

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Robinson St GPS ID: 124
 Project Name: Intersection of Robinson St and Anderson St
 City: Carson City

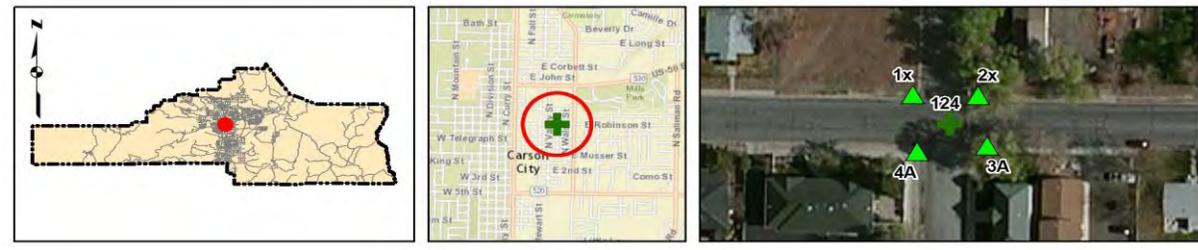
| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 464 | SF | \$ 6.00 | \$ 2,784.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 232 | SF | \$ 2.00 | \$ 464.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 338 | LF | \$ 6.00 | \$ 2,028.00 |
| --- | REPAVE ROADWAY | 4 | LS | \$ 5,000.00 | \$ 20,000.00 |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 34,316.00 |
| Engineering: (% +/-) | 15% | \$ 5,438.00 |
| Contingency: (% +/-) | 20% | \$ 7,248.00 |
| Estimated Project Cost: | \$ | 47,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Dangerous | Poor | Poor | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | N/A | | N/A | |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | | N/A | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | None | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1z | 2z | 3A | 4A | |
| Curb ramp does not exist and is needed | X | X | | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | X | X | | |
| Curb ramp running slope is greater than 8.33% | | X | X | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | X | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | X | X | | |
| No color contrast at base of curb ramp | | X | X | | Install landing area |
| Landing area does not exist and is needed | | X | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | X | | Remove and replace landing area |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | X | X | | Fix curb ramp counter slope |
| Ponding occurs at base of curb ramp | | X | X | | Fix ponding |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 4
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Robinson St GPS ID: 125
 Project Name: Intersection of Robinson St and Drew Way
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 364 | SF | \$ 6.00 | \$ 2,184.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 0 | SF | \$ 2.00 | \$ - |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 312 | LF | \$ 6.00 | \$ 1,872.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection
 No Design Completed
 Preliminary Design
 Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 20,096.00 |
| Engineering: (% +/-) | 15% | \$ 3,387.43 |
| Contingency: (% +/-) | 20% | \$ 4,516.57 |
| Estimated Project Cost: | \$ | 28,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|-----|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | N/A | Poor | Repare roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | X | N/A | N/A | N/A | Remove and replace crosswalk pavement markings |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | | N/A | | |
| Crosswalk width is less than 6' | | | N/A | | |
| Crosswalk striping condition | Worn | Worn | N/A | Worn | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|-------------------|
| | 1z | 2z | 3z | 4z | |
| Curb ramp does not exist and is needed | X | X | X | X | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | | | |
| No color contrast at base of curb ramp | | | | | |
| Landing area does not exist and is needed | | | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 3
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Robinson St GPS ID: 126
 Project Name: Intersection of Robinson St and Mesquite Pl
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 364 | SF | \$ 6.00 | \$ 2,184.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 0 | SF | \$ 2.00 | \$ - |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 258 | LF | \$ 6.00 | \$ 1,548.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 19,772.00 |
| Engineering: (% +/-) | 15% | \$ 3,097.71 |
| Contingency: (% +/-) | 20% | \$ 4,130.29 |
| Estimated Project Cost: | \$ | 27,000.00 |

Project Location

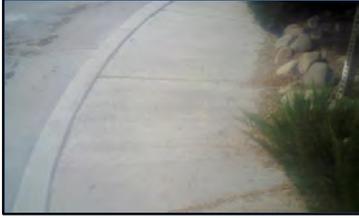


Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|-----|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | N/A | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | X | N/A | N/A | N/A | Install crosswalk pavement markings |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | N/A | N/A | N/A | |
| Crosswalk width is less than 6' | | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | Good | None | N/A | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|-------------------|
| | 1z | 2z | 3z | 4z | |
| Curb ramp does not exist and is needed | X | X | X | X | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | | | |
| No color contrast at base of curb ramp | | | | | |
| Landing area does not exist and is needed | | | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



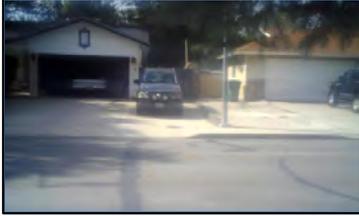
Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 4
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Robinson St GPS ID: 127
 Project Name: Intersection of Robinson St and Carson Meadows Dr
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 364 | SF | \$ 6.00 | \$ 2,184.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 0 | SF | \$ 2.00 | \$ - |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 356 | LF | \$ 6.00 | \$ 2,136.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 20,360.00 |
| Engineering: (% +/-) | 15% | \$ 3,274.29 |
| Contingency: (% +/-) | 20% | \$ 4,365.71 |
| Estimated Project Cost: | \$ | 28,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | N/A | Poor | Poor | Poor | Repare roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | N/A | | N/A | |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | | N/A | | |
| Crosswalk width is less than 6' | N/A | | | | Remove and replace crosswalk pavement markings |
| Crosswalk striping condition | N/A | Worn | Worn | Good | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|-------------------|
| | 1z | 2z | 3z | 4z | |
| Curb ramp does not exist and is needed | X | X | X | X | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | | | |
| No color contrast at base of curb ramp | | | | | |
| Landing area does not exist and is needed | | | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Robinson St GPS ID: 128
 Project Name: Intersection of Robinson St and Curry St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 555 | SF | \$ 6.00 | \$ 3,330.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 50 | SF | \$ 26.00 | \$ 1,300.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 319 | SF | \$ 2.00 | \$ 638.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 342 | LF | \$ 6.00 | \$ 2,052.00 |
| --- | REPAVE ROADWAY | 4 | LS | \$ 5,000.00 | \$ 20,000.00 |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 3 | LS | \$ 2,000.00 | \$ 6,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 37,320.00 |
| Engineering: (% +/-) | 15% | \$ 5,862.86 |
| Contingency: (% +/-) | 20% | \$ 7,817.14 |
| Estimated Project Cost: | \$ | 51,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | N/A | | N/A | |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | | N/A | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | Good | Good | Good | Good | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2z | 3A | 4A | |
| Curb ramp does not exist and is needed | | X | | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | X | X | | |
| Curb ramp running slope is greater than 8.33% | X | X | X | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | X | | X | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | X | X | X | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | X | X | | Remove and replace landing area |
| No color contrast at base of curb ramp | X | X | X | | |
| Landing area does not exist and is needed | | | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | X | | Fix curb ramp counter slope |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | X | X | | |
| Ponding occurs at base of curb ramp | X | X | | | Fix ponding |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Robinson St GPS ID: 129
 Project Name: Intersection of Robinson St and Fall St
 City: Carson City

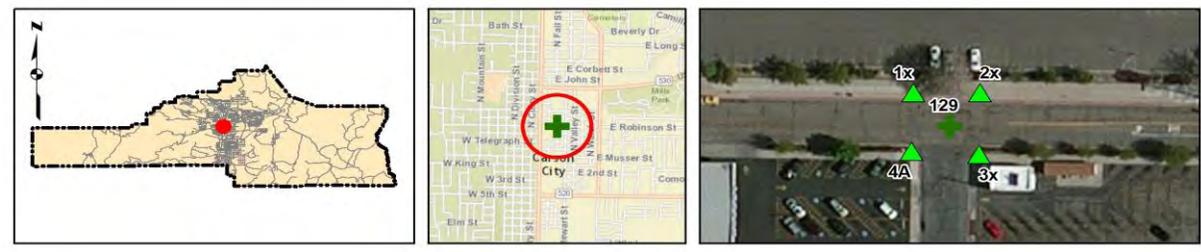
| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 418 | SF | \$ 6.00 | \$ 2,508.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 145 | SF | \$ 2.00 | \$ 290.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 286 | LF | \$ 6.00 | \$ 1,716.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 24,554.00 |
| Engineering: (% +/-) | 15% | \$ 4,048.29 |
| Contingency: (% +/-) | 20% | \$ 5,397.71 |
| Estimated Project Cost: | \$ | 34,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|-----------|------|-----------|--|
| | N | E | S | W | |
| Path of travel pavement condition | N/A | Dangerous | Poor | Dangerous | Repare roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | N/A | | N/A | Install crosswalk pavement markings |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | | N/A | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | N/A | None | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1z | 2z | 3z | 4A | |
| Curb ramp does not exist and is needed | X | X | X | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | X | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | | X | Remove and replace landing area |
| No color contrast at base of curb ramp | | | | X | |
| Landing area does not exist and is needed | | | | | Fix curb ramp transition |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | X | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | X | Fix ponding |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | | | | X | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 3
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Robinson St GPS ID: 130
 Project Name: Intersection of Robinson St and Harbin Ave
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 364 | SF | \$ 6.00 | \$ 2,184.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 0 | SF | \$ 2.00 | \$ - |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 232 | LF | \$ 6.00 | \$ 1,392.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 19,616.00 |
| Engineering: (% +/-) | 15% | \$ 3,164.57 |
| Contingency: (% +/-) | 20% | \$ 4,219.43 |
| Estimated Project Cost: | \$ | 27,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | N/A | Poor | Poor | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | N/A | | N/A | |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | | N/A | | |
| Crosswalk width is less than 6' | N/A | | | N/A | |
| Crosswalk striping condition | N/A | Worn | Worn | None | Remove and replace crosswalk pavement markings |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|-------------------|
| | 1z | 2z | 3z | 4z | |
| Curb ramp does not exist and is needed | X | X | X | X | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | | | |
| No color contrast at base of curb ramp | | | | | |
| Landing area does not exist and is needed | | | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 9
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Robinson St GPS ID: 131
 Project Name: Intersection of Robinson St and Nevada St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 332 | SF | \$ 6.00 | \$ 1,992.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 284 | SF | \$ 2.00 | \$ 568.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 284 | LF | \$ 6.00 | \$ 1,704.00 |
| --- | REPAVE ROADWAY | 4 | LS | \$ 5,000.00 | \$ 20,000.00 |
| --- | FIX PONDING | 8 | LS | \$ 2,000.00 | \$ 16,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 4 | LS | \$ 2,000.00 | \$ 8,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 48,784.00 |
| Engineering: (% +/-) | 15% | \$ 7,378.29 |
| Contingency: (% +/-) | 20% | \$ 9,837.71 |
| Estimated Project Cost: | \$ | 66,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | Poor | Repare roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | N/A | | N/A | |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | | N/A | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | None | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | | | | | Recommendations |
|---|--|----|----|----|----|----|----|----|---------------------------------|
| | 1A | 1B | 2A | 2B | 3A | 3B | 4A | 4B | |
| Curb ramp does not exist and is needed | | | | | | | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | | | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | | | | | |
| Flare cross slope is greater than 10% | | | | | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | | | | | |
| Blended transition running slope is greater than 5% | | | | | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | | | | | |
| Curb ramp cross slope is greater than 2% | | | X | | | | X | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | | | | | |
| Curb ramp width is less than 48" | | | | | | | | | Remove and replace landing area |
| Cut-thru ramp width is less than 60" | | | | | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | | | | | Fix curb ramp counter slope |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | | | | | |
| No textured surface at base of curb ramp | | | | | | | | | Fix ponding |
| No color contrast at base of curb ramp | | | | | | | | | |
| Landing area does not exist and is needed | | | | | | | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | X | X | X | X | X | X | X | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | | | | X | X | | X | |
| Ponding occurs at base of curb ramp | X | X | X | X | X | X | X | X | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Ramp 1B



Ramp 2A



Ramp 2B



Ramp 3A



Ramp 3B



Ramp 4A



Ramp 4B

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Robinson St GPS ID: 132
 Project Name: Intersection of Robinson St and Plaza St
 City: Carson City

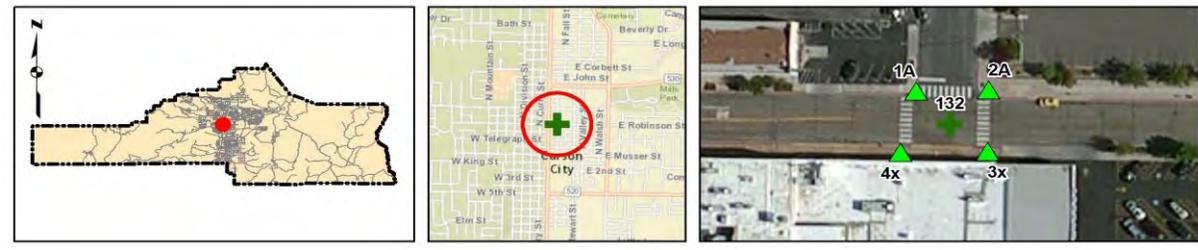
| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 298 | SF | \$ 6.00 | \$ 1,788.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 30 | SF | \$ 26.00 | \$ 780.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 10 | SF | \$ 60.00 | \$ 600.00 |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 91 | SF | \$ 2.00 | \$ 182.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 262 | LF | \$ 6.00 | \$ 1,572.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 25,922.00 |
| Engineering: (% +/-) | 15% | \$ 3,890.57 |
| Contingency: (% +/-) | 20% | \$ 5,187.43 |
| Estimated Project Cost: | \$ | 35,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|-----|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | N/A | Poor | Repare roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | N/A | N/A | N/A | Remove and replace crosswalk pavement markings |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | | N/A | | |
| Crosswalk width is less than 6' | | | N/A | | Remove and replace crosswalk pavement markings |
| Crosswalk striping condition | Worn | Worn | N/A | Worn | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2A | 3z | 4z | |
| Curb ramp does not exist and is needed | | | X | X | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | | | | |
| Curb ramp running slope is greater than 8.33% | X | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | X | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | | | | For intersection ramps and commercial driveway ramps, install color truncated domes |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | X | | | | |
| No textured surface at base of curb ramp | X | X | | | |
| No color contrast at base of curb ramp | X | X | | | |
| Landing area does not exist and is needed | X | | | | Install landing area |
| Landing area is less than 5' x 5' or slopes greater than 2% | | X | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | Remove and replace landing area |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | X | | | |
| Ponding occurs at base of curb ramp | | X | | | Fix curb ramp counter slope |
| | | | | | Fix ponding |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Ramp 2A



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Robinson St GPS ID: 133
 Project Name: Intersection of Robinson St and Pratt Ave (West)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 232 | SF | \$ 6.00 | \$ 1,392.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 20 | SF | \$ 60.00 | \$ 1,200.00 |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 35 | SF | \$ 2.00 | \$ 70.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 244 | LF | \$ 6.00 | \$ 1,464.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 19,646.00 |
| Engineering: (% +/-) | 15% | \$ 3,151.71 |
| Contingency: (% +/-) | 20% | \$ 4,202.29 |
| Estimated Project Cost: | \$ | 27,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | N/A | Poor | Poor | Poor | Repare roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | N/A | X | N/A | Remove and replace crosswalk pavement markings |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | N/A | N/A | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Remove and replace crosswalk pavement markings |
| Crosswalk striping condition | N/A | None | Worn | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1z | 2z | 3A | 4A | |
| Curb ramp does not exist and is needed | X | X | | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | Remove and replace landing area |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | X | X | | Remove and replace landing area |
| No color contrast at base of curb ramp | | X | X | | |
| Landing area does not exist and is needed | | | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | X | X | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Robinson St GPS ID: 134
 Project Name: Intersection of Robinson St and Pratt Ave (East)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 364 | SF | \$ 6.00 | \$ 2,184.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 82 | SF | \$ 2.00 | \$ 164.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 228 | LF | \$ 6.00 | \$ 1,368.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 21,756.00 |
| Engineering: (% +/-) | 15% | \$ 3,533.14 |
| Contingency: (% +/-) | 20% | \$ 4,710.86 |
| Estimated Project Cost: | \$ | 30,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|-----|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | N/A | Poor | Repare roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | N/A | N/A | N/A | |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | | N/A | N/A | |
| Crosswalk width is less than 6' | | N/A | N/A | N/A | Remove and replace crosswalk pavement markings |
| Crosswalk striping condition | Worn | None | N/A | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---------------------------------|
| | 1z | 2A | 3z | 4z | |
| Curb ramp does not exist and is needed | X | | X | X | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | | | | Remove and replace landing area |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | | | |
| No color contrast at base of curb ramp | | | | | |
| Landing area does not exist and is needed | | | | | Remove and replace landing area |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | Fix ponding |
| Ponding occurs at base of curb ramp | X | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Corner 1 No Ramp (1z)



Ramp 2A



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 3
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Robinson St GPS ID: 136
 Project Name: Intersection of Robinson St and Valley St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 364 | SF | \$ 6.00 | \$ 2,184.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 0 | SF | \$ 2.00 | \$ - |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 324 | LF | \$ 6.00 | \$ 1,944.00 |
| --- | REPAVE ROADWAY | 4 | LS | \$ 5,000.00 | \$ 20,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 25,168.00 |
| Engineering: (% +/-) | 15% | \$ 3,785.14 |
| Contingency: (% +/-) | 20% | \$ 5,046.86 |
| Estimated Project Cost: | \$ | 34,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | N/A | | N/A | |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | | N/A | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | None | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|-------------------|
| | 1z | 2z | 3z | 4z | |
| Curb ramp does not exist and is needed | X | X | X | X | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | | | |
| No color contrast at base of curb ramp | | | | | |
| Landing area does not exist and is needed | | | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Robinson St GPS ID: 137
 Project Name: Intersection of Robinson St and Walsh St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 364 | SF | \$ 6.00 | \$ 2,184.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 66 | SF | \$ 2.00 | \$ 132.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 332 | LF | \$ 6.00 | \$ 1,992.00 |
| --- | REPAVE ROADWAY | 4 | LS | \$ 5,000.00 | \$ 20,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 25,348.00 |
| Engineering: (% +/-) | 15% | \$ 4,136.57 |
| Contingency: (% +/-) | 20% | \$ 5,515.43 |
| Estimated Project Cost: | \$ | 35,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | Poor | Repare roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | N/A | | N/A | |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | | N/A | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | None | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1z | 2z | 3A | 4z | |
| Curb ramp does not exist and is needed | X | X | | X | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | X | | |
| Curb ramp running slope is greater than 8.33% | | | X | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | X | | |
| No color contrast at base of curb ramp | | | X | | |
| Landing area does not exist and is needed | | | X | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Ramp 3A



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Musser St GPS ID: 138
 Project Name: Intersection of Musser St and Anderson St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 298 | SF | \$ 6.00 | \$ 1,788.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 30 | SF | \$ 26.00 | \$ 780.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 89 | SF | \$ 2.00 | \$ 178.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 234 | LF | \$ 6.00 | \$ 1,404.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 27,150.00 |
| Engineering: (% +/-) | 15% | \$ 4,221.43 |
| Contingency: (% +/-) | 20% | \$ 5,628.57 |
| Estimated Project Cost: | \$ | 37,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|-----|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | N/A | Poor | Repare roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | N/A | N/A | N/A | |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | | N/A | | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | None | N/A | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2A | 3z | 4z | |
| Curb ramp does not exist and is needed | | | X | X | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | | | | |
| Curb ramp running slope is greater than 8.33% | X | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | X | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | | | | For intersection ramps and commercial driveway ramps, install color truncated domes |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | | | | |
| No color contrast at base of curb ramp | X | | | | Install landing area |
| Landing area does not exist and is needed | X | | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | | | | Remove and replace landing area |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | X | | | Fix curb ramp counter slope |
| Ponding occurs at base of curb ramp | X | X | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Ramp 2A



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 6
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Musser St GPS ID: 139
 Project Name: Intersection of Musser St and Hackamore Way
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 364 | SF | \$ 6.00 | \$ 2,184.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 0 | SF | \$ 2.00 | \$ - |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 348 | LF | \$ 6.00 | \$ 2,088.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 20,312.00 |
| Engineering: (% +/-) | 15% | \$ 3,294.86 |
| Contingency: (% +/-) | 20% | \$ 4,393.14 |
| Estimated Project Cost: | \$ | 28,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|-----|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | N/A | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | N/A | N/A | N/A | |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | N/A | N/A | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | None | N/A | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|-------------------|
| | 1z | 2z | 3z | 4z | |
| Curb ramp does not exist and is needed | X | X | X | X | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | | | |
| No color contrast at base of curb ramp | | | | | |
| Landing area does not exist and is needed | | | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 4
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Musser St GPS ID: 140
 Project Name: Intersection of Musser St and Carson Meadows Dr
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 364 | SF | \$ 6.00 | \$ 2,184.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 0 | SF | \$ 2.00 | \$ - |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 426 | LF | \$ 6.00 | \$ 2,556.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection
 No Design Completed
 Preliminary Design
 Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 20,780.00 |
| Engineering: (% +/-) | 15% | \$ 3,522.86 |
| Contingency: (% +/-) | 20% | \$ 4,697.14 |
| Estimated Project Cost: | \$ | 29,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|-----|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | N/A | Poor | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | N/A | | N/A | |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | N/A | N/A | | |
| Crosswalk width is less than 6' | | N/A | | | Remove and replace crosswalk pavement markings |
| Crosswalk striping condition | Worn | N/A | Worn | Worn | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|-------------------|
| | 1z | 2z | 3z | 4z | |
| Curb ramp does not exist and is needed | X | X | X | X | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | | | |
| No color contrast at base of curb ramp | | | | | |
| Landing area does not exist and is needed | | | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 5
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Musser St GPS ID: 141
 Project Name: Intersection of Musser St and Curry St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 207 | SF | \$ 6.00 | \$ 1,242.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 20 | SF | \$ 60.00 | \$ 1,200.00 |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 201 | SF | \$ 2.00 | \$ 402.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 378 | LF | \$ 6.00 | \$ 2,268.00 |
| --- | REPAVE ROADWAY | 4 | LS | \$ 5,000.00 | \$ 20,000.00 |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 33,632.00 |
| Engineering: (% +/-) | 15% | \$ 5,300.57 |
| Contingency: (% +/-) | 20% | \$ 7,067.43 |
| Estimated Project Cost: | \$ | 46,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | Poor | Repare roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | X | N/A | | N/A | |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | | N/A | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | Good | Good | Good | Good | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2A | 3A | 4A | |
| Curb ramp does not exist and is needed | | | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | X | X | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | X | Remove and replace landing area |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | X | | | Fix curb ramp counter slope |
| No color contrast at base of curb ramp | X | X | | | |
| Landing area does not exist and is needed | | | | | Fix ponding |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | X | X | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | X | X | |
| Ponding occurs at base of curb ramp | | X | | X | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Musser St GPS ID: 142
 Project Name: Intersection of Musser St and Fall St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 364 | SF | \$ 6.00 | \$ 2,184.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 173 | SF | \$ 2.00 | \$ 346.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 210 | LF | \$ 6.00 | \$ 1,260.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 19,830.00 |
| Engineering: (% +/-) | 15% | \$ 3,072.86 |
| Contingency: (% +/-) | 20% | \$ 4,097.14 |
| Estimated Project Cost: | \$ | 27,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | N/A | Poor | Poor | Poor | Repare roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | N/A | X | N/A | Install crosswalk pavement markings |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | N/A | N/A | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | |
| Crosswalk striping condition | N/A | None | None | Good | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1z | 2z | 3A | 4A | |
| Curb ramp does not exist and is needed | X | X | | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | X | X | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | X | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | X | X | | |
| No color contrast at base of curb ramp | | X | X | | |
| Landing area does not exist and is needed | | | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | | | | | |

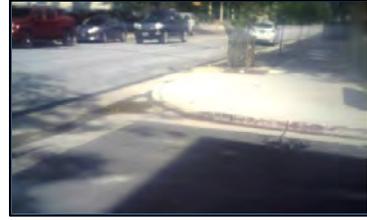
Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Musser St GPS ID: 143
 Project Name: Intersection of Musser St and Harbin Ave
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 216 | SF | \$ 6.00 | \$ 1,296.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 10 | SF | \$ 26.00 | \$ 260.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 199 | SF | \$ 2.00 | \$ 398.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 332 | LF | \$ 6.00 | \$ 1,992.00 |
| --- | REPAVE ROADWAY | 4 | LS | \$ 5,000.00 | \$ 20,000.00 |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 6 | LS | \$ 2,000.00 | \$ 12,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 39,946.00 |
| Engineering: (% +/-) | 15% | \$ 6,023.14 |
| Contingency: (% +/-) | 20% | \$ 8,030.86 |
| Estimated Project Cost: | \$ | 54,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | N/A | | N/A | |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | | N/A | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | None | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | | | Recommendations |
|---|--|----|----|----|----|----|---------------------------------|
| | 1A | 2A | 3A | 3B | 4A | 4B | |
| Curb ramp does not exist and is needed | | | | | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | | | |
| Flare cross slope is greater than 10% | | | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | | | |
| Blended transition running slope is greater than 5% | | | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | | | |
| Curb ramp width is less than 48" | | | | | | | |
| Cut-thru ramp width is less than 60" | | | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | | | | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | | | |
| No textured surface at base of curb ramp | | | | | | | |
| No color contrast at base of curb ramp | | | | | | | |
| Landing area does not exist and is needed | | | | | | | Remove and replace landing area |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | X | | X | X | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | | | Fix curb ramp counter slope |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | X | X | X | X | X | |
| Ponding occurs at base of curb ramp | X | X | | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 3B



Ramp 4A



Ramp 4B

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Musser St GPS ID: 144
 Project Name: Intersection of Musser St and Nevada St
 City: Carson City

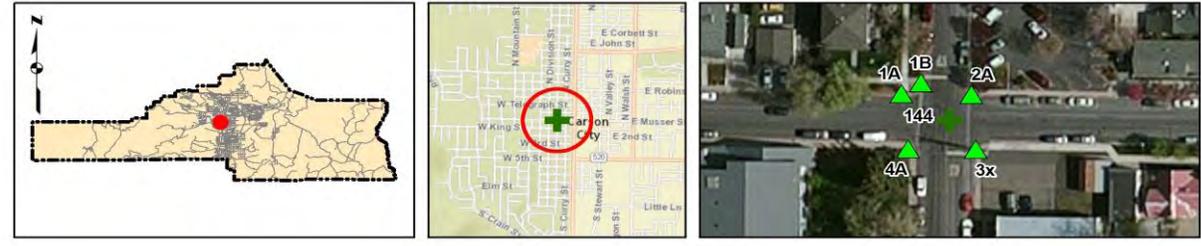
| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 605 | SF | \$ 6.00 | \$ 3,630.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 50 | SF | \$ 26.00 | \$ 1,300.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 440 | SF | \$ 2.00 | \$ 880.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 336 | LF | \$ 6.00 | \$ 2,016.00 |
| --- | REPAVE ROADWAY | 4 | LS | \$ 5,000.00 | \$ 20,000.00 |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 3 | LS | \$ 2,000.00 | \$ 6,000.00 |

Basis for Cost Projection

| | |
|---|--|
| <input checked="" type="checkbox"/> No Design Completed | |
| <input type="checkbox"/> Preliminary Design | |
| <input type="checkbox"/> Final Design | |

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 39,826.00 |
| Engineering: (% +/-) | 15% | \$ 6,074.57 |
| Contingency: (% +/-) | 20% | \$ 8,099.43 |
| Estimated Project Cost: | \$ | 54,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | N/A | | N/A | |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | | N/A | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | None | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | | Recommendations |
|---|--|----|----|----|----|---|
| | 1A | 1B | 2A | 3z | 4A | |
| Curb ramp does not exist and is needed | | | | | X | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | | |
| Flare cross slope is greater than 10% | X | X | X | | X | Remove and replace curb ramp |
| Curb ramp running slope is greater than 8.33% | | X | X | | X | |
| Blended transition running slope is greater than 5% | | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | | |
| Curb ramp cross slope is greater than 2% | | | X | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | | |
| Curb ramp width is less than 48" | | X | | | X | |
| Cut-thru ramp width is less than 60" | | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | X | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | | |
| No textured surface at base of curb ramp | | X | X | | X | For intersection ramps and commercial driveway ramps, install color truncated domes |
| No color contrast at base of curb ramp | | X | X | | X | |
| Landing area does not exist and is needed | | | X | | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | X | | | | Remove and replace landing area |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | X | Fix curb ramp transition |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | X | X | | | Fix curb ramp counter slope |
| Ponding occurs at base of curb ramp | | X | | | X | Fix ponding |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Ramp 1B



Ramp 2A



Corner 3 No Ramp (3z)



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Musser St GPS ID: 145
 Project Name: Intersection of Musser St and Plaza St
 City: Carson City

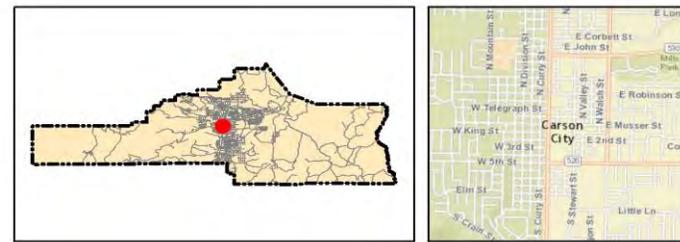
| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 496 | SF | \$ 6.00 | \$ 2,976.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 377 | SF | \$ 2.00 | \$ 754.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 288 | LF | \$ 6.00 | \$ 1,728.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 3 | LS | \$ 2,000.00 | \$ 6,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 29,498.00 |
| Engineering: (% +/-) | 15% | \$ 4,500.86 |
| Contingency: (% +/-) | 20% | \$ 6,001.14 |
| Estimated Project Cost: | \$ | 40,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|-----|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | N/A | Poor | Repare roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | X | N/A | N/A | N/A | Remove and replace crosswalk pavement markings |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | | N/A | N/A | |
| Crosswalk width is less than 6' | N/A | | N/A | N/A | |
| Crosswalk striping condition | None | Worn | N/A | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2A | 3A | 4z | |
| Curb ramp does not exist and is needed | | | | X | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | X | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | X | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | X | X | | For intersection ramps and commercial driveway ramps, install color truncated domes |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | X | | | |
| No color contrast at base of curb ramp | | X | | | |
| Landing area does not exist and is needed | | | X | | Install landing area |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | | X | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | Remove and replace landing area |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | X | |
| Ponding occurs at base of curb ramp | X | X | X | | Fix curb ramp counter slope |
| | | | | | Fix ponding |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Ramp 2A



Ramp 3A



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 3
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Musser St GPS ID: 146
 Project Name: Intersection of Musser St and Pratt Ave
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 364 | SF | \$ 6.00 | \$ 2,184.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 0 | SF | \$ 2.00 | \$ - |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 76 | LF | \$ 6.00 | \$ 456.00 |
| --- | REPAVE ROADWAY | 1 | LS | \$ 5,000.00 | \$ 5,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 8,680.00 |
| Engineering: (% +/-) | 15% | \$ 1,422.86 |
| Contingency: (% +/-) | 20% | \$ 1,897.14 |
| Estimated Project Cost: | \$ | 12,000.00 |

Project Location



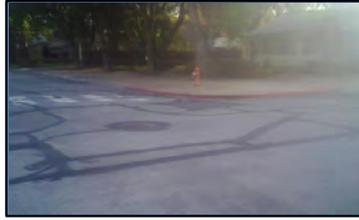
Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|-----|-----|-----|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | N/A | N/A | N/A | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | N/A | N/A | N/A | |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | N/A | N/A | N/A | |
| Crosswalk width is less than 6' | | N/A | N/A | N/A | |
| Crosswalk striping condition | Good | N/A | N/A | N/A | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|-------------------|
| | 1z | 2z | 3z | 4z | |
| Curb ramp does not exist and is needed | X | X | X | X | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | | | |
| No color contrast at base of curb ramp | | | | | |
| Landing area does not exist and is needed | | | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | | | | | |



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 09277500 Checked By: SRA

Corridor: Musser St GPS ID: 147
 Project Name: Intersection of Musser St and Roop St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 257 | SF | \$ 6.00 | \$ 1,542.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 20 | SF | \$ 60.00 | \$ 1,200.00 |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 141 | SF | \$ 2.00 | \$ 282.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 418 | LF | \$ 6.00 | \$ 2,508.00 |
| --- | REPAVE ROADWAY | 4 | LS | \$ 5,000.00 | \$ 20,000.00 |
| --- | FIX PONDING | 3 | LS | \$ 2,000.00 | \$ 6,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 3 | LS | \$ 2,000.00 | \$ 6,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 38,052.00 |
| Engineering: (% +/-) | 15% | \$ 5,977.71 |
| Contingency: (% +/-) | 20% | \$ 7,970.29 |
| Estimated Project Cost: | \$ | 52,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | N/A | | N/A | |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | | N/A | | |
| Crosswalk width is less than 6' | N/A | | | | |
| Crosswalk striping condition | None | Good | Good | Good | Install crosswalk pavement markings |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2z | 3A | 4A | |
| Curb ramp does not exist and is needed | | X | | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | | | | |
| Curb ramp running slope is greater than 8.33% | X | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | | | | For intersection ramps and commercial driveway ramps, install color truncated domes |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | X | X | | |
| No color contrast at base of curb ramp | | | X | X | Install landing area |
| Landing area does not exist and is needed | | | X | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | X | | Remove and replace landing area |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | Fix curb ramp counter slope |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | X | X | | |
| Ponding occurs at base of curb ramp | X | | X | X | Fix ponding |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Musser St GPS ID: 149
 Project Name: Intersection of Musser St and Valley St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 398 | SF | \$ 6.00 | \$ 2,388.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 30 | SF | \$ 26.00 | \$ 780.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 342 | SF | \$ 2.00 | \$ 684.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 332 | LF | \$ 6.00 | \$ 1,992.00 |
| --- | REPAVE ROADWAY | 4 | LS | \$ 5,000.00 | \$ 20,000.00 |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 3 | LS | \$ 2,000.00 | \$ 6,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 37,844.00 |
| Engineering: (% +/-) | 15% | \$ 6,066.86 |
| Contingency: (% +/-) | 20% | \$ 8,089.14 |
| Estimated Project Cost: | \$ | 52,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | N/A | | N/A | |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | | N/A | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | None | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|--|
| | 1A | 2A | 3A | 4A | |
| Curb ramp does not exist and is needed | | | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | | | | |
| Curb ramp running slope is greater than 8.33% | X | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | X | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area Remove and replace landing area Fix curb ramp transition Fix curb ramp counter slope Fix ponding |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | X | X | | |
| No color contrast at base of curb ramp | X | X | X | | |
| Landing area does not exist and is needed | X | | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | X | X | X | |
| Curb ramp transition onto roadway is greater than 0.25" | X | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | X | X | | |
| Ponding occurs at base of curb ramp | X | | | X | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 3
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Musser St GPS ID: 150
 Project Name: Intersection of Musser St and Walsh St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 364 | SF | \$ 6.00 | \$ 2,184.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 0 | SF | \$ 2.00 | \$ - |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 70 | LF | \$ 6.00 | \$ 420.00 |
| --- | REPAVE ROADWAY | 1 | LS | \$ 5,000.00 | \$ 5,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 8,644.00 |
| Engineering: (% +/-) | 15% | \$ 1,438.29 |
| Contingency: (% +/-) | 20% | \$ 1,917.71 |
| Estimated Project Cost: | \$ | 12,000.00 |

Project Location



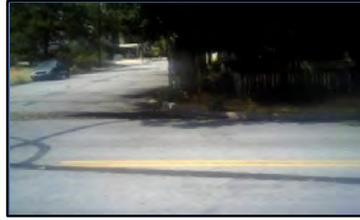
Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|-----|-----|-----|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | N/A | N/A | N/A | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | N/A | N/A | N/A | |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | N/A | N/A | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | N/A | N/A | N/A | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|-------------------|
| | 1z | 2z | 3z | 4z | |
| Curb ramp does not exist and is needed | X | X | X | X | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | | | |
| No color contrast at base of curb ramp | | | | | |
| Landing area does not exist and is needed | | | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | | | | | |



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Stewart Ave GPS ID: 151
 Project Name: Intersection of Stewart Ave and 2nd St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 430 | SF | \$ 6.00 | \$ 2,580.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 50 | SF | \$ 26.00 | \$ 1,300.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 182 | SF | \$ 2.00 | \$ 364.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 262 | LF | \$ 6.00 | \$ 1,572.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

No Design Completed
 Preliminary Design
 Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 22,816.00 |
| Engineering: (% +/-) | 15% | \$ 3,507.43 |
| Contingency: (% +/-) | 20% | \$ 4,676.57 |
| Estimated Project Cost: | \$ | 31,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|-----|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | N/A | Repare roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | | N/A | N/A | Install crosswalk pavement markings |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | | N/A | |
| Crosswalk width is less than 6' | | N/A | | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | Good | None | None | N/A | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---------------------------------|
| | 1z | 2A | 3A | 4z | |
| Curb ramp does not exist and is needed | X | | | X | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | X | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | X | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | X | | | Remove and replace landing area |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | | | |
| No color contrast at base of curb ramp | | | | | |
| Landing area does not exist and is needed | | | | | Remove and replace landing area |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | X | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | Fix ponding |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | X | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Corner 1 No Ramp (1z)



Ramp 2A



Ramp 3A



Corner 4 No Ramp (4z)

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Stewart Ave GPS ID: 152
 Project Name: Intersection of Stewart Ave and 3rd St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 606 | SF | \$ 6.00 | \$ 3,636.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 50 | SF | \$ 26.00 | \$ 1,300.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 434 | SF | \$ 2.00 | \$ 868.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 266 | LF | \$ 6.00 | \$ 1,596.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 3 | LS | \$ 2,000.00 | \$ 6,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 32,400.00 |
| Engineering: (% +/-) | 15% | \$ 4,971.43 |
| Contingency: (% +/-) | 20% | \$ 6,628.57 |
| Estimated Project Cost: | \$ | 44,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|-----|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | N/A | Repare roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | X | N/A | N/A | Install crosswalk pavement markings |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | None | Good | N/A | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1z | 2A | 3A | 4A | |
| Curb ramp does not exist and is needed | X | | | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | X | X | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | X | |
| Curb ramp running slope is greater than 8.33% | X | X | X | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | X | X | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | X | X | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | X | X | | For intersection ramps and commercial driveway ramps, install color truncated domes |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | X | X | X | | |
| No textured surface at base of curb ramp | X | X | X | | Remove and replace landing area |
| No color contrast at base of curb ramp | X | X | X | | |
| Landing area does not exist and is needed | | | | | Fix curb ramp counter slope |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | X | X | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | Fix ponding |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | X | | | |
| Ponding occurs at base of curb ramp | X | X | X | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Corner 1 No Ramp (1z)



Ramp 2A



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Stewart Ave GPS ID: 153
 Project Name: Intersection of Stewart Ave and 4th St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 182 | SF | \$ 6.00 | \$ 1,092.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 132 | SF | \$ 2.00 | \$ 264.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-----------------|
| Subtotal: | \$ | 1,876.00 |
| Engineering: (% +/-) | 15% | \$ 481.71 |
| Contingency: (% +/-) | 20% | \$ 642.29 |
| Estimated Project Cost: | \$ | 3,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|---|
| | 1A | 4A | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | | | |
| Curb ramp running slope is greater than 8.33% | X | | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | X | X | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | |
| No textured surface at base of curb ramp | X | X | |
| No color contrast at base of curb ramp | X | X | |
| Landing area does not exist and is needed | X | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | |
| Ponding occurs at base of curb ramp | | | |



Ramp 1A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Stewart Ave GPS ID: 154
 Project Name: Intersection of Stewart Ave and Caroline St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 504 | SF | \$ 6.00 | \$ 3,024.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 289 | SF | \$ 2.00 | \$ 578.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 344 | LF | \$ 6.00 | \$ 2,064.00 |
| --- | REPAVE ROADWAY | 4 | LS | \$ 5,000.00 | \$ 20,000.00 |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 30,706.00 |
| Engineering: (% +/-) | 15% | \$ 4,840.29 |
| Contingency: (% +/-) | 20% | \$ 6,453.71 |
| Estimated Project Cost: | \$ | 42,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | Poor | Repare roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | | N/A | X | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | None | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---------------------------------|
| | 1z | 2A | 3A | 4z | |
| Curb ramp does not exist and is needed | X | | | X | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | X | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | X | | | Install landing area |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | | | |
| No color contrast at base of curb ramp | | | | | Remove and replace landing area |
| Landing area does not exist and is needed | | | X | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | Fix curb ramp counter slope |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | | | | |
| Ponding occurs at base of curb ramp | X | | | | Fix ponding |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Corner 1 No Ramp (1z)



Ramp 2A



Ramp 3A



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Stewart Ave GPS ID: 155
 Project Name: Intersection of Stewart Ave and King St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 298 | SF | \$ 6.00 | \$ 1,788.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 30 | SF | \$ 26.00 | \$ 780.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 267 | SF | \$ 2.00 | \$ 534.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 209 | LF | \$ 6.00 | \$ 1,254.00 |
| --- | REPAVE ROADWAY | 2 | LS | \$ 5,000.00 | \$ 10,000.00 |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 20,356.00 |
| Engineering: (% +/-) | 15% | \$ 3,276.00 |
| Contingency: (% +/-) | 20% | \$ 4,368.00 |
| Estimated Project Cost: | \$ | 28,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|-----------|-----|-----|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Dangerous | N/A | N/A | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | X | N/A | N/A | Install crosswalk pavement markings |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | N/A | N/A | |
| Crosswalk width is less than 6' | | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | Good | None | N/A | N/A | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2A | 3A | 4z | |
| Curb ramp does not exist and is needed | | | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | X | X | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | Install landing area Remove and replace landing area |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | X | X | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | | | |
| No color contrast at base of curb ramp | | | | | |
| Landing area does not exist and is needed | | | X | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | X | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | | X | | |
| Ponding occurs at base of curb ramp | X | | | | Fix curbing counter slope Fix ponding |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Ramp 2A



Ramp 3A



Corner 4 No Ramp (4z)

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 5
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Stewart Ave GPS ID: 156
 Project Name: Intersection of Stewart Ave and Proctor St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 469 | SF | \$ 6.00 | \$ 2,814.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 359 | SF | \$ 2.00 | \$ 718.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 376 | LF | \$ 6.00 | \$ 2,256.00 |
| --- | REPAVE ROADWAY | 4 | LS | \$ 5,000.00 | \$ 20,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 26,828.00 |
| Engineering: (% +/-) | 15% | \$ 4,359.43 |
| Contingency: (% +/-) | 20% | \$ 5,812.57 |
| Estimated Project Cost: | \$ | 37,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | X | N/A | X | Install crosswalk pavement markings |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | | N/A | |
| Crosswalk width is less than 6' | | N/A | N/A | N/A | |
| Crosswalk striping condition | Good | None | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2A | 3A | 4A | |
| Curb ramp does not exist and is needed | | | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | X | | | |
| Curb ramp running slope is greater than 8.33% | X | X | | X | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | X | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | X | X | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | | | X | |
| No color contrast at base of curb ramp | X | X | | X | |
| Landing area does not exist and is needed | X | X | X | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 5
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Stewart Ave GPS ID: 157
 Project Name: Intersection of Stewart Ave and Spear St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 478 | SF | \$ 6.00 | \$ 2,868.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 428 | SF | \$ 2.00 | \$ 856.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 374 | LF | \$ 6.00 | \$ 2,244.00 |
| --- | REPAVE ROADWAY | 4 | LS | \$ 5,000.00 | \$ 20,000.00 |
| --- | FIX PONDING | 3 | LS | \$ 2,000.00 | \$ 6,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 3 | LS | \$ 2,000.00 | \$ 6,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 39,008.00 |
| Engineering: (% +/-) | 15% | \$ 5,996.57 |
| Contingency: (% +/-) | 20% | \$ 7,995.43 |
| Estimated Project Cost: | \$ | 53,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | Poor | Repare roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | | N/A | X | Install crosswalk pavement markings |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | | N/A | |
| Crosswalk width is less than 6' | | N/A | N/A | N/A | |
| Crosswalk striping condition | Good | None | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|--|
| | 1A | 2A | 3A | 4A | |
| Curb ramp does not exist and is needed | | | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | | | X | |
| Curb ramp running slope is greater than 8.33% | X | X | | X | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | X | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area Remove and replace landing area |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | X | X | X | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | | | X | |
| No color contrast at base of curb ramp | X | | | X | |
| Landing area does not exist and is needed | X | | X | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | X | X | X | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | X | X | X | |
| Ponding occurs at base of curb ramp | X | | X | X | Fix curb ramp counter slope Fix ponding |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 5
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Stewart Ave GPS ID: 158
 Project Name: Intersection of Stewart Ave and Telegraph St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 583 | SF | \$ 6.00 | \$ 3,498.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 486 | SF | \$ 2.00 | \$ 972.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 398 | LF | \$ 6.00 | \$ 2,388.00 |
| --- | REPAVE ROADWAY | 4 | LS | \$ 5,000.00 | \$ 20,000.00 |
| --- | FIX PONDING | 3 | LS | \$ 2,000.00 | \$ 6,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 4 | LS | \$ 2,000.00 | \$ 8,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 41,898.00 |
| Engineering: (% +/-) | 15% | \$ 6,472.29 |
| Contingency: (% +/-) | 20% | \$ 8,629.71 |
| Estimated Project Cost: | \$ | 57,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | | N/A | | Install crosswalk pavement markings |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | None | Good | None | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---------------------------------|
| | 1A | 2A | 3A | 4A | |
| Curb ramp does not exist and is needed | | | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | | | X | |
| Curb ramp running slope is greater than 8.33% | X | X | | X | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | X | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | X | X | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | | | X | |
| No color contrast at base of curb ramp | X | | | X | |
| Landing area does not exist and is needed | | X | X | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | | | | Remove and replace landing area |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | Fix curb ramp counter slope |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | X | X | X | |
| Ponding occurs at base of curb ramp | X | X | X | X | Fix ponding |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 5
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 159
 Project Name: Intersection of Saliman Rd and Appaloosa Ct
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 464 | SF | \$ 6.00 | \$ 2,784.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 212 | SF | \$ 2.00 | \$ 424.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 386 | LF | \$ 6.00 | \$ 2,316.00 |
| --- | REPAVE ROADWAY | 1 | LS | \$ 5,000.00 | \$ 5,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 15,564.00 |
| Engineering: (% +/-) | 15% | \$ 2,758.29 |
| Contingency: (% +/-) | 20% | \$ 3,677.71 |
| Estimated Project Cost: | \$ | 22,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|-----|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | N/A | Good | Good | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | N/A | N/A | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | N/A | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2z | 3z | 4A | |
| Curb ramp does not exist and is needed | | X | X | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | | | X | Remove and replace curb ramp |
| Curb ramp running slope is greater than 8.33% | X | | | X | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | X | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | | | X | |
| No color contrast at base of curb ramp | X | | | X | Install landing area |
| Landing area does not exist and is needed | X | | | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | | | X | Fix curb ramp counter slope |
| Ponding occurs at base of curb ramp | | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 160
 Project Name: Intersection of Saliman Rd and Cardinal Way
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 332 | SF | \$ 6.00 | \$ 1,992.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 260 | SF | \$ 2.00 | \$ 520.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 374 | LF | \$ 6.00 | \$ 2,244.00 |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 15,276.00 |
| Engineering: (% +/-) | 15% | \$ 2,453.14 |
| Contingency: (% +/-) | 20% | \$ 3,270.86 |
| Estimated Project Cost: | \$ | 21,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|-------------------------------------|
| | N | E | S | W | |
| Path of travel pavement condition | Good | Good | Good | Good | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | | N/A | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | |
| Crosswalk striping condition | None | None | None | Good | Install crosswalk pavement markings |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|--|
| | 1A | 2A | 3A | 4A | |
| Curb ramp does not exist and is needed | | | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | X | | | |
| Curb ramp running slope is greater than 8.33% | | X | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | X | | X | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area Remove and replace landing area Fix curb ramp transition Fix curb ramp counter slope Fix ponding |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | X | | | |
| No color contrast at base of curb ramp | | X | | | |
| Landing area does not exist and is needed | | X | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | X | | X | |
| Curb ramp transition onto roadway is greater than 0.25" | X | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | | | X | |
| Ponding occurs at base of curb ramp | | | X | X | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 4
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 161
 Project Name: Intersection of Saliman Rd and Colorado St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 348 | SF | \$ 6.00 | \$ 2,088.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 30 | SF | \$ 26.00 | \$ 780.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 197 | SF | \$ 2.00 | \$ 394.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 588 | LF | \$ 6.00 | \$ 3,528.00 |
| --- | REPAVE ROADWAY | 4 | LS | \$ 5,000.00 | \$ 20,000.00 |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 34,790.00 |
| Engineering: (% +/-) | 15% | \$ 5,232.86 |
| Contingency: (% +/-) | 20% | \$ 6,977.14 |
| Estimated Project Cost: | \$ | 47,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | X | N/A | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | | N/A | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | Good | Good | Good | Good | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|--|
| | 1A | 2z | 3A | 4A | |
| Curb ramp does not exist and is needed | | X | | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | | X | | |
| Curb ramp running slope is greater than 8.33% | X | | X | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | X | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | | | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area Remove and replace landing area |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | X | | | |
| No color contrast at base of curb ramp | X | X | | | |
| Landing area does not exist and is needed | X | X | | | Remove and replace landing area |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | X | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | Fix curb ramp counter slope |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | | X | | |
| Ponding occurs at base of curb ramp | X | | X | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 5
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 162
 Project Name: Intersection of Saliman Rd and Como St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 464 | SF | \$ 6.00 | \$ 2,784.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 212 | SF | \$ 2.00 | \$ 424.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 406 | LF | \$ 6.00 | \$ 2,436.00 |
| --- | REPAVE ROADWAY | 1 | LS | \$ 5,000.00 | \$ 5,000.00 |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 17,684.00 |
| Engineering: (% +/-) | 15% | \$ 2,706.86 |
| Contingency: (% +/-) | 20% | \$ 3,609.14 |
| Estimated Project Cost: | \$ | 24,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|-----|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Good | N/A | Good | Good | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | N/A | N/A | X | Repave roadway and install crosswalk pavement markings |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | N/A | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2z | 3z | 4A | |
| Curb ramp does not exist and is needed | | X | X | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | | | X | Remove and replace curb ramp |
| Curb ramp running slope is greater than 8.33% | X | | | X | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | X | | | X | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | Fix curb ramp counter slope |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | | | X | |
| No color contrast at base of curb ramp | X | | | X | |
| Landing area does not exist and is needed | X | | | X | Fix ponding |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | | | X | |
| Ponding occurs at base of curb ramp | | | | X | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Ramp 4A

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Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 163
 Project Name: Intersection of Saliman Rd and Damon Rd
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 373 | SF | \$ 6.00 | \$ 2,238.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 30 | SF | \$ 26.00 | \$ 780.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 303 | SF | \$ 2.00 | \$ 606.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 280 | LF | \$ 6.00 | \$ 1,680.00 |
| --- | REPAVE ROADWAY | 2 | LS | \$ 5,000.00 | \$ 10,000.00 |
| --- | FIX PONDING | 3 | LS | \$ 2,000.00 | \$ 6,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 25,304.00 |
| Engineering: (% +/-) | 15% | \$ 4,155.43 |
| Contingency: (% +/-) | 20% | \$ 5,540.57 |
| Estimated Project Cost: | \$ | 35,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Good | Poor | Poor | Good | Repare roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | | N/A | | Install crosswalk pavement markings |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | | N/A | |
| Crosswalk width is less than 6' | | N/A | N/A | | Install crosswalk pavement markings |
| Crosswalk striping condition | Good | None | None | Good | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | | Recommendations |
|---|--|----|----|----|----|--|
| | 1A | 1B | 2A | 3A | 4A | |
| Curb ramp does not exist and is needed | | | | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | | |
| Flare cross slope is greater than 10% | | X | X | | | |
| Curb ramp running slope is greater than 8.33% | | X | X | | | |
| Blended transition running slope is greater than 5% | | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | | |
| Curb ramp cross slope is greater than 2% | X | | X | X | | |
| Cut-thru ramp cross slope is greater than 2% | | X | | | | |
| Curb ramp width is less than 48" | | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area Remove and replace landing area |
| Cut-thru ramp width is less than 60" | | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | X | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | | |
| No textured surface at base of curb ramp | | | X | X | | |
| No color contrast at base of curb ramp | | | X | X | | |
| Landing area does not exist and is needed | | | X | X | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | X | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | | X | | | |
| Ponding occurs at base of curb ramp | X | X | X | | | Fix curb ramp counter slope Fix ponding |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Ramp 1B



Ramp 2A



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 5
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 165
 Project Name: Intersection of Saliman Rd and Evan St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 464 | SF | \$ 6.00 | \$ 2,784.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 212 | SF | \$ 2.00 | \$ 424.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 404 | LF | \$ 6.00 | \$ 2,424.00 |
| --- | REPAVE ROADWAY | 1 | LS | \$ 5,000.00 | \$ 5,000.00 |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 19,672.00 |
| Engineering: (% +/-) | 15% | \$ 3,140.57 |
| Contingency: (% +/-) | 20% | \$ 4,187.43 |
| Estimated Project Cost: | \$ | 27,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|-----|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | N/A | Good | Good | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | N/A | N/A | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | N/A | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2z | 3z | 4A | |
| Curb ramp does not exist and is needed | | X | X | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | | X | | Remove and replace curb ramp |
| Curb ramp running slope is greater than 8.33% | X | | X | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | X | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | | X | | |
| No color contrast at base of curb ramp | X | | X | | |
| Landing area does not exist and is needed | X | | X | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | Fix curb ramp counter slope |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | | X | | |
| Ponding occurs at base of curb ramp | X | | X | | Fix ponding |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 166
 Project Name: Intersection of Saliman Rd and Fire Box Rd
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 323 | SF | \$ 6.00 | \$ 1,938.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 30 | SF | \$ 26.00 | \$ 780.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 106 | SF | \$ 2.00 | \$ 212.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 290 | LF | \$ 6.00 | \$ 1,740.00 |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 8,670.00 |
| Engineering: (% +/-) | 15% | \$ 1,421.14 |
| Contingency: (% +/-) | 20% | \$ 1,902.86 |
| Estimated Project Cost: | \$ | 12,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|-----|-------------------------------------|
| | N | E | S | W | |
| Path of travel pavement condition | Good | Good | Good | N/A | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | | N/A | N/A | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | | N/A | |
| Crosswalk width is less than 6' | N/A | | N/A | N/A | |
| Crosswalk striping condition | None | Good | None | N/A | Install crosswalk pavement markings |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1z | 2A | 3A | 4z | |
| Curb ramp does not exist and is needed | X | | | X | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | | | | |
| Curb ramp running slope is greater than 8.33% | X | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | X | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | X | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | | | | |
| No color contrast at base of curb ramp | X | | | | Install landing area |
| Landing area does not exist and is needed | X | | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | Fix curb ramp transition |
| Curb ramp transition onto roadway is greater than 0.25" | X | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | X | | |
| Ponding occurs at base of curb ramp | | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Corner 1 No Ramp (1z)



Ramp 2A



Ramp 3A



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 5
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 167
 Project Name: Intersection of Saliman Rd and Goldfield Ave
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 414 | SF | \$ 6.00 | \$ 2,484.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 172 | SF | \$ 2.00 | \$ 344.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 404 | LF | \$ 6.00 | \$ 2,424.00 |
| --- | REPAVE ROADWAY | 1 | LS | \$ 5,000.00 | \$ 5,000.00 |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 17,292.00 |
| Engineering: (% +/-) | 15% | \$ 2,874.86 |
| Contingency: (% +/-) | 20% | \$ 3,833.14 |
| Estimated Project Cost: | \$ | 24,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|-----|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Good | N/A | Good | Good | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | N/A | N/A | X | Repave roadway and install crosswalk pavement markings |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | N/A | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2z | 3z | 4A | |
| Curb ramp does not exist and is needed | | X | X | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | | X | | |
| Curb ramp running slope is greater than 8.33% | X | | X | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | X | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | X | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | | X | | |
| No color contrast at base of curb ramp | X | | X | | Fix curb ramp counter slope |
| Landing area does not exist and is needed | X | | X | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | Fix ponding |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | | X | | |
| Ponding occurs at base of curb ramp | | | | X | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 6
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 168
 Project Name: Intersection of Saliman Rd and Heather Way
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 232 | SF | \$ 6.00 | \$ 1,392.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 49 | SF | \$ 2.00 | \$ 98.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 392 | LF | \$ 6.00 | \$ 2,352.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 19,362.00 |
| Engineering: (% +/-) | 15% | \$ 3,273.43 |
| Contingency: (% +/-) | 20% | \$ 4,364.57 |
| Estimated Project Cost: | \$ | 27,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|-----|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | N/A | Poor | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | N/A | N/A | X | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | N/A | None | Good | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---------------------------------|
| | 1A | 2z | 3z | 4A | |
| Curb ramp does not exist and is needed | | X | X | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | | | |
| No color contrast at base of curb ramp | | | | | |
| Landing area does not exist and is needed | | | | | Remove and replace landing area |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | | | X | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 5
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 169
 Project Name: Intersection of Saliman Rd and Judi Ln
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 464 | SF | \$ 6.00 | \$ 2,784.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 210 | SF | \$ 2.00 | \$ 420.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 268 | LF | \$ 6.00 | \$ 1,608.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 24,852.00 |
| Engineering: (% +/-) | 15% | \$ 3,927.57 |
| Contingency: (% +/-) | 20% | \$ 5,227.43 |
| Estimated Project Cost: | \$ | 34,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|-----|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | N/A | Poor | Poor | Repare roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | N/A | N/A | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | N/A | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2z | 3z | 4A | |
| Curb ramp does not exist and is needed | | X | X | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | | | X | Remove and replace curb ramp |
| Curb ramp running slope is greater than 8.33% | X | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | X | | | X | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | X | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | | | X | For intersection ramps and commercial driveway ramps, install color truncated domes |
| No color contrast at base of curb ramp | X | | | X | |
| Landing area does not exist and is needed | X | | | X | Install landing area |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | X | | | X | Fix ponding |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 5
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 170
 Project Name: Intersection of Saliman Rd and Kingsley Ln
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 564 | SF | \$ 6.00 | \$ 3,384.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 449 | SF | \$ 2.00 | \$ 898.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 462 | LF | \$ 6.00 | \$ 2,772.00 |
| --- | REPAVE ROADWAY | 4 | LS | \$ 5,000.00 | \$ 20,000.00 |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 4 | LS | \$ 2,000.00 | \$ 8,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 40,094.00 |
| Engineering: (% +/-) | 15% | \$ 6,388.29 |
| Contingency: (% +/-) | 20% | \$ 8,517.71 |
| Estimated Project Cost: | \$ | 55,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | Poor | Repare roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | | N/A | X | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | | N/A | |
| Crosswalk width is less than 6' | | | N/A | N/A | |
| Crosswalk striping condition | Good | Good | None | None | Install crosswalk pavement markings |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2A | 3A | 4A | |
| Curb ramp does not exist and is needed | | | | X | Remove and replace crosswalk pavement markings |
| Curb ramp does not land in crosswalk | | | | X | |
| No 4' x 4' clear space at base of curb ramp | | | | X | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | X | X | X | X | |
| Flare cross slope is greater than 10% | X | X | X | X | |
| Curb ramp running slope is greater than 8.33% | X | X | X | X | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | X | | X | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | X | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | X | X | X | |
| No color contrast at base of curb ramp | X | X | X | X | Install landing area |
| Landing area does not exist and is needed | | X | X | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | | | | Remove and replace landing area |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | Fix curb ramp counter slope |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | X | X | X | |
| Ponding occurs at base of curb ramp | | X | X | | Fix ponding |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 171
 Project Name: Intersection of Saliman Rd and Pinto Ct
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 464 | SF | \$ 6.00 | \$ 2,784.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 212 | SF | \$ 2.00 | \$ 424.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 494 | LF | \$ 6.00 | \$ 2,964.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 28,212.00 |
| Engineering: (% +/-) | 15% | \$ 4,623.43 |
| Contingency: (% +/-) | 20% | \$ 6,164.57 |
| Estimated Project Cost: | \$ | 39,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|-----|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | N/A | Poor | Poor | Repare roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | N/A | N/A | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | N/A | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2z | 3z | 4A | |
| Curb ramp does not exist and is needed | | X | X | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | | X | | |
| Curb ramp running slope is greater than 8.33% | X | | X | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | X | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | | X | | |
| No color contrast at base of curb ramp | X | | X | | |
| Landing area does not exist and is needed | X | | X | | Fix curb ramp counter slope |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | | X | | Fix ponding |
| Ponding occurs at base of curb ramp | | | X | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Ramp 4A

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 172
 Project Name: Intersection of Saliman Rd and Quail Run Dr
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 414 | SF | \$ 6.00 | \$ 2,484.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 173 | SF | \$ 2.00 | \$ 346.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 430 | LF | \$ 6.00 | \$ 2,580.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 21,450.00 |
| Engineering: (% +/-) | 15% | \$ 3,235.71 |
| Contingency: (% +/-) | 20% | \$ 4,314.29 |
| Estimated Project Cost: | \$ | 29,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|-----|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | N/A | Poor | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | N/A | N/A | X | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | N/A | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2z | 3z | 4A | |
| Curb ramp does not exist and is needed | | X | X | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | X | | | X | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | | | X | |
| No color contrast at base of curb ramp | X | | | X | |
| Landing area does not exist and is needed | X | | | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 173
 Project Name: Intersection of Saliman Rd and Railroad Dr
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 232 | SF | \$ 6.00 | \$ 1,392.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 10 | SF | \$ 60.00 | \$ 600.00 |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 20 | SF | \$ 2.00 | \$ 40.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 390 | LF | \$ 6.00 | \$ 2,340.00 |
| --- | REPAVE ROADWAY | 2 | LS | \$ 5,000.00 | \$ 10,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 16,892.00 |
| Engineering: (% +/-) | 15% | \$ 2,617.71 |
| Contingency: (% +/-) | 20% | \$ 3,490.29 |
| Estimated Project Cost: | \$ | 23,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|-----|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Good | Good | N/A | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | X | N/A | N/A | Install crosswalk pavement markings |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | N/A | N/A | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | None | None | N/A | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|--|
| | 1z | 2A | 3A | 4z | |
| Curb ramp does not exist and is needed | X | | | X | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area Remove and replace landing area |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | Fix curb ramp counter slope |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | X | | | |
| No color contrast at base of curb ramp | | X | | | |
| Landing area does not exist and is needed | | | X | | Remove and replace landing area |
| Landing area is less than 5' x 5' or slopes greater than 2% | | X | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | Fix curb ramp counter slope |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | X | | |
| Ponding occurs at base of curb ramp | | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Corner 1 No Ramp (1z)



Ramp 2A



Ramp 3A



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 6
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 174
 Project Name: Intersection of Saliman Rd and Seely Lp
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 364 | SF | \$ 6.00 | \$ 2,184.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 0 | SF | \$ 2.00 | \$ - |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 142 | LF | \$ 6.00 | \$ 852.00 |
| --- | REPAVE ROADWAY | 1 | LS | \$ 5,000.00 | \$ 5,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 9,076.00 |
| Engineering: (% +/-) | 15% | \$ 1,681.71 |
| Contingency: (% +/-) | 20% | \$ 2,242.29 |
| Estimated Project Cost: | \$ | 13,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|-----|-----|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | N/A | N/A | N/A | Poor | Repare roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | N/A | N/A | X | |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | N/A | N/A | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | N/A | N/A | N/A | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|-------------------|
| | 1z | 2z | 3z | 4z | |
| Curb ramp does not exist and is needed | X | X | X | X | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | | | |
| No color contrast at base of curb ramp | | | | | |
| Landing area does not exist and is needed | | | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | | | | | |



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 3
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 175
 Project Name: Intersection of Saliman Rd and Shady Oak Dr
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 232 | SF | \$ 6.00 | \$ 1,392.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 49 | SF | \$ 2.00 | \$ 98.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 394 | LF | \$ 6.00 | \$ 2,364.00 |
| --- | REPAVE ROADWAY | 2 | LS | \$ 5,000.00 | \$ 10,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 18,374.00 |
| Engineering: (% +/-) | 15% | \$ 2,839.71 |
| Contingency: (% +/-) | 20% | \$ 3,786.29 |
| Estimated Project Cost: | \$ | 25,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|-----|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Good | N/A | Poor | Poor | Repare roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | N/A | N/A | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | N/A | None | Good | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---------------------------------|
| | 1A | 2z | 3z | 4A | |
| Curb ramp does not exist and is needed | | X | X | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | | | |
| No color contrast at base of curb ramp | | | | | |
| Landing area does not exist and is needed | | | | | Remove and replace landing area |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | | X | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | Fix curb ramp counter slope |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | | X | | |
| Ponding occurs at base of curb ramp | | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



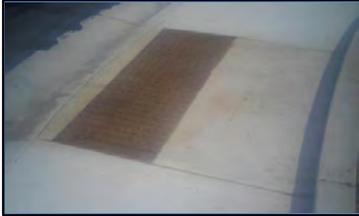
Ramp 1A



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 176
 Project Name: Intersection of Saliman Rd and Sonoma St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 564 | SF | \$ 6.00 | \$ 3,384.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 427 | SF | \$ 2.00 | \$ 854.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 542 | LF | \$ 6.00 | \$ 3,252.00 |
| --- | REPAVE ROADWAY | 4 | LS | \$ 5,000.00 | \$ 20,000.00 |
| --- | FIX PONDING | 3 | LS | \$ 2,000.00 | \$ 6,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 4 | LS | \$ 2,000.00 | \$ 8,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 42,530.00 |
| Engineering: (% +/-) | 15% | \$ 6,380.00 |
| Contingency: (% +/-) | 20% | \$ 8,840.00 |
| Estimated Project Cost: | \$ | 58,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | | N/A | X | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | | N/A | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | Good | Good | Good | Good | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2A | 3A | 4A | |
| Curb ramp does not exist and is needed | | | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | X | X | X | |
| Curb ramp running slope is greater than 8.33% | X | X | X | X | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | X | | | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | X | X | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | X | X | X | |
| No color contrast at base of curb ramp | X | X | X | X | |
| Landing area does not exist and is needed | X | X | X | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | X | X | X | |
| Ponding occurs at base of curb ramp | X | X | X | | Fix ponding |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 8
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 177
 Project Name: Intersection of Saliman Rd and Robinson St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 216 | SF | \$ 6.00 | \$ 1,296.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 10 | SF | \$ 26.00 | \$ 260.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 171 | SF | \$ 2.00 | \$ 342.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 116 | LF | \$ 6.00 | \$ 696.00 |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 3 | LS | \$ 2,000.00 | \$ 6,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 12,594.00 |
| Engineering: (% +/-) | 15% | \$ 2,316.86 |
| Contingency: (% +/-) | 20% | \$ 3,089.14 |
| Estimated Project Cost: | \$ | 18,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|-------------------------------------|
| | N | E | S | W | |
| Path of travel pavement condition | Good | Good | Good | Good | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | | N/A | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | | N/A | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | Good | Good | Good | Worn | Install crosswalk pavement markings |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---------------------------------|
| | 1A | 2A | 3A | 4A | |
| Curb ramp does not exist and is needed | | | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | X | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | | | Remove and replace landing area |
| No color contrast at base of curb ramp | | | | | |
| Landing area does not exist and is needed | | | | | Fix curb ramp counter slope |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | X | X | X | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | X | X | X | Fix ponding |
| Ponding occurs at base of curb ramp | | | X | X | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 178
 Project Name: Intersection of Saliman Rd and Telegraph St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 298 | SF | \$ 6.00 | \$ 1,788.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 30 | SF | \$ 26.00 | \$ 780.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 86 | SF | \$ 2.00 | \$ 172.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 400 | LF | \$ 6.00 | \$ 2,400.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 22,140.00 |
| Engineering: (% +/-) | 15% | \$ 3,368.57 |
| Contingency: (% +/-) | 20% | \$ 4,491.43 |
| Estimated Project Cost: | \$ | 30,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|-----|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | N/A | Poor | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | N/A | N/A | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | N/A | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2z | 3z | 4A | |
| Curb ramp does not exist and is needed | | X | X | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | X | | |
| Curb ramp running slope is greater than 8.33% | | | X | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | X | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | X | | |
| No color contrast at base of curb ramp | | | X | | Install landing area |
| Landing area does not exist and is needed | | | X | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | | | | Remove and replace landing area |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | X | | | | Fix ponding |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Silver Sage Dr GPS ID: 181
 Project Name: Intersection of Silver Sage Dr and Briarwood Dr
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 414 | SF | \$ 6.00 | \$ 2,484.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 172 | SF | \$ 2.00 | \$ 344.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 318 | LF | \$ 6.00 | \$ 1,908.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 20,776.00 |
| Engineering: (% +/-) | 15% | \$ 3,524.57 |
| Contingency: (% +/-) | 20% | \$ 4,699.43 |
| Estimated Project Cost: | \$ | 29,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|-----|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | N/A | Repare roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | X | N/A | N/A | Install crosswalk pavement markings |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | None | None | N/A | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1z | 2A | 3A | 4z | |
| Curb ramp does not exist and is needed | X | | | X | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | X | X | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | X | X | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | | | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | X | | | |
| No color contrast at base of curb ramp | X | X | | | |
| Landing area does not exist and is needed | X | X | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | | | | | |

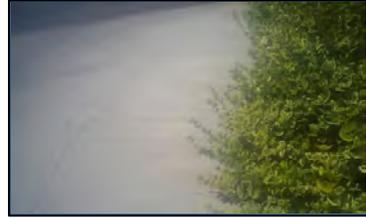
Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Corner 1 No Ramp (1z)



Ramp 2A



Ramp 3A



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Silver Sage Dr GPS ID: 182
 Project Name: Intersection of Silver Sage Dr and Chateau Dr
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 464 | SF | \$ 6.00 | \$ 2,784.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 212 | SF | \$ 2.00 | \$ 424.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 322 | LF | \$ 6.00 | \$ 1,932.00 |
| --- | REPAVE ROADWAY | 2 | LS | \$ 5,000.00 | \$ 10,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 20,180.00 |
| Engineering: (% +/-) | 15% | \$ 3,351.43 |
| Contingency: (% +/-) | 20% | \$ 4,468.57 |
| Estimated Project Cost: | \$ | 28,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|-----|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | N/A | Poor | Good | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | N/A | N/A | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | N/A | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2z | 3z | 4A | |
| Curb ramp does not exist and is needed | | X | X | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | | X | | |
| Curb ramp running slope is greater than 8.33% | X | | X | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | X | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | | X | | |
| No color contrast at base of curb ramp | X | | X | | |
| Landing area does not exist and is needed | X | | X | | Fix curb ramp counter slope |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | | X | | |
| Ponding occurs at base of curb ramp | | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Silver Sage Dr GPS ID: 183
 Project Name: Intersection of Silver Sage Dr and Greenbriar Dr
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 414 | SF | \$ 6.00 | \$ 2,484.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 172 | SF | \$ 2.00 | \$ 344.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 318 | LF | \$ 6.00 | \$ 1,908.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 20,776.00 |
| Engineering: (% +/-) | 15% | \$ 3,524.57 |
| Contingency: (% +/-) | 20% | \$ 4,699.43 |
| Estimated Project Cost: | \$ | 29,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|-----|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | N/A | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | X | N/A | N/A | Install crosswalk pavement markings |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | None | None | N/A | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1z | 2A | 3A | 4z | |
| Curb ramp does not exist and is needed | X | | | X | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | X | X | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | X | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | X | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | X | | | |
| No color contrast at base of curb ramp | X | X | | | |
| Landing area does not exist and is needed | X | X | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Corner 1 No Ramp (1z)



Ramp 2A



Ramp 3A



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Silver Sage Dr GPS ID: 184
 Project Name: Intersection of Silver Sage Dr and Lander Dr
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 464 | SF | \$ 6.00 | \$ 2,784.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 210 | SF | \$ 2.00 | \$ 420.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 452 | LF | \$ 6.00 | \$ 2,712.00 |
| --- | REPAVE ROADWAY | 4 | LS | \$ 5,000.00 | \$ 20,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 26,956.00 |
| Engineering: (% +/-) | 15% | \$ 4,304.57 |
| Contingency: (% +/-) | 20% | \$ 5,739.43 |
| Estimated Project Cost: | \$ | 37,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | | N/A | | Install crosswalk pavement markings |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | N/A | N/A | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | None | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2z | 3z | 4A | |
| Curb ramp does not exist and is needed | | X | X | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | | X | | |
| Curb ramp running slope is greater than 8.33% | X | | X | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | | X | | |
| No color contrast at base of curb ramp | X | | X | | |
| Landing area does not exist and is needed | X | | X | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Silver Sage Dr GPS ID: 185
 Project Name: Intersection of Silver Sage Dr and Nona Dr
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 207 | SF | \$ 6.00 | \$ 1,242.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 25 | SF | \$ 2.00 | \$ 50.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 288 | LF | \$ 6.00 | \$ 1,728.00 |
| --- | REPAVE ROADWAY | 2 | LS | \$ 5,000.00 | \$ 10,000.00 |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 19,540.00 |
| Engineering: (% +/-) | 15% | \$ 3,197.14 |
| Contingency: (% +/-) | 20% | \$ 4,262.86 |
| Estimated Project Cost: | \$ | 27,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|-----|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Good | Poor | N/A | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | | N/A | N/A | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | X | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | |
| Crosswalk striping condition | None | None | None | N/A | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---------------------------------|
| | 1z | 2A | 3A | 4z | |
| Curb ramp does not exist and is needed | X | | | X | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | | | |
| No color contrast at base of curb ramp | | | | | |
| Landing area does not exist and is needed | | | | | Remove and replace landing area |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | X | | |
| Curb ramp transition onto roadway is greater than 0.25" | X | | | | Fix curb ramp transition |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | | X | X | | Fix ponding |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Corner 1 No Ramp (1z)



Ramp 2A



Ramp 3A



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 9
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Silver Sage Dr GPS ID: 186
 Project Name: Intersection of Silver Sage Dr and Pat Ln
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 50 | SF | \$ 6.00 | \$ 300.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 0 | SF | \$ 26.00 | \$ - |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 49 | SF | \$ 2.00 | \$ 98.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 400 | LF | \$ 6.00 | \$ 2,400.00 |
| --- | REPAVE ROADWAY | 4 | LS | \$ 5,000.00 | \$ 20,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 22,798.00 |
| Engineering: (% +/-) | 15% | \$ 3,515.14 |
| Contingency: (% +/-) | 20% | \$ 4,686.86 |
| Estimated Project Cost: | \$ | 31,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Good | Poor | Good | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | X | N/A | X | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | None | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---------------------------------|
| | 1A | 2A | 3A | 4A | |
| Curb ramp does not exist and is needed | | | | | |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | | | |
| No color contrast at base of curb ramp | | | | | |
| Landing area does not exist and is needed | | | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | X | | X | Remove and replace landing area |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



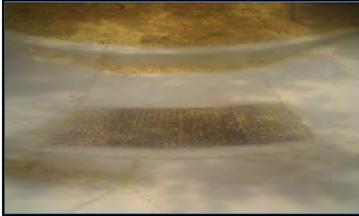
Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Silver Sage Dr GPS ID: 187
 Project Name: Intersection of Silver Sage Dr and Pioche St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 464 | SF | \$ 6.00 | \$ 2,784.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 212 | SF | \$ 2.00 | \$ 424.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 462 | LF | \$ 6.00 | \$ 2,772.00 |
| --- | REPAVE ROADWAY | 4 | LS | \$ 5,000.00 | \$ 20,000.00 |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 29,020.00 |
| Engineering: (% +/-) | 15% | \$ 4,705.71 |
| Contingency: (% +/-) | 20% | \$ 6,274.29 |
| Estimated Project Cost: | \$ | 40,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | | N/A | X | Install crosswalk pavement markings |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | None | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2z | 3z | 4A | |
| Curb ramp does not exist and is needed | | X | X | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | | X | | |
| Curb ramp running slope is greater than 8.33% | X | | X | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | X | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | | | | For intersection ramps and commercial driveway ramps, install color truncated domes |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | | X | | |
| No color contrast at base of curb ramp | X | | X | | Install landing area |
| Landing area does not exist and is needed | X | | X | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | Fix ponding |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | | | X | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Ramp 4A

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Silver Sage Dr GPS ID: 188
 Project Name: Intersection of Silver Sage Dr and Raven Circle
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 464 | SF | \$ 6.00 | \$ 2,784.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 209 | SF | \$ 2.00 | \$ 418.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 296 | LF | \$ 6.00 | \$ 1,776.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 29,018.00 |
| Engineering: (% +/-) | 15% | \$ 4,706.57 |
| Contingency: (% +/-) | 20% | \$ 6,275.43 |
| Estimated Project Cost: | \$ | 40,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|-----|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | N/A | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | | N/A | N/A | Install crosswalk pavement markings |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | None | None | N/A | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1z | 2A | 3A | 4z | |
| Curb ramp does not exist and is needed | X | | | X | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | X | | | |
| Curb ramp running slope is greater than 8.33% | | X | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | X | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | X | X | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | X | | | |
| No color contrast at base of curb ramp | X | X | | | Install landing area |
| Landing area does not exist and is needed | X | X | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | Fix curb ramp transition |
| Curb ramp transition onto roadway is greater than 0.25" | X | X | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | X | X | | Fix curb ramp counter slope |
| Ponding occurs at base of curb ramp | | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Corner 1 No Ramp (1z)



Ramp 2A



Ramp 3A



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Silver Sage Dr GPS ID: 189
 Project Name: Intersection of Silver Sage Dr and Sean Dr
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 323 | SF | \$ 6.00 | \$ 1,938.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 30 | SF | \$ 26.00 | \$ 780.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 106 | SF | \$ 2.00 | \$ 212.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 304 | LF | \$ 6.00 | \$ 1,824.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 21,754.00 |
| Engineering: (% +/-) | 15% | \$ 3,534.00 |
| Contingency: (% +/-) | 20% | \$ 4,712.00 |
| Estimated Project Cost: | \$ | 30,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|-----|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | N/A | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | X | N/A | N/A | Install crosswalk pavement markings |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | None | None | N/A | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1z | 2A | 3A | 4z | |
| Curb ramp does not exist and is needed | X | | | X | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | | | | |
| Curb ramp running slope is greater than 8.33% | X | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | X | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | | | | |
| No color contrast at base of curb ramp | X | | | | Install landing area |
| Landing area does not exist and is needed | X | | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | Fix curb ramp counter slope |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | X | | |
| Ponding occurs at base of curb ramp | | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Corner 1 No Ramp (1z)



Ramp 2A



Ramp 3A



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 5
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Silver Sage Dr GPS ID: 190
 Project Name: Intersection of Silver Sage Dr and Somerset Dr
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 464 | SF | \$ 6.00 | \$ 2,784.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 212 | SF | \$ 2.00 | \$ 424.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 328 | LF | \$ 6.00 | \$ 1,968.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 29,216.00 |
| Engineering: (% +/-) | 15% | \$ 4,621.71 |
| Contingency: (% +/-) | 20% | \$ 6,162.29 |
| Estimated Project Cost: | \$ | 40,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|-----|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | N/A | Poor | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | N/A | N/A | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | N/A | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2z | 3z | 4A | |
| Curb ramp does not exist and is needed | | X | X | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | | | X | Remove and replace curb ramp |
| Curb ramp running slope is greater than 8.33% | | | | X | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | X | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | | | X | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| No color contrast at base of curb ramp | X | | | X | |
| Landing area does not exist and is needed | X | | | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | X | | | | Fix curb ramp transition |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | | | X | Fix curb ramp counter slope |
| Ponding occurs at base of curb ramp | | | | X | Fix ponding |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 5
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Silver Sage Dr GPS ID: 191
 Project Name: Intersection of Silver Sage Dr and Springview Dr
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 564 | SF | \$ 6.00 | \$ 3,384.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 424 | SF | \$ 2.00 | \$ 848.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 470 | LF | \$ 6.00 | \$ 2,820.00 |
| --- | REPAVE ROADWAY | 4 | LS | \$ 5,000.00 | \$ 20,000.00 |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 1 | LS | \$ 500.00 | \$ 500.00 |
| --- | FIX CURB RAMP COUNTER SLOPE | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 36,592.00 |
| Engineering: (% +/-) | 15% | \$ 5,746.29 |
| Contingency: (% +/-) | 20% | \$ 7,661.71 |
| Estimated Project Cost: | \$ | 50,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | X | N/A | X | Install crosswalk pavement markings |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | N/A | N/A | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | None | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2A | 3A | 4A | |
| Curb ramp does not exist and is needed | | | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | X | X | X | |
| Curb ramp running slope is greater than 8.33% | X | X | X | X | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | X | | | |
| Cut-thru ramp cross slope is greater than 2% | | X | X | | |
| Curb ramp width is less than 48" | | X | X | | Remove temporary obstruction |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | X | | Remove temporary obstruction |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | X | | |
| No textured surface at base of curb ramp | X | X | X | X | For intersection ramps and commercial driveway ramps, install color truncated domes |
| No color contrast at base of curb ramp | X | X | X | X | |
| Landing area does not exist and is needed | X | X | X | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | Install landing area |
| Curb ramp transition onto roadway is greater than 0.25" | | X | X | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | X | | Fix curb ramp transition |
| Ponding occurs at base of curb ramp | | | | X | Fix curb ramp counter slope |
| | | | | X | Fix ponding |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 3
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Silver Sage Dr GPS ID: 192
 Project Name: Intersection of Silver Sage Dr and Stafford Way
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 207 | SF | \$ 6.00 | \$ 1,242.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 25 | SF | \$ 2.00 | \$ 50.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 309 | LF | \$ 6.00 | \$ 1,854.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 22,666.00 |
| Engineering: (% +/-) | 15% | \$ 3,571.71 |
| Contingency: (% +/-) | 20% | \$ 4,762.29 |
| Estimated Project Cost: | \$ | 31,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|-----|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | N/A | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | | N/A | N/A | Install crosswalk pavement markings |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | None | None | N/A | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---------------------------------|
| | 1z | 2A | 3A | 4z | |
| Curb ramp does not exist and is needed | X | | | X | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | | | |
| No color contrast at base of curb ramp | | | | | |
| Landing area does not exist and is needed | | | | | Remove and replace landing area |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | X | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | Fix curb ramp counter slope |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | X | X | | |
| Ponding occurs at base of curb ramp | | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Corner 1 No Ramp (1z)



Ramp 2A



Ramp 3A



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Silver Sage Dr GPS ID: 193
 Project Name: Intersection of Silver Sage Dr and Sunchase Ct
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 464 | SF | \$ 6.00 | \$ 2,784.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 204 | SF | \$ 2.00 | \$ 408.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 330 | LF | \$ 6.00 | \$ 1,980.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 1 | LS | \$ 500.00 | \$ 500.00 |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 25,712.00 |
| Engineering: (% +/-) | 15% | \$ 3,980.57 |
| Contingency: (% +/-) | 20% | \$ 5,307.43 |
| Estimated Project Cost: | \$ | 35,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|-----|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | N/A | Poor | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | N/A | N/A | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | N/A | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2z | 3z | 4A | |
| Curb ramp does not exist and is needed | | X | X | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | | | X | Remove and replace curb ramp |
| Curb ramp running slope is greater than 8.33% | X | | | X | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | X | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | X | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | X | | | | |
| No textured surface at base of curb ramp | X | | | X | For intersection ramps and commercial driveway ramps, install color truncated domes |
| No color contrast at base of curb ramp | X | | | X | |
| Landing area does not exist and is needed | X | | | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | | | X | Fix curb ramp counter slope |
| Ponding occurs at base of curb ramp | | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Silver Sage Dr GPS ID: 194
 Project Name: Intersection of Silver Sage Dr and Sunwood Dr
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 555 | SF | \$ 6.00 | \$ 3,330.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 50 | SF | \$ 26.00 | \$ 1,300.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 212 | SF | \$ 2.00 | \$ 424.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 482 | LF | \$ 6.00 | \$ 2,892.00 |
| --- | REPAVE ROADWAY | 4 | LS | \$ 5,000.00 | \$ 20,000.00 |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 31,946.00 |
| Engineering: (% +/-) | 15% | \$ 5,166.00 |
| Contingency: (% +/-) | 20% | \$ 6,888.00 |
| Estimated Project Cost: | \$ | 44,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | | N/A | X | Install crosswalk pavement markings |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | None | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2z | 3z | 4A | |
| Curb ramp does not exist and is needed | | X | X | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | | X | | |
| Curb ramp running slope is greater than 8.33% | X | | X | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | | X | | |
| No color contrast at base of curb ramp | X | | X | | Fix curb ramp counter slope |
| Landing area does not exist and is needed | X | | X | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | Fix ponding |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | X | | |
| Ponding occurs at base of curb ramp | | | X | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Silver Sage Dr GPS ID: 195
 Project Name: Intersection of Silver Sage Dr and Windtree Circle
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 464 | SF | \$ 6.00 | \$ 2,784.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 212 | SF | \$ 2.00 | \$ 424.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 330 | LF | \$ 6.00 | \$ 1,980.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 27,228.00 |
| Engineering: (% +/-) | 15% | \$ 4,188.00 |
| Contingency: (% +/-) | 20% | \$ 5,584.00 |
| Estimated Project Cost: | \$ | 37,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|-----|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | N/A | Poor | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | N/A | N/A | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | N/A | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2z | 3z | 4A | |
| Curb ramp does not exist and is needed | | X | X | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | | X | | |
| Curb ramp running slope is greater than 8.33% | X | | X | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | X | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | | X | | |
| No color contrast at base of curb ramp | X | | X | | Fix curb ramp counter slope |
| Landing area does not exist and is needed | X | | X | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | Fix ponding |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | | X | | |
| Ponding occurs at base of curb ramp | | | X | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Silver Sage Dr GPS ID: 197
 Project Name: Intersection of Silver Sage Dr and Sonoma St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 332 | SF | \$ 6.00 | \$ 1,992.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 261 | SF | \$ 2.00 | \$ 522.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 486 | LF | \$ 6.00 | \$ 2,916.00 |
| --- | REPAVE ROADWAY | 4 | LS | \$ 5,000.00 | \$ 20,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 4 | LS | \$ 2,000.00 | \$ 8,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 33,950.00 |
| Engineering: (% +/-) | 15% | \$ 5,164.29 |
| Contingency: (% +/-) | 20% | \$ 6,885.71 |
| Estimated Project Cost: | \$ | 46,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | | N/A | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | | N/A | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | Good | Good | Good | Good | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2A | 3A | 4A | |
| Curb ramp does not exist and is needed | | | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | | | X | |
| Curb ramp running slope is greater than 8.33% | X | | | X | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | X | |
| Cut-thru ramp cross slope is greater than 2% | | | | X | |
| Curb ramp width is less than 48" | | | | X | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | | | X | |
| No color contrast at base of curb ramp | X | | | X | |
| Landing area does not exist and is needed | X | | | X | Install landing area |
| Landing area is less than 5' x 5' or slopes greater than 2% | | X | X | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | Remove and replace landing area |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | X | X | X | |
| Ponding occurs at base of curb ramp | | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Silver Sage Dr GPS ID: 198
 Project Name: Intersection of Silver Sage Dr and Koontz Ln
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 514 | SF | \$ 6.00 | \$ 3,084.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 384 | SF | \$ 2.00 | \$ 768.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 468 | LF | \$ 6.00 | \$ 2,808.00 |
| --- | REPAVE ROADWAY | 4 | LS | \$ 5,000.00 | \$ 20,000.00 |
| --- | FIX PONDING | 4 | LS | \$ 2,000.00 | \$ 8,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 1 | LS | \$ 500.00 | \$ 500.00 |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 40,200.00 |
| Engineering: (% +/-) | 15% | \$ 6,342.86 |
| Contingency: (% +/-) | 20% | \$ 8,457.14 |
| Estimated Project Cost: | \$ | 55,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Poor | Poor | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | | N/A | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | | N/A | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | Good | Good | Good | Good | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2A | 3A | 4A | |
| Curb ramp does not exist and is needed | | | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | X | X | X | |
| Curb ramp running slope is greater than 8.33% | X | X | X | X | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | X | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | X | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | X | Remove temporary obstruction |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | X | | | | |
| No textured surface at base of curb ramp | X | X | X | X | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| No color contrast at base of curb ramp | X | X | X | X | |
| Landing area does not exist and is needed | X | X | X | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | | X | | Fix curb ramp counter slope |
| Ponding occurs at base of curb ramp | X | X | X | X | Fix ponding |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: College Pkwy (East Segment) GPS ID: 90000
 Project Name: Intersection of College Pkwy (East Segment) and driveway (Lat. 39.19; Long. -119.7496)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 182 | SF | \$ 6.00 | \$ 1,092.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 132 | SF | \$ 2.00 | \$ 264.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 7,876.00 |
| Engineering: (% +/-) | 15% | \$ 1,338.86 |
| Contingency: (% +/-) | 20% | \$ 1,765.14 |
| Estimated Project Cost: | \$ | 11,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|---|
| | 1A | 2A | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | X | X | |
| Curb ramp running slope is greater than 8.33% | | | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | | X | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | X | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | |
| No textured surface at base of curb ramp | X | X | |
| No color contrast at base of curb ramp | X | X | |
| Landing area does not exist and is needed | X | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | |
| Curb ramp transition onto roadway is greater than 0.25" | X | X | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | |
| Ponding occurs at base of curb ramp | | X | Fix ponding |



Ramp 1A



Ramp 2A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: College Pkwy (East Segment) GPS ID: 90001
 Project Name: Intersection of College Pkwy (East Segment) and driveway (Lat. 39.19; Long. -119.7483)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 182 | SF | \$ 6.00 | \$ 1,092.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 132 | SF | \$ 2.00 | \$ 264.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-----------------|
| Subtotal: | \$ | 5,876.00 |
| Engineering: (% +/-) | 15% | \$ 910.29 |
| Contingency: (% +/-) | 20% | \$ 1,213.71 |
| Estimated Project Cost: | \$ | 8,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|---|
| | 3A | 4A | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | X | X | |
| Curb ramp running slope is greater than 8.33% | X | X | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | X | X | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | |
| No textured surface at base of curb ramp | X | X | |
| No color contrast at base of curb ramp | X | X | |
| Landing area does not exist and is needed | X | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | X | |
| Ponding occurs at base of curb ramp | X | | Fix curb ramp counter slope |
| | | | Fix ponding |



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 5
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: College Pkwy (East Segment) GPS ID: 90002
 Project Name: Intersection of College Pkwy (East Segment) and driveway (Lat. 39.19; Long. -119.7491)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 232 | SF | \$ 6.00 | \$ 1,392.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 177 | SF | \$ 2.00 | \$ 354.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-----------------|
| Subtotal: | \$ | 6,266.00 |
| Engineering: (% +/-) | 15% | \$ 1,171.71 |
| Contingency: (% +/-) | 20% | \$ 1,562.29 |
| Estimated Project Cost: | \$ | 9,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|---|
| | 3A | 4A | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | | X | |
| Curb ramp running slope is greater than 8.33% | | | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | X | X | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | X | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | |
| No textured surface at base of curb ramp | X | X | |
| No color contrast at base of curb ramp | X | X | |
| Landing area does not exist and is needed | X | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | X | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | X | |
| Ponding occurs at base of curb ramp | | | Fix curb ramp transition |
| | | | Fix curb ramp counter slope |



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 5
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: College Pkwy (East Segment) GPS ID: 90003
 Project Name: Intersection of College Pkwy (East Segment) and driveway (Lat. 39.19; Long. -119.7501)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 116 | SF | \$ 6.00 | \$ 696.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 10 | SF | \$ 26.00 | \$ 260.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 116 | SF | \$ 2.00 | \$ 232.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-----------------|
| Subtotal: | \$ | 3,188.00 |
| Engineering: (% +/-) | 15% | \$ 776.57 |
| Contingency: (% +/-) | 20% | \$ 1,035.43 |
| Estimated Project Cost: | \$ | 5,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|---------------------------------|
| | 3A | 4A | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | | | |
| Curb ramp running slope is greater than 8.33% | | | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | | X | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | | | Remove and replace landing area |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | X | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | |
| No textured surface at base of curb ramp | | | |
| No color contrast at base of curb ramp | | | |
| Landing area does not exist and is needed | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | X | |
| Curb ramp transition onto roadway is greater than 0.25" | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | X | |
| Ponding occurs at base of curb ramp | | | Fix curb ramp counter slope |



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: College Pkwy (East Segment) GPS ID: 90005
 Project Name: Intersection of College Pkwy (East Segment) and driveway (Lat. 39.1903; Long. -119.7453)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 117 | SF | \$ 6.00 | \$ 702.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 10 | SF | \$ 26.00 | \$ 260.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 66 | SF | \$ 2.00 | \$ 132.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-----------------|
| Subtotal: | \$ | 3,094.00 |
| Engineering: (% +/-) | 15% | \$ 816.86 |
| Contingency: (% +/-) | 20% | \$ 1,089.14 |
| Estimated Project Cost: | \$ | 5,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|------------------------------|
| | 1A | 2A | 3z | 4z | |
| Curb ramp does not exist and is needed | | | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | X | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | Install landing area |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | | | |
| No color contrast at base of curb ramp | | | | | |
| Landing area does not exist and is needed | X | X | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | X | | | | Fix ponding |



Ramp 1A



Ramp 2A



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 5
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: College Pkwy (East Segment) GPS ID: 90006
 Project Name: Intersection of College Pkwy (East Segment) and driveway (Lat. 39.1902; Long. -119.7416)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 182 | SF | \$ 6.00 | \$ 1,092.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 132 | SF | \$ 2.00 | \$ 264.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 11,876.00 |
| Engineering: (% +/-) | 15% | \$ 2,196.00 |
| Contingency: (% +/-) | 20% | \$ 2,928.00 |
| Estimated Project Cost: | \$ | 17,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2A | 3z | 4z | |
| Curb ramp does not exist and is needed | | | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | X | X | | | |
| Blended transition running slope is greater than 5% | X | X | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | X | | | |
| No color contrast at base of curb ramp | X | X | | | |
| Landing area does not exist and is needed | X | X | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | X | X | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | | | | |
| Ponding occurs at base of curb ramp | X | X | | | Fix curb ramp transition Fix curb ramp counter slope Fix ponding |



Ramp 1A



Ramp 2A



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: College Pkwy (East Segment) GPS ID: 90008
 Project Name: Intersection of College Pkwy (East Segment) and driveway (Lat. 39.1902; Long. -119.7461)
 City: Carson City

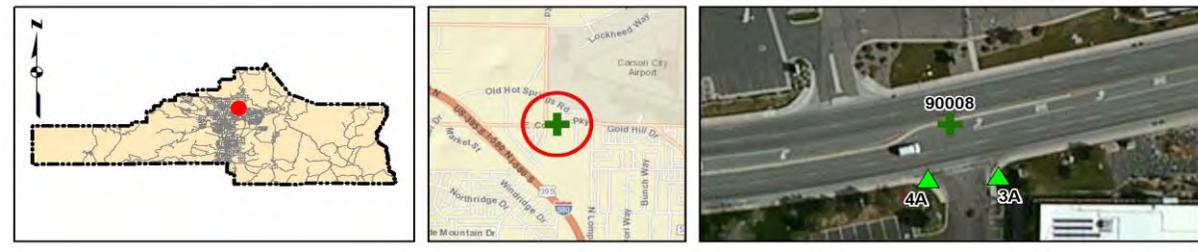
| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 167 | SF | \$ 6.00 | \$ 1,002.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 10 | SF | \$ 26.00 | \$ 260.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 10 | SF | \$ 60.00 | \$ 600.00 |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 106 | SF | \$ 2.00 | \$ 212.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-----------------|
| Subtotal: | \$ | 6,074.00 |
| Engineering: (% +/-) | 15% | \$ 1,254.00 |
| Contingency: (% +/-) | 20% | \$ 1,672.00 |
| Estimated Project Cost: | \$ | 9,000.00 |

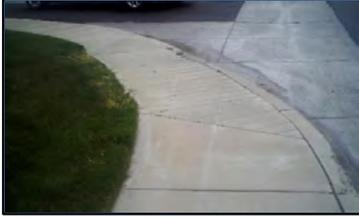
Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|---|
| | 3A | 4A | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | | | |
| Curb ramp running slope is greater than 8.33% | | | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | | | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | X | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | X | X | |
| No textured surface at base of curb ramp | X | X | |
| No color contrast at base of curb ramp | X | X | |
| Landing area does not exist and is needed | X | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | |
| Ponding occurs at base of curb ramp | X | X | Fix ponding |



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 5
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: College Pkwy (West Segment) GPS ID: 90010
 Project Name: Intersection of College Pkwy (West Segment) and driveway (Lat. 39.1904; Long. -119.7588)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 51 | SF | \$ 6.00 | \$ 306.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 0 | SF | \$ 26.00 | \$ - |
| --- | TACTILE WARNING DEVICE - RETROFIT | 10 | SF | \$ 60.00 | \$ 600.00 |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 17 | SF | \$ 2.00 | \$ 34.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-----------------|
| Subtotal: | \$ | 2,940.00 |
| Engineering: (% +/-) | 15% | \$ 454.29 |
| Contingency: (% +/-) | 20% | \$ 605.71 |
| Estimated Project Cost: | \$ | 4,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|--|
| | 1A | 2A | |
| Curb ramp does not exist and is needed | | | |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | | | |
| Curb ramp running slope is greater than 8.33% | | | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | | | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | | | |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | |
| No textured surface at base of curb ramp | | | |
| No color contrast at base of curb ramp | X | | For intersection ramps and commercial driveway ramps, install landing area |
| Landing area does not exist and is needed | X | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | X | Remove and replace landing area |
| Curb ramp transition onto roadway is greater than 0.25" | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | X | Fix curb ramp counter slope |
| Ponding occurs at base of curb ramp | | | |



Ramp 1A



Ramp 2A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 5
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: College Pkwy (West Segment) GPS ID: 90011
 Project Name: Intersection of College Pkwy (West Segment) and driveway (Lat. 39.1906; Long. -119.7594)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 414 | SF | \$ 6.00 | \$ 2,484.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 0 | SF | \$ 26.00 | \$ - |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 313 | SF | \$ 2.00 | \$ 626.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 4 | LS | \$ 2,000.00 | \$ 8,000.00 |
| --- | FIX CURB RAMP TRANSITION | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 3 | LS | \$ 2,000.00 | \$ 6,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 21,110.00 |
| Engineering: (% +/-) | 15% | \$ 3,381.43 |
| Contingency: (% +/-) | 20% | \$ 4,508.57 |
| Estimated Project Cost: | \$ | 29,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | SF | SG | 3A | 4A | |
| Curb ramp does not exist and is needed | | | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | X | | | |
| Curb ramp running slope is greater than 8.33% | X | X | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | X | X | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | X | X | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | X | X | X | |
| No color contrast at base of curb ramp | X | X | X | X | |
| Landing area does not exist and is needed | X | X | X | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | X | X | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | X | | X | |
| Ponding occurs at base of curb ramp | X | X | X | X | Fix curb ramp transition Fix curb ramp counter slope Fix ponding |



Ramp South F



Ramp South G



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: College Pkwy (West Segment) GPS ID: 90012
 Project Name: Intersection of College Pkwy (West Segment) and driveway (Lat. 39.1907; Long. -119.7628)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 232 | SF | \$ 6.00 | \$ 1,392.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 172 | SF | \$ 2.00 | \$ 344.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 10,256.00 |
| Engineering: (% +/-) | 15% | \$ 1,604.57 |
| Contingency: (% +/-) | 20% | \$ 2,139.43 |
| Estimated Project Cost: | \$ | 14,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|---|
| | 3A | 4A | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | X | X | |
| Curb ramp running slope is greater than 8.33% | X | X | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | | | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | X | X | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | X | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | |
| No textured surface at base of curb ramp | X | X | |
| No color contrast at base of curb ramp | X | X | |
| Landing area does not exist and is needed | X | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | X | |
| Ponding occurs at base of curb ramp | X | X | Fix curb ramp counter slope |
| | | | Fix ponding |



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: College Pkwy (West Segment) GPS ID: 90013
 Project Name: Intersection of College Pkwy (West Segment) and driveway (Lat. 39.1907; Long. -119.7707)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 182 | SF | \$ 6.00 | \$ 1,092.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 148 | SF | \$ 2.00 | \$ 296.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-----------------|
| Subtotal: | \$ | 3,908.00 |
| Engineering: (% +/-) | 15% | \$ 896.57 |
| Contingency: (% +/-) | 20% | \$ 1,195.43 |
| Estimated Project Cost: | \$ | 6,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|---|
| | 1A | 2A | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | | | |
| Curb ramp running slope is greater than 8.33% | | | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | X | | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | | | For intersection ramps and commercial driveway ramps, install color truncated domes |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | X | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | |
| No textured surface at base of curb ramp | X | X | |
| No color contrast at base of curb ramp | X | X | |
| Landing area does not exist and is needed | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | X | |
| Curb ramp transition onto roadway is greater than 0.25" | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | |
| Ponding occurs at base of curb ramp | | X | Fix ponding |



Ramp 1A



Ramp 2A

Opinion of Probable Construction Cost Disclaimer:

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 6
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor : Lompa Ln GPS ID: 90014
 Project Name: Intersection of Lompa Ln and driveway (Lat. 39.1894; Long. -119.7427)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 182 | SF | \$ 6.00 | \$ 1,092.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 0 | SF | \$ 2.00 | \$ - |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 90 | LF | \$ 6.00 | \$ 540.00 |
| --- | REPAVE ROADWAY | 1 | LS | \$ 5,000.00 | \$ 5,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

| | | |
|---|-----------------------------------|------------------|
| <input checked="" type="checkbox"/> No Design Completed | Subtotal: \$ | 7,152.00 |
| <input type="checkbox"/> Preliminary Design | Engineering: (% +/-) | 15% \$ 1,220.57 |
| <input type="checkbox"/> Final Design | Contingency: (% +/-) | 20% \$ 1,627.43 |
| | Estimated Project Cost: \$ | 10,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|-----|-----|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | N/A | N/A | N/A | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | N/A | N/A | X | |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | N/A | N/A | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | N/A | N/A | N/A | None | |

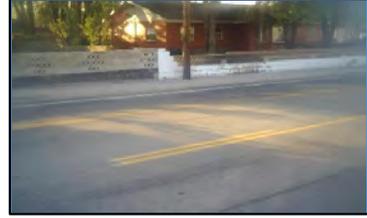
| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|-------------------|
| | 1z | 2z | 3z | 4z | |
| Curb ramp does not exist and is needed | X | | | X | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | | | |
| No color contrast at base of curb ramp | | | | | |
| Landing area does not exist and is needed | | | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | | | | | |



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Lompa Ln GPS ID: 90015
 Project Name: Intersection of Lompa Ln and Carmine St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 543 | SF | \$ 6.00 | \$ 3,258.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 50 | SF | \$ 26.00 | \$ 1,300.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 435 | SF | \$ 2.00 | \$ 870.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 540 | LF | \$ 6.00 | \$ 3,240.00 |
| --- | REPAVE ROADWAY | 4 | LS | \$ 5,000.00 | \$ 20,000.00 |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 36,668.00 |
| Engineering: (% +/-) | 15% | \$ 5,713.71 |
| Contingency: (% +/-) | 20% | \$ 7,618.29 |
| Estimated Project Cost: | \$ | 50,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|-----------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Poor | Dangerous | Poor | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | X | N/A | | Remove and replace crosswalk pavement markings |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | | N/A | |
| Crosswalk width is less than 6' | N/A | | | | |
| Crosswalk striping condition | None | Worn | Worn | Worn | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|--|
| | 1A | 2A | 3A | 4A | |
| Curb ramp does not exist and is needed | | | | | Remove and replace crosswalk pavement markings |
| Curb ramp does not land in crosswalk | | X | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | X | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | X | X | X | Remove and replace landing area |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | | | |
| No color contrast at base of curb ramp | | | | | Remove and replace landing area |
| Landing area does not exist and is needed | | | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | X | X | X | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | Fix curb ramp counter slope |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | | | X | |
| Ponding occurs at base of curb ramp | X | | | X | Fix ponding |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor : Lompa Ln GPS ID: 90016
 Project Name: Intersection of Lompa Ln and driveway (Lat. 39.1858; Long. -119.7426)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 182 | SF | \$ 6.00 | \$ 1,092.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 132 | SF | \$ 2.00 | \$ 264.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-----------------|
| Subtotal: | \$ | 1,876.00 |
| Engineering: (% +/-) | 15% | \$ 481.71 |
| Contingency: (% +/-) | 20% | \$ 642.29 |
| Estimated Project Cost: | \$ | 3,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|---|
| | 1A | 4A | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | | | |
| Curb ramp running slope is greater than 8.33% | X | | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | X | | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | X | X | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | X | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | |
| No textured surface at base of curb ramp | X | X | |
| No color contrast at base of curb ramp | X | X | |
| Landing area does not exist and is needed | X | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | |
| Ponding occurs at base of curb ramp | | | |



Ramp 1A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 5
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: College Pkwy (East Segment) GPS ID: 90017
 Project Name: Intersection of College Pkwy (East Segment) and driveway (Lat. 39.1902; Long. -119.7464)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 90 | LF | \$ 32.00 | \$ 2,880.00 |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 407 | SF | \$ 6.00 | \$ 2,442.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 357 | SF | \$ 2.00 | \$ 714.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 15,076.00 |
| Engineering: (% +/-) | 15% | \$ 2,538.86 |
| Contingency: (% +/-) | 20% | \$ 3,385.14 |
| Estimated Project Cost: | \$ | 21,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | | Recommendations |
|---|--|----|----|---|
| | NF | 1A | 2A | |
| Curb ramp does not exist and is needed | | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | |
| Flare cross slope is greater than 10% | | X | | |
| Curb ramp running slope is greater than 8.33% | | | | |
| Blended transition running slope is greater than 5% | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | |
| Curb ramp cross slope is greater than 2% | | X | X | |
| Cut-thru ramp cross slope is greater than 2% | X | | | |
| Curb ramp width is less than 48" | | | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Cut-thru ramp width is less than 60" | X | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | X | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | X | | |
| No textured surface at base of curb ramp | X | X | X | |
| No color contrast at base of curb ramp | X | X | X | |
| Landing area does not exist and is needed | | X | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | X | X | |
| Ponding occurs at base of curb ramp | X | | | Fix ponding |



Ramp North F



Ramp 1A



Ramp 2A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Winnie Lane GPS ID: 90018
 Project Name: Intersection of Winnie Ln and Division St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 232 | SF | \$ 6.00 | \$ 1,392.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 20 | SF | \$ 60.00 | \$ 1,200.00 |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 87 | SF | \$ 2.00 | \$ 174.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 288 | LF | \$ 6.00 | \$ 1,728.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 26,014.00 |
| Engineering: (% +/-) | 15% | \$ 4,279.71 |
| Contingency: (% +/-) | 20% | \$ 5,706.29 |
| Estimated Project Cost: | \$ | 36,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | N/A | Poor | Poor | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | N/A | | N/A | |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | | N/A | | |
| Crosswalk width is less than 6' | N/A | N/A | | | Install crosswalk pavement markings |
| Crosswalk striping condition | N/A | None | Good | Good | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|--|
| | 1A | 2z | 3A | 4A | |
| Curb ramp does not exist and is needed | | X | | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | | | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area Remove and replace landing area |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | X | X | | |
| No color contrast at base of curb ramp | X | X | X | | |
| Landing area does not exist and is needed | | | X | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | | X | | |
| Ponding occurs at base of curb ramp | X | | | | |
| | | | | | |
| | | | | | Fix ponding |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: King's Canyon Rd GPS ID: 90019
 Project Name: Intersection of King's Canyon Rd and driveway (Lat. 39.1639; Long. -119.7771)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 116 | SF | \$ 6.00 | \$ 696.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 10 | SF | \$ 26.00 | \$ 260.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 10 | SF | \$ 60.00 | \$ 600.00 |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 101 | SF | \$ 2.00 | \$ 202.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-----------------|
| Subtotal: | \$ | 5,758.00 |
| Engineering: (% +/-) | 15% | \$ 960.86 |
| Contingency: (% +/-) | 20% | \$ 1,281.14 |
| Estimated Project Cost: | \$ | 8,000.00 |

Project Location



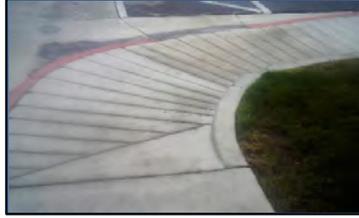
Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|---|
| | 1A | 2A | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | | | |
| Curb ramp running slope is greater than 8.33% | | | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | X | | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | | | For intersection ramps and commercial driveway ramps, install color truncated domes |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | |
| No textured surface at base of curb ramp | X | X | |
| No color contrast at base of curb ramp | X | X | |
| Landing area does not exist and is needed | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | X | |
| Curb ramp transition onto roadway is greater than 0.25" | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | X | |
| Ponding occurs at base of curb ramp | | X | Fix curb ramp counter slope |
| | | | Fix ponding |



Ramp 1A



Ramp 2A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Winnie Ln GPS ID: 90020
 Project Name: Intersection of Winnie Ln and driveway (Lat. 39.1792; Long. -119.7694)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 182 | SF | \$ 6.00 | \$ 1,092.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 132 | SF | \$ 2.00 | \$ 264.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-----------------|
| Subtotal: | \$ | 1,876.00 |
| Engineering: (% +/-) | 15% | \$ 481.71 |
| Contingency: (% +/-) | 20% | \$ 642.29 |
| Estimated Project Cost: | \$ | 3,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|---|
| | 3A | 4A | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | X | X | |
| Curb ramp running slope is greater than 8.33% | X | X | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | X | X | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | X | X | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | |
| No textured surface at base of curb ramp | X | X | |
| No color contrast at base of curb ramp | X | X | |
| Landing area does not exist and is needed | X | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | |
| Ponding occurs at base of curb ramp | | | |



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Mountain St GPS ID: 90021
 Project Name: Intersection of Mountain St and driveway (Lat. 39.1704; Long. -119.7729)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 182 | SF | \$ 6.00 | \$ 1,092.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 155 | SF | \$ 2.00 | \$ 310.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 9,922.00 |
| Engineering: (% +/-) | 15% | \$ 1,747.71 |
| Contingency: (% +/-) | 20% | \$ 2,330.29 |
| Estimated Project Cost: | \$ | 14,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|---|
| | 2A | 3A | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | X | | |
| Flare cross slope is greater than 10% | | | |
| Curb ramp running slope is greater than 8.33% | | | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | | | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | | | For intersection ramps and commercial driveway ramps, install color truncated domes |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | X | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | X | X | |
| No textured surface at base of curb ramp | X | X | |
| No color contrast at base of curb ramp | X | X | |
| Landing area does not exist and is needed | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | X | |
| Curb ramp transition onto roadway is greater than 0.25" | X | X | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | |
| Ponding occurs at base of curb ramp | X | X | Fix ponding |



Ramp 2A



Ramp 3A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Mountain St GPS ID: 90022
 Project Name: Intersection of Mountain St and driveway (Lat. 39.1711; Long. -119.7729)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 182 | SF | \$ 6.00 | \$ 1,092.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 157 | SF | \$ 2.00 | \$ 314.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 7,926.00 |
| Engineering: (% +/-) | 15% | \$ 1,317.43 |
| Contingency: (% +/-) | 20% | \$ 1,756.57 |
| Estimated Project Cost: | \$ | 11,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|--|
| | 2A | 3A | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | X | X | |
| Curb ramp running slope is greater than 8.33% | X | X | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | X | | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | X | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area Remove and replace landing area Fix curb ramp transition |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | |
| No textured surface at base of curb ramp | X | X | |
| No color contrast at base of curb ramp | X | X | |
| Landing area does not exist and is needed | X | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | X | |
| Curb ramp transition onto roadway is greater than 0.25" | | X | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | |
| Ponding occurs at base of curb ramp | X | X | Fix ponding |



Ramp 2A



Ramp 3A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 5
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Stewart Ave GPS ID: 90023
 Project Name: Intersection of Stewart Ave and driveway (Lat. 39.1663; Long. -119.7645)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 182 | SF | \$ 6.00 | \$ 1,092.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 132 | SF | \$ 2.00 | \$ 264.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-----------------|
| Subtotal: | \$ | 5,876.00 |
| Engineering: (% +/-) | 15% | \$ 910.29 |
| Contingency: (% +/-) | 20% | \$ 1,213.71 |
| Estimated Project Cost: | \$ | 8,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|---|
| | 2A | 3A | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | | X | |
| Curb ramp running slope is greater than 8.33% | X | X | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | X | | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | X | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | |
| No textured surface at base of curb ramp | X | X | |
| No color contrast at base of curb ramp | X | X | |
| Landing area does not exist and is needed | X | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | |
| Ponding occurs at base of curb ramp | X | X | Fix ponding |



Ramp 2A



Ramp 3A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Stewart Ave GPS ID: 90025
 Project Name: Intersection of Stewart Ave and driveway (Lat. 39.1625; Long. -119.7645)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-----------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 91 | SF | \$ 6.00 | \$ 546.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 10 | SF | \$ 26.00 | \$ 260.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 80 | SF | \$ 2.00 | \$ 160.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-----------------|
| Subtotal: | \$ | 966.00 |
| Engineering: (% +/-) | 15% | \$ 443.14 |
| Contingency: (% +/-) | 20% | \$ 590.86 |
| Estimated Project Cost: | \$ | 2,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | Recommendations |
|---|--|---------------------------------|
| | | |
| Curb ramp does not exist and is needed | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | |
| No 4' x 4' clear space at base of curb ramp | | |
| Curbed side is not 90° or has traversable adjacent surface | | |
| Flare cross slope is greater than 10% | X | |
| Curb ramp running slope is greater than 8.33% | X | |
| Blended transition running slope is greater than 5% | | |
| Cut-thru ramp running slope is greater than 5% | | |
| Curb ramp cross slope is greater than 2% | X | |
| Cut-thru ramp cross slope is greater than 2% | | |
| Curb ramp width is less than 48" | X | |
| Cut-thru ramp width is less than 60" | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | |
| No textured surface at base of curb ramp | X | |
| No color contrast at base of curb ramp | X | |
| Landing area does not exist and is needed | | Remove and replace landing area |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | |
| Curb ramp transition onto roadway is greater than 0.25" | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | |
| Ponding occurs at base of curb ramp | | |



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Musser St GPS ID: 90026
 Project Name: Intersection of Musser St and driveway (Lat. 39.1646; Long. -119.7604)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 66 | SF | \$ 6.00 | \$ 396.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 10 | SF | \$ 26.00 | \$ 260.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 66 | SF | \$ 2.00 | \$ 132.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-----------------|
| Subtotal: | \$ | 2,788.00 |
| Engineering: (% +/-) | 15% | \$ 519.43 |
| Contingency: (% +/-) | 20% | \$ 692.57 |
| Estimated Project Cost: | \$ | 4,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | 4A | Recommendations |
|---|--|----|------------------------------|
| | | | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | X | | |
| Curb ramp running slope is greater than 8.33% | X | | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | X | | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | | | |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | |
| No textured surface at base of curb ramp | X | | |
| No color contrast at base of curb ramp | X | | |
| Landing area does not exist and is needed | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | |
| Ponding occurs at base of curb ramp | X | | Fix ponding |



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Musser St GPS ID: 90027
 Project Name: Intersection of Musser St and driveway (Lat. 39.1646; Long. -119.7598)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 182 | SF | \$ 6.00 | \$ 1,092.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 181 | SF | \$ 2.00 | \$ 362.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-----------------|
| Subtotal: | \$ | 3,974.00 |
| Engineering: (% +/-) | 15% | \$ 868.29 |
| Contingency: (% +/-) | 20% | \$ 1,157.71 |
| Estimated Project Cost: | \$ | 6,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|---|
| | 3A | 4A | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | | | |
| Curb ramp running slope is greater than 8.33% | | | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | | | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | | | For intersection ramps and commercial driveway ramps, Remove and replace landing area Fix curb ramp transition |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | X | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | |
| No textured surface at base of curb ramp | | | |
| No color contrast at base of curb ramp | X | | |
| Landing area does not exist and is needed | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | X | |
| Curb ramp transition onto roadway is greater than 0.25" | | X | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | |
| Ponding occurs at base of curb ramp | | | |



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Musser St GPS ID: 90028
 Project Name: Intersection of Musser St and driveway (Lat. 39.1645; Long. -119.7583)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 116 | SF | \$ 6.00 | \$ 696.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 10 | SF | \$ 26.00 | \$ 260.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 115 | SF | \$ 2.00 | \$ 230.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-----------------|
| Subtotal: | \$ | 5,186.00 |
| Engineering: (% +/-) | 15% | \$ 1,206.00 |
| Contingency: (% +/-) | 20% | \$ 1,608.00 |
| Estimated Project Cost: | \$ | 8,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|---------------------------------|
| | 3A | 4A | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | | | |
| Curb ramp running slope is greater than 8.33% | | | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | | X | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | | | Remove and replace landing area |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | X | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | |
| No textured surface at base of curb ramp | | | |
| No color contrast at base of curb ramp | | | |
| Landing area does not exist and is needed | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | X | |
| Curb ramp transition onto roadway is greater than 0.25" | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | X | |
| Ponding occurs at base of curb ramp | | X | Fix curb ramp counter slope |
| | | | Fix ponding |



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 90029
 Project Name: Intersection of Saliman Rd and driveway (Lat. 39.1716; Long. -119.751)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-----------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 117 | SF | \$ 6.00 | \$ 702.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 10 | SF | \$ 26.00 | \$ 260.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 10 | SF | \$ 60.00 | \$ 600.00 |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 66 | SF | \$ 2.00 | \$ 132.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-----------------|
| Subtotal: | \$ | 1,694.00 |
| Engineering: (% +/-) | 15% | \$ 559.71 |
| Contingency: (% +/-) | 20% | \$ 746.29 |
| Estimated Project Cost: | \$ | 3,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|---|
| | 1A | 4A | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | | | |
| Curb ramp running slope is greater than 8.33% | | | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | X | | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | X | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | |
| No textured surface at base of curb ramp | X | X | |
| No color contrast at base of curb ramp | X | X | |
| Landing area does not exist and is needed | X | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | |
| Ponding occurs at base of curb ramp | | | |



Ramp 1A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 90030
 Project Name: Intersection of Saliman Rd and driveway (Lat. 39.171; Long. -119.751)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 182 | SF | \$ 6.00 | \$ 1,092.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 132 | SF | \$ 2.00 | \$ 264.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-----------------|
| Subtotal: | \$ | 3,876.00 |
| Engineering: (% +/-) | 15% | \$ 910.29 |
| Contingency: (% +/-) | 20% | \$ 1,213.71 |
| Estimated Project Cost: | \$ | 6,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|---|
| | 1A | 4A | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | | | |
| Curb ramp running slope is greater than 8.33% | | X | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | | | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | | X | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | |
| No textured surface at base of curb ramp | X | X | |
| No color contrast at base of curb ramp | X | X | |
| Landing area does not exist and is needed | X | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | |
| Ponding occurs at base of curb ramp | X | | Fix ponding |



Ramp 1A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 90031
 Project Name: Intersection of Saliman Rd and Seely Lp
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 32 | LF | \$ 32.00 | \$ 1,024.00 |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 130 | SF | \$ 6.00 | \$ 780.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 120 | SF | \$ 2.00 | \$ 240.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 11,084.00 |
| Engineering: (% +/-) | 15% | \$ 1,678.29 |
| Contingency: (% +/-) | 20% | \$ 2,237.71 |
| Estimated Project Cost: | \$ | 15,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|-----|------|-----|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | Good | N/A | Good | N/A | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | N/A | N/A | N/A | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | | N/A | |
| Crosswalk width is less than 6' | | N/A | | N/A | |
| Crosswalk striping condition | Good | N/A | Good | N/A | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | | | Recommendations |
|---|--|----|----|----|----|----|---------------------------------|
| | SF | NF | 1A | 2z | 3A | 4z | |
| Curb ramp does not exist and is needed | | | | | | | |
| Curb ramp does not land in crosswalk | | | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | | | |
| Flare cross slope is greater than 10% | | | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | | | |
| Blended transition running slope is greater than 5% | | | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | | | |
| Curb ramp width is less than 48" | | | | | | | |
| Cut-thru ramp width is less than 60" | | | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | | | |
| No textured surface at base of curb ramp | | | | | | | |
| No color contrast at base of curb ramp | | | | | | | |
| Landing area does not exist and is needed | | | | | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | X | | X | | Remove and replace landing area |
| Curb ramp transition onto roadway is greater than 0.25" | X | | | | | | Fix curb ramp transition |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | X | | Fix curb ramp counter slope |
| Ponding occurs at base of curb ramp | | | X | | X | | Fix ponding |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp South F



Ramp North F



Ramp 1A



Corner 2 No Ramp (2z)



Ramp 3A



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 9
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 90032
 Project Name: Intersection of Saliman Rd and driveway (Lat. 39.1685; Long. -119.751)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 166 | SF | \$ 6.00 | \$ 996.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 0 | SF | \$ 26.00 | \$ - |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 150 | SF | \$ 2.00 | \$ 300.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-----------------|
| Subtotal: | \$ | 3,296.00 |
| Engineering: (% +/-) | 15% | \$ 730.29 |
| Contingency: (% +/-) | 20% | \$ 973.71 |
| Estimated Project Cost: | \$ | 5,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---------------------------------|
| | 1A | 2A | 3A | 4A | |
| Curb ramp does not exist and is needed | | | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | X | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | | | Remove and replace landing area |
| No color contrast at base of curb ramp | | | | | |
| Landing area does not exist and is needed | | | | | Remove and replace landing area |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | X | X | X | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | Fix ponding |
| Ponding occurs at base of curb ramp | X | | | | |



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 90033
 Project Name: Intersection of Saliman Rd and driveway (Lat. 39.168; Long. -119.751)
 City: Carson City

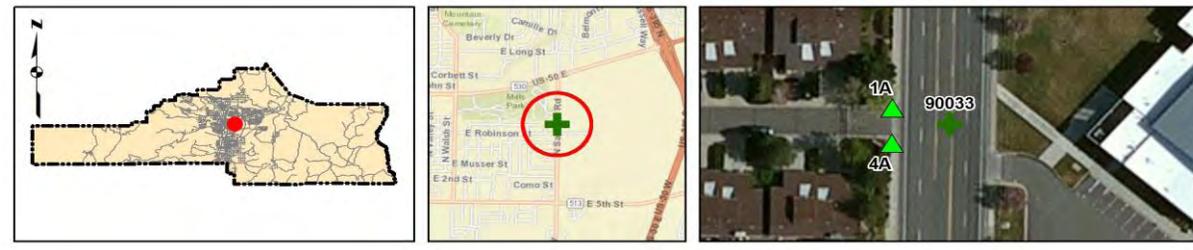
| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 182 | SF | \$ 6.00 | \$ 1,092.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 0 | SF | \$ 26.00 | \$ - |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 174 | SF | \$ 2.00 | \$ 348.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-----------------|
| Subtotal: | \$ | 5,440.00 |
| Engineering: (% +/-) | 15% | \$ 1,097.14 |
| Contingency: (% +/-) | 20% | \$ 1,462.86 |
| Estimated Project Cost: | \$ | 8,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|---|
| | 1A | 4A | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | X | X | |
| Curb ramp running slope is greater than 8.33% | X | X | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | X | X | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | X | X | For intersection ramps and commercial driveway ramps, install color truncated domes |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | Remove and replace landing area |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | |
| No textured surface at base of curb ramp | X | X | Fix ponding |
| No color contrast at base of curb ramp | X | X | |
| Landing area does not exist and is needed | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | X | |
| Curb ramp transition onto roadway is greater than 0.25" | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | |
| Ponding occurs at base of curb ramp | X | X | |



Ramp 1A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 5
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 90034
 Project Name: Intersection of Saliman Rd and Depot St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 464 | SF | \$ 6.00 | \$ 2,784.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 40 | SF | \$ 26.00 | \$ 1,040.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 211 | SF | \$ 2.00 | \$ 422.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 368 | LF | \$ 6.00 | \$ 2,208.00 |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 10,454.00 |
| Engineering: (% +/-) | 15% | \$ 1,948.29 |
| Contingency: (% +/-) | 20% | \$ 2,597.71 |
| Estimated Project Cost: | \$ | 15,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|-----|-------------------------------------|
| | N | E | S | W | |
| Path of travel pavement condition | Good | Good | Good | N/A | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | | N/A | N/A | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | None | None | N/A | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1z | 2A | 3A | 4z | |
| Curb ramp does not exist and is needed | X | | | X | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | X | X | | | Remove and replace curb ramp |
| Curb ramp running slope is greater than 8.33% | X | X | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | X | X | | | |
| No color contrast at base of curb ramp | X | X | | | |
| Landing area does not exist and is needed | X | X | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | X | X | | Fix curb ramp counter slope |
| Ponding occurs at base of curb ramp | | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Corner 1 No Ramp (1z)



Ramp 2A



Ramp 3A



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 90035
 Project Name: Intersection of Saliman Rd and Little Ln
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 348 | SF | \$ 6.00 | \$ 2,088.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 30 | SF | \$ 26.00 | \$ 780.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 150 | SF | \$ 2.00 | \$ 300.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 295 | LF | \$ 6.00 | \$ 1,770.00 |
| --- | REPAVE ROADWAY | 1 | LS | \$ 5,000.00 | \$ 5,000.00 |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 13,938.00 |
| Engineering: (% +/-) | 15% | \$ 2,169.43 |
| Contingency: (% +/-) | 20% | \$ 2,892.57 |
| Estimated Project Cost: | \$ | 19,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|-----|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Dangerous | N/A | Good | Good | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | N/A | N/A | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | None | N/A | None | Good | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---------------------------------|
| | 1A | 2z | 3z | 4A | |
| Curb ramp does not exist and is needed | | X | X | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | X | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | X | | Remove and replace landing area |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | | | |
| No color contrast at base of curb ramp | | | | | |
| Landing area does not exist and is needed | | | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | | X | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | | X | | |
| Ponding occurs at base of curb ramp | | | | | |
| | | | | | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 13
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 90037
 Project Name: Midblock crossing 150' south of Cardinal Way on Saliman Rd (Lat. 39.154; Long. -119.7519)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 0 | SF | \$ 6.00 | \$ - |
| NDOT 6130130 | DETECTABLE WARNINGS | 0 | SF | \$ 26.00 | \$ - |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 0 | SF | \$ 2.00 | \$ - |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 8,000.00 |
| Engineering: (% +/-) | 15% | \$ 1,285.71 |
| Contingency: (% +/-) | 20% | \$ 1,714.29 |
| Estimated Project Cost: | \$ | 11,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|-----|-----|-----|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | Good | N/A | N/A | N/A | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | N/A | N/A | N/A | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | N/A | N/A | N/A | |
| Crosswalk width is less than 6' | | N/A | N/A | N/A | |
| Crosswalk striping condition | Good | N/A | N/A | N/A | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|-----------------------------|
| | 1A | 2A | 3z | 4z | |
| Curb ramp does not exist and is needed | | | | | |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | | | |
| No color contrast at base of curb ramp | | | | | |
| Landing area does not exist and is needed | | | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | X | | | Fix curb ramp counter slope |
| Ponding occurs at base of curb ramp | X | X | | | Fix ponding |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Ramp 2A



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 9
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 90038
 Project Name: Intersection of Saliman Rd and driveway (Lat. 39.1421; Long. -119.7519)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 50 | SF | \$ 6.00 | \$ 300.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 0 | SF | \$ 26.00 | \$ - |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 49 | SF | \$ 2.00 | \$ 98.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-----------------|
| Subtotal: | \$ | 4,398.00 |
| Engineering: (% +/-) | 15% | \$ 686.57 |
| Contingency: (% +/-) | 20% | \$ 915.43 |
| Estimated Project Cost: | \$ | 6,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|---------------------------------|
| | 1A | 4A | |
| Curb ramp does not exist and is needed | | | |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | | | |
| Curb ramp running slope is greater than 8.33% | | | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | | | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | | | |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | |
| No textured surface at base of curb ramp | | | |
| No color contrast at base of curb ramp | | | |
| Landing area does not exist and is needed | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | X | Remove and replace landing area |
| Curb ramp transition onto roadway is greater than 0.25" | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | X | Fix curb ramp counter slope |
| Ponding occurs at base of curb ramp | | X | Fix ponding |



Ramp 1A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 90039
 Project Name: Intersection of Saliman Rd and driveway (Lat. 39.1412; Long. -119.7519)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-----------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 117 | SF | \$ 6.00 | \$ 702.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 10 | SF | \$ 26.00 | \$ 260.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 10 | SF | \$ 60.00 | \$ 600.00 |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 66 | SF | \$ 2.00 | \$ 132.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-----------------|
| Subtotal: | \$ | 1,694.00 |
| Engineering: (% +/-) | 15% | \$ 559.71 |
| Contingency: (% +/-) | 20% | \$ 746.29 |
| Estimated Project Cost: | \$ | 3,000.00 |

Project Location



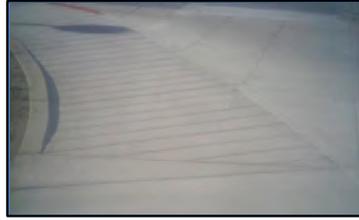
Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|---|
| | 1A | 4A | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | | | |
| Curb ramp running slope is greater than 8.33% | | | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | | | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | X | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | |
| No textured surface at base of curb ramp | X | X | |
| No color contrast at base of curb ramp | X | X | |
| Landing area does not exist and is needed | X | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | |
| Ponding occurs at base of curb ramp | | | |



Ramp 1A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 90040
 Project Name: Intersection of Saliman Rd and driveway (Lat. 39.1417; Long. -119.7519)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-----------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 116 | SF | \$ 6.00 | \$ 696.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 10 | SF | \$ 26.00 | \$ 260.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 10 | SF | \$ 60.00 | \$ 600.00 |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 91 | SF | \$ 2.00 | \$ 182.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-----------------|
| Subtotal: | \$ | 1,738.00 |
| Engineering: (% +/-) | 15% | \$ 540.86 |
| Contingency: (% +/-) | 20% | \$ 721.14 |
| Estimated Project Cost: | \$ | 3,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|--|
| | 1A | 4A | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | | | |
| Curb ramp running slope is greater than 8.33% | | | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | | X | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area Remove and replace landing area |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | |
| No textured surface at base of curb ramp | X | | |
| No color contrast at base of curb ramp | X | | |
| Landing area does not exist and is needed | X | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | X | |
| Curb ramp transition onto roadway is greater than 0.25" | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | |
| Ponding occurs at base of curb ramp | | | |



Ramp 1A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 90041
 Project Name: Intersection of Saliman Rd and driveway (Lat. 39.1553; Long. -119.7519)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 182 | SF | \$ 6.00 | \$ 1,092.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 132 | SF | \$ 2.00 | \$ 264.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-----------------|
| Subtotal: | \$ | 1,876.00 |
| Engineering: (% +/-) | 15% | \$ 481.71 |
| Contingency: (% +/-) | 20% | \$ 642.29 |
| Estimated Project Cost: | \$ | 3,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|---|
| | 2A | 3A | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | X | X | |
| Curb ramp running slope is greater than 8.33% | X | X | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | | | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | X | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | X | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | |
| No textured surface at base of curb ramp | X | X | |
| No color contrast at base of curb ramp | X | X | |
| Landing area does not exist and is needed | X | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | |
| Ponding occurs at base of curb ramp | | | |



Ramp 2A



Ramp 3A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 90042
 Project Name: Intersection of Saliman Rd and driveway (Lat. 39.1598; Long. -119.7509)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 182 | SF | \$ 6.00 | \$ 1,092.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 132 | SF | \$ 2.00 | \$ 264.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-----------------|
| Subtotal: | \$ | 3,876.00 |
| Engineering: (% +/-) | 15% | \$ 910.29 |
| Contingency: (% +/-) | 20% | \$ 1,213.71 |
| Estimated Project Cost: | \$ | 6,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|---|
| | 2A | 3A | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | X | X | |
| Curb ramp running slope is greater than 8.33% | X | X | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | | | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | X | X | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | X | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | |
| No textured surface at base of curb ramp | X | X | |
| No color contrast at base of curb ramp | X | X | |
| Landing area does not exist and is needed | X | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | | |
| Ponding occurs at base of curb ramp | | | Fix curb ramp counter slope |



Ramp 2A



Ramp 3A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 90043
 Project Name: Intersection of Saliman Rd and driveway (Lat. 39.1605; Long. -119.751)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 182 | SF | \$ 6.00 | \$ 1,092.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 132 | SF | \$ 2.00 | \$ 264.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 7,876.00 |
| Engineering: (% +/-) | 15% | \$ 1,338.86 |
| Contingency: (% +/-) | 20% | \$ 1,785.14 |
| Estimated Project Cost: | \$ | 11,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|---|
| | 2A | 3A | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | X | X | |
| Curb ramp running slope is greater than 8.33% | X | X | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | X | X | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | X | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | X | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | |
| No textured surface at base of curb ramp | X | X | |
| No color contrast at base of curb ramp | X | X | |
| Landing area does not exist and is needed | X | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | | |
| Ponding occurs at base of curb ramp | X | X | Fix ponding |



Ramp 2A



Ramp 3A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 90044
 Project Name: Intersection of Saliman Rd and driveway (Lat. 39.1659; Long. -119.751)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 182 | SF | \$ 6.00 | \$ 1,092.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 171 | SF | \$ 2.00 | \$ 342.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 0 | LS | \$ 2,000.00 | \$ - |
| --- | FIX CURB RAMP TRANSITION | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 7,954.00 |
| Engineering: (% +/-) | 15% | \$ 1,305.43 |
| Contingency: (% +/-) | 20% | \$ 1,740.57 |
| Estimated Project Cost: | \$ | 11,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|---|
| | 2A | 3A | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | X | X | |
| Curb ramp running slope is greater than 8.33% | X | X | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | X | X | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | X | X | For intersection ramps and commercial driveway ramps, install color truncated domes |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | X | X | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | X | X | |
| No textured surface at base of curb ramp | X | X | |
| No color contrast at base of curb ramp | X | X | |
| Landing area does not exist and is needed | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | X | |
| Curb ramp transition onto roadway is greater than 0.25" | X | X | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | X | |
| Ponding occurs at base of curb ramp | | | Fix curb ramp counter slope |



Ramp 2A



Ramp 3A

Opinion of Probable Construction Cost Disclaimer:

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Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 90045
 Project Name: Intersection of Saliman Rd and driveway (Lat. 39.1696; Long. -119.751)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 182 | SF | \$ 6.00 | \$ 1,092.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 132 | SF | \$ 2.00 | \$ 264.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-----------------|
| Subtotal: | \$ | 5,876.00 |
| Engineering: (% +/-) | 15% | \$ 910.29 |
| Contingency: (% +/-) | 20% | \$ 1,213.71 |
| Estimated Project Cost: | \$ | 8,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|---|
| | 2A | 3A | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | X | X | |
| Curb ramp running slope is greater than 8.33% | X | X | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | X | X | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | | X | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | |
| No textured surface at base of curb ramp | X | X | |
| No color contrast at base of curb ramp | X | X | |
| Landing area does not exist and is needed | X | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | X | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | |
| Ponding occurs at base of curb ramp | | X | Fix curb ramp transition |
| | | | Fix ponding |



Ramp 2A



Ramp 3A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: Saliman Rd GPS ID: 90046
 Project Name: Intersection of Saliman Rd and driveway (Lat. 39.1709; Long. -119.751)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 182 | SF | \$ 6.00 | \$ 1,092.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 132 | SF | \$ 2.00 | \$ 264.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 11,876.00 |
| Engineering: (% +/-) | 15% | \$ 2,196.00 |
| Contingency: (% +/-) | 20% | \$ 2,928.00 |
| Estimated Project Cost: | \$ | 17,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|---|
| | 2A | 3A | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | X | X | |
| Curb ramp running slope is greater than 8.33% | X | X | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | X | X | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | | | For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | |
| No textured surface at base of curb ramp | X | X | |
| No color contrast at base of curb ramp | X | X | |
| Landing area does not exist and is needed | X | X | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | |
| Curb ramp transition onto roadway is greater than 0.25" | X | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | X | |
| Ponding occurs at base of curb ramp | X | X | Fix curb ramp transition Fix curb ramp counter slope Fix ponding |



Ramp 2A



Ramp 3A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 5
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: College Pkwy (East Segment) GPS ID: 90057
 Project Name: Intersection of College Pkwy (East Segment) and Otha St
 City: Carson City

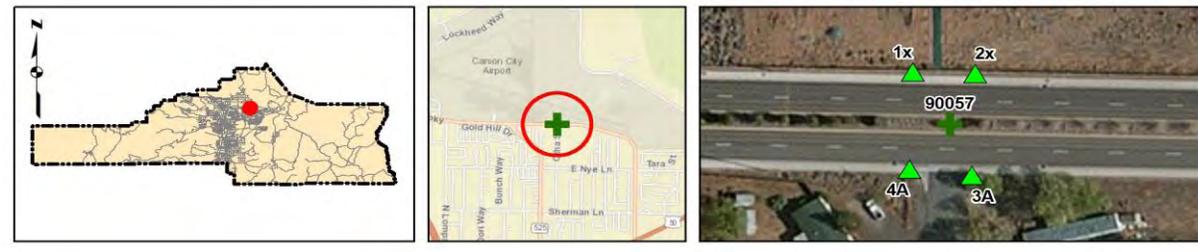
| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 273 | SF | \$ 6.00 | \$ 1,638.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 30 | SF | \$ 26.00 | \$ 780.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 163 | SF | \$ 2.00 | \$ 326.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 218 | LF | \$ 6.00 | \$ 1,308.00 |
| --- | REPAVE ROADWAY | 2 | LS | \$ 5,000.00 | \$ 10,000.00 |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 16,052.00 |
| Engineering: (% +/-) | 15% | \$ 2,549.14 |
| Contingency: (% +/-) | 20% | \$ 3,398.86 |
| Estimated Project Cost: | \$ | 22,000.00 |

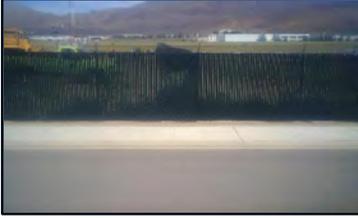
Project Location



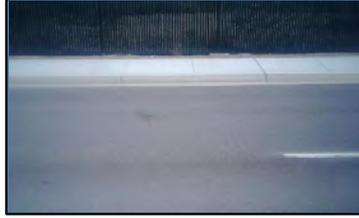
Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|-----|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | N/A | N/A | Poor | Poor | Repare roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | N/A | | N/A | |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | N/A | N/A | N/A | |
| Crosswalk width is less than 6' | N/A | N/A | N/A | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | N/A | N/A | None | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1z | 2z | 3A | 4A | |
| Curb ramp does not exist and is needed | X | | | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | | | | X | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | X | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | X | X | | For intersection ramps and commercial driveway ramps, install color truncated domes |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | X | X | | |
| No textured surface at base of curb ramp | | X | X | | |
| No color contrast at base of curb ramp | | X | X | | Remove and replace landing area |
| Landing area does not exist and is needed | | | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | | X | X | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | Fix ponding |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | | | X | | |



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 5
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: College Pkwy (East Segment) GPS ID: 90058
 Project Name: Intersection of College Pkwy (East Segment) and Graves Ln
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 116 | SF | \$ 6.00 | \$ 696.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 10 | SF | \$ 26.00 | \$ 260.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 10 | SF | \$ 60.00 | \$ 600.00 |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 111 | SF | \$ 2.00 | \$ 222.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 208 | LF | \$ 6.00 | \$ 1,248.00 |
| --- | REPAVE ROADWAY | 2 | LS | \$ 5,000.00 | \$ 10,000.00 |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 1 | LS | \$ 500.00 | \$ 500.00 |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 17,526.00 |
| Engineering: (% +/-) | 15% | \$ 2,774.57 |
| Contingency: (% +/-) | 20% | \$ 3,699.43 |
| Estimated Project Cost: | \$ | 24,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|-----|-----|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | Dangerous | N/A | N/A | Good | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | N/A | N/A | N/A | |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | N/A | N/A | N/A | |
| Crosswalk width is less than 6' | | N/A | N/A | N/A | Remove and replace crosswalk pavement markings |
| Crosswalk striping condition | Worn | N/A | N/A | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1A | 2A | 3z | 4z | |
| Curb ramp does not exist and is needed | | | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | X | | | |
| Curb ramp running slope is greater than 8.33% | | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | X | | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | Remove temporary obstruction |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | X | | | For intersection ramps and commercial driveway ramps, install color truncated domes |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | X | X | | | |
| No textured surface at base of curb ramp | X | X | | | |
| No color contrast at base of curb ramp | X | X | | | Remove and replace landing area |
| Landing area does not exist and is needed | | | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | X | | | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | X | X | | | Fix ponding |



Ramp 1A



Ramp 2A



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 2
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: King's Canyon Rd GPS ID: 90059
 Project Name: Intersection of King's Canyon Rd and Thompson St
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|--------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 182 | SF | \$ 6.00 | \$ 1,092.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 91 | SF | \$ 2.00 | \$ 182.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 314 | LF | \$ 6.00 | \$ 1,884.00 |
| --- | REPAVE ROADWAY | 3 | LS | \$ 5,000.00 | \$ 15,000.00 |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 22,678.00 |
| Engineering: (% +/-) | 15% | \$ 3,566.57 |
| Contingency: (% +/-) | 20% | \$ 4,755.43 |
| Estimated Project Cost: | \$ | 31,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|------|------|------|--|
| | N | E | S | W | |
| Path of travel pavement condition | N/A | Poor | Poor | Poor | Repave roadway and install crosswalk pavement markings |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | N/A | N/A | | N/A | Install crosswalk pavement markings |
| Path of travel cross slope is greater than 5% for free-flow approaches | N/A | | N/A | N/A | |
| Crosswalk width is less than 6' | N/A | | | N/A | Install crosswalk pavement markings |
| Crosswalk striping condition | N/A | Good | Good | None | |

| Curb Ramp Issues | Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | 1z | 2z | 3z | 4A | |
| Curb ramp does not exist and is needed | X | | | | Install curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | Remove and replace curb ramp |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | X | |
| Curb ramp running slope is greater than 8.33% | | | | X | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | | | | X | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | | | For intersection ramps and commercial driveway ramps, install color truncated domes |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | | | |
| No textured surface at base of curb ramp | | | | X | Remove and replace landing area |
| No color contrast at base of curb ramp | | | | X | |
| Landing area does not exist and is needed | | | | | Fix curb ramp counter slope |
| Landing area is less than 5' x 5' or slopes greater than 2% | | | | X | |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | Fix ponding |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | X | |
| Ponding occurs at base of curb ramp | | | | X | |

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 5
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: College Pkwy (North-South Segment) GPS ID: 90062
 Project Name: Intersection of College Pkwy (North-South Segment) and driveway (Lat. 39.1809; Long. -119.7239)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 273 | SF | \$ 6.00 | \$ 1,638.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 30 | SF | \$ 26.00 | \$ 780.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 10 | SF | \$ 60.00 | \$ 600.00 |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 247 | SF | \$ 2.00 | \$ 494.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 2 | LS | \$ 2,000.00 | \$ 4,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 1 | LS | \$ 500.00 | \$ 500.00 |
| --- | FIX CURB RAMP COUNTER SLOPE | 0 | LS | \$ 2,000.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|------------------|
| Subtotal: | \$ | 8,012.00 |
| Engineering: (% +/-) | 15% | \$ 1,280.57 |
| Contingency: (% +/-) | 20% | \$ 1,707.43 |
| Estimated Project Cost: | \$ | 11,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | | | Recommendations |
|---|--|----|----|----|---|
| | WF | WG | 1A | 4A | |
| Curb ramp does not exist and is needed | | | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | | | |
| No 4' x 4' clear space at base of curb ramp | | | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | | | |
| Flare cross slope is greater than 10% | | | | | |
| Curb ramp running slope is greater than 8.33% | X | | | | |
| Blended transition running slope is greater than 5% | | | | | |
| Cut-thru ramp running slope is greater than 5% | | | | | |
| Curb ramp cross slope is greater than 2% | X | X | X | | |
| Cut-thru ramp cross slope is greater than 2% | | | | | |
| Curb ramp width is less than 48" | | | | | Remove temporary obstruction |
| Cut-thru ramp width is less than 60" | | | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | X | | | Remove temporary obstruction For intersection ramps and commercial driveway ramps, install color truncated domes |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | X | | | |
| No textured surface at base of curb ramp | X | X | X | X | Remove and replace landing area |
| No color contrast at base of curb ramp | X | X | X | X | |
| Landing area does not exist and is needed | | | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | X | X | | Remove and replace landing area |
| Curb ramp transition onto roadway is greater than 0.25" | | | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | | | | | |
| Ponding occurs at base of curb ramp | | X | X | | Fix ponding |



Ramp West F



Ramp West G



Ramp 1A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

Kimley-Horn and Associates, Inc. Priority: 5
 Project Description for Unsignalized Intersection

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor: College Pkwy (North-South Segment) GPS ID: 90063
 Project Name: Intersection of College Pkwy (North-South Segment) and driveway (Lat. 39.1794; Long. -119.7238)
 City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|---|----------|------|-------------|-------------|
| NDOT 2030140 | ROADWAY EXCAVATION | 0 | CY | \$ 9.00 | \$ - |
| NDOT 6130240 | CLASS AA CONCRETE CURB (TYPE 2) | 0 | LF | \$ 32.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 182 | SF | \$ 6.00 | \$ 1,092.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 20 | SF | \$ 26.00 | \$ 520.00 |
| --- | TACTILE WARNING DEVICE - RETROFIT | 0 | SF | \$ 60.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 147 | SF | \$ 2.00 | \$ 294.00 |
| NDOT 2021290 | REMOVE PAVEMENT MARKINGS | 0 | LF | \$ 1.00 | \$ - |
| NDOT 6340410 | PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES) | 0 | LF | \$ 6.00 | \$ - |
| --- | REPAVE ROADWAY | 0 | LS | \$ 5,000.00 | \$ - |
| --- | FIX PONDING | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |
| --- | FIX CURB RAMP TRANSITION | 0 | LS | \$ 2,000.00 | \$ - |
| --- | MEDIAN NOSE MODIFICATION | 0 | LS | \$ 5,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 0 | LS | \$ 500.00 | \$ - |
| --- | FIX CURB RAMP COUNTER SLOPE | 1 | LS | \$ 2,000.00 | \$ 2,000.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-----------------|
| Subtotal: | \$ | 5,906.00 |
| Engineering: (% +/-) | 15% | \$ 897.43 |
| Contingency: (% +/-) | 20% | \$ 1,196.57 |
| Estimated Project Cost: | \$ | 8,000.00 |

Project Location



Field Observations

| Intersection Issues | Crosswalk | | | | Recommendations |
|---|-----------|---|---|---|-----------------|
| | N | E | S | W | |
| Path of travel pavement condition | | | | | |
| Path of travel running slope is greater than 5% | | | | | |
| Path of travel cross slope is greater than 2% for stop control approaches | | | | | |
| Path of travel cross slope is greater than 5% for free-flow approaches | | | | | |
| Crosswalk width is less than 6' | | | | | |
| Crosswalk striping condition | | | | | |

| Curb Ramp Issues | Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp) | | Recommendations |
|---|--|----|---|
| | 1A | 4A | |
| Curb ramp does not exist and is needed | | | Remove and replace curb ramp |
| Curb ramp does not land in crosswalk | | | |
| No 4' x 4' clear space at base of curb ramp | | | |
| Curbed side is not 90° or has traversable adjacent surface | | | |
| Flare cross slope is greater than 10% | | | |
| Curb ramp running slope is greater than 8.33% | X | X | |
| Blended transition running slope is greater than 5% | | | |
| Cut-thru ramp running slope is greater than 5% | | | |
| Curb ramp cross slope is greater than 2% | X | X | |
| Cut-thru ramp cross slope is greater than 2% | | | |
| Curb ramp width is less than 48" | X | X | For intersection ramps and commercial driveway ramps, install color truncated domes |
| Cut-thru ramp width is less than 60" | | | |
| Permanent obstruction (>0.25") in curb ramp/landing/flares | | | |
| Temporary obstruction (>0.25") in curb ramp/landing/flares | | | |
| No textured surface at base of curb ramp | X | X | |
| No color contrast at base of curb ramp | X | X | |
| Landing area does not exist and is needed | | | |
| Landing area is less than 5' x 5' or slopes greater than 2% | X | X | |
| Curb ramp transition onto roadway is greater than 0.25" | | | |
| Counter slope of the gutter or street at the foot of the curb ramp is greater than 5% | X | | |
| Ponding occurs at base of curb ramp | | X | Fix curb ramp counter slope |
| | | | Fix ponding |



Ramp 1A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013, DigitalGlobe, GeoEye, i-cubed, USDA, AEX, Getmapping, Aerogrip, IGN, IGP, swisstopo, and the GIS User Community

City of Carson City
ADA Self-Evaluation and Transition Plan Update
Sidewalk Cost Projection Summary
2/13/2015

| GPS ID | Project Name | Sidewalk Cost Projection | Unsignalized Intersection Project Cost | Total Project Cost |
|---------------|------------------------------------|---------------------------------|---|---------------------------|
| 1 | College Pkwy (East Segment) | \$ 671,000.00 | \$ 321,000.00 | \$ 992,000.00 |
| 2 | College Pkwy (West Segment) | \$ 416,000.00 | \$ 213,000.00 | \$ 629,000.00 |
| 3 | Nye Lane | \$ 463,000.00 | \$ 317,000.00 | \$ 780,000.00 |
| 4 | Sherman Lane | \$ 422,000.00 | \$ 412,000.00 | \$ 834,000.00 |
| 5 | Lompa Lane | \$ 343,000.00 | \$ 188,000.00 | \$ 531,000.00 |
| 6 | Winnie Lane | \$ 520,000.00 | \$ 245,000.00 | \$ 765,000.00 |
| 7 | Mountain St | \$ 488,000.00 | \$ 473,000.00 | \$ 961,000.00 |
| 8 | Division St | \$ 486,000.00 | \$ 863,000.00 | \$ 1,349,000.00 |
| 9 | King's Canyon Rd | \$ 336,000.00 | \$ 554,000.00 | \$ 890,000.00 |
| 10 | Robinson St | \$ 473,000.00 | \$ 469,000.00 | \$ 942,000.00 |
| 11 | Musser St | \$ 268,000.00 | \$ 460,000.00 | \$ 728,000.00 |
| 12 | Stewart Ave | \$ 373,000.00 | \$ 305,000.00 | \$ 678,000.00 |
| 13 | Saliman Rd | \$ 1,137,000.00 | \$ 712,000.00 | \$ 1,849,000.00 |
| 14 | Silver Sage Dr | \$ 334,000.00 | \$ 629,000.00 | \$ 963,000.00 |
| 19 | College Pkwy (North-South Segment) | \$ 325,000.00 | \$ 19,000.00 | \$ 344,000.00 |
| | | | | |
| | TOTAL | \$ 7,055,000.00 | \$ 6,180,000.00 | \$ 13,235,000.00 |

Kimley-Horn and Associates, Inc.
Project Description for Sidewalk Corridor

Client: City of Carson City
Program: ADA Self-Evaluation and Transition Plan
KHA No.: 092775000

Date: 02/13/15
Prepared By: EPE
Checked By: SRA

Corridor: College Pkwy (East Segment) **GPS ID: 1**
Limits: US Hwy 395 - 400' East of Dale Dr
City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|-------------------------------------|----------|--------|--------------|---------------|
| NDOT 5060860 | HAND RAIL | 0 | LF | \$ 250.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 57886 | SF | \$ 6.00 | \$ 347,316.00 |
| NDOT 6131270 | CLASS AA CONCRETE DRIVEWAY (6-INCH) | 736 | SF | \$ 7.00 | \$ 5,152.00 |
| --- | REMOVAL OF CONCRETE DRIVEWAY | 736 | SF | \$ 1.00 | \$ 736.00 |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 50837 | SF | \$ 2.00 | \$ 101,674.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 0 | SF | \$ 26.00 | \$ - |
| --- | PRE-FAB RAILROAD PLATES | 0 | LS | \$ 36,000.00 | \$ - |
| --- | BITUMINOUS DRIVEWAY | 3036 | SF | \$ 4.00 | \$ 12,144.00 |
| NDOT 6091040 | STRUCTURAL STEEL GRATES | 1 | EA | \$ 1,300.00 | \$ 1,300.00 |
| NDOT 2020715 | RESET FIRE HYDRANT ASSEMBLY | 0 | EA | \$ 3,000.00 | \$ - |
| --- | ADJUST UTILITY ELEVATION | 3 | LS | \$ 1,000.00 | \$ 3,000.00 |
| --- | REMOVE OBSTRUCTION | 4 | LS | \$ 1,000.00 | \$ 4,000.00 |
| --- | REMOVE TEMPORARY OBSTRUCTION | 36 | LS | \$ 500.00 | \$ 18,000.00 |
| --- | RAILROAD COMPANY FLAGGER | 0 | Day(s) | \$ 1,000.00 | \$ - |
| --- | REMOVE ASPHALT DRIVEWAY | 3036 | SF | \$ 1.00 | \$ 3,036.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-------------------|
| Subtotal: | \$ | 496,358.00 |
| Engineering: (% +/-) | 15% | \$ 74,846.57 |
| Contingency: (% +/-) | 20% | \$ 99,795.43 |
| Estimated Project Cost: | \$ | 671,000.00 |

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Sidewalk Summary

| Priority | Length (LF) | Cost |
|-----------------------|---------------|----------------------|
| High | 4,733 | \$ 269,991.81 |
| Medium | 7,659 | \$ 391,549.57 |
| Low | 411 | \$ 8,526.17 |
| Compliant | 3,451 | |
| Not Prioritized | 0 | |
| Sidewalk Total | 16,254 | \$ 670,067.55 |

Corridor Summary

| Facility | Cost |
|---------------------------------|----------------------|
| Sidewalk Total | \$ 671,000.00 |
| Unsignalized Intersection Total | \$ 321,000.00 |
| Corridor Total | \$ 992,000.00 |

End of Project Description for Project 1 College Pkwy (East Segment)

Kimley-Horn and Associates, Inc.
Project Description for Sidewalk Corridor

Client: City of Carson City
Program: ADA Self-Evaluation and Transition Plan
KHA No.: 092775000

Date: 02/13/15
Prepared By: EPE
Checked By: SRA

Corridor: College Pkwy (West Segment)
Limits: Carson St - Retail Dr 750' East of Roop St
City: Carson City

GPS ID: 2

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|-------------------------------------|----------|--------|--------------|---------------|
| NDOT 5060860 | HAND RAIL | 0 | LF | \$ 250.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 34762 | SF | \$ 6.00 | \$ 208,572.00 |
| NDOT 6131270 | CLASS AA CONCRETE DRIVEWAY (6-INCH) | 285 | SF | \$ 7.00 | \$ 1,995.00 |
| --- | REMOVAL OF CONCRETE DRIVEWAY | 285 | SF | \$ 1.00 | \$ 285.00 |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 30082 | SF | \$ 2.00 | \$ 60,164.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 0 | SF | \$ 26.00 | \$ - |
| --- | PRE-FAB RAILROAD PLATES | 0 | LS | \$ 36,000.00 | \$ - |
| --- | BITUMINOUS DRIVEWAY | 2253 | SF | \$ 4.00 | \$ 9,012.00 |
| NDOT 6091040 | STRUCTURAL STEEL GRATES | 1 | EA | \$ 1,300.00 | \$ 1,300.00 |
| NDOT 2020715 | RESET FIRE HYDRANT ASSEMBLY | 0 | EA | \$ 3,000.00 | \$ - |
| --- | ADJUST UTILITY ELEVATION | 2 | LS | \$ 1,000.00 | \$ 2,000.00 |
| --- | REMOVE OBSTRUCTION | 8 | LS | \$ 1,000.00 | \$ 8,000.00 |
| --- | REMOVE TEMPORARY OBSTRUCTION | 29 | LS | \$ 500.00 | \$ 14,500.00 |
| --- | RAILROAD COMPANY FLAGGER | 0 | Day(s) | \$ 1,000.00 | \$ - |
| --- | REMOVE ASPHALT DRIVEWAY | 2253 | SF | \$ 1.00 | \$ 2,253.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-------------------|
| Subtotal: | \$ | 308,081.00 |
| Engineering: (% +/-) | 15% | \$ 46,251.00 |
| Contingency:(% +/-) | 20% | \$ 61,668.00 |
| Estimated Project Cost: | \$ | 416,000.00 |

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Sidewalk Summary

| Priority | Length (LF) | Cost |
|-----------------------|--------------|----------------------|
| High | 3,183 | \$ 219,006.46 |
| Medium | 3,028 | \$ 168,121.40 |
| Low | 564 | \$ 28,767.72 |
| Compliant | 2,169 | |
| Not Prioritized | 0 | |
| Sidewalk Total | 8,944 | \$ 415,895.58 |

Corridor Summary

| Facility | Cost |
|---------------------------------|----------------------|
| Sidewalk Total | \$ 416,000.00 |
| Unsignalized Intersection Total | \$ 213,000.00 |
| Corridor Total | \$ 629,000.00 |

End of Project Description for Project 2 College Pkwy (West Segment)

Kimley-Horn and Associates, Inc.
Project Description for Sidewalk Corridor

Client: City of Carson City
Program: ADA Self-Evaluation and Transition Plan
KHA No.: 092775000

Date: 02/13/15
Prepared By: EPE
Checked By: SRA

Corridor: Nye Lane
Limits: Lompa Ln - College Pkwy
City: Carson City

GPS ID: 3

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|-------------------------------------|----------|--------|--------------|---------------|
| NDOT 5060860 | HAND RAIL | 31 | LF | \$ 250.00 | \$ 7,750.00 |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 38116 | SF | \$ 6.00 | \$ 228,696.00 |
| NDOT 6131270 | CLASS AA CONCRETE DRIVEWAY (6-INCH) | 7082 | SF | \$ 7.00 | \$ 49,574.00 |
| --- | REMOVAL OF CONCRETE DRIVEWAY | 7082 | SF | \$ 1.00 | \$ 7,082.00 |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 10547 | SF | \$ 2.00 | \$ 21,094.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 0 | SF | \$ 26.00 | \$ - |
| --- | PRE-FAB RAILROAD PLATES | 0 | LS | \$ 36,000.00 | \$ - |
| --- | BITUMINOUS DRIVEWAY | 1706 | SF | \$ 4.00 | \$ 6,824.00 |
| NDOT 6091040 | STRUCTURAL STEEL GRATES | 0 | EA | \$ 1,300.00 | \$ - |
| NDOT 2020715 | RESET FIRE HYDRANT ASSEMBLY | 0 | EA | \$ 3,000.00 | \$ - |
| --- | ADJUST UTILITY ELEVATION | 0 | LS | \$ 1,000.00 | \$ - |
| --- | REMOVE OBSTRUCTION | 7 | LS | \$ 1,000.00 | \$ 7,000.00 |
| --- | REMOVE TEMPORARY OBSTRUCTION | 26 | LS | \$ 500.00 | \$ 13,000.00 |
| --- | RAILROAD COMPANY FLAGGER | 0 | Day(s) | \$ 1,000.00 | \$ - |
| --- | REMOVE ASPHALT DRIVEWAY | 1706 | SF | \$ 1.00 | \$ 1,706.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-------------------|
| Subtotal: | \$ | 342,726.00 |
| Engineering: (% +/-) | 15% | \$ 51,546.00 |
| Contingency: (% +/-) | 20% | \$ 68,728.00 |
| Estimated Project Cost: | \$ | 463,000.00 |

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Sidewalk Summary

| Priority | Length (LF) | Cost |
|-----------------------|---------------|----------------------|
| High | 2,605 | \$ 197,773.14 |
| Medium | 1,136 | \$ 52,166.27 |
| Low | 5,562 | \$ 212,460.57 |
| Compliant | 1,525 | |
| Not Prioritized | 0 | |
| Sidewalk Total | 10,828 | \$ 462,399.98 |

Corridor Summary

| Facility | Cost |
|---------------------------------|----------------------|
| Sidewalk Total | \$ 463,000.00 |
| Unsignalized Intersection Total | \$ 317,000.00 |
| Corridor Total | \$ 780,000.00 |

End of Project Description for Project 3 Nye Lane

Kimley-Horn and Associates, Inc.
Project Description for Sidewalk Corridor

Client: City of Carson City **Date:** 02/13/15
Program: ADA Self-Evaluation and Transition Plan **Prepared By:** EPE
KHA No.: 092775000 **Checked By:** SRA

Corridor: Sherman Lane **GPS ID:** 4
Limits: Lompa Ln - College Pkwy
City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|-------------------------------------|----------|--------|--------------|---------------|
| NDOT 5060860 | HAND RAIL | 0 | LF | \$ 250.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 39665 | SF | \$ 6.00 | \$ 237,990.00 |
| NDOT 6131270 | CLASS AA CONCRETE DRIVEWAY (6-INCH) | 0 | SF | \$ 7.00 | \$ - |
| --- | REMOVAL OF CONCRETE DRIVEWAY | 0 | SF | \$ 1.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 14180 | SF | \$ 2.00 | \$ 28,360.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 0 | SF | \$ 26.00 | \$ - |
| --- | PRE-FAB RAILROAD PLATES | 0 | LS | \$ 36,000.00 | \$ - |
| --- | BITUMINOUS DRIVEWAY | 5315 | SF | \$ 4.00 | \$ 21,260.00 |
| NDOT 6091040 | STRUCTURAL STEEL GRATES | 0 | EA | \$ 1,300.00 | \$ - |
| NDOT 2020715 | RESET FIRE HYDRANT ASSEMBLY | 0 | EA | \$ 3,000.00 | \$ - |
| --- | ADJUST UTILITY ELEVATION | 2 | LS | \$ 1,000.00 | \$ 2,000.00 |
| --- | REMOVE OBSTRUCTION | 4 | LS | \$ 1,000.00 | \$ 4,000.00 |
| --- | REMOVE TEMPORARY OBSTRUCTION | 27 | LS | \$ 500.00 | \$ 13,500.00 |
| --- | RAILROAD COMPANY FLAGGER | 0 | Day(s) | \$ 1,000.00 | \$ - |
| --- | REMOVE ASPHALT DRIVEWAY | 5315 | SF | \$ 1.00 | \$ 5,315.00 |

| | | | | |
|-------------------------------------|---------------------|--------------------------------|-----------|-------------------|
| Basis for Cost Projection | | Subtotal: | \$ | 312,425.00 |
| <input checked="" type="checkbox"/> | No Design Completed | Engineering: (% +/-) | 15% | \$ 46,960.71 |
| <input type="checkbox"/> | Preliminary Design | Contingency:(% +/-) | 20% | \$ 62,614.29 |
| <input type="checkbox"/> | Final Design | Estimated Project Cost: | \$ | 422,000.00 |

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Sidewalk Summary

| Priority | Length (LF) | Cost |
|-----------------------|---------------|----------------------|
| High | 2,857 | \$ 161,933.99 |
| Medium | 1,272 | \$ 59,116.46 |
| Low | 5,247 | \$ 200,719.62 |
| Compliant | 1,343 | |
| Not Prioritized | 0 | |
| Sidewalk Total | 10,719 | \$ 421,770.06 |

Corridor Summary

| Facility | Cost |
|---------------------------------|----------------------|
| Sidewalk Total | \$ 422,000.00 |
| Unsignalized Intersection Total | \$ 412,000.00 |
| Corridor Total | \$ 834,000.00 |

End of Project Description for Project 4 Sherman Lane

Kimley-Horn and Associates, Inc.
Project Description for Sidewalk Corridor

Client: City of Carson City
Program: ADA Self-Evaluation and Transition Plan
KHA No.: 092775000

Date: 02/13/15
Prepared By: EPE
Checked By: SRA

Corridor: Lompa Lane **GPS ID: 5**
Limits: College Pkwy - Carmine St
City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|-------------------------------------|----------|--------|--------------|---------------|
| NDOT 5060860 | HAND RAIL | 0 | LF | \$ 250.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 34405 | SF | \$ 6.00 | \$ 206,430.00 |
| NDOT 6131270 | CLASS AA CONCRETE DRIVEWAY (6-INCH) | 0 | SF | \$ 7.00 | \$ - |
| --- | REMOVAL OF CONCRETE DRIVEWAY | 0 | SF | \$ 1.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 16717 | SF | \$ 2.00 | \$ 33,434.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 0 | SF | \$ 26.00 | \$ - |
| --- | PRE-FAB RAILROAD PLATES | 0 | LS | \$ 36,000.00 | \$ - |
| --- | BITUMINOUS DRIVEWAY | 1284 | SF | \$ 4.00 | \$ 5,136.00 |
| NDOT 6091040 | STRUCTURAL STEEL GRATES | 0 | EA | \$ 1,300.00 | \$ - |
| NDOT 2020715 | RESET FIRE HYDRANT ASSEMBLY | 1 | EA | \$ 3,000.00 | \$ 3,000.00 |
| --- | ADJUST UTILITY ELEVATION | 1 | LS | \$ 1,000.00 | \$ 1,000.00 |
| --- | REMOVE OBSTRUCTION | 0 | LS | \$ 1,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 7 | LS | \$ 500.00 | \$ 3,500.00 |
| --- | RAILROAD COMPANY FLAGGER | 0 | Day(s) | \$ 1,000.00 | \$ - |
| --- | REMOVE ASPHALT DRIVEWAY | 1284 | SF | \$ 1.00 | \$ 1,284.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-------------------|
| Subtotal: | \$ | 253,784.00 |
| Engineering: (% +/-) | 15% | \$ 38,235.43 |
| Contingency:(% +/-) | 20% | \$ 50,980.57 |
| Estimated Project Cost: | \$ | 343,000.00 |

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Sidewalk Summary

| Priority | Length (LF) | Cost |
|-----------------------|--------------|----------------------|
| High | 1,209 | \$ 67,851.54 |
| Medium | 2,972 | \$ 156,425.46 |
| Low | 3,020 | \$ 118,330.20 |
| Compliant | 1,145 | |
| Not Prioritized | 0 | |
| Sidewalk Total | 8,346 | \$ 342,607.20 |

Corridor Summary

| Facility | Cost |
|---------------------------------|----------------------|
| Sidewalk Total | \$ 343,000.00 |
| Unsignalized Intersection Total | \$ 188,000.00 |
| Corridor Total | \$ 531,000.00 |

End of Project Description for Project 5 Lompa Lane

Kimley-Horn and Associates, Inc.
Project Description for Sidewalk Corridor

Client: City of Carson City
Program: ADA Self-Evaluation and Transition Plan
KHA No.: 092775000

Date: 02/13/15
Prepared By: EPE
Checked By: SRA

Corridor: Winnie Lane **GPS ID: 6**
Limits: Ormsby Blvd - Roop St
City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|-------------------------------------|----------|--------|--------------|---------------|
| NDOT 5060860 | HAND RAIL | 0 | LF | \$ 250.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 46192 | SF | \$ 6.00 | \$ 277,152.00 |
| NDOT 6131270 | CLASS AA CONCRETE DRIVEWAY (6-INCH) | 458 | SF | \$ 7.00 | \$ 3,206.00 |
| --- | REMOVAL OF CONCRETE DRIVEWAY | 458 | SF | \$ 1.00 | \$ 458.00 |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 34045 | SF | \$ 2.00 | \$ 68,090.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 0 | SF | \$ 26.00 | \$ - |
| --- | PRE-FAB RAILROAD PLATES | 0 | LS | \$ 36,000.00 | \$ - |
| --- | BITUMINOUS DRIVEWAY | 1391 | SF | \$ 4.00 | \$ 5,564.00 |
| NDOT 6091040 | STRUCTURAL STEEL GRATES | 0 | EA | \$ 1,300.00 | \$ - |
| NDOT 2020715 | RESET FIRE HYDRANT ASSEMBLY | 0 | EA | \$ 3,000.00 | \$ - |
| --- | ADJUST UTILITY ELEVATION | 4 | LS | \$ 1,000.00 | \$ 4,000.00 |
| --- | REMOVE OBSTRUCTION | 4 | LS | \$ 1,000.00 | \$ 4,000.00 |
| --- | REMOVE TEMPORARY OBSTRUCTION | 42 | LS | \$ 500.00 | \$ 21,000.00 |
| --- | RAILROAD COMPANY FLAGGER | 0 | Day(s) | \$ 1,000.00 | \$ - |
| --- | REMOVE ASPHALT DRIVEWAY | 1391 | SF | \$ 1.00 | \$ 1,391.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-------------------|
| Subtotal: | \$ | 384,861.00 |
| Engineering: (% +/-) | 15% | \$ 57,916.71 |
| Contingency: (% +/-) | 20% | \$ 77,222.29 |
| Estimated Project Cost: | \$ | 520,000.00 |

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Sidewalk Summary

| Priority | Length (LF) | Cost |
|-----------------------|---------------|----------------------|
| High | 5,293 | \$ 310,895.20 |
| Medium | 2,026 | \$ 134,644.28 |
| Low | 2,192 | \$ 74,010.83 |
| Compliant | 1,654 | |
| Not Prioritized | 0 | |
| Sidewalk Total | 11,165 | \$ 519,550.31 |

Corridor Summary

| Facility | Cost |
|---------------------------------|----------------------|
| Sidewalk Total | \$ 520,000.00 |
| Unsignalized Intersection Total | \$ 245,000.00 |
| Corridor Total | \$ 765,000.00 |

End of Project Description for Project 6 Winnie Lane

Kimley-Horn and Associates, Inc.
Project Description for Sidewalk Corridor

Client: City of Carson City **Date:** 02/13/15
Program: ADA Self-Evaluation and Transition Plan **Prepared By:** EPE
KHA No.: 092775000 **Checked By:** SRA

Corrdior: Mountain St **GPS ID:** 7
Limits: Winnie Ln - King St
City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|-------------------------------------|----------|--------|--------------|---------------|
| NDOT 5060860 | HAND RAIL | 0 | LF | \$ 250.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 40357 | SF | \$ 6.00 | \$ 242,142.00 |
| NDOT 6131270 | CLASS AA CONCRETE DRIVEWAY (6-INCH) | 2027 | SF | \$ 7.00 | \$ 14,189.00 |
| --- | REMOVAL OF CONCRETE DRIVEWAY | 2027 | SF | \$ 1.00 | \$ 2,027.00 |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 30649 | SF | \$ 2.00 | \$ 61,298.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 0 | SF | \$ 26.00 | \$ - |
| --- | PRE-FAB RAILROAD PLATES | 0 | LS | \$ 36,000.00 | \$ - |
| --- | BITUMINOUS DRIVEWAY | 982 | SF | \$ 4.00 | \$ 3,928.00 |
| NDOT 6091040 | STRUCTURAL STEEL GRATES | 0 | EA | \$ 1,300.00 | \$ - |
| NDOT 2020715 | RESET FIRE HYDRANT ASSEMBLY | 0 | EA | \$ 3,000.00 | \$ - |
| --- | ADJUST UTILITY ELEVATION | 7 | LS | \$ 1,000.00 | \$ 7,000.00 |
| --- | REMOVE OBSTRUCTION | 2 | LS | \$ 1,000.00 | \$ 2,000.00 |
| --- | REMOVE TEMPORARY OBSTRUCTION | 55 | LS | \$ 500.00 | \$ 27,500.00 |
| --- | RAILROAD COMPANY FLAGGER | 0 | Day(s) | \$ 1,000.00 | \$ - |
| --- | REMOVE ASPHALT DRIVEWAY | 982 | SF | \$ 1.00 | \$ 982.00 |

| | | | | |
|-------------------------------------|---------------------|--------------------------------|-----------|-------------------|
| Basis for Cost Projection | | Subtotal: | \$ | 361,066.00 |
| <input checked="" type="checkbox"/> | No Design Completed | Engineering: (% +/-) | 15% | \$ 54,400.29 |
| <input type="checkbox"/> | Preliminary Design | Contingency:(% +/-) | 20% | \$ 72,533.71 |
| <input type="checkbox"/> | Final Design | Estimated Project Cost: | \$ | 488,000.00 |

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Sidewalk Summary

| Priority | Length (LF) | Cost |
|-----------------------|---------------|----------------------|
| High | 4,811 | \$ 309,255.30 |
| Medium | 3,239 | \$ 130,340.15 |
| Low | 1,435 | \$ 47,838.11 |
| Compliant | 1,797 | |
| Not Prioritized | 0 | |
| Sidewalk Total | 11,282 | \$ 487,433.57 |

Corridor Summary

| Facility | Cost |
|---------------------------------|----------------------|
| Sidewalk Total | \$ 488,000.00 |
| Unsignalized Intersection Total | \$ 473,000.00 |
| Corridor Total | \$ 961,000.00 |

End of Project Description for Project 7 Mountain St

Kimley-Horn and Associates, Inc.
Project Description for Sidewalk Corridor

Client: City of Carson City
Program: ADA Self-Evaluation and Transition Plan
KHA No.: 092775000

Date: 02/13/15
Prepared By: EPE
Checked By: SRA

Corridor: Division St **GPS ID: 8**
Limits: Bath St - 10th St
City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|-------------------------------------|----------|--------|--------------|---------------|
| NDOT 5060860 | HAND RAIL | 0 | LF | \$ 250.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 42822 | SF | \$ 6.00 | \$ 256,932.00 |
| NDOT 6131270 | CLASS AA CONCRETE DRIVEWAY (6-INCH) | 5433 | SF | \$ 7.00 | \$ 38,031.00 |
| --- | REMOVAL OF CONCRETE DRIVEWAY | 5433 | SF | \$ 1.00 | \$ 5,433.00 |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 19779 | SF | \$ 2.00 | \$ 39,558.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 0 | SF | \$ 26.00 | \$ - |
| --- | PRE-FAB RAILROAD PLATES | 0 | LS | \$ 36,000.00 | \$ - |
| --- | BITUMINOUS DRIVEWAY | 0 | SF | \$ 4.00 | \$ - |
| NDOT 6091040 | STRUCTURAL STEEL GRATES | 0 | EA | \$ 1,300.00 | \$ - |
| NDOT 2020715 | RESET FIRE HYDRANT ASSEMBLY | 0 | EA | \$ 3,000.00 | \$ - |
| --- | ADJUST UTILITY ELEVATION | 5 | LS | \$ 1,000.00 | \$ 5,000.00 |
| --- | REMOVE OBSTRUCTION | 4 | LS | \$ 1,000.00 | \$ 4,000.00 |
| --- | REMOVE TEMPORARY OBSTRUCTION | 22 | LS | \$ 500.00 | \$ 11,000.00 |
| --- | RAILROAD COMPANY FLAGGER | 0 | Day(s) | \$ 1,000.00 | \$ - |
| --- | REMOVE ASPHALT DRIVEWAY | 0 | SF | \$ 1.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-------------------|
| Subtotal: | \$ | 359,954.00 |
| Engineering: (% +/-) | 15% | \$ 54,019.71 |
| Contingency: (% +/-) | 20% | \$ 72,026.29 |
| Estimated Project Cost: | \$ | 486,000.00 |

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Sidewalk Summary

| Priority | Length (LF) | Cost |
|-----------------------|---------------|----------------------|
| High | 3,235 | \$ 217,393.50 |
| Medium | 1,854 | \$ 88,603.12 |
| Low | 5,143 | \$ 179,922.87 |
| Compliant | 2,722 | |
| Not Prioritized | 0 | |
| Sidewalk Total | 12,953 | \$ 485,919.49 |

Corridor Summary

| Facility | Cost |
|---------------------------------|------------------------|
| Sidewalk Total | \$ 486,000.00 |
| Unsignalized Intersection Total | \$ 863,000.00 |
| Corridor Total | \$ 1,349,000.00 |

End of Project Description for Project 8 Division St

Kimley-Horn and Associates, Inc.
Project Description for Sidewalk Corridor

Client: City of Carson City
Program: ADA Self-Evaluation and Transition Plan
KHA No.: 092775000

Date: 02/13/15
Prepared By: EPE
Checked By: SRA

Corridor: King's Canyon Rd **GPS ID: 9**
Limits: Ormsby Blvd - Curry St
City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|-------------------------------------|----------|--------|--------------|---------------|
| NDOT 5060860 | HAND RAIL | 0 | LF | \$ 250.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 29355 | SF | \$ 6.00 | \$ 176,130.00 |
| NDOT 6131270 | CLASS AA CONCRETE DRIVEWAY (6-INCH) | 546 | SF | \$ 7.00 | \$ 3,822.00 |
| --- | REMOVAL OF CONCRETE DRIVEWAY | 546 | SF | \$ 1.00 | \$ 546.00 |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 23273 | SF | \$ 2.00 | \$ 46,546.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 0 | SF | \$ 26.00 | \$ - |
| --- | PRE-FAB RAILROAD PLATES | 0 | LS | \$ 36,000.00 | \$ - |
| --- | BITUMINOUS DRIVEWAY | 851 | SF | \$ 4.00 | \$ 3,404.00 |
| NDOT 6091040 | STRUCTURAL STEEL GRATES | 0 | EA | \$ 1,300.00 | \$ - |
| NDOT 2020715 | RESET FIRE HYDRANT ASSEMBLY | 0 | EA | \$ 3,000.00 | \$ - |
| --- | ADJUST UTILITY ELEVATION | 3 | LS | \$ 1,000.00 | \$ 3,000.00 |
| --- | REMOVE OBSTRUCTION | 2 | LS | \$ 1,000.00 | \$ 2,000.00 |
| --- | REMOVE TEMPORARY OBSTRUCTION | 24 | LS | \$ 500.00 | \$ 12,000.00 |
| --- | RAILROAD COMPANY FLAGGER | 0 | Day(s) | \$ 1,000.00 | \$ - |
| --- | REMOVE ASPHALT DRIVEWAY | 851 | SF | \$ 1.00 | \$ 851.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-------------------|
| Subtotal: | \$ | 248,299.00 |
| Engineering: (% +/-) | 15% | \$ 37,586.14 |
| Contingency: (% +/-) | 20% | \$ 50,114.86 |
| Estimated Project Cost: | \$ | 336,000.00 |

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Sidewalk Summary

| Priority | Length (LF) | Cost |
|-----------------------|--------------|----------------------|
| High | 2,781 | \$ 207,414.59 |
| Medium | 1,651 | \$ 93,187.88 |
| Low | 1,147 | \$ 34,586.41 |
| Compliant | 1,898 | |
| Not Prioritized | 0 | |
| Sidewalk Total | 7,476 | \$ 335,188.88 |

Corridor Summary

| Facility | Cost |
|---------------------------------|----------------------|
| Sidewalk Total | \$ 336,000.00 |
| Unsignalized Intersection Total | \$ 554,000.00 |
| Corridor Total | \$ 890,000.00 |

End of Project Description for Project 9 King's Canyon Rd

Kimley-Horn and Associates, Inc.
Project Description for Sidewalk Corridor

Client: City of Carson City
Program: ADA Self-Evaluation and Transition Plan
KHA No.: 092775000

Date: 02/13/15
Prepared By: EPE
Checked By: SRA

Corridor: Robinson St **GPS ID: 10**
Limits: Division St - Saliman Rd
City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|-------------------------------------|----------|--------|--------------|---------------|
| NDOT 5060860 | HAND RAIL | 0 | LF | \$ 250.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 41520 | SF | \$ 6.00 | \$ 249,120.00 |
| NDOT 6131270 | CLASS AA CONCRETE DRIVEWAY (6-INCH) | 548 | SF | \$ 7.00 | \$ 3,836.00 |
| --- | REMOVAL OF CONCRETE DRIVEWAY | 548 | SF | \$ 1.00 | \$ 548.00 |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 34734 | SF | \$ 2.00 | \$ 69,468.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 0 | SF | \$ 26.00 | \$ - |
| --- | PRE-FAB RAILROAD PLATES | 0 | LS | \$ 36,000.00 | \$ - |
| --- | BITUMINOUS DRIVEWAY | 272 | SF | \$ 4.00 | \$ 1,088.00 |
| NDOT 6091040 | STRUCTURAL STEEL GRATES | 0 | EA | \$ 1,300.00 | \$ - |
| NDOT 2020715 | RESET FIRE HYDRANT ASSEMBLY | 0 | EA | \$ 3,000.00 | \$ - |
| --- | ADJUST UTILITY ELEVATION | 5 | LS | \$ 1,000.00 | \$ 5,000.00 |
| --- | REMOVE OBSTRUCTION | 1 | LS | \$ 1,000.00 | \$ 1,000.00 |
| --- | REMOVE TEMPORARY OBSTRUCTION | 39 | LS | \$ 500.00 | \$ 19,500.00 |
| --- | RAILROAD COMPANY FLAGGER | 0 | Day(s) | \$ 1,000.00 | \$ - |
| --- | REMOVE ASPHALT DRIVEWAY | 272 | SF | \$ 1.00 | \$ 272.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-------------------|
| Subtotal: | \$ | 349,832.00 |
| Engineering: (% +/-) | 15% | \$ 52,786.29 |
| Contingency:(% +/-) | 20% | \$ 70,381.71 |
| Estimated Project Cost: | \$ | 473,000.00 |

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Sidewalk Summary

| Priority | Length (LF) | Cost |
|-----------------------|---------------|----------------------|
| High | 5,440 | \$ 339,560.41 |
| Medium | 1,808 | \$ 90,380.96 |
| Low | 1,175 | \$ 42,317.96 |
| Compliant | 2,233 | |
| Not Prioritized | 0 | |
| Sidewalk Total | 10,656 | \$ 472,259.34 |

Corridor Summary

| Facility | Cost |
|---------------------------------|----------------------|
| Sidewalk Total | \$ 473,000.00 |
| Unsignalized Intersection Total | \$ 469,000.00 |
| Corridor Total | \$ 942,000.00 |

End of Project Description for Project 10 Robinson St

Kimley-Horn and Associates, Inc.
Project Description for Sidewalk Corridor

Client: City of Carson City
Program: ADA Self-Evaluation and Transition Plan
KHA No.: 092775000

Date: 02/13/15
Prepared By: EPE
Checked By: SRA

Corridor: Musser St **GPS ID: 11**
Limits: Division St - Carson Meadows Dr
City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|-------------------------------------|----------|--------|--------------|---------------|
| NDOT 5060860 | HAND RAIL | 0 | LF | \$ 250.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 21407 | SF | \$ 6.00 | \$ 128,442.00 |
| NDOT 6131270 | CLASS AA CONCRETE DRIVEWAY (6-INCH) | 1219 | SF | \$ 7.00 | \$ 8,533.00 |
| --- | REMOVAL OF CONCRETE DRIVEWAY | 1219 | SF | \$ 1.00 | \$ 1,219.00 |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 16502 | SF | \$ 2.00 | \$ 33,004.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 0 | SF | \$ 26.00 | \$ - |
| --- | PRE-FAB RAILROAD PLATES | 0 | LS | \$ 36,000.00 | \$ - |
| --- | BITUMINOUS DRIVEWAY | 1644 | SF | \$ 4.00 | \$ 6,576.00 |
| NDOT 6091040 | STRUCTURAL STEEL GRATES | 0 | EA | \$ 1,300.00 | \$ - |
| NDOT 2020715 | RESET FIRE HYDRANT ASSEMBLY | 0 | EA | \$ 3,000.00 | \$ - |
| --- | ADJUST UTILITY ELEVATION | 5 | LS | \$ 1,000.00 | \$ 5,000.00 |
| --- | REMOVE OBSTRUCTION | 3 | LS | \$ 1,000.00 | \$ 3,000.00 |
| --- | REMOVE TEMPORARY OBSTRUCTION | 21 | LS | \$ 500.00 | \$ 10,500.00 |
| --- | RAILROAD COMPANY FLAGGER | 0 | Day(s) | \$ 1,000.00 | \$ - |
| --- | REMOVE ASPHALT DRIVEWAY | 1644 | SF | \$ 1.00 | \$ 1,644.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-------------------|
| Subtotal: | \$ | 197,918.00 |
| Engineering: (% +/-) | 15% | \$ 30,035.14 |
| Contingency: (% +/-) | 20% | \$ 40,046.86 |
| Estimated Project Cost: | \$ | 268,000.00 |

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Sidewalk Summary

| Priority | Length (LF) | Cost |
|-----------------------|--------------|----------------------|
| High | 2,535 | \$ 156,248.27 |
| Medium | 1,244 | \$ 75,399.98 |
| Low | 955 | \$ 35,527.03 |
| Compliant | 3,329 | |
| Not Prioritized | 0 | |
| Sidewalk Total | 8,063 | \$ 267,175.29 |

Corridor Summary

| Facility | Cost |
|---------------------------------|----------------------|
| Sidewalk Total | \$ 268,000.00 |
| Unsignalized Intersection Total | \$ 460,000.00 |
| Corridor Total | \$ 728,000.00 |

End of Project Description for Project 11 Musser St

Kimley-Horn and Associates, Inc.
Project Description for Sidewalk Corridor

Client: City of Carson City **Date:** 02/13/15
Program: ADA Self-Evaluation and Transition Plan **Prepared By:** EPE
KHA No.: 092775000 **Checked By:** SRA

Corridor: Stewart Ave **GPS ID:** 12
Limits: William St - 5th St
City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|-------------------------------------|----------|--------|--------------|---------------|
| NDOT 5060860 | HAND RAIL | 0 | LF | \$ 250.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 30940 | SF | \$ 6.00 | \$ 185,640.00 |
| NDOT 6131270 | CLASS AA CONCRETE DRIVEWAY (6-INCH) | 2276 | SF | \$ 7.00 | \$ 15,932.00 |
| --- | REMOVAL OF CONCRETE DRIVEWAY | 2276 | SF | \$ 1.00 | \$ 2,276.00 |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 30308 | SF | \$ 2.00 | \$ 60,616.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 0 | SF | \$ 26.00 | \$ - |
| --- | PRE-FAB RAILROAD PLATES | 0 | LS | \$ 36,000.00 | \$ - |
| --- | BITUMINOUS DRIVEWAY | 356 | SF | \$ 4.00 | \$ 1,424.00 |
| NDOT 6091040 | STRUCTURAL STEEL GRATES | 0 | EA | \$ 1,300.00 | \$ - |
| NDOT 2020715 | RESET FIRE HYDRANT ASSEMBLY | 0 | EA | \$ 3,000.00 | \$ - |
| --- | ADJUST UTILITY ELEVATION | 4 | LS | \$ 1,000.00 | \$ 4,000.00 |
| --- | REMOVE OBSTRUCTION | 1 | LS | \$ 1,000.00 | \$ 1,000.00 |
| --- | REMOVE TEMPORARY OBSTRUCTION | 9 | LS | \$ 500.00 | \$ 4,500.00 |
| --- | RAILROAD COMPANY FLAGGER | 0 | Day(s) | \$ 1,000.00 | \$ - |
| --- | REMOVE ASPHALT DRIVEWAY | 356 | SF | \$ 1.00 | \$ 356.00 |

| | | | | |
|-------------------------------------|---------------------|--------------------------------|-----------|-------------------|
| Basis for Cost Projection | | Subtotal: | \$ | 275,744.00 |
| <input checked="" type="checkbox"/> | No Design Completed | Engineering: (% +/-) | 15% | \$ 41,681.14 |
| <input type="checkbox"/> | Preliminary Design | Contingency:(% +/-) | 20% | \$ 55,574.86 |
| <input type="checkbox"/> | Final Design | Estimated Project Cost: | \$ | 373,000.00 |

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Sidewalk Summary

| Priority | Length (LF) | Cost |
|-----------------------|--------------|----------------------|
| High | 2,921 | \$ 234,209.73 |
| Medium | 1,886 | \$ 138,035.15 |
| Low | 509 | \$ - |
| Compliant | 1,639 | |
| Not Prioritized | 0 | |
| Sidewalk Total | 6,955 | \$ 372,244.88 |

Corridor Summary

| Facility | Cost |
|---------------------------------|----------------------|
| Sidewalk Total | \$ 373,000.00 |
| Unsignalized Intersection Total | \$ 305,000.00 |
| Corridor Total | \$ 678,000.00 |

End of Project Description for Project 12 Stewart Ave

Kimley-Horn and Associates, Inc.
Project Description for Sidewalk Corridor

Client: City of Carson City
Program: ADA Self-Evaluation and Transition Plan
KHA No.: 092775000

Date: 02/13/15
Prepared By: EPE
Checked By: SRA

Corridor: Saliman Rd **GPS ID: 13**
Limits: William St - Kingsley Ln
City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|-------------------------------------|----------|--------|--------------|---------------|
| NDOT 5060860 | HAND RAIL | 0 | LF | \$ 250.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 102228 | SF | \$ 6.00 | \$ 613,368.00 |
| NDOT 6131270 | CLASS AA CONCRETE DRIVEWAY (6-INCH) | 1823 | SF | \$ 7.00 | \$ 12,761.00 |
| --- | REMOVAL OF CONCRETE DRIVEWAY | 1823 | SF | \$ 1.00 | \$ 1,823.00 |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 81061 | SF | \$ 2.00 | \$ 162,122.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 0 | SF | \$ 26.00 | \$ - |
| --- | PRE-FAB RAILROAD PLATES | 0 | LS | \$ 36,000.00 | \$ - |
| --- | BITUMINOUS DRIVEWAY | 5496 | SF | \$ 4.00 | \$ 21,984.00 |
| NDOT 6091040 | STRUCTURAL STEEL GRATES | 0 | EA | \$ 1,300.00 | \$ - |
| NDOT 2020715 | RESET FIRE HYDRANT ASSEMBLY | 0 | EA | \$ 3,000.00 | \$ - |
| --- | ADJUST UTILITY ELEVATION | 6 | LS | \$ 1,000.00 | \$ 6,000.00 |
| --- | REMOVE OBSTRUCTION | 0 | LS | \$ 1,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 36 | LS | \$ 500.00 | \$ 18,000.00 |
| --- | RAILROAD COMPANY FLAGGER | 0 | Day(s) | \$ 1,000.00 | \$ - |
| --- | REMOVE ASPHALT DRIVEWAY | 5496 | SF | \$ 1.00 | \$ 5,496.00 |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|---------------------|
| Subtotal: | \$ | 841,554.00 |
| Engineering: (% +/-) | 15% | \$ 126,619.71 |
| Contingency: (% +/-) | 20% | \$ 168,826.29 |
| Estimated Project Cost: | \$ | 1,137,000.00 |

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Sidewalk Summary

| Priority | Length (LF) | Cost |
|-----------------------|---------------|------------------------|
| High | 9,751 | \$ 531,997.94 |
| Medium | 9,624 | \$ 500,710.83 |
| Low | 2,544 | \$ 103,370.39 |
| Compliant | 4,725 | |
| Not Prioritized | 0 | |
| Sidewalk Total | 26,645 | \$ 1,136,079.16 |

Corridor Summary

| Facility | Cost |
|---------------------------------|------------------------|
| Sidewalk Total | \$ 1,137,000.00 |
| Unsignalized Intersection Total | \$ 712,000.00 |
| Corridor Total | \$ 1,849,000.00 |

End of Project Description for Project 13 Saliman Rd

Kimley-Horn and Associates, Inc.
Project Description for Sidewalk Corridor

Client: City of Carson City
Program: ADA Self-Evaluation and Transition Plan
KHA No.: 092775000

Date: 02/13/15
Prepared By: EPE
Checked By: SRA

Corrdior: Silver Sage Dr **GPS ID: 14**
Limits: Colorado St - Koontz Ln
City: Carson City

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|-------------------------------------|----------|--------|--------------|---------------|
| NDOT 5060860 | HAND RAIL | 0 | LF | \$ 250.00 | \$ - |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 30027 | SF | \$ 6.00 | \$ 180,162.00 |
| NDOT 6131270 | CLASS AA CONCRETE DRIVEWAY (6-INCH) | 0 | SF | \$ 7.00 | \$ - |
| --- | REMOVAL OF CONCRETE DRIVEWAY | 0 | SF | \$ 1.00 | \$ - |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 24494 | SF | \$ 2.00 | \$ 48,988.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 0 | SF | \$ 26.00 | \$ - |
| --- | PRE-FAB RAILROAD PLATES | 0 | LS | \$ 36,000.00 | \$ - |
| --- | BITUMINOUS DRIVEWAY | 0 | SF | \$ 4.00 | \$ - |
| NDOT 6091040 | STRUCTURAL STEEL GRATES | 1 | EA | \$ 1,300.00 | \$ 1,300.00 |
| NDOT 2020715 | RESET FIRE HYDRANT ASSEMBLY | 0 | EA | \$ 3,000.00 | \$ - |
| --- | ADJUST UTILITY ELEVATION | 0 | LS | \$ 1,000.00 | \$ - |
| --- | REMOVE OBSTRUCTION | 0 | LS | \$ 1,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 33 | LS | \$ 500.00 | \$ 16,500.00 |
| --- | RAILROAD COMPANY FLAGGER | 0 | Day(s) | \$ 1,000.00 | \$ - |
| --- | REMOVE ASPHALT DRIVEWAY | 0 | SF | \$ 1.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-------------------|
| Subtotal: | \$ | 246,950.00 |
| Engineering: (% +/-) | 15% | \$ 37,307.14 |
| Contingency:(% +/-) | 20% | \$ 49,742.86 |
| Estimated Project Cost: | \$ | 334,000.00 |

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Sidewalk Summary

| Priority | Length (LF) | Cost |
|-----------------------|--------------|----------------------|
| High | 3,417 | \$ 183,922.84 |
| Medium | 3,532 | \$ 137,512.49 |
| Low | 615 | \$ 11,945.15 |
| Compliant | 1,944 | |
| Not Prioritized | 0 | |
| Sidewalk Total | 9,508 | \$ 333,380.48 |

Corridor Summary

| Facility | Cost |
|---------------------------------|----------------------|
| Sidewalk Total | \$ 334,000.00 |
| Unsignalized Intersection Total | \$ 629,000.00 |
| Corridor Total | \$ 963,000.00 |

End of Project Description for Project 14 Silver Sage Dr

Kimley-Horn and Associates, Inc.
Project Description for Sidewalk Corridor

Client: City of Carson City
Program: ADA Self-Evaluation and Transition Plan
KHA No.: 092775000

Date: 02/13/15
Prepared By: EPE
Checked By: SRA

Corridor: College Pkwy (North-South Segment)
Limits: 400' East of Dale Dr - Sherman Ln
City: Carson City

GPS ID: 19

| Item No. | Item Description | Quantity | Unit | Unit Price | Item Cost |
|--------------|-------------------------------------|----------|--------|--------------|---------------|
| NDOT 5060860 | HAND RAIL | 49 | LF | \$ 250.00 | \$ 12,250.00 |
| NDOT 5020750 | CLASS AA CONCRETE (MINOR) | 27850 | SF | \$ 6.00 | \$ 167,100.00 |
| NDOT 6131270 | CLASS AA CONCRETE DRIVEWAY (6-INCH) | 747 | SF | \$ 7.00 | \$ 5,229.00 |
| --- | REMOVAL OF CONCRETE DRIVEWAY | 747 | SF | \$ 1.00 | \$ 747.00 |
| NDOT 2021260 | REMOVAL OF SIDEWALK | 25091 | SF | \$ 2.00 | \$ 50,182.00 |
| NDOT 6130130 | DETECTABLE WARNINGS | 0 | SF | \$ 26.00 | \$ - |
| --- | PRE-FAB RAILROAD PLATES | 0 | LS | \$ 36,000.00 | \$ - |
| --- | BITUMINOUS DRIVEWAY | 0 | SF | \$ 4.00 | \$ - |
| NDOT 6091040 | STRUCTURAL STEEL GRATES | 0 | EA | \$ 1,300.00 | \$ - |
| NDOT 2020715 | RESET FIRE HYDRANT ASSEMBLY | 0 | EA | \$ 3,000.00 | \$ - |
| --- | ADJUST UTILITY ELEVATION | 0 | LS | \$ 1,000.00 | \$ - |
| --- | REMOVE OBSTRUCTION | 0 | LS | \$ 1,000.00 | \$ - |
| --- | REMOVE TEMPORARY OBSTRUCTION | 10 | LS | \$ 500.00 | \$ 5,000.00 |
| --- | RAILROAD COMPANY FLAGGER | 0 | Day(s) | \$ 1,000.00 | \$ - |
| --- | REMOVE ASPHALT DRIVEWAY | 0 | SF | \$ 1.00 | \$ - |

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

| | | |
|--------------------------------|-----------|-------------------|
| Subtotal: | \$ | 240,508.00 |
| Engineering: (% +/-) | 15% | \$ 36,210.86 |
| Contingency: (% +/-) | 20% | \$ 48,281.14 |
| Estimated Project Cost: | \$ | 325,000.00 |

The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only the Engineer's judgment as a design professional familiar with the construction industry. The Engineer cannot and does not guarantee that proposals, bids, or actual construction costs will not vary from its opinions of probable costs.

Sidewalk Summary

| Priority | Length (LF) | Cost |
|-----------------------|--------------|----------------------|
| High | 1,674 | \$ 107,779.01 |
| Medium | 4,216 | \$ 216,785.97 |
| Low | 0 | \$ - |
| Compliant | 1,422 | |
| Not Prioritized | 0 | |
| Sidewalk Total | 7,312 | \$ 324,564.98 |

Corridor Summary

| Facility | Cost |
|---------------------------------|----------------------|
| Sidewalk Total | \$ 325,000.00 |
| Unsignalized Intersection Total | \$ 19,000.00 |
| Corridor Total | \$ 344,000.00 |

End of Project Description for Project 19 College Pkwy (North-South Segment)