



APPENDIX J

FACILITIES REPORTS – SIGNALIZED INTERSECTIONS

City of Carson City
ADA Self-Evaluation and Transition Plan Update
Signalized Intersection Cost Projection Summary
3/18/2015

GPS ID	Project Name	Cost Projection	Priority
63	Intersection of Winnie Ln and Carson St	\$ 78,000.00	2
1012	Intersection of 5th St and Carson St	\$ 61,000.00	2
1015	Intersection of College Pkwy (West Segment) and Carson St	\$ 57,000.00	2
1018	Intersection of Carson St and Hot Springs Rd	\$ 67,000.00	2
1020	Intersection of Carson St and Long St	\$ 54,000.00	2
1022	Intersection of Carson St and Musser St	\$ 47,000.00	2
1023	Intersection of Carson St and Robinson St	\$ 49,000.00	2
1025	Intersection of Carson St and Stewart St	\$ 69,000.00	2
1026	Intersection of Carson St and Washington St	\$ 55,000.00	2
1028	Intersection of College Pkwy (East Segment) and Goni Rd	\$ 64,000.00	2
1030	Intersection of College Pkwy (West Segment) and Retail Dr	\$ 37,000.00	5
1031	Intersection of College Pkwy (West Segment) and Emerson Dr / Roop St	\$ 80,000.00	5
1035	Intersection of 5th St and Roop St	\$ 72,000.00	2
1038	Intersection of Roop St and Hot Springs Rd	\$ 69,000.00	2
1039	Intersection of Little Ln and Roop St	\$ 46,000.00	2
1040	Intersection of Roop St and Long St	\$ 49,000.00	2
1043	Intersection of Roop St and Winnie Ln	\$ 46,000.00	2
1046	Intersection of 5th St and Stewart St	\$ 66,000.00	2
1048	Intersection of Robinson St and Stewart St	\$ 68,000.00	2
1049	Intersection of Roop St and Stewart St	\$ 38,000.00	2
1050	Intersection of Stewart St and Washington St	\$ 37,000.00	2
2000	Intersection of Saliman Rd and William St	\$ 58,000.00	2
2001	Intersection of Carson St and William St	\$ 50,000.00	2
2002	Intersection of Stewart St and William St	\$ 50,000.00	2
2003	Intersection of Roop St and William St	\$ 45,000.00	2
90009	Intersection of College Pkwy (East Segment) and Lompa Ln	\$ 48,000.00	5
	TOTAL	\$ 1,460,000.00	

Client: City of Carson City Date: 3/18/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 09275000 Checked By: SRA

Corridor : GPS ID: 63
 Project Name: Intersection of Winnie Ln and Carson 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)	828	SF	6.00	\$ 4,968.00
NDOT 6130130	DETECTABLE WARNINGS	60	SF	26.00	\$ 1,560.00
---	TACTILE WARNING DEVICE - RETROFIT	20	SF	60.00	\$ 1,200.00
NDOT 2021260	REMOVAL OF SIDEWALK	709	SF	2.00	\$ 1,418.00
NDOT 6230515	PEDESTRIAN PUSH BUTTON POST	1	EA	250.00	\$ 250.00
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
---	PEDESTRIAN PUSH BUTTON (APS)	0	EA	1,200.00	\$ -
NDOT 6231395	REMOVE PEDESTRIAN PUSH BUTTON AND SIGN	0	EA	100.00	\$ -
NDOT 6231495	REMOVE AND RESET PEDESTRIAN PUSH BUTTON AND SIGN	1	EA	300.00	\$ 300.00
NDOT 6230745	PEDESTRIAN SIGNAL HEAD 3W	0	EA	650.00	\$ -
---	PEDESTRIAN PUSH BUTTON SIGN	8	EA	150.00	\$ 1,200.00
---	REMOVE PEDESTRIAN PUSH BUTTON SIGN	8	EA	50.00	\$ 400.00
---	REPAVE ROADWAY	3	LS	5,000.00	\$ 15,000.00
---	FIX PONDING	6	LS	2,000.00	\$ 12,000.00
---	FIX CURB RAMP TRANSITION	5	LS	2,000.00	\$ 10,000.00
---	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:	\$	57,104.00
Engineering: (% +/-)	15%	\$ 8,955.43
Contingency: (% +/-)	20%	\$ 11,940.57
Estimated Project Cost:	\$	78,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Dangerous	Poor	Dangerous	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 5%					
Crosswalk width is less than 6'					Remove and replace crosswalk pavement markings
Crosswalk striping condition	Worn	Worn	Good	Good	

Curb Ramp Issues	Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp)							Recommendations
	1A	2A	3A	4A	4C	4D	4E	
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%		X				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		X			X		Remove and replace curb ramp
Cut-thru ramp cross slope is greater than 5%								
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	X	
Temporary obstruction (>0.25') in curb ramp/landing/flares								
No textured surface at base of curb ramp	X		X	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	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%	X	X	X					Remove and replace landing area
Missing or no pedestrian push buttons								
Pedestrian push button is offset more than 5' from the nearest crosswalk edge	X							Install pedestal pole and relocate pedestrian push buttons
Pedestrian push button offset more than 10' from curb face								
Pedestrian push button is not parallel to crosswalk								
Pedestrian push button height is greater than 48"								
Pedestrian push button diameter is not 2"								
Pedestrian push button sign does not exist								
Pedestrian push button sign is not MUTCD approved	X	X	X			X		Remove and replace pedestrian push button sign
Clear floor space does not exist and is needed								
Clear floor space for pedestrian push button is less than 30" x 48" or has a slope greater than 2%	X	X	X			X		Remove and replace clear floor space
Missing or no pedestrian signal heads								
Curb ramp transition onto roadway is greater than 0.25"	X		X		X	X	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	X		X	X	X	Fix ponding



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A



Ramp 4C



Ramp 4D



Ramp 4E

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

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 09275000 Checked By: SRA

Corridor : GPS ID: 1012
 Project Name: Intersection of 5th St and Carson 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)	685	SF	\$ 6.00	\$ 4,110.00
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	625	SF	\$ 2.00	\$ 1,250.00
NDOT 6230515	PEDESTRIAN PUSH BUTTON POST	1	EA	\$ 250.00	\$ 250.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	558	LF	\$ 6.00	\$ 3,348.00
---	PEDESTRIAN PUSH BUTTON (APS)	0	EA	\$ 1,200.00	\$ -
NDOT 6231395	REMOVE PEDESTRIAN PUSH BUTTON AND SIGN	0	EA	\$ 100.00	\$ -
NDOT 6231495	REMOVE AND RESET PEDESTRIAN PUSH BUTTON AND SIGN	4	EA	\$ 300.00	\$ 1,200.00
NDOT 6230745	PEDESTRIAN SIGNAL HEAD 3W	0	EA	\$ 650.00	\$ -
---	PEDESTRIAN PUSH BUTTON SIGN	8	EA	\$ 150.00	\$ 1,200.00
---	REMOVE PEDESTRIAN PUSH BUTTON SIGN	8	EA	\$ 50.00	\$ 400.00
---	REPAVE ROADWAY	4	LS	\$ 5,000.00	\$ 20,000.00
---	FIX PONDING	1	LS	\$ 2,000.00	\$ 2,000.00
---	FIX CURB RAMP TRANSITION	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	4	LS	\$ 2,000.00	\$ 8,000.00
				Subtotal:	\$ 45,138.00
				Engineering: (% +/-)	15% \$ 6,798.00
				Contingency: (% +/-)	20% \$ 9,064.00
				Estimated Project Cost:	\$ 61,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Project Location



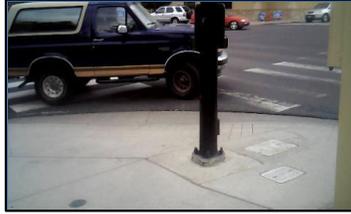
Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Dangerous	Dangerous	Dangerous	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 5%					
Crosswalk width is less than 6'					
Crosswalk striping condition	Worn	Good	Worn	Good	Remove and replace 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					
Curb ramp does not land in crosswalk					
No 4' x 4' clear space at base of curb ramp	X				Remove and replace crosswalk pavement markings
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%		X			Remove and replace curb ramp
Curb ramp cross slope is greater than 2%					
Cut-thru ramp cross slope is greater than 5%					
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	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	Install landing area
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	X		X	
Missing or no pedestrian push buttons					
Pedestrian push button is offset more than 5' from the nearest crosswalk edge			X		Install pedestal pole and relocate pedestrian push buttons
Pedestrian push button offset more than 10' from curb face			X		
Pedestrian push button is not parallel to crosswalk					
Pedestrian push button height is greater than 48"				X	Relocate pedestrian push buttons
Pedestrian push button diameter is not 2"					
Pedestrian push button sign does not exist					
Pedestrian push button sign is not MUTCD approved	X	X	X	X	Remove and replace pedestrian push button sign
Clear floor space does not exist and is needed		X	X		Install clear floor space
Clear floor space for pedestrian push button is less than 30" x 48" or has a slope greater than 2%	X	X		X	Remove and replace clear floor space
Missing or no pedestrian signal heads					
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	X	Fix curb ramp counter slope
Ponding occurs at base of curb ramp				X	Fix ponding



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

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 09275000 Checked By: SRA

Corridor : GPS ID: 1015
 Project Name: Intersection of College Pkwy (West Segment) and Carson 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)	684	SF	\$ 6.00	\$ 4,104.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	547	SF	\$ 2.00	\$ 1,094.00
NDOT 6230515	PEDESTRIAN PUSH BUTTON POST	4	EA	\$ 250.00	\$ 1,000.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	1006	LF	\$ 6.00	\$ 6,036.00
---	PEDESTRIAN PUSH BUTTON (APS)	0	EA	\$ 1,200.00	\$ -
NDOT 6231395	REMOVE PEDESTRIAN PUSH BUTTON AND SIGN	0	EA	\$ 100.00	\$ -
NDOT 6231495	REMOVE AND RESET PEDESTRIAN PUSH BUTTON AND SIGN	4	EA	\$ 300.00	\$ 1,200.00
NDOT 6230745	PEDESTRIAN SIGNAL HEAD 3W	0	EA	\$ 650.00	\$ -
---	PEDESTRIAN PUSH BUTTON SIGN	8	EA	\$ 150.00	\$ 1,200.00
---	REMOVE PEDESTRIAN PUSH BUTTON SIGN	8	EA	\$ 50.00	\$ 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	3	LS	\$ 2,000.00	\$ 6,000.00

Basis for Cost Projection		Subtotal:	\$ 42,074.00
<input checked="" type="checkbox"/> No Design Completed		Engineering: (% +/-)	15% \$ 6,396.86
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 8,529.14
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$ 57,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Dangerous	Poor	Dangerous	Poor	Repare roadway and install crosswalk pavement markings
Path of travel running slope is greater than 5%		X			
Path of travel cross slope is greater than 5%					
Crosswalk width is less than 6'					Remove and replace crosswalk pavement markings
Crosswalk striping condition	Worn	Good	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					
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	X	X		Remove and replace curb ramp
Cut-thru ramp cross slope is greater than 5%					
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	
Temporary obstruction (>0.25') in curb ramp/landing/flares					
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%			X		Remove and replace landing area
Missing or no pedestrian push buttons					
Pedestrian push button is offset more than 5' from the nearest crosswalk edge	X			X	Install pedestal pole and relocate pedestrian push buttons
Pedestrian push button offset more than 10' from curb face		X			Install pedestal pole and relocate pedestrian push
Pedestrian push button is not parallel to crosswalk					
Pedestrian push button height is greater than 48"					
Pedestrian push button diameter is not 2"					
Pedestrian push button sign does not exist					
Pedestrian push button sign is not MUTCD approved	X	X	X	X	Remove and replace pedestrian push button sign
Clear floor space does not exist and is needed				X	Install clear floor space
Clear floor space for pedestrian push button is less than 30" x 48" or has a slope greater than 2%	X	X	X		Remove and replace clear floor space
Missing or no pedestrian signal heads					
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	Fix curb ramp counter slope
Ponding occurs at base of curb ramp					



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

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 09275000 Checked By: SRA

Corridor : GPS ID: 1018
 Project Name: Intersection of Carson St and Hot Springs 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)	1123	SF	\$ 6.00	\$ 6,738.00
NDOT 6130130	DETECTABLE WARNINGS	80	SF	\$ 26.00	\$ 2,080.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	948	SF	\$ 2.00	\$ 1,896.00
NDOT 6230515	PEDESTRIAN PUSH BUTTON POST	1	EA	\$ 250.00	\$ 250.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	174	LF	\$ 6.00	\$ 1,044.00
---	PEDESTRIAN PUSH BUTTON (APS)	0	EA	\$ 1,200.00	\$ -
NDOT 6231395	REMOVE PEDESTRIAN PUSH BUTTON AND SIGN	0	EA	\$ 100.00	\$ -
NDOT 6231495	REMOVE AND RESET PEDESTRIAN PUSH BUTTON AND SIGN	1	EA	\$ 300.00	\$ 300.00
NDOT 6230745	PEDESTRIAN SIGNAL HEAD 3W	0	EA	\$ 650.00	\$ -
---	PEDESTRIAN PUSH BUTTON SIGN	4	EA	\$ 150.00	\$ 600.00
---	REMOVE PEDESTRIAN PUSH BUTTON SIGN	4	EA	\$ 50.00	\$ 200.00
---	REPAVE ROADWAY	7	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	7	LS	\$ 2,000.00	\$ 14,000.00
---	FIX CURB RAMP TRANSITION	5	LS	\$ 2,000.00	\$ 10,000.00
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	2	LS	\$ 500.00	\$ 1,000.00
---	FIX CURB RAMP COUNTER SLOPE	3	LS	\$ 2,000.00	\$ 6,000.00

Basis for Cost Projection

<input checked="" type="checkbox"/> No Design Completed	Subtotal:	\$ 49,108.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 7,668.00
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 10,224.00
	Estimated Project Cost:	\$ 67,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Poor	Good	N/A	N/A	Repare roadway and install crosswalk pavement markings
Path of travel running slope is greater than 5%			N/A	N/A	
Path of travel cross slope is greater than 5%			N/A	N/A	
Crosswalk width is less than 6'			N/A	N/A	
Crosswalk striping condition	Good	Good	N/A	N/A	

Curb Ramp Issues	Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp)								Recommendations
	1A	2A	2C	2D	2E	3A	3C	3D	
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%	X	X	X		X	X	X	X	
Blended transition running slope is greater than 5%									
Cut-thru ramp running slope is greater than 5%						X			
Curb ramp cross slope is greater than 2%									Remove and replace curb ramp
Cut-thru ramp cross slope is greater than 5%									
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			
Temporary obstruction (>0.25') in curb ramp/landing/flares							X	X	Remove temporary obstruction
No textured surface at base of curb ramp	X	X	X	X	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	X	X	X	X	Install landing area
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		X	X	X		
Missing or no pedestrian push buttons									
Pedestrian push button is offset more than 5' from the nearest crosswalk edge									
Pedestrian push button offset more than 10' from curb face								X	Install pedestal pole and relocate pedestrian push
Pedestrian push button is not parallel to crosswalk									
Pedestrian push button height is greater than 48"									
Pedestrian push button diameter is not 2"									
Pedestrian push button sign does not exist									
Pedestrian push button sign is not MUTCD approved	X			X				X	Remove and replace pedestrian push button sign
Clear floor space does not exist and is needed	X							X	Install clear floor space
Clear floor space for pedestrian push button is less than 30" x 48" or has a slope greater than 2%				X					Remove and replace clear floor space
Missing or no pedestrian signal heads									
Curb ramp transition onto roadway is greater than 0.25"		X	X	X	X			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	X	X	X	X		X	Fix ponding



Ramp 1A



Ramp 2A



Ramp 2C



Ramp 2D



Ramp 2E



Ramp 3A



Ramp 3C



Ramp 3D



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

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 09275000 Checked By: SRA

Corridor : GPS ID: 1020
 Project Name: Intersection of Carson St and Long 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)	715	SF	\$ 6.00	\$ 4,290.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	688	SF	\$ 2.00	\$ 1,376.00
NDOT 6230515	PEDESTRIAN PUSH BUTTON POST	0	EA	\$ 250.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	506	LF	\$ 6.00	\$ 3,036.00
---	PEDESTRIAN PUSH BUTTON (APS)	0	EA	\$ 1,200.00	\$ -
NDOT 6231395	REMOVE PEDESTRIAN PUSH BUTTON AND SIGN	0	EA	\$ 100.00	\$ -
NDOT 6231495	REMOVE AND RESET PEDESTRIAN PUSH BUTTON AND SIGN	0	EA	\$ 300.00	\$ -
NDOT 6230745	PEDESTRIAN SIGNAL HEAD 3W	0	EA	\$ 650.00	\$ -
---	PEDESTRIAN PUSH BUTTON SIGN	8	EA	\$ 150.00	\$ 1,200.00
---	REMOVE PEDESTRIAN PUSH BUTTON SIGN	8	EA	\$ 50.00	\$ 400.00
---	REPAVE ROADWAY	4	LS	\$ 5,000.00	\$ 20,000.00
---	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	3	LS	\$ 2,000.00	\$ 6,000.00
					Subtotal: \$ 39,342.00
					Engineering: (% +/-) 15% \$ 6,282.00
					Contingency: (% +/-) 20% \$ 8,376.00
					Estimated Project Cost: \$ 54,000.00

- Basis for Cost Projection
- No Design Completed
 - Preliminary Design
 - Final Design

Project Location

Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Dangerous	Dangerous	Dangerous	Dangerous	Repave roadway and install crosswalk pavement markings
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 5%					
Crosswalk width is less than 6'					
Crosswalk striping condition	Worn	Worn	Worn	Good	Remove and replace 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					
Curb ramp does not land in crosswalk					
No 4' x 4' clear space at base of curb ramp			X		Remove and replace crosswalk pavement markings
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%			X		
Cut-thru ramp running slope is greater than 5%					
Curb ramp cross slope is greater than 2%	X	X	X		Remove and replace curb ramp
Cut-thru ramp cross slope is greater than 5%					
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	
Temporary obstruction (>0.25') in curb ramp/landing/flares					
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	Install landing area
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		
Missing or no pedestrian push buttons					
Pedestrian push button is offset more than 5' from the nearest crosswalk edge					
Pedestrian push button offset more than 10' from curb face					
Pedestrian push button is not parallel to crosswalk					
Pedestrian push button height is greater than 48"					
Pedestrian push button diameter is not 2"					
Pedestrian push button sign does not exist					
Pedestrian push button sign is not MUTCD approved	X	X	X	X	Remove and replace pedestrian push button sign
Clear floor space does not exist and is needed					
Clear floor space for pedestrian push button is less than 30" x 48" or has a slope greater than 2%	X	X	X	X	Remove and replace clear floor space
Missing or no pedestrian signal heads					
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					



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

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 09275000 Checked By: SRA

Corridor : GPS ID: 1022
 Project Name: Intersection of Carson St and Musser 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)	911	SF	\$ 6.00	\$ 5,466.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	879	SF	\$ 2.00	\$ 1,758.00
NDOT 6230515	PEDESTRIAN PUSH BUTTON POST	1	EA	\$ 250.00	\$ 250.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	469	LF	\$ 6.00	\$ 2,814.00
---	PEDESTRIAN PUSH BUTTON (APS)	0	EA	\$ 1,200.00	\$ -
NDOT 6231395	REMOVE PEDESTRIAN PUSH BUTTON AND SIGN	0	EA	\$ 100.00	\$ -
NDOT 6231495	REMOVE AND RESET PEDESTRIAN PUSH BUTTON AND SIGN	2	EA	\$ 300.00	\$ 600.00
NDOT 6230745	PEDESTRIAN SIGNAL HEAD 3W	0	EA	\$ 650.00	\$ -
---	PEDESTRIAN PUSH BUTTON SIGN	8	EA	\$ 150.00	\$ 1,200.00
---	REMOVE PEDESTRIAN PUSH BUTTON SIGN	8	EA	\$ 50.00	\$ 400.00
---	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	3	LS	\$ 2,000.00	\$ 6,000.00

Basis for Cost Projection		Subtotal:	\$ 34,528.00
<input checked="" type="checkbox"/> No Design Completed		Engineering: (% +/-)	15% \$ 5,345.14
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 7,126.86
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$ 47,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Dangerous	Good	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 5%					
Crosswalk width is less than 6'					
Crosswalk striping condition	Worn	Worn	Worn	Good	Remove and replace 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					
Curb ramp does not land in crosswalk					
No 4' x 4' clear space at base of curb ramp	X				Remove and replace crosswalk pavement markings
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				Remove and replace curb ramp
Cut-thru ramp cross slope is greater than 5%					
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	
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					
Landing area is less than 5' x 5' or slopes greater than 2%	X		X	X	Remove and replace landing area
Missing or no pedestrian push buttons					
Pedestrian push button is offset more than 5' from the nearest crosswalk edge				X	Install pedestal pole and relocate pedestrian push buttons
Pedestrian push button offset more than 10' from curb face					
Pedestrian push button is not parallel to crosswalk			X		Relocate pedestrian push buttons
Pedestrian push button height is greater than 48"					
Pedestrian push button diameter is not 2"					
Pedestrian push button sign does not exist					
Pedestrian push button sign is not MUTCD approved	X	X	X	X	Remove and replace pedestrian push button sign
Clear floor space does not exist and is needed				X	Install clear floor space
Clear floor space for pedestrian push button is less than 30" x 48" or has a slope greater than 2%	X	X	X		Remove and replace clear floor space
Missing or no pedestrian signal heads					
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	Fix curb ramp counter slope
Ponding occurs at base of curb ramp					



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

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 09275000 Checked By: SRA

Corridor : GPS ID: 1023
 Project Name: Intersection of Carson St 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)	996	SF	\$ 6.00	\$ 5,976.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	952	SF	\$ 2.00	\$ 1,904.00
NDOT 6230515	PEDESTRIAN PUSH BUTTON POST	0	EA	\$ 250.00	\$ -
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
---	PEDESTRIAN PUSH BUTTON (APS)	0	EA	\$ 1,200.00	\$ -
NDOT 6231395	REMOVE PEDESTRIAN PUSH BUTTON AND SIGN	0	EA	\$ 100.00	\$ -
NDOT 6231495	REMOVE AND RESET PEDESTRIAN PUSH BUTTON AND SIGN	2	EA	\$ 300.00	\$ 600.00
NDOT 6230745	PEDESTRIAN SIGNAL HEAD 3W	0	EA	\$ 650.00	\$ -
---	PEDESTRIAN PUSH BUTTON SIGN	8	EA	\$ 150.00	\$ 1,200.00
---	REMOVE PEDESTRIAN PUSH BUTTON SIGN	8	EA	\$ 50.00	\$ 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	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection		Subtotal:	\$ 35,892.00
<input checked="" type="checkbox"/> No Design Completed		Engineering: (% +/-)	15% \$ 5,617.71
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 7,490.29
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$ 49,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Dangerous	Dangerous	Dangerous	Dangerous	Repave roadway and install crosswalk pavement markings
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 5%					
Crosswalk width is less than 6'					
Crosswalk striping condition	Worn	Worn	Worn	Good	Remove and replace 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					
Curb ramp does not land in crosswalk					
No 4' x 4' clear space at base of curb ramp	X	X	X	X	Remove and replace crosswalk pavement markings
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	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%					Remove and replace curb ramp
Cut-thru ramp cross slope is greater than 5%					
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	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					
Landing area is less than 5' x 5' or slopes greater than 2%	X	X	X	X	Remove and replace landing area
Missing or no pedestrian push buttons					
Pedestrian push button is offset more than 5' from the nearest crosswalk edge					
Pedestrian push button offset more than 10' from curb face					
Pedestrian push button is not parallel to crosswalk					
Pedestrian push button height is greater than 48"	X				Relocate pedestrian push buttons
Pedestrian push button diameter is not 2"					
Pedestrian push button sign does not exist					
Pedestrian push button sign is not MUTCD approved	X	X	X	X	Remove and replace pedestrian push button sign
Clear floor space does not exist and is needed		X			Install clear floor space
Clear floor space for pedestrian push button is less than 30" x 48" or has a slope greater than 2%	X	X	X	X	Remove and replace clear floor space
Missing or no pedestrian signal heads					
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



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



Ramp 1A



Ramp 2A



Ramp 2C



Ramp 2E



Ramp 3A



Ramp 3C



Ramp 3D



Corner 4 No Ramp (4z)

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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

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 09275000 Checked By: SRA

Corridor : GPS ID: 1026
 Project Name: Intersection of Carson St and Washington 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)	540	SF	6.00	3,240.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	26.00	1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	60.00	-
NDOT 2021260	REMOVAL OF SIDEWALK	469	SF	2.00	938.00
NDOT 6230515	PEDESTRIAN PUSH BUTTON POST	0	EA	250.00	-
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	1.00	-
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	481	LF	6.00	2,886.00
---	PEDESTRIAN PUSH BUTTON (APS)	0	EA	1,200.00	-
NDOT 6231395	REMOVE PEDESTRIAN PUSH BUTTON AND SIGN	0	EA	100.00	-
NDOT 6231495	REMOVE AND RESET PEDESTRIAN PUSH BUTTON AND SIGN	2	EA	300.00	600.00
NDOT 6230745	PEDESTRIAN SIGNAL HEAD 3W	0	EA	650.00	-
---	PEDESTRIAN PUSH BUTTON SIGN	8	EA	150.00	1,200.00
---	REMOVE PEDESTRIAN PUSH BUTTON SIGN	8	EA	50.00	400.00
---	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	4	LS	2,000.00	8,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	40,304.00
Engineering: (% +/-)	15%	\$ 6,298.29
Contingency: (% +/-)	20%	\$ 8,397.71
Estimated Project Cost:	\$	55,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Dangerous	Poor	Dangerous	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 5%					
Crosswalk width is less than 6'					
Crosswalk striping condition	Worn	Worn	Worn	Good	Remove and replace 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					
Curb ramp does not land in crosswalk					
No 4' x 4' clear space at base of curb ramp		X		X	Remove and replace crosswalk pavement markings
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			
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	Remove and replace curb ramp
Cut-thru ramp cross slope is greater than 5%					
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		
Temporary obstruction (>0.25') in curb ramp/landing/flares					
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	Install landing area
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	X	
Missing or no pedestrian push buttons					
Pedestrian push button is offset more than 5' from the nearest crosswalk edge					
Pedestrian push button offset more than 10' from curb face					
Pedestrian push button is not parallel to crosswalk					
Pedestrian push button height is greater than 48"			X		Relocate pedestrian push buttons
Pedestrian push button diameter is not 2"					
Pedestrian push button sign does not exist					
Pedestrian push button sign is not MUTCD approved	X	X	X	X	Remove and replace pedestrian push button sign
Clear floor space does not exist and is needed	X	X			Install clear floor space
Clear floor space for pedestrian push button is less than 30" x 48" or has a slope greater than 2%			X	X	Remove and replace clear floor space
Missing or no pedestrian signal heads					
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 curb ramp counter slope
Ponding occurs at base of curb ramp		X			Fix ponding



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

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 09275000 Checked By: SRA

Corridor : GPS ID: 1028
 Project Name: Intersection of College Pkwy (East Segment) and Goni 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)	744	SF	\$ 6.00	\$ 4,464.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	20	SF	\$ 60.00	\$ 1,200.00
NDOT 2021260	REMOVAL OF SIDEWALK	500	SF	\$ 2.00	\$ 1,000.00
NDOT 6230515	PEDESTRIAN PUSH BUTTON POST	1	EA	\$ 250.00	\$ 250.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	672	LF	\$ 6.00	\$ 4,032.00
---	PEDESTRIAN PUSH BUTTON (APS)	0	EA	\$ 1,200.00	\$ -
NDOT 6231395	REMOVE PEDESTRIAN PUSH BUTTON AND SIGN	0	EA	\$ 100.00	\$ -
NDOT 6231495	REMOVE AND RESET PEDESTRIAN PUSH BUTTON AND SIGN	1	EA	\$ 300.00	\$ 300.00
NDOT 6230745	PEDESTRIAN SIGNAL HEAD 3W	0	EA	\$ 650.00	\$ -
---	PEDESTRIAN PUSH BUTTON SIGN	8	EA	\$ 150.00	\$ 1,200.00
---	REMOVE PEDESTRIAN PUSH BUTTON SIGN	7	EA	\$ 50.00	\$ 350.00
---	REPAVE ROADWAY	3	LS	\$ 5,000.00	\$ 15,000.00
---	FIX PONDING	2	LS	\$ 2,000.00	\$ 4,000.00
---	FIX CURB RAMP TRANSITION	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	6	LS	\$ 2,000.00	\$ 12,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	46,836.00
Engineering: (% +/-)	15%	\$ 7,356.00
Contingency: (% +/-)	20%	\$ 9,808.00
Estimated Project Cost:	\$	64,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Good	Poor	Dangerous	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 5%					
Crosswalk width is less than 6'					Remove and replace crosswalk pavement markings
Crosswalk striping condition	Worn	Good	Worn	Worn	

Curb Ramp Issues	Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp)						Recommendations
	1A	2A	2B	3A	3B	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					X		
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%						X	
Curb ramp cross slope is greater than 2%							
Cut-thru ramp cross slope is greater than 5%							
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	
Temporary obstruction (>0.25') in curb ramp/landing/flares							
No textured surface at base of curb ramp	X	X	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	X	X	
Landing area does not exist and is needed	X	X	X	X	X	X	Install landing area
Landing area is less than 5' x 5' or slopes greater than 2%							
Missing or no pedestrian push buttons							
Pedestrian push button is offset more than 5' from the nearest crosswalk edge						X	Install pedestal pole and relocate pedestrian push buttons
Pedestrian push button offset more than 10' from curb face							
Pedestrian push button is not parallel to crosswalk							
Pedestrian push button height is greater than 48"							
Pedestrian push button diameter is not 2"							
Pedestrian push button sign does not exist	X						Install pedestrian push button sign
Pedestrian push button sign is not MUTCD approved	X	X	X	X	X	X	Remove and replace pedestrian push button sign
Clear floor space does not exist and is needed	X			X	X	X	Install clear floor space
Clear floor space for pedestrian push button is less than 30" x 48" or has a slope greater than 2%	X	X	X			X	Remove and replace clear floor space
Missing or no pedestrian signal heads							
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	X	X	X	Fix curb ramp counter slope
Ponding occurs at base of curb ramp	X			X			Fix ponding



Ramp 1A



Ramp 2A



Ramp 2B



Ramp 3A



Ramp 3B



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

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 09275000 Checked By: SRA

Corridor : GPS ID: 1030
 Project Name: Intersection of College Pkwy (West Segment) and Retail 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)	723	SF	6.00	\$ 4,338.00
NDOT 6130130	DETECTABLE WARNINGS	60	SF	26.00	\$ 1,560.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	693	SF	2.00	\$ 1,386.00
NDOT 6230515	PEDESTRIAN PUSH BUTTON POST	4	EA	250.00	\$ 1,000.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	670	LF	6.00	\$ 4,020.00
---	PEDESTRIAN PUSH BUTTON (APS)	0	EA	1,200.00	\$ -
NDOT 6231395	REMOVE PEDESTRIAN PUSH BUTTON AND SIGN	0	EA	100.00	\$ -
NDOT 6231495	REMOVE AND RESET PEDESTRIAN PUSH BUTTON AND SIGN	4	EA	300.00	\$ 1,200.00
NDOT 6230745	PEDESTRIAN SIGNAL HEAD 3W	0	EA	650.00	\$ -
---	PEDESTRIAN PUSH BUTTON SIGN	8	EA	150.00	\$ 1,200.00
---	REMOVE PEDESTRIAN PUSH BUTTON SIGN	8	EA	50.00	\$ 400.00
---	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	4	LS	2,000.00	\$ 8,000.00

Basis for Cost Projection		Subtotal:	\$ 27,104.00
<input checked="" type="checkbox"/> No Design Completed		Engineering: (% +/-)	15% \$ 4,241.14
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 5,654.86
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$ 37,000.00

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 5%					
Crosswalk width is less than 6'					
Crosswalk striping condition	Worn	Worn	Worn	Worn	Remove and replace crosswalk pavement markings

Curb Ramp Issues	Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp)							Recommendations
	1A	1B	2A	2B	3A	3B	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%	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				Remove and replace curb ramp
Cut-thru ramp cross slope is greater than 5%								
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	X	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								
Landing area is less than 5' x 5' or slopes greater than 2%	X	X	X				X	Remove and replace landing area
Missing or no pedestrian push buttons								
Pedestrian push button is offset more than 5' from the nearest crosswalk edge			X				X	Install pedestal pole and relocate pedestrian push buttons
Pedestrian push button offset more than 10' from curb face			X	X				
Pedestrian push button is not parallel to crosswalk								
Pedestrian push button height is greater than 48"								
Pedestrian push button diameter is not 2"								
Pedestrian push button sign does not exist								
Pedestrian push button sign is not MUTCD approved	X	X	X	X	X	X	X	Remove and replace pedestrian push button sign
Clear floor space does not exist and is needed								
Clear floor space for pedestrian push button is less than 30" x 48" or has a slope greater than 2%							X	Remove and replace clear floor space
Missing or no pedestrian signal heads								
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 curb ramp counter slope
Ponding occurs at base of curb ramp	X					X		Fix ponding



Ramp 1A



Ramp 1B



Ramp 2A



Ramp 2B



Ramp 3A



Ramp 3B



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

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 09275000 Checked By: SRA

Corridor : GPS ID: 1031
 Project Name: Intersection of College Pkwy (West Segment) and Emerson Dr / 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)	1282	SF	6.00	7,692.00
NDOT 6130130	DETECTABLE WARNINGS	80	SF	26.00	2,080.00
---	TACTILE WARNING DEVICE - RETROFIT	10	SF	60.00	600.00
NDOT 2021260	REMOVAL OF SIDEWALK	1116	SF	2.00	2,232.00
NDOT 6230515	PEDESTRIAN PUSH BUTTON POST	2	EA	250.00	500.00
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
---	PEDESTRIAN PUSH BUTTON (APS)	0	EA	1,200.00	-
NDOT 6231395	REMOVE PEDESTRIAN PUSH BUTTON AND SIGN	0	EA	100.00	-
NDOT 6231495	REMOVE AND RESET PEDESTRIAN PUSH BUTTON AND SIGN	2	EA	300.00	600.00
NDOT 6230745	PEDESTRIAN SIGNAL HEAD 3W	0	EA	650.00	-
---	PEDESTRIAN PUSH BUTTON SIGN	8	EA	150.00	1,200.00
---	REMOVE PEDESTRIAN PUSH BUTTON SIGN	8	EA	50.00	400.00
---	REPAVE ROADWAY	3	LS	5,000.00	15,000.00
---	FIX PONDING	5	LS	2,000.00	10,000.00
---	FIX CURB RAMP TRANSITION	4	LS	2,000.00	8,000.00
---	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		Subtotal:	\$	59,112.00
<input checked="" type="checkbox"/>	No Design Completed	Engineering: (% +/-)	15%	\$ 8,952.00
<input type="checkbox"/>	Preliminary Design	Contingency: (% +/-)	20%	\$ 11,936.00
<input type="checkbox"/>	Final Design	Estimated Project Cost:		\$ 80,000.00

Project Location



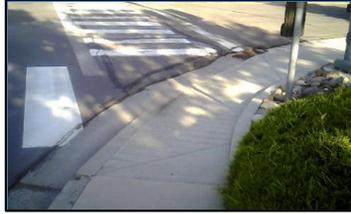
Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Dangerous	Good	Dangerous	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 5%					
Crosswalk width is less than 6'					Remove and replace crosswalk pavement markings
Crosswalk striping condition	Good	Good	Worn	Good	

Curb Ramp Issues	Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp)								Recommendations
	1A	2A	3A	3C	3D	4A	4C	4D	
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%				X	X	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%			X			X			Remove and replace curb ramp
Cut-thru ramp cross slope is greater than 5%									
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	X	X	X	X	X	
Temporary obstruction (>0.25') in curb ramp/landing/flares									
No textured surface at base of curb ramp	X	X	X	X	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	X	X	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		X		X	X	X	X	Remove and replace landing area
Missing or no pedestrian push buttons									
Pedestrian push button is offset more than 5' from the nearest crosswalk edge					X			X	Install pedestal pole and relocate pedestrian push buttons
Pedestrian push button offset more than 10' from curb face									
Pedestrian push button is not parallel to crosswalk									
Pedestrian push button height is greater than 48"									
Pedestrian push button diameter is not 2"									
Pedestrian push button sign does not exist									
Pedestrian push button sign is not MUTCD approved	X	X			X			X	Remove and replace pedestrian push button sign
Clear floor space does not exist and is needed	X	X							Install clear floor space
Clear floor space for pedestrian push button is less than 30" x 48" or has a slope greater than 2%					X			X	Remove and replace clear floor space
Missing or no pedestrian signal heads									
Curb ramp transition onto roadway is greater than 0.25"		X	X	X				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		X	Fix curb ramp counter slope
Ponding occurs at base of curb ramp	X	X	X		X	X			Fix ponding



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 3C



Ramp 3D



Ramp 4A



Ramp 4C



Ramp 4D

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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

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 09275000 Checked By: SRA

Corridor : GPS ID: 1035
 Project Name: Intersection of 5th 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)	857	SF	6.00	5,142.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	26.00	1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	60.00	-
NDOT 2021260	REMOVAL OF SIDEWALK	657	SF	2.00	1,314.00
NDOT 6230515	PEDESTRIAN PUSH BUTTON POST	2	EA	250.00	500.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	1.00	-
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	474	LF	6.00	2,844.00
---	PEDESTRIAN PUSH BUTTON (APS)	0	EA	1,200.00	-
NDOT 6231395	REMOVE PEDESTRIAN PUSH BUTTON AND SIGN	0	EA	100.00	-
NDOT 6231495	REMOVE AND RESET PEDESTRIAN PUSH BUTTON AND SIGN	2	EA	300.00	600.00
NDOT 6230745	PEDESTRIAN SIGNAL HEAD 3W	0	EA	650.00	-
---	PEDESTRIAN PUSH BUTTON SIGN	8	EA	150.00	1,200.00
---	REMOVE PEDESTRIAN PUSH BUTTON SIGN	8	EA	50.00	400.00
---	REPAVE ROADWAY	4	LS	5,000.00	20,000.00
---	FIX PONDING	4	LS	2,000.00	8,000.00
---	FIX CURB RAMP TRANSITION	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	4	LS	2,000.00	8,000.00

Basis for Cost Projection		Subtotal:	\$	53,040.00
<input checked="" type="checkbox"/>	No Design Completed	Engineering: (% +/-)	15%	\$ 8,125.71
<input type="checkbox"/>	Preliminary Design	Contingency: (% +/-)	20%	\$ 10,834.29
<input type="checkbox"/>	Final Design	Estimated Project Cost:		\$ 72,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Dangerous	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 5%					
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					
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				Remove and replace curb ramp
Cut-thru ramp cross slope is greater than 5%					
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	
Temporary obstruction (>0.25') in curb ramp/landing/flares					
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	Install landing area
Landing area is less than 5' x 5' or slopes greater than 2%					
Missing or no pedestrian push buttons					
Pedestrian push button is offset more than 5' from the nearest crosswalk edge		X		X	Install pedestal pole and relocate pedestrian push buttons
Pedestrian push button offset more than 10' from curb face					
Pedestrian push button is not parallel to crosswalk					
Pedestrian push button height is greater than 48"					
Pedestrian push button diameter is not 2"					
Pedestrian push button sign does not exist					
Pedestrian push button sign is not MUTCD approved	X	X	X	X	Remove and replace pedestrian push button sign
Clear floor space does not exist and is needed		X		X	Install clear floor space
Clear floor space for pedestrian push button is less than 30" x 48" or has a slope greater than 2%	X	X	X		Remove and replace clear floor space
Missing or no pedestrian signal heads					
Curb ramp transition onto roadway is greater than 0.25"	X		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	X	Fix curb ramp counter slope
Ponding occurs at base of curb ramp	X	X	X	X	Fix ponding



Ramp 1A



Ramp 2A



Ramp 3A



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



Ramp 1A



Ramp 1C



Ramp 2A



Ramp 2B



Ramp 3A



Ramp 3B



Ramp 4A

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Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 09275000 Checked By: SRA

Corridor : GPS ID: 1039
 Project Name: Intersection of Little Ln and Rook 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)	594	SF	\$ 6.00	\$ 3,564.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	10	SF	\$ 60.00	\$ 600.00
NDOT 2021260	REMOVAL OF SIDEWALK	394	SF	\$ 2.00	\$ 788.00
NDOT 6230515	PEDESTRIAN PUSH BUTTON POST	1	EA	\$ 250.00	\$ 250.00
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
---	PEDESTRIAN PUSH BUTTON (APS)	0	EA	\$ 1,200.00	\$ -
NDOT 6231395	REMOVE PEDESTRIAN PUSH BUTTON AND SIGN	0	EA	\$ 100.00	\$ -
NDOT 6231495	REMOVE AND RESET PEDESTRIAN PUSH BUTTON AND SIGN	2	EA	\$ 300.00	\$ 600.00
NDOT 6230745	PEDESTRIAN SIGNAL HEAD 3W	0	EA	\$ 650.00	\$ -
---	PEDESTRIAN PUSH BUTTON SIGN	8	EA	\$ 150.00	\$ 1,200.00
---	REMOVE PEDESTRIAN PUSH BUTTON SIGN	8	EA	\$ 50.00	\$ 400.00
---	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		Subtotal:	\$ 33,950.00
<input checked="" type="checkbox"/> No Design Completed		Engineering: (% +/-)	15% \$ 5,164.29
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 6,885.71
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$ 46,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Good	Poor	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 5%					
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					
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	Remove and replace curb ramp
Cut-thru ramp cross slope is greater than 5%					
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	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				
Landing area is less than 5' x 5' or slopes greater than 2%		X	X		Remove and replace landing area
Missing or no pedestrian push buttons					
Pedestrian push button is offset more than 5' from the nearest crosswalk edge	X				Install pedestal pole and relocate pedestrian push buttons
Pedestrian push button offset more than 10' from curb face	X				
Pedestrian push button is not parallel to crosswalk					
Pedestrian push button height is greater than 48"					
Pedestrian push button diameter is not 2"					
Pedestrian push button sign does not exist					
Pedestrian push button sign is not MUTCD approved	X	X	X	X	Remove and replace pedestrian push button sign
Clear floor space does not exist and is needed	X		X		
Clear floor space for pedestrian push button is less than 30" x 48" or has a slope greater than 2%		X		X	Remove and replace clear floor space
Missing or no pedestrian signal heads					
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



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

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 09275000 Checked By: SRA

Corridor : GPS ID: 1040
 Project Name: Intersection of Roop St and Long 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)	529	SF	6.00	3,174.00
NDOT 6130130	DETECTABLE WARNINGS	30	SF	26.00	780.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	60.00	-
NDOT 2021260	REMOVAL OF SIDEWALK	491	SF	2.00	982.00
NDOT 6230515	PEDESTRIAN PUSH BUTTON POST	1	EA	250.00	250.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	1.00	-
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	282	LF	6.00	1,692.00
---	PEDESTRIAN PUSH BUTTON (APS)	0	EA	1,200.00	-
NDOT 6231395	REMOVE PEDESTRIAN PUSH BUTTON AND SIGN	0	EA	100.00	-
NDOT 6231495	REMOVE AND RESET PEDESTRIAN PUSH BUTTON AND SIGN	1	EA	300.00	300.00
NDOT 6230745	PEDESTRIAN SIGNAL HEAD 3W	0	EA	650.00	-
---	PEDESTRIAN PUSH BUTTON SIGN	8	EA	150.00	1,200.00
---	REMOVE PEDESTRIAN PUSH BUTTON SIGN	8	EA	50.00	400.00
---	REPAVE ROADWAY	0	LS	5,000.00	-
---	FIX PONDING	5	LS	2,000.00	10,000.00
---	FIX CURB RAMP TRANSITION	0	LS	2,000.00	-
---	MEDIAN NOSE MODIFICATION	0	LS	5,000.00	-
---	REMOVE TEMPORARY OBSTRUCTION	3	LS	500.00	1,500.00
---	FIX CURB RAMP COUNTER SLOPE	8	LS	2,000.00	16,000.00
				Subtotal:	\$ 36,278.00
				Engineering: (% +/-)	15% \$ 5,452.29
				Contingency: (% +/-)	20% \$ 7,269.71
				Estimated Project Cost:	\$ 49,000.00

- Basis for Cost Projection
- No Design Completed
 - Preliminary Design
 - Final Design

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 5%					
Crosswalk width is less than 6'					
Crosswalk striping condition	Worn	Worn	Good	Worn	Remove and replace crosswalk pavement markings

Curb Ramp Issues	Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp)								Recommendations
	1A	1B	2A	2B	3A	3B	4A	4B	
Curb ramp does not exist and is needed									
Curb ramp does not land in crosswalk			X						Remove and replace crosswalk pavement markings
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							Remove and replace curb ramp
Cut-thru ramp cross slope is greater than 5%									
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 temporary obstruction
Temporary obstruction (>0.25') in curb ramp/landing/flares	X								
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	X	X	X	X	X	X	Remove and replace landing area
Missing or no pedestrian push buttons									
Pedestrian push button is offset more than 5' from the nearest crosswalk edge	X								Install pedestal pole and relocate pedestrian push buttons
Pedestrian push button offset more than 10' from curb face									
Pedestrian push button is not parallel to crosswalk									
Pedestrian push button height is greater than 48"									
Pedestrian push button diameter is not 2"									
Pedestrian push button sign does not exist									
Pedestrian push button sign is not MUTCD approved	X	X	X	X	X	X	X	X	Remove and replace pedestrian push button sign
Clear floor space does not exist and is needed									
Clear floor space for pedestrian push button is less than 30" x 48" or has a slope greater than 2%	X	X	X	X	X	X	X	X	Remove and replace clear floor space
Missing or no pedestrian signal heads									
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	X	X	X	X	Fix curb ramp counter slope
Ponding occurs at base of curb ramp	X		X	X			X	X	Fix ponding



Ramp 1A



Ramp 1B



Ramp 2A



Ramp 2B



Ramp 3A



Ramp 3B



Ramp 4A



Ramp 4B

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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

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 : GPS ID: 1043
 Project Name: Intersection of Roop St and Winnie 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)	36	LF	\$ 32.00	\$ 1,152.00
NDOT 5020750	CLASS AA CONCRETE (MINOR)	721	SF	\$ 6.00	\$ 4,326.00
NDOT 6130130	DETECTABLE WARNINGS	90	SF	\$ 26.00	\$ 2,340.00
---	TACTILE WARNING DEVICE - RETROFIT	10	SF	\$ 60.00	\$ 600.00
NDOT 2021260	REMOVAL OF SIDEWALK	191	SF	\$ 2.00	\$ 382.00
NDOT 6230515	PEDESTRIAN PUSH BUTTON POST	5	EA	\$ 250.00	\$ 1,250.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	260	LF	\$ 6.00	\$ 1,560.00
---	PEDESTRIAN PUSH BUTTON (APS)	4	EA	\$ 1,200.00	\$ 4,800.00
NDOT 6231395	REMOVE PEDESTRIAN PUSH BUTTON AND SIGN	0	EA	\$ 100.00	\$ -
NDOT 6231495	REMOVE AND RESET PEDESTRIAN PUSH BUTTON AND SIGN	1	EA	\$ 300.00	\$ 300.00
NDOT 6230745	PEDESTRIAN SIGNAL HEAD 3W	4	EA	\$ 650.00	\$ 2,600.00
---	PEDESTRIAN PUSH BUTTON SIGN	2	EA	\$ 150.00	\$ 300.00
---	REMOVE PEDESTRIAN PUSH BUTTON SIGN	2	EA	\$ 50.00	\$ 100.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	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	2	LS	\$ 500.00	\$ 1,000.00
---	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:	\$	33,710.00
Engineering: (% +/-)	15%	\$ 5,267.14
Contingency: (% +/-)	20%	\$ 7,022.86
Estimated Project Cost:	\$	46,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Good	N/A	Good	Poor	Repave roadway and install crosswalk pavement markings
Path of travel running slope is greater than 5%		N/A			
Path of travel cross slope is greater than 5%		N/A			
Crosswalk width is less than 6'	N/A	N/A		N/A	
Crosswalk striping condition	None	N/A	Worn	None	Remove and replace crosswalk pavement markings

Curb Ramp Issues	Curb Ramp ID ('z' or 'i' in ramp label indicates no existing ramp)						Recommendations
	1i	1z	2z	3A	4A	4C	
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							
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%							Remove and replace curb ramp
Cut-thru ramp cross slope is greater than 5%							
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 temporary obstruction
Temporary obstruction (>0.25') in curb ramp/landing/flares		X				X	For intersection ramps and commercial driveway ramps, install color truncated domes
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	X		Install pedestal pole and APS push buttons
Missing or no pedestrian push buttons	X		X			X	Install pedestal pole and relocate pedestrian push buttons
Pedestrian push button is offset more than 5' from the nearest crosswalk edge				X			
Pedestrian push button offset more than 10' from curb face							
Pedestrian push button is not parallel to crosswalk							
Pedestrian push button height is greater than 48"							
Pedestrian push button diameter is not 2"							
Pedestrian push button sign does not exist							
Pedestrian push button sign is not MUTCD approved				X		X	Remove and replace pedestrian push button sign
Clear floor space does not exist and is needed	X		X	X		X	Install clear floor space
Clear floor space for pedestrian push button is less than 30" x 48" or has a slope greater than 2%							
Missing or no pedestrian signal heads	X		X			X	Install countdown pedestrian signal head
Curb ramp transition onto roadway is greater than 0.25"					X		Fix curb ramp counter slope
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%					X		Fix ponding
Ponding occurs at base of curb ramp				X	X	X	



Island 1 No Ramp (1f)



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A



Ramp 4C

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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

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 09275000 Checked By: SRA

Corridor : GPS ID: 1046
 Project Name: Intersection of 5th St and Stewart 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)	794	SF	6.00	4,764.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	26.00	1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	60.00	-
NDOT 2021260	REMOVAL OF SIDEWALK	638	SF	2.00	1,276.00
NDOT 6230515	PEDESTRIAN PUSH BUTTON POST	0	EA	250.00	-
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	1.00	-
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	728	LF	6.00	4,368.00
---	PEDESTRIAN PUSH BUTTON (APS)	0	EA	1,200.00	-
NDOT 6231395	REMOVE PEDESTRIAN PUSH BUTTON AND SIGN	0	EA	100.00	-
NDOT 6231495	REMOVE AND RESET PEDESTRIAN PUSH BUTTON AND SIGN	4	EA	300.00	1,200.00
NDOT 6230745	PEDESTRIAN SIGNAL HEAD 3W	0	EA	650.00	-
---	PEDESTRIAN PUSH BUTTON SIGN	8	EA	150.00	1,200.00
---	REMOVE PEDESTRIAN PUSH BUTTON SIGN	8	EA	50.00	400.00
---	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	0	LS	500.00	-
---	FIX CURB RAMP COUNTER SLOPE	3	LS	2,000.00	6,000.00

Basis for Cost Projection		Subtotal: \$	48,248.00
<input checked="" type="checkbox"/> No Design Completed		Engineering: (% +/-)	15% \$ 7,608.00
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 10,144.00
<input type="checkbox"/> Final Design		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 5%					
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					
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			Remove and replace curb ramp
Cut-thru ramp cross slope is greater than 5%					
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	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	Install landing area
Landing area is less than 5' x 5' or slopes greater than 2%	X	X			Remove and replace landing area
Missing or no pedestrian push buttons					
Pedestrian push button is offset more than 5' from the nearest crosswalk edge					
Pedestrian push button offset more than 10' from curb face					
Pedestrian push button is not parallel to crosswalk					
Pedestrian push button height is greater than 48"		X	X		Relocate pedestrian push buttons
Pedestrian push button diameter is not 2"					
Pedestrian push button sign does not exist					
Pedestrian push button sign is not MUTCD approved	X	X	X	X	Remove and replace pedestrian push button sign
Clear floor space does not exist and is needed	X	X		X	Install clear floor space
Clear floor space for pedestrian push button is less than 30" x 48" or has a slope greater than 2%			X		Remove and replace clear floor space
Missing or no pedestrian signal heads					
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	Fix curb ramp counter slope
Ponding occurs at base of curb ramp	X	X	X	X	Fix ponding



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

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 09275000 Checked By: SRA

Corridor : GPS ID: 1048
 Project Name: Intersection of Robinson St and Stewart 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)	886	SF	\$ 6.00	\$ 5,316.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	791	SF	\$ 2.00	\$ 1,582.00
NDOT 6230515	PEDESTRIAN PUSH BUTTON POST	0	EA	\$ 250.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	337	LF	\$ 6.00	\$ 2,022.00
---	PEDESTRIAN PUSH BUTTON (APS)	0	EA	\$ 1,200.00	\$ -
NDOT 6231395	REMOVE PEDESTRIAN PUSH BUTTON AND SIGN	0	EA	\$ 100.00	\$ -
NDOT 6231495	REMOVE AND RESET PEDESTRIAN PUSH BUTTON AND SIGN	8	EA	\$ 300.00	\$ 2,400.00
NDOT 6230745	PEDESTRIAN SIGNAL HEAD 3W	0	EA	\$ 650.00	\$ -
---	PEDESTRIAN PUSH BUTTON SIGN	8	EA	\$ 150.00	\$ 1,200.00
---	REMOVE PEDESTRIAN PUSH BUTTON SIGN	8	EA	\$ 50.00	\$ 400.00
---	REPAVE ROADWAY	4	LS	\$ 5,000.00	\$ 20,000.00
---	FIX PONDING	4	LS	\$ 2,000.00	\$ 8,000.00
---	FIX CURB RAMP TRANSITION	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:	\$	49,960.00
Engineering: (% +/-)	15%	\$ 7,731.43
Contingency: (% +/-)	20%	\$ 10,308.57
Estimated Project Cost:	\$	68,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Dangerous	Dangerous	Dangerous	Dangerous	Repare roadway and install crosswalk pavement markings
Path of travel running slope is greater than 5%		X			
Path of travel cross slope is greater than 5%					
Crosswalk width is less than 6'					Remove and replace crosswalk pavement markings
Crosswalk striping condition	Good	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 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	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 5%						
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		
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%						
Missing or no pedestrian push buttons						Relocate pedestrian push buttons
Pedestrian push button is offset more than 5' from the nearest crosswalk edge						
Pedestrian push button offset more than 10' from curb face						
Pedestrian push button is not parallel to crosswalk						
Pedestrian push button height is greater than 48"	X	X	X	X		
Pedestrian push button diameter is not 2"						
Pedestrian push button sign does not exist					Remove and replace pedestrian push button sign Install clear floor space	
Pedestrian push button sign is not MUTCD approved	X	X	X	X		
Clear floor space does not exist and is needed		X				
Clear floor space for pedestrian push button is less than 30" x 48" or has a slope greater than 2%	X		X	X	Remove and replace clear floor space	
Missing or no pedestrian signal heads					Fix curb ramp transition Fix curb ramp counter slope Fix ponding	
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	X	X		



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

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 : GPS ID: 1049
 Project Name: Intersection of Roop St and Stewart 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)	36	LF	\$ 32.00	\$ 1,152.00
NDOT 5020750	CLASS AA CONCRETE (MINOR)	397	SF	\$ 6.00	\$ 2,382.00
NDOT 6130130	DETECTABLE WARNINGS	50	SF	\$ 26.00	\$ 1,300.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	227	SF	\$ 2.00	\$ 454.00
NDOT 6230515	PEDESTRIAN PUSH BUTTON POST	1	EA	\$ 250.00	\$ 250.00
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
---	PEDESTRIAN PUSH BUTTON (APS)	0	EA	\$ 1,200.00	\$ 1,200.00
NDOT 6231395	REMOVE PEDESTRIAN PUSH BUTTON AND SIGN	0	EA	\$ 100.00	\$ -
NDOT 6231495	REMOVE AND RESET PEDESTRIAN PUSH BUTTON AND SIGN	0	EA	\$ 300.00	\$ -
NDOT 6230745	PEDESTRIAN SIGNAL HEAD 3W	1	EA	\$ 650.00	\$ 650.00
---	PEDESTRIAN PUSH BUTTON SIGN	4	EA	\$ 150.00	\$ 600.00
---	REMOVE PEDESTRIAN PUSH BUTTON SIGN	4	EA	\$ 50.00	\$ 200.00
---	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	1	LS	\$ 500.00	\$ 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:	\$	27,596.00
Engineering: (% +/-)	15%	\$ 4,458.86
Contingency: (% +/-)	20%	\$ 5,945.14
Estimated Project Cost:	\$	38,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Good	N/A	Poor	Good	Repare roadway and install crosswalk pavement markings
Path of travel running slope is greater than 5%		N/A			
Path of travel cross slope is greater than 5%		N/A			
Crosswalk width is less than 6'	N/A	N/A			Install crosswalk pavement markings
Crosswalk striping condition	None	N/A	Good	Worn	

Curb Ramp Issues	Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp)						Recommendations
	1A	1C	2z	3A	4A	4B	
Curb ramp does not exist and is needed			X				Install curb ramp
Curb ramp does not land in crosswalk		X					Remove and replace crosswalk pavement markings
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						Remove and replace curb ramp
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 5%							
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 temporary obstruction
Temporary obstruction (>0.25') in curb ramp/landing/flares			X				For intersection ramps and commercial driveway ramps, install color truncated domes
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		X	X	X		Install pedestal pole and APS push buttons
Missing or no pedestrian push buttons			X				
Pedestrian push button is offset more than 5' from the nearest crosswalk edge							
Pedestrian push button offset more than 10' from curb face							
Pedestrian push button is not parallel to crosswalk							
Pedestrian push button height is greater than 48"							
Pedestrian push button diameter is not 2"							
Pedestrian push button sign does not exist							
Pedestrian push button sign is not MUTCD approved		X	X	X	X	X	Remove and replace pedestrian push button sign
Clear floor space does not exist and is needed		X	X	X	X	X	Install clear floor space
Clear floor space for pedestrian push button is less than 30" x 48" or has a slope greater than 2%							
Missing or no pedestrian signal heads			X				Install countdown pedestrian signal head
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 curb ramp counter slope
Ponding occurs at base of curb ramp				X		X	Fix ponding



Ramp 1A



Ramp 1C



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A



Ramp 4B

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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

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 09275000 Checked By: SRA

Corridor : GPS ID: 1050
 Project Name: Intersection of Stewart St and Washington 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)	506	SF	\$ 6.00	\$ 3,036.00
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	444	SF	\$ 2.00	\$ 888.00
NDOT 6230515	PEDESTRIAN PUSH BUTTON POST	0	EA	\$ 250.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	358	LF	\$ 6.00	\$ 2,148.00
---	PEDESTRIAN PUSH BUTTON (APS)	0	EA	\$ 1,200.00	\$ -
NDOT 6231395	REMOVE PEDESTRIAN PUSH BUTTON AND SIGN	0	EA	\$ 100.00	\$ -
NDOT 6231495	REMOVE AND RESET PEDESTRIAN PUSH BUTTON AND SIGN	0	EA	\$ 300.00	\$ -
NDOT 6230745	PEDESTRIAN SIGNAL HEAD 3W	0	EA	\$ 650.00	\$ -
---	PEDESTRIAN PUSH BUTTON SIGN	8	EA	\$ 150.00	\$ 1,200.00
---	REMOVE PEDESTRIAN PUSH BUTTON SIGN	8	EA	\$ 50.00	\$ 400.00
---	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	4	LS	\$ 2,000.00	\$ 8,000.00
				Subtotal:	\$ 26,792.00
				Engineering: (% +/-)	15% \$ 4,374.86
				Contingency: (% +/-)	20% \$ 5,833.14
				Estimated Project Cost:	\$ 37,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Poor	Dangerous	Good	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 5%					
Crosswalk width is less than 6'					Remove and replace crosswalk pavement markings
Crosswalk striping condition	Good	Worn	Good	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					
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%					Remove and replace curb ramp
Cut-thru ramp cross slope is greater than 5%					
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	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			Install landing area
Landing area is less than 5' x 5' or slopes greater than 2%			X		Remove and replace landing area
Missing or no pedestrian push buttons					
Pedestrian push button is offset more than 5' from the nearest crosswalk edge					
Pedestrian push button offset more than 10' from curb face					
Pedestrian push button is not parallel to crosswalk					
Pedestrian push button height is greater than 48"					
Pedestrian push button diameter is not 2"					
Pedestrian push button sign does not exist					
Pedestrian push button sign is not MUTCD approved	X	X	X	X	Remove and replace pedestrian push button sign
Clear floor space does not exist and is needed		X			Install clear floor space
Clear floor space for pedestrian push button is less than 30" x 48" or has a slope greater than 2%	X		X	X	Remove and replace clear floor space
Missing or no pedestrian signal heads					
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 curb ramp counter slope
Ponding occurs at base of curb ramp					



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

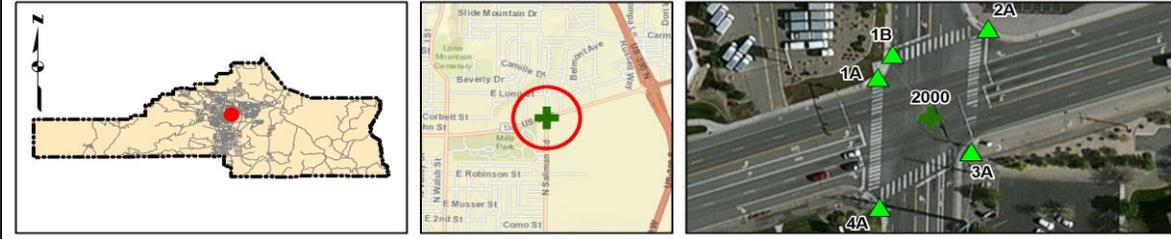
Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 092775000 Checked By: SRA

Corridor : GPS ID: 2000
 Project Name: Intersection of Saliman Rd and William 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)	690	SF	\$ 6.00	\$ 4,140.00
NDOT 6130130	DETECTABLE WARNINGS	50	SF	\$ 26.00	\$ 1,300.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	540	SF	\$ 2.00	\$ 1,080.00
NDOT 6230515	PEDESTRIAN PUSH BUTTON POST	1	EA	\$ 250.00	\$ 250.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	366	LF	\$ 6.00	\$ 2,196.00
---	PEDESTRIAN PUSH BUTTON (APS)	0	EA	\$ 1,200.00	\$ -
NDOT 6231395	REMOVE PEDESTRIAN PUSH BUTTON AND SIGN	0	EA	\$ 100.00	\$ -
NDOT 6231495	REMOVE AND RESET PEDESTRIAN PUSH BUTTON AND SIGN	4	EA	\$ 300.00	\$ 1,200.00
NDOT 6230745	PEDESTRIAN SIGNAL HEAD 3W	0	EA	\$ 650.00	\$ -
---	PEDESTRIAN PUSH BUTTON SIGN	8	EA	\$ 150.00	\$ 1,200.00
---	REMOVE PEDESTRIAN PUSH BUTTON SIGN	8	EA	\$ 50.00	\$ 400.00
---	REPAVE ROADWAY	2	LS	\$ 5,000.00	\$ 10,000.00
---	FIX PONDING	4	LS	\$ 2,000.00	\$ 8,000.00
---	FIX CURB RAMP TRANSITION	1	LS	\$ 2,000.00	\$ 2,000.00
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	2	LS	\$ 500.00	\$ 1,000.00
---	FIX CURB RAMP COUNTER SLOPE	5	LS	\$ 2,000.00	\$ 10,000.00

Basis for Cost Projection		Subtotal:	\$ 42,766.00
<input checked="" type="checkbox"/> No Design Completed		Engineering: (% +/-)	15% \$ 6,528.86
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 8,705.14
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$ 58,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Poor	Good	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 5%					
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	1B	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				X		Remove and replace crosswalk pavement markings
Curbed side is not 90° or has traversable adjacent surface	X	X		X		
Flare cross slope is greater than .10%						
Curb ramp running slope is greater than 8.33%	X	X		X	X	Remove and replace curb ramp
Blended transition running slope is greater than 5%				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 5%						
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 temporary obstruction
Temporary obstruction (>0.25') in curb ramp/landing/flares	X	X				
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	X	X	X	Remove and replace landing area
Missing or no pedestrian push buttons						
Pedestrian push button is offset more than 5' from the nearest crosswalk edge				X		Install pedestal pole and relocate pedestrian push buttons
Pedestrian push button offset more than 10' from curb face						
Pedestrian push button is not parallel to crosswalk						
Pedestrian push button height is greater than 48"	X	X			X	Relocate pedestrian push buttons
Pedestrian push button diameter is not 2"						
Pedestrian push button sign does not exist						
Pedestrian push button sign is not MUTCD approved	X	X	X	X	X	Remove and replace pedestrian push button sign
Clear floor space does not exist and is needed			X	X	X	Install clear floor space
Clear floor space for pedestrian push button is less than 30' x 48" or has a slope greater than 2%					X	Remove and replace clear floor space
Missing or no pedestrian signal heads						
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	X	X	Fix curb ramp counter slope
Ponding occurs at base of curb ramp	X	X		X	X	Fix ponding



Ramp 1A



Ramp 1B



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

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 09275000 Checked By: SRA

Corridor : GPS ID: 2001
 Project Name: Intersection of Carson St and William 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)	854	SF	\$ 6.00	\$ 5,124.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	759	SF	\$ 2.00	\$ 1,518.00
NDOT 6230515	PEDESTRIAN PUSH BUTTON POST	1	EA	\$ 250.00	\$ 250.00
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
---	PEDESTRIAN PUSH BUTTON (APS)	0	EA	\$ 1,200.00	\$ -
NDOT 6231395	REMOVE PEDESTRIAN PUSH BUTTON AND SIGN	0	EA	\$ 100.00	\$ -
NDOT 6231495	REMOVE AND RESET PEDESTRIAN PUSH BUTTON AND SIGN	5	EA	\$ 300.00	\$ 1,500.00
NDOT 6230745	PEDESTRIAN SIGNAL HEAD 3W	0	EA	\$ 650.00	\$ -
---	PEDESTRIAN PUSH BUTTON SIGN	8	EA	\$ 150.00	\$ 1,200.00
---	REMOVE PEDESTRIAN PUSH BUTTON SIGN	8	EA	\$ 50.00	\$ 400.00
---	REPAVE ROADWAY	3	LS	\$ 5,000.00	\$ 15,000.00
---	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	3	LS	\$ 2,000.00	\$ 6,000.00

Basis for Cost Projection		Subtotal:	\$ 36,420.00
<input checked="" type="checkbox"/> No Design Completed		Engineering: (% +/-)	15% \$ 5,820.00
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 7,760.00
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$ 50,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Poor	Good	Dangerous	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 5%					
Crosswalk width is less than 6'					
Crosswalk striping condition	Worn	Good	Worn	Good	Remove and replace 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					
Curb ramp does not land in crosswalk					
No 4' x 4' clear space at base of curb ramp				X	Remove and replace crosswalk pavement markings
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		X	Remove and replace curb ramp
Cut-thru ramp cross slope is greater than 5%					
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	
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	Install landing area
Landing area does not exist and is needed		X	X	X	Remove and replace landing area
Landing area is less than 5' x 5' or slopes greater than 2%	X	X			
Missing or no pedestrian push buttons					
Pedestrian push button is offset more than 5' from the nearest crosswalk edge			X		Install pedestal pole and relocate pedestrian push buttons
Pedestrian push button offset more than 10' from curb face					
Pedestrian push button is not parallel to crosswalk					
Pedestrian push button height is greater than 48"	X			X	Relocate pedestrian push buttons
Pedestrian push button diameter is not 2"					
Pedestrian push button sign does not exist					
Pedestrian push button sign is not MUTCD approved	X	X	X	X	Remove and replace pedestrian push button sign
Clear floor space does not exist and is needed	X			X	Install clear floor space
Clear floor space for pedestrian push button is less than 30" x 48" or has a slope greater than 2%		X	X	X	Remove and replace clear floor space
Missing or no pedestrian signal heads					
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					



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

Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 09275000 Checked By: SRA

Corridor : GPS ID: 2002
 Project Name: Intersection of Stewart St and William 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)	986	SF	6.00	5,916.00
NDOT 6130130	DETECTABLE WARNINGS	70	SF	26.00	1,820.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	60.00	-
NDOT 2021260	REMOVAL OF SIDEWALK	919	SF	2.00	1,838.00
NDOT 6230515	PEDESTRIAN PUSH BUTTON POST	1	EA	250.00	250.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	1.00	-
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	82	LF	6.00	492.00
---	PEDESTRIAN PUSH BUTTON (APS)	0	EA	1,200.00	-
NDOT 6231395	REMOVE PEDESTRIAN PUSH BUTTON AND SIGN	0	EA	100.00	-
NDOT 6231495	REMOVE AND RESET PEDESTRIAN PUSH BUTTON AND SIGN	2	EA	300.00	600.00
NDOT 6230745	PEDESTRIAN SIGNAL HEAD 3W	0	EA	650.00	-
---	PEDESTRIAN PUSH BUTTON SIGN	8	EA	150.00	1,200.00
---	REMOVE PEDESTRIAN PUSH BUTTON SIGN	8	EA	50.00	400.00
---	REPAVE ROADWAY	1	LS	5,000.00	5,000.00
---	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	2	LS	500.00	1,000.00
---	FIX CURB RAMP COUNTER SLOPE	5	LS	2,000.00	10,000.00

Basis for Cost Projection		Subtotal:	\$	36,516.00
<input checked="" type="checkbox"/> No Design Completed		Engineering: (% +/-)	15%	\$ 5,778.86
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20%	\$ 7,705.14
<input type="checkbox"/> Final Design		Estimated Project Cost:		\$ 50,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Good	Poor	Good	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 5%					
Crosswalk width is less than 6'					Remove and replace crosswalk pavement markings
Crosswalk striping condition	Good	Worn	Good	Good	

Curb Ramp Issues	Curb Ramp ID ('2' or '1' in ramp label indicates no existing ramp)							Recommendations
	1A	1B	2A	2B	3A	4A	4B	
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	X	X	X	X				
Flare cross slope is greater than .10%					X	X	X	
Curb ramp running slope is greater than 8.33%					X			
Blended transition running slope is greater than 5%					X			
Cut-thru ramp running slope is greater than 5%					X			
Curb ramp cross slope is greater than 2%				X				Remove and replace curb ramp
Cut-thru ramp cross slope is greater than 5%				X				
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 temporary obstruction
Temporary obstruction (>0.25') in curb ramp/landing/flares	X	X						For intersection ramps and commercial driveway ramps, install color truncated domes
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	X	X	X	X	X	X	
Missing or no pedestrian push buttons								
Pedestrian push button is offset more than 5' from the nearest crosswalk edge			X					Install pedestal pole and relocate pedestrian push buttons
Pedestrian push button offset more than 10' from curb face								
Pedestrian push button is not parallel to crosswalk								
Pedestrian push button height is greater than 48"					X			Relocate pedestrian push buttons
Pedestrian push button diameter is not 2"								
Pedestrian push button sign does not exist								
Pedestrian push button sign is not MUTCD approved	X	X	X	X	X	X	X	Remove and replace pedestrian push button sign
Clear floor space does not exist and is needed	X				X		X	Install clear floor space
Clear floor space for pedestrian push button is less than 30" x 48" or has a slope greater than 2%			X	X	X		X	Remove and replace clear floor space
Missing or no pedestrian signal heads								
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		X	Fix curb ramp counter slope
Ponding occurs at base of curb ramp	X	X	X				X	Fix ponding



Ramp 1A



Ramp 1B



Ramp 2A



Ramp 2B



Ramp 3A



Ramp 4A



Ramp 4B

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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

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 : GPS ID: 2003
 Project Name: Intersection of Roop St and William 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)	483	SF	6.00	2,898.00
NDOT 6130130	DETECTABLE WARNINGS	30	SF	26.00	780.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	60.00	-
NDOT 2021260	REMOVAL OF SIDEWALK	397	SF	2.00	794.00
NDOT 6230515	PEDESTRIAN PUSH BUTTON POST	1	EA	250.00	250.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	1.00	-
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	0	LF	6.00	-
---	PEDESTRIAN PUSH BUTTON (APS)	0	EA	1,200.00	-
NDOT 6231395	REMOVE PEDESTRIAN PUSH BUTTON AND SIGN	0	EA	100.00	-
NDOT 6231495	REMOVE AND RESET PEDESTRIAN PUSH BUTTON AND SIGN	4	EA	300.00	1,200.00
NDOT 6230745	PEDESTRIAN SIGNAL HEAD 3W	1	EA	650.00	650.00
---	PEDESTRIAN PUSH BUTTON SIGN	8	EA	150.00	1,200.00
---	REMOVE PEDESTRIAN PUSH BUTTON SIGN	8	EA	50.00	400.00
---	REPAVE ROADWAY	0	LS	5,000.00	-
---	FIX PONDING	5	LS	2,000.00	10,000.00
---	FIX CURB RAMP TRANSITION	0	LS	2,000.00	-
---	MEDIAN NOSE MODIFICATION	0	LS	5,000.00	-
---	REMOVE TEMPORARY OBSTRUCTION	2	LS	500.00	1,000.00
---	FIX CURB RAMP COUNTER SLOPE	7	LS	2,000.00	14,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	33,172.00
Engineering: (% +/-)	15%	\$ 5,069.14
Contingency: (% +/-)	20%	\$ 6,758.86
Estimated Project Cost:	\$	45,000.00

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 5%					
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	1B	2A	2B	3A	3B	4A	4B	
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%	X								Remove and replace curb ramp
Cut-thru ramp cross slope is greater than 5%									
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 temporary obstruction
Temporary obstruction (>0.25') in curb ramp/landing/flares		X	X						
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	X	X	X	X	X	X	Remove and replace landing area
Missing or no pedestrian push buttons									
Pedestrian push button is offset more than 5' from the nearest crosswalk edge		X							Install pedestal pole and relocate pedestrian push buttons
Pedestrian push button offset more than 10' from curb face									
Pedestrian push button is not parallel to crosswalk									
Pedestrian push button height is greater than 48"	X	X			X	X			Relocate pedestrian push buttons
Pedestrian push button diameter is not 2"									
Pedestrian push button sign does not exist									
Pedestrian push button sign is not MUTCD approved	X	X	X	X	X	X	X	X	Remove and replace pedestrian push button sign
Clear floor space does not exist and is needed	X		X	X				X	Install clear floor space
Clear floor space for pedestrian push button is less than 30" x 48" or has a slope greater than 2%		X			X				Remove and replace clear floor space
Missing or no pedestrian signal heads			X						Install countdown pedestrian signal head
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	X	X		X	Fix curb ramp counter slope
Ponding occurs at base of curb ramp	X	X	X	X	X				Fix ponding



Ramp 1A



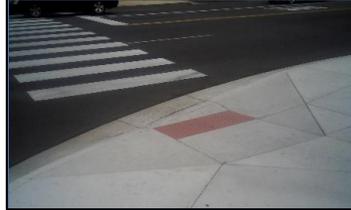
Ramp 1B



Ramp 2A



Ramp 2B



Ramp 3A



Ramp 3B



Ramp 4A



Ramp 4B

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Client: City of Carson City Date: 2/13/15
 Program: ADA Self-Evaluation and Transition Plan Prepared By: EPE
 KHA No.: 09275000 Checked By: SRA

Corridor : GPS ID: 90009
 Project Name: Intersection of College Pkwy (East Segment) and Lompa 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)	690	SF	\$ 6.00	\$ 4,140.00
NDOT 6130130	DETECTABLE WARNINGS	50	SF	\$ 26.00	\$ 1,300.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	356	SF	\$ 2.00	\$ 712.00
NDOT 6230515	PEDESTRIAN PUSH BUTTON POST	2	EA	\$ 250.00	\$ 500.00
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
---	PEDESTRIAN PUSH BUTTON (APS)	2	EA	\$ 1,200.00	\$ 2,400.00
NDOT 6231395	REMOVE PEDESTRIAN PUSH BUTTON AND SIGN	0	EA	\$ 100.00	\$ -
NDOT 6231495	REMOVE AND RESET PEDESTRIAN PUSH BUTTON AND SIGN	0	EA	\$ 300.00	\$ -
NDOT 6230745	PEDESTRIAN SIGNAL HEAD 3W	2	EA	\$ 650.00	\$ 1,300.00
---	PEDESTRIAN PUSH BUTTON SIGN	4	EA	\$ 150.00	\$ 600.00
---	REMOVE PEDESTRIAN PUSH BUTTON SIGN	4	EA	\$ 50.00	\$ 200.00
---	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	3	LS	\$ 2,000.00	\$ 6,000.00

Basis for Cost Projection		Subtotal:	\$ 35,044.00
<input checked="" type="checkbox"/> No Design Completed		Engineering: (% +/-)	15% \$ 5,552.57
<input type="checkbox"/> Preliminary Design		Contingency: (% +/-)	20% \$ 7,403.43
<input type="checkbox"/> Final Design		Estimated Project Cost:	\$ 48,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	N/A	Poor	Dangerous	Poor	Repave roadway and install crosswalk pavement markings
Path of travel running slope is greater than 5%	N/A				
Path of travel cross slope is greater than 5%	N/A				
Crosswalk width is less than 6'	N/A	N/A	X		
Crosswalk striping condition	N/A	None	Worn	Worn	Remove and replace 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					
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	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 5%					
Curb ramp width is less than 48"					Remove and replace curb ramp
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	
No color contrast at base of curb ramp	X		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%					
Missing or no pedestrian push buttons		X	X		
Pedestrian push button is offset more than 5' from the nearest crosswalk edge					
Pedestrian push button offset more than 10' from curb face					
Pedestrian push button is not parallel to crosswalk					
Pedestrian push button height is greater than 48"					
Pedestrian push button diameter is not 2"					
Pedestrian push button sign does not exist					
Pedestrian push button sign is not MUTCD approved	X		X	X	
Clear floor space does not exist and is needed	X	X	X	X	
Clear floor space for pedestrian push button is less than 30" x 48" or has a slope greater than 2%		X	X		
Missing or no pedestrian signal heads		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					



Ramp 1A



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A

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