



APPENDIX K

FACILITIES REPORTS – SIDEWALK CORRIDORS (INCLUDING UNSIGNALIZED INTERSECTIONS AND DRIVEWAYS)

City of Carson City
ADA Self-Evaluation and Transition Plan Update
Unsignalized Intersection Cost Projection Summary
2/13/2015

GPS ID	Project Name	Cost Projection	Priority
1	Intersection of College Pkwy (East Segment) and Challenger Way	\$ 25,000.00	5
2	Intersection of College Pkwy (East Segment) and Executive Pointe Way	\$ 20,000.00	5
3	Intersection of College Pkwy (East Segment) and Research Way	\$ 58,000.00	5
4	Intersection of College Pkwy (East Segment) and Silver Ln	\$ 43,000.00	5
5	Intersection of College Pkwy (East Segment) and Airport Rd	\$ 44,000.00	5
6	Intersection of College Pkwy (West Segment) and Cinnabar Ave	\$ 30,000.00	2
7	Intersection of College Pkwy (West Segment) and Diamond Ave	\$ 28,000.00	5
8	Intersection of College Pkwy (West Segment) and Granite Way	\$ 13,000.00	2
9	Intersection of College Pkwy (West Segment) and Imperial Way	\$ 29,000.00	2
10	Intersection of College Pkwy (West Segment) and Northgate Ln	\$ 45,000.00	2
11	Intersection of College Pkwy (West Segment) and Crest Valley Park	\$ 15,000.00	13
12	Intersection of Nye Ln and Bunch Way	\$ 32,000.00	6
13	Intersection of Nye Ln and Century Dr	\$ 10,000.00	6
14	Intersection of Nye Ln and Concord Dr	\$ 35,000.00	6
15	Intersection of Nye Ln and Dale Dr	\$ 8,000.00	13
16	Intersection of Nye Ln and Debbie Way	\$ 8,000.00	13
17	Intersection of Nye Ln and Dori Way	\$ 31,000.00	5
18	Intersection of Nye Ln and Gold Leaf Ln	\$ 8,000.00	13
19	Intersection of Nye Ln and Kit Sierra Way	\$ 8,000.00	13
20	Intersection of Nye Ln and Lorraine St	\$ 10,000.00	6
21	Intersection of Nye Ln and Lukens Ln	\$ 15,000.00	13
22	Intersection of Nye Ln and Mayflower Way	\$ 8,000.00	13
23	Intersection of Nye Ln and Poole Way	\$ 12,000.00	6
24	Intersection of Nye Ln and Riley Circle	\$ 29,000.00	6
25	Intersection of Nye Ln and Surrey Ln	\$ 8,000.00	13
26	Intersection of Nye Ln and Tenaya Dr	\$ 25,000.00	6
27	Intersection of Nye Ln and Viking Way	\$ 8,000.00	13
28	Intersection of Nye Ln and Airport Rd	\$ 15,000.00	13
29	Intersection of Nye Ln and College Pkwy	\$ 47,000.00	5
30	Intersection of Sherman Ln and Airport Rd	\$ 15,000.00	13
31	Intersection of Sherman Ln and Bel Aire Way	\$ 8,000.00	13
32	Intersection of Sherman Ln and Bunch Way (West)	\$ 8,000.00	13
33	Intersection of Sherman Ln and Bunch Way (East)	\$ 8,000.00	13
34	Intersection of Sherman Ln and Century Circle	\$ 28,000.00	6
35	Intersection of Sherman Ln and Century Dr	\$ 35,000.00	6
36	Intersection of Sherman Ln and Chanel Ln	\$ 1,000.00	13
37	Intersection of Sherman Ln and Concord Dr	\$ 25,000.00	6
38	Intersection of Sherman Ln and Dori Way	\$ 41,000.00	5
39	Intersection of Sherman Ln and Fairmont Way	\$ 25,000.00	6
40	Intersection of Sherman Ln and Kit Sierra Way	\$ 26,000.00	6
41	Intersection of Sherman Ln and Lorraine St	\$ 10,000.00	6
42	Intersection of Sherman Ln and Lukens Ln	\$ 10,000.00	6
43	Intersection of Sherman Ln and Mayflower Way (West)	\$ 8,000.00	13
44	Intersection of Sherman Ln and Mayflower Way (East)	\$ 10,000.00	6
45	Intersection of Sherman Ln and Poole Way (West)	\$ 8,000.00	13
46	Intersection of Sherman Ln and Poole Way (East)	\$ 10,000.00	6
47	Intersection of Sherman Ln and Sneddon Way	\$ 36,000.00	2
48	Intersection of Sherman Ln and Viking Way	\$ 8,000.00	13
49	Intersection of Sherman Ln and Lompa Ln	\$ 29,000.00	5
50	Intersection of Sherman Ln and College Pkwy	\$ 63,000.00	5
51	Intersection of Lompa Ln and Bryan Circle (South)	\$ 35,000.00	2
52	Intersection of Lompa Ln and Bryan Circle (North)	\$ 31,000.00	5

GPS ID	Project Name	Cost Projection	Priority
53	Intersection of Lompa Ln and Commerce Way	\$ 25,000.00	5
54	Intersection of Lompa Ln and Nye Ln	\$ 34,000.00	2
55	Intersection of Winnie Ln and El Rancho Dr	\$ 12,000.00	3
56	Intersection of Winnie Ln and F St	\$ 8,000.00	13
57	Intersection of Winnie Ln and Lone Mountain Dr	\$ 51,000.00	2
58	Intersection of Winnie Ln and Michael Dr	\$ 36,000.00	2
59	Intersection of Winnie Ln and Russett Way	\$ 37,000.00	2
60	Intersection of Winnie Ln and Victoria Ln	\$ 40,000.00	2
62	Intersection of Winnie Ln and Ormsby Blvd	\$ 22,000.00	5
64	Intersection of Mountain St and Adaline St	\$ 5,000.00	3
65	Intersection of Mountain St and Bath St	\$ 34,000.00	2
66	Intersection of Mountain St and Fleischmann Way	\$ 13,000.00	3
67	Intersection of Mountain St and Ivy St	\$ 35,000.00	2
68	Intersection of Mountain St and Marlette Dr	\$ 7,000.00	3
69	Intersection of Mountain St and Tahoe Dr (South)	\$ 14,000.00	3
70	Intersection of Mountain St and Tahoe Dr (North)	\$ 5,000.00	3
71	Intersection of Mountain St and Topaz Dr	\$ 7,000.00	3
72	Intersection of Mountain St and Caroline St	\$ 14,000.00	2
73	Intersection of Mountain St and Musser St	\$ 49,000.00	4
74	Intersection of Mountain St and Robinson St	\$ 39,000.00	2
75	Intersection of Mountain St and Spear St	\$ 12,000.00	6
76	Intersection of Mountain St and Telegraph St	\$ 51,000.00	4
77	Intersection of Mountain St and Winnie Ln	\$ 51,000.00	5
78	Intersection of Mountain St and Long St	\$ 35,000.00	4
79	Intersection of Mountain St and Washington St	\$ 25,000.00	2
80	Intersection of Mountain St and King's Canyon Rd	\$ 52,000.00	2
81	Intersection of Division St and Adaline St	\$ 27,000.00	6
82	Intersection of Division St and Bath St	\$ 20,000.00	3
83	Intersection of Division St and Fleischmann Way	\$ 51,000.00	2
84	Intersection of Division St and Miller Way	\$ 12,000.00	13
85	Intersection of Division St and Pine View Way	\$ 20,000.00	5
86	Intersection of Division St and 10th St	\$ 6,000.00	13
87	Intersection of Division St and 2nd St	\$ 43,000.00	2
88	Intersection of Division St and 3rd St	\$ 38,000.00	2
89	Intersection of Division St and 4th St	\$ 27,000.00	3
90	Intersection of Division St and 5th St	\$ 33,000.00	2
91	Intersection of Division St and 6th St	\$ 20,000.00	2
92	Intersection of Division St and 7th St	\$ 7,000.00	3
93	Intersection of Division St and 8th St	\$ 13,000.00	2
94	Intersection of Division St and 9th St	\$ 11,000.00	2
95	Intersection of Division St and Adams St	\$ 12,000.00	6
96	Intersection of Division St and Ann St	\$ 36,000.00	2
97	Intersection of Division St and Caroline St	\$ 41,000.00	2
98	Intersection of Division St and John St	\$ 52,000.00	2
99	Intersection of Division St and Long St	\$ 34,000.00	6
100	Intersection of Division St and Musser St	\$ 46,000.00	2
101	Intersection of Division St and Park St	\$ 23,000.00	5
102	Intersection of Division St and Proctor St	\$ 41,000.00	2
103	Intersection of Division St and Robinson St	\$ 34,000.00	2
104	Intersection of Division St and Sophia St	\$ 44,000.00	2
105	Intersection of Division St and Spear St	\$ 53,000.00	5
106	Intersection of Division St and Telegraph St	\$ 44,000.00	2
107	Intersection of Division St and Washington St	\$ 41,000.00	2
108	Intersection of Division St and William St	\$ 34,000.00	3
109	Intersection of King's Canyon Rd and Albany Ave	\$ 10,000.00	3
110	Intersection of King's Canyon Rd and Annapolis Ave	\$ 31,000.00	2
111	Intersection of King's Canyon Rd and Carville Circle	\$ 29,000.00	3
112	Intersection of King's Canyon Rd and Phillips St	\$ 49,000.00	2

GPS ID	Project Name	Cost Projection	Priority
113	Intersection of King's Canyon Rd and Pittman Pl	\$ 26,000.00	3
114	Intersection of King's Canyon Rd and Tacoma Ave	\$ 29,000.00	2
115	Intersection of King's Canyon Rd and Winters Dr	\$ 8,000.00	13
116	Intersection of King's Canyon Rd and Curry St	\$ 43,000.00	2
117	Intersection of King's Canyon Rd and Division St	\$ 62,000.00	2
118	Intersection of King's Canyon Rd and Iris St	\$ 30,000.00	5
119	Intersection of King's Canyon Rd and Minnesota St	\$ 48,000.00	2
120	Intersection of King's Canyon Rd and Nevada St	\$ 45,000.00	3
121	Intersection of King's Canyon Rd and Richmond Ave (East)	\$ 20,000.00	3
122	Intersection of King's Canyon Rd and Ormsby Blvd	\$ 49,000.00	2
123	Intersection of King's Canyon Rd and Richmond Ave (West)	\$ 36,000.00	2
124	Intersection of Robinson St and Anderson St	\$ 47,000.00	2
125	Intersection of Robinson St and Drew Way	\$ 28,000.00	4
126	Intersection of Robinson St and Mesquite Pl	\$ 27,000.00	3
127	Intersection of Robinson St and Carson Meadows Dr	\$ 28,000.00	4
128	Intersection of Robinson St and Curry St	\$ 51,000.00	2
129	Intersection of Robinson St and Fall St	\$ 34,000.00	2
130	Intersection of Robinson St and Harbin Ave	\$ 27,000.00	3
131	Intersection of Robinson St and Nevada St	\$ 66,000.00	9
132	Intersection of Robinson St and Plaza St	\$ 35,000.00	2
133	Intersection of Robinson St and Pratt Ave (West)	\$ 27,000.00	2
134	Intersection of Robinson St and Pratt Ave (East)	\$ 30,000.00	2
136	Intersection of Robinson St and Valley St	\$ 34,000.00	3
137	Intersection of Robinson St and Walsh St	\$ 35,000.00	2
138	Intersection of Musser St and Anderson St	\$ 37,000.00	2
139	Intersection of Musser St and Hackamore Way	\$ 28,000.00	6
140	Intersection of Musser St and Carson Meadows Dr	\$ 29,000.00	4
141	Intersection of Musser St and Curry St	\$ 46,000.00	5
142	Intersection of Musser St and Fall St	\$ 27,000.00	2
143	Intersection of Musser St and Harbin Ave	\$ 54,000.00	2
144	Intersection of Musser St and Nevada St	\$ 54,000.00	2
145	Intersection of Musser St and Plaza St	\$ 40,000.00	2
146	Intersection of Musser St and Pratt Ave	\$ 12,000.00	3
147	Intersection of Musser St and Roop St	\$ 52,000.00	2
149	Intersection of Musser St and Valley St	\$ 52,000.00	2
150	Intersection of Musser St and Walsh St	\$ 12,000.00	3
151	Intersection of Stewart Ave and 2nd St	\$ 31,000.00	2
152	Intersection of Stewart Ave and 3rd St	\$ 44,000.00	2
153	Intersection of Stewart Ave and 4th St	\$ 3,000.00	2
154	Intersection of Stewart Ave and Caroline St	\$ 42,000.00	2
155	Intersection of Stewart Ave and King St	\$ 28,000.00	2
156	Intersection of Stewart Ave and Proctor St	\$ 37,000.00	5
157	Intersection of Stewart Ave and Spear St	\$ 53,000.00	5
158	Intersection of Stewart Ave and Telegraph St	\$ 57,000.00	5
159	Intersection of Saliman Rd and Appaloosa Ct	\$ 22,000.00	5
160	Intersection of Saliman Rd and Cardinal Way	\$ 21,000.00	2
161	Intersection of Saliman Rd and Colorado St	\$ 47,000.00	4
162	Intersection of Saliman Rd and Como St	\$ 24,000.00	5
163	Intersection of Saliman Rd and Damon Rd	\$ 35,000.00	2
165	Intersection of Saliman Rd and Evan St	\$ 27,000.00	5
166	Intersection of Saliman Rd and Fire Box Rd	\$ 12,000.00	2
167	Intersection of Saliman Rd and Goldfield Ave	\$ 24,000.00	5
168	Intersection of Saliman Rd and Heather Way	\$ 27,000.00	6
169	Intersection of Saliman Rd and Jodi Ln	\$ 34,000.00	5
170	Intersection of Saliman Rd and Kingsley Ln	\$ 55,000.00	5
171	Intersection of Saliman Rd and Pinto Ct	\$ 39,000.00	2
172	Intersection of Saliman Rd and Quail Run Dr	\$ 29,000.00	2
173	Intersection of Saliman Rd and Railroad Dr	\$ 23,000.00	2

GPS ID	Project Name	Cost Projection	Priority
174	Intersection of Saliman Rd and Seely Lp	\$ 13,000.00	6
175	Intersection of Saliman Rd and Shady Oak Dr	\$ 25,000.00	3
176	Intersection of Saliman Rd and Sonoma St	\$ 58,000.00	2
177	Intersection of Saliman Rd and Robinson St	\$ 17,000.00	8
178	Intersection of Saliman Rd and Telegraph St	\$ 30,000.00	2
181	Intersection of Silver Sage Dr and Briarwood Dr	\$ 29,000.00	2
182	Intersection of Silver Sage Dr and Chateau Dr	\$ 28,000.00	2
183	Intersection of Silver Sage Dr and Greenbriar Dr	\$ 29,000.00	2
184	Intersection of Silver Sage Dr and Lander Dr	\$ 37,000.00	2
185	Intersection of Silver Sage Dr and Nona Dr	\$ 27,000.00	2
186	Intersection of Silver Sage Dr and Pat Ln	\$ 31,000.00	9
187	Intersection of Silver Sage Dr and Pioche St	\$ 40,000.00	2
188	Intersection of Silver Sage Dr and Raven Circle	\$ 40,000.00	2
189	Intersection of Silver Sage Dr and Sean Dr	\$ 30,000.00	2
190	Intersection of Silver Sage Dr and Somerset Dr	\$ 40,000.00	5
191	Intersection of Silver Sage Dr and Springview Dr	\$ 50,000.00	5
192	Intersection of Silver Sage Dr and Stafford Way	\$ 31,000.00	3
193	Intersection of Silver Sage Dr and Sunchase Ct	\$ 35,000.00	2
194	Intersection of Silver Sage Dr and Sunwood Dr	\$ 44,000.00	2
195	Intersection of Silver Sage Dr and Windtree Circle	\$ 37,000.00	2
197	Intersection of Silver Sage Dr and Sonoma St	\$ 46,000.00	2
198	Intersection of Silver Sage Dr and Koontz Ln	\$ 55,000.00	2
90000	Intersection of College Pkwy (East Segment) and driveway (Lat. 39.19; Long. -119.7496)	\$ 11,000.00	2
90001	Intersection of College Pkwy (East Segment) and driveway (Lat. 39.19; Long. -119.7483)	\$ 8,000.00	2
90002	Intersection of College Pkwy (East Segment) and driveway (Lat. 39.19; Long. -119.7491)	\$ 9,000.00	5
90003	Intersection of College Pkwy (East Segment) and driveway (Lat. 39.19; Long. -119.7501)	\$ 5,000.00	5
90005	Intersection of College Pkwy (East Segment) and driveway (Lat. 39.1903; Long. -119.7453)	\$ 5,000.00	2
90006	Intersection of College Pkwy (East Segment) and driveway (Lat. 39.1902; Long. -119.7416)	\$ 17,000.00	5
90008	Intersection of College Pkwy (East Segment) and driveway (Lat. 39.1902; Long. -119.7461)	\$ 9,000.00	2
90010	Intersection of College Pkwy (West Segment) and driveway (Lat. 39.1904; Long. -119.7588)	\$ 4,000.00	5
90011	Intersection of College Pkwy (West Segment) and driveway (Lat. 39.1906; Long. -119.7594)	\$ 29,000.00	5
90012	Intersection of College Pkwy (West Segment) and driveway (Lat. 39.1907; Long. -119.7628)	\$ 14,000.00	2
90013	Intersection of College Pkwy (West Segment) and driveway (Lat. 39.1907; Long. -119.7707)	\$ 6,000.00	2
90014	Intersection of Lompa Ln and driveway (Lat. 39.1894; Long. -119.7427)	\$ 10,000.00	6
90015	Intersection of Lompa Ln and Carmine St	\$ 50,000.00	2
90016	Intersection of Lompa Ln and driveway (Lat. 39.1858; Long. -119.7426)	\$ 3,000.00	2
90017	Intersection of College Pkwy (East Segment) and driveway (Lat. 39.1902; Long. -119.7464)	\$ 21,000.00	5
90018	Intersection of Winnie Ln and Division St	\$ 36,000.00	2
90019	Intersection of King's Canyon Rd and driveway (Lat. 39.1639; Long. -119.7771)	\$ 8,000.00	2
90020	Intersection of Winnie Ln and driveway (Lat. 39.1792; Long. -119.7694)	\$ 3,000.00	2
90021	Intersection of Mountain St and driveway (Lat. 39.1704; Long. -119.7729)	\$ 14,000.00	2
90022	Intersection of Mountain St and driveway (Lat. 39.1711; Long. -119.7729)	\$ 11,000.00	2
90023	Intersection of Stewart Ave and driveway (Lat. 39.1663; Long. -119.7645)	\$ 8,000.00	5
90025	Intersection of Stewart Ave and driveway (Lat. 39.1625; Long. -119.7645)	\$ 2,000.00	2
90026	Intersection of Musser St and driveway (Lat. 39.1646; Long. -119.7604)	\$ 4,000.00	2

GPS ID	Project Name	Cost Projection	Priority
90027	Intersection of Musser St and driveway (Lat. 39.1646; Long. -119.7598)	\$ 6,000.00	2
90028	Intersection of Musser St and driveway (Lat. 39.1645; Long. -119.7583)	\$ 7,000.00	2
90029	Intersection of Saliman Rd and driveway (Lat. 39.1716; Long. -119.751)	\$ 3,000.00	2
90030	Intersection of Saliman Rd and driveway (Lat. 39.171; Long. -119.751)	\$ 6,000.00	2
90031	Intersection of Saliman Rd and Seely Lp	\$ 15,000.00	2
90032	Intersection of Saliman Rd and driveway (Lat. 39.1685; Long. -119.751)	\$ 5,000.00	9
90033	Intersection of Saliman Rd and driveway (Lat. 39.168; Long. -119.751)	\$ 8,000.00	2
90034	Intersection of Saliman Rd and Depot St	\$ 15,000.00	5
90035	Intersection of Saliman Rd and Little Ln	\$ 19,000.00	2
90037	Midblock crossing 150' south of Cardinal Way on Saliman Rd (Lat. 39.154; Long. -119.7519)	\$ 11,000.00	13
90038	Intersection of Saliman Rd and driveway (Lat. 39.1421; Long. -119.7519)	\$ 6,000.00	9
90039	Intersection of Saliman Rd and driveway (Lat. 39.1412; Long. -119.7519)	\$ 3,000.00	2
90040	Intersection of Saliman Rd and driveway (Lat. 39.1417; Long. -119.7519)	\$ 3,000.00	2
90041	Intersection of Saliman Rd and driveway (Lat. 39.1553; Long. -119.7519)	\$ 3,000.00	2
90042	Intersection of Saliman Rd and driveway (Lat. 39.1598; Long. -119.7509)	\$ 6,000.00	2
90043	Intersection of Saliman Rd and driveway (Lat. 39.1605; Long. -119.751)	\$ 11,000.00	2
90044	Intersection of Saliman Rd and driveway (Lat. 39.1659; Long. -119.751)	\$ 11,000.00	2
90045	Intersection of Saliman Rd and driveway (Lat. 39.1696; Long. -119.751)	\$ 8,000.00	2
90046	Intersection of Saliman Rd and driveway (Lat. 39.1709; Long. -119.751)	\$ 17,000.00	2
90057	Intersection of College Pkwy (East Segment) and Otha St	\$ 22,000.00	5
90058	Intersection of College Pkwy (East Segment) and Graves Ln	\$ 24,000.00	5
90059	Intersection of King's Canyon Rd and Thompson St	\$ 31,000.00	2
90062	Intersection of College Pkwy (North-South Segment) and driveway (Lat. 39.1809; Long. -119.7239)	\$ 11,000.00	5
90063	Intersection of College Pkwy (North-South Segment) and driveway (Lat. 39.1794; Long. -119.7238)	\$ 8,000.00	5
TOTAL		\$ 6,180,000.00	

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

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

Corridor: College Pkwy (East Segment) GPS ID: 1
 Project Name: Intersection of College Pkwy (East Segment) and Challenger Way
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	51	SF	\$ 6.00	\$ 306.00
NDOT 6130130	DETECTABLE WARNINGS	0	SF	\$ 26.00	\$ -
---	TACTILE WARNING DEVICE - RETROFIT	20	SF	\$ 60.00	\$ 1,200.00
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	390	LF	\$ 6.00	\$ 2,340.00
---	REPAVE ROADWAY	2	LS	\$ 5,000.00	\$ 10,000.00
---	FIX PONDING	2	LS	\$ 2,000.00	\$ 4,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection
 No Design Completed
 Preliminary Design
 Final Design

Subtotal:	\$	17,846.00
Engineering: (% +/-)	15%	\$ 3,066.00
Contingency: (% +/-)	20%	\$ 4,088.00
Estimated Project Cost:	\$	25,000.00

Project Location



Field Observations

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

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

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



Ramp 1A



Ramp 2A



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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

Project Location Map Sources:

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

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

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

Corridor: College Pkwy (East Segment) GPS ID: 2
 Project Name: Intersection of College Pkwy (East Segment) and Executive Pointe Way
 City: Carson City

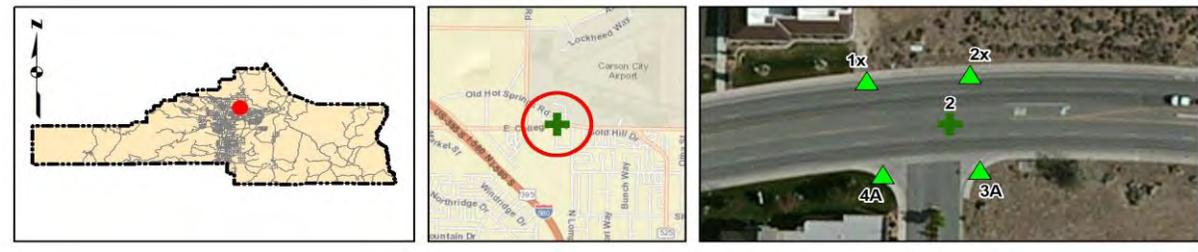
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	167	SF	\$ 6.00	\$ 1,002.00
NDOT 6130130	DETECTABLE WARNINGS	10	SF	\$ 26.00	\$ 260.00
---	TACTILE WARNING DEVICE - RETROFIT	10	SF	\$ 60.00	\$ 600.00
NDOT 2021260	REMOVAL OF SIDEWALK	106	SF	\$ 2.00	\$ 212.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	422	LF	\$ 6.00	\$ 2,532.00
---	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	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	14,606.00
Engineering: (% +/-)	15%	\$ 2,311.71
Contingency: (% +/-)	20%	\$ 3,082.29
Estimated Project Cost:	\$	20,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: College Pkwy (East Segment) GPS ID: 3
 Project Name: Intersection of College Pkwy (East Segment) and Research Way
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	632	SF	\$ 6.00	\$ 3,792.00
NDOT 6130130	DETECTABLE WARNINGS	50	SF	\$ 26.00	\$ 1,300.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	570	SF	\$ 2.00	\$ 1,140.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	591	LF	\$ 6.00	\$ 3,546.00
---	REPAVE ROADWAY	3	LS	\$ 5,000.00	\$ 15,000.00
---	FIX PONDING	4	LS	\$ 2,000.00	\$ 8,000.00
---	FIX CURB RAMP TRANSITION	2	LS	\$ 2,000.00	\$ 4,000.00
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	3	LS	\$ 2,000.00	\$ 6,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	42,778.00
Engineering: (% +/-)	15%	\$ 6,523.71
Contingency: (% +/-)	20%	\$ 8,698.29
Estimated Project Cost:	\$	58,000.00

Project Location



Field Observations

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

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



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 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

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

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

Corridor: College Pkwy (East Segment) GPS ID: 4
 Project Name: Intersection of College Pkwy (East Segment) and Silver Ln
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	348	SF	\$ 6.00	\$ 2,088.00
NDOT 6130130	DETECTABLE WARNINGS	30	SF	\$ 26.00	\$ 780.00
---	TACTILE WARNING DEVICE - RETROFIT	10	SF	\$ 60.00	\$ 600.00
NDOT 2021260	REMOVAL OF SIDEWALK	236	SF	\$ 2.00	\$ 472.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	540	LF	\$ 6.00	\$ 3,240.00
---	REPAVE ROADWAY	4	LS	\$ 5,000.00	\$ 20,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	2	LS	\$ 2,000.00	\$ 4,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	31,180.00
Engineering: (% +/-)	15%	\$ 5,065.71
Contingency: (% +/-)	20%	\$ 6,754.29
Estimated Project Cost:	\$	43,000.00

Project Location

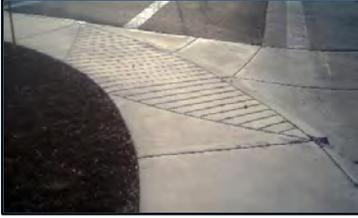


Field Observations

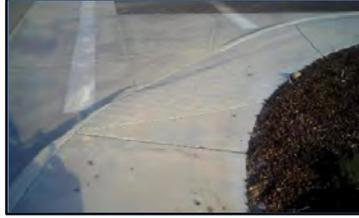
Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Good	Dangerous	Poor	Poor	Repave roadway and install crosswalk pavement markings
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches	X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

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

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



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: College Pkwy (East Segment) GPS ID: 5
 Project Name: Intersection of College Pkwy (East Segment) and Airport 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)	646	SF	\$ 6.00	\$ 3,876.00
NDOT 6130130	DETECTABLE WARNINGS	60	SF	\$ 26.00	\$ 1,560.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	486	SF	\$ 2.00	\$ 972.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	132	LF	\$ 6.00	\$ 792.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	4	LS	\$ 2,000.00	\$ 8,000.00
---	FIX CURB RAMP TRANSITION	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	5	LS	\$ 2,000.00	\$ 10,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	32,200.00
Engineering: (% +/-)	15%	\$ 5,057.14
Contingency: (% +/-)	20%	\$ 6,742.86
Estimated Project Cost:	\$	44,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Ramp 2A



Ramp 3A



Ramp 3B



Ramp 4A



Ramp 4C



Ramp 4D

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: College Pkwy (West Segment) GPS ID: 6
 Project Name: Intersection of College Pkwy (West Segment) and Cinnabar Ave
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	167	SF	\$ 6.00	\$ 1,002.00
NDOT 6130130	DETECTABLE WARNINGS	10	SF	\$ 26.00	\$ 260.00
---	TACTILE WARNING DEVICE - RETROFIT	10	SF	\$ 60.00	\$ 600.00
NDOT 2021260	REMOVAL OF SIDEWALK	106	SF	\$ 2.00	\$ 212.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	352	LF	\$ 6.00	\$ 2,112.00
---	REPAVE ROADWAY	2	LS	\$ 5,000.00	\$ 10,000.00
---	FIX PONDING	2	LS	\$ 2,000.00	\$ 4,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	2	LS	\$ 2,000.00	\$ 4,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	22,186.00
Engineering: (% +/-)	15%	\$ 3,348.86
Contingency: (% +/-)	20%	\$ 4,465.14
Estimated Project Cost:	\$	30,000.00

Project Location



Field Observations

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

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

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



Ramp 1A



Ramp 2A



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: College Pkwy (West Segment) GPS ID: 7
 Project Name: Intersection of College Pkwy (West Segment) and Diamond Ave
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	167	SF	\$ 6.00	\$ 1,002.00
NDOT 6130130	DETECTABLE WARNINGS	10	SF	\$ 26.00	\$ 260.00
---	TACTILE WARNING DEVICE - RETROFIT	10	SF	\$ 60.00	\$ 600.00
NDOT 2021260	REMOVAL OF SIDEWALK	109	SF	\$ 2.00	\$ 218.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	362	LF	\$ 6.00	\$ 2,172.00
---	REPAVE ROADWAY	2	LS	\$ 5,000.00	\$ 10,000.00
---	FIX PONDING	1	LS	\$ 2,000.00	\$ 2,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	2	LS	\$ 2,000.00	\$ 4,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	20,252.00
Engineering: (% +/-)	15%	\$ 3,320.57
Contingency: (% +/-)	20%	\$ 4,427.43
Estimated Project Cost:	\$	28,000.00

Project Location



Field Observations

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

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

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



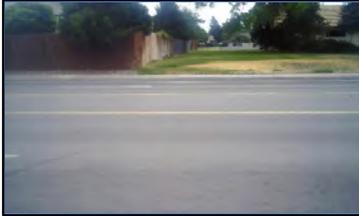
Ramp 1A



Ramp 2A



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor : College Pkwy (West Segment) **GPS ID:** 8
Project Name: Intersection of College Pkwy (West Segment) and Granite Way
City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	51	SF	\$ 6.00	\$ 306.00
NDOT 6130130	DETECTABLE WARNINGS	0	SF	\$ 26.00	\$ -
---	TACTILE WARNING DEVICE - RETROFIT	20	SF	\$ 60.00	\$ 1,200.00
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	282	LF	\$ 6.00	\$ 1,692.00
---	REPAVE ROADWAY	0	LS	\$ 5,000.00	\$ -
---	FIX PONDING	2	LS	\$ 2,000.00	\$ 4,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	9,198.00
Engineering: (% +/-)	15%	\$ 1,629.43
Contingency: (% +/-)	20%	\$ 2,172.57
Estimated Project Cost:	\$	13,000.00

Project Location



Field Observations

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

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

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



Ramp 1A



Ramp 2A



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: College Pkwy (West Segment) GPS ID: 9
 Project Name: Intersection of College Pkwy (West Segment) and Imperial Way
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	217	SF	\$ 6.00	\$ 1,302.00
NDOT 6130130	DETECTABLE WARNINGS	10	SF	\$ 26.00	\$ 260.00
---	TACTILE WARNING DEVICE - RETROFIT	20	SF	\$ 60.00	\$ 1,200.00
NDOT 2021260	REMOVAL OF SIDEWALK	132	SF	\$ 2.00	\$ 264.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	132	LF	\$ 6.00	\$ 792.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	2	LS	\$ 2,000.00	\$ 4,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	4	LS	\$ 2,000.00	\$ 8,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	20,818.00
Engineering: (% +/-)	15%	\$ 3,506.57
Contingency: (% +/-)	20%	\$ 4,675.43
Estimated Project Cost:	\$	29,000.00

Project Location



Field Observations

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

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

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



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: College Pkwy (West Segment) GPS ID: 10
 Project Name: Intersection of College Pkwy (West Segment) and Northgate 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)	217	SF	\$ 6.00	\$ 1,302.00
NDOT 6130130	DETECTABLE WARNINGS	10	SF	\$ 26.00	\$ 260.00
---	TACTILE WARNING DEVICE - RETROFIT	30	SF	\$ 60.00	\$ 1,800.00
NDOT 2021260	REMOVAL OF SIDEWALK	129	SF	\$ 2.00	\$ 258.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	392	LF	\$ 6.00	\$ 2,352.00
---	REPAVE ROADWAY	3	LS	\$ 5,000.00	\$ 15,000.00
---	FIX PONDING	3	LS	\$ 2,000.00	\$ 6,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	3	LS	\$ 2,000.00	\$ 6,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	32,972.00
Engineering: (% +/-)	15%	\$ 5,154.86
Contingency: (% +/-)	20%	\$ 6,873.14
Estimated Project Cost:	\$	45,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Poor	Poor	Poor	Good	Repave roadway and install crosswalk pavement markings
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches		N/A		N/A	
Path of travel cross slope is greater than 5% for free-flow approaches	N/A		N/A		
Crosswalk width is less than 6'					
Crosswalk striping condition	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					Remove and replace curb ramp
Curb ramp does not land in crosswalk					
No 4' x 4' clear space at base of curb ramp					
Curbed side is not 90° or has traversable adjacent surface					
Flare cross slope is greater than 10%					
Curb ramp running slope is greater than 8.33%					
Blended transition running slope is greater than 5%					
Cut-thru ramp running slope is greater than 5%					
Curb ramp cross slope is greater than 2%					
Cut-thru ramp cross slope is greater than 2%					
Curb ramp width is less than 48"					For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area Remove and replace landing area
Cut-thru ramp width is less than 60"					
Permanent obstruction (>0.25') in curb ramp/landing/flares				X	
Temporary obstruction (>0.25') in curb ramp/landing/flares					
No textured surface at base of curb ramp	X	X	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%				X	
Curb ramp transition onto roadway is greater than 0.25"					
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%	X	X		X	
Ponding occurs at base of curb ramp	X	X	X		Fix curbing counter slope Fix ponding

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



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc. Priority: 13
 Project Description for Unsignalized Intersection

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

Corridor: College Pkwy (West Segment) GPS ID: 11
 Project Name: Intersection of College Pkwy (West Segment) and Crest Valley Park
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	0	SF	\$ 6.00	\$ -
NDOT 6130130	DETECTABLE WARNINGS	0	SF	\$ 26.00	\$ -
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	106	LF	\$ 6.00	\$ 636.00
---	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	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	10,636.00
Engineering: (% +/-)	15%	\$ 1,870.29
Contingency: (% +/-)	20%	\$ 2,493.71
Estimated Project Cost:	\$	15,000.00

Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Nye Lane GPS ID: 12
 Project Name: Intersection of Nye Ln and Bunch Way
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	91	SF	\$ 6.00	\$ 546.00
NDOT 6130130	DETECTABLE WARNINGS	10	SF	\$ 26.00	\$ 260.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	372	LF	\$ 6.00	\$ 2,232.00
---	REPAVE ROADWAY	4	LS	\$ 5,000.00	\$ 20,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	23,038.00
Engineering: (% +/-)	15%	\$ 3,840.86
Contingency: (% +/-)	20%	\$ 5,121.14
Estimated Project Cost:	\$	32,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Nye Lane GPS ID: 13
 Project Name: Intersection of Nye Ln and Century 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)	182	SF	\$ 6.00	\$ 1,092.00
NDOT 6130130	DETECTABLE WARNINGS	20	SF	\$ 26.00	\$ 520.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	86	LF	\$ 6.00	\$ 516.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	7,128.00
Engineering: (% +/-)	15%	\$ 1,230.86
Contingency: (% +/-)	20%	\$ 1,641.14
Estimated Project Cost:	\$	10,000.00

Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Nye Lane GPS ID: 14
 Project Name: Intersection of Nye Ln and Concord Dr
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	364	SF	\$ 6.00	\$ 2,184.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	444	LF	\$ 6.00	\$ 2,664.00
---	REPAVE ROADWAY	4	LS	\$ 5,000.00	\$ 20,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	25,888.00
Engineering: (% +/-)	15%	\$ 3,905.14
Contingency: (% +/-)	20%	\$ 5,206.86
Estimated Project Cost:	\$	35,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc. Priority: 13
 Project Description for Unsignalized Intersection

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

Corridor: Nye Lane GPS ID: 15
 Project Name: Intersection of Nye Ln and Dale 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)	0	SF	\$ 6.00	\$ -
NDOT 6130130	DETECTABLE WARNINGS	0	SF	\$ 26.00	\$ -
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	80	LF	\$ 6.00	\$ 480.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	5,480.00
Engineering: (% +/-)	15%	\$ 1,080.00
Contingency: (% +/-)	20%	\$ 1,440.00
Estimated Project Cost:	\$	8,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc. Priority: 13
 Project Description for Unsignalized Intersection

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

Corridor: Nye Lane GPS ID: 16
 Project Name: Intersection of Nye Ln and Debbie Way
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	0	SF	\$ 6.00	\$ -
NDOT 6130130	DETECTABLE WARNINGS	0	SF	\$ 26.00	\$ -
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	86	LF	\$ 6.00	\$ 516.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	5,516.00
Engineering: (% +/-)	15%	\$ 1,064.57
Contingency: (% +/-)	20%	\$ 1,419.43
Estimated Project Cost:	\$	8,000.00

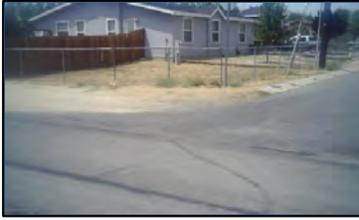
Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Nye Lane GPS ID: 17
 Project Name: Intersection of Nye Ln and Dori Way
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	414	SF	\$ 6.00	\$ 2,484.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	106	SF	\$ 2.00	\$ 212.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	302	LF	\$ 6.00	\$ 1,812.00
---	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	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	22,548.00
Engineering: (% +/-)	15%	\$ 3,622.29
Contingency: (% +/-)	20%	\$ 4,829.71
Estimated Project Cost:	\$	31,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc. Priority: 13
 Project Description for Unsignalized Intersection

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

Corridor: Nye Lane GPS ID: 18
 Project Name: Intersection of Nye Ln and Gold Leaf 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)	0	SF	\$ 6.00	\$ -
NDOT 6130130	DETECTABLE WARNINGS	0	SF	\$ 26.00	\$ -
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	54	LF	\$ 6.00	\$ 324.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	5,324.00
Engineering: (% +/-)	15%	\$ 1,146.86
Contingency: (% +/-)	20%	\$ 1,529.14
Estimated Project Cost:	\$	8,000.00

Project Location



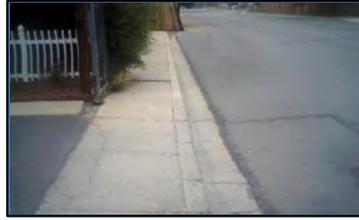
Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc. Priority: 13
 Project Description for Unsignalized Intersection

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

Corridor: Nye Lane GPS ID: 19
 Project Name: Intersection of Nye Ln and Kit Sierra Way
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	0	SF	\$ 6.00	\$ -
NDOT 6130130	DETECTABLE WARNINGS	0	SF	\$ 26.00	\$ -
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	64	LF	\$ 6.00	\$ 384.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	5,384.00
Engineering: (% +/-)	15%	\$ 1,121.14
Contingency: (% +/-)	20%	\$ 1,494.86
Estimated Project Cost:	\$	8,000.00

Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Nye Lane GPS ID: 20
 Project Name: Intersection of Nye Ln and Lorraine St
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	182	SF	\$ 6.00	\$ 1,092.00
NDOT 6130130	DETECTABLE WARNINGS	20	SF	\$ 26.00	\$ 520.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	100	LF	\$ 6.00	\$ 600.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	7,212.00
Engineering: (% +/-)	15%	\$ 1,194.86
Contingency: (% +/-)	20%	\$ 1,593.14
Estimated Project Cost:	\$	10,000.00

Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc. Priority: 13
 Project Description for Unsignalized Intersection

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

Corridor : Nye Lane GPS ID: 21
 Project Name: Intersection of Nye Ln and Lukens 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)	0	SF	\$ 6.00	\$ -
NDOT 6130130	DETECTABLE WARNINGS	0	SF	\$ 26.00	\$ -
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	166	LF	\$ 6.00	\$ 996.00
---	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	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	10,996.00
Engineering: (% +/-)	15%	\$ 1,716.00
Contingency: (% +/-)	20%	\$ 2,288.00
Estimated Project Cost:	\$	15,000.00

Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc. Priority: 13
 Project Description for Unsignalized Intersection

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

Corridor: Nye Lane GPS ID: 22
 Project Name: Intersection of Nye Ln and Mayflower Way
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	0	SF	\$ 6.00	\$ -
NDOT 6130130	DETECTABLE WARNINGS	0	SF	\$ 26.00	\$ -
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	58	LF	\$ 6.00	\$ 348.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	5,348.00
Engineering: (% +/-)	15%	\$ 1,136.57
Contingency: (% +/-)	20%	\$ 1,515.43
Estimated Project Cost:	\$	8,000.00

Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Nye Lane GPS ID: 23
 Project Name: Intersection of Nye Ln and Poole Way
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	364	SF	\$ 6.00	\$ 2,184.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	94	LF	\$ 6.00	\$ 564.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	8,788.00
Engineering: (% +/-)	15%	\$ 1,378.20
Contingency: (% +/-)	20%	\$ 1,855.43
Estimated Project Cost:	\$	12,000.00

Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Nye Lane GPS ID: 24
 Project Name: Intersection of Nye Ln and Riley Circle
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	298	SF	\$ 6.00	\$ 1,788.00
NDOT 6130130	DETECTABLE WARNINGS	30	SF	\$ 26.00	\$ 780.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	294	LF	\$ 6.00	\$ 1,764.00
---	REPAVE ROADWAY	3	LS	\$ 5,000.00	\$ 15,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	21,332.00
Engineering: (% +/-)	15%	\$ 3,286.29
Contingency: (% +/-)	20%	\$ 4,381.71
Estimated Project Cost:	\$	29,000.00

Project Location



Field Observations

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

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

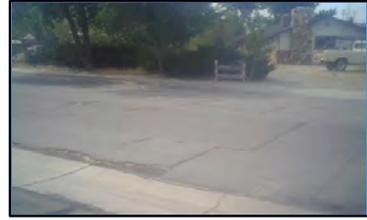
Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc. Priority: 13
 Project Description for Unsignalized Intersection

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

Corridor: Nye Lane GPS ID: 25
 Project Name: Intersection of Nye Ln and Surrey 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)	0	SF	\$ 6.00	\$ -
NDOT 6130130	DETECTABLE WARNINGS	0	SF	\$ 26.00	\$ -
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	108	LF	\$ 6.00	\$ 648.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	5,648.00
Engineering: (% +/-)	15%	\$ 1,008.00
Contingency: (% +/-)	20%	\$ 1,344.00
Estimated Project Cost:	\$	8,000.00

Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Nye Lane GPS ID: 26
 Project Name: Intersection of Nye Ln and Tenaya 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)	182	SF	\$ 6.00	\$ 1,092.00
NDOT 6130130	DETECTABLE WARNINGS	20	SF	\$ 26.00	\$ 520.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	282	LF	\$ 6.00	\$ 1,692.00
---	REPAVE ROADWAY	3	LS	\$ 5,000.00	\$ 15,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	18,304.00
Engineering: (% +/-)	15%	\$ 2,869.71
Contingency: (% +/-)	20%	\$ 3,826.29
Estimated Project Cost:	\$	25,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc. Priority: 13
 Project Description for Unsignalized Intersection

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

Corridor: Nye Lane GPS ID: 27
 Project Name: Intersection of Nye Ln and Viking Way
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	0	SF	\$ 6.00	\$ -
NDOT 6130130	DETECTABLE WARNINGS	0	SF	\$ 26.00	\$ -
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	56	LF	\$ 6.00	\$ 336.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	5,336.00
Engineering: (% +/-)	15%	\$ 1,141.71
Contingency: (% +/-)	20%	\$ 1,522.29
Estimated Project Cost:	\$	8,000.00

Project Location



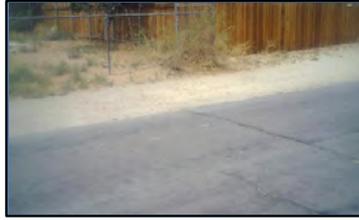
Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc. Priority: 13
 Project Description for Unsignalized Intersection

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

Corridor: Nye Lane GPS ID: 28
 Project Name: Intersection of Nye Ln and Airport 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)	0	SF	\$ 6.00	\$ -
NDOT 6130130	DETECTABLE WARNINGS	0	SF	\$ 26.00	\$ -
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	154	LF	\$ 6.00	\$ 924.00
---	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	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	10,924.00
Engineering: (% +/-)	15%	\$ 1,746.86
Contingency: (% +/-)	20%	\$ 2,329.14
Estimated Project Cost:	\$	15,000.00

Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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

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

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

Corridor: Nye Lane GPS ID: 29
 Project Name: Intersection of Nye Ln and College Pkwy
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	398	SF	\$ 6.00	\$ 2,388.00
NDOT 6130130	DETECTABLE WARNINGS	30	SF	\$ 26.00	\$ 780.00
---	TACTILE WARNING DEVICE - RETROFIT	10	SF	\$ 60.00	\$ 600.00
NDOT 2021260	REMOVAL OF SIDEWALK	292	SF	\$ 2.00	\$ 584.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	540	LF	\$ 6.00	\$ 3,240.00
---	REPAVE ROADWAY	3	LS	\$ 5,000.00	\$ 15,000.00
---	FIX PONDING	3	LS	\$ 2,000.00	\$ 6,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	3	LS	\$ 2,000.00	\$ 6,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	34,592.00
Engineering: (% +/-)	15%	\$ 5,317.71
Contingency: (% +/-)	20%	\$ 7,090.29
Estimated Project Cost:	\$	47,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Good	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches		N/A		N/A	
Path of travel cross slope is greater than 5% for free-flow approaches	N/A		N/A	N/A	
Crosswalk width is less than 6'			N/A		Remove and replace crosswalk pavement markings
Crosswalk striping condition	Worn	Worn	None	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%					
Curb ramp running slope is greater than 8.33%					
Blended transition running slope is greater than 5%					
Cut-thru ramp running slope is greater than 5%					
Curb ramp cross slope is greater than 2%			X		
Cut-thru ramp cross slope is greater than 2%					
Curb ramp width is less than 48"					For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area
Cut-thru ramp width is less than 60"					
Permanent obstruction (>0.25") in curb ramp/landing/flares	X	X	X		
Temporary obstruction (>0.25") in curb ramp/landing/flares					
No textured surface at base of curb ramp	X	X	X	X	
No color contrast at base of curb ramp	X	X	X	X	
Landing area does not exist and is needed	X	X	X	X	
Landing area is less than 5' x 5' or slopes greater than 2%					
Curb ramp transition onto roadway is greater than 0.25"					
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%	X	X	X		
Ponding occurs at base of curb ramp	X	X	X		Fix curb ramp counter slope
					Fix ponding

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



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc. Priority: 13
 Project Description for Unsignalized Intersection

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

Corridor: Sherman Lane GPS ID: 30
 Project Name: Intersection of Sherman Ln and Airport 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)	0	SF	\$ 6.00	\$ -
NDOT 6130130	DETECTABLE WARNINGS	0	SF	\$ 26.00	\$ -
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	158	LF	\$ 6.00	\$ 948.00
---	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	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	10,948.00
Engineering: (% +/-)	15%	\$ 1,736.57
Contingency: (% +/-)	20%	\$ 2,315.43
Estimated Project Cost:	\$	15,000.00

Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc. Priority: 13
 Project Description for Unsignalized Intersection

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

Corridor: Sherman Lane GPS ID: 31
 Project Name: Intersection of Sherman Ln and Bel Aire Way
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	0	SF	\$ 6.00	\$ -
NDOT 6130130	DETECTABLE WARNINGS	0	SF	\$ 26.00	\$ -
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	74	LF	\$ 6.00	\$ 444.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	5,444.00
Engineering: (% +/-)	15%	\$ 1,095.43
Contingency: (% +/-)	20%	\$ 1,460.57
Estimated Project Cost:	\$	8,000.00

Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc. Priority: 13
 Project Description for Unsignalized Intersection

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

Corridor: Sherman Lane GPS ID: 32
 Project Name: Intersection of Sherman Ln and Bunch Way (West)
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	0	SF	\$ 6.00	\$ -
NDOT 6130130	DETECTABLE WARNINGS	0	SF	\$ 26.00	\$ -
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	86	LF	\$ 6.00	\$ 516.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	5,516.00
Engineering: (% +/-)	15%	\$ 1,064.57
Contingency: (% +/-)	20%	\$ 1,419.43
Estimated Project Cost:	\$	8,000.00

Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc. Priority: 13
 Project Description for Unsignalized Intersection

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

Corridor: Sherman Lane GPS ID: 33
 Project Name: Intersection of Sherman Ln and Bunch Way (East)
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	0	SF	\$ 6.00	\$ -
NDOT 6130130	DETECTABLE WARNINGS	0	SF	\$ 26.00	\$ -
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	92	LF	\$ 6.00	\$ 552.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	5,552.00
Engineering: (% +/-)	15%	\$ 1,049.14
Contingency: (% +/-)	20%	\$ 1,398.86
Estimated Project Cost:	\$	8,000.00

Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Sherman Lane GPS ID: 34
 Project Name: Intersection of Sherman Ln and Century Circle
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	364	SF	\$ 6.00	\$ 2,184.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	334	LF	\$ 6.00	\$ 2,004.00
---	REPAVE ROADWAY	3	LS	\$ 5,000.00	\$ 15,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	20,228.00
Engineering: (% +/-)	15%	\$ 3,330.86
Contingency: (% +/-)	20%	\$ 4,441.14
Estimated Project Cost:	\$	28,000.00

Project Location



Field Observations

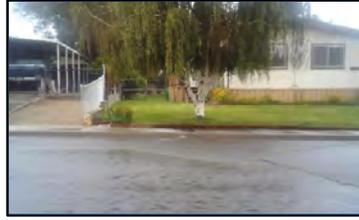
Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	N/A	Poor	Poor	Poor	Repare roadway and install crosswalk pavement markings
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches	N/A	N/A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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Sherman Lane GPS ID: 35
 Project Name: Intersection of Sherman Ln and Century Dr
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	364	SF	\$ 6.00	\$ 2,184.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	450	LF	\$ 6.00	\$ 2,700.00
---	REPAVE ROADWAY	4	LS	\$ 5,000.00	\$ 20,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	25,924.00
Engineering: (% +/-)	15%	\$ 3,889.71
Contingency: (% +/-)	20%	\$ 5,186.29
Estimated Project Cost:	\$	35,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc. Priority: 13
 Project Description for Unsignalized Intersection

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

Corridor: Sherman Lane GPS ID: 36
 Project Name: Intersection of Sherman Ln and Chanel 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)	0	SF	\$ 6.00	\$ -
NDOT 6130130	DETECTABLE WARNINGS	0	SF	\$ 26.00	\$ -
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	56	LF	\$ 6.00	\$ 336.00
---	REPAVE ROADWAY	0	LS	\$ 5,000.00	\$ -
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	336.00
Engineering: (% +/-)	15%	\$ 284.57
Contingency: (% +/-)	20%	\$ 379.43
Estimated Project Cost:	\$	1,000.00

Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Sherman Lane GPS ID: 37
 Project Name: Intersection of Sherman Ln and Concord 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)	182	SF	\$ 6.00	\$ 1,092.00
NDOT 6130130	DETECTABLE WARNINGS	20	SF	\$ 26.00	\$ 520.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	256	LF	\$ 6.00	\$ 1,536.00
---	REPAVE ROADWAY	3	LS	\$ 5,000.00	\$ 15,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	18,148.00
Engineering: (% +/-)	15%	\$ 2,936.57
Contingency: (% +/-)	20%	\$ 3,915.43
Estimated Project Cost:	\$	25,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Sherman Lane GPS ID: 38
 Project Name: Intersection of Sherman Ln and Dori Way
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	373	SF	\$ 6.00	\$ 2,238.00
NDOT 6130130	DETECTABLE WARNINGS	30	SF	\$ 26.00	\$ 780.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	210	SF	\$ 2.00	\$ 420.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	374	LF	\$ 6.00	\$ 2,244.00
---	REPAVE ROADWAY	4	LS	\$ 5,000.00	\$ 20,000.00
---	FIX PONDING	2	LS	\$ 2,000.00	\$ 4,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	29,682.00
Engineering: (% +/-)	15%	\$ 4,850.57
Contingency: (% +/-)	20%	\$ 6,467.43
Estimated Project Cost:	\$	41,000.00

Project Location



Field Observations

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

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

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



Ramp 1A



Ramp 2A



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Sherman Lane GPS ID: 39
 Project Name: Intersection of Sherman Ln and Fairmont Way
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	182	SF	\$ 6.00	\$ 1,092.00
NDOT 6130130	DETECTABLE WARNINGS	20	SF	\$ 26.00	\$ 520.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	298	LF	\$ 6.00	\$ 1,788.00
---	REPAVE ROADWAY	3	LS	\$ 5,000.00	\$ 15,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	18,400.00
Engineering: (% +/-)	15%	\$ 2,828.57
Contingency: (% +/-)	20%	\$ 3,771.43
Estimated Project Cost:	\$	25,000.00

Project Location



Field Observations

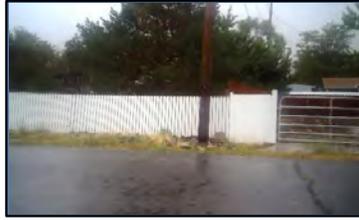
Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	N/A	Poor	Poor	Poor	Repare roadway and install crosswalk pavement markings
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches	N/A	N/A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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Sherman Lane GPS ID: 40
 Project Name: Intersection of Sherman Ln and Kit Sierra Way
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	182	SF	\$ 6.00	\$ 1,092.00
NDOT 6130130	DETECTABLE WARNINGS	20	SF	\$ 26.00	\$ 520.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	400	LF	\$ 6.00	\$ 2,400.00
---	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	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	19,012.00
Engineering: (% +/-)	15%	\$ 2,994.86
Contingency: (% +/-)	20%	\$ 3,993.14
Estimated Project Cost:	\$	26,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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

Project Location Map Sources:

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

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

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

Corridor: Sherman Lane GPS ID: 41
 Project Name: Intersection of Sherman Ln and Lorraine St
 City: Carson City

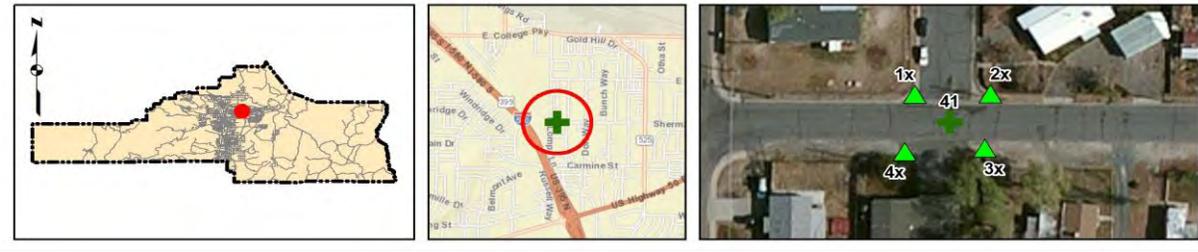
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	182	SF	\$ 6.00	\$ 1,092.00
NDOT 6130130	DETECTABLE WARNINGS	20	SF	\$ 26.00	\$ 520.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	102	LF	\$ 6.00	\$ 612.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	7,224.00
Engineering: (% +/-)	15%	\$ 1,189.71
Contingency: (% +/-)	20%	\$ 1,586.29
Estimated Project Cost:	\$	10,000.00

Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Sherman Lane GPS ID: 42
 Project Name: Intersection of Sherman Ln and Lukens 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)	182	SF	\$ 6.00	\$ 1,092.00
NDOT 6130130	DETECTABLE WARNINGS	20	SF	\$ 26.00	\$ 520.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	80	LF	\$ 6.00	\$ 480.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	7,092.00
Engineering: (% +/-)	15%	\$ 1,246.29
Contingency: (% +/-)	20%	\$ 1,661.71
Estimated Project Cost:	\$	10,000.00

Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc. Priority: 13
 Project Description for Unsignalized Intersection

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

Corridor: Sherman Lane GPS ID: 43
 Project Name: Intersection of Sherman Ln and Mayflower Way (West)
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	0	SF	\$ 6.00	\$ -
NDOT 6130130	DETECTABLE WARNINGS	0	SF	\$ 26.00	\$ -
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	92	LF	\$ 6.00	\$ 552.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	5,552.00
Engineering: (% +/-)	15%	\$ 1,049.14
Contingency: (% +/-)	20%	\$ 1,398.86
Estimated Project Cost:	\$	8,000.00

Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Sherman Lane GPS ID: 44
 Project Name: Intersection of Sherman Ln and Mayflower Way (East)
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	91	SF	\$ 6.00	\$ 546.00
NDOT 6130130	DETECTABLE WARNINGS	10	SF	\$ 26.00	\$ 260.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	198	LF	\$ 6.00	\$ 1,188.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	6,994.00
Engineering: (% +/-)	15%	\$ 1,288.29
Contingency: (% +/-)	20%	\$ 1,717.71
Estimated Project Cost:	\$	10,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc. Priority: 13
 Project Description for Unsignalized Intersection

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

Corridor: Sherman Lane GPS ID: 45
 Project Name: Intersection of Sherman Ln and Poole Way (West)
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	0	SF	\$ 6.00	\$ -
NDOT 6130130	DETECTABLE WARNINGS	0	SF	\$ 26.00	\$ -
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	86	LF	\$ 6.00	\$ 516.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	5,516.00
Engineering: (% +/-)	15%	\$ 1,064.57
Contingency: (% +/-)	20%	\$ 1,419.43
Estimated Project Cost:	\$	8,000.00

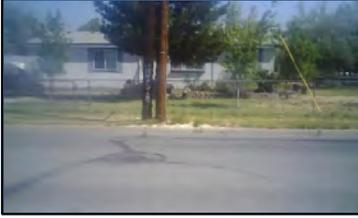
Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Sherman Lane GPS ID: 46
 Project Name: Intersection of Sherman Ln and Poole Way (East)
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	182	SF	\$ 6.00	\$ 1,092.00
NDOT 6130130	DETECTABLE WARNINGS	20	SF	\$ 26.00	\$ 520.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	92	LF	\$ 6.00	\$ 552.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

No Design Completed
 Preliminary Design
 Final Design

Subtotal:	\$	7,164.00
Engineering: (% +/-)	15%	\$ 1,215.43
Contingency: (% +/-)	20%	\$ 1,620.57
Estimated Project Cost:	\$	10,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Sherman Lane GPS ID: 47
 Project Name: Intersection of Sherman Ln and Sneddon Way
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	257	SF	\$ 6.00	\$ 1,542.00
NDOT 6130130	DETECTABLE WARNINGS	20	SF	\$ 26.00	\$ 520.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	142	SF	\$ 2.00	\$ 284.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	380	LF	\$ 6.00	\$ 2,280.00
---	REPAVE ROADWAY	4	LS	\$ 5,000.00	\$ 20,000.00
---	FIX PONDING	1	LS	\$ 2,000.00	\$ 2,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	26,626.00
Engineering: (% +/-)	15%	\$ 4,017.43
Contingency: (% +/-)	20%	\$ 5,356.57
Estimated Project Cost:	\$	36,000.00

Project Location



Field Observations

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

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

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



Ramp 1A



Ramp 2A



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc. Priority: 13
 Project Description for Unsignalized Intersection

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

Corridor: Sherman Lane GPS ID: 48
 Project Name: Intersection of Sherman Ln and Viking Way
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	0	SF	\$ 6.00	\$ -
NDOT 6130130	DETECTABLE WARNINGS	0	SF	\$ 26.00	\$ -
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	72	LF	\$ 6.00	\$ 432.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	5,432.00
Engineering: (% +/-)	15%	\$ 1,100.57
Contingency: (% +/-)	20%	\$ 1,467.43
Estimated Project Cost:	\$	8,000.00

Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Sherman Lane GPS ID: 49
 Project Name: Intersection of Sherman Ln 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)	232	SF	\$ 6.00	\$ 1,392.00
NDOT 6130130	DETECTABLE WARNINGS	20	SF	\$ 26.00	\$ 520.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	172	SF	\$ 2.00	\$ 344.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	280	LF	\$ 6.00	\$ 1,680.00
---	REPAVE ROADWAY	3	LS	\$ 5,000.00	\$ 15,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	20,936.00
Engineering: (% +/-)	15%	\$ 3,456.00
Contingency: (% +/-)	20%	\$ 4,608.00
Estimated Project Cost:	\$	29,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Ramp 2A



Ramp 3A



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Sherman Lane GPS ID: 50
 Project Name: Intersection of Sherman Ln and College Pkwy
 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)	18	LF	\$ 32.00	\$ 576.00
NDOT 5020750	CLASS AA CONCRETE (MINOR)	493	SF	\$ 6.00	\$ 2,958.00
NDOT 6130130	DETECTABLE WARNINGS	50	SF	\$ 26.00	\$ 1,300.00
---	TACTILE WARNING DEVICE - RETROFIT	30	SF	\$ 60.00	\$ 1,800.00
NDOT 2021260	REMOVAL OF SIDEWALK	374	SF	\$ 2.00	\$ 748.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	508	LF	\$ 6.00	\$ 3,048.00
---	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	4	LS	\$ 2,000.00	\$ 8,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	46,430.00
Engineering: (% +/-)	15%	\$ 7,101.43
Contingency: (% +/-)	20%	\$ 9,468.57
Estimated Project Cost:	\$	63,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches		N/A		N/A	
Path of travel cross slope is greater than 5% for free-flow approaches	N/A		N/A		
Crosswalk width is less than 6'	N/A				
Crosswalk striping condition	None	Worn	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
	SF	1A	2A	3A	4A	
Curb ramp does not exist and is needed						Remove and replace curb ramp
Curb ramp does not land in crosswalk						
No 4' x 4' clear space at base of curb ramp						
Curbed side is not 90° or has traversable adjacent surface						
Flare cross slope is greater than 10%						
Curb ramp running slope is greater than 8.33%						
Blended transition running slope is greater than 5%						
Cut-thru ramp running slope is greater than 5%						
Curb ramp cross slope is greater than 2%			X	X		
Cut-thru ramp cross slope is greater than 2%						
Curb ramp width is less than 48"						For intersection ramps and commercial driveway ramps, install color truncated domes Install landing area
Cut-thru ramp width is less than 60"						
Permanent obstruction (>0.25") in curb ramp/landing/flares			X	X		
Temporary obstruction (>0.25") in curb ramp/landing/flares						
No textured surface at base of curb ramp	X	X	X	X	X	Fix curb ramp counter slope
No color contrast at base of curb ramp	X	X	X	X	X	
Landing area does not exist and is needed	X	X	X	X	X	Fix ponding
Landing area is less than 5' x 5' or slopes greater than 2%						
Curb ramp transition onto roadway is greater than 0.25"						
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%		X	X	X	X	
Ponding occurs at base of curb ramp	X	X	X	X	X	

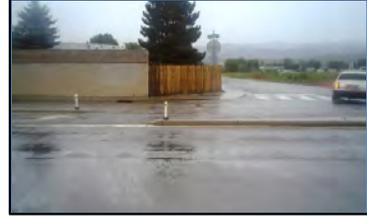
Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp South F



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Lompa Lane GPS ID: 51
 Project Name: Intersection of Lompa Ln and Bryan Circle (South)
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	364	SF	\$ 6.00	\$ 2,184.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	132	SF	\$ 2.00	\$ 264.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	368	LF	\$ 6.00	\$ 2,208.00
---	REPAVE ROADWAY	4	LS	\$ 5,000.00	\$ 20,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	25,696.00
Engineering: (% +/-)	15%	\$ 3,987.43
Contingency: (% +/-)	20%	\$ 5,316.57
Estimated Project Cost:	\$	35,000.00

Project Location



Field Observations

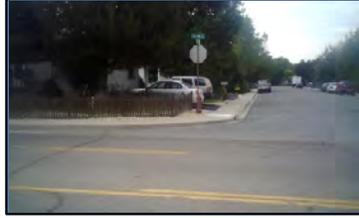
Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Dangerous	Poor	Poor	Poor	Repare roadway and install crosswalk pavement markings
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches	N/A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

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

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



Ramp 1A



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Lompa Lane GPS ID: 52
 Project Name: Intersection of Lompa Ln and Bryan Circle (North)
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	232	SF	\$ 6.00	\$ 1,392.00
NDOT 6130130	DETECTABLE WARNINGS	20	SF	\$ 26.00	\$ 520.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	106	SF	\$ 2.00	\$ 212.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	290	LF	\$ 6.00	\$ 1,740.00
---	REPAVE ROADWAY	3	LS	\$ 5,000.00	\$ 15,000.00
---	FIX PONDING	1	LS	\$ 2,000.00	\$ 2,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	22,864.00
Engineering: (% +/-)	15%	\$ 3,486.86
Contingency: (% +/-)	20%	\$ 4,649.14
Estimated Project Cost:	\$	31,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Ramp 2A



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Lompa Lane GPS ID: 53
 Project Name: Intersection of Lompa Ln and Commerce Way
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	273	SF	\$ 6.00	\$ 1,638.00
NDOT 6130130	DETECTABLE WARNINGS	30	SF	\$ 26.00	\$ 780.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	132	SF	\$ 2.00	\$ 264.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	198	LF	\$ 6.00	\$ 1,188.00
---	REPAVE ROADWAY	2	LS	\$ 5,000.00	\$ 10,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	2	LS	\$ 2,000.00	\$ 4,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	17,870.00
Engineering: (% +/-)	15%	\$ 3,055.71
Contingency: (% +/-)	20%	\$ 4,074.29
Estimated Project Cost:	\$	25,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Lompa Lane GPS ID: 54
 Project Name: Intersection of Lompa Ln and Nye 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)	373	SF	\$ 6.00	\$ 2,238.00
NDOT 6130130	DETECTABLE WARNINGS	30	SF	\$ 26.00	\$ 780.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	285	SF	\$ 2.00	\$ 570.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	330	LF	\$ 6.00	\$ 1,980.00
---	REPAVE ROADWAY	3	LS	\$ 5,000.00	\$ 15,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	2	LS	\$ 2,000.00	\$ 4,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	24,568.00
Engineering: (% +/-)	15%	\$ 4,042.29
Contingency: (% +/-)	20%	\$ 5,389.71
Estimated Project Cost:	\$	34,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Ramp 2A



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Winnie Lane GPS ID: 55
 Project Name: Intersection of Winnie Ln and El Rancho Dr
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	364	SF	\$ 6.00	\$ 2,184.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	96	LF	\$ 6.00	\$ 576.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	8,800.00
Engineering: (% +/-)	15%	\$ 1,371.43
Contingency: (% +/-)	20%	\$ 1,828.57
Estimated Project Cost:	\$	12,000.00

Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc. Priority: 13
 Project Description for Unsignalized Intersection

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

Corridor: Winnie Lane GPS ID: 56
 Project Name: Intersection of Winnie Ln and F 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)	0	SF	\$ 6.00	\$ -
NDOT 6130130	DETECTABLE WARNINGS	0	SF	\$ 26.00	\$ -
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	86	LF	\$ 6.00	\$ 516.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	5,516.00
Engineering: (% +/-)	15%	\$ 1,064.57
Contingency: (% +/-)	20%	\$ 1,419.43
Estimated Project Cost:	\$	8,000.00

Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Winnie Lane GPS ID: 57
 Project Name: Intersection of Winnie Ln and Lone Mountain 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)	439	SF	\$ 6.00	\$ 2,634.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	299	SF	\$ 2.00	\$ 598.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	286	LF	\$ 6.00	\$ 1,716.00
---	REPAVE ROADWAY	3	LS	\$ 5,000.00	\$ 15,000.00
---	FIX PONDING	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	1	LS	\$ 500.00	\$ 500.00
---	FIX CURB RAMP COUNTER SLOPE	3	LS	\$ 2,000.00	\$ 6,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	37,488.00
Engineering: (% +/-)	15%	\$ 5,790.86
Contingency: (% +/-)	20%	\$ 7,721.14
Estimated Project Cost:	\$	51,000.00

Project Location



Field Observations

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

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

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



Ramp 1A



Ramp 2A



Ramp 2B



Ramp 3A



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Winnie Lane GPS ID: 58
 Project Name: Intersection of Winnie Ln and Michael Dr
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	232	SF	\$ 6.00	\$ 1,392.00
NDOT 6130130	DETECTABLE WARNINGS	20	SF	\$ 26.00	\$ 520.00
---	TACTILE WARNING DEVICE - RETROFIT	20	SF	\$ 60.00	\$ 1,200.00
NDOT 2021260	REMOVAL OF SIDEWALK	48	SF	\$ 2.00	\$ 96.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	300	LF	\$ 6.00	\$ 1,800.00
---	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	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	26,008.00
Engineering: (% +/-)	15%	\$ 4,282.29
Contingency: (% +/-)	20%	\$ 5,709.71
Estimated Project Cost:	\$	36,000.00

Project Location



Field Observations

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

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

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



Ramp 1A



Ramp 2A



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Winnie Lane GPS ID: 59
 Project Name: Intersection of Winnie Ln and Russett Way
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	92	LF	\$ 32.00	\$ 2,944.00
NDOT 5020750	CLASS AA CONCRETE (MINOR)	462	SF	\$ 6.00	\$ 2,772.00
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	386	SF	\$ 2.00	\$ 772.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	454	LF	\$ 6.00	\$ 2,724.00
---	REPAVE ROADWAY	2	LS	\$ 5,000.00	\$ 10,000.00
---	FIX PONDING	3	LS	\$ 2,000.00	\$ 6,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	26,852.00
Engineering: (% +/-)	15%	\$ 4,349.14
Contingency: (% +/-)	20%	\$ 5,798.86
Estimated Project Cost:	\$	37,000.00

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 2% for stop control approaches		N/A	X	N/A	Install crosswalk pavement markings
Path of travel cross slope is greater than 5% for free-flow approaches	N/A	N/A	N/A	N/A	
Crosswalk width is less than 6'	N/A	N/A	N/A	N/A	
Crosswalk striping condition	None	None	None	None	

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

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



Ramp South F



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Winnie Lane GPS ID: 60
 Project Name: Intersection of Winnie Ln and Victoria 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)	303	SF	\$ 6.00	\$ 1,818.00
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	204	SF	\$ 2.00	\$ 408.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	398	LF	\$ 6.00	\$ 2,388.00
---	REPAVE ROADWAY	3	LS	\$ 5,000.00	\$ 15,000.00
---	FIX PONDING	2	LS	\$ 2,000.00	\$ 4,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	2	LS	\$ 2,000.00	\$ 4,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	28,994.00
Engineering: (% +/-)	15%	\$ 4,716.86
Contingency: (% +/-)	20%	\$ 6,289.14
Estimated Project Cost:	\$	40,000.00

Project Location



Field Observations

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

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

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



Ramp 1A



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Winnie Lane GPS ID: 62
 Project Name: Intersection of Winnie Ln and Ormsby Blvd
 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)	296	SF	\$ 6.00	\$ 1,776.00
NDOT 6130130	DETECTABLE WARNINGS	20	SF	\$ 26.00	\$ 520.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	296	SF	\$ 2.00	\$ 592.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	451	LF	\$ 6.00	\$ 2,706.00
---	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	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	15,594.00
Engineering: (% +/-)	15%	\$ 2,745.43
Contingency: (% +/-)	20%	\$ 3,660.57
Estimated Project Cost:	\$	22,000.00

Project Location

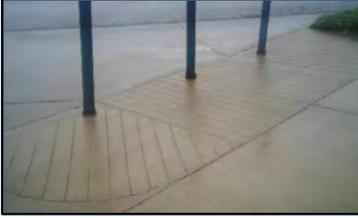


Field Observations

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

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

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



Ramp 1A



Ramp 2A



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Mountain St GPS ID: 64
 Project Name: Intersection of Mountain St and Adaline St
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	273	SF	\$ 6.00	\$ 1,638.00
NDOT 6130130	DETECTABLE WARNINGS	30	SF	\$ 26.00	\$ 780.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	196	LF	\$ 6.00	\$ 1,176.00
---	REPAVE ROADWAY	0	LS	\$ 5,000.00	\$ -
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	3,594.00
Engineering: (% +/-)	15%	\$ 602.57
Contingency: (% +/-)	20%	\$ 803.43
Estimated Project Cost:	\$	5,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Mountain St GPS ID: 65
 Project Name: Intersection of Mountain St and Bath 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)	414	SF	\$ 6.00	\$ 2,484.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	137	SF	\$ 2.00	\$ 274.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	340	LF	\$ 6.00	\$ 2,040.00
---	REPAVE ROADWAY	3	LS	\$ 5,000.00	\$ 15,000.00
---	FIX PONDING	1	LS	\$ 2,000.00	\$ 2,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	24,838.00
Engineering: (% +/-)	15%	\$ 3,926.57
Contingency: (% +/-)	20%	\$ 5,235.43
Estimated Project Cost:	\$	34,000.00

Project Location



Field Observations

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

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

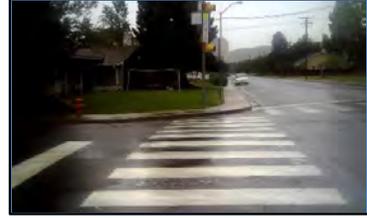
Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Corner 1 No Ramp (1z)



Ramp 2A



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Mountain St GPS ID: 66
 Project Name: Intersection of Mountain St and Fleischmann Way
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	364	SF	\$ 6.00	\$ 2,184.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	196	LF	\$ 6.00	\$ 1,176.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	9,400.00
Engineering: (% +/-)	15%	\$ 1,542.86
Contingency: (% +/-)	20%	\$ 2,057.14
Estimated Project Cost:	\$	13,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Mountain St GPS ID: 67
 Project Name: Intersection of Mountain St and Ivy St
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	464	SF	\$ 6.00	\$ 2,784.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	210	SF	\$ 2.00	\$ 420.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	422	LF	\$ 6.00	\$ 2,532.00
---	REPAVE ROADWAY	3	LS	\$ 5,000.00	\$ 15,000.00
---	FIX PONDING	1	LS	\$ 2,000.00	\$ 2,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	25,776.00
Engineering: (% +/-)	15%	\$ 3,953.14
Contingency: (% +/-)	20%	\$ 5,270.86
Estimated Project Cost:	\$	35,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Ramp 2A



Ramp 3A



Corner 4 No Ramp (4z)

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Project Location Map Sources:

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

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

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

Corridor: Mountain St GPS ID: 68
 Project Name: Intersection of Mountain St and Marlette Dr
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	364	SF	\$ 6.00	\$ 2,184.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	262	LF	\$ 6.00	\$ 1,572.00
---	REPAVE ROADWAY	0	LS	\$ 5,000.00	\$ -
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	4,796.00
Engineering: (% +/-)	15%	\$ 944.57
Contingency: (% +/-)	20%	\$ 1,259.43
Estimated Project Cost:	\$	7,000.00

Project Location



Field Observations

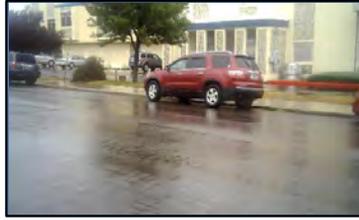
Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Good	N/A	Good	Good	
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches	N/A	N/A	N/A		
Path of travel cross slope is greater than 5% for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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

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

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

Corridor: Mountain St GPS ID: 69
 Project Name: Intersection of Mountain St and Tahoe Dr (South)
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	364	SF	\$ 6.00	\$ 2,184.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	252	LF	\$ 6.00	\$ 1,512.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	9,736.00
Engineering: (% +/-)	15%	\$ 1,827.43
Contingency: (% +/-)	20%	\$ 2,436.57
Estimated Project Cost:	\$	14,000.00

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%					
Path of travel cross slope is greater than 2% for stop control approaches	N/A	N/A	N/A		
Path of travel cross slope is greater than 5% for free-flow approaches				N/A	
Crosswalk width is less than 6'	N/A	N/A	N/A	N/A	Install crosswalk pavement markings
Crosswalk striping condition	None	N/A	None	None	

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

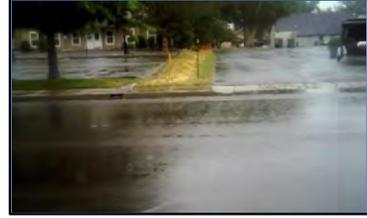
Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Mountain St GPS ID: 70
 Project Name: Intersection of Mountain St and Tahoe Dr (North)
 City: Carson City

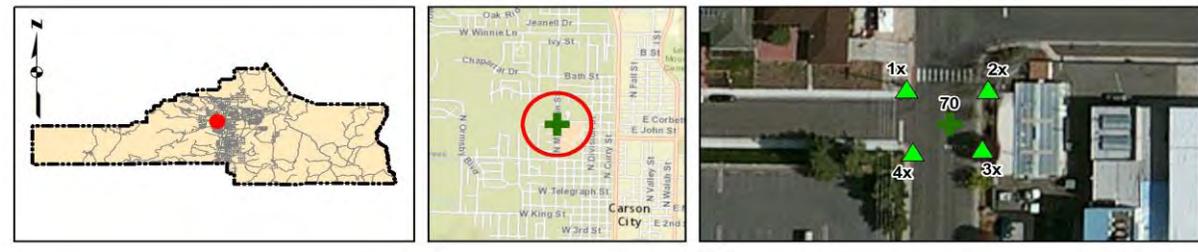
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	182	SF	\$ 6.00	\$ 1,092.00
NDOT 6130130	DETECTABLE WARNINGS	20	SF	\$ 26.00	\$ 520.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	266	LF	\$ 6.00	\$ 1,596.00
---	REPAVE ROADWAY	0	LS	\$ 5,000.00	\$ -
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	3,208.00
Engineering: (% +/-)	15%	\$ 768.00
Contingency: (% +/-)	20%	\$ 1,024.00
Estimated Project Cost:	\$	5,000.00

Project Location



Field Observations

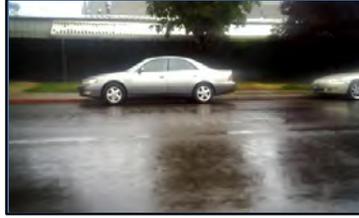
Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	N/A	N/A	Good	Good	
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches	N/A	N/A	N/A		
Path of travel cross slope is greater than 5% for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

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

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



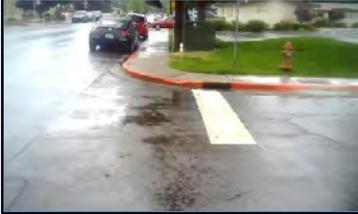
Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Mountain St GPS ID: 71
 Project Name: Intersection of Mountain St and Topaz Dr
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	364	SF	\$ 6.00	\$ 2,184.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	256	LF	\$ 6.00	\$ 1,536.00
---	REPAVE ROADWAY	0	LS	\$ 5,000.00	\$ -
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	4,760.00
Engineering: (% +/-)	15%	\$ 960.00
Contingency: (% +/-)	20%	\$ 1,280.00
Estimated Project Cost:	\$	7,000.00

Project Location



Field Observations

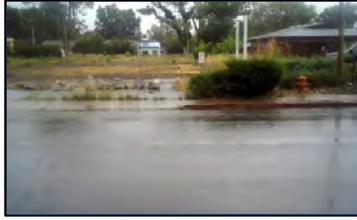
Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Good	N/A	Good	Good	
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches	N/A	N/A	N/A		
Path of travel cross slope is greater than 5% for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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Mountain St GPS ID: 72
 Project Name: Intersection of Mountain St and Caroline St
 City: Carson City

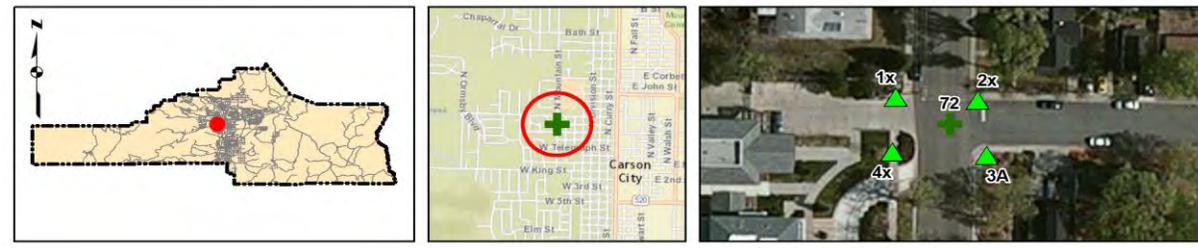
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	414	SF	\$ 6.00	\$ 2,484.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	106	SF	\$ 2.00	\$ 212.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	238	LF	\$ 6.00	\$ 1,428.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	10,164.00
Engineering: (% +/-)	15%	\$ 1,644.00
Contingency: (% +/-)	20%	\$ 2,192.00
Estimated Project Cost:	\$	14,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Ramp 3A



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Mountain St GPS ID: 73
 Project Name: Intersection of Mountain 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)	414	SF	\$ 6.00	\$ 2,484.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	258	SF	\$ 2.00	\$ 516.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	324	LF	\$ 6.00	\$ 1,944.00
---	REPAVE ROADWAY	4	LS	\$ 5,000.00	\$ 20,000.00
---	FIX PONDING	3	LS	\$ 2,000.00	\$ 6,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	2	LS	\$ 2,000.00	\$ 4,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	35,984.00
Engineering: (% +/-)	15%	\$ 5,578.29
Contingency: (% +/-)	20%	\$ 7,437.71
Estimated Project Cost:	\$	49,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Poor	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches	N/A		N/A		
Path of travel cross slope is greater than 5% for free-flow approaches		N/A		N/A	
Crosswalk width is less than 6'		N/A		N/A	
Crosswalk striping condition	Worn	None	None	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	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		Remove and replace curb ramp
Curb ramp running slope is greater than 8.33%	X		X		
Blended transition running slope is greater than 5%					
Cut-thru ramp running slope is greater than 5%					
Curb ramp cross slope is greater than 2%	X		X		
Cut-thru ramp cross slope is greater than 2%					
Curb ramp width is less than 48"	X		X	X	
Cut-thru ramp width is less than 60"					
Permanent obstruction (>0.25") in curb ramp/landing/flares	X		X		For intersection ramps and commercial driveway ramps, install color truncated domes
Temporary obstruction (>0.25") in curb ramp/landing/flares					
No textured surface at base of curb ramp	X		X	X	
No color contrast at base of curb ramp	X		X	X	Install landing area
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		
Curb ramp transition onto roadway is greater than 0.25"					
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%	X		X		Fix curb ramp counter slope
Ponding occurs at base of curb ramp	X		X	X	Fix ponding

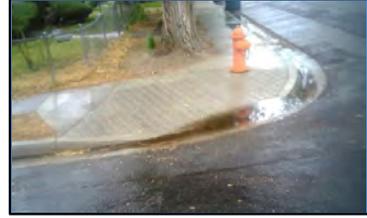
Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accommodated at this location and the current crossing treatment is appropriate.



Ramp 1A



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Mountain St GPS ID: 74
 Project Name: Intersection of Mountain St and Robinson St
 City: Carson City

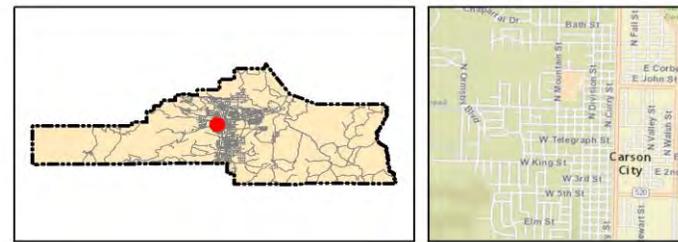
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	458	SF	\$ 6.00	\$ 2,748.00
NDOT 6130130	DETECTABLE WARNINGS	50	SF	\$ 26.00	\$ 1,300.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	275	SF	\$ 2.00	\$ 550.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	312	LF	\$ 6.00	\$ 1,872.00
---	REPAVE ROADWAY	4	LS	\$ 5,000.00	\$ 20,000.00
---	FIX PONDING	1	LS	\$ 2,000.00	\$ 2,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	28,470.00
Engineering: (% +/-)	15%	\$ 4,512.86
Contingency: (% +/-)	20%	\$ 6,017.14
Estimated Project Cost:	\$	39,000.00

Project Location



Field Observations

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

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

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



Ramp 1A



Ramp 1B



Ramp 2A



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Mountain St GPS ID: 75
 Project Name: Intersection of Mountain St and Spear St
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	364	SF	\$ 6.00	\$ 2,184.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	72	LF	\$ 6.00	\$ 432.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	8,656.00
Engineering: (% +/-)	15%	\$ 1,433.14
Contingency: (% +/-)	20%	\$ 1,910.86
Estimated Project Cost:	\$	12,000.00

Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Mountain St GPS ID: 76
 Project Name: Intersection of Mountain St and Telegraph St
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	505	SF	\$ 6.00	\$ 3,030.00
NDOT 6130130	DETECTABLE WARNINGS	50	SF	\$ 26.00	\$ 1,300.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	369	SF	\$ 2.00	\$ 738.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	336	LF	\$ 6.00	\$ 2,016.00
---	REPAVE ROADWAY	4	LS	\$ 5,000.00	\$ 20,000.00
---	FIX PONDING	3	LS	\$ 2,000.00	\$ 6,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	2	LS	\$ 2,000.00	\$ 4,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	37,084.00
Engineering: (% +/-)	15%	\$ 5,964.00
Contingency: (% +/-)	20%	\$ 7,952.00
Estimated Project Cost:	\$	51,000.00

Project Location



Field Observations

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

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

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



Ramp 1A



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A



Ramp 4B

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Mountain St GPS ID: 77
 Project Name: Intersection of Mountain 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)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	332	SF	\$ 6.00	\$ 1,992.00
NDOT 6130130	DETECTABLE WARNINGS	20	SF	\$ 26.00	\$ 520.00
---	TACTILE WARNING DEVICE - RETROFIT	20	SF	\$ 60.00	\$ 1,200.00
NDOT 2021260	REMOVAL OF SIDEWALK	297	SF	\$ 2.00	\$ 594.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	458	LF	\$ 6.00	\$ 2,748.00
---	REPAVE ROADWAY	4	LS	\$ 5,000.00	\$ 20,000.00
---	FIX PONDING	2	LS	\$ 2,000.00	\$ 4,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	3	LS	\$ 2,000.00	\$ 6,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	37,054.00
Engineering: (% +/-)	15%	\$ 5,976.86
Contingency: (% +/-)	20%	\$ 7,969.14
Estimated Project Cost:	\$	51,000.00

Project Location

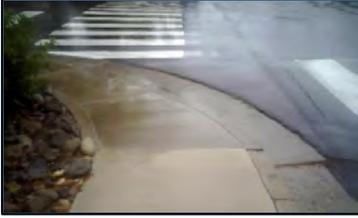


Field Observations

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

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

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



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Mountain St GPS ID: 78
 Project Name: Intersection of Mountain 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)	364	SF	\$ 6.00	\$ 2,184.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	430	LF	\$ 6.00	\$ 2,580.00
---	REPAVE ROADWAY	4	LS	\$ 5,000.00	\$ 20,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	25,804.00
Engineering: (% +/-)	15%	\$ 3,941.14
Contingency: (% +/-)	20%	\$ 5,254.86
Estimated Project Cost:	\$	35,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Mountain St GPS ID: 79
 Project Name: Intersection of Mountain 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)	298	SF	\$ 6.00	\$ 1,788.00
NDOT 6130130	DETECTABLE WARNINGS	30	SF	\$ 26.00	\$ 780.00
---	TACTILE WARNING DEVICE - RETROFIT	10	SF	\$ 60.00	\$ 600.00
NDOT 2021260	REMOVAL OF SIDEWALK	20	SF	\$ 2.00	\$ 40.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	198	LF	\$ 6.00	\$ 1,188.00
---	REPAVE ROADWAY	2	LS	\$ 5,000.00	\$ 10,000.00
---	FIX PONDING	1	LS	\$ 2,000.00	\$ 2,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	18,396.00
Engineering: (% +/-)	15%	\$ 2,830.29
Contingency: (% +/-)	20%	\$ 3,773.71
Estimated Project Cost:	\$	25,000.00

Project Location



Field Observations

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

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

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



Ramp 1A



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Mountain St GPS ID: 80
 Project Name: Intersection of Mountain St and King's Canyon 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)	439	SF	\$ 6.00	\$ 2,634.00
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	409	SF	\$ 2.00	\$ 818.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	306	LF	\$ 6.00	\$ 1,836.00
---	REPAVE ROADWAY	3	LS	\$ 5,000.00	\$ 15,000.00
---	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	4	LS	\$ 2,000.00	\$ 8,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	37,928.00
Engineering: (% +/-)	15%	\$ 6,030.86
Contingency: (% +/-)	20%	\$ 8,041.14
Estimated Project Cost:	\$	52,000.00

Project Location



Field Observations

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

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

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



Ramp 1A



Ramp 1B



Ramp 2A



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Division St GPS ID: 81
 Project Name: Intersection of Division St and Adaline St
 City: Carson City

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

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	19,592.00
Engineering: (% +/-)	15%	\$ 3,174.86
Contingency: (% +/-)	20%	\$ 4,233.14
Estimated Project Cost:	\$	27,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Division St GPS ID: 82
 Project Name: Intersection of Division St and Bath St
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	364	SF	\$ 6.00	\$ 2,184.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	152	LF	\$ 6.00	\$ 912.00
---	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	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	14,136.00
Engineering: (% +/-)	15%	\$ 2,513.14
Contingency: (% +/-)	20%	\$ 3,350.86
Estimated Project Cost:	\$	20,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Division St GPS ID: 83
 Project Name: Intersection of Division St and Fleischmann Way
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	455	SF	\$ 6.00	\$ 2,730.00
NDOT 6130130	DETECTABLE WARNINGS	50	SF	\$ 26.00	\$ 1,300.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	395	SF	\$ 2.00	\$ 790.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	236	LF	\$ 6.00	\$ 1,416.00
---	REPAVE ROADWAY	3	LS	\$ 5,000.00	\$ 15,000.00
---	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	4	LS	\$ 2,000.00	\$ 8,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	37,236.00
Engineering: (% +/-)	15%	\$ 5,898.86
Contingency: (% +/-)	20%	\$ 7,865.14
Estimated Project Cost:	\$	51,000.00

Project Location



Field Observations

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

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

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



Ramp 1A



Ramp 1B



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A



Ramp 4B

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc. Priority: 13
 Project Description for Unsignalized Intersection

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

Corridor: Division St GPS ID: 84
 Project Name: Intersection of Division St and Miller Way
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	364	SF	\$ 6.00	\$ 2,184.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	80	LF	\$ 6.00	\$ 480.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	8,704.00
Engineering: (% +/-)	15%	\$ 1,412.57
Contingency: (% +/-)	20%	\$ 1,883.43
Estimated Project Cost:	\$	12,000.00

Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Division St GPS ID: 85
 Project Name: Intersection of Division St and Pine View Way
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	364	SF	\$ 6.00	\$ 2,184.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	66	SF	\$ 2.00	\$ 132.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	161	LF	\$ 6.00	\$ 966.00
---	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	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	14,322.00
Engineering: (% +/-)	15%	\$ 2,433.43
Contingency: (% +/-)	20%	\$ 3,244.57
Estimated Project Cost:	\$	20,000.00

Project Location

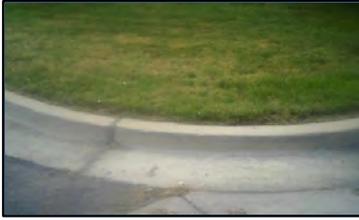


Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc. Priority: 13
 Project Description for Unsignalized Intersection

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

Corridor: Division St GPS ID: 86
 Project Name: Intersection of Division St and 10th St
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	364	SF	\$ 6.00	\$ 2,184.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	166	LF	\$ 6.00	\$ 996.00
---	REPAVE ROADWAY	0	LS	\$ 5,000.00	\$ -
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	4,220.00
Engineering: (% +/-)	15%	\$ 762.86
Contingency: (% +/-)	20%	\$ 1,017.14
Estimated Project Cost:	\$	6,000.00

Project Location



Field Observations

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

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



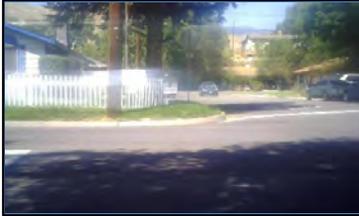
Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Division St GPS ID: 87
 Project Name: Intersection of Division St and 2nd St
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	389	SF	\$ 6.00	\$ 2,334.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	192	SF	\$ 2.00	\$ 384.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	324	LF	\$ 6.00	\$ 1,944.00
---	REPAVE ROADWAY	4	LS	\$ 5,000.00	\$ 20,000.00
---	FIX PONDING	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	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	31,702.00
Engineering: (% +/-)	15%	\$ 4,842.00
Contingency: (% +/-)	20%	\$ 6,456.00
Estimated Project Cost:	\$	43,000.00

Project Location



Field Observations

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

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

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



Ramp 1A



Ramp 2A



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

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

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

Corridor: Division St GPS ID: 88
 Project Name: Intersection of Division St and 3rd St
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	414	SF	\$ 6.00	\$ 2,484.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	141	SF	\$ 2.00	\$ 282.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	336	LF	\$ 6.00	\$ 2,016.00
---	REPAVE ROADWAY	4	LS	\$ 5,000.00	\$ 20,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	27,822.00
Engineering: (% +/-)	15%	\$ 4,362.00
Contingency: (% +/-)	20%	\$ 5,816.00
Estimated Project Cost:	\$	38,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Ramp 3A



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Division St GPS ID: 89
 Project Name: Intersection of Division St and 4th St
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	364	SF	\$ 6.00	\$ 2,184.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	244	LF	\$ 6.00	\$ 1,464.00
---	REPAVE ROADWAY	3	LS	\$ 5,000.00	\$ 15,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	19,688.00
Engineering: (% +/-)	15%	\$ 3,133.71
Contingency: (% +/-)	20%	\$ 4,178.29
Estimated Project Cost:	\$	27,000.00

Project Location

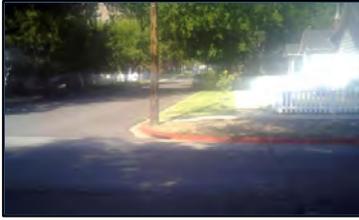


Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	323	SF	\$ 6.00	\$ 1,938.00
NDOT 6130130	DETECTABLE WARNINGS	30	SF	\$ 26.00	\$ 780.00
---	TACTILE WARNING DEVICE - RETROFIT	20	SF	\$ 60.00	\$ 1,200.00
NDOT 2021260	REMOVAL OF SIDEWALK	270	SF	\$ 2.00	\$ 540.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	80	LF	\$ 1.00	\$ 80.00
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	302	LF	\$ 6.00	\$ 1,812.00
---	REPAVE ROADWAY	0	LS	\$ 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	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:	\$	24,350.00
Engineering: (% +/-)	15%	\$ 3,707.14
Contingency: (% +/-)	20%	\$ 4,942.86
Estimated Project Cost:	\$	33,000.00

Project Location



Field Observations

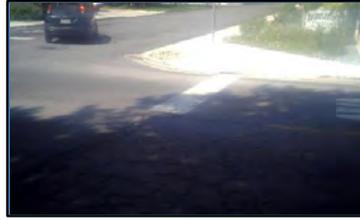
Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Good	Good	Good	Good	
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches	N/A		N/A		
Path of travel cross slope is greater than 5% for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

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

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



Ramp 1A



Ramp 1B



Ramp 2A



Ramp 3A



Ramp 4A



Ramp 4B

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Division St GPS ID: 91
 Project Name: Intersection of Division St and 6th St
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	364	SF	\$ 6.00	\$ 2,184.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	66	SF	\$ 2.00	\$ 132.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	330	LF	\$ 6.00	\$ 1,980.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	1	LS	\$ 2,000.00	\$ 2,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	14,336.00
Engineering: (% +/-)	15%	\$ 2,427.43
Contingency: (% +/-)	20%	\$ 3,236.57
Estimated Project Cost:	\$	20,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Ramp 2A



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Division St GPS ID: 92
 Project Name: Intersection of Division St and 7th St
 City: Carson City

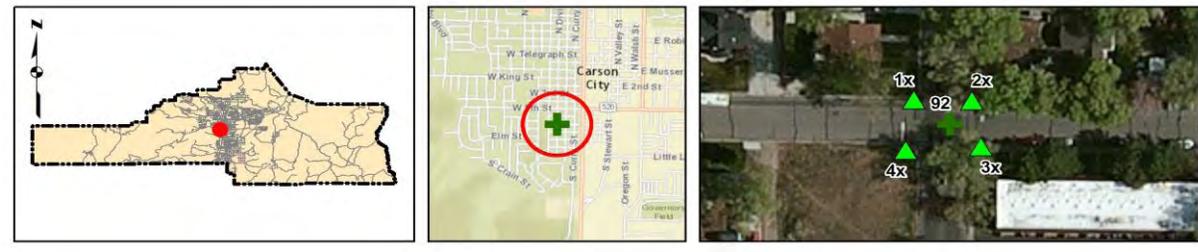
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	364	SF	\$ 6.00	\$ 2,184.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	236	LF	\$ 6.00	\$ 1,416.00
---	REPAVE ROADWAY	0	LS	\$ 5,000.00	\$ -
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	4,640.00
Engineering: (% +/-)	15%	\$ 1,011.43
Contingency: (% +/-)	20%	\$ 1,348.57
Estimated Project Cost:	\$	7,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Division St GPS ID: 93
 Project Name: Intersection of Division St and 8th 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)	414	SF	\$ 6.00	\$ 2,484.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	106	SF	\$ 2.00	\$ 212.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	244	LF	\$ 6.00	\$ 1,464.00
---	REPAVE ROADWAY	0	LS	\$ 5,000.00	\$ -
---	FIX PONDING	1	LS	\$ 2,000.00	\$ 2,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	9,200.00
Engineering: (% +/-)	15%	\$ 1,628.57
Contingency: (% +/-)	20%	\$ 2,171.43
Estimated Project Cost:	\$	13,000.00

Project Location



Field Observations

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

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

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



Ramp 1A



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Division St GPS ID: 94
 Project Name: Intersection of Division St and 9th 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)	455	SF	\$ 6.00	\$ 2,730.00
NDOT 6130130	DETECTABLE WARNINGS	50	SF	\$ 26.00	\$ 1,300.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	106	SF	\$ 2.00	\$ 212.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	236	LF	\$ 6.00	\$ 1,416.00
---	REPAVE ROADWAY	0	LS	\$ 5,000.00	\$ -
---	FIX PONDING	1	LS	\$ 2,000.00	\$ 2,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	7,658.00
Engineering: (% +/-)	15%	\$ 1,432.29
Contingency: (% +/-)	20%	\$ 1,909.71
Estimated Project Cost:	\$	11,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Ramp 2A



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Division St GPS ID: 95
 Project Name: Intersection of Division St and Adams St
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	364	SF	\$ 6.00	\$ 2,184.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	74	LF	\$ 6.00	\$ 444.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	8,668.00
Engineering: (% +/-)	15%	\$ 1,428.00
Contingency: (% +/-)	20%	\$ 1,904.00
Estimated Project Cost:	\$	12,000.00

Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Division St GPS ID: 96
 Project Name: Intersection of Division St and Ann 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)	414	SF	\$ 6.00	\$ 2,484.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	106	SF	\$ 2.00	\$ 212.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	242	LF	\$ 6.00	\$ 1,452.00
---	REPAVE ROADWAY	3	LS	\$ 5,000.00	\$ 15,000.00
---	FIX PONDING	1	LS	\$ 2,000.00	\$ 2,000.00
---	FIX CURB RAMP TRANSITION	1	LS	\$ 2,000.00	\$ 2,000.00
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	26,188.00
Engineering: (% +/-)	15%	\$ 4,205.14
Contingency: (% +/-)	20%	\$ 5,606.86
Estimated Project Cost:	\$	36,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Ramp 3A



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Division St GPS ID: 97
 Project Name: Intersection of Division St and Caroline St
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	414	SF	\$ 6.00	\$ 2,484.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	128	SF	\$ 2.00	\$ 256.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	324	LF	\$ 6.00	\$ 1,944.00
---	REPAVE ROADWAY	4	LS	\$ 5,000.00	\$ 20,000.00
---	FIX PONDING	1	LS	\$ 2,000.00	\$ 2,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	29,724.00
Engineering: (% +/-)	15%	\$ 4,832.57
Contingency: (% +/-)	20%	\$ 6,443.43
Estimated Project Cost:	\$	41,000.00

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 2% for stop control approaches	N/A		N/A	X	
Path of travel cross slope is greater than 5% for free-flow approaches		N/A		N/A	
Crosswalk width is less than 6'	N/A	N/A	N/A	N/A	Install crosswalk pavement markings
Crosswalk striping condition	None	None	None	None	

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

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



Ramp 1A



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Division St GPS ID: 98
 Project Name: Intersection of Division St and John St
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	464	SF	\$ 6.00	\$ 2,784.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	322	SF	\$ 2.00	\$ 644.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	306	LF	\$ 6.00	\$ 1,836.00
---	REPAVE ROADWAY	4	LS	\$ 5,000.00	\$ 20,000.00
---	FIX PONDING	2	LS	\$ 2,000.00	\$ 4,000.00
---	FIX CURB RAMP TRANSITION	1	LS	\$ 2,000.00	\$ 2,000.00
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	3	LS	\$ 2,000.00	\$ 6,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	38,304.00
Engineering: (% +/-)	15%	\$ 5,869.71
Contingency: (% +/-)	20%	\$ 7,826.29
Estimated Project Cost:	\$	52,000.00

Project Location



Field Observations

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

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

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



Ramp 1A



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Division St GPS ID: 99
 Project Name: Intersection of Division 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)	364	SF	\$ 6.00	\$ 2,184.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	282	LF	\$ 6.00	\$ 1,692.00
---	REPAVE ROADWAY	4	LS	\$ 5,000.00	\$ 20,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	24,916.00
Engineering: (% +/-)	15%	\$ 3,893.14
Contingency: (% +/-)	20%	\$ 5,190.86
Estimated Project Cost:	\$	34,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Division St GPS ID: 100
 Project Name: Intersection of Division 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)	364	SF	\$ 6.00	\$ 2,184.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	273	SF	\$ 2.00	\$ 546.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	330	LF	\$ 6.00	\$ 1,980.00
---	REPAVE ROADWAY	4	LS	\$ 5,000.00	\$ 20,000.00
---	FIX PONDING	3	LS	\$ 2,000.00	\$ 6,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	33,750.00
Engineering: (% +/-)	15%	\$ 5,250.00
Contingency: (% +/-)	20%	\$ 7,000.00
Estimated Project Cost:	\$	46,000.00

Project Location



Field Observations

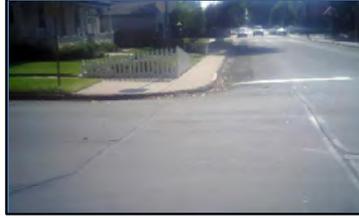
Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	Poor	Poor	Poor	Poor	Repare roadway and install crosswalk pavement markings
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches	N/A	X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

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%	X		X	X	Remove and replace curb ramp
Curb ramp running slope is greater than 8.33%	X			X	
Blended transition running slope is greater than 5%					
Cut-thru ramp running slope is greater than 5%					
Curb ramp cross slope is greater than 2%	X		X		Remove and replace landing area
Cut-thru ramp cross slope is greater than 2%					
Curb ramp width is less than 48"					
Cut-thru ramp width is less than 60"					
Permanent obstruction (>0.25") in curb ramp/landing/flares	X		X	X	For intersection ramps and commercial driveway ramps, install color truncated domes
Temporary obstruction (>0.25") in curb ramp/landing/flares					
No textured surface at base of curb ramp	X		X	X	Remove and replace landing area
No color contrast at base of curb ramp	X		X	X	
Landing area does not exist and is needed					
Landing area is less than 5' x 5' or slopes greater than 2%	X		X	X	Fix curb ramp counter slope
Curb ramp transition onto roadway is greater than 0.25"					
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%			X		Fix ponding
Ponding occurs at base of curb ramp	X		X	X	

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



Ramp 1A



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Division St GPS ID: 101
 Project Name: Intersection of Division St and Park 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)	414	SF	\$ 6.00	\$ 2,484.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	106	SF	\$ 2.00	\$ 212.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	164	LF	\$ 6.00	\$ 984.00
---	REPAVE ROADWAY	2	LS	\$ 5,000.00	\$ 10,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	16,720.00
Engineering: (% +/-)	15%	\$ 2,691.43
Contingency: (% +/-)	20%	\$ 3,588.57
Estimated Project Cost:	\$	23,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Ramp 3A



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Division St GPS ID: 102
 Project Name: Intersection of Division St and Proctor St
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	439	SF	\$ 6.00	\$ 2,634.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	328	SF	\$ 2.00	\$ 656.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	330	LF	\$ 6.00	\$ 1,980.00
---	REPAVE ROADWAY	4	LS	\$ 5,000.00	\$ 20,000.00
---	FIX PONDING	1	LS	\$ 2,000.00	\$ 2,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	30,310.00
Engineering: (% +/-)	15%	\$ 4,581.43
Contingency: (% +/-)	20%	\$ 6,108.57
Estimated Project Cost:	\$	41,000.00

Project Location

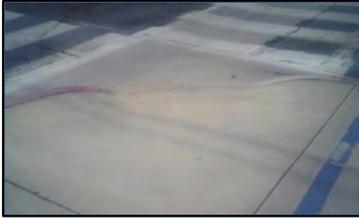


Field Observations

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

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

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



Ramp 1A



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: Division St GPS ID: 103
 Project Name: Intersection of Division 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)	282	SF	\$ 6.00	\$ 1,692.00
NDOT 6130130	DETECTABLE WARNINGS	20	SF	\$ 26.00	\$ 520.00
---	TACTILE WARNING DEVICE - RETROFIT	20	SF	\$ 60.00	\$ 1,200.00
NDOT 2021260	REMOVAL OF SIDEWALK	262	SF	\$ 2.00	\$ 524.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	344	LF	\$ 6.00	\$ 2,064.00
---	REPAVE ROADWAY	3	LS	\$ 5,000.00	\$ 15,000.00
---	FIX PONDING	2	LS	\$ 2,000.00	\$ 4,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	25,000.00
Engineering: (% +/-)	15%	\$ 3,857.14
Contingency: (% +/-)	20%	\$ 5,142.86
Estimated Project Cost:	\$	34,000.00

Project Location

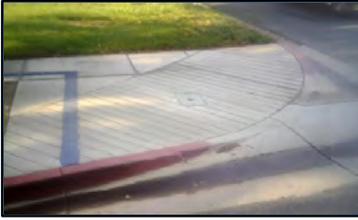


Field Observations

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

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

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



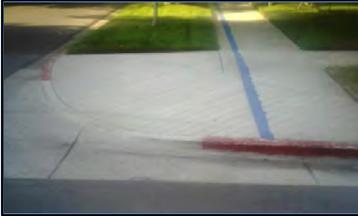
Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

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Project Location Map Sources:

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

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

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

Corridor: Division St GPS ID: 104
 Project Name: Intersection of Division St and Sophia St
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	464	SF	\$ 6.00	\$ 2,784.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	212	SF	\$ 2.00	\$ 424.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	322	LF	\$ 6.00	\$ 1,932.00
---	REPAVE ROADWAY	4	LS	\$ 5,000.00	\$ 20,000.00
---	FIX PONDING	2	LS	\$ 2,000.00	\$ 4,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	32,180.00
Engineering: (% +/-)	15%	\$ 5,065.71
Contingency: (% +/-)	20%	\$ 6,754.29
Estimated Project Cost:	\$	44,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A

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

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

Corridor: Division St GPS ID: 105
 Project Name: Intersection of Division St and Spear St
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	712	SF	\$ 6.00	\$ 4,272.00
NDOT 6130130	DETECTABLE WARNINGS	70	SF	\$ 26.00	\$ 1,820.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	408	SF	\$ 2.00	\$ 816.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	288	LF	\$ 6.00	\$ 1,728.00
---	REPAVE ROADWAY	4	LS	\$ 5,000.00	\$ 20,000.00
---	FIX PONDING	2	LS	\$ 2,000.00	\$ 4,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	3	LS	\$ 2,000.00	\$ 6,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	38,636.00
Engineering: (% +/-)	15%	\$ 6,156.00
Contingency: (% +/-)	20%	\$ 8,208.00
Estimated Project Cost:	\$	53,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Ramp 2A



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

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

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

Corridor: Division St GPS ID: 106
 Project Name: Intersection of Division St and Telegraph St
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	439	SF	\$ 6.00	\$ 2,634.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	253	SF	\$ 2.00	\$ 506.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	304	LF	\$ 6.00	\$ 1,824.00
---	REPAVE ROADWAY	4	LS	\$ 5,000.00	\$ 20,000.00
---	FIX PONDING	3	LS	\$ 2,000.00	\$ 6,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	32,004.00
Engineering: (% +/-)	15%	\$ 5,141.14
Contingency: (% +/-)	20%	\$ 6,854.86
Estimated Project Cost:	\$	44,000.00

Project Location



Field Observations

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

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

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



Ramp 1A



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 3B



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

Corridor: Division St GPS ID: 107
 Project Name: Intersection of Division 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)	414	SF	\$ 6.00	\$ 2,484.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	129	SF	\$ 2.00	\$ 258.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	360	LF	\$ 6.00	\$ 2,160.00
---	REPAVE ROADWAY	4	LS	\$ 5,000.00	\$ 20,000.00
---	FIX PONDING	1	LS	\$ 2,000.00	\$ 2,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	29,942.00
Engineering: (% +/-)	15%	\$ 4,739.14
Contingency: (% +/-)	20%	\$ 6,318.86
Estimated Project Cost:	\$	41,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Ramp 3A



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

Corridor: Division St GPS ID: 108
 Project Name: Intersection of Division 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)	364	SF	\$ 6.00	\$ 2,184.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	316	LF	\$ 6.00	\$ 1,896.00
---	REPAVE ROADWAY	4	LS	\$ 5,000.00	\$ 20,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	25,120.00
Engineering: (% +/-)	15%	\$ 3,805.71
Contingency: (% +/-)	20%	\$ 5,074.29
Estimated Project Cost:	\$	34,000.00

Project Location



Field Observations

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

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

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



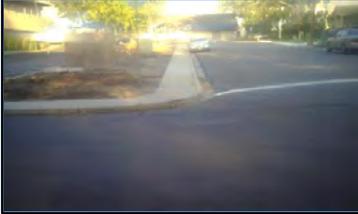
Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

Corridor: King's Canyon Rd GPS ID: 109
 Project Name: Intersection of King's Canyon Rd and Albany Ave
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	182	SF	\$ 6.00	\$ 1,092.00
NDOT 6130130	DETECTABLE WARNINGS	20	SF	\$ 26.00	\$ 520.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	76	LF	\$ 6.00	\$ 456.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	7,068.00
Engineering: (% +/-)	15%	\$ 1,256.57
Contingency: (% +/-)	20%	\$ 1,675.43
Estimated Project Cost:	\$	10,000.00

Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

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

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

Corridor: King's Canyon Rd GPS ID: 110
 Project Name: Intersection of King's Canyon Rd and Annapolis Ave
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	116	SF	\$ 6.00	\$ 696.00
NDOT 6130130	DETECTABLE WARNINGS	10	SF	\$ 26.00	\$ 260.00
---	TACTILE WARNING DEVICE - RETROFIT	10	SF	\$ 60.00	\$ 600.00
NDOT 2021260	REMOVAL OF SIDEWALK	96	SF	\$ 2.00	\$ 192.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	294	LF	\$ 6.00	\$ 1,764.00
---	REPAVE ROADWAY	3	LS	\$ 5,000.00	\$ 15,000.00
---	FIX PONDING	1	LS	\$ 2,000.00	\$ 2,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	22,512.00
Engineering: (% +/-)	15%	\$ 3,637.71
Contingency: (% +/-)	20%	\$ 4,850.29
Estimated Project Cost:	\$	31,000.00

Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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

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

Corridor: King's Canyon Rd GPS ID: 111
 Project Name: Intersection of King's Canyon Rd and Carville Circle
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	232	SF	\$ 6.00	\$ 1,392.00
NDOT 6130130	DETECTABLE WARNINGS	20	SF	\$ 26.00	\$ 520.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	43	SF	\$ 2.00	\$ 86.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	300	LF	\$ 6.00	\$ 1,800.00
---	REPAVE ROADWAY	3	LS	\$ 5,000.00	\$ 15,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	20,798.00
Engineering: (% +/-)	15%	\$ 3,515.14
Contingency: (% +/-)	20%	\$ 4,686.86
Estimated Project Cost:	\$	29,000.00

Project Location

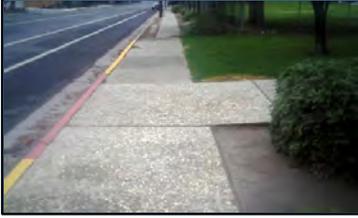


Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: King's Canyon Rd GPS ID: 112
 Project Name: Intersection of King's Canyon Rd and Phillips St
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	430	SF	\$ 6.00	\$ 2,580.00
NDOT 6130130	DETECTABLE WARNINGS	50	SF	\$ 26.00	\$ 1,300.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	413	SF	\$ 2.00	\$ 826.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	320	LF	\$ 6.00	\$ 1,920.00
---	REPAVE ROADWAY	3	LS	\$ 5,000.00	\$ 15,000.00
---	FIX PONDING	3	LS	\$ 2,000.00	\$ 6,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	4	LS	\$ 2,000.00	\$ 8,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	35,626.00
Engineering: (% +/-)	15%	\$ 5,711.71
Contingency: (% +/-)	20%	\$ 7,642.29
Estimated Project Cost:	\$	49,000.00

Project Location



Field Observations

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

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

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



Ramp 1A



Ramp 1B



Ramp 2A



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: King's Canyon Rd GPS ID: 113
 Project Name: Intersection of King's Canyon Rd and Pittman Pl
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	232	SF	\$ 6.00	\$ 1,392.00
NDOT 6130130	DETECTABLE WARNINGS	20	SF	\$ 26.00	\$ 520.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	47	SF	\$ 2.00	\$ 94.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	294	LF	\$ 6.00	\$ 1,764.00
---	REPAVE ROADWAY	3	LS	\$ 5,000.00	\$ 15,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	18,770.00
Engineering: (% +/-)	15%	\$ 3,098.57
Contingency: (% +/-)	20%	\$ 4,131.43
Estimated Project Cost:	\$	26,000.00

Project Location



Field Observations

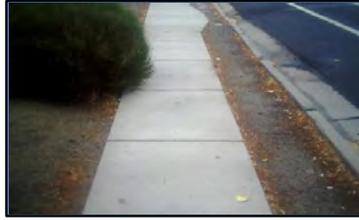
Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	N/A	Poor	Poor	Poor	Repave roadway and install crosswalk pavement markings
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches	N/A	N/A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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: King's Canyon Rd GPS ID: 114
 Project Name: Intersection of King's Canyon Rd and Tacoma Ave
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	116	SF	\$ 6.00	\$ 696.00
NDOT 6130130	DETECTABLE WARNINGS	10	SF	\$ 26.00	\$ 260.00
---	TACTILE WARNING DEVICE - RETROFIT	10	SF	\$ 60.00	\$ 600.00
NDOT 2021260	REMOVAL OF SIDEWALK	111	SF	\$ 2.00	\$ 222.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	204	LF	\$ 6.00	\$ 1,224.00
---	REPAVE ROADWAY	2	LS	\$ 5,000.00	\$ 10,000.00
---	FIX PONDING	1	LS	\$ 2,000.00	\$ 2,000.00
---	FIX CURB RAMP TRANSITION	1	LS	\$ 2,000.00	\$ 2,000.00
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	2	LS	\$ 2,000.00	\$ 4,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	21,002.00
Engineering: (% +/-)	15%	\$ 3,427.71
Contingency: (% +/-)	20%	\$ 4,570.29
Estimated Project Cost:	\$	29,000.00

Project Location



Field Observations

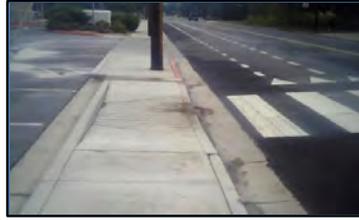
Intersection Issues	Crosswalk				Recommendations
	N	E	S	W	
Path of travel pavement condition	N/A	Poor	Poor	N/A	Repare roadway and install crosswalk pavement markings
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches	N/A	N/A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

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

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



Corner 1 No Ramp (1z)



Ramp 2A



Ramp 3A



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc. Priority: 13
 Project Description for Unsignalized Intersection

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

Corridor: King's Canyon Rd GPS ID: 115
 Project Name: Intersection of King's Canyon Rd and Winters 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)	0	SF	\$ 6.00	\$ -
NDOT 6130130	DETECTABLE WARNINGS	0	SF	\$ 26.00	\$ -
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	74	LF	\$ 6.00	\$ 444.00
---	REPAVE ROADWAY	1	LS	\$ 5,000.00	\$ 5,000.00
---	FIX PONDING	0	LS	\$ 2,000.00	\$ -
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	5,444.00
Engineering: (% +/-)	15%	\$ 1,095.43
Contingency: (% +/-)	20%	\$ 1,460.57
Estimated Project Cost:	\$	8,000.00

Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: King's Canyon Rd GPS ID: 116
 Project Name: Intersection of King's Canyon Rd and Curry St
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	546	SF	\$ 6.00	\$ 3,276.00
NDOT 6130130	DETECTABLE WARNINGS	60	SF	\$ 26.00	\$ 1,560.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	373	SF	\$ 2.00	\$ 746.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	164	LF	\$ 6.00	\$ 984.00
---	REPAVE ROADWAY	3	LS	\$ 5,000.00	\$ 15,000.00
---	FIX PONDING	1	LS	\$ 2,000.00	\$ 2,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	4	LS	\$ 2,000.00	\$ 8,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	31,566.00
Engineering: (% +/-)	15%	\$ 4,900.29
Contingency: (% +/-)	20%	\$ 6,533.71
Estimated Project Cost:	\$	43,000.00

Project Location



Field Observations

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

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

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



Ramp 1A



Ramp 1B



Ramp 2A



Corner 3 No Ramp (3z)



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: King's Canyon Rd GPS ID: 117
 Project Name: Intersection of King's Canyon Rd and Division St
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	591	SF	\$ 6.00	\$ 3,546.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	549	SF	\$ 2.00	\$ 1,098.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	280	LF	\$ 6.00	\$ 1,680.00
---	REPAVE ROADWAY	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	5	LS	\$ 2,000.00	\$ 10,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	45,364.00
Engineering: (% +/-)	15%	\$ 7,129.71
Contingency: (% +/-)	20%	\$ 9,506.29
Estimated Project Cost:	\$	62,000.00

Project Location



Field Observations

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

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

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



Ramp 1A



Ramp 1B



Ramp 2A



Ramp 2B



Ramp 3A



Ramp 3B



Ramp 4A



Ramp 4B

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: King's Canyon Rd GPS ID: 118
 Project Name: Intersection of King's Canyon Rd and Iris St
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	273	SF	\$ 6.00	\$ 1,638.00
NDOT 6130130	DETECTABLE WARNINGS	30	SF	\$ 26.00	\$ 780.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	154	SF	\$ 2.00	\$ 308.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	138	LF	\$ 6.00	\$ 828.00
---	REPAVE ROADWAY	2	LS	\$ 5,000.00	\$ 10,000.00
---	FIX PONDING	2	LS	\$ 2,000.00	\$ 4,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	2	LS	\$ 2,000.00	\$ 4,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	21,554.00
Engineering: (% +/-)	15%	\$ 3,619.71
Contingency: (% +/-)	20%	\$ 4,826.29
Estimated Project Cost:	\$	30,000.00

Project Location



Field Observations

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: King's Canyon Rd GPS ID: 119
 Project Name: Intersection of King's Canyon Rd and Minnesota 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)	646	SF	\$ 6.00	\$ 3,876.00
NDOT 6130130	DETECTABLE WARNINGS	60	SF	\$ 26.00	\$ 1,560.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	530	SF	\$ 2.00	\$ 1,060.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	274	LF	\$ 6.00	\$ 1,644.00
---	REPAVE ROADWAY	3	LS	\$ 5,000.00	\$ 15,000.00
---	FIX PONDING	3	LS	\$ 2,000.00	\$ 6,000.00
---	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	\$ -
---	MEDIAN NOSE MODIFICATION	0	LS	\$ 5,000.00	\$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	\$ 500.00	\$ -
---	FIX CURB RAMP COUNTER SLOPE	3	LS	\$ 2,000.00	\$ 6,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	35,140.00
Engineering: (% +/-)	15%	\$ 5,511.43
Contingency: (% +/-)	20%	\$ 7,348.57
Estimated Project Cost:	\$	48,000.00

Project Location



Field Observations

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

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

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



Ramp 1A



Ramp 1B



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A



Ramp 4B

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: King's Canyon Rd GPS ID: 120
 Project Name: Intersection of King's Canyon Rd and Nevada St
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	596	SF	\$ 6.00	\$ 3,576.00
NDOT 6130130	DETECTABLE WARNINGS	60	SF	\$ 26.00	\$ 1,560.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	39	SF	\$ 2.00	\$ 78.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	312	LF	\$ 6.00	\$ 1,872.00
---	REPAVE ROADWAY	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	2	LS	\$ 2,000.00	\$ 4,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	33,086.00
Engineering: (% +/-)	15%	\$ 5,106.00
Contingency: (% +/-)	20%	\$ 6,808.00
Estimated Project Cost:	\$	45,000.00

Project Location



Field Observations

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

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

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



Ramp 1A



Ramp 1B



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

Corridor: King's Canyon Rd GPS ID: 121
 Project Name: Intersection of King's Canyon Rd and Richmond Ave (East)
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	364	SF	\$ 6.00	\$ 2,184.00
NDOT 6130130	DETECTABLE WARNINGS	40	SF	\$ 26.00	\$ 1,040.00
---	TACTILE WARNING DEVICE - RETROFIT	0	SF	\$ 60.00	\$ -
NDOT 2021260	REMOVAL OF SIDEWALK	0	SF	\$ 2.00	\$ -
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	160	LF	\$ 6.00	\$ 960.00
---	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	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	14,184.00
Engineering: (% +/-)	15%	\$ 2,492.57
Contingency: (% +/-)	20%	\$ 3,323.43
Estimated Project Cost:	\$	20,000.00

Project Location



Field Observations

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

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

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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

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

Corridor: King's Canyon Rd GPS ID: 122
 Project Name: Intersection of King's Canyon Rd and Ormsby Blvd
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	332	SF	\$ 6.00	\$ 1,992.00
NDOT 6130130	DETECTABLE WARNINGS	20	SF	\$ 26.00	\$ 520.00
---	TACTILE WARNING DEVICE - RETROFIT	20	SF	\$ 60.00	\$ 1,200.00
NDOT 2021260	REMOVAL OF SIDEWALK	280	SF	\$ 2.00	\$ 560.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	552	LF	\$ 6.00	\$ 3,312.00
---	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	3	LS	\$ 2,000.00	\$ 6,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	35,584.00
Engineering: (% +/-)	15%	\$ 5,749.71
Contingency: (% +/-)	20%	\$ 7,666.29
Estimated Project Cost:	\$	49,000.00

Project Location



Field Observations

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

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

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



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

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Project Location Map Sources:

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

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

Corridor: King's Canyon Rd GPS ID: 123
 Project Name: Intersection of King's Canyon Rd and Richmond Ave (West)
 City: Carson City

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
NDOT 2030140	ROADWAY EXCAVATION	0	CY	\$ 9.00	\$ -
NDOT 6130240	CLASS AA CONCRETE CURB (TYPE 2)	0	LF	\$ 32.00	\$ -
NDOT 5020750	CLASS AA CONCRETE (MINOR)	257	SF	\$ 6.00	\$ 1,542.00
NDOT 6130130	DETECTABLE WARNINGS	20	SF	\$ 26.00	\$ 520.00
---	TACTILE WARNING DEVICE - RETROFIT	20	SF	\$ 60.00	\$ 1,200.00
NDOT 2021260	REMOVAL OF SIDEWALK	145	SF	\$ 2.00	\$ 290.00
NDOT 2021290	REMOVE PAVEMENT MARKINGS	0	LF	\$ 1.00	\$ -
NDOT 6340410	PERMANENT PAVEMENT MARKING FILM (TYPE 2) (VARIES)	302	LF	\$ 6.00	\$ 1,812.00
---	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	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	26,364.00
Engineering: (% +/-)	15%	\$ 4,129.71
Contingency: (% +/-)	20%	\$ 5,506.29
Estimated Project Cost:	\$	36,000.00

Project Location



Field Observations

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

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

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



Ramp 1A



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A

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