

City of Norman
ADA Self-Evaluation and Transition Plan
Unsignalized Intersection Cost Projection Summary
4/30/2018

GPS ID	Project Name	Cost Projection	Priority
1000	Intersection of 24th Ave NW and Westport Dr	\$ 40,000	5
1001	Intersection of 24th Ave NW and Tee Dr	\$ 9,000	2
1002	Intersection of 24th Ave NW and Palmer Cir	\$ 3,000	12
1003	Intersection of 24th Ave NW and Fairway Ct	\$ 6,000	5
1004	Intersection of 24th Ave NW and Dakota St	\$ 17,000	5
1005	Intersection of 24th Ave NW and Crestmont St	\$ 21,000	5
1006	Intersection of 24th Ave NW and driveway (Lat.35.2217; Long.-97.4766)	\$ 1,000	13
1007	Intersection of 24th Ave NW and driveway (Lat.35.2210; Long.-97.4766)	\$ 7,000	5
1008	Intersection of 24th Ave NW and driveway (Lat.35.2192; Long.-97.4766)	\$ 10,000	5
1009	Intersection of 24th Ave SW and alley (Lat.35.2172; Long.-97.4766)	\$ 15,000	5
1010	Intersection of 24th Ave SW and Butler Dr	\$ 20,000	5
1011	Intersection of 24th Ave SW and Osborne Dr	\$ 11,000	5
1012	Intersection of 24th Ave SW and George L Cross Dr / Terrace Pl	\$ 17,000	2
1013	Intersection of 24th Ave SW and Bud Wilkinson Dr SW	\$ 27,000	2
1014	Intersection of 24th Ave SW and driveway (Lat.35.2126; Long.-97.4766)	\$ 13,000	2
1015	Intersection of 24th Ave SW and Westpark Dr	\$ 12,000	5
1016	Intersection of 24th Ave SW and Calvin Dr	\$ 8,000	5
1017	Intersection of 24th Ave SW and Wilcox Dr	\$ 21,000	5
1018	Intersection of 24th Ave SW and Springer Dr	\$ 12,000	5
1019	Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.4745)	\$ 12,000	2
1020	Intersection of W Main St and Merkle Dr	\$ 14,000	5
1021	Intersection of W Main St and Collier Dr	\$ 17,000	2
1022	Intersection of W Main St and Thompson Dr	\$ 26,000	5
1023	Intersection of W Main St and N Sherry Ave	\$ 26,000	5
1024	Intersection of W Main St and S Westchester	\$ 25,000	5
1025	Intersection of W Main St and Wylie Rd	\$ 9,000	12
1026	Intersection of W Main St and Foreman Ave	\$ 7,000	5
1027	Intersection of W Main St and Gatewood Dr	\$ 9,000	5
1028	Intersection of E Lindsey St and Lindsey Plaza Dr	\$ 13,000	6
1029	Intersection of E Lindsey St and Creekside Dr	\$ 7,000	9
1030	Intersection of E Lindsey St and Brandywine Ln	\$ 15,000	5
90021	Intersection of E Lindsey St and driveway (Lat. 35.2038; Long. -97.4231)	\$ 12,000	5
90022	Intersection of E Lindsey St and driveway (Lat. 35.2038; Long. -97.4229)	\$ 8,000	5
90023	Intersection of E Lindsey St and driveway (Lat. 35.2038; Long. -97.4224)	\$ 13,000	5
90024	Intersection of E Lindsey St and driveway (Lat. 35.2038; Long. -97.4186)	\$ 11,000	2
90025	Intersection of E Lindsey St and driveway (Lat. 35.2038; Long. -97.4176)	\$ 5,000	2
90026	Intersection of E Lindsey St and driveway (Lat. 35.2039; Long. -97.4147)	\$ 4,000	5
90027	Intersection of E Lindsey St and driveway (Lat. 35.2038; Long. -97.418)	\$ 5,000	2
90028	Intersection of E Lindsey St and driveway (Lat. 35.2039; Long. -97.421)	\$ 7,000	2
90029	Intersection of E Lindsey St and driveway (Lat. 35.2039; Long. -97.4065)	\$ 5,000	2
90030	Intersection of E Lindsey St and driveway (Lat. 35.2039; Long. -97.4072)	\$ 2,000	2
90031	Intersection of E Lindsey St and driveway (Lat. 35.2039; Long. -97.4087)	\$ 6,000	2
90032	Intersection of E Lindsey St and driveway (Lat. 35.2039; Long. -97.4091)	\$ 2,000	2
90033	Intersection of E Lindsey St and driveway (Lat. 35.2039; Long. -97.4131)	\$ 10,000	5
90034	Intersection of E Lindsey St and driveway (Lat. 35.2039; Long. -97.4128)	\$ -	Compliant
90035	Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.4595)	\$ 15,000	2
90036	Intersection of W Main St and driveway (Lat. 35.2185; Long. -97.4622)	\$ 8,000	5
90037	Intersection of W Main St and driveway (Lat. 35.2185; Long. -97.4619)	\$ 5,000	5
90038	Intersection of W Main St and driveway (Lat. 35.2185; Long. -97.4617)	\$ 3,000	6
90039	Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.4615)	\$ 8,000	5
90040	Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.461)	\$ 11,000	5
90041	Intersection of W Main St and driveway (Lat. 35.2185; Long. -97.4606)	\$ 5,000	5

GPS ID	Project Name	Cost Projection	Priority
90042	Intersection of W Main St and driveway (Lat. 35.2185; Long. -97.4603)	\$ 8,000	5
90043	Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.4597)	\$ 2,000	13
90044	Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.4762)	\$ 3,000	5
90045	Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.4759)	\$ 7,000	5
90046	Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.4739)	\$ 8,000	2
90047	Intersection of W Main St and driveway (Lat. 35.2185; Long. -97.4734)	\$ 5,000	2
90048	Intersection of W Main St and driveway (Lat. 35.2185; Long. -97.4732)	\$ 8,000	5
90049	Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.4723)	\$ 8,000	2
90050	Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.4721)	\$ 8,000	2
90051	Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.472)	\$ 8,000	2
90052	Intersection of W Main St and driveway (Lat. 35.2185; Long. -97.471)	\$ 8,000	5
90053	Intersection of W Main St and driveway (Lat. 35.2185; Long. -97.4708)	\$ 7,000	5
90054	Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.4699)	\$ 15,000	5
90055	Intersection of W Main St and driveway (Lat. 35.2185; Long. -97.4696)	\$ 18,000	5
90056	Intersection of W Main St and driveway (Lat. 35.2185; Long. -97.4694)	\$ 12,000	5
90057	Intersection of W Main St and driveway (Lat. 35.2185; Long. -97.4692)	\$ 7,000	5
90058	Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.469)	\$ 4,000	6
90059	Intersection of W Main St and driveway (Lat. 35.2185; Long. -97.4685)	\$ 3,000	6
90060	Intersection of W Main St and driveway (Lat. 35.2185; Long. -97.4687)	\$ 3,000	6
90061	Intersection of W Main St and driveway (Lat. 35.2185; Long. -97.47)	\$ 2,000	13
90062	Intersection of W Main St and driveway (Lat. 35.2185; Long. -97.4704)	\$ 2,000	13
90063	Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.4742)	\$ 4,000	2
90064	Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.4754)	\$ 2,000	13
90065	Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.4756)	\$ 2,000	13
90066	Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.4758)	\$ 2,000	2
90067	Intersection of 24th Ave SW and driveway (Lat. 35.2178; Long. -97.4766)	\$ 7,000	5
90068	Intersection of 24th Ave SW and George L Cross Dr	\$ 11,000	5
90069	Intersection of 24th Ave SW and driveway (Lat. 35.2122; Long. -97.4767)	\$ 2,000	2
90070	Intersection of 24th Ave SW and driveway (Lat. 35.212; Long. -97.4767)	\$ 5,000	2
90071	Intersection of 24th Ave SW and driveway (Lat. 35.2124; Long. -97.4767)	\$ 5,000	2
90072	Intersection of 24th Ave SW and driveway (Lat. 35.2179; Long. -97.4767)	\$ 5,000	5
90073	Intersection of 24th Ave NW and driveway (Lat. 35.219; Long. -97.4767)	\$ 4,000	5
90074	Intersection of 24th Ave NW and driveway (Lat. 35.222; Long. -97.4767)	\$ 3,000	5
90075	Intersection of 24th Ave NW and driveway (Lat. 35.2221; Long. -97.4767)	\$ 2,000	13
90076	Intersection of 24th Ave NW and driveway (Lat. 35.2225; Long. -97.4767)	\$ 2,000	13
90077	Intersection of 24th Ave NW and driveway (Lat. 35.2228; Long. -97.4766)	\$ 7,000	5
90078	Intersection of 24th Ave NW and driveway (Lat. 35.2226; Long. -97.4766)	\$ 2,000	6
90079	Intersection of 24th Ave NW and driveway (Lat. 35.2213; Long. -97.4766)	\$ 2,000	13
90080	Intersection of 24th Ave NW and driveway (Lat. 35.2203; Long. -97.4766)	\$ 2,000	5
90081	Intersection of 24th Ave NW and driveway (Lat. 35.2199; Long. -97.4766)	\$ 5,000	5
90082	Intersection of 24th Ave NW and driveway (Lat. 35.2235; Long. -97.4767)	\$ 10,000	5
90083	Intersection of 24th Ave NW and driveway (Lat. 35.2237; Long. -97.4767)	\$ 1,000	9
90084	Intersection of 24th Ave NW and driveway (Lat. 35.2238; Long. -97.4767)	\$ 2,000	9
90085	Intersection of 24th Ave NW and driveway (Lat. 35.2247; Long. -97.4767)	\$ 5,000	5
90086	Intersection of 24th Ave NW and driveway (Lat. 35.2249; Long. -97.4767)	\$ 3,000	5
90087	Intersection of 24th Ave NW and driveway (Lat. 35.227; Long. -97.4779)	\$ 8,000	5
90088	Intersection of 24th Ave NW and driveway (Lat. 35.2276; Long. -97.4786)	\$ 5,000	5
90089	Intersection of 24th Ave NW and driveway (Lat. 35.228; Long. -97.479)	\$ 8,000	5
90090	Intersection of 24th Ave NW and driveway (Lat. 35.2283; Long. -97.4793)	\$ 8,000	5
90091	Intersection of 24th Ave NW and driveway (Lat. 35.2286; Long. -97.4797)	\$ 8,000	5
90092	Intersection of 24th Ave NW and driveway (Lat. 35.2291; Long. -97.4802)	\$ 7,000	2
90093	Intersection of 24th Ave NW and drainage structure (Lat. 35.2293; Long. -97.4803)	\$ 8,000	2
90094	Intersection of 24th Ave NW and driveway (Lat. 35.2296; Long. -97.4804)	\$ 15,000	2
90095	Intersection of 24th Ave NW and driveway (Lat. 35.2306; Long. -97.4804)	\$ 15,000	2
90096	Intersection of 24th Ave NW and driveway (Lat. 35.2311; Long. -97.4804)	\$ 15,000	5
90097	Intersection of 24th Ave NW and driveway (Lat. 35.2322; Long. -97.4804)	\$ 8,000	5
90098	Intersection of 24th Ave NW and driveway (Lat. 35.2324; Long. -97.4804)	\$ 5,000	5

Kimley-Horn and Associates, Inc.

Priority: 5

Project Description for Unsignalized Intersection

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: 24th Ave NW
 Project Name: Intersection of 24th Ave NW and Westport Dr
 City: Norman

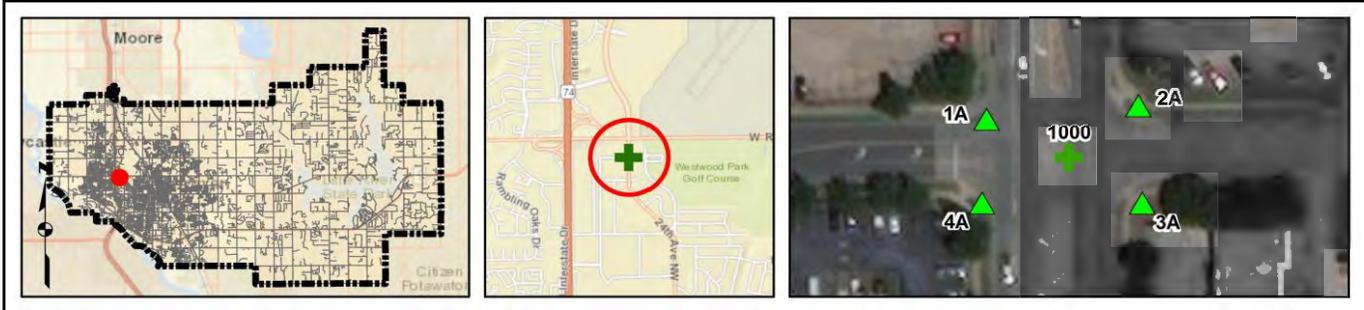
GPS ID: 1000

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	59	SY	\$ 50.00	\$ 2,950.00
ODOT 610(I)-4610	Tactile Warning Device - New	80	SF	\$ 25.00	\$ 2,000.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	44	SY	\$ 12.00	\$ 528.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	576	LF	\$ 6.00	\$ 3,456.00
---	Repave Roadway	2	LS	\$ 5,000.00	\$ 10,000.00
---	Fix Ponding	1	LS	\$ 2,000.00	\$ 2,000.00
---	Fix Curb Ramp Transition	4	LS	\$ 2,000.00	\$ 8,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	1	LS	\$ 500.00	\$ 500.00
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -
				Subtotal:	\$ 29,434.00
				Engineering: (% +/-)	15% \$ 4,528.29
				Contingency: (% +/-)	20% \$ 6,037.71
				Estimated Project Cost:	\$ 40,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition	Good	Good	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	X	N/A		
Path of travel cross slope is greater than 5% for free-flow approaches		N/A		N/A	Install crosswalk pavement markings
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)				Possible Solutions	
	1A	2A	3A	4A		
Curb ramp does not exist and is needed					Remove and replace curb ramp	
Curb ramp does not land in crosswalk						
No 4' x 4' clear space at base of curb ramp						
Curbed side is not 90° or has traversable adjacent surface						
Flare cross slope is greater than 10%			X	X		
Curb ramp running slope is greater than 8.3%	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"					Remove temporary obstruction For intersection, commercial driveway, and park 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	X	X	X	X		
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 Fix curb ramp transition
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	X	X	X		
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%						Fix ponding
Ponding occurs at base of curb ramp			X			

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



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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

Project Location Map Sources:

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

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: 24th Ave NW
 Project Name: Intersection of 24th Ave NW and Tee Dr
 City: Norman

GPS ID: 1001

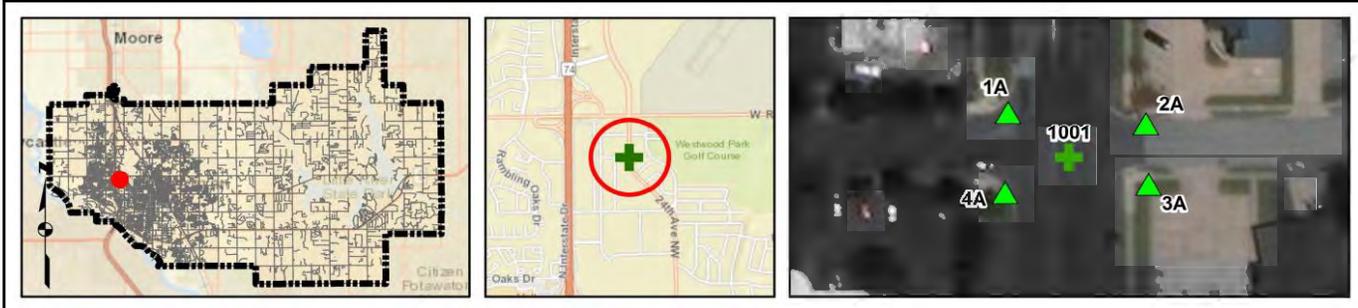
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00	\$ 500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	15	SY	\$ 12.00	\$ 180.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	158	LF	\$ 6.00	\$ 948.00
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	1	LS	\$ 2,000.00	\$ 2,000.00
---	Fix Curb Ramp Transition	1	LS	\$ 2,000.00	\$ 2,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	6,378.00
Engineering: (% +/-)	15%	\$ 1,123.71
Contingency: (% +/-)	20%	\$ 1,498.29
Estimated Project Cost:	\$	9,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition	N/A	Good	N/A	Good	
Path of travel running slope is greater than 5%	N/A		N/A		
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)				Possible Solutions
	1A	2A	3A	4A	
Curb ramp does not exist and is needed					
Curb ramp does not land in crosswalk					
No 4' x 4' clear space at base of curb ramp					
Curbed side is not 90° or has traversable adjacent surface			X		
Flare cross slope is greater than 10%					
Curb ramp running slope is greater than 8.3%					
Blended transition running slope is greater than 5%					
Cut-thru ramp running slope is greater than 5%					
Curb ramp cross slope is greater than 2%	X				Remove and replace curb ramp
Cut-thru ramp cross slope is greater than 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'	X				Fix curb ramp transition
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%					
Ponding occurs at base of curb ramp		X			Fix ponding



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc.

Priority: 12

Project Description for Unsignalized Intersection

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: 24th Ave NW
 Project Name: Intersection of 24th Ave NW and Palmer Cir
 City: Norman

GPS ID: 1002

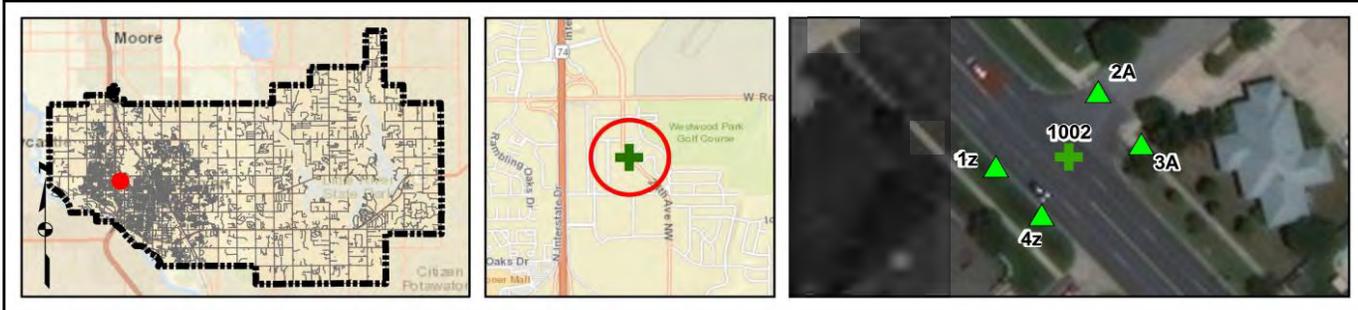
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00	\$ 500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	15	SY	\$ 12.00	\$ 180.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	66	LF	\$ 6.00	\$ 396.00
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	0	LS	\$ 2,000.00	\$ -
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	1,826.00
Engineering: (% +/-)	15%	\$ 503.14
Contingency: (% +/-)	20%	\$ 670.86
Estimated Project Cost:	\$	3,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition	N/A	Good	N/A	N/A	
Path of travel running slope is greater than 5%	N/A		N/A	N/A	
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)				Possible Solutions
	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		X	X		
Flare cross slope is greater than 10%					
Curb ramp running slope is greater than 8.3%					
Blended transition running slope is greater than 5%					
Cut-thru ramp running slope is greater than 5%					
Curb ramp cross slope is greater than 2%		X			
Cut-thru ramp cross slope is greater than 2%					
Curb ramp width is less than 48"					
Cut-thru ramp width is less than 60"					
Permanent obstruction (>0.25') in curb ramp/landing/flares					
Temporary obstruction (>0.25') in curb ramp/landing/flares					
No textured surface at base of curb ramp					
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)



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 Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor : 24th Ave NW

GPS ID: 1003

Project Name: Intersection of 24th Ave NW and Fairway Ct
 City: Norman

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00	\$ 500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	22	SY	\$ 12.00	\$ 264.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	58	LF	\$ 6.00	\$ 348.00
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	1	LS	\$ 2,000.00	\$ 2,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	3,862.00
Engineering: (% +/-)	15%	\$ 916.29
Contingency: (% +/-)	20%	\$ 1,221.71
Estimated Project Cost:	\$	6,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition	N/A	Good	N/A	N/A	
Path of travel running slope is greater than 5%	N/A		N/A	N/A	
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)				Possible Solutions
	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		X	X		
Flare cross slope is greater than 10%					
Curb ramp running slope is greater than 8.3%					
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		X			Remove and replace 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'			X		Fix curb ramp transition
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%					
Ponding occurs at base of curb ramp					



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

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: 24th Ave NW
 Project Name: Intersection of 24th Ave NW and Dakota St
 City: Norman

GPS ID: 1004

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	8	SY	\$ 50.00	\$ 400.00
ODOT 610(I)-4610	Tactile Warning Device - New	10	SF	\$ 25.00	\$ 250.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	8	SY	\$ 12.00	\$ 96.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	152	LF	\$ 6.00	\$ 912.00
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	1	LS	\$ 2,000.00	\$ 2,000.00
---	Fix Curb Ramp Transition	4	LS	\$ 2,000.00	\$ 8,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	1	LS	\$ 500.00	\$ 500.00
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	12,158.00
Engineering: (% +/-)	15%	\$ 2,075.14
Contingency: (% +/-)	20%	\$ 2,766.86
Estimated Project Cost:	\$	17,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition	N/A	Good	N/A	Good	
Path of travel running slope is greater than 5%	N/A		N/A		
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)				Possible Solutions
	1A	2A	3A	4A	
Curb ramp does not exist and is needed					
Curb ramp does not land in crosswalk					
No 4' x 4' clear space at base of curb ramp					
Curbed side is not 90° or has traversable adjacent surface					
Flare cross slope is greater than 10%					
Curb ramp running slope is greater than 8.3%		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			
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 temporary obstruction
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'	X	X	X	X	Fix curb ramp transition
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%					
Ponding occurs at base of curb ramp			X		Fix ponding



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc.

Priority: 5

Project Description for Unsignalized Intersection

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor : 24th Ave NW

GPS ID: 1005

Project Name: Intersection of 24th Ave NW and Crestmont St
 City: Norman

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	11	SY	\$ 50.00	\$ 550.00
ODOT 610(I)-4610	Tactile Warning Device - New	10	SF	\$ 25.00	\$ 250.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	30	SF	\$ 60.00	\$ 1,800.00
ODOT 619(B)-4792	Removal of Sidewalk	13	SY	\$ 12.00	\$ 156.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	112	LF	\$ 6.00	\$ 672.00
---	Repave Roadway	2	LS	\$ 5,000.00	\$ 10,000.00
---	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:	\$	15,428.00
Engineering: (% +/-)	15%	\$ 2,388.00
Contingency: (% +/-)	20%	\$ 3,184.00
Estimated Project Cost:	\$	21,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition	N/A	Good	N/A	Good	
Path of travel running slope is greater than 5%	N/A		N/A		
Path of travel cross slope is greater than 2% for stop control approaches	N/A	X	N/A	X	Repave roadway and install crosswalk pavement markings
Path of travel cross slope is greater than 5% for free-flow approaches	N/A	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)				Possible Solutions
	1z	2A	3A	4z	
Curb ramp does not exist and is needed					
Curb ramp does not land in crosswalk					
No 4' x 4' clear space at base of curb ramp					
Curbed side is not 90° or has traversable adjacent surface		X			Remove and replace curb ramp
Flare cross slope is greater than 10%					
Curb ramp running slope is greater than 8.3%		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/flare					
Temporary obstruction (>0.25') in curb ramp/landing/flare					For intersection, commercial driveway, and park ramps, install color truncated domes
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 Fix curb ramp transition
Landing area does not exist and is needed					
Landing area is less than 5' x 5' or slopes greater than 2%		X	X		
Curb ramp transition onto roadway is greater than 0.25'		X			
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%					
Ponding occurs at base of curb ramp					



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

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor : 24th Ave NW
 Project Name: Intersection of 24th Ave NW and driveway (Lat.35.2217; Long.-97.4766)
 City: Norman

GPS ID: 1006

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	0	SY	\$ 50.00	\$ -
ODOT 610(I)-4610	Tactile Warning Device - New	0	SF	\$ 25.00	\$ -
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	10	SF	\$ 60.00	\$ 600.00
ODOT 619(B)-4792	Removal of Sidewalk	0	SY	\$ 12.00	\$ -
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	0	LF	\$ 6.00	\$ -
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	0	LS	\$ 2,000.00	\$ -
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	600.00
Engineering: (% +/-)	15%	\$ 171.43
Contingency: (% +/-)	20%	\$ 228.57
Estimated Project Cost:	\$	1,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition					All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV)
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches					
Path of travel cross slope is greater than 5% for free-flow approaches					
Crosswalk width is less than 6'					
Crosswalk striping condition					

Curb Ramp Issues	Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp)				Possible Solutions
	1A	2A	3z	4A	
Curb ramp does not exist and is needed					For intersection, commercial driveway, and park ramps, install color truncated domes
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 8.3%					
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		
No color contrast at base of curb ramp			X		
Landing area does not exist and is needed					
Landing area is less than 5' x 5' or slopes greater than 2%					
Curb ramp transition onto roadway is greater than 0.25'					
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%					
Ponding occurs at base of curb ramp					



Ramp 1A



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: 5

Project Description for Unsignalized Intersection

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor : 24th Ave NW

GPS ID: 1007

Project Name: Intersection of 24th Ave NW and driveway (Lat.35.2210; Long.-97.4766)
 City: Norman

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	18	SY	\$ 50.00	\$ 900.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00	\$ 500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	20	SF	\$ 60.00	\$ 1,200.00
ODOT 619(B)-4792	Removal of Sidewalk	11	SY	\$ 12.00	\$ 132.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	0	LF	\$ 6.00	\$ -
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	1	LS	\$ 2,000.00	\$ 2,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	4,732.00
Engineering: (% +/-)	15%	\$ 972.00
Contingency: (% +/-)	20%	\$ 1,296.00
Estimated Project Cost:	\$	7,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition					All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV)
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches					
Path of travel cross slope is greater than 5% for free-flow approaches					
Crosswalk width is less than 6'					
Crosswalk striping condition					

Curb Ramp Issues	Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp)				Possible Solutions
	1A	2z	3z	4z	
Curb ramp does not exist and is needed				X	Install curb ramp; if median improvement, see shapefile
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 8.3%	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, commercial driveway, and park 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 Fix curb ramp transition
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				
Curb ramp transition onto roadway is greater than 0.25'	X				
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%					
Ponding occurs at base of curb ramp					



Ramp 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: 5

Project Description for Unsignalized Intersection

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: 24th Ave NW

GPS ID: 1008

Project Name: Intersection of 24th Ave NW and driveway (Lat.35.2192; Long.-97.4766)
 City: Norman

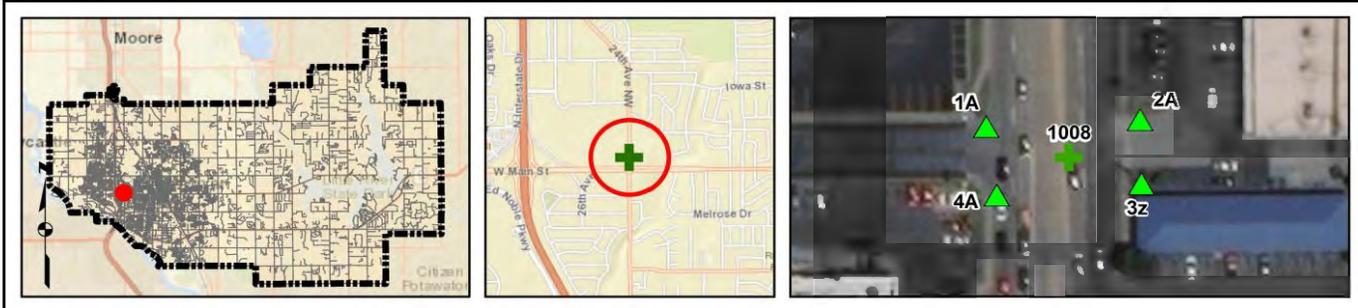
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	22	SY	\$ 50.00	\$ 1,100.00
ODOT 610(I)-4610	Tactile Warning Device - New	30	SF	\$ 25.00	\$ 750.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	10	SF	\$ 60.00	\$ 600.00
ODOT 619(B)-4792	Removal of Sidewalk	28	SY	\$ 12.00	\$ 336.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	0	LF	\$ 6.00	\$ -
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	2	LS	\$ 2,000.00	\$ 4,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	6,786.00
Engineering: (% +/-)	15%	\$ 1,377.43
Contingency: (% +/-)	20%	\$ 1,836.57
Estimated Project Cost:	\$	10,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition					All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV)
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches					
Path of travel cross slope is greater than 5% for free-flow approaches					
Crosswalk width is less than 6'					
Crosswalk striping condition					

Curb Ramp Issues	Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp)				Possible Solutions	
	1A	2A	3z	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 8.3%		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"					For intersection, commercial driveway, and park 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	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'		X		X		
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%						Fix curb ramp transition
Ponding occurs at base of curb ramp						



Ramp 1A



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

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: 24th Ave SW
 Project Name: Intersection of 24th Ave SW and alley (Lat.35.2172; Long.-97.4766)
 City: Norman

GPS ID: 1009

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	34	LF	\$ 7.00	\$ 238.00
ODOT 610(A)-0602	4" Concrete Sidewalk	37	SY	\$ 50.00	\$ 1,850.00
ODOT 610(I)-4610	Tactile Warning Device - New	50	SF	\$ 25.00	\$ 1,250.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	20	SF	\$ 60.00	\$ 1,200.00
ODOT 619(B)-4792	Removal of Sidewalk	44	SY	\$ 12.00	\$ 528.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	0	LF	\$ 6.00	\$ -
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	3	LS	\$ 2,000.00	\$ 6,000.00
---	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:	\$	11,066.00
Engineering: (% +/-)	15%	\$ 1,686.00
Contingency: (% +/-)	20%	\$ 2,248.00
Estimated Project Cost:	\$	15,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition					All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV)
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches					
Path of travel cross slope is greater than 5% for free-flow approaches					
Crosswalk width is less than 6'					
Crosswalk striping condition					

Curb Ramp Issues	Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp)							Possible Solutions
	WF	WG	1A	2A	3A	4z		
Curb ramp does not exist and is needed	X	X						Remove and replace 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 8.3%	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, commercial driveway, and park 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	X		
No color contrast at base of curb ramp	X	X	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 U.25		X	X	X				
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%								
Ponding occurs at base of curb ramp								
								Fix curb ramp transition



Ramp West F



Ramp West G



Ramp 1A



Ramp 2A



Ramp 3A



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Project Description for Unsignalized Intersection

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor : 24th Ave SW

GPS ID: 1010

Project Name: Intersection of 24th Ave SW and Butler Dr
 City: Norman

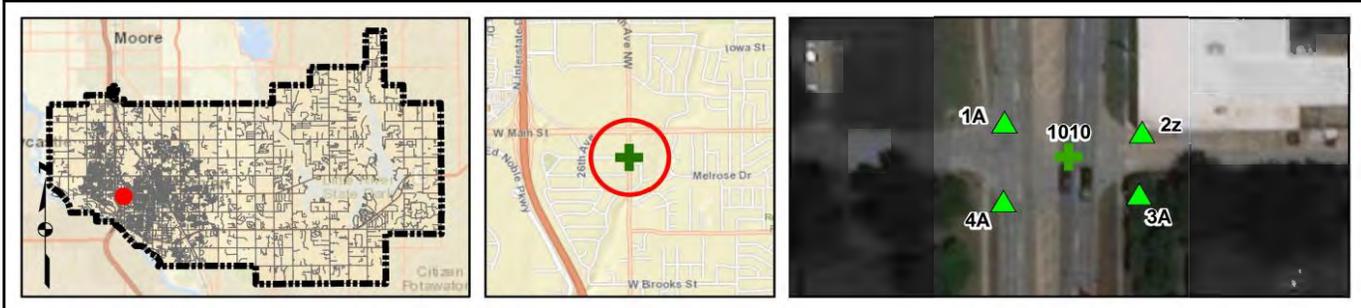
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	18	SY	\$ 50.00	\$ 900.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00	\$ 500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	20	SF	\$ 60.00	\$ 1,200.00
ODOT 619(B)-4792	Removal of Sidewalk	22	SY	\$ 12.00	\$ 264.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	150	LF	\$ 6.00	\$ 900.00
---	Repave Roadway	1	LS	\$ 5,000.00	\$ 5,000.00
---	Fix Ponding	1	LS	\$ 2,000.00	\$ 2,000.00
---	Fix Curb Ramp Transition	2	LS	\$ 2,000.00	\$ 4,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	14,764.00
Engineering: (% +/-)	15%	\$ 2,244.00
Contingency: (% +/-)	20%	\$ 2,992.00
Estimated Project Cost:	\$	20,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition	N/A	Poor	N/A	Good	Repave roadway and install crosswalk pavement markings
Path of travel running slope is greater than 5%	N/A		N/A		
Path of travel cross slope is greater than 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	N/A	N/A	Install crosswalk pavement markings
Crosswalk width is less than 6'	N/A	N/A	N/A	N/A	
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)				Possible Solutions	
	1A	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 8.3%						
Blended transition running slope is greater than 5%						
Cut-thru ramp running slope is greater than 5%						
Curb ramp cross slope is greater than 2%			X			
Cut-thru ramp cross slope is greater than 2%						
Curb ramp width is less than 48"	X				For intersection, commercial driveway, and park 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	X		
Curb ramp transition onto roadway is greater than 0.25'	X			X		Fix curb ramp transition
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%						Fix ponding
Ponding occurs at base of curb ramp	X					



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 Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor : 24th Ave SW
 Project Name: Intersection of 24th Ave SW and Osborne Dr
 City: Norman

GPS ID: 1011

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00	\$ 500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	10	SF	\$ 60.00	\$ 600.00
ODOT 619(B)-4792	Removal of Sidewalk	21	SY	\$ 12.00	\$ 252.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	60	LF	\$ 6.00	\$ 360.00
---	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:	\$	7,462.00
Engineering: (% +/-)	15%	\$ 1,516.29
Contingency: (% +/-)	20%	\$ 2,021.71
Estimated Project Cost:	\$	11,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition	N/A	N/A	N/A	Good	
Path of travel running slope is greater than 5%	N/A	N/A	N/A		
Path of travel cross slope is greater than 2% for stop control approaches	N/A	N/A	N/A	X	Repave roadway and install crosswalk pavement markings
Path of travel cross slope is greater than 5% for free-flow approaches	N/A	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)				Possible Solutions
	1A	2z	3z	4A	
Curb ramp does not exist and is needed					
Curb ramp does not land in crosswalk					
No 4' x 4' clear space at base of curb ramp					
Curbed side is not 90° or has traversable adjacent surface	X			X	
Flare cross slope is greater than 10%					
Curb ramp running slope is greater than 8.3%	X				
Blended transition running slope is greater than 5%					
Cut-thru ramp running slope is greater than 5%					
Curb ramp cross slope is greater than 2%	X			X	Remove and replace curb ramp
Cut-thru ramp cross slope is greater than 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					
Temporary obstruction (>0.25') in curb ramp/landing/flares					
No textured surface at base of curb ramp	X	X		X	For intersection, commercial driveway, and park ramps, install color truncated domes
No color contrast at base of curb ramp	X	X		X	
Landing area does not exist and is needed					
Landing area is less than 5' x 5' or slopes greater than 2%	X			X	Remove and replace landing area
Curb ramp transition onto roadway is greater than 0.25'					
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%					
Ponding occurs at base of curb ramp					



Ramp 1A



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc.

Priority: 2

Project Description for Unsignalized Intersection

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor : 24th Ave SW

GPS ID: 1012

Project Name: Intersection of 24th Ave SW and George L. Cross Dr / Terrace Pl
 City: Norman

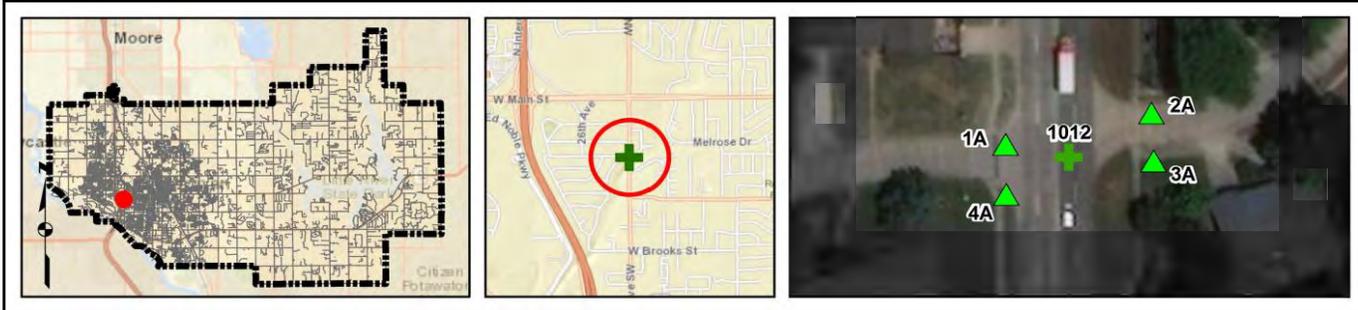
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	30	SY	\$ 50.00	\$ 1,500.00
ODOT 610(I)-4610	Tactile Warning Device - New	40	SF	\$ 25.00	\$ 1,000.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	37	SY	\$ 12.00	\$ 444.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	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	2	LS	\$ 2,000.00	\$ 4,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	12,592.00
Engineering: (% +/-)	15%	\$ 1,889.14
Contingency: (% +/-)	20%	\$ 2,518.86
Estimated Project Cost:	\$	17,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition	N/A	Good	N/A	Good	
Path of travel running slope is greater than 5%	N/A		N/A		
Path of travel cross slope is greater than 2% for stop control approaches	N/A		N/A	X	Repave roadway and install crosswalk pavement markings
Path of travel cross slope is greater than 5% for free-flow approaches	N/A	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)				Possible Solutions
	1A	2A	3A	4A	
Curb ramp does not exist and is needed					
Curb ramp does not land in crosswalk					
No 4' x 4' clear space at base of curb ramp					
Curbed side is not 90° or has traversable adjacent surface	X			X	
Flare cross slope is greater than 10%					
Curb ramp running slope is greater than 8.3%		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	X	Remove and replace curb ramp
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	X	X	For intersection, commercial driveway, and park ramps, install color truncated domes
No color contrast at base of curb ramp	X	X	X	X	
Landing area does not exist and is needed					
Landing area is less than 5' x 5' or slopes greater than 2%		X	X	X	Remove and replace landing area
Curb ramp transition onto roadway is greater than 0.25'		X	X		Fix curb ramp transition
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%					
Ponding occurs at base of curb ramp					



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc.

Priority: 2

Project Description for Unsignalized Intersection

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: 24th Ave SW
 Project Name: Intersection of 24th Ave SW and Bud Wilkinson Dr SW
 City: Norman

GPS ID: 1013

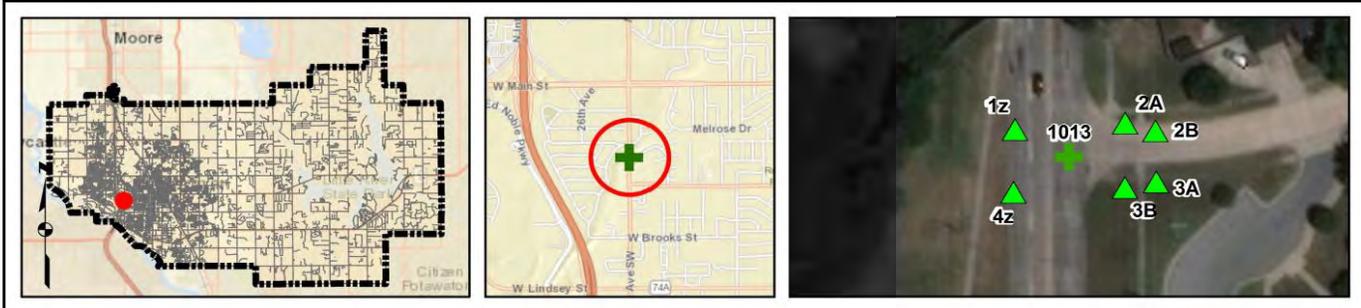
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	50	SY	\$ 50.00	\$ 2,500.00
ODOT 610(I)-4610	Tactile Warning Device - New	60	SF	\$ 25.00	\$ 1,500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	38	SY	\$ 12.00	\$ 456.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	314	LF	\$ 6.00	\$ 1,884.00
---	Repave Roadway	1	LS	\$ 5,000.00	\$ 5,000.00
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	4	LS	\$ 2,000.00	\$ 8,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	19,340.00
Engineering: (% +/-)	15%	\$ 3,282.86
Contingency: (% +/-)	20%	\$ 4,377.14
Estimated Project Cost:	\$	27,000.00

Project Location



Field Observations

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

Curb Ramp Issues	Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp)						Possible Solutions
	1z	2A	2B	3A	3B	4z	
Curb ramp does not exist and is needed	X					X	Install curb ramp; if median improvement, see shapette
Curb ramp does not land in crosswalk							
No 4' x 4' clear space at base of curb ramp							
Curbed side is not 90° or has traversable adjacent surface		X	X	X	X		
Flare cross slope is greater than 10%							
Curb ramp running slope is greater than 8.3%		X	X	X	X		
Blended transition running slope is greater than 5%							
Cut-thru ramp running slope is greater than 5%							
Curb ramp cross slope is greater than 2%		X	X		X		
Cut-thru ramp cross slope is greater than 2%							
Curb ramp width is less than 48"			X				Remove and replace curb ramp
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		
Curb ramp transition onto roadway is greater than 0.25'		X	X	X	X		
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%							
Ponding occurs at base of curb ramp							For intersection, commercial driveway, and park ramps, install color truncated domes
							Remove and replace landing area
							Fix curb ramp transition

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 2B



Ramp 3A



Ramp 3B



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 Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: 24th Ave SW
 Project Name: Intersection of 24th Ave SW and driveway (Lat.35.2126; Long.-97.4766)
 City: Norman

GPS ID: 1014

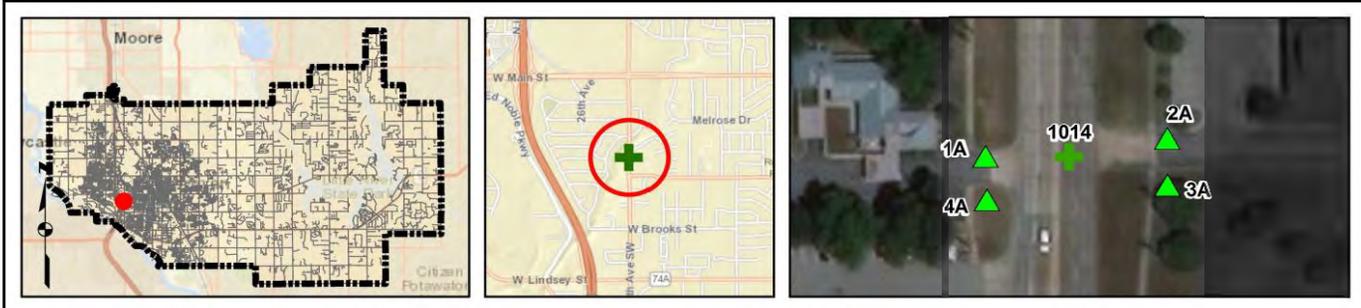
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	30	SY	\$ 50.00	\$ 1,500.00
ODOT 610(I)-4610	Tactile Warning Device - New	40	SF	\$ 25.00	\$ 1,000.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	39	SY	\$ 12.00	\$ 468.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	0	LF	\$ 6.00	\$ -
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	3	LS	\$ 2,000.00	\$ 6,000.00
---	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:	\$	8,968.00
Engineering: (% +/-)	15%	\$ 1,728.00
Contingency: (% +/-)	20%	\$ 2,304.00
Estimated Project Cost:	\$	13,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition					All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV)
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches					
Path of travel cross slope is greater than 5% for free-flow approaches					
Crosswalk width is less than 6'					
Crosswalk striping condition					

Curb Ramp Issues	Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp)				Possible Solutions
	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 8.3%	X	X	X		
Blended transition running slope is greater than 5%					
Cut-thru ramp running slope is greater than 5%					
Curb ramp cross slope is greater than 2%					
Cut-thru ramp cross slope is greater than 2%					
Curb ramp width is less than 48"		X	X	X	
Cut-thru ramp width is less than 60"					
Permanent obstruction (>0.25') in curb ramp/landing/flares					For intersection, commercial driveway, and park 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	
Landing area does not exist and is needed					
Landing area is less than 5' x 5' or slopes greater than 2%	X	X	X	X	Remove and replace landing area Fix curb ramp transition
Curb ramp transition onto roadway is greater than 0.25'	X	X		X	
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%					
Ponding occurs at base of curb ramp					



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 Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: 24th Ave SW
 Project Name: Intersection of 24th Ave SW and Westpark Dr
 City: Norman

GPS ID: 1015

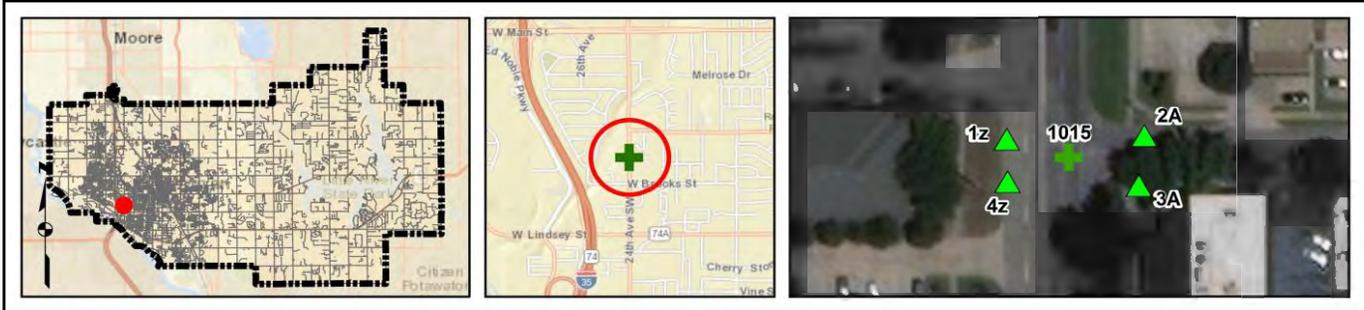
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00	\$ 500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	21	SY	\$ 12.00	\$ 252.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	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	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:	\$	8,826.00
Engineering: (% +/-)	15%	\$ 1,360.29
Contingency: (% +/-)	20%	\$ 1,813.71
Estimated Project Cost:	\$	12,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition	N/A	Good	N/A	N/A	
Path of travel running slope is greater than 5%	N/A		N/A	N/A	
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	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)				Possible Solutions
	1z	2A	3A	4z	
Curb ramp does not exist and is needed					
Curb ramp does not land in crosswalk					
No 4' x 4' clear space at base of curb ramp					
Curbed side is not 90° or has traversable adjacent surface		X	X		Remove and replace curb ramp
Flare cross slope is greater than 10%					
Curb ramp running slope is greater than 8.3%			X		
Blended transition running slope is greater than 5%					
Cut-thru ramp running slope is greater than 5%					
Curb ramp cross slope is greater than 2%		X			
Cut-thru ramp cross slope is greater than 2%					
Curb ramp width is less than 48"					
Cut-thru ramp width is less than 60"					
Permanent obstruction (>0.25') in curb ramp/landing/flares					
Temporary obstruction (>0.25') in curb ramp/landing/flares					For intersection, commercial driveway, and park ramps, install color truncated domes
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 Fix curb ramp transition
Landing area does not exist and is needed					
Landing area is less than 5' x 5' or slopes greater than 2%		X	X		
Curb ramp transition onto roadway is greater than 0.25'			X		
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%					
Ponding occurs at base of curb ramp					



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: 5

Project Description for Unsignalized Intersection

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: 24th Ave SW
 Project Name: Intersection of 24th Ave SW and Calvin Dr
 City: Norman

GPS ID: 1016

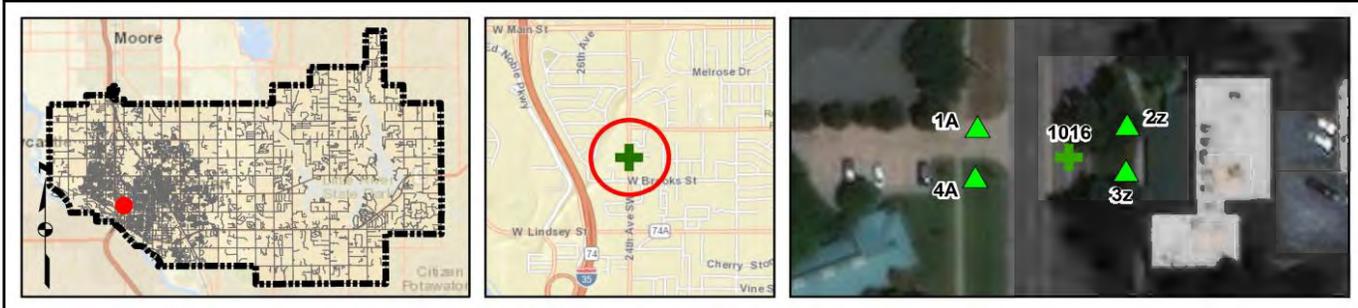
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00	\$ 500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	18	SY	\$ 12.00	\$ 216.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	62	LF	\$ 6.00	\$ 372.00
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	2	LS	\$ 2,000.00	\$ 4,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	5,838.00
Engineering: (% +/-)	15%	\$ 926.57
Contingency: (% +/-)	20%	\$ 1,235.43
Estimated Project Cost:	\$	8,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition	N/A	N/A	N/A	Good	
Path of travel running slope is greater than 5%	N/A	N/A	N/A		
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	N/A	None	

Curb Ramp Issues	Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp)				Possible Solutions
	1A	2z	3z	4A	
Curb ramp does not exist and is needed					
Curb ramp does not land in crosswalk					
No 4' x 4' clear space at base of curb ramp					
Curbed side is not 90° or has traversable adjacent surface	X			X	
Flare cross slope is greater than 10%					
Curb ramp running slope is greater than 8.3%	X				
Blended transition running slope is greater than 5%					
Cut-thru ramp running slope is greater than 5%					
Curb ramp cross slope is greater than 2%					Remove and replace curb ramp
Cut-thru ramp cross slope is greater than 2%					
Curb ramp width is less than 48"				X	
Cut-thru ramp width is less than 60"					
Permanent obstruction (>0.25') in curb ramp/landing/flares	X				
Temporary obstruction (>0.25') in curb ramp/landing/flares					
No textured surface at base of curb ramp	X			X	For intersection, commercial driveway, and park 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				Remove and replace landing area
Curb ramp transition onto roadway is greater than 0.25'	X			X	Fix curb ramp transition
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%					
Ponding occurs at base of curb ramp					



Ramp 1A



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Ramp 4A

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

Kimley-Horn and Associates, Inc.

Priority: 5

Project Description for Unsignalized Intersection

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: 24th Ave SW
 Project Name: Intersection of 24th Ave SW and Wilcox Dr
 City: Norman

GPS ID: 1017

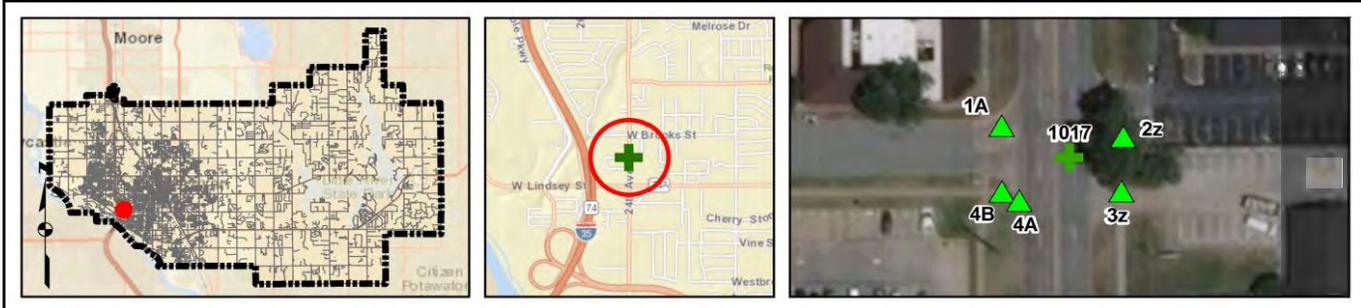
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	22	SY	\$ 50.00	\$ 1,100.00
ODOT 610(I)-4610	Tactile Warning Device - New	30	SF	\$ 25.00	\$ 750.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	10	SF	\$ 60.00	\$ 600.00
ODOT 619(B)-4792	Removal of Sidewalk	31	SY	\$ 12.00	\$ 372.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	180	LF	\$ 6.00	\$ 1,080.00
---	Repave Roadway	1	LS	\$ 5,000.00	\$ 5,000.00
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	3	LS	\$ 2,000.00	\$ 6,000.00
---	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:	\$	14,902.00
Engineering: (% +/-)	15%	\$ 2,613.43
Contingency: (% +/-)	20%	\$ 3,484.57
Estimated Project Cost:	\$	21,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition	N/A	N/A	Dangerous	Good	Repave roadway and install crosswalk pavement markings
Path of travel running slope is greater than 5%	N/A	N/A			
Path of travel cross slope is greater than 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	N/A	None	None	

Curb Ramp Issues	Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp)						Possible Solutions
	1A	2z	3z	4A	4B		
Curb ramp does not exist and is needed							
Curb ramp does not land in crosswalk							
No 4' x 4' clear space at base of curb ramp							
Curbed side is not 90° or has traversable adjacent surface	X				X		
Flare cross slope is greater than 10%							
Curb ramp running slope is greater than 8.3%	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	X	Remove and replace curb ramp	
Cut-thru ramp cross slope is greater than 2%							
Curb ramp width is less than 48"				X			
Cut-thru ramp width is less than 60"							
Permanent obstruction (>0.25') in curb ramp/landing/flares	X						
Temporary obstruction (>0.25') in curb ramp/landing/flares							
No textured surface at base of curb ramp	X	X		X	X	For intersection, commercial driveway, and park ramps, install color truncated domes	
No color contrast at base of curb ramp	X	X		X	X		
Landing area does not exist and is needed							
Landing area is less than 5' x 5' or slopes greater than 2%	X			X	X	Remove and replace landing area	
Curb ramp transition onto roadway is greater than 0.25'	X			X	X	Fix curb ramp transition	
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%							
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



Ramp 4B

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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

Project Description for Unsignalized Intersection

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: 24th Ave SW
 Project Name: Intersection of 24th Ave SW and Springer Dr
 City: Norman

GPS ID: 1018

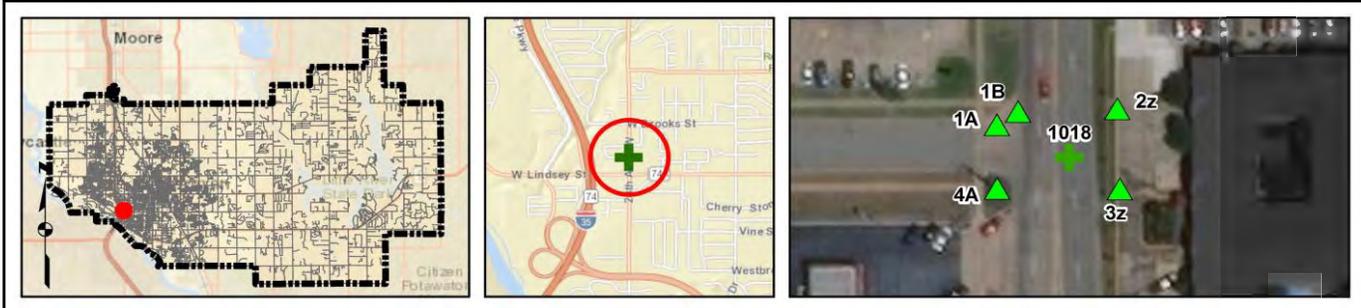
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	34	SY	\$ 50.00	\$ 1,700.00
ODOT 610(I)-4610	Tactile Warning Device - New	30	SF	\$ 25.00	\$ 750.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	10	SF	\$ 60.00	\$ 600.00
ODOT 619(B)-4792	Removal of Sidewalk	30	SY	\$ 12.00	\$ 360.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	184	LF	\$ 6.00	\$ 1,104.00
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	2	LS	\$ 2,000.00	\$ 4,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	8,514.00
Engineering: (% +/-)	15%	\$ 1,494.00
Contingency: (% +/-)	20%	\$ 1,992.00
Estimated Project Cost:	\$	12,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition	Good	N/A	N/A	Good	
Path of travel running slope is greater than 5%		N/A	N/A		
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	N/A	N/A	None	

Curb Ramp Issues	Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp)					Possible Solutions
	1A	1B	2z	3z	4A	
Curb ramp does not exist and is needed			X			Install curb ramp; if median improvement, see shapette
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 8.3%	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, commercial driveway, and park 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		Fix curb ramp transition
Curb ramp transition onto roadway is greater than 0.25'	X	X				
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%						
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 1B



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc.

Priority: 2

Project Description for Unsignalized Intersection

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: W Main St
 Project Name: Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.4745)
 City: Norman

GPS ID: 1019

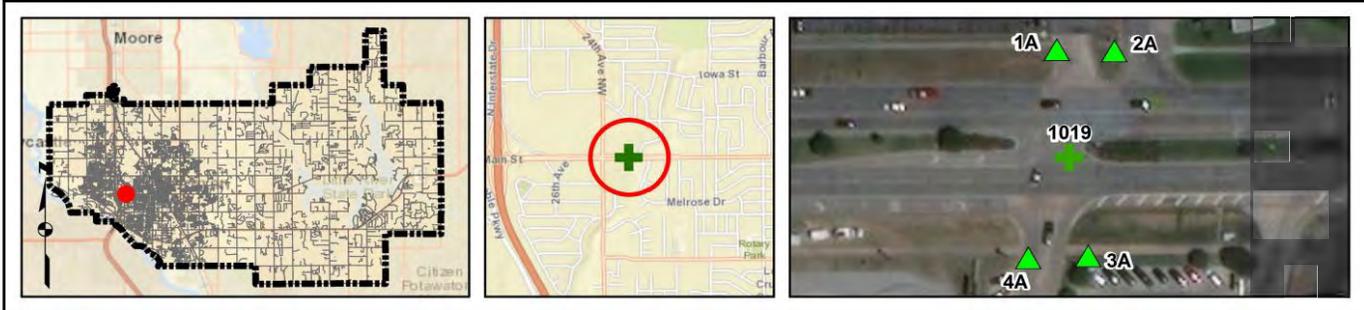
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	30	SY	\$ 50.00	\$ 1,500.00
ODOT 610(I)-4610	Tactile Warning Device - New	40	SF	\$ 25.00	\$ 1,000.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	30	SY	\$ 12.00	\$ 360.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	0	LF	\$ 6.00	\$ -
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	3	LS	\$ 2,000.00	\$ 6,000.00
---	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:	\$	8,860.00
Engineering: (% +/-)	15%	\$ 1,345.71
Contingency: (% +/-)	20%	\$ 1,794.29
Estimated Project Cost:	\$	12,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition					All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV)
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches					
Path of travel cross slope is greater than 5% for free-flow approaches					
Crosswalk width is less than 6'					
Crosswalk striping condition					

Curb Ramp Issues	Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp)				Possible Solutions
	1A	2A	3A	4A	
Curb ramp does not exist and is needed					Remove and replace curb ramp
Curb ramp does not land in crosswalk					
No 4' x 4' clear space at base of curb ramp					
Curbed side is not 90° or has traversable adjacent surface					
Flare cross slope is greater than 10%			X	X	
Curb ramp running slope is greater than 8.3%	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, commercial driveway, and park 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%					
Curb ramp transition onto roadway is greater than 0.25'	X		X	X	
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%					
Ponding occurs at base of curb ramp					Fix curb ramp transition



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 Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: W Main St

GPS ID: 1020

Project Name: Intersection of W Main St and Merkle Dr
 City: Norman

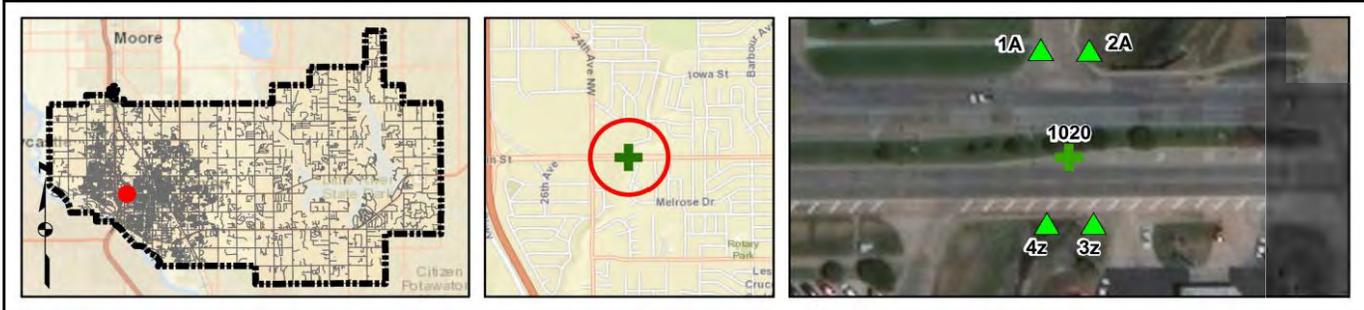
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	21	SY	\$ 50.00	\$ 1,050.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00	\$ 500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	10	SF	\$ 60.00	\$ 600.00
ODOT 619(B)-4792	Removal of Sidewalk	23	SY	\$ 12.00	\$ 276.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	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	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:	\$	9,750.00
Engineering: (% +/-)	15%	\$ 1,821.43
Contingency: (% +/-)	20%	\$ 2,428.57
Estimated Project Cost:	\$	14,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	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%		N/A	N/A	N/A	
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)				Possible Solutions
	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 8.3%	X	X			
Blended transition running slope is greater than 5%					
Cut-thru ramp running slope is greater than 5%					
Curb ramp cross slope is greater than 2%					
Cut-thru ramp cross slope is greater than 2%					
Curb ramp width is less than 48"	X				For intersection, commercial driveway, and park 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		X	
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			
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					Remove and replace landing area Fix curb ramp transition

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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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 Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: W Main St

GPS ID: 1021

Project Name: Intersection of W Main St and Collier Dr
 City: Norman

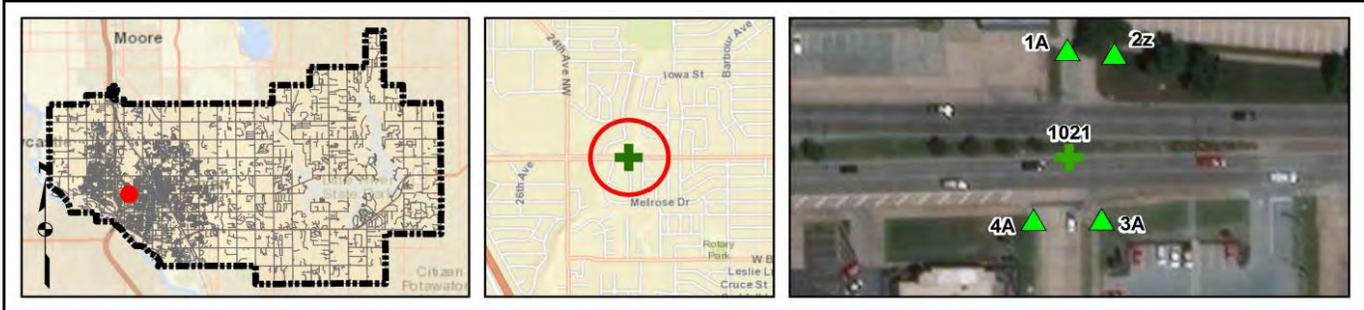
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	22	SY	\$ 50.00	\$ 1,100.00
ODOT 610(I)-4610	Tactile Warning Device - New	30	SF	\$ 25.00	\$ 750.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	10	SF	\$ 60.00	\$ 600.00
ODOT 619(B)-4792	Removal of Sidewalk	34	SY	\$ 12.00	\$ 408.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	90	LF	\$ 6.00	\$ 540.00
---	Repave Roadway	1	LS	\$ 5,000.00	\$ 5,000.00
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	2	LS	\$ 2,000.00	\$ 4,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	12,398.00
Engineering: (% +/-)	15%	\$ 1,972.29
Contingency: (% +/-)	20%	\$ 2,629.71
Estimated Project Cost:	\$	17,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	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%	N/A	N/A		N/A	
Path of travel cross slope is greater than 2% for stop control approaches	N/A	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	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)				Possible Solutions
	1A	2z	3A	4A	
Curb ramp does not exist and is needed					
Curb ramp does not land in crosswalk					
No 4' x 4' clear space at base of curb ramp					
Curbed side is not 90° or has traversable adjacent surface	X		X	X	
Flare cross slope is greater than 10%					
Curb ramp running slope is greater than 8.3%	X		X		
Blended transition running slope is greater than 5%					
Cut-thru ramp running slope is greater than 5%					
Curb ramp cross slope is greater than 2%	X			X	Remove and replace curb ramp
Cut-thru ramp cross slope is greater than 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	X	X	For intersection, commercial driveway, and park ramps, install color truncated domes
No color contrast at base of curb ramp	X	X	X	X	
Landing area does not exist and is needed					
Landing area is less than 5' x 5' or slopes greater than 2%	X		X	X	Remove and replace landing area
Curb ramp transition onto roadway is greater than 0.25'	X		X		Fix curb ramp transition
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%					
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)



Ramp 3A



Ramp 4A

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Project Location Map Sources:

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

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: W Main St
 Project Name: Intersection of W Main St and Thompson Dr
 City: Norman

GPS ID: 1022

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	42	SY	\$ 50.00	\$ 2,100.00
ODOT 610(I)-4610	Tactile Warning Device - New	40	SF	\$ 25.00	\$ 1,000.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	10	SF	\$ 60.00	\$ 600.00
ODOT 619(B)-4792	Removal of Sidewalk	15	SY	\$ 12.00	\$ 180.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	464	LF	\$ 6.00	\$ 2,784.00
---	Repave Roadway	2	LS	\$ 5,000.00	\$ 10,000.00
---	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:	\$	18,664.00
Engineering: (% +/-)	15%	\$ 3,144.00
Contingency: (% +/-)	20%	\$ 4,192.00
Estimated Project Cost:	\$	26,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition	Good	Good	Dangerous	Dangerous	Repave roadway and install crosswalk pavement markings
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches		N/A		N/A	
Path of travel cross slope is greater than 5% for free-flow approaches	N/A		N/A		
Crosswalk width is less than 6'	N/A	N/A	N/A	N/A	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)				Possible Solutions
	1z	2z	3A	4A	
Curb ramp does not exist and is needed	X	X			Install curb ramp; if median improvement, see shapette
Curb ramp does not land in crosswalk					
No 4' x 4' clear space at base of curb ramp			X		Remove and replace crosswalk pavement markings
Curbed side is not 90° or has traversable adjacent surface					
Flare cross slope is greater than 10%					Remove and replace curb ramp
Curb ramp running slope is greater than 8.3%			X		
Blended transition running slope is greater than 5%					
Cut-thru ramp running slope is greater than 5%					
Curb ramp cross slope is greater than 2%			X		
Cut-thru ramp cross slope is greater than 2%					
Curb ramp width is less than 48"					
Cut-thru ramp width is less than 60"					
Permanent obstruction (>0.25') in curb ramp/landing/flares					
Temporary obstruction (>0.25') in curb ramp/landing/flares					
No textured surface at base of curb ramp			X	X	For intersection, commercial driveway, and park ramps, install color truncated domes
No color contrast at base of curb ramp			X	X	
Landing area does not exist and is needed					Fix curb ramp transition
Landing area is less than 5' x 5' or slopes greater than 2%					
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)



Ramp 3A



Ramp 4A

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

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: W Main St
 Project Name: Intersection of W Main St and N Sherry Ave
 City: Norman

GPS ID: 1023

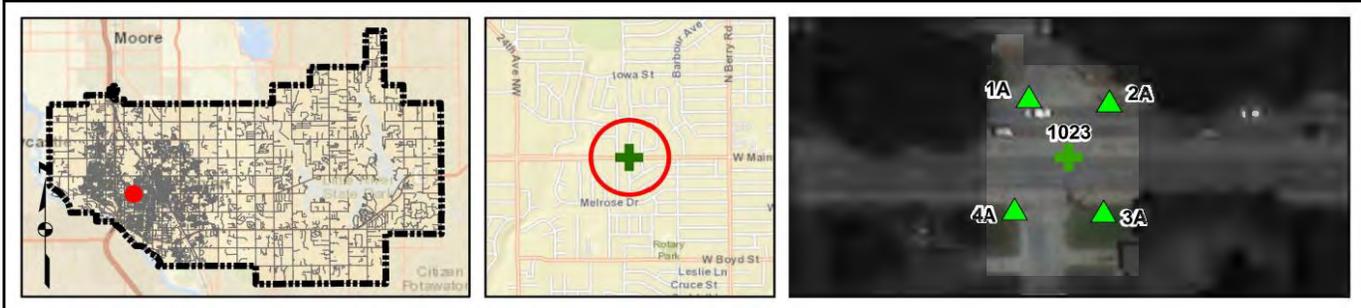
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	30	SY	\$ 50.00	\$ 1,500.00
ODOT 610(I)-4610	Tactile Warning Device - New	40	SF	\$ 25.00	\$ 1,000.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	39	SY	\$ 12.00	\$ 468.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	198	LF	\$ 6.00	\$ 1,188.00
---	Repare Roadway	1	LS	\$ 5,000.00	\$ 5,000.00
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	4	LS	\$ 2,000.00	\$ 8,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	19,156.00
Engineering: (% +/-)	15%	\$ 2,933.14
Contingency: (% +/-)	20%	\$ 3,910.86
Estimated Project Cost:	\$	26,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition	Good	N/A	Dangerous	N/A	Repare roadway and install crosswalk pavement markings
Path of travel running slope is greater than 5%		N/A		N/A	
Path of travel cross slope is greater than 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	N/A	N/A	Install crosswalk pavement markings
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)				Possible Solutions
	1A	2A	3A	4A	
Curb ramp does not exist and is needed					Remove and replace curb ramp
Curb ramp does not land in crosswalk					
No 4' x 4' clear space at base of curb ramp					
Curbed side is not 90° or has traversable adjacent surface			X	X	
Flare cross slope is greater than 10%					
Curb ramp running slope is greater than 8.3%	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		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		For intersection, commercial driveway, and park 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	
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'	X	X	X	X	
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%			X		
Ponding occurs at base of curb ramp					



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

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Project Location Map Sources:

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

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: W Main St
 Project Name: Intersection of W Main St and S Westchester
 City: Norman

GPS ID: 1024

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	30	SY	\$ 50.00	\$ 1,500.00
ODOT 610(I)-4610	Tactile Warning Device - New	40	SF	\$ 25.00	\$ 1,000.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	35	SY	\$ 12.00	\$ 420.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	176	LF	\$ 6.00	\$ 1,056.00
---	Repave Roadway	1	LS	\$ 5,000.00	\$ 5,000.00
---	Fix Ponding	2	LS	\$ 2,000.00	\$ 4,000.00
---	Fix Curb Ramp Transition	2	LS	\$ 2,000.00	\$ 4,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	2	LS	\$ 500.00	\$ 1,000.00
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	17,976.00
Engineering: (% +/-)	15%	\$ 3,010.29
Contingency: (% +/-)	20%	\$ 4,013.71
Estimated Project Cost:	\$	25,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition	Good	N/A	Good	N/A	
Path of travel running slope is greater than 5%		N/A		N/A	
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	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)				Possible Solutions
	1A	2A	3A	4A	
Curb ramp does not exist and is needed					
Curb ramp does not land in crosswalk					
No 4' x 4' clear space at base of curb ramp					
Curbed side is not 90° or has traversable adjacent surface			X	X	
Flare cross slope is greater than 10%					
Curb ramp running slope is greater than 8.3%	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	X		Remove and replace curb ramp
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/flare					
Temporary obstruction (>0.25') in curb ramp/landing/flare		X	X		Remove temporary obstruction
No textured surface at base of curb ramp	X	X			For intersection, commercial driveway, and park 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'	X	X			Fix curb ramp transition
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%					
Ponding occurs at base of curb ramp		X	X		Fix ponding



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: W Main St
 Project Name: Intersection of W Main St and Wylie Rd
 City: Norman

GPS ID: 1025

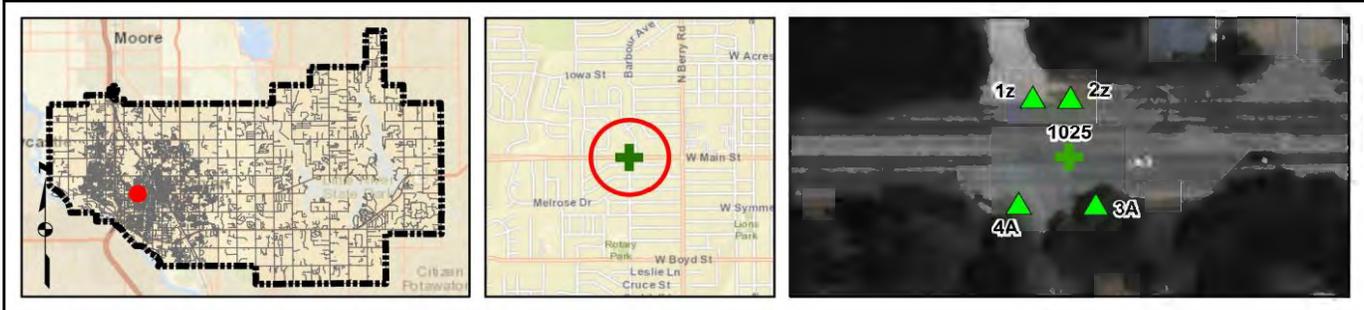
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00	\$ 500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	15	SY	\$ 12.00	\$ 180.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	170	LF	\$ 6.00	\$ 1,020.00
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	2	LS	\$ 2,000.00	\$ 4,000.00
---	Fix Curb Ramp Transition	0	LS	\$ 2,000.00	\$ -
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	6,450.00
Engineering: (% +/-)	15%	\$ 1,092.86
Contingency: (% +/-)	20%	\$ 1,457.14
Estimated Project Cost:	\$	9,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition	Good	N/A	Good	N/A	
Path of travel running slope is greater than 5%		N/A		N/A	
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)				Possible Solutions
	1z	2z	3A	4A	
Curb ramp does not exist and is needed					
Curb ramp does not land in crosswalk					
No 4' x 4' clear space at base of curb ramp					
Curbed side is not 90° or has traversable adjacent surface			X	X	
Flare cross slope is greater than 10%					
Curb ramp running slope is greater than 8.3%					
Blended transition running slope is greater than 5%					
Cut-thru ramp running slope is greater than 5%					
Curb ramp cross slope is greater than 2%			X		Remove and replace curb ramp
Cut-thru ramp cross slope is greater than 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			X	X	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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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 Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: W Main St
 Project Name: Intersection of W Main St and Foreman Ave
 City: Norman

GPS ID: 1026

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00	\$ 500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	20	SY	\$ 12.00	\$ 240.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	84	LF	\$ 6.00	\$ 504.00
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	1	LS	\$ 2,000.00	\$ 2,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	1	LS	\$ 500.00	\$ 500.00
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	4,494.00
Engineering: (% +/-)	15%	\$ 1,074.00
Contingency: (% +/-)	20%	\$ 1,432.00
Estimated Project Cost:	\$	7,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition	Good	N/A	N/A	N/A	
Path of travel running slope is greater than 5%		N/A	N/A	N/A	
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)				Possible Solutions
	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 8.3%	X	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"	X	X			
Cut-thru ramp width is less than 60"					
Permanent obstruction (>0.25') in curb ramp/landing/flares	X				Remove temporary obstruction
Temporary obstruction (>0.25') in curb ramp/landing/flares	X	X			For intersection, commercial driveway, and park 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'			X		Fix curb ramp transition
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%					
Ponding occurs at base of curb ramp					



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 Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: W Main St
 Project Name: Intersection of W Main St and Gatewood Dr
 City: Norman

GPS ID: 1027

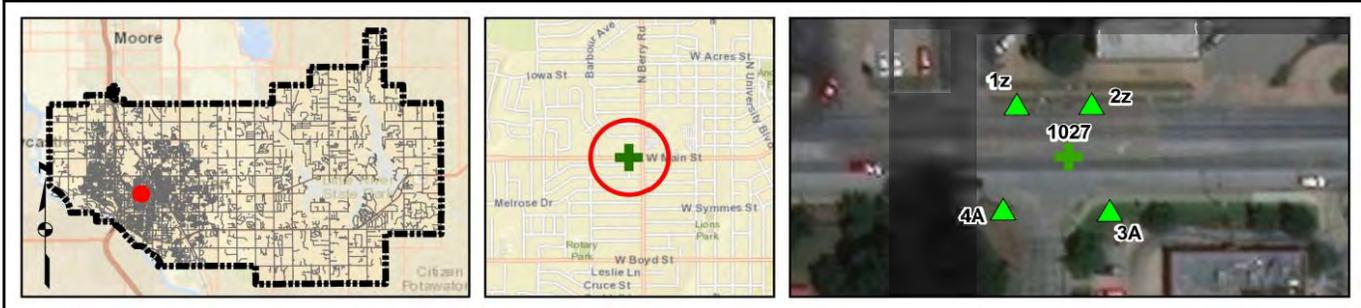
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	18	SY	\$ 50.00	\$ 900.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00	\$ 500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	18	SY	\$ 12.00	\$ 216.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	112	LF	\$ 6.00	\$ 672.00
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	2	LS	\$ 2,000.00	\$ 4,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	6,288.00
Engineering: (% +/-)	15%	\$ 1,162.29
Contingency: (% +/-)	20%	\$ 1,549.71
Estimated Project Cost:	\$	9,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	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%	N/A	N/A		N/A	
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)				Possible Solutions
	1z	2z	3A	4A	
Curb ramp does not exist and is needed					
Curb ramp does not land in crosswalk					
No 4' x 4' clear space at base of curb ramp					
Curbed side is not 90° or has traversable adjacent surface					
Flare cross slope is greater than 10%				X	Remove and replace curb ramp
Curb ramp running slope is greater than 8.3%		X	X		
Blended transition running slope is greater than 5%					
Cut-thru ramp running slope is greater than 5%					
Curb ramp cross slope is greater than 2%			X		
Cut-thru ramp cross slope is greater than 2%					
Curb ramp width is less than 48"		X	X		
Cut-thru ramp width is less than 60"					
Permanent obstruction (>0.25') in curb ramp/landing/flares					
Temporary obstruction (>0.25') in curb ramp/landing/flares					
No textured surface at base of curb ramp			X	X	For intersection, commercial driveway, and park 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			
Landing area is less than 5' x 5' or slopes greater than 2%				X	
Curb ramp transition onto roadway is greater than 0.25'		X	X		Remove and replace landing area Fix curb ramp transition
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%					
Ponding occurs at base of curb ramp					



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A

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Project Location Map Sources:

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

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: E Lindsey St
 Project Name: Intersection of E Lindsey St and Lindsey Plaza Dr
 City: Norman

GPS ID: 1028

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	33	SY	\$ 50.00	\$ 1,650.00
ODOT 610(I)-4610	Tactile Warning Device - New	40	SF	\$ 25.00	\$ 1,000.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	21	SY	\$ 12.00	\$ 252.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	170	LF	\$ 6.00	\$ 1,020.00
---	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:	\$	8,922.00
Engineering: (% +/-)	15%	\$ 1,747.71
Contingency: (% +/-)	20%	\$ 2,330.29
Estimated Project Cost:	\$	13,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition	N/A	N/A	Good	Good	
Path of travel running slope is greater than 5%	N/A	N/A			
Path of travel cross slope is greater than 2% for stop control approaches	N/A	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	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)				Possible Solutions	
	1z	2z	3A	4A		
Curb ramp does not exist and is needed	X				Install curb ramp; if median improvement, see shapette	
Curb ramp does not land in crosswalk						
No 4' x 4' clear space at base of curb ramp						
Curbed side is not 90° or has traversable adjacent surface			X	X		
Flare cross slope is greater than 10%						
Curb ramp running slope is greater than 8.3%			X			
Blended transition running slope is greater than 5%						
Cut-thru ramp running slope is greater than 5%						
Curb ramp cross slope is greater than 2%						Remove and replace curb ramp
Cut-thru ramp cross slope is greater than 2%						
Curb ramp width is less than 48"						
Cut-thru ramp width is less than 60"						
Permanent obstruction (>0.25') in curb ramp/landing/flares						
Temporary obstruction (>0.25') in curb ramp/landing/flares						
No textured surface at base of curb ramp						
No color contrast at base of curb ramp						
Landing area does not exist and is needed						
Landing area is less than 5' x 5' or slopes greater than 2%			X	X	Remove and replace landing area	
Curb ramp transition onto roadway is greater than 0.25'						
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%						
Ponding occurs at base of curb ramp						

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



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Ramp 3A



Ramp 4A

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

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: E Lindsey St
 Project Name: Intersection of E Lindsey St and Creekside Dr
 City: Norman

GPS ID: 1029

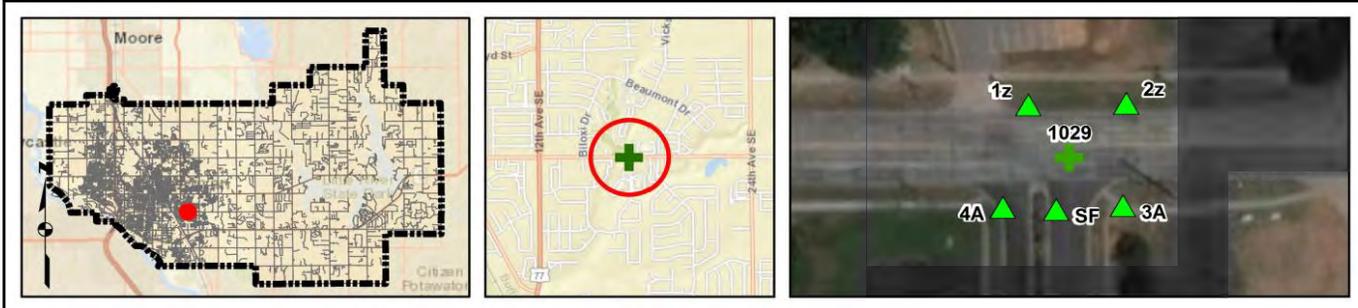
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	18	LF	\$ 7.00	\$ 126.00
ODOT 610(A)-0602	4" Concrete Sidewalk	20	SY	\$ 50.00	\$ 1,000.00
ODOT 610(I)-4610	Tactile Warning Device - New	40	SF	\$ 25.00	\$ 1,000.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	26	SY	\$ 12.00	\$ 312.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	86	LF	\$ 6.00	\$ 516.00
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	0	LS	\$ 2,000.00	\$ -
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	4,954.00
Engineering: (% +/-)	15%	\$ 876.86
Contingency: (% +/-)	20%	\$ 1,169.14
Estimated Project Cost:	\$	7,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	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%	N/A	N/A		N/A	
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)					Possible Solutions
	SF	1z	2z	3A	4A	
Curb ramp does not exist and is needed	X					Remove and replace cut-thru 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 8.3%			X			
Blended transition running slope is greater than 5%						
Cut-thru ramp running slope is greater than 5%						
Curb ramp cross slope is greater than 2%				X		Remove and replace curb ramp
Cut-thru ramp cross slope is greater than 2%						
Curb ramp width is less than 48"						
Cut-thru ramp width is less than 60"	X					
Permanent obstruction (>0.25') in curb ramp/landing/flares						
Temporary obstruction (>0.25') in curb ramp/landing/flares						
No textured surface at base of curb ramp						
No color contrast at base of curb ramp						
Landing area does not exist and is needed						
Landing area is less than 5' x 5' or slopes greater than 2%			X	X		Remove and replace landing area
Curb ramp transition onto roadway is greater than 0.25'						
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%			X			Fix curb ramp counter slope
Ponding occurs at base of curb ramp						



Ramp South F



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

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: E Lindsey St
 Project Name: Intersection of E Lindsey St and Brandywine Ln
 City: Norman

GPS ID: 1030

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	11	SY	\$ 50.00	\$ 550.00
ODOT 610(I)-4610	Tactile Warning Device - New	10	SF	\$ 25.00	\$ 250.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	10	SY	\$ 12.00	\$ 120.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	150	LF	\$ 6.00	\$ 900.00
---	Repave Roadway	1	LS	\$ 5,000.00	\$ 5,000.00
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	2	LS	\$ 2,000.00	\$ 4,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	10,820.00
Engineering: (% +/-)	15%	\$ 1,791.43
Contingency: (% +/-)	20%	\$ 2,388.57
Estimated Project Cost:	\$	15,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition	Good	N/A	Good	N/A	
Path of travel running slope is greater than 5%		N/A		N/A	
Path of travel cross slope is greater than 2% for stop control approaches	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	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)				Possible Solutions
	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%		X			Remove and replace curb ramp
Curb ramp running slope is greater than 8.3%					
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 Fix curb ramp transition
Landing area is less than 5' x 5' or slopes greater than 2%	X				
Curb ramp transition onto roadway is greater than 0.25'	X	X			
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%					
Ponding occurs at base of curb ramp					



Ramp 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

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: E Lindsey St
 Project Name: Intersection of E Lindsey St and driveway (Lat. 35.2038; Long. -97.4231)
 City: Norman

GPS ID: 90021

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	18	SY	\$ 50.00	\$ 900.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00	\$ 500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	10	SF	\$ 60.00	\$ 600.00
ODOT 619(B)-4792	Removal of Sidewalk	23	SY	\$ 12.00	\$ 276.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	0	LF	\$ 6.00	\$ -
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	2	LS	\$ 2,000.00	\$ 4,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	8,276.00
Engineering: (% +/-)	15%	\$ 1,596.00
Contingency: (% +/-)	20%	\$ 2,128.00
Estimated Project Cost:	\$	12,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition					All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV)
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches					
Path of travel cross slope is greater than 5% for free-flow approaches					
Crosswalk width is less than 6'					
Crosswalk striping condition					

Curb Ramp Issues	Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp)					Possible Solutions
	NF	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 8.3%						
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	X		
Curb ramp width is less than 48"			X	X		
Cut-thru ramp width is less than 60"						
Permanent obstruction (>0.25') in curb ramp/landing/flares						For intersection, commercial driveway, and park 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	
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'				X	X	
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%				X		
Ponding occurs at base of curb ramp						



Ramp North 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: 5

Project Description for Unsignalized Intersection

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: E Lindsey St
 Project Name: Intersection of E Lindsey St and driveway (Lat. 35.2038; Long. -97.4229)
 City: Norman

GPS ID: 90022

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00	\$ 500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	18	SY	\$ 12.00	\$ 216.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	0	LF	\$ 6.00	\$ -
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	1	LS	\$ 2,000.00	\$ 2,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	5,466.00
Engineering: (% +/-)	15%	\$ 1,086.00
Contingency: (% +/-)	20%	\$ 1,448.00
Estimated Project Cost:	\$	8,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition					All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV)
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches					
Path of travel cross slope is greater than 5% for free-flow approaches					
Crosswalk width is less than 6'					
Crosswalk striping condition					

Curb Ramp Issues	Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp)		Possible Solutions
	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 8.3%			
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, commercial driveway, and park 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	
Curb ramp transition onto roadway is greater than 0.25'	X		
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%	X		
Ponding occurs at base of curb ramp			Remove and replace landing area Fix curb ramp transition Fix curb ramp counter slope



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc.

Priority: 5

Project Description for Unsignalized Intersection

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: E Lindsey St
 Project Name: Intersection of E Lindsey St and driveway (Lat. 35.2038; Long. -97.4224)
 City: Norman

GPS ID: 90023

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	30	SY	\$ 50.00	\$ 1,500.00
ODOT 610(I)-4610	Tactile Warning Device - New	40	SF	\$ 25.00	\$ 1,000.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	34	SY	\$ 12.00	\$ 408.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	0	LF	\$ 6.00	\$ -
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	3	LS	\$ 2,000.00	\$ 6,000.00
---	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:	\$	8,908.00
Engineering: (% +/-)	15%	\$ 1,753.71
Contingency: (% +/-)	20%	\$ 2,338.29
Estimated Project Cost:	\$	13,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition					All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV)
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches					
Path of travel cross slope is greater than 5% for free-flow approaches					
Crosswalk width is less than 6'					
Crosswalk striping condition					

Curb Ramp Issues	Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp)				Possible Solutions
	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 8.3%		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	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		
Temporary obstruction (>0.25') in curb ramp/landing/flares					
No textured surface at base of curb ramp	X	X	X	X	For intersection, commercial driveway, and park 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					Remove and replace landing area Fix curb ramp transition
Landing area is less than 5' x 5' or slopes greater than 2%	X	X			
Curb ramp transition onto roadway is greater than 0.25	X	X	X		
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%					
Ponding occurs at base of curb ramp					



Ramp 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 Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: E Lindsey St
 Project Name: Intersection of E Lindsey St and driveway (Lat. 35.2038; Long. -97.4186)
 City: Norman

GPS ID: 90024

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00	\$ 500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	22	SY	\$ 12.00	\$ 264.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	0	LF	\$ 6.00	\$ -
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	1	LS	\$ 2,000.00	\$ 2,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	2	LS	\$ 2,000.00	\$ 4,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	7,514.00
Engineering: (% +/-)	15%	\$ 1,494.00
Contingency: (% +/-)	20%	\$ 1,992.00
Estimated Project Cost:	\$	11,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition					All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV)
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches					
Path of travel cross slope is greater than 5% for free-flow approaches					
Crosswalk width is less than 6'					
Crosswalk striping condition					

Curb Ramp Issues	Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp)		Possible Solutions
	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 8.3%	X	X	
Blended transition running slope is greater than 5%			
Cut-thru ramp running slope is greater than 5%			
Curb ramp cross slope is greater than 2%	X	X	
Cut-thru ramp cross slope is greater than 2%			
Curb ramp width is less than 48"			
Cut-thru ramp width is less than 60"			
Permanent obstruction (>0.25') in curb ramp/landing/flares			
Temporary obstruction (>0.25') in curb ramp/landing/flares			
No textured surface at base of curb ramp			
No color contrast at base of curb ramp			Remove and replace landing area
Landing area does not exist and is needed			
Landing area is less than 5' x 5' or slopes greater than 2%	X	X	
Curb ramp transition onto roadway is greater than 0.25'		X	Fix curb ramp transition
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%	X	X	Fix curb ramp counter slope
Ponding occurs at base of curb ramp			



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: E Lindsey St
 Project Name: Intersection of E Lindsey St and driveway (Lat. 35.2038; Long. -97.4176)
 City: Norman

GPS ID: 90025

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00	\$ 500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	21	SY	\$ 12.00	\$ 252.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	0	LF	\$ 6.00	\$ -
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	1	LS	\$ 2,000.00	\$ 2,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	3,502.00
Engineering: (% +/-)	15%	\$ 642.00
Contingency: (% +/-)	20%	\$ 856.00
Estimated Project Cost:	\$	5,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition					All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV)
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches					
Path of travel cross slope is greater than 5% for free-flow approaches					
Crosswalk width is less than 6'					
Crosswalk striping condition					

Curb Ramp Issues	Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp)		Possible Solutions
	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 8.3%		X	
Blended transition running slope is greater than 5%			
Cut-thru ramp running slope is greater than 5%			
Curb ramp cross slope is greater than 2%	X	X	
Cut-thru ramp cross slope is greater than 2%			
Curb ramp width is less than 48"	X	X	For intersection, commercial driveway, and park 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%			
Ponding occurs at base of curb ramp			



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: E Lindsey St
 Project Name: Intersection of E Lindsey St and driveway (Lat. 35.2039; Long. -97.4147)
 City: Norman

GPS ID: 90026

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	0	SY	\$ 50.00	\$ -
ODOT 610(I)-4610	Tactile Warning Device - New	0	SF	\$ 25.00	\$ -
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	40	SF	\$ 60.00	\$ 2,400.00
ODOT 619(B)-4792	Removal of Sidewalk	0	SY	\$ 12.00	\$ -
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	0	LF	\$ 6.00	\$ -
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	0	LS	\$ 2,000.00	\$ -
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	2,400.00
Engineering: (% +/-)	15%	\$ 685.71
Contingency: (% +/-)	20%	\$ 914.29
Estimated Project Cost:	\$	4,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition					All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV)
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches					
Path of travel cross slope is greater than 5% for free-flow approaches					
Crosswalk width is less than 6'					
Crosswalk striping condition					

Curb Ramp Issues	Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp)				Possible Solutions
	1A	2A	3z	4z	
Curb ramp does not exist and is needed					For intersection, commercial driveway, and park ramps, install color truncated domes
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 8.3%					
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	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%					
Curb ramp transition onto roadway is greater than 0.25					
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%					
Ponding occurs at base of curb ramp					



Ramp 1A



Ramp 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

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: E Lindsey St
 Project Name: Intersection of E Lindsey St and driveway (Lat. 35.2038; Long. -97.418)
 City: Norman

GPS ID: 90027

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00	\$ 500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	19	SY	\$ 12.00	\$ 228.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	0	LF	\$ 6.00	\$ -
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	1	LS	\$ 2,000.00	\$ 2,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	3,478.00
Engineering: (% +/-)	15%	\$ 652.29
Contingency: (% +/-)	20%	\$ 869.71
Estimated Project Cost:	\$	5,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition					All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV)
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches					
Path of travel cross slope is greater than 5% for free-flow approaches					
Crosswalk width is less than 6'					
Crosswalk striping condition					

Curb Ramp Issues	Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp)		Possible Solutions
	1A	2A	
Curb ramp does not exist and is needed			Remove and replace curb ramp
Curb ramp does not land in crosswalk			
No 4' x 4' clear space at base of curb ramp			
Curbed side is not 90° or has traversable adjacent surface			
Flare cross slope is greater than 10%			
Curb ramp running slope is greater than 8.3%	X		
Blended transition running slope is greater than 5%			
Cut-thru ramp running slope is greater than 5%			
Curb ramp cross slope is greater than 2%	X		
Cut-thru ramp cross slope is greater than 2%			
Curb ramp width is less than 48"	X	X	
Cut-thru ramp width is less than 60"			
Permanent obstruction (>0.25') in curb ramp/landing/flares			
Temporary obstruction (>0.25') in curb ramp/landing/flares			
No textured surface at base of curb ramp			Remove and replace landing area Fix curb ramp transition
No color contrast at base of curb ramp			
Landing area does not exist and is needed			
Landing area is less than 5' x 5' or slopes greater than 2%	X	X	
Curb ramp transition onto roadway is greater than 0.25'	X		
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%			
Ponding occurs at base of curb ramp			



Ramp 1A



Ramp 2A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: E Lindsey St
 Project Name: Intersection of E Lindsey St and driveway (Lat. 35.2039; Long. -97.421)
 City: Norman

GPS ID: 90028

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00	\$ 500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	20	SF	\$ 60.00	\$ 1,200.00
ODOT 619(B)-4792	Removal of Sidewalk	20	SY	\$ 12.00	\$ 240.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	0	LF	\$ 6.00	\$ -
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	1	LS	\$ 2,000.00	\$ 2,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	4,690.00
Engineering: (% +/-)	15%	\$ 990.00
Contingency: (% +/-)	20%	\$ 1,320.00
Estimated Project Cost:	\$	7,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition					All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV)
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches					
Path of travel cross slope is greater than 5% for free-flow approaches					
Crosswalk width is less than 6'					
Crosswalk striping condition					

Curb Ramp Issues	Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp)				Possible Solutions	
	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	X	X				
Flare cross slope is greater than 10%						
Curb ramp running slope is greater than 8.3%	X	X				
Blended transition running slope is greater than 5%						
Cut-thru ramp running slope is greater than 5%						
Curb ramp cross slope is greater than 2%	X					
Cut-thru ramp cross slope is greater than 2%						
Curb ramp width is less than 48"					For intersection, commercial driveway, and park 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'	X					
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%						Fix curb ramp transition
Ponding occurs at base of curb ramp						



Ramp 1A



Ramp 2A



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

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Project Location Map Sources:

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

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: E Lindsey St
 Project Name: Intersection of E Lindsey St and driveway (Lat. 35.2039; Long. -97.4065)
 City: Norman

GPS ID: 90029

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00	\$ 500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	18	SY	\$ 12.00	\$ 216.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	0	LF	\$ 6.00	\$ -
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	1	LS	\$ 2,000.00	\$ 2,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	3,466.00
Engineering: (% +/-)	15%	\$ 657.43
Contingency: (% +/-)	20%	\$ 876.57
Estimated Project Cost:	\$	5,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition					All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV)
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches					
Path of travel cross slope is greater than 5% for free-flow approaches					
Crosswalk width is less than 6'					
Crosswalk striping condition					

Curb Ramp Issues	Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp)		Possible Solutions
	1A	2A	
Curb ramp does not exist and is needed			Remove and replace curb ramp
Curb ramp does not land in crosswalk			
No 4' x 4' clear space at base of curb ramp			
Curbed side is not 90° or has traversable adjacent surface	X	X	
Flare cross slope is greater than 10%			
Curb ramp running slope is greater than 8.3%			
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, commercial driveway, and park 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	
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		
Curb ramp transition onto roadway is greater than 0.25		X	
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%			
Ponding occurs at base of curb ramp			



Ramp 1A



Ramp 2A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: E Lindsey St
 Project Name: Intersection of E Lindsey St and driveway (Lat. 35.2039; Long. -97.4072)
 City: Norman

GPS ID: 90030

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	3	SY	\$ 50.00	\$ 150.00
ODOT 610(I)-4610	Tactile Warning Device - New	0	SF	\$ 25.00	\$ -
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	20	SF	\$ 60.00	\$ 1,200.00
ODOT 619(B)-4792	Removal of Sidewalk	3	SY	\$ 12.00	\$ 36.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	0	LF	\$ 6.00	\$ -
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	0	LS	\$ 2,000.00	\$ -
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	1,386.00
Engineering: (% +/-)	15%	\$ 263.14
Contingency: (% +/-)	20%	\$ 350.86
Estimated Project Cost:	\$	2,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition					All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV)
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches					
Path of travel cross slope is greater than 5% for free-flow approaches					
Crosswalk width is less than 6'					
Crosswalk striping condition					

Curb Ramp Issues	Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp)		Possible Solutions
	1z	2A	
Curb ramp does not exist and is needed			For intersection, commercial driveway, and park ramps, install color truncated domes Remove and replace landing area
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 8.3%			
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	
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	
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)



Ramp 2A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc.

Priority: 2

Project Description for Unsignalized Intersection

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: E Lindsey St
 Project Name: Intersection of E Lindsey St and driveway (Lat. 35.2039; Long. -97.4087)
 City: Norman

GPS ID: 90031

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00	\$ 500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	17	SY	\$ 12.00	\$ 204.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	0	LF	\$ 6.00	\$ -
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	1	LS	\$ 2,000.00	\$ 2,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	1	LS	\$ 500.00	\$ 500.00
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	3,954.00
Engineering: (% +/-)	15%	\$ 876.86
Contingency: (% +/-)	20%	\$ 1,169.14
Estimated Project Cost:	\$	6,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition					All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV)
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches					
Path of travel cross slope is greater than 5% for free-flow approaches					
Crosswalk width is less than 6'					
Crosswalk striping condition					

Curb Ramp Issues	Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp)		Possible Solutions
	1A	2A	
Curb ramp does not exist and is needed			Remove and replace curb ramp
Curb ramp does not land in crosswalk			
No 4' x 4' clear space at base of curb ramp			
Curbed side is not 90° or has traversable adjacent surface	X		
Flare cross slope is greater than 10%			
Curb ramp running slope is greater than 8.3%			
Blended transition running slope is greater than 5%			
Cut-thru ramp running slope is greater than 5%			
Curb ramp cross slope is greater than 2%		X	
Cut-thru ramp cross slope is greater than 2%			
Curb ramp width is less than 48"			Remove temporary obstruction For intersection, commercial driveway, and park 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	X		
No textured surface at base of curb ramp	X	X	
No color contrast at base of curb ramp	X	X	
Landing area does not exist and is needed			
Landing area is less than 5' x 5' or slopes greater than 2%	X		
Curb ramp transition onto roadway is greater than 0.25'		X	
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%			
Ponding occurs at base of curb ramp			



Ramp 1A



Ramp 2A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc.

Priority: 2

Project Description for Unsignalized Intersection

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: E Lindsey St
 Project Name: Intersection of E Lindsey St and driveway (Lat. 35.2039; Long. -97.4091)
 City: Norman

GPS ID: 90032

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00	\$ 500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	18	SY	\$ 12.00	\$ 216.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	0	LF	\$ 6.00	\$ -
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	0	LS	\$ 2,000.00	\$ -
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	1,466.00
Engineering: (% +/-)	15%	\$ 228.86
Contingency: (% +/-)	20%	\$ 305.14
Estimated Project Cost:	\$	2,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition					All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV)
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches					
Path of travel cross slope is greater than 5% for free-flow approaches					
Crosswalk width is less than 6'					
Crosswalk striping condition					

Curb Ramp Issues	Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp)		Possible Solutions	
	1A	2A		
Curb ramp does not exist and is needed			Remove and replace curb ramp	
Curb ramp does not land in crosswalk				
No 4' x 4' clear space at base of curb ramp				
Curbed side is not 90° or has traversable adjacent surface	X			
Flare cross slope is greater than 10%				
Curb ramp running slope is greater than 8.3%				
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, commercial driveway, and park 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				Remove and replace landing area
Landing area is less than 5' x 5' or slopes greater than 2%		X		
Curb ramp transition onto roadway is greater than 0.25				
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%				
Ponding occurs at base of curb ramp				



Ramp 1A



Ramp 2A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc.

Priority: 5

Project Description for Unsignalized Intersection

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: E Lindsey St
 Project Name: Intersection of E Lindsey St and driveway (Lat. 35.2039; Long. -97.4131)
 City: Norman

GPS ID: 90033

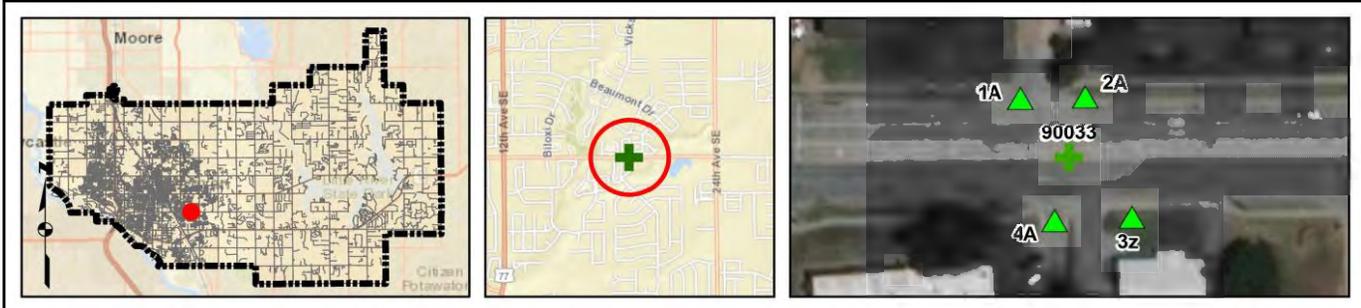
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	11	SY	\$ 50.00	\$ 550.00
ODOT 610(I)-4610	Tactile Warning Device - New	10	SF	\$ 25.00	\$ 250.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	30	SF	\$ 60.00	\$ 1,800.00
ODOT 619(B)-4792	Removal of Sidewalk	13	SY	\$ 12.00	\$ 156.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	0	LF	\$ 6.00	\$ -
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	2	LS	\$ 2,000.00	\$ 4,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	6,756.00
Engineering: (% +/-)	15%	\$ 1,390.29
Contingency: (% +/-)	20%	\$ 1,853.71
Estimated Project Cost:	\$	10,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition					All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV)
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches					
Path of travel cross slope is greater than 5% for free-flow approaches					
Crosswalk width is less than 6'					
Crosswalk striping condition					

Curb Ramp Issues	Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp)				Possible Solutions	
	1A	2A	3z	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 8.3%						
Blended transition running slope is greater than 5%						
Cut-thru ramp running slope is greater than 5%						
Curb ramp cross slope is greater than 2%						
Cut-thru ramp cross slope is greater than 2%						
Curb ramp width is less than 48"		X			For intersection, commercial driveway, and park 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	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 Fix curb ramp transition
Landing area is less than 5' x 5' or slopes greater than 2%	X	X				
Curb ramp transition onto roadway is greater than 0.25'	X	X				
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%						
Ponding occurs at base of curb ramp						



Ramp 1A



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: 5

Project Description for Unsignalized Intersection

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: E Lindsey St
 Project Name: Intersection of E Lindsey St and driveway (Lat. 35.2039; Long. -97.4128)
 City: Norman

GPS ID: 90034

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	0	SY	\$ 50.00	\$ -
ODOT 610(I)-4610	Tactile Warning Device - New	0	SF	\$ 25.00	\$ -
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	0	SY	\$ 12.00	\$ -
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	0	LF	\$ 6.00	\$ -
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	0	LS	\$ 2,000.00	\$ -
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	-
Engineering: (% +/-)	15%	\$ -
Contingency: (% +/-)	20%	\$ -
Estimated Project Cost:	\$	-

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition	All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV)				
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches					
Path of travel cross slope is greater than 5% for free-flow approaches					
Crosswalk width is less than 6'					
Crosswalk striping condition					

Curb Ramp Issues	Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp)		Possible Solutions
	3A		
Curb ramp does not exist and is needed			For intersection, commercial driveway, and park ramps, install color truncated domes
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 8.3%			
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		
No color contrast at base of curb ramp	X		
Landing area does not exist and is needed			
Landing area is less than 5' x 5' or slopes greater than 2%			
Curb ramp transition onto roadway is greater than 0.25			
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%			
Ponding occurs at base of curb ramp			



Ramp 3A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: W Main St
 Project Name: Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.4595)
 City: Norman

GPS ID: 90035

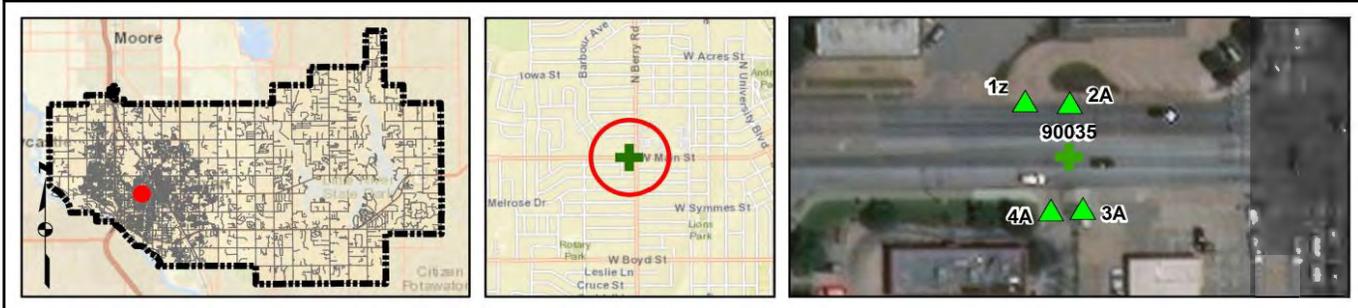
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	22	SY	\$ 50.00	\$ 1,100.00
ODOT 610(I)-4610	Tactile Warning Device - New	30	SF	\$ 25.00	\$ 750.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	10	SF	\$ 60.00	\$ 600.00
ODOT 619(B)-4792	Removal of Sidewalk	26	SY	\$ 12.00	\$ 312.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	0	LF	\$ 6.00	\$ -
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	1	LS	\$ 2,000.00	\$ 2,000.00
---	Fix Curb Ramp Transition	3	LS	\$ 2,000.00	\$ 6,000.00
---	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:	\$	10,762.00
Engineering: (% +/-)	15%	\$ 1,816.29
Contingency: (% +/-)	20%	\$ 2,421.71
Estimated Project Cost:	\$	15,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition					All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV)
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches					
Path of travel cross slope is greater than 5% for free-flow approaches					
Crosswalk width is less than 6'					
Crosswalk striping condition					

Curb Ramp Issues	Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp)				Possible Solutions
	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		X	X	X	
Flare cross slope is greater than 10%					
Curb ramp running slope is greater than 8.3%					
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					For intersection, commercial driveway, and park 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					Fix curb ramp transition
Landing area is less than 5' x 5' or slopes greater than 2%				X	
Curb ramp transition onto roadway is greater than 0.25'		X	X	X	
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%					Fix ponding
Ponding occurs at base of curb ramp	X				



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

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: W Main St
 Project Name: Intersection of W Main St and driveway (Lat. 35.2185; Long. -97.4622)
 City: Norman

GPS ID: 90036

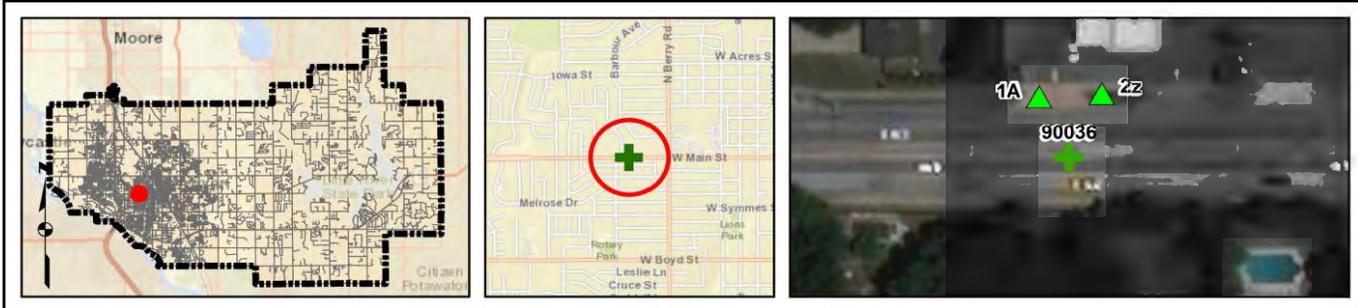
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	8	SY	\$ 50.00	\$ 400.00
ODOT 610(I)-4610	Tactile Warning Device - New	10	SF	\$ 25.00	\$ 250.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	10	SF	\$ 60.00	\$ 600.00
ODOT 619(B)-4792	Removal of Sidewalk	11	SY	\$ 12.00	\$ 132.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	0	LF	\$ 6.00	\$ -
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	1	LS	\$ 2,000.00	\$ 2,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	5,382.00
Engineering: (% +/-)	15%	\$ 1,122.00
Contingency: (% +/-)	20%	\$ 1,496.00
Estimated Project Cost:	\$	8,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition					All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV)
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches					
Path of travel cross slope is greater than 5% for free-flow approaches					
Crosswalk width is less than 6'					
Crosswalk striping condition					

Curb Ramp Issues	Curb Ramp ID ('z' or '1' in ramp label indicates no existing ramp)		Possible Solutions	
	1A	2z		
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 8.3%				
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, commercial driveway, and park 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				Remove and replace landing area
Landing area is less than 5' x 5' or slopes greater than 2%	X			
Curb ramp transition onto roadway is greater than 0.25'	X			Fix curb ramp transition
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%	X			Fix curb ramp counter slope
Ponding occurs at base of curb ramp				



Ramp 1A



Corner 2 No Ramp (2z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Client: City of Norman
 Program: ADA Self-Evaluation and Transition Plan
 KHA No.: 061298800

Date: 4/30/18
 Prepared By: CMP
 Checked By: EPE

Corridor: W Main St
 Project Name: Intersection of W Main St and driveway (Lat. 35.2185; Long. -97.4619)
 City: Norman

GPS ID: 90037

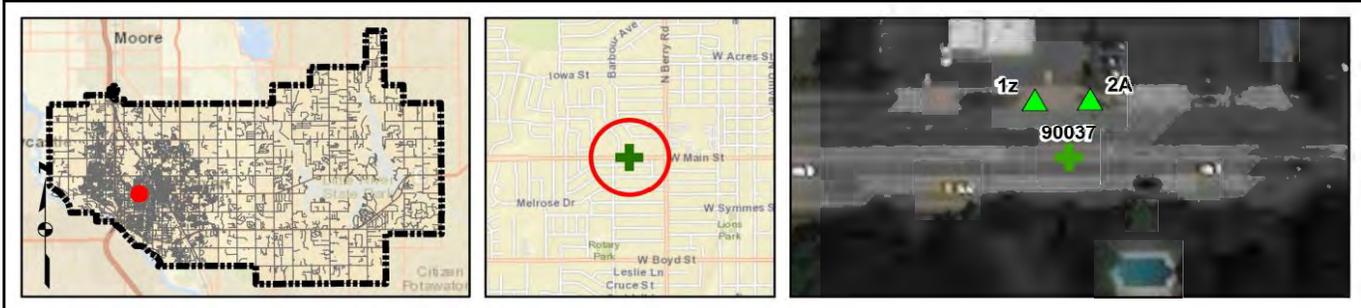
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	3	SY	\$ 50.00	\$ 150.00
ODOT 610(I)-4610	Tactile Warning Device - New	0	SF	\$ 25.00	\$ -
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	20	SF	\$ 60.00	\$ 1,200.00
ODOT 619(B)-4792	Removal of Sidewalk	2	SY	\$ 12.00	\$ 24.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	0	LF	\$ 6.00	\$ -
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	1	LS	\$ 2,000.00	\$ 2,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	3,374.00
Engineering: (% +/-)	15%	\$ 696.86
Contingency: (% +/-)	20%	\$ 929.14
Estimated Project Cost:	\$	5,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition					All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV)
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches					
Path of travel cross slope is greater than 5% for free-flow approaches					
Crosswalk width is less than 6'					
Crosswalk striping condition					

Curb Ramp Issues	Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp)		Possible Solutions
	1z	2A	
Curb ramp does not exist and is needed			For intersection, commercial driveway, and park ramps, install color truncated domes Remove and replace landing area Fix curb ramp transition
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 8.3%			
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	
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	
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			



Corner 1 No Ramp (1z)



Ramp 2A

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Date: 4/30/18
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Corridor: W Main St
 Project Name: Intersection of W Main St and driveway (Lat. 35.2185; Long. -97.4617)
 City: Norman

GPS ID: 90038

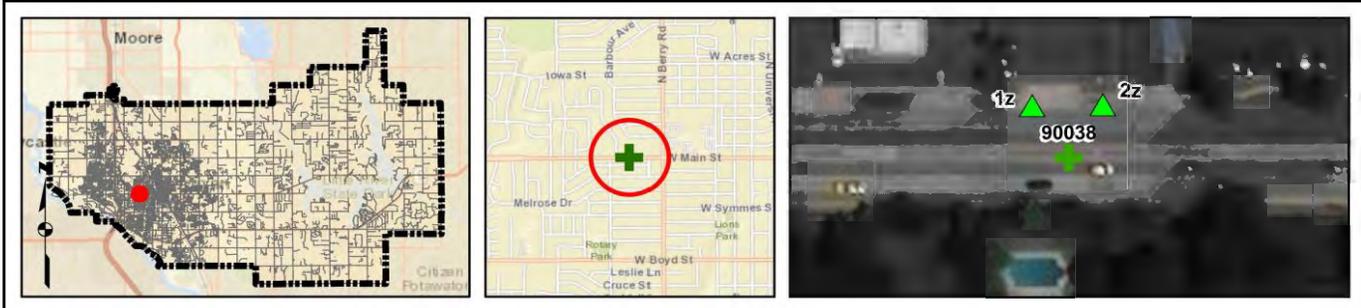
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
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ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	21	SY	\$ 50.00	\$ 1,050.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00	\$ 500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	0	SY	\$ 12.00	\$ -
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
---	Crosswalk Pavement Markings	0	LF	\$ 6.00	\$ -
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	0	LS	\$ 2,000.00	\$ -
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	1,550.00
Engineering: (% +/-)	15%	\$ 621.43
Contingency: (% +/-)	20%	\$ 828.57
Estimated Project Cost:	\$	3,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition					All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV)
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control approaches					
Path of travel cross slope is greater than 5% for free-flow approaches					
Crosswalk width is less than 6'					
Crosswalk striping condition					

Curb Ramp Issues	Curb Ramp ID ('z' or '1' in ramp label indicates no existing ramp)		Possible Solutions
	1z	2z	
Curb ramp does not exist and is needed	X	X	Install curb ramp; if median improvement, see shapefile
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 8.3%			
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			