



Corner 1 No Ramp (1z)



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

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 driveway (Lat. 35.2184; Long. -97.4615)
 City: Norman

GPS ID: 90039

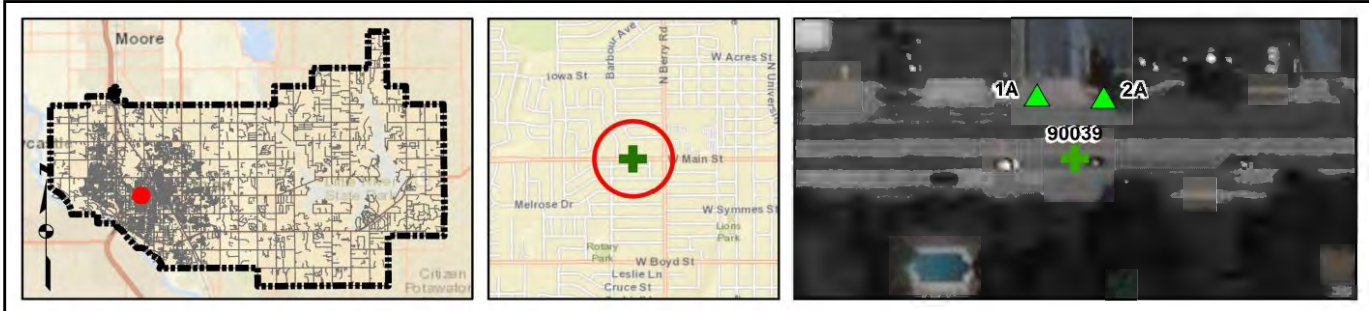
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	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	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:	\$	5,478.00
Engineering: (% +/-)	15%	\$ 1,080.86
Contingency: (% +/-)	20%	\$ 1,441.14
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
	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	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	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: W Main St
 Project Name: Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.461)
 City: Norman

GPS ID: 90040

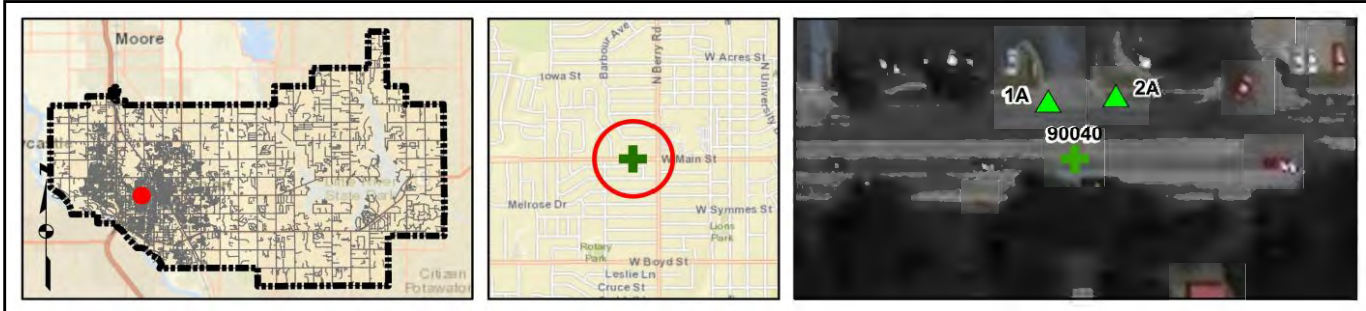
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	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	0	LF	\$ 6.00	\$ -
---	Repave Roadway	0	LS	\$ 5,000.00	\$ -
---	Fix Ponding	0	LS	\$ 2,000.00	\$ -
---	Fix Curb Ramp Transition	2	LS	\$ 2,000.00	\$ 4,000.00
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	1	LS	\$ 2,000.00	\$ 2,000.00

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	7,490.00
Engineering: (% +/-)	15%	\$ 1,504.29
Contingency: (% +/-)	20%	\$ 2,005.71
Estimated Project Cost:	\$	11,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition					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	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				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		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



Ramp 2A

Opinion of Probable Construction Cost Disclaimer:

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

Kimley-Horn and Associates, Inc.

Priority: 5

Project Description for Unsignalized Intersection

Client: City of 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. -97.4606)
 City: Norman

GPS ID: 90041

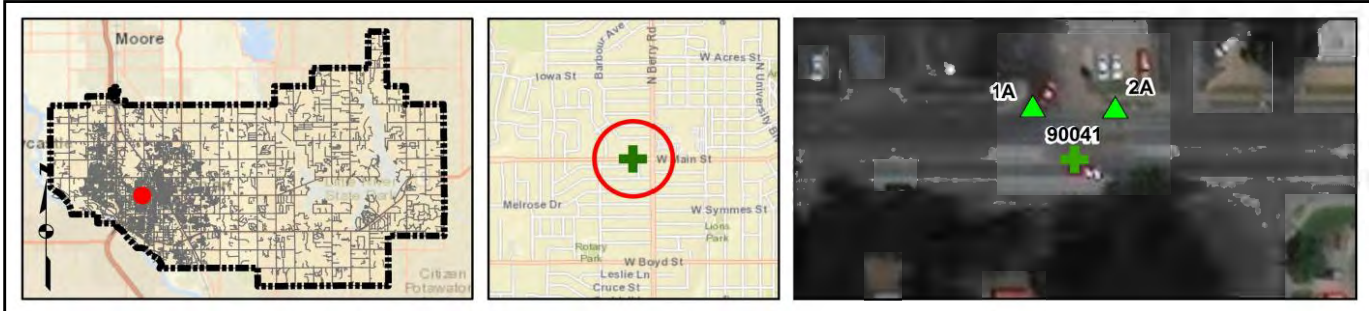
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	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		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	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				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

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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 driveway (Lat. 35.2185; Long. -97.4603)
 City: Norman

GPS ID: 90042

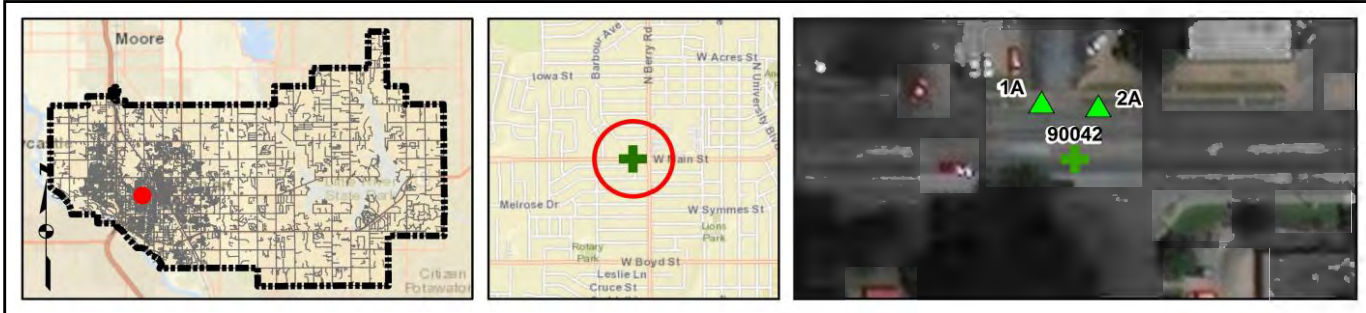
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	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	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:	\$	5,454.00
Engineering: (% +/-)	15%	\$ 1,091.14
Contingency: (% +/-)	20%	\$ 1,454.86
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
	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%	X		
Blended transition running slope is greater than 5%			
Cut-thru ramp running slope is greater than 5%			
Curb ramp cross slope is greater than 2%	X	X	
Cut-thru ramp cross slope is greater than 2%			
Curb ramp width is less than 48"			For intersection, 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	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



Ramp 1A



Ramp 2A

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 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. -97.4597)
 City: Norman

GPS ID: 90043

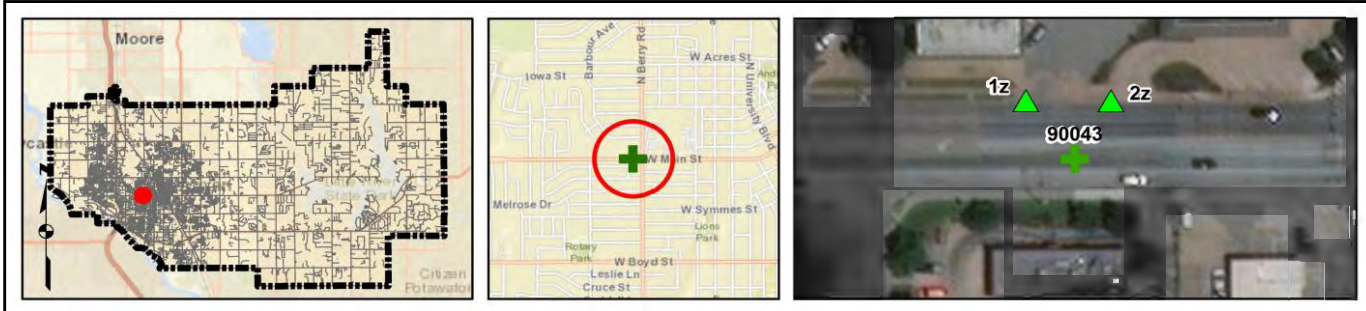
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
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ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	0	SY	\$ 50.00	\$ -
ODOT 610(I)-4610	Tactile Warning Device - New	0	SF	\$ 25.00	\$ -
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	20	SF	\$ 60.00	\$ 1,200.00
ODOT 619(B)-4792	Removal of Sidewalk	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:	\$	1,200.00
Engineering: (% +/-)	15%	\$ 342.86
Contingency: (% +/-)	20%	\$ 457.14
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
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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%			
Curb ramp transition onto roadway is greater than 0.25'			
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%			
Ponding occurs at base of curb ramp			



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)

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Kimley-Horn and Associates, Inc.

Priority: 5

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 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. -97.4762)
 City: Norman

GPS ID: 90044

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	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	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:	\$	1,532.00
Engineering: (% +/-)	15%	\$ 629.14
Contingency: (% +/-)	20%	\$ 838.86
Estimated Project Cost:	\$	3,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition					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%		X		
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"			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 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 driveway (Lat. 35.2184; Long. -97.4759)
 City: Norman

GPS ID: 90045

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	32	SY	\$ 12.00	\$ 384.00
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:	\$	4,834.00
Engineering: (% +/-)	15%	\$ 928.29
Contingency: (% +/-)	20%	\$ 1,237.71
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	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"					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	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 Fix curb ramp transition
Landing area is less than 5' x 5' or slopes greater than 2%		X	X	X		
Curb ramp transition onto roadway is greater than 0.25'			X			
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%						
Ponding occurs at base of curb ramp						



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Client: City of 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. -97.4739)
 City: Norman

GPS ID: 90046

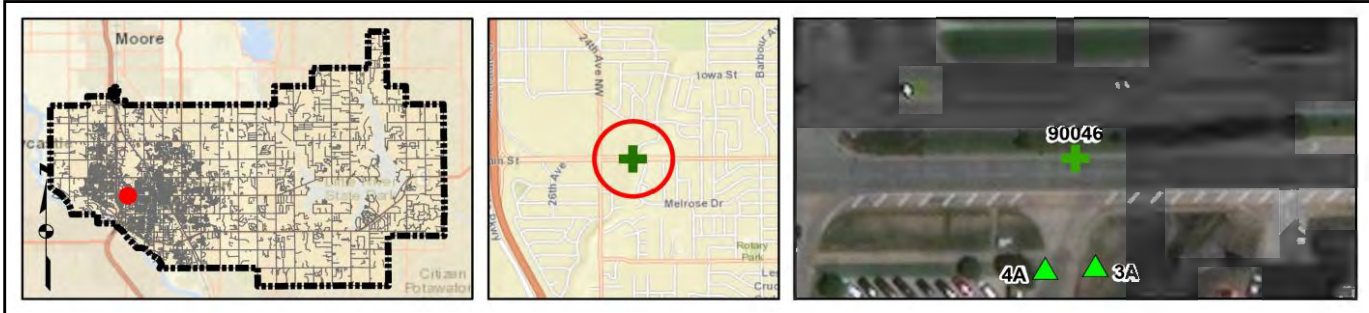
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00	\$ 500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00	\$ -
ODOT 619(B)-4792	Removal of Sidewalk	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	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	5,526.00
Engineering: (% +/-)	15%	\$ 1,060.29
Contingency: (% +/-)	20%	\$ 1,413.71
Estimated Project Cost:	\$	8,000.00

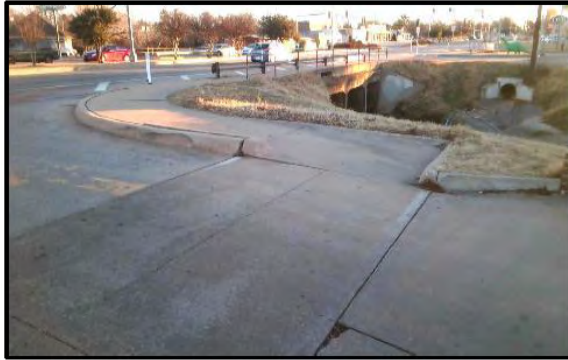
Project Location



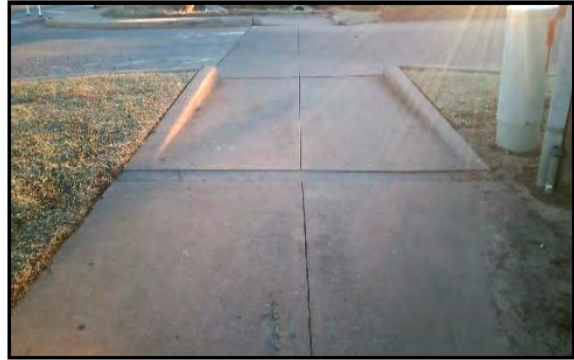
Field Observations

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%	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		
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	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 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. -97.4734)
 City: Norman

GPS ID: 90047

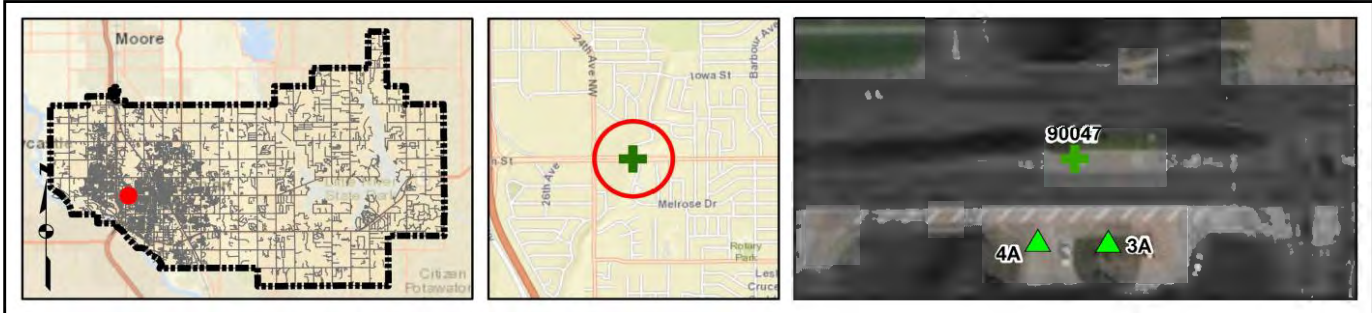
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	8	SY	\$ 50.00	\$ 400.00
ODOT 610(I)-4610	Tactile Warning Device - New	10	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	10	SY	\$ 12.00	\$ 120.00
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:	\$	3,370.00
Engineering: (% +/-)	15%	\$ 698.57
Contingency: (% +/-)	20%	\$ 931.43
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		
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		
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		
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 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. -97.4732)
 City: Norman

GPS ID: 90048

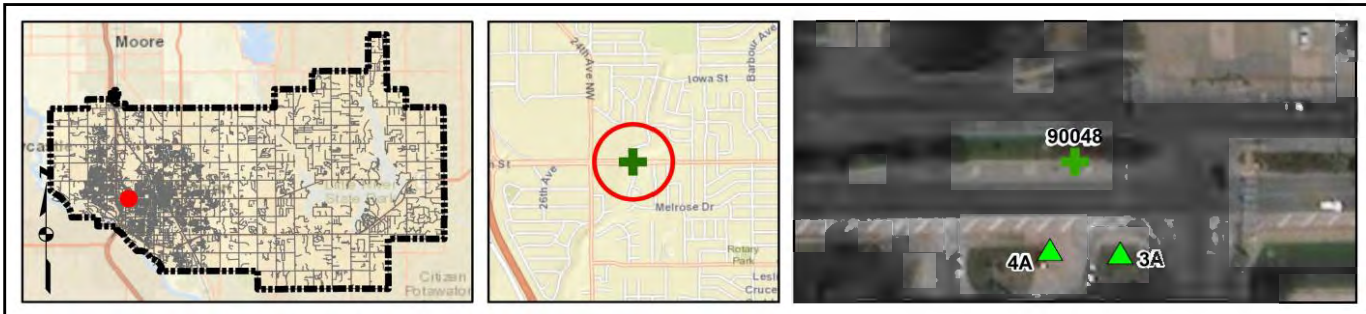
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	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	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:	\$	5,430.00
Engineering: (% +/-)	15%	\$ 1,101.43
Contingency: (% +/-)	20%	\$ 1,468.57
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	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%			
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	Fix curb ramp transition
No color contrast at base of curb ramp	X	X	
Landing area does not exist and is needed			
Landing area is less than 5' x 5' or slopes greater than 2%			
Curb ramp transition onto roadway is greater than 0.25	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 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. 35.2184; Long. -97.4723)
 City: Norman

GPS ID: 90049

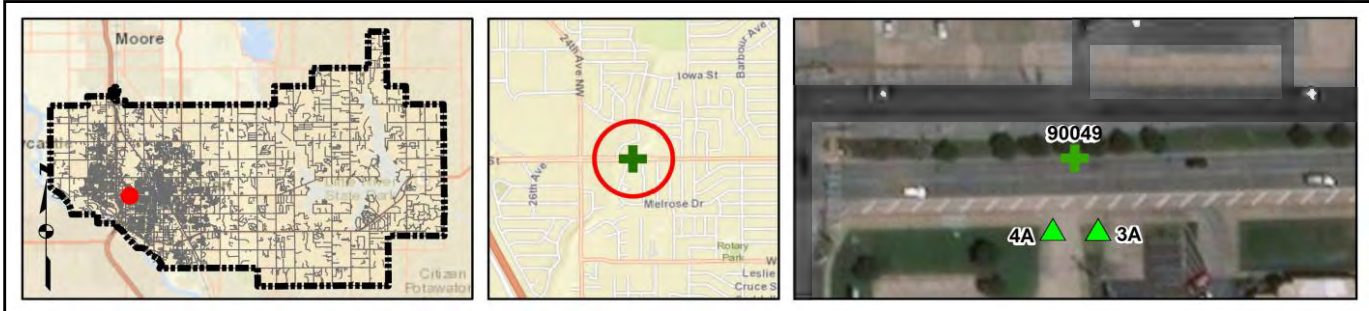
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	8	SY	\$ 50.00	\$ 400.00
ODOT 610(I)-4610	Tactile Warning Device - New	10	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	8	SY	\$ 12.00	\$ 96.00
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:	\$	5,346.00
Engineering: (% +/-)	15%	\$ 1,137.43
Contingency: (% +/-)	20%	\$ 1,516.57
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%	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			
Landing area is less than 5' x 5' or slopes greater than 2%			
Curb ramp transition onto roadway is greater than 0.25'	X	X	
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%			
Ponding occurs at base of curb ramp			



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. 35.2184; Long. -97.4721)
 City: Norman

GPS ID: 90050

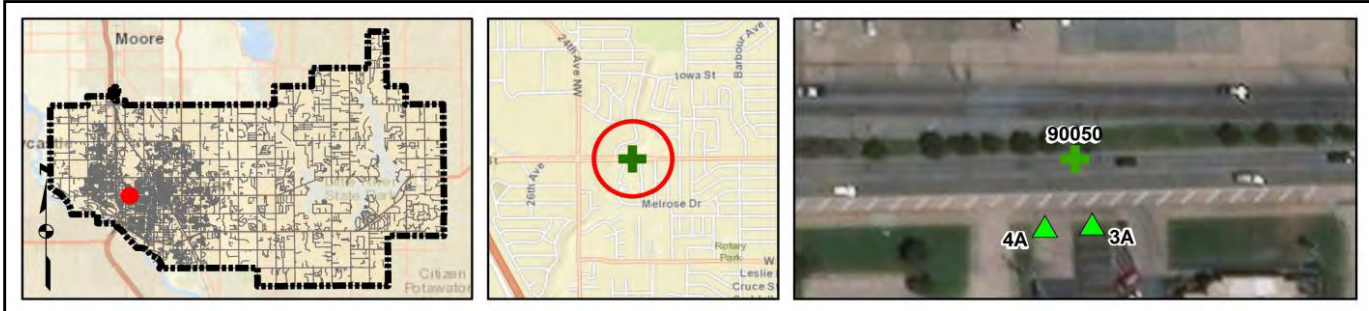
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	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	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:	\$	5,430.00
Engineering: (% +/-)	15%	\$ 1,101.43
Contingency: (% +/-)	20%	\$ 1,468.57
Estimated Project Cost:	\$	8,000.00

Project Location



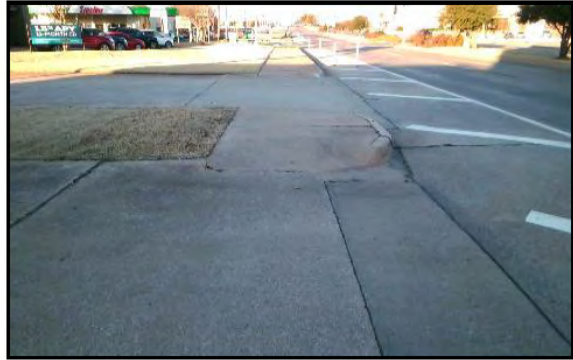
Field Observations

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%	X		
Blended transition running slope is greater than 5%			
Cut-thru ramp running slope is greater than 5%			
Curb ramp cross slope is greater than 2%	X	X	
Cut-thru ramp cross slope is greater than 2%			
Curb ramp width is less than 48"			For intersection, 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%			
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 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. 35.2184; Long. -97.472)
 City: Norman

GPS ID: 90051

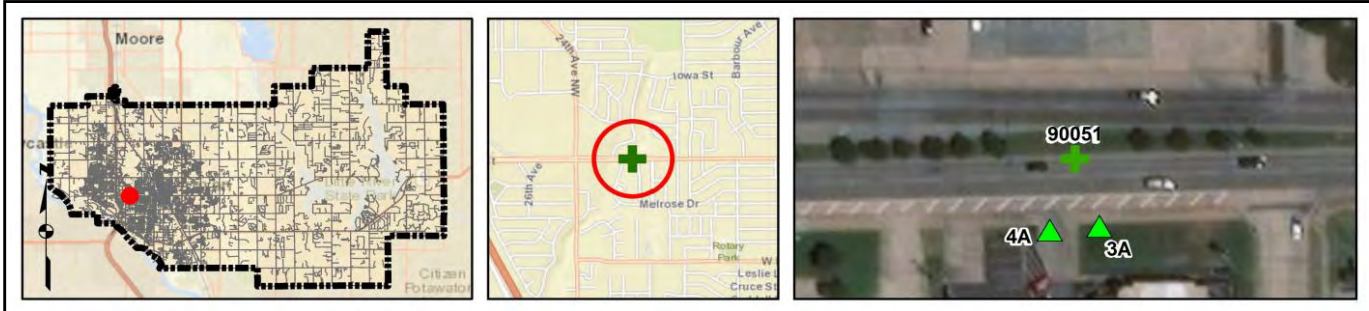
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	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	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:	\$	5,490.00
Engineering: (% +/-)	15%	\$ 1,075.71
Contingency: (% +/-)	20%	\$ 1,434.29
Estimated Project Cost:	\$	8,000.00

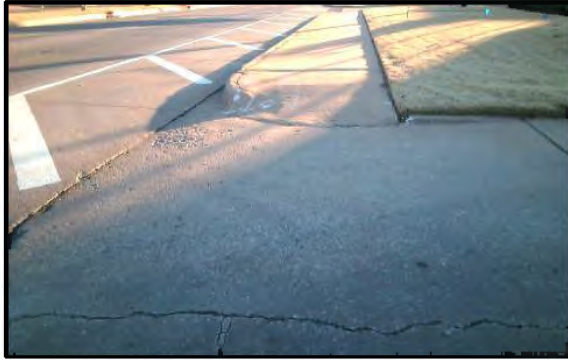
Project Location



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%	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		
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	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 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. -97.471)
 City: Norman

GPS ID: 90052

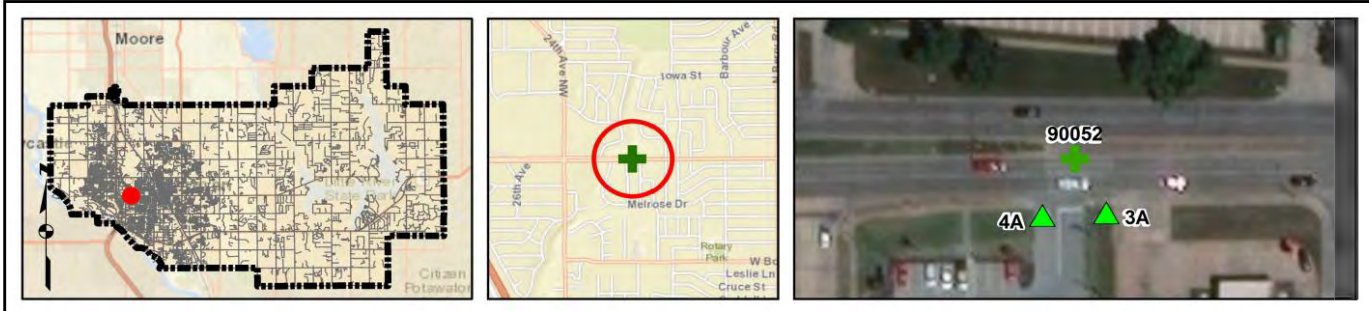
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	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	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:	\$	5,466.00
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%	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	Remove and replace landing area Fix curb ramp transition
Cut-thru ramp width is less than 60"			
Permanent obstruction (>0.25') in curb ramp/landing/flares			
Temporary obstruction (>0.25') in curb ramp/landing/flares			
No textured surface at base of curb ramp			
No color contrast at base of curb ramp			
Landing area does not exist and is needed			
Landing area is less than 5' x 5' or slopes greater than 2%	X		
Curb ramp transition onto roadway is greater than 0.25'	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 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. -97.4708)
 City: Norman

GPS ID: 90053

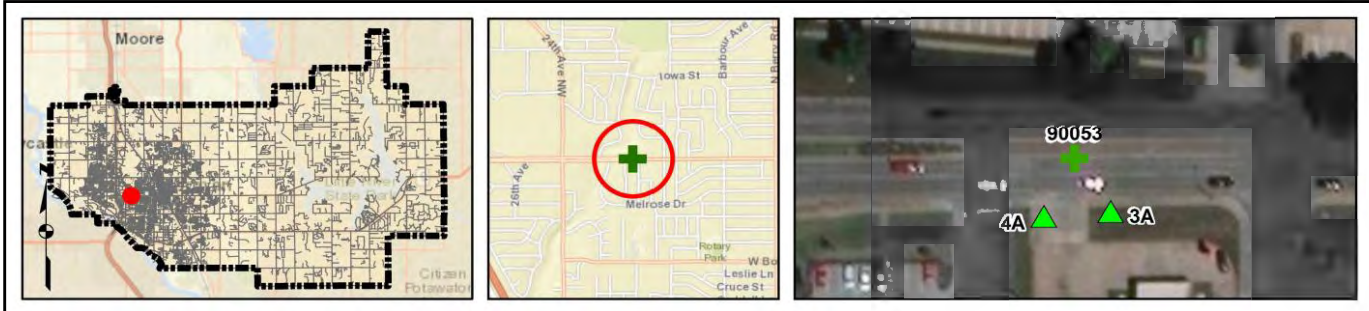
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	8	SY	\$ 50.00	\$ 400.00
ODOT 610(I)-4610	Tactile Warning Device - New	10	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	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:	\$	4,746.00
Engineering: (% +/-)	15%	\$ 966.00
Contingency: (% +/-)	20%	\$ 1,288.00
Estimated Project Cost:	\$	7,000.00

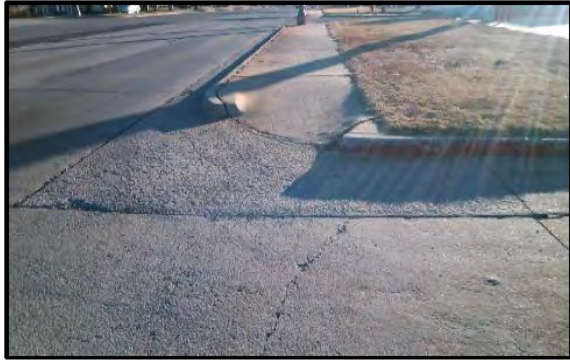
Project Location



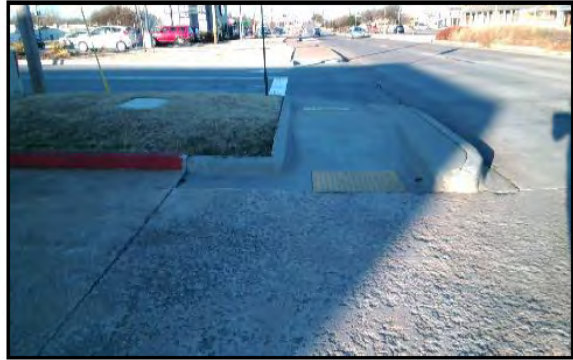
Field Observations

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
	3A	4A	
Curb ramp does not exist and is needed			Remove and replace curb ramp
Curb ramp does not land in crosswalk			
No 4' x 4' clear space at base of curb ramp			
Curbed side is not 90° or has traversable adjacent surface	X		
Flare cross slope is greater than 10%			
Curb ramp running slope is greater than 8.3%			
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		
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'	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 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

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. -97.4699)
 City: Norman

GPS ID: 90054

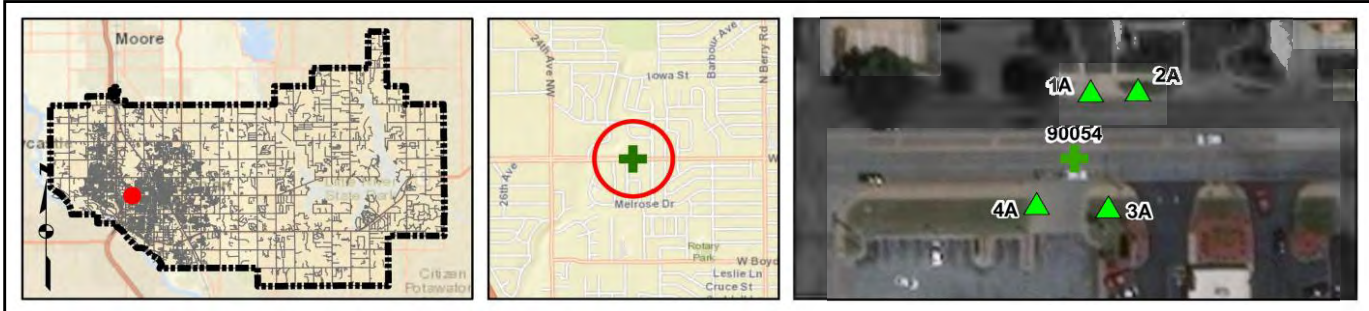
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	20	SY	\$ 50.00	\$ 1,000.00
ODOT 610(I)-4610	Tactile Warning Device - New	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	0	LF	\$ 6.00	\$ -
---	Repave Roadway	0	LS	\$ 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:	\$	10,964.00
Engineering: (% +/-)	15%	\$ 1,729.71
Contingency: (% +/-)	20%	\$ 2,306.29
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					

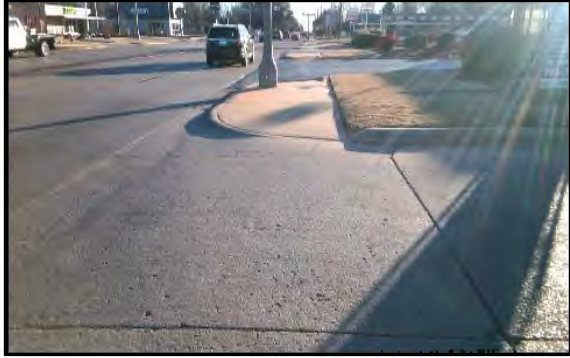
Curb Ramp Issues	Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp)				Possible Solutions	
	1A	2A	3A	4A		
Curb ramp does not exist and is needed					Remove and replace curb ramp	
Curb ramp does not land in crosswalk						
No 4' x 4' clear space at base of curb ramp						
Curbed side is 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				
Blended transition running slope is greater than 5%						
Cut-thru ramp running slope is greater than 5%						
Curb ramp cross slope is greater than 2%	X	X				
Cut-thru ramp cross slope is greater than 2%						
Curb ramp width is less than 48"					For intersection, 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 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	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: W Main St
 Project Name: Intersection of W Main St and driveway (Lat. 35.2185; Long. -97.4696)
 City: Norman

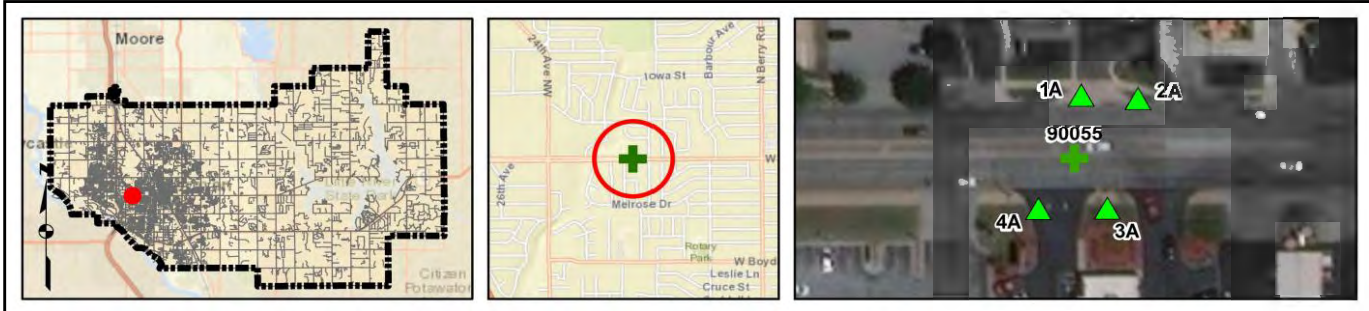
GPS ID: 90055

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	40	SY	\$ 12.00	\$ 480.00
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	2	LS	\$ 2,000.00	\$ 4,000.00
				Subtotal:	\$ 12,980.00
				Engineering: (% +/-)	15% \$ 2,151.43
				Contingency: (% +/-)	20% \$ 2,868.57
				Estimated Project Cost:	\$ 18,000.00

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					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			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	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	X			
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%			X	X		Fix curb ramp counter slope
Ponding occurs at base of curb ramp						



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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 driveway (Lat. 35.2185; Long. -97.4694)
 City: Norman

GPS ID: 90056

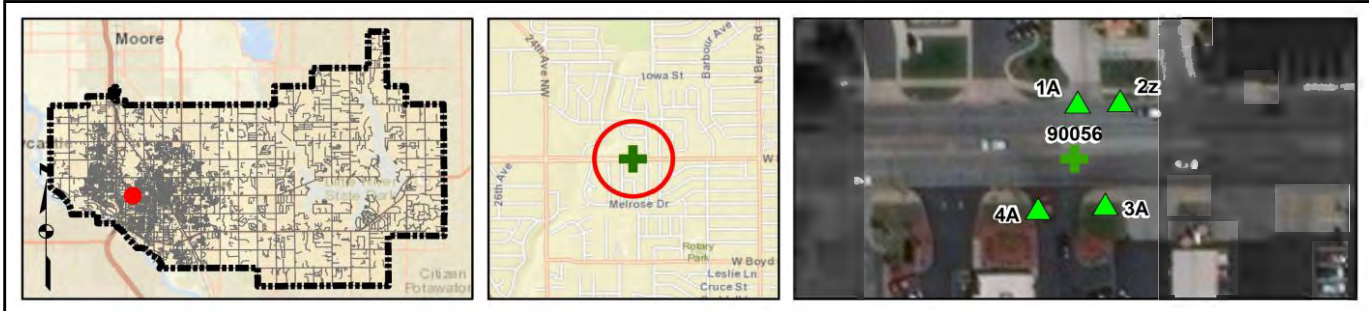
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	22	SY	\$ 50.00	\$ 1,100.00
ODOT 610(I)-4610	Tactile Warning Device - New	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	33	SY	\$ 12.00	\$ 396.00
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:	\$	8,846.00
Engineering: (% +/-)	15%	\$ 1,351.71
Contingency: (% +/-)	20%	\$ 1,802.29
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	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			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	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					
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					Remove and replace landing area Fix curb ramp transition
					Fix curb ramp counter slope



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

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. -97.4692)
 City: Norman

GPS ID: 90057

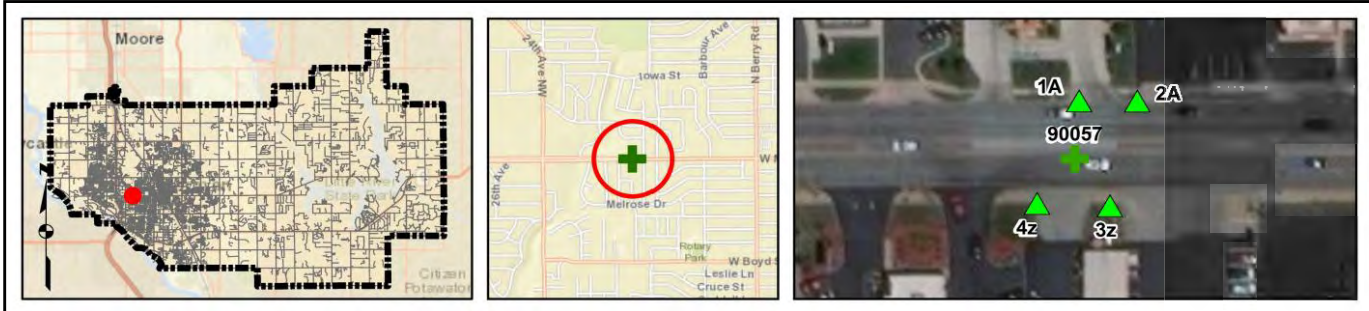
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	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						
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"					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					
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)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc.

Priority: 6

Project Description for Unsignalized Intersection

Client: City of 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. -97.469)
 City: Norman

GPS ID: 90058

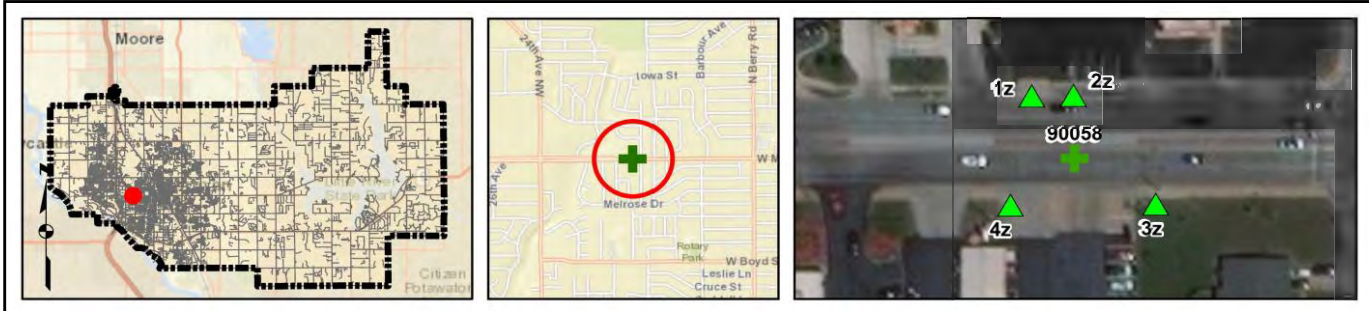
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	21	SY	\$ 50.00	\$ 1,050.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00	\$ 500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	20	SF	\$ 60.00	\$ 1,200.00
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:	\$	2,750.00
Engineering: (% +/-)	15%	\$ 535.71
Contingency: (% +/-)	20%	\$ 714.29
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					

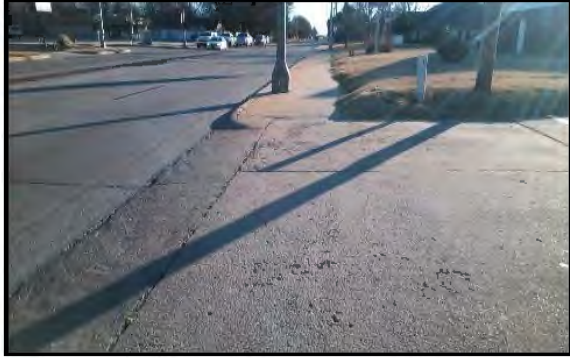
Curb Ramp Issues	Curb Ramp ID ('z' or 'l' in ramp label indicates no existing ramp)				Possible Solutions
	1z	2z	3z	4z	
Curb ramp does not exist and is needed	X	X			Install curb ramp; if median improvement, see shapefile
Curb ramp does not land in crosswalk					
No 4' x 4' clear space at base of curb 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			X	X	
No color contrast at base of curb ramp			X	X	
Landing area does not exist and is needed					
Landing area is less than 5' x 5' or slopes greater than 2%					
Curb ramp transition onto roadway is greater than 0.25'					
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%					
Ponding occurs at base of curb ramp					



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Client: City of Norman Date: 4/30/18
 Program: ADA Self-Evaluation and Transition Plan Prepared By: CMP
 KHA No.: 061298800 Checked By: EPE

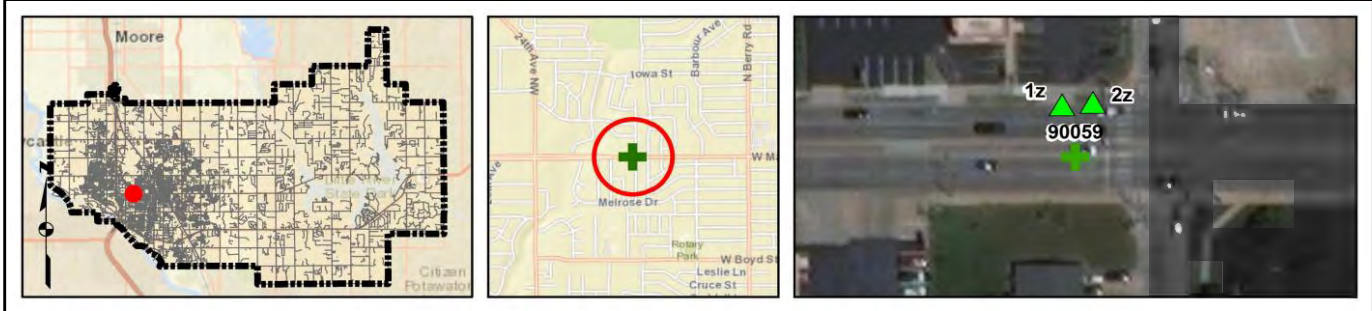
Corridor: W Main St GPS ID: 90059
 Project Name: Intersection of W Main St and driveway (Lat. 35.2185; Long. -97.4685)
 City: Norman

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	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

<input checked="" type="checkbox"/> No Design Completed	Subtotal: \$	1,550.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 621.43
<input type="checkbox"/> Final Design	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			



Corner 1 No Ramp (1z)



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. -97.4687)
 City: Norman

GPS ID: 90060

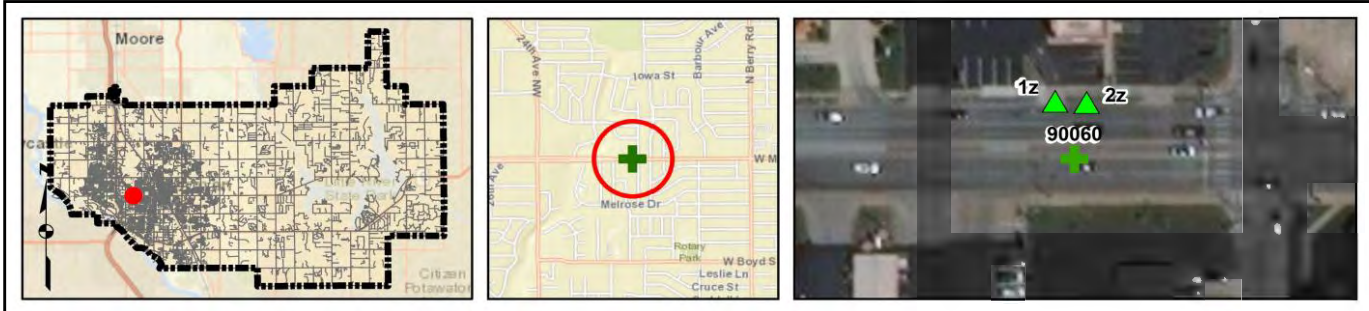
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	21	SY	\$ 50.00	\$ 1,050.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00	\$ 500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	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			



Corner 1 No Ramp (1z)



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 Date: 4/30/18
 Program: ADA Self-Evaluation and Transition Plan Prepared By: CMP
 KHA No.: 061298800 Checked By: EPE

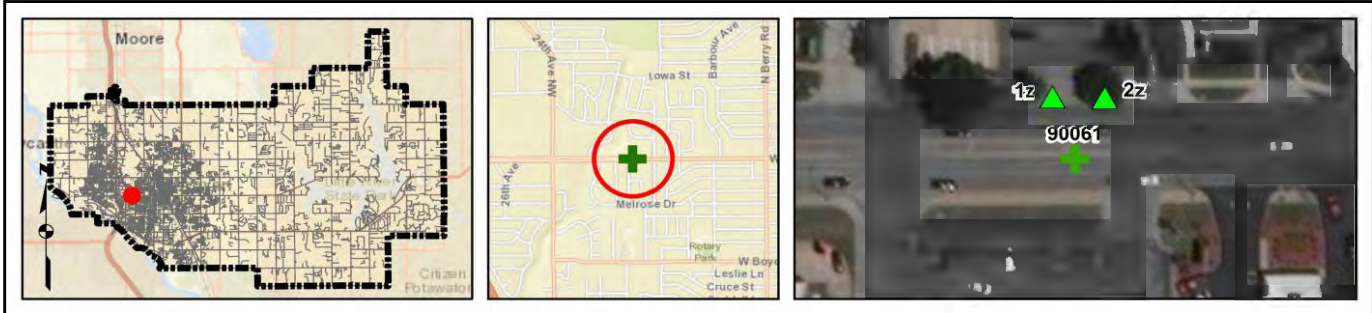
Corridor: W Main St GPS ID: 90061
 Project Name: Intersection of W Main St and driveway (Lat. 35.2185; Long. -97.47)
 City: Norman

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	0	SY	\$ 50.00	\$ -
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	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

<input checked="" type="checkbox"/> No Design Completed	Subtotal: \$	1,200.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 342.86
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 457.14
	Estimated Project Cost:	\$ 2,000.00

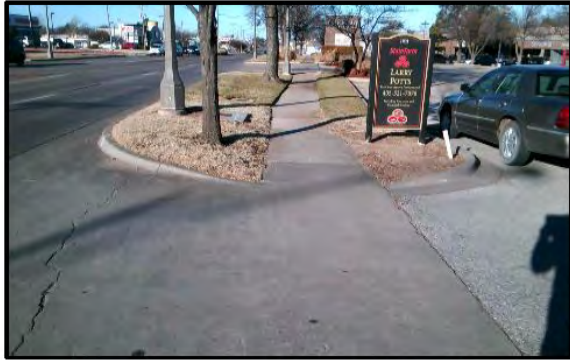
Project Location



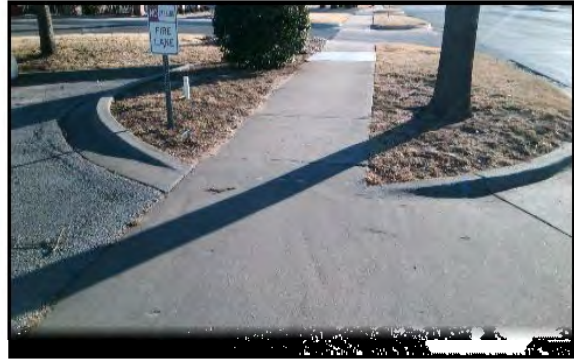
Field Observations

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 '1z' in ramp label indicates no existing ramp)		Possible Solutions
	1z	2z	
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	
No color contrast at base of curb ramp	X	X	
Landing area does not exist and is needed			
Landing area is less than 5' x 5' or slopes greater than 2%			
Curb ramp transition onto roadway is greater than 0.25			
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%			
Ponding occurs at base of curb ramp			



Corner 1 No Ramp (1z)



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. -97.4704)
 City: Norman

GPS ID: 90062

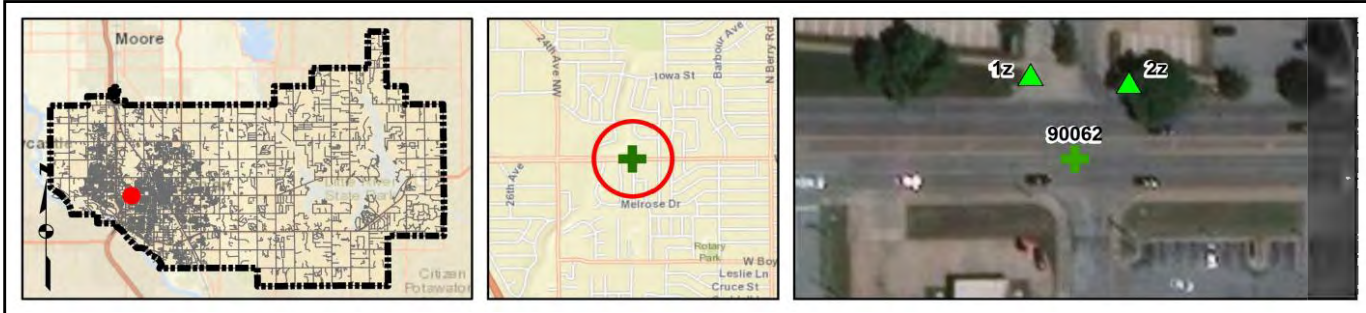
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	0	SY	\$ 50.00	\$ -
ODOT 610(I)-4610	Tactile Warning Device - New	0	SF	\$ 25.00	\$ -
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	20	SF	\$ 60.00	\$ 1,200.00
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:	\$	1,200.00
Engineering: (% +/-)	15%	\$ 342.86
Contingency: (% +/-)	20%	\$ 457.14
Estimated Project Cost:	\$	2,000.00

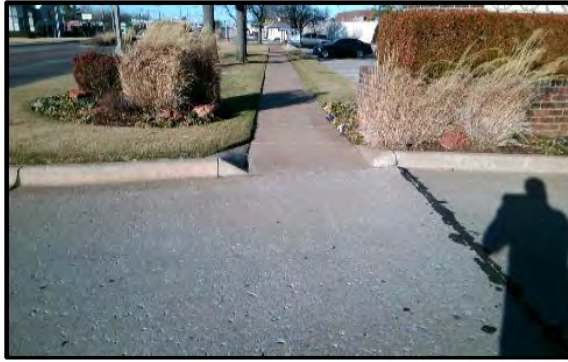
Project Location



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
	1z	2z	
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	
No color contrast at base of curb ramp	X	X	
Landing area does not exist and is needed			
Landing area is less than 5' x 5' or slopes greater than 2%			
Curb ramp transition onto roadway is greater than 0.25'			
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%			
Ponding occurs at base of curb ramp			



Corner 1 No Ramp (1z)



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. 35.2184; Long. -97.4742)
 City: Norman

GPS ID: 90063

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	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:	\$	2,782.00
Engineering: (% +/-)	15%	\$ 522.00
Contingency: (% +/-)	20%	\$ 696.00
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	
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%			
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		
No color contrast at base of curb ramp	X		
Landing area does not exist and is needed			
Landing area is less than 5' x 5' or slopes greater than 2%	X		
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: W Main St
 Project Name: Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.4754)
 City: Norman

GPS ID: 90064

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	20	SF	\$ 60.00	\$ 1,200.00
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:	\$	1,200.00
Engineering: (% +/-)	15%	\$ 342.86
Contingency: (% +/-)	20%	\$ 457.14
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
	1z	2z	
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	
No color contrast at base of curb ramp	X	X	
Landing area does not exist and is needed			
Landing area is less than 5' x 5' or slopes greater than 2%			
Curb ramp transition onto roadway is greater than 0.25			
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%			
Ponding occurs at base of curb ramp			



Corner 1 No Ramp (1z)



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

Kimley-Horn and Associates, Inc.

Priority: 13

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. -97.4756)
 City: Norman

GPS ID: 90065

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	20	SF	\$ 60.00	\$ 1,200.00
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:	\$	1,200.00
Engineering: (% +/-)	15%	\$ 342.86
Contingency: (% +/-)	20%	\$ 457.14
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
	1z	2z	
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	
No color contrast at base of curb ramp	X	X	
Landing area does not exist and is needed			
Landing area is less than 5' x 5' or slopes greater than 2%			
Curb ramp transition onto roadway is greater than 0.25			
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%			
Ponding occurs at base of curb ramp			



Corner 1 No Ramp (1z)



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 Date: 4/30/18
 Program: ADA Self-Evaluation and Transition Plan Prepared By: CMP
 KHA No.: 061298800 Checked By: EPE

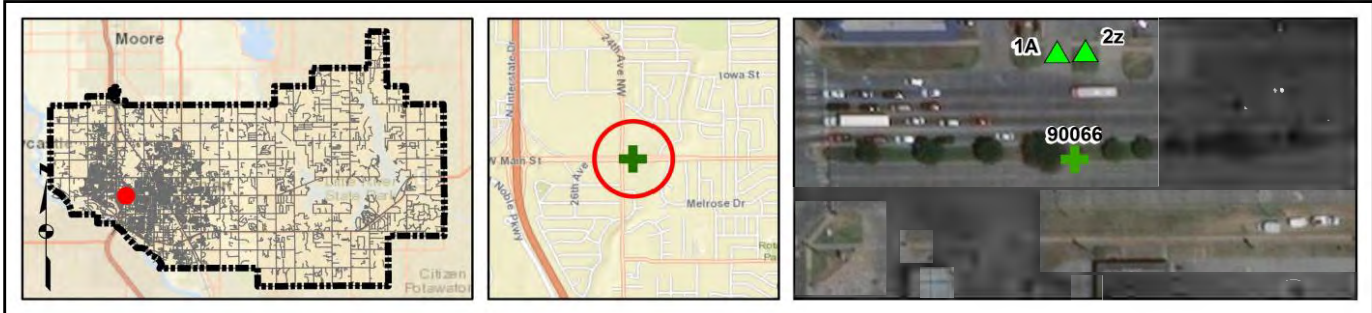
Corridor: W Main St GPS ID: 90066
 Project Name: Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.4758)
 City: Norman

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	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

<input checked="" type="checkbox"/> No Design Completed	Subtotal: \$	1,386.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 263.14
<input type="checkbox"/> Final Design	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 '1' in ramp label indicates no existing ramp)		Possible Solutions
	1A	2z	
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			



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

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 driveway (Lat. 35.2178; Long. -97.4766)
 City: Norman

GPS ID: 90067

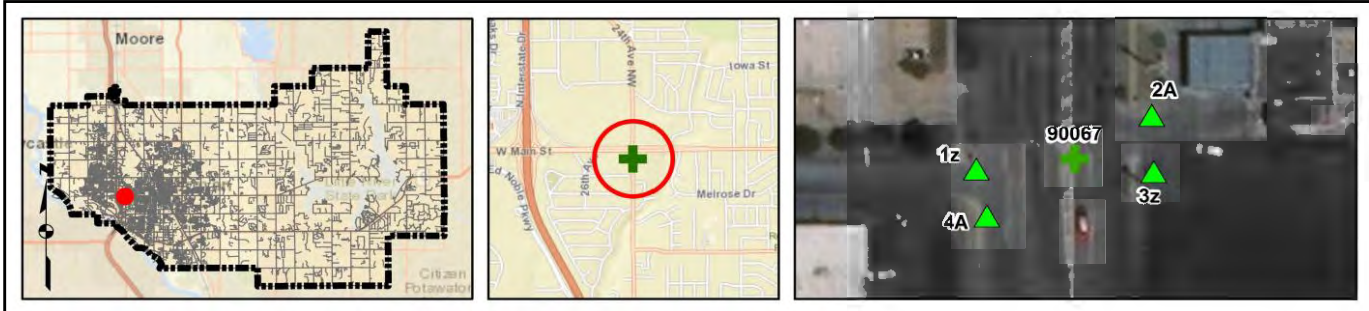
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	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	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	\$ -
---	Repare 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:	\$	4,702.00
Engineering: (% +/-)	15%	\$ 984.86
Contingency: (% +/-)	20%	\$ 1,313.14
Estimated Project Cost:	\$	7,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition					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	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%		X				
Blended transition running slope is greater than 5%						
Cut-thru ramp running slope is greater than 5%						
Curb ramp cross slope is greater than 2%		X		X		
Cut-thru ramp cross slope is greater than 2%						
Curb ramp width is less than 48"					For intersection, 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						



Corner 1 No Ramp (1z)



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 Date: 4/30/18
 Program: ADA Self-Evaluation and Transition Plan Prepared By: CMP
 KHA No.: 061298800 Checked By: EPE

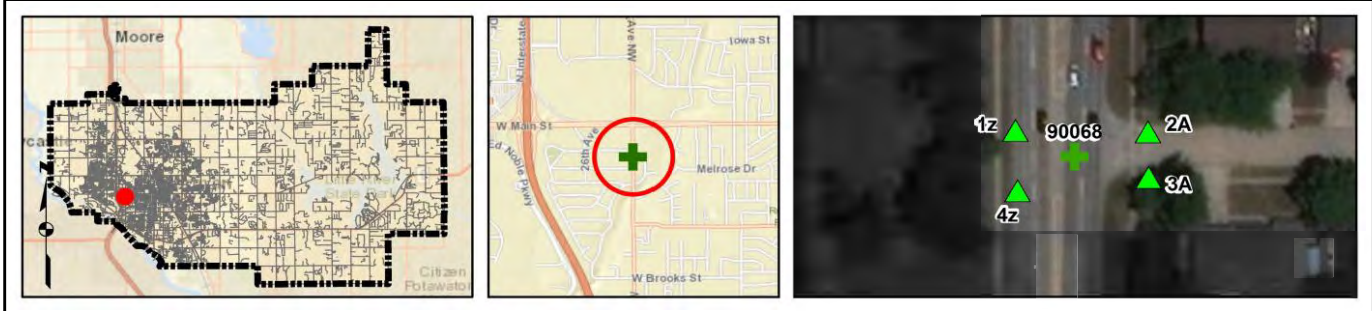
Corridor: 24th Ave SW GPS ID: 90068
 Project Name: Intersection of 24th Ave SW and George I. Cross Dr
 City: Norman

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	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	20	SY	\$ 12.00	\$ 240.00
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	0	LS	\$ 2,000.00	\$ -
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

<input checked="" type="checkbox"/> No Design Completed	Subtotal: \$ 7,414.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-) 15% \$ 1,536.86
<input type="checkbox"/> Final Design	Contingency: (% +/-) 20% \$ 2,049.14
	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	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		
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		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					



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 Date: 4/30/18
 Program: ADA Self-Evaluation and Transition Plan Prepared By: CMP
 KHA No.: 061298800 Checked By: EPE

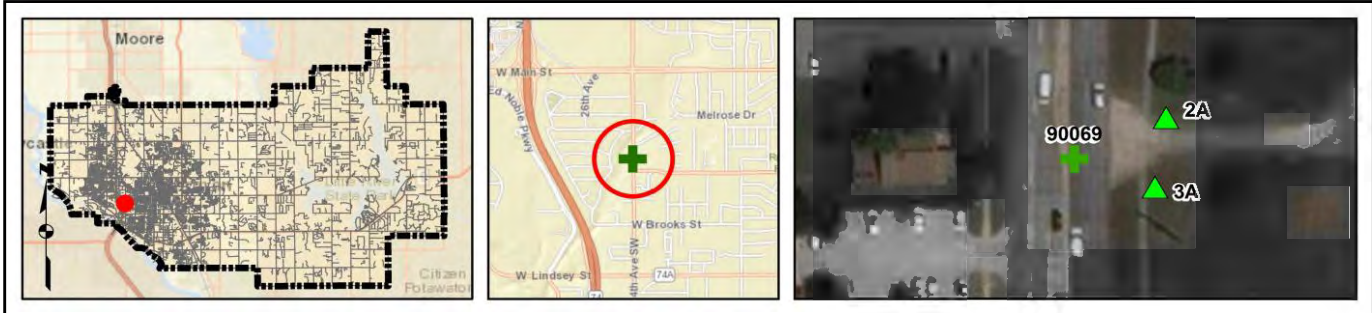
Corridor: 24th Ave SW GPS ID: 90069
 Project Name: Intersection of 24th Ave SW and driveway (Lat. 35.2122; Long. -97.4767)
 City: Norman

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	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

<input checked="" type="checkbox"/> No Design Completed	Subtotal:	\$ 1,466.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 228.86
<input type="checkbox"/> Final Design	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	
	2A	3A		
Curb ramp does not exist and is needed			Remove and replace curb ramp	
Curb ramp does not land in crosswalk				
No 4' x 4' clear space at base of curb ramp				
Curbed side is not 90° or has traversable adjacent surface				
Flare cross slope is greater than 10%				
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		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 2A



Ramp 3A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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. 35.212; Long. -97.4767)
 City: Norman

GPS ID: 90070

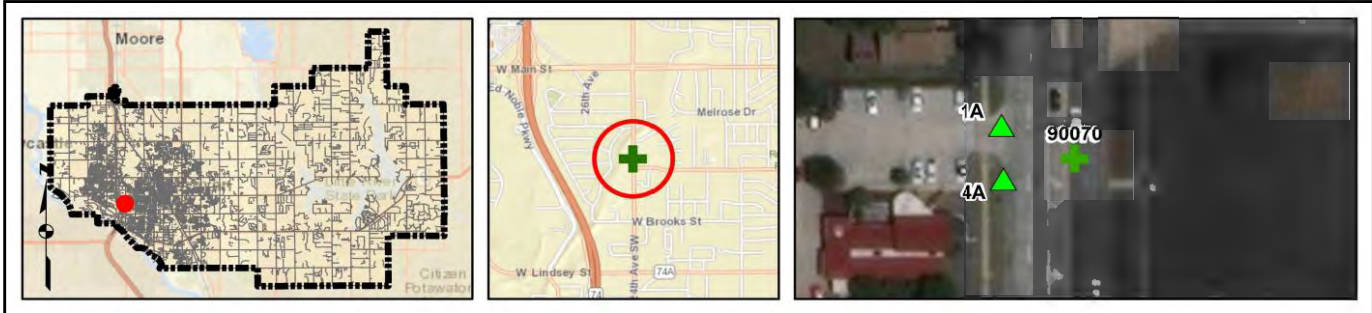
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	11	SY	\$ 50.00	\$ 550.00
ODOT 610(I)-4610	Tactile Warning Device - New	10	SF	\$ 25.00	\$ 250.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	10	SF	\$ 60.00	\$ 600.00
ODOT 619(B)-4792	Removal of Sidewalk	12	SY	\$ 12.00	\$ 144.00
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:	\$	3,544.00
Engineering: (% +/-)	15%	\$ 624.00
Contingency: (% +/-)	20%	\$ 832.00
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	
	1A	4A		
Curb ramp does not exist and is needed			Remove and replace curb ramp	
Curb ramp does not land in crosswalk				
No 4' x 4' clear space at base of curb ramp				
Curbed side is not 90° or has traversable adjacent surface				
Flare cross slope is greater than 10%				
Curb ramp running slope is greater than 8.3%		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"			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	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 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 Date: 4/30/18
 Program: ADA Self-Evaluation and Transition Plan Prepared By: CMP
 KHA No.: 061298800 Checked By: EPE

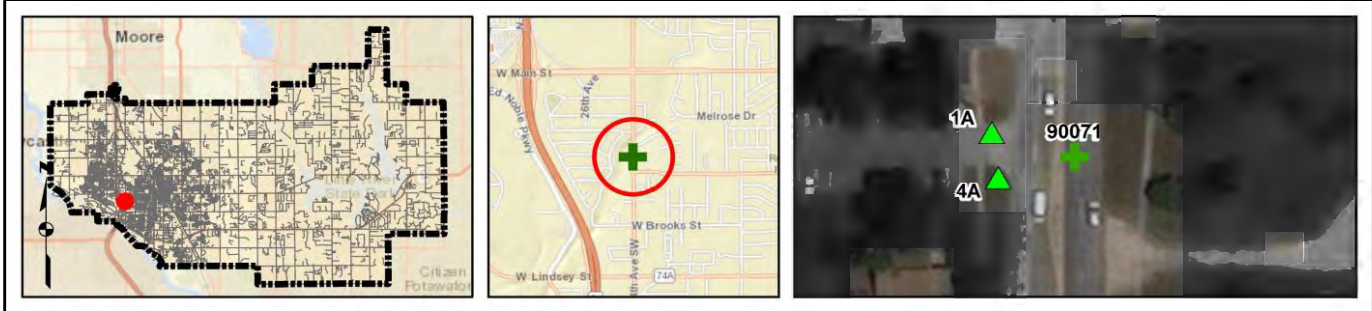
Corridor: 24th Ave SW GPS ID: 90071
 Project Name: Intersection of 24th Ave SW and driveway (Lat. 35.2124; Long. -97.4767)
 City: Norman

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	10	SF	\$ 60.00	\$ 600.00
ODOT 619(B)-4792	Removal of Sidewalk	12	SY	\$ 12.00	\$ 144.00
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

<input checked="" type="checkbox"/> No Design Completed	Subtotal: \$	3,544.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 624.00
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 832.00
	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
	1A	4A	
Curb ramp does not exist and is needed			Remove and replace curb ramp
Curb ramp does not land in crosswalk			
No 4' x 4' clear space at base of curb ramp			
Curbed side is not 90° or has traversable adjacent surface			
Flare cross slope is greater than 10%			
Curb ramp running slope is greater than 8.3%			
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	
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 1A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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. 35.2179; Long. -97.4767)
 City: Norman

GPS ID: 90072

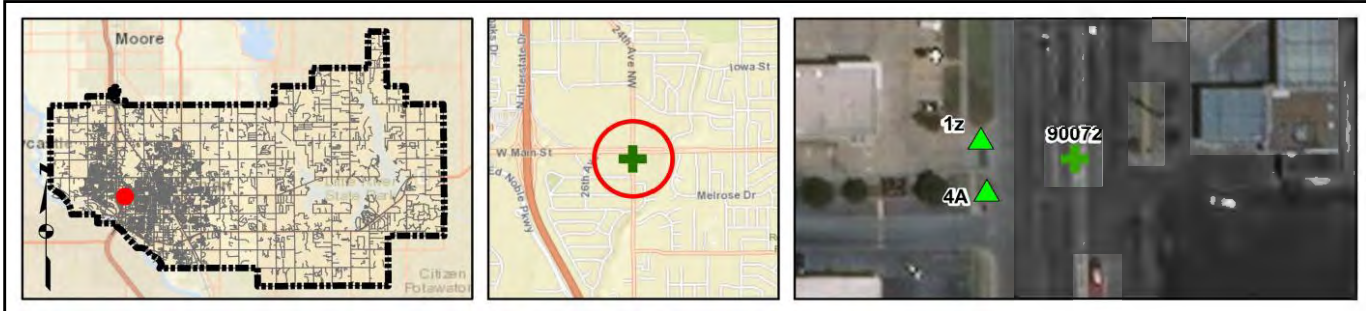
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	8	SY	\$ 50.00	\$ 400.00
ODOT 610(I)-4610	Tactile Warning Device - New	10	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	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

- No Design Completed
- Preliminary Design
- Final Design

Subtotal:	\$	3,382.00
Engineering: (% +/-)	15%	\$ 693.43
Contingency: (% +/-)	20%	\$ 924.57
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	
	1z	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		
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		
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				



Corner 1 No Ramp (1z)



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 NW
 Project Name: Intersection of 24th Ave NW and driveway (Lat. 35.219; Long. -97.4767)
 City: Norman

GPS ID: 90073

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	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:	\$	2,756.00
Engineering: (% +/-)	15%	\$ 533.14
Contingency: (% +/-)	20%	\$ 710.86
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	2z	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%				X	
Blended transition running slope is greater than 5%					
Cut-thru ramp running slope is greater than 5%					
Curb ramp cross slope is greater than 2%					
Cut-thru ramp cross slope is greater than 2%					
Curb ramp width is less than 48"					For intersection, 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	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	Remove and replace landing area
Landing area does not exist and is needed					
Landing area is less than 5' x 5' or slopes greater than 2%	X			X	
Curb ramp transition onto roadway is greater than 0.25'					
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%					
Ponding occurs at base of curb ramp					



Ramp 1A



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Kimley-Horn and Associates, Inc.

Priority: 5

Project Description for Unsignalized Intersection

Client: City of 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: 90074

Project Name: Intersection of 24th Ave NW and driveway (Lat. 35.222; Long. -97.4767)
 City: Norman

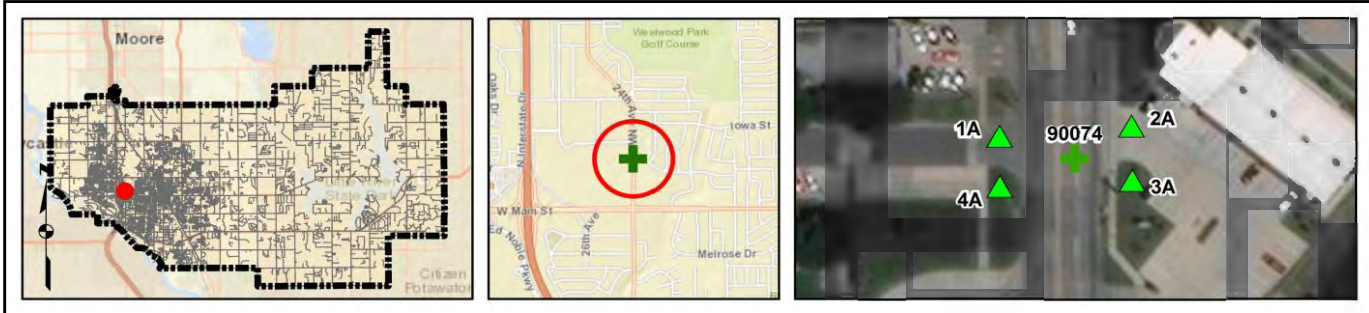
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	18	SY	\$ 50.00	\$ 900.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00	\$ 500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	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	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:	\$	1,652.00
Engineering: (% +/-)	15%	\$ 577.71
Contingency: (% +/-)	20%	\$ 770.29
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 '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					
Blended 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		
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	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



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 Date: 4/30/18
 Program: ADA Self-Evaluation and Transition Plan Prepared By: CMP
 KHA No.: 061298800 Checked By: EPE

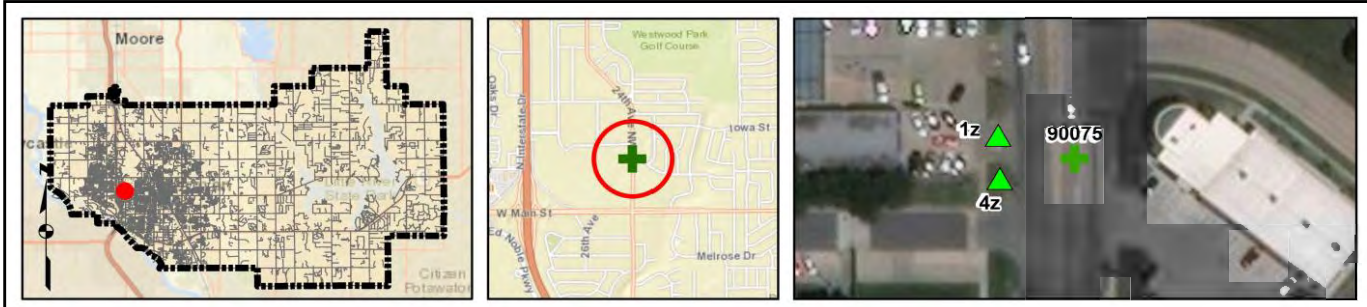
Corridor: 24th Ave NW GPS ID: 90075
 Project Name: Intersection of 24th Ave NW and driveway (Lat. 35.2221; Long. -97.4767)
 City: Norman

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	0	SY	\$ 50.00	\$ -
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	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

<input checked="" type="checkbox"/> No Design Completed	Subtotal:	\$	1,200.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15%	\$ 342.86
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20%	\$ 457.14
	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
	1z	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	
No color contrast at base of curb ramp	X	X	
Landing area does not exist and is needed			
Landing area is less than 5' x 5' or slopes greater than 2%			
Curb ramp transition onto roadway is greater than 0.25			
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%			
Ponding occurs at base of curb ramp			



Corner 1 No Ramp (1z)



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 Date: 4/30/18
 Program: ADA Self-Evaluation and Transition Plan Prepared By: CMP
 KHA No.: 061298800 Checked By: EPE

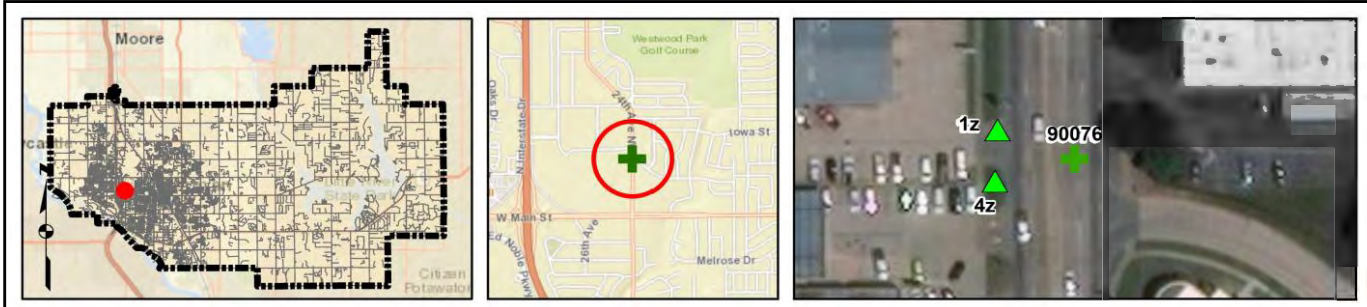
Corridor : 24th Ave NW GPS ID: 90076
 Project Name: Intersection of 24th Ave NW and driveway (Lat. 35.2225; Long. -97.4767)
 City: Norman

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	0	SY	\$ 50.00	\$ -
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	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

<input checked="" type="checkbox"/> No Design Completed	Subtotal:	\$	1,200.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15%	\$ 342.86
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20%	\$ 457.14
	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
	1z	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	
No color contrast at base of curb ramp	X	X	
Landing area does not exist and is needed			
Landing area is less than 5' x 5' or slopes greater than 2%			
Curb ramp transition onto roadway is greater than 0.25'			
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%			
Ponding occurs at base of curb ramp			



Corner 1 No Ramp (1z)



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. 35.2228; Long. -97.4766)
 City: Norman

GPS ID: 90077

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	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:	\$	4,746.00
Engineering: (% +/-)	15%	\$ 966.00
Contingency: (% +/-)	20%	\$ 1,288.00
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	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"			
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			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%			
Curb ramp transition onto roadway is greater than 0.25'	X		Fix curb ramp counter slope
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%	X		
Ponding occurs at base of curb ramp			



Ramp 1A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Client: City of Norman Date: 4/30/18
 Program: ADA Self-Evaluation and Transition Plan Prepared By: CMP
 KHA No.: 061298800 Checked By: EPE

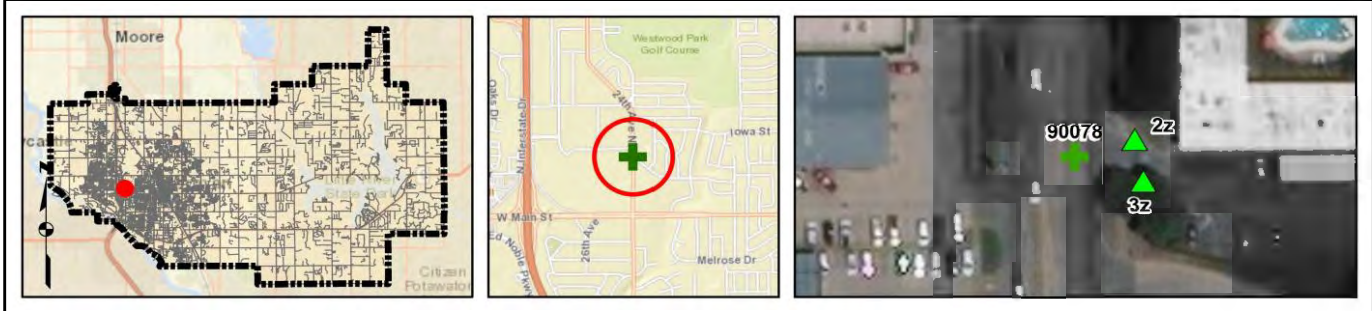
Corridor : 24th Ave NW GPS ID: 90078
 Project Name: Intersection of 24th Ave NW and driveway (Lat. 35.2226; Long. -97.4766)
 City: Norman

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	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	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

<input checked="" type="checkbox"/> No Design Completed	Subtotal: \$	1,400.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 257.14
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 342.86
	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
	2z	3z	
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			
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			For intersection, commercial driveway, and park ramps, install color truncated domes
No textured surface at base of curb ramp		X	
No color contrast at base of curb ramp		X	
Landing area does not exist and is needed			
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 2 No Ramp (2z)



Corner 3 No Ramp (3z)

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 Date: 4/30/18
 Program: ADA Self-Evaluation and Transition Plan Prepared By: CMP
 KHA No.: 061298800 Checked By: EPE

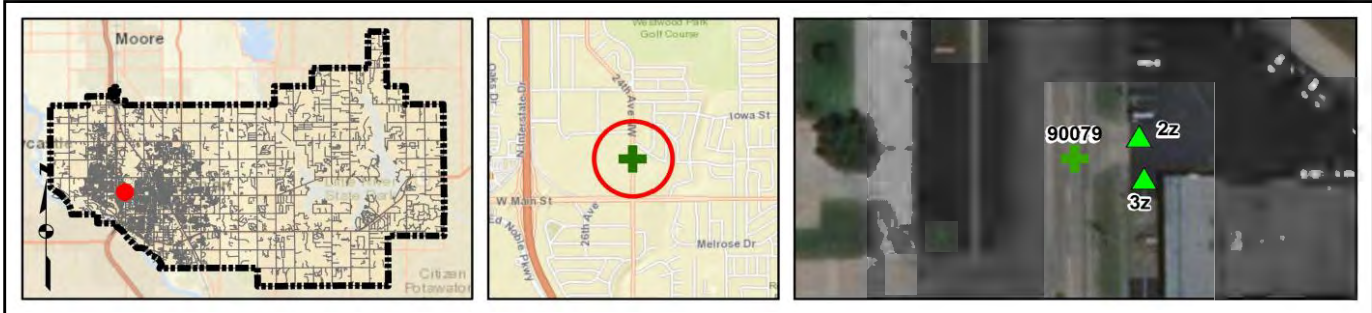
Corridor: 24th Ave NW GPS ID: 90079
 Project Name: Intersection of 24th Ave NW and driveway (Lat. 35.2213; Long. -97.4766)
 City: Norman

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	0	SY	\$ 50.00	\$ -
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	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

<input checked="" type="checkbox"/> No Design Completed	Subtotal: \$	1,200.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 342.86
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 457.14
	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
	2z	3z	
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	
No color contrast at base of curb ramp	X	X	
Landing area does not exist and is needed			
Landing area is less than 5' x 5' or slopes greater than 2%			
Curb ramp transition onto roadway is greater than 0.25			
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%			
Ponding occurs at base of curb ramp			



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)

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 driveway (Lat. 35.2203; Long. -97.4766)
 City: Norman

GPS ID: 90080

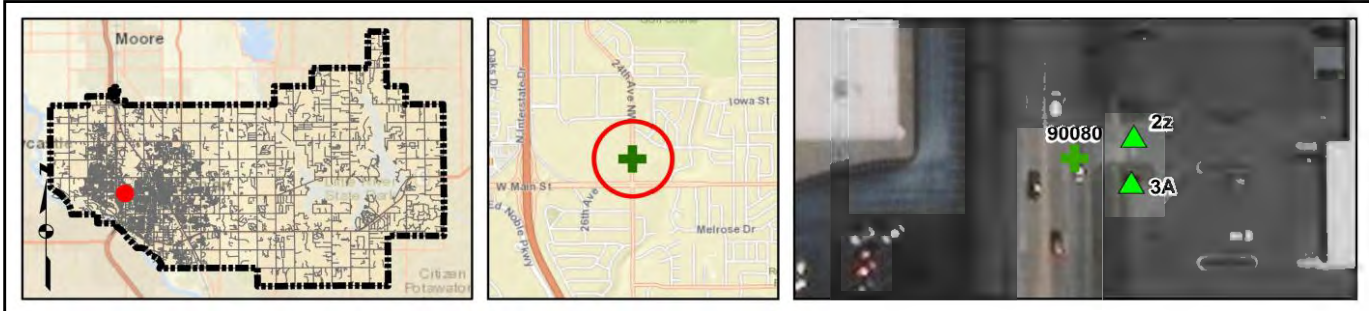
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	0	SY	\$ 50.00	\$ -
ODOT 610(I)-4610	Tactile Warning Device - New	0	SF	\$ 25.00	\$ -
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	20	SF	\$ 60.00	\$ 1,200.00
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:	\$	1,200.00
Engineering: (% +/-)	15%	\$ 342.86
Contingency: (% +/-)	20%	\$ 457.14
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
	2z	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	X	
No color contrast at base of curb ramp	X	X	
Landing area does not exist and is needed			
Landing area is less than 5' x 5' or slopes greater than 2%			
Curb ramp transition onto roadway is greater than 0.25			
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%			
Ponding occurs at base of curb ramp			



Corner 2 No Ramp (2z)



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: 24th Ave NW
 Project Name: Intersection of 24th Ave NW and driveway (Lat. 35.2199; Long. -97.4766)
 City: Norman

GPS ID: 90081

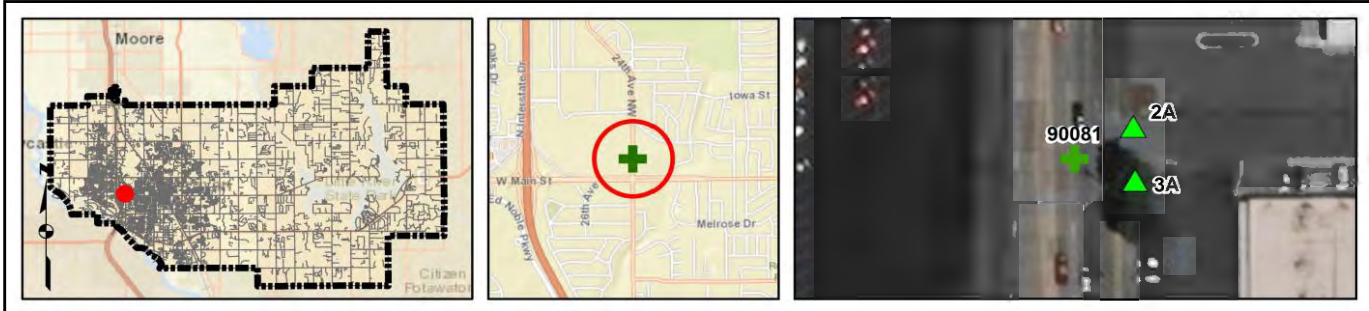
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	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	1	LS	\$ 2,000.00	\$ 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
	2A	3A	
Curb ramp does not exist and is needed			Remove and replace curb ramp
Curb ramp does not land in crosswalk			
No 4' x 4' clear space at base of curb ramp			
Curbed side is not 90° or has traversable adjacent surface			
Flare cross slope is greater than 10%			
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"			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'			
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%		X	
Ponding occurs at base of curb ramp			Fix curb ramp counter slope



Ramp 2A



Ramp 3A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Client: City of Norman Date: 4/30/18
 Program: ADA Self-Evaluation and Transition Plan Prepared By: CMP
 KHA No.: 061298800 Checked By: EPE

Corridor: 24th Ave NW GPS ID: 90082
 Project Name: Intersection of 24th Ave NW and driveway (Lat. 35.2235; Long. -97.4767)
 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	13	SY	\$ 50.00	\$ 650.00
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	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	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

<input checked="" type="checkbox"/> No Design Completed	Subtotal:	\$ 6,904.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 1,326.86
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 1,769.14
	Estimated Project Cost:	\$ 10,000.00

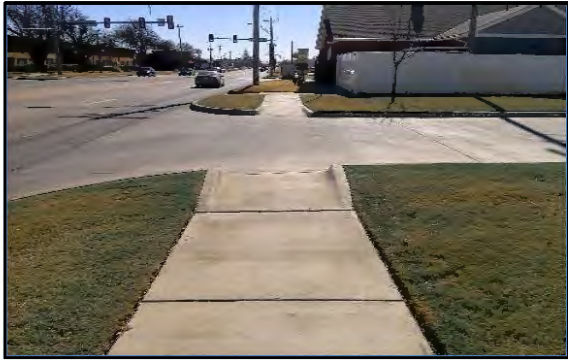
Project Location



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	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%						
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 Fix curb ramp transition
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%						
Ponding occurs at base of curb ramp						



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

Client: City of Norman Date: 4/30/18
 Program: ADA Self-Evaluation and Transition Plan Prepared By: CMP
 KHA No.: 061298800 Checked By: EPE

Corridor: 24th Ave NW GPS ID: 90083
 Project Name: Intersection of 24th Ave NW and driveway (Lat. 35.2237; Long. -97.4767)
 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	6	SY	\$ 50.00	\$ 300.00
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	6	SY	\$ 12.00	\$ 72.00
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

<input checked="" type="checkbox"/> No Design Completed	Subtotal:	\$	372.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15%	\$ 269.14
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20%	\$ 358.86
	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	4A	
Curb ramp does not exist and is needed			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			
No color contrast at base of curb ramp			
Landing area does not exist and is needed			
Landing area is less than 5' x 5' or slopes greater than 2%	X	X	
Curb ramp transition onto roadway is greater than 0.25'			
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%			
Ponding occurs at base of curb ramp			



Ramp 1A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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. 35.2238; Long. -97.4767)
 City: Norman

GPS ID: 90084

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	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:	\$	1,454.00
Engineering: (% +/-)	15%	\$ 234.00
Contingency: (% +/-)	20%	\$ 312.00
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	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%			
Blended transition running slope is greater than 5%			
Cut-thru ramp running slope is greater than 5%			
Curb ramp cross slope is greater than 2%			
Cut-thru ramp cross slope is greater than 2%			
Curb ramp width is less than 48"			
Cut-thru ramp width is less than 60"			
Permanent obstruction (>0.25') in curb ramp/landing/flares			
Temporary obstruction (>0.25') in curb ramp/landing/flares			
No textured surface at base of curb ramp			Remove and replace landing area
No color contrast at base of curb ramp			
Landing area does not exist and is needed			
Landing area is less than 5' x 5' or slopes greater than 2%	X		
Curb ramp transition onto roadway is greater than 0.25'			
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%			
Ponding occurs at base of curb ramp			



Ramp 1A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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. 35.2247; Long. -97.4767)
 City: Norman

GPS ID: 90085

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	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%			
Blended transition running slope is greater than 5%			
Cut-thru ramp running slope is greater than 5%			
Curb ramp cross slope is greater than 2%	X		
Cut-thru ramp cross slope is greater than 2%			
Curb ramp width is less than 48"	X		
Cut-thru ramp width is less than 60"			
Permanent obstruction (>0.25') in curb ramp/landing/flares			
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 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 Date: 4/30/18
 Program: ADA Self-Evaluation and Transition Plan Prepared By: CMP
 KHA No.: 061298800 Checked By: EPE

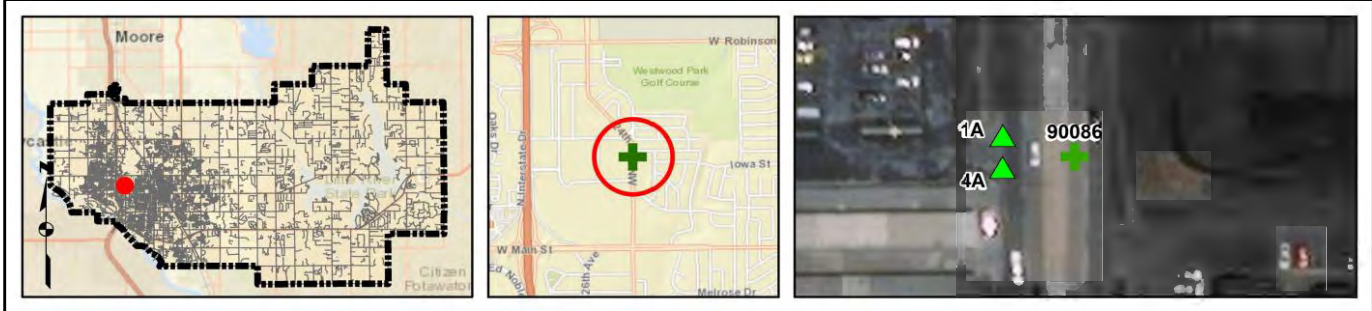
Corridor : 24th Ave NW GPS ID: 90086
 Project Name: Intersection of 24th Ave NW and driveway (Lat. 35.2249; Long. -97.4767)
 City: Norman

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	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	0	LS	\$ 2,000.00	\$ -
---	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
---	Remove Temporary Obstruction	0	LS	\$ 500.00	\$ -
---	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00	\$ -

Basis for Cost Projection

<input checked="" type="checkbox"/> No Design Completed	Subtotal: \$	1,490.00
<input type="checkbox"/> Preliminary Design	Engineering: (% +/-)	15% \$ 647.14
<input type="checkbox"/> Final Design	Contingency: (% +/-)	20% \$ 862.86
	Estimated Project Cost:	\$ 3,000.00

Project Location



Field Observations

Intersection Issues	Crosswalk				Possible Solutions
	N	E	S	W	
Path of travel pavement condition					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	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	
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			
No color contrast at base of curb ramp	X		
Landing area does not exist and is needed			
Landing area is less than 5' x 5' or slopes greater than 2%	X	X	
Curb ramp transition onto roadway is greater than 0.25			
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%			
Ponding occurs at base of curb ramp			



Ramp 1A



Ramp 4A

Opinion of Probable Construction Cost Disclaimer:

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Project Location Map Sources:

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

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. 35.227; Long. -97.4779)
 City: Norman

GPS ID: 90087

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	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:	\$	5,430.00
Engineering: (% +/-)	15%	\$ 1,101.43
Contingency: (% +/-)	20%	\$ 1,468.57
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
	1A	4A	
Curb ramp does not exist and is needed			Remove and replace curb ramp
Curb ramp does not land in crosswalk			
No 4' x 4' clear space at base of curb ramp			
Curbed side is not 90° or has traversable adjacent surface	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"			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%			
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 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
 Project Name: Intersection of 24th Ave NW and driveway (Lat. 35.2276; Long. -97.4786)
 City: Norman

GPS ID: 90088

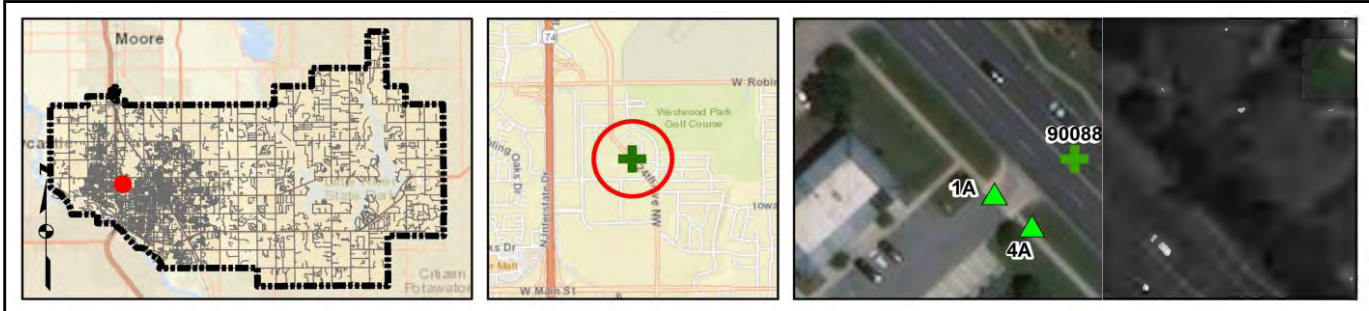
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	\$ -
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	LF	\$ 7.00	\$ -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$ 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	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
	1A	4A	
Curb ramp does not exist and is needed			Remove and replace curb ramp
Curb ramp does not land in crosswalk			
No 4' x 4' clear space at base of curb ramp			
Curbed side is not 90° or has traversable adjacent surface			
Flare cross slope is greater than 10%			
Curb ramp running slope is greater than 8.3%	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"			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		
No color contrast at base of curb ramp	X		
Landing area does not exist and is needed			
Landing area is less than 5' x 5' or slopes greater than 2%	X	X	
Curb ramp transition onto roadway is greater than 0.25'		X	
Counter slope of the gutter or street at the foot of the curb ramp is greater than 5%			
Ponding occurs at base of curb ramp			Remove and replace landing area Fix curb ramp transition