GPS ID: 90038



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)

## **Opinion of Probable Construction Cost Disclaimer:**

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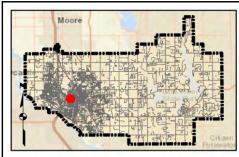
Date: 4/30/18 Prepared By: CMP Checked By: EPE City of Norman ADA Self-Evaluation and Transition Plan 061298800 Client: Program: KHA No.:

Corridor : Project Name: Citv: W Main St GPS ID: 90039 Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.4615).

Item No.	Item Description	Quantity	Unit		Unit Price	Item Cost
ODOT 202(A)-018	3 Unclassified Excavation	0	CY	\$	5.50 \$	-
ODOT 609(A)-030	0 Concrete Curb (6" Barrier-Integral)	0	LF.	ls.	7.00 \$	
ODOT 610(A)-060	2 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)-461	Tactile Warning Device - Retrofit	0	SF	<u> </u> \$	60.00 \$	-
ODOT 619(B)-479	2 Removal of Sidewalk	19	SY	\$	12.00 \$	228.00
ODOT 857(F)-800	6 Pavement Marking Removal (Traffic Stripe)	0	<u>LF</u>	\$	0.25 \$	
	Crosswalk Pavement Markings	0	<u>LF</u>	<u>  \$</u>	6.00 \$	-
	Repave Roadway	0	LS	<u>                                     </u>	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 \$	<u> </u>
	Remove Temporary Obstruction	<u> </u>	LS	\$	500.00 \$	
	Fix Curb Ramp Counter Slope	1 0	<u>i LS</u>	\$	2,000.00   \$	-
Racis for Cost Proj	ection				Subtotal: \$	5 478 00

5,478.00 1,080.86 total: \$
15% \$
20% \$ Engineering: (% +/-) Contingency: (% +/-) 1,441.14 8,000.00 Estimated Project Cost:

# Project Location







Intersection Issues	Crosswalk N E S W				Possible Solutions
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV)				
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	Curl	Ramp	p ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions		
	1A	2A				
Curb ramp does not exist and is needed						
Curb ramp does not land in crosswalk	Ī	i				
No 4' x 4' clear space at base of curb ramp	T	i				
Curbed side is not 90° or has traversable adjacent surface	Τ	T				
Flare cross slope is greater than 10%	Ī	!				
Curb ramp running slope is greater than 8.3%	X	X				
Blended transition running slope is greater than 5%	T	i				
Cut-thru ramp running slope is greater than 5%	T	Ī		Remove and replace curb ramp		
Curb ramp cross slope is greater than 2%	X	X		I some to and replace cars ramp		
Cut-thru ramp cross slope is greater than 2%	T	T				
Curb ramp width is less than 48"	T-X-	[x				
Cut-thru ramp width is less than 60"	Ī	!				
Permanent obstruction (>0.25") in curb ramp/landing/flares Temporary obstruction (>0.25") in curb ramp/landing/flares						
No textured surface at base of curb ramp	X	x		For intersection, commercial driveway, and park ramps, install		
No color contrast at base of curb ramp	X	X		color truncated domes		
Landing area does not exist and is needed	T	<b>.</b>				
Landing area is less than 5 x 5 or slopes greater than 2%	X	X		Remove and replace landing area		
Curb ramp transition onto roadway is greater than 0.25	X	X		Fix curb ramp transition		
Counter slope of the gutter or street at the foot of the curb ramp is	Ī	I				
greater than 5%	İ					
Ponding occurs at base of curb ramp	T					







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.

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

Corridor : Project Name: Citv: W Main St GPS ID: 90040 Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.461)

Norman

Item No.	Item Description	Quantity	Unit	Unit Price		Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.5	\$	-
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0 1	<u>LF</u>	İ \$ 7.0	) <b>(</b>	
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.0	) \$	750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF_	\$ 25.0	\$	500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	<u>  \$ 60.0</u>	<u>)                                    </u>	
ODOT 619(B)-4792	Removal of Sidewalk	20	SY	\$ 12.0	) \$	240.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	<u>LF</u>	\$ 0.2	5 \$	-
	Crosswalk Pavement Markings	0	<u>LF</u>	\$ 6.0	<u> </u>	
	Repave Roadway	0	LS	\$ 5,000.0	)   \$	-
	Fix Ponding	00	LS	\$ 2,000.0	) \$	-
	Fix Curb Ramp Transition	2	LS	\$ 2,000.0	\$	4,000.00
	Median Nose Modification	00	LS	\$ 5,000.0		
	Remove Temporary Obstruction	<u> </u>	<u>LS</u>	\$ 500.0		
	Fix Curb Ramp Counter Slope	1 1	LS	j\$ 2,000.0		2,000.00
Basis for Cost Proje				Subtota		7,490.00
	☑ No Design Completed				% \$	1,504.29
	Preliminary Design				% \$	2,005.71
	☐ Final Design		L	Estimated Project Cos	t: \$	11,000.00

# Project Location







Intersection Issues	Crosswalk N E S W				Possible Solutions
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All dı	iveway path o	of travel issue	s and possible	solutions provided in driveway shapefile (TRPEDDRV)
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	Curl	b Ram	p ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions
Care Namp recase	1A	2A	existing ramp)	- coolide Columbia
Curb ramp does not exist and is needed	1			
Curb ramp does not land in crosswalk	T	Ī		
No 4' x 4' clear space at base of curb ramp	T	i		
Curbed side is not 90° or has traversable adjacent surface	Ť	Ť		
Flare cross slope is greater than 10%	<b>†</b> -	ļ		
Curb ramp running slope is greater than 8.3%	†x-	X		
Blended transition running slope is greater than 5%	T	†		
Cut-thru ramp running slope is greater than 5%	T	†		Remove and replace curb ramp
Curb ramp cross slope is greater than 2%	†-X-	X		Tremove and replace outs rump
Cut-thru ramp cross slope is greater than 2%	<del></del>	†		
Curb ramp width is less than 48"	†-x-	İx	1	
Cut-thru ramp width is less than 60"	†	†		
Permanent obstruction (>0.25") in curb ramp/landing/flares	<del> </del>	†		
Temporary obstruction (>0.25") in curb ramp/landing/flares	T	İ		
No textured surface at base of curb ramp	T-X-	I_X_		For intersection, commercial driveway, and park ramps, install
No color contrast at base of curb ramp	T -X	x		color truncated domes
Landing area does not exist and is needed	T	I		
Landing area is less than 5 x 5 or slopes greater than 2%	1 X	I - X		Remove and replace landing area
Curb ramp transition onto roadway is greater than 0.25	X	<u>.                                     </u>		Fix curb ramp transition
Counter slope of the gutter or street at the foot of the curb ramp is	Х	1		Fix curb ramp counter slope
greater than 5%	1	i i		l ' '
Ponding occurs at base of curb ramp	T	†		







Ramp 2A

## **Opinion of Probable Construction Cost Disclaimer:**

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

Corridor : Project Name: Citv: GPS ID: 90041 Intersection of W Main St and driveway (Lat. 35.2185; Long. -97.4606). W Main St

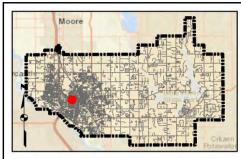
Item No.	Item Description	Quantity	Unit		Unit Price	Item Cost
ODOT 202(A)-018	3 Unclassified Excavation	0	CY	\$	5.50 \$	-
ODOT 609(A)-030	0 Concrete Curb (6" Barrier-Integral)	l 0	LF	ls	7.00 \$	
ODOT 610(A)-060	2 4" Concrete Sidewalk	15	SY	\$	50.00 \$	750.00
ODOT 610(I)-461	Tactile Warning Device - New	20	SF	\$	25.00 \$	500.00
ODOT 610(I)-461	5 Tactile Warning Device - Retrofit	0	SF	\$	60.00 \$	
ODOT 619(B)-479	2 Removal of Sidewalk	19	SY	\$	12.00 \$	228.00
ODOT 857(F)-800	6 Pavement Marking Removal (Traffic Stripe)	0	LF	\$	0.25 \$	
	Crosswalk Pavement Markings	0	LF	<u> </u> \$	6.00 \$	-
	Repave Roadway	l 0	LS	İ\$	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 \$	<u> </u>
	Remove Temporary Obstruction	<u> </u>	LŞ	\$	500.00 \$	
	Fix Curb Ramp Counter Slope	<u> </u>	LS	\$	2,000.00   \$	-
Racis for Cost Proj	ection				Subtotal: \$	3 478 00

Cost Projection

Mo Design Completed
Preliminary Design
Final Design

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

# Project Location







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

	Curl	b Ramp	ID ('z' or 'i' in ramp label indicates no	
Curb Ramp Issues			existing ramp)	Possible Solutions
	1A	2A		
Curb ramp does not exist and is needed				
Curb ramp does not land in crosswalk	T	Ī		
No 4' x 4' clear space at base of curb ramp	T	†		
Curbed side is not 90° or has traversable adjacent surface	T	IX		
Flare cross slope is greater than 10%	†	ļ		
Curb ramp running slope is greater than 8.3%	†	†		
Blended transition running slope is greater than 5%	<b>†</b>	†		
Cut-thru ramp running slope is greater than 5%	T	†		Remove and replace curb ramp
Curb ramp cross slope is greater than 2%	†x	x		Tremove and replace curb famp
Cut-thru ramp cross slope is greater than 2%	<del>†</del>	†		
Curb ramp width is less than 48"	†x	İx		
Cut-thru ramp width is less than 60"	<del> </del>	†		
Permanent obstruction (>0.25") in curb ramp/landing/flares	†x	†		
Temporary obstruction (>0.25") in curb ramp/landing/flares	T	I		
No textured surface at base of curb ramp	I X	X		For intersection, commercial driveway, and park ramps, install
No color contrast at base of curb ramp	T-x-	Ix		color truncated domes
Landing area does not exist and is needed	I			Process and an investment of the second of t
Landing area is less than 5 x 5 or slopes greater than 2%	1 ×	<u> </u>		Remove and replace landing area
Curb ramp transition onto roadway is greater than 0.25	X	ļ		FIX CUID TAIND TRANSITION
Counter slope of the gutter or street at the foot of the curb ramp is	1			
greater than 5%	<u> </u>	İ		
Ponding occurs at base of curb ramp	T	Ī		







Ramp 2A

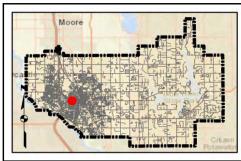
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Date: 4/30/18 Prepared By: CMP Checked By: EPE City of Norman ADA Self-Evaluation and Transition Plan 061298800 Client: Program: KHA No.:

Corridor : Project Name: Citv: W Main St GPS ID: 90042 Intersection of W Main St and driveway (Lat. 35,2185; Long. -97,4603)

Item No.	Item Description	Quantity	Unit	Unit Pri	ce	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$	5.50 \$	-
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	<u> </u>	<u>LF</u>	i s	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	<u> </u> \$	25.00 \$	500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	l 0	SF	<u>  \$</u>	60.00 \$	-
ODOT 619(B)-4792	Removal of Sidewalk	17	SY	İ \$	12.00 \$	204.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	<u>LF</u>	I \$	0.25 \$	-
	Crosswalk Pavement Markings	<u>l</u> 0	<u>LF</u>	! \$	6.00 \$	-
	Repave Roadway	l 0	LS	<u>                                     </u>	5,000.00 \$	-
	Fix Ponding	0	LS	<u> </u>	2,000.00 \$	-
	Fix Curb Ramp Transition	2	LS	<u> </u>	2,000.00 \$	4,000.00
	Median Nose Modification	0	LS	<u> </u> \$	5,000.00 \$	
	Remove Temporary Obstruction	<u> </u>	LS	<u>  \$</u>	500.00 \$	
	Fix Curb Ramp Counter Slope	1 0	<u>LS</u>	•	2,000.00   \$	-
Basis for Cost Proje					Subtotal: \$	5,454.00
	✓ No Design Completed			Engineering: (% +/-)	15% \$	1,091.14
	□ Preliminary Design			Contingency: (% +/-)	20% \$	1,454.86
	☐ Final Design			Estimated Proje	ect Cost: \$	8,000.00

# Project Location







Intersection Issues	N	Cros E	swalk S	W	Possible Solutions
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All dı	iveway path o	of travel issue	s and possible	solutions provided in driveway shapefile (TRPEDDRV)
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	Curl	o Ram	o ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions		
	1A	2A	0 17			
Curb ramp does not exist and is needed	1					
Curb ramp does not land in crosswalk	†	†				
No 4' x 4' clear space at base of curb ramp	T	i				
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%	T X	†				
Blended transition running slope is greater than 5%	<del>†</del>	†				
Cut-thru ramp running slope is greater than 5%	<b>†</b> -	†		Remove and replace curb ramp		
Curb ramp cross slope is greater than 2%	T X	X		Themove and replace curb ramp		
Cut-thru ramp cross slope is greater than 2%	<del> </del>	t				
Curb ramp width is less than 48"	†	†				
Cut-thru ramp width is less than 60"	<del> </del>	†	1			
Permanent obstruction (>0.25") in curb ramp/landing/flares	<del> </del>	x				
Temporary obstruction (>0.25") in curb ramp/landing/flares	<b>†</b>	ļ				
No textured surface at base of curb ramp	T-X-	x		For intersection, commercial driveway, and park ramps, install		
No color contrast at base of curb ramp	T-x-	Ix		color truncated domes		
Landing area does not exist and is needed	<del> </del>	ļ				
Landing area is less than 5 x 5 or slopes greater than 2%	T	×		Remove and replace landing area		
Curb ramp transition onto roadway is greater than 0.25	T-X-	X_		Fix curb ramp transition		
Counter slope of the gutter or street at the foot of the curb ramp is		l				
greater than 5%	1					
Ponding occurs at base of curb ramp	<del></del>	†				







Ramp 2A

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

Corridor : Project Name: Citv: W Main St GPS ID: 90043 Intersection of W Main St and driveway (Lat. 35,2184; Long. -97,4597)

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	<u>LF</u>	l \$ 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	<u>20</u>	SF	<u>  \$ 60.</u>	00   \$	1,200.00
ODOT 619(B)-4792	Removal of Sidewalk	00	SY	\$ 12.	00   \$	
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	<u>LF</u>	<u> </u>	25 \$	
	Crosswalk Pavement Markings	. 0	<u>LF</u>	! \$ 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.		
	Remove Temporary Obstruction	<u> </u>	LS		00 \$	
	Fix Curb Ramp Counter Slope	1 0	<u>LS</u>	į\$ 2,000.	00   \$	-
Basis for Cost Proje				Subto		1,200.00
	✓ No Design Completed				5% \$	342.86
	□ Preliminary Design		C		0% \$	457.14
	☐ Final Design			Estimated Project Co	st: \$	2,000.00
	-					

# Project Location







Intersection Issues	N	Cros E	swalk S	W	Possible Solutions
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All d	riveway path	of travel issue	es and possible	e solutions provided in driveway shapefile (TRPEDDRV)
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	Curl	Ramp I	D ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions
Curb Ramp issues	1 <i>z</i>	2z	existing ramp)	Fossible Solutions
Curb ramp does not exist and is needed	ı			
Curb ramp does not land in crosswalk	<del></del>			
No 4' x 4' clear space at base of curb ramp				
Curbed side is not 90° or has traversable adjacent surface	Ť	ii		
Flare cross slope is greater than 10%				
Curb ramp running slope is greater than 8.3%	-†	<b>!</b>		
Blended transition running slope is greater than 5%	-†	<b>!</b>		
Cut-thru ramp running slope is greater than 5%		<u> </u>		
Curb ramp cross slope is greater than 2%		i		
Cut-thru ramp cross slope is greater than 2%				
Curb ramp width is less than 48"	-†	ii		
Cut-thru ramp width is less than 60"		<b> </b>		
Permanent obstruction (>0.25") in curb ramp/landing/flares		<b> </b>		
Temporary obstruction (>0.25") in curb ramp/landing/flares				
No textured surface at base of curb ramp	T X	X		For intersection, commercial driveway, and park ramps, inst
No color contrast at base of curb ramp	† ×	X		color truncated domes
Landing area does not exist and is needed	<del></del>			
Landing area is less than 5 x 5 or slopes greater than 2%	1			
Curb ramp transition onto roadway is greater than 0.25	T	[ <u>-</u>		
Counter slope of the gutter or street at the foot of the curb ramp is	T			
greater than 5%	1			
Ponding occurs at base of curb ramp	-+	t		



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)

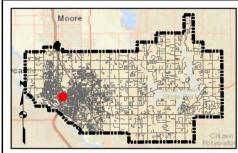
The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only 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.

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

Corridor : Project Name: Citv: GPS ID: 90044 W Main St Intersection of W Main St and driveway (Lat. 35,2184; Long. -97,4762)

Item No.	Item Description	Quantity	Unit	Unit P	rice	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$	5.50 \$	-
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	<u> </u>	<u>L</u> F	l s	7.00 İ \$	
ODOT 610(A)-0602	4" Concrete Sidewalk	<u> </u>	SY	\$	50.00 \$	550.00
	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	<u>LF</u>	! \$	6.00 \$	-
	Repave Roadway	0	LS LS	İ \$	5,000.00 \$	-
	Fix Ponding	0	LS	\$	2,000.00 \$	-
	Fix Curb Ramp Transition	0	LS	\$	2,000.00 \$	-
	Median Nose Modification	0	LS LS	<u>  \$                                   </u>	5,000.00 \$	-
	Remove Temporary Obstruction	<u> </u>	LS	<u> </u>	500.00 \$	<u>-</u>
	Fix Curb Ramp Counter Slope	1 0	<u>i</u> LS	\$	2,000.00   \$	-
Basis for Cost Proje					Subtotal: \$	1,532.00
	☑ No Design Completed			ineering: (% +/-)	15% \$	629.14
	☐ Preliminary Design		Cor	tingency: (% +/-)	20% \$	838.86
	☐ Final Design			Estimated Pro	ject Cost: \$	3,000.00

# Project Location







Intersection Issues	Crosswalk N E S W				Possible Solutions
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All d	riveway path (	of travel issue	es and possible	e solutions provided in driveway shapefile (TRPEDDRV)
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	Curl	b Ramı	p ID ('z' or 'i' in ramp label indicates no	Possible Solutions		
Out Namp 1550es		4A	existing ramp)	Possible Solutions		
Curb ramp does not exist and is needed	1					
Curb ramp does not land in crosswalk	†	†				
No 4' x 4' clear space at base of curb ramp	<b>T</b> -	†				
Curbed side is not 90° or has traversable adjacent surface	Ť	†				
Flare cross slope is greater than 10%	<del> </del>	X				
Curb ramp running slope is greater than 8.3%	†	x-				
Blended transition running slope is greater than 5%	<del> </del>	†				
Cut-thru ramp running slope is greater than 5%	<del>†</del>	t	1	Remove and replace curb ramp		
Curb ramp cross slope is greater than 2%	†	<del>  x</del>		Remove and replace curb ramp		
Cut-thru ramp cross slope is greater than 2%	<del> </del>	†				
Curb ramp width is less than 48"	†	†				
Cut-thru ramp width is less than 60"	<del> </del>	t				
Permanent obstruction (>0.25") in curb ramp/landing/flares	<del></del>	†				
Temporary obstruction (>0.25") in curb ramp/landing/flares	<del> </del>	†		!		
No textured surface at base of curb ramp	T-X-	x		For intersection, commercial driveway, and park ramps, install		
No color contrast at base of curb ramp	T-x-	Ix-		color truncated domes		
Landing area does not exist and is needed	<b>†</b>	† <u>-</u>				
Landing area is less than 5 x 5 or slopes greater than 2%	T-X-	İ		Remove and replace landing area		
Curb ramp transition onto roadway is greater than 0.25	T	I				
Counter slope of the gutter or street at the foot of the curb ramp is	T	Ī				
greater than 5%	1	i				
Ponding occurs at base of curb ramp	<del></del>	†				







Ramp 4A

## **Opinion of Probable Construction Cost Disclaimer:**

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

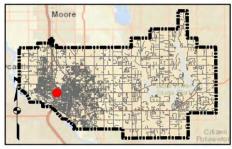
Corridor : Project Name: Citv: GPS ID: 90045 Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.4759). W Main St

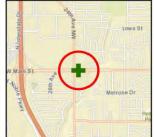
Item No.	Item Description	Quantity	Unit		Unit Price	Item Cost
ODOT 202(A)-0183	3 Unclassified Excavation	0	CY	\$	5.50 \$	-
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	<u> </u>	<u>L</u> F	İ\$	7.00 \$	
ODOT 610(A)-0602	2 4" Concrete Sidewalk	22	SY		50.00 \$	1,100.00
ODOT 610(I)-4610	Tactile Warning Device - New	30	SF	\$	25.00 \$	750.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	10	SF	<u>  \$</u>	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 1	LF	<u> </u>	0.25 \$	-
	Crosswalk Pavement Markings	0 1	LF	<u>  \$</u>	6.00 \$	
	Repave Roadway	1 0 1	LS	<u>  \$</u>	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	<u>  \$</u>	500.00 \$	
	Fix Curb Ramp Counter Slope	<u> </u>	LS	\$	2,000.00   \$	-
Basis for Cost Proje	ection				Subtotal: \$	4,834.00

No Design Completed
 Preliminary Design
 Final Design

Engineering: (% +/-) 15%
Contingency: (% +/-) 20%
Estimated Project Cost: 15% \$ 20% \$ 928.29 1,237.71 **7,000.00** 

# Project Location







Intersection Issues	N	Cros	swalk	14/	Possible Solutions
Path of travel pavement condition	N	E	<u> </u>	W	
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control					
approaches	All d	riveway path o	of travel issue	es and possible	e solutions provided in driveway shapefile (TRPEDDRV)
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	Curk	Ramp			n ramp label indicates no g ramp)	Possible Solutions		
Out trainp issues	1A	2A	3A	4A	g ramp)	1 OSSIDIC COIDIOTIS		
Curb ramp does not exist and is needed	1	<u> </u>						
Curb ramp does not land in crosswalk	<del>-  </del>	i	·	i				
No 4' x 4' clear space at base of curb ramp		i		i	1			
Curbed side is not 90° or has traversable adjacent surface	Ť	Ĭ		Í				
Flare cross slope is greater than 10%	T	ļ			1			
Curb ramp running slope is greater than 8.3%	- <del> </del>	i	X					
Blended transition running slope is greater than 5%		i		i				
Cut-thru ramp running slope is greater than 5%	T	ļ			1	Remove and replace curb ramp		
Curb ramp cross slope is greater than 2%	<del></del>	x		x	1	Tremove and replace curb ramp		
Cut-thru ramp cross slope is greater than 2%	<del></del>	†		!				
Curb ramp width is less than 48"	- <del>†</del>	İ	i	İ	1			
Cut-thru ramp width is less than 60"		!						
Permanent obstruction (>0.25") in curb ramp/landing/flares	<b></b>	X	X					
Temporary obstruction (>0.25") in curb ramp/landing/flares		ļ,	Ļ					
No textured surface at base of curb ramp	<del></del>	<u> </u>	<u> </u>	<u> </u>		For intersection, commercial driveway, and park ramps, install color truncated domes		
No color contrast at base of curb ramp Landing area does not exist and is needed		<b> </b> ^	L-^-					
Landing area is less than 5" x 5" or slopes greater than 2%		ļ	Ly	<del>x</del>		Remove and reptace landing area		
Curb ramp transition onto roadway is greater than 0.25	-+	<b> </b>	├- <del>-</del>			Fix curb ramp transition		
Counter slope of the gutter or street at the foot of the curb ramp is	-+	<del> </del> -	<u> </u>	<del> </del>				
greater than 5%	-							
Ponding occurs at base of curb ramp		ļ	Ļ	ļ				

Kimley-Horn and Associates, Inc. Photographs GPS ID:



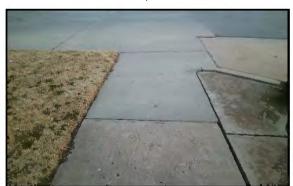
Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

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

Corridor : Project Name: Citv: W Main St GPS ID: 90046 Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.4739)

Item No.	Item Description	Quantity	Unit	: Unit P	rice	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	. 0	CY	<u>\$</u>	5.50 \$	-
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	I 0	<u>LF</u>	İs	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	1 0	SF.	<u>  \$</u>	60.00 \$	<u>-</u>
ODOT 619(B)-4792	Removal of Sidewalk	23	SY	\$	12.00 \$	276.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	00	<u>LF</u>	\$	0.25 \$	
	Crosswalk Pavement Markings	0	<u>LF</u>	<u></u> \$	6.00 \$	
	Repave Roadway	00	LS		5,000.00 \$	
	Fix Ponding	<u> </u>	LS	İ\$	2,000.00 \$	-
	Fix Curb Ramp Transition	2	LS	\$	2,000.00 \$	4,000.00
	Median Nose Modification	00	LS	<u> </u>	5,000.00 \$	
	Remove Temporary Obstruction	<u> </u>	LS		500.00 \$	
	Fix Curb Ramp Counter Slope	1 0	<u>LS</u>	\$	2,000.00   \$	-
Basis for Cost Proje					Subtotal: \$	5,526.00
	☑ No Design Completed			Engineering: (% +/-)	15% \$	1,060.29
	Preliminary Design			Contingency: (% +/-)	20% \$	1,413.71
	☐ Final Design		L	Estimated Pro	oject Cost: \$	8,000.00

# Project Location







Intersection Issues	N	Cros E	swalk S	W	Possible Solutions
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All dı	riveway path o	of travel issue	s and possible	solutions provided in driveway shapefile (TRPEDDRV)
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	Curl	Ram	p ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions
out Namp 155465	ЗА	4A	existing ramp)	1 coolide columnia
Curb ramp does not exist and is needed				
Curb ramp does not land in crosswalk	T	i		
No 4' x 4' clear space at base of curb ramp	T	i		
Curbed side is not 90° or has traversable adjacent surface	Ť	Ī		
Flare cross slope is greater than 10%	<b>†</b> -			
Curb ramp running slope is greater than 8.3%	<b>†</b> -	i		
Blended transition running slope is greater than 5%	T	!		
Cut-thru ramp running slope is greater than 5%	<b>†</b> -	!		Remove and replace curb ramp
Curb ramp cross slope is greater than 2%	T X	X		Internove and replace curb ramp
Cut-thru ramp cross slope is greater than 2%	<del> </del>	i		
Curb ramp width is less than 48"	†	İ		
Cut-thru ramp width is less than 60"	<del> </del>	<b>!</b>		
Permanent obstruction (>0.25") in curb ramp/landing/flares	<del></del>			
Temporary obstruction (>0.25") in curb ramp/landing/flares	<b>†</b> -	!		
No textured surface at base of curb ramp	T-X-	x		For intersection, commercial driveway, and park ramps, install
No color contrast at base of curb ramp	T-x-	X		color truncated domes
Landing area does not exist and is needed	T			
Landing area is less than 5 x 5 or slopes greater than 2%	T-x-	X		Remove and replace landing area
Curb ramp transition onto roadway is greater than 0.25	T-X-	X-		Fix curb ramp transition
Counter slope of the gutter or street at the foot of the curb ramp is		l		
greater than 5%	İ	l		
Ponding occurs at base of curb ramp	<del> </del>	!		







Ramp 4A

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

Corridor : Project Name: Citv: W Main St GPS ID: 90047 Intersection of W Main St and driveway (Lat. 35.2185; Long. -97.4734)

Item No.	Item Description	Quantity	Unit	Unit Pri	се	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	<u> </u>	5.50 \$	-
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	l o	LF	l s	7.00 \$	
	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	! <b>\$</b>	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	<u>LF</u>	! \$	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	<u>  \$</u>	5,000.00 \$	
	Remove Temporary Obstruction	0	LS	<u> </u>	500.00 \$	
	Fix Curb Ramp Counter Slope	1 0	LS	\$	2,000.00   \$	-
Basis for Cost Proje					Subtotal: \$	3,370.00
	✓ No Design Completed			gineering: (% +/-)	15% \$	698.57
	□ Preliminary Design		Co	ntingency: (% +/-)	20% \$	931.43
	☐ Final Design			Estimated Proj	ect Cost: \$	5,000.00

# Project Location







Intersection Issues	Crosswalk N E S W				Possible Solutions
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All d	riveway path (	of travel issue	es and possible	e solutions provided in driveway shapefile (TRPEDDRV)
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	Curl	Ram	p ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions		
care namp recase	ЗА	4A	Constant Famp)	. 555,0,0 55,0,0,0		
Curb ramp does not exist and is needed	1					
Curb ramp does not land in crosswalk	Ť	i				
No 4' x 4' clear space at base of curb ramp	T	i				
Curbed side is not 90° or has traversable adjacent surface	Ť	Ī				
Flare cross slope is greater than 10%	†	!				
Curb ramp running slope is greater than 8.3%	<b>†</b> -	X				
Blended transition running slope is greater than 5%	<b>†</b> -	i				
Cut-thru ramp running slope is greater than 5%	Ť	!		Remove and replace curb ramp		
Curb ramp cross slope is greater than 2%	†	X		Internove and replace curb ramp		
Cut-thru ramp cross slope is greater than 2%	<del>†</del>	i				
Curb ramp width is less than 48"	†	x	1			
Cut-thru ramp width is less than 60"	<del> </del>	<del> </del>				
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	T-x-	x		For intersection, commercial driveway, and park ramps, install		
No color contrast at base of curb ramp	T-x-	X		color truncated domes		
Landing area does not exist and is needed	T					
Landing area is less than 5 x 5 or slopes greater than 2%	T	X		Remove and replace landing area		
Curb ramp transition onto roadway is greater than 0.25	T	X_		Fix curb ramp transition		
Counter slope of the gutter or street at the foot of the curb ramp is		ļ				
greater than 5%	İ	i				
Ponding occurs at base of curb ramp	<del> </del>	<u> </u>				







Ramp 4A

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

Corridor : Project Name: Citv: W Main St GPS ID: 90048 Intersection of W Main St and driveway (Lat. 35,2185; Long. -97,4732)

Item No.	Item Description	Quantity	Unit	Unit Pri	ce	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$	5.50 \$	-
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	<u> </u>	<u>LF</u>	İ \$	7.00 İ \$	-
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	l 0	SF	l \$	60.00 \$	-
ODOT 619(B)-4792	Removal of Sidewalk	15	SY	İ \$	12.00 \$	180.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	I \$	0.25 \$	-
	Crosswalk Pavement Markings	<u>l</u> 0	<u>LF</u>	! \$	6.00 \$	-
	Repave Roadway	l 0	LS	I \$	5,000.00 \$	-
	Fix Ponding	0	LS	i \$i	2,000.00 \$	-
	Fix Curb Ramp Transition	2	LS	<u>                                     </u>	2,000.00 \$	4,000.00
	Median Nose Modification	0	LS	<u> </u> \$	5,000.00 \$	
	Remove Temporary Obstruction	<u> </u>	LS	<u>  \$</u>	500.00 \$	-
	Fix Curb Ramp Counter Slope	1 0	LS		2,000.00   \$	-
Basis for Cost Proje					Subtotal: \$	5,430.00
	✓ No Design Completed			Engineering: (% +/-)	15% \$	1,101.43
	□ Preliminary Design			Contingency: (% +/-)	20% \$	1,468.57
	☐ Final Design		L	Estimated Proje	ect Cost: \$	8,000.00

# Project Location







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

0.1.8	Curl	b Ramı	o ID ('z' or 'i' in ramp label indicates no	Describe Out Garage		
Curb Ramp Issues	2.4	4A	existing ramp)	Possible Solutions		
Curb ramp does not exist and is needed	3A	4A				
Curb ramp does not land in crosswalk	-+	<del> </del>				
No 4' x 4' clear space at base of curb ramp	-+	<del> </del>				
Curbed side is not 90° or has traversable adjacent surface	- <del>+</del>	<del> </del>				
Flare cross slope is greater than 10%	-+	<del> </del>				
Curb ramp running slope is greater than 8.3%	-+	<del> x</del>				
Blended transition running slope is greater than 5%	-+	<del> </del>				
Cut-thru ramp running slope is greater than 5%	-+	<del> </del>				
Curb ramp cross slope is greater than 2%	-+	<del> </del>		Remove and replace curb ramp		
Cut-thru ramp cross slope is greater than 2%	-+	<del> </del>				
Curb ramp width is less than 48"	-+	<del> </del> -				
Cut-thru ramp width is less than 60"	-+	<del> </del>				
Permanent obstruction (>0.25") in curb ramp/landing/flares	-+	<del> </del>				
Temporary obstruction (>0.25") in curb ramp/tanding/flares	-+	<del> </del>				
No textured surface at base of curb ramp	- <del>+x</del>	<del> </del> x		For intersection, commercial driveway, and park ramps, insta		
No color contrast at base of curb ramp	<del>-+-x-</del>	<del> x-</del> -		color truncated domes		
Landing area does not exist and is needed	-+	<del> </del>				
Landing area is less than 5' x 5' or slopes greater than 2%	-†	†				
Curb ramp transition onto roadway is greater than 0.25	<del>  x</del>	†x		Fix curb ramp transition		
Counter slope of the gutter or street at the foot of the curb ramp is	<del></del>	t				
greater than 5%	-	1				
Ponding occurs at base of curb ramp	-+	†				







Ramp 4A

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

Item No.	Item Description	Quantity	Unit		Unit Price	Item Cost
ODOT 202(A)-01	83 Unclassified Excavation	0	CY	\$	5.50 \$	
ODOT 609(A)-030	00 Concrete Curb (6" Barrier-Integral)	I 0 I	LF	İ\$	7.00 \$	
ODOT 610(A)-060	02 4" Concrete Sidewalk	8 <u>i</u>	SY		50.00 \$	400.00
ODOT 610(I)-461	10 Tactile Warning Device - New	10	SF	\$	25.00 \$	250.00
ODOT 610(I)-461	15 Tactile Warning Device - Retrofit	10	SF	<u>l \$</u>	60.00 \$	600.00
ODOT 619(B)-479	92 Removal of Sidewalk	8	SY		12.00 \$	96.00
ODOT 857(F)-800	06 Pavement Marking Removal (Traffic Stripe)	l0l	<u>LF</u>	<u> </u>	0.25 \$	<u> </u>
	Crosswalk Pavement Markings	0 1	LF	<u>! s</u>	6.00 \$	<u>-</u>
	Repave Roadway	0 1	LS	İ\$	5,000.00 \$	<u> </u>
	Fix Ponding	0 1	LS	\$	2,000.00 \$	-
	Fix Curb Ramp Transition	2	LS		2,000.00 \$	4,000.00
	Median Nose Modification	0	LS	<u>  \$</u>	5,000.00 \$	
	Remove Temporary Obstruction	0	LS	<u>  \$</u>	500.00 \$	
	Fix Curb Ramp Counter Slope	1 0 1	LS	1\$	2,000.00   \$	-
Basis for Cost Pro	niection				Subtotal: \$	5 346 00

No Design Completed
 Preliminary Design
 Final Design

Engineering: (% +/-) 15% \$ 1,137.43
Contingency: (% +/-) 20% \$ 1,516.57
Estimated Project Cost: \$ 8,000.00

# Project Location







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

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







Ramp 4A

## **Opinion of Probable Construction Cost Disclaimer:**

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

Corridor : Project Name: Citv: W Main St GPS ID: 90050 Intersection of W Main St and driveway (Lat. 35,2184; Long. -97,4721)

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)	1 o 1	<u>LF</u>	1 \$ 7.00 1	\$
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	3 750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00	\$ 500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	l 0 l	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	l 0 l	LF	\$ 6.00	\$
	Repave Roadway	1 0 1	LS	\$ 5,000.00	\$
	Fix Ponding	0 1	LS	\$ 2,000.00	\$
	Fix Curb Ramp Transition		LS	\$ 2,000.00	4,000.00
	Median Nose Modification	0	LS	\$ 5,000.00	\$
	Remove Temporary Obstruction	<u> </u>	LS	\$ 500.00	\$ <del>-</del>
	Fix Curb Ramp Counter Slope	1 0 1	LS	j\$ 2,000.00 j\$	*

Basis for Cost Projection

No Design Completed
Preliminary Design
Final Design

Subtotal: \$ 15% \$ 20% \$ 5,430.00 1,101.43 1,468.57 Engineering: (% +/-) Contingency: (% +/-) Estimated Proj 8,000.00

# Project Location







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

	Curl	o Ramp	p ID ('z' or 'i' in ramp label indicates no	
Curb Ramp Issues			existing ramp)	Possible Solutions
	3A	4A		
Curb ramp does not exist and is needed	1			
Curb ramp does not land in crosswalk	Ť	i		
No 4' x 4' clear space at base of curb ramp	†	t		
Curbed side is not 90° or has traversable adjacent surface	Ť	Ī		
Flare cross slope is greater than 10%	†	!		
Curb ramp running slope is greater than 8.3%	T-X-	†		
Blended transition running slope is greater than 5%	<b>†</b> -	†		
Cut-thru ramp running slope is greater than 5%	<del></del>	†		Remove and replace curb ramp
Curb ramp cross slope is greater than 2%	† X	X		Internove and replace curb ramp
Cut-thru ramp cross slope is greater than 2%	<del>†</del>	t		
Curb ramp width is less than 48"	†	†		
Cut-thru ramp width is less than 60"	<b>†</b> -	†	1	
Permanent obstruction (>0.25") in curb ramp/landing/flares	+ ×	<b>!</b>		
Temporary obstruction (>0.25") in curb ramp/landing/flares	†	ļ		
No textured surface at base of curb ramp	T-x-	x		For intersection, commercial driveway, and park ramps, install
No color contrast at base of curb ramp	T-x-	Ix		color truncated domes
Landing area does not exist and is needed	T	!		[
Landing area is less than 5 x 5 or slopes greater than 2%	T	I		
Curb ramp transition onto roadway is greater than 0.25	T -X-	X		Fix curb ramp transition
Counter slope of the gutter or street at the foot of the curb ramp is	T	Ī		
greater than 5%	İ	i		
Ponding occurs at base of curb ramp	+	†		)





Ramp 3A

Ramp 4A

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

Corridor : Project Name: Citv: GPS ID: 90051 Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.472)

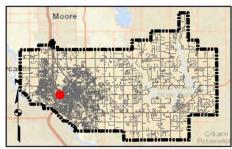
Norman W Main St

Item No.	Item Description	Quantity	Unit		Unit Price	Item Cost
ODOT 202(A)-018	3 Unclassified Excavation	0	CY	\$	5.50 \$	-
ODOT 609(A)-030	0 Concrete Curb (6" Barrier-Integral)	0	LF.	ls	7.00 \$	
ODOT 610(A)-060	2 4" Concrete Sidewalk	15	SY		50.00 \$	750.00
ODOT 610(I)-461	0 Tactile Warning Device - New	20	SF	\$	25.00 \$	500.00
ODOT 610(I)-461	5 Tactile Warning Device - Retrofit	0	SF	<u>  \$</u>	60.00 \$	
ODOT 619(B)-479	2 Removal of Sidewalk	20	SY		12.00 \$	240.00
ODOT 857(F)-800	6 Pavement Marking Removal (Traffic Stripe)	0	LF	\$	0.25 \$	
	Crosswalk Pavement Markings	0	<u>LF</u>	l \$	6.00 \$	
	Repave Roadway	0	LS	İ\$	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	<u> </u>	LŞ	<u>  \$</u>	500.00 \$	
	Fix Curb Ramp Counter Slope	1 0	LS	\$	2,000.00   \$	-
Basis for Cost Pro	jection				Subtotal: \$	5 490 00

No Design Completed
 Preliminary Design
 Final Design

15% \$ 20% \$ 1,075.71 1,434.29 Engineering: (% +/-) 15%
Contingency: (% +/-) 20%
Estimated Project Cost: 8,000.00

# Project Location







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

	Curl	b Ramp	DID ('z' or 'i' in ramp label indicates no					
Curb Ramp Issues			existing ramp)	Possible Solutions				
	ЗА	4A						
Curb ramp does not exist and is needed	i i							
Curb ramp does not land in crosswalk	†	†						
No 4' x 4' clear space at base of curb ramp	T	t						
Curbed side is not 90° or has traversable adjacent surface	Ť	Ť						
Flare cross slope is greater than 10%	<b>†</b> -	!						
Curb ramp running slope is greater than 8.3%	<b>†</b> -	†						
Blended transition running slope is greater than 5%	T	†						
Cut-thru ramp running slope is greater than 5%	<b>†</b> -	†		Remove and replace curb ramp				
Curb ramp cross slope is greater than 2%	†x	x		Tremove and replace curb ramp				
Cut-thru ramp cross slope is greater than 2%	<del></del>	†						
Curb ramp width is less than 48"	†	†						
Cut-thru ramp width is less than 60"	†	†						
Permanent obstruction (>0.25") in curb ramp/landing/flares	<del> </del>	†						
Temporary obstruction (>0.25") in curb ramp/landing/flares	T	I						
No textured surface at base of curb ramp	X	X		For intersection, commercial driveway, and park ramps, insta				
No color contrast at base of curb ramp	X	X		color truncated domes				
Landing area does not exist and is needed	<b>↓</b>	ļ		Remove and reptace landing area				
Landing area is less than 5 x 5 or slopes greater than 2%  Curb ramp transition onto roadway is greater than 0.25	<del>↓</del>	ļ		Fix curb ramp transition				
, , ,	<u>↓_^</u> _	<b>!</b> ^						
Counter slope of the gutter or street at the foot of the curb ramp is		l						
greater than 5%	⊥	<u> </u>						
Ponding occurs at base of curb ramp	!	i						





Ramp 4A

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

Item No.	Item Description	Quantity	Unit		Unit Price	Item Cost
ODOT 202(A)-018	83 Unclassified Excavation	0	CY	\$	5.50 \$	-
ODOT 609(A)-030	00 Concrete Curb (6" Barrier-Integral)	I 0 I	LF	İ \$	7.00 \$	
ODOT 610(A)-060	02 4" Concrete Sidewalk	15	SY	\$	50.00 \$	750.00
ODOT 610(I)-461	10 Tactile Warning Device - New	20	SF	\$	25.00 \$	500.00
ODOT 610(I)-461	15 Tactile Warning Device - Retrofit	0	SF	<u>                                     </u>	60.00 \$	
ODOT 619(B)-479	92 Removal of Sidewalk	18	SY	\$	12.00 \$	216.00
ODOT 857(F)-800	06 Pavement Marking Removal (Traffic Stripe)	0	<u>LF</u>	<u> </u>	0.25 \$	<u> </u>
	Crosswalk Pavement Markings	0	LF	<u>! s</u>	6.00 \$	
	Repave Roadway	0 1	LS	İ\$	5,000.00 \$	-
	Fix Ponding	0 1	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	<u>  \$</u>	500.00 \$	
	Fix Curb Ramp Counter Slope	1 0 1	LS	1\$	2,000.00   \$	-
Basis for Cost Pro	niection				Subtotal: \$	5 466 00

Basis for Cost Projection

No

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







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

	Cur	Ramp	ID ('z' or 'i' in ramp label indicates no	
Curb Ramp Issues			existing ramp)	Possible Solutions
	3A	4A	3 17	
Curb ramp does not exist and is needed	1	1		
Curb ramp does not land in crosswalk	†	11		
No 4' x 4' clear space at base of curb ramp	<b>†</b> -	11		
Curbed side is not 90° or has traversable adjacent surface	Ť	11		
Flare cross slope is greater than 10%	†	1		
Curb ramp running slope is greater than 8.3%	T X	<b> </b>		
Blended transition running slope is greater than 5%	<b>†</b> -	11		
Cut-thru ramp running slope is greater than 5%	Ť	11		Remove and replace curb ramp
Curb ramp cross slope is greater than 2%	† X	1		Themove and replace curb ramp
Cut-thru ramp cross slope is greater than 2%	Ť	11		
Curb ramp width is less than 48"	Ť	X-1		
Cut-thru ramp width is less than 60"	<del></del>	11		
Permanent obstruction (>0.25") in curb ramp/landing/flares	<del> </del>			
Temporary obstruction (>0.25") in curb ramp/landing/flares	T	[]		
No textured surface at base of curb ramp	T	T1		
No color contrast at base of curb ramp	T	T7		
Landing area does not exist and is needed	I			
Landing area is less than 5 x 5 or slopes greater than 2%	1 ×			Remove and replace landing area
Curb ramp transition onto roadway is greater than 0.25	X	X-		Fix curb ramp transition
Counter slope of the gutter or street at the foot of the curb ramp is	-			
greater than 5%	İ	1 1		
Ponding occurs at base of curb ramp	T	11		[







Ramp 4A

## **Opinion of Probable Construction Cost Disclaimer:**

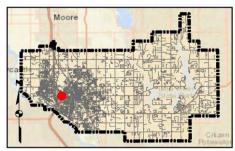
The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only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

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

Corridor : Project Name: Citv: GPS ID: 90053 W Main St Intersection of W Main St and driveway (Lat. 35,2185; Long. -97,4708)

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)	<u> </u>	<u>LF</u>	İ \$ 7.00	İ \$	
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	l 0 l	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 1	LF	\$ 0.25	\$	
	Crosswalk Pavement Markings	l 0 l	LF	! \$ 6.00	\$	-
	Repave Roadway	0 1	LS	\$ 5,000.00	\$	-
	Fix Ponding	0 1	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	<u> </u>	LS	\$ 500.00	\$	
	Fix Curb Ramp Counter Slope	1 0 1	LS	\$ 2,000.00	<b>  \$</b>	-
Basis for Cost Proje				Subtotal:		4,746.00
	✓ No Design Completed			Engineering: (% +/-) 15%		966.00
	☐ Preliminary Design			Contingency: (% +/-) 20%		1,288.00
	☐ Final Design			Estimated Project Cost:	\$	7,000.00

# Project Location







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

Code Barra Januar	Curl	b Ramp	DID ('z' or 'i' in ramp label indicates no	Possible Solutions			
Curb Ramp Issues		4A	existing ramp)	Possible Solutions			
Curb ramp does not exist and is needed							
Curb ramp does not land in crosswalk		†					
No 4' x 4' clear space at base of curb ramp		†					
Curbed side is not 90° or has traversable adjacent surface	X	†					
Flare cross slope is greater than 10%		†					
Curb ramp running slope is greater than 8.3%		†					
Blended transition running slope is greater than 5%		†					
Cut-thru ramp running slope is greater than 5%		†		Remove and replace curb ramp			
Curb ramp cross slope is greater than 2%	X	t		internove and replace curb ramp			
Cut-thru ramp cross slope is greater than 2%		t					
Curb ramp width is less than 48"	<del>- †</del>	İ					
Cut-thru ramp width is less than 60"	-+	t					
Permanent obstruction (>0.25") in curb ramp/landing/flares		†					
Temporary obstruction (>0.25") in curb ramp/landing/flares	T	<u> </u>					
No textured surface at base of curb ramp	T-X-	T		For intersection, commercial driveway, and park ramps, insta			
No color contrast at base of curb ramp	T X	T		color truncated domes			
Landing area does not exist and is needed		1					
Landing area is less than 5 x 5 or slopes greater than 2%	<u> </u>	I					
Curb ramp transition onto roadway is greater than 0.25	T-X-	I_X_		Fix curb ramp transition			
Counter slope of the gutter or street at the foot of the curb ramp is							
greater than 5%	İ	i					
Ponding occurs at base of curb ramp		† <u>-</u>					







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

Corridor : Project Name: Citv: GPS ID: 90054 Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.4699). W Main St

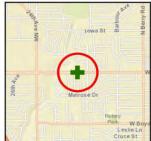
Item No.	Item Description	Quantity	Unit		Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	<u> </u>	5.50 \$	-
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	1 0 1	<u>L</u> F	ls.	7.00 \$	
ODOT 610(A)-0602	2 4" Concrete Sidewalk	20	SY	\$	50.00 \$	1,000.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$	25.00 \$	500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	20	SF	<u>                                     </u>	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	<b>.</b> \$	0.25 \$	-
	Crosswalk Pavement Markings	0	LF	<u> </u>	6.00 \$	-
	Repave Roadway	0	LS	<u>                                     </u>	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	<u> </u>	5,000.00 \$	-
	Remove Temporary Obstruction	Q	LS	\$	500.00 \$	
	Fix Curb Ramp Counter Slope	1 0 1	LS	\$	2,000.00   \$	-
Basis for Cost Proje	ection				Subtotal: \$	10,964.00

No Design Completed
 Preliminary Design
 Final Design

Engineering: (% +/-) 15%
Contingency: (% +/-) 20%
Estimated Project Cost: 15% \$ 20% \$ 1,729.71 2,306.29 15,000.00

# Project Location







Intersection Issues	N	Cros E	swalk S	W	Possible Solutions
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All dr	iveway path o	of travel issue	s and possible :	solutions provided in driveway shapefile (TRPEDDRV)
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	Curl	Ram			n ramp label indicates no gramp)	Possible Solutions		
		2A	ЗА	4A	g ramp)	- coolide Columbia		
Curb ramp does not exist and is needed	1	<u> </u>	<u> </u>					
Curb ramp does not land in crosswalk	<del></del>	i	T	†				
No 4' x 4' clear space at base of curb ramp		i	T	†				
Curbed side is not 90° or has traversable adjacent surface	T	Ĭ	T	Ť				
Flare cross slope is greater than 10%	T	!	ļ	†				
Curb ramp running slope is greater than 8.3%	X	X	<del> </del>	†				
Blended transition running slope is greater than 5%		!	<del></del>	†	1			
Cut-thru ramp running slope is greater than 5%		!	<del></del>	†	1	Remove and replace curb ramp		
Curb ramp cross slope is greater than 2%	†-x	x	<del> </del>	†	1	Tremove and replace curb famp		
Cut-thru ramp cross slope is greater than 2%		i	<del> </del>	†	1			
Curb ramp width is less than 48"	- <del>†</del>	İ	†	†	i !			
Cut-thru ramp width is less than 60"		t	<del> </del>	†	1			
Permanent obstruction (>0.25") in curb ramp/landing/flares		x	<b></b>	†				
Temporary obstruction (>0.25") in curb ramp/landing/flares	T	!	T	ļ	1 !			
No textured surface at base of curb ramp	T-X-	x	X -	x	]	For intersection, commercial driveway, and park ramps, install		
No color contrast at base of curb ramp	TX	x	L-x-	X		color truncated domes		
Landing area does not exist and is needed	T			Ī				
Landing area is less than 5 x 5 or slopes greater than 2%	T-x	I		I		Remove and replace landing area		
Curb ramp transition onto roadway is greater than 0.25	TX	X	_ ×	×		Fix curb ramp transition		
Counter slope of the gutter or street at the foot of the curb ramp is	T	[	Ī	T				
greater than 5%	1	l	l					
Ponding occurs at base of curb ramp	-+	<u> </u>	<del> </del>	†				



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

## **Opinion of Probable Construction Cost Disclaimer:**

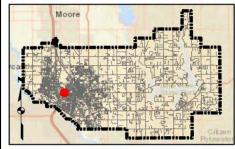
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Client: City of Norman Date: 4/30/18
Program: ADA Self-Evaluation and Transition Plan Prepared By: CMP
KHA No.: 061298800 Checked By: EPE

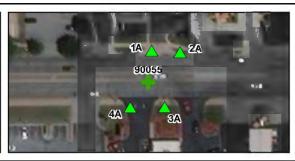
Corridor: W. Main St. GPS ID: 90055
Project Name: Intersection of W Main St and driveway (Lat. 35.2185; Long. -97.4696)
City: Norman

Item No.	Item Description	Quantity	Unit	Unit P	rice	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$	5.50 \$	-
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	<u>LF</u>	<u>  \$</u>	7.00 \$	<del>-</del>
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	<u> </u>	SF	<u>                                     </u>	60.00 \$	
ODOT 619(B)-4792	Removal of Sidewalk	40	SY	<u> </u>	12.00 \$	480.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	<u> </u>	<u>LF</u>	<u> </u> \$	0.25 \$	-
	Crosswalk Pavement Markings	0	<u>LF</u>	<u>  \$                                   </u>	6.00 \$	
	Repave Roadway	0	LS	<u> </u>	5,000.00 \$	
	Fix Ponding	0	LS	\$	2,000.00 \$	-
	Fix Curb Ramp Transition	3	LS	i \$	2,000.00 \$	6,000.00
	Median Nose Modification	00	LS	\$	5,000.00 \$	
	Remove Temporary Obstruction	<u> </u>	LS	<u>  \$</u>	500.00 \$	
	Fix Curb Ramp Counter Slope	2	LS	\$	2,000.00   \$	4,000.00
Basis for Cost Proje					Subtotal: \$	12,980.00
	✓ No Design Completed			Engineering: (% +/-)	15% \$	2,151.43
	Preliminary Design			Contingency: (% +/-)	20% \$	2,868.57
	☐ Final Design			Estimated Pro	oject Cost: \$	18,000.00

# Project Location







Intersection Issues		Crosswalk N E S		W	Possible Solutions		
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All dr	iveway path o	of travel issue	s and possible s	solutions provided in driveway shapefile (TRPEDDRV)		
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 'i' in ramp label indicates no existing ramp)				Possible Solutions	
		2A	ЗА	4A	, 17		
Curb ramp does not exist and is needed							
Curb ramp does not land in crosswalk	T		i	İ			
No 4' x 4' clear space at base of curb ramp	T			İ			
Curbed side is not 90° or has traversable adjacent surface	Ť		X	T-X-			
Flare cross slope is greater than 10%	†			ļ			
Curb ramp running slope is greater than 8.3%	X	X	X-	†			
Blended transition running slope is greater than 5%	T			!	1		
Cut-thru ramp running slope is greater than 5%	†			!		Remove and replace curb ramp	
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"	†	!	i	†			
Cut-thru ramp width is less than 60"	†		<del> </del>	†			
Permanent obstruction (>0.25") in curb ramp/landing/flares Temporary obstruction (>0.25") in curb ramp/landing/flares	<b>†</b>		X				
No textured surface at base of curb ramp	ļ		<b>├</b> ~	ļ		For intersection, commercial driveway, and park ramps, install	
No color contrast at base of curb ramp	<b>∔</b>	<u> </u>	<b>├</b> -	<del></del>		color truncated domes	
Landing area does not exist and is needed	<b> </b> -^-	X	<u> </u>	<b> ^-</b> -			
Landing area is less than 5' x 5' or slopes greater than 2%	+x	<del>x</del>	<del>x</del>	<del> </del> -		Remove and replace landing area	
Curb ramp transition onto roadway is greater than 0.25	+- <del>-</del>	`	<del> x</del>	<del> x</del>		Fix curb ramp transition	
Counter slope of the gutter or street at the foot of the curb ramp is	+		} <del></del>				
greater than 5%			X	X		Fix curb ramp counter slope	
Ponding occurs at base of curb ramp	†			<b>!</b>			



Ramp 1A



Ramp 3A



Ramp 2A



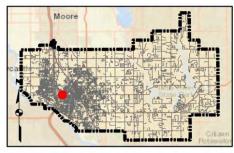
Ramp 4A

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.

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

Item No.	Item Description	Quantity	Unit	Unit Pr	ice	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	<u> </u>	5.50	\$
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	l 0 l	LF	İ \$	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	<b>.</b> \$	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)	<u> </u>	LF	i \$	0.25	\$
	Crosswalk Pavement Markings	l 0 l	<u>LF</u>	! \$	6.00	\$
	Repave Roadway	l 0 l	LS	<u>  \$</u>	5,000.00	\$
	Fix Ponding	0	LS	\$	2,000.00	\$
	Fix Curb Ramp Transition	2	LS	!s	2,000.00	\$ 4,000.00
	Median Nose Modification	0	LS	<u>  \$</u>	5,000.00	\$
	Remove Temporary Obstruction	<u> </u>	LS	<u>  \$</u>	500.00	\$
	Fix Curb Ramp Counter Slope	1 1	LS	\$	2,000.00	\$ 2,000.00
Basis for Cost Proje					Subtotal: S	8,846.00
	☑ No Design Completed			Engineering: (% +/-)	15%	, , , , ,
	☐ Preliminary Design			Contingency: (% +/-)	20% \$	,
	☐ Final Design			Estimated Pro	ject Cost: S	12,000.00

# Project Location







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

	label indicates no				
Curb Ramp Issues				existing	Possible Solutions
	1A	2 <i>z</i>	3A	4A	
Curb ramp does not exist and is needed	1	<u> </u>			
Curb ramp does not land in crosswalk	†	i	l	† <b>-</b>	
No 4' x 4' clear space at base of curb ramp	T	i		† <b>-</b>	
Curbed side is not 90° or has traversable adjacent surface	Ť	Ì	X	X	
Flare cross slope is greater than 10%	+	<b> </b>		† <b> </b>	
Curb ramp running slope is greater than 8.3%	X	i		X	
Blended transition running slope is greater than 5%		!		† <b>1</b>	
Cut-thru ramp running slope is greater than 5%	T	!		† <b>-</b>	Remove and replace curb ramp
Curb ramp cross slope is greater than 2%	T X	i	X	X	Tremove and replace early famp
Cut-thru ramp cross slope is greater than 2%	<del></del>	†		† <b>-</b>	
Curb ramp width is less than 48"	†	İ	i	† <b>-</b>	
Cut-thru ramp width is less than 60"	+	!		† <b>-</b>	
Permanent obstruction (>0.25") in curb ramp/landing/flares		i		11	
Temporary obstruction (>0.25") in curb ramp/landing/flares	T	[	[	[ <u>]</u>	
No textured surface at base of curb ramp	TX	X	X	X-	For intersection, commercial driveway, and park ramps, instal
No color contrast at base of curb ramp	T-x-	x	L-X	X-1	color truncated domes
Landing area does not exist and is needed	T		L		
Landing area is less than 5 x 5 or slopes greater than 2%		i	_ X	X	Remove and reptace landing area
Curb ramp transition onto roadway is greater than 0.25	<u> </u>	<u> </u>			Fix curb ramp transition
Counter slope of the gutter or street at the foot of the curb ramp is	1			Х	Fix curb ramp counter slope
greater than 5%	_L	İ			
Ponding occurs at base of curb ramp	T	[ <b>-</b> -		T1	



Ramp 1A



Ramp 3A



Corner 2 No Ramp (2z)



Ramp 4A

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.

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

Corridor : Project Name: Citv: W Main St GPS ID: 90057 Intersection of W Main St and driveway (Lat. 35,2185; Long. -97,4692)

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)	l 0	<u>LF</u>	İ\$ 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	l SF	<u>  \$ 60.00</u>	\$ 1,200.00
ODOT 619(B)-4792	Removal of Sidewalk	20	SY	İ\$ 12.00	\$ 240.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	<u>LF</u>	\$ 0.25	
	Crosswalk Pavement Markings	<u> </u>	<u>LF</u>	L\$ 6.00	<u> </u> \$
	Repave Roadway	l 0	l 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	<u> </u>	LS	\$ 500.00	
	Fix Curb Ramp Counter Slope	1 0	<u>LS</u>	\$ 2,000.00	

Basis for Cost Projection

☑ No Design Completed
□ Preliminary Design
□ Final Design

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

# Project Location







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

	Curk	Ramp			n ramp label indicates no	Possible Solutions	
Curb Ramp Issues				existino	g ramp)		
	1A	2A	3 <i>z</i>	4 <i>z</i>			
Curb ramp does not exist and is needed		<u> </u>					
Curb ramp does not land in crosswalk	T	i	i	İ		 	
No 4' x 4' clear space at base of curb ramp	T	i		İ		}	
Curbed side is not 90° or has traversable adjacent surface	Ť	Ĭ	T	Ť			
Flare cross slope is greater than 10%	<b>†</b> -	ļ		ļ			
Curb ramp running slope is greater than 8.3%	T-X-	x		†			
Blended transition running slope is greater than 5%	T	!		†			
Cut-thru ramp running slope is greater than 5%	T	!		!		i Remove and replace curb ramp	
Curb ramp cross slope is greater than 2%	†x	x	<b></b>	†		Tremove and replace earb ramp	
Cut-thru ramp cross slope is greater than 2%	Ť	†		†			
Curb ramp width is less than 48"	†	İ	i	†			
Cut-thru ramp width is less than 60"	<b>†</b> -	t	<del> </del>	†			
Permanent obstruction (>0.25") in curb ramp/landing/flares	<b>†</b> -	<b></b>		†			
Temporary obstruction (>0.25") in curb ramp/landing/flares	Ţ	ļ		!		}	
No textured surface at base of curb ramp	T-X-	x	X	x		For intersection, commercial driveway, and park ramps, install	
No color contrast at base of curb ramp	T X	x	X	_ X		color truncated domes	
Landing area does not exist and is needed	T	T		1			
Landing area is less than 5 x 5 or slopes greater than 2%	T-x-	X		I		Remove and replace landing area	
Curb ramp transition onto roadway is greater than 0.25	T-x-			I		Fix curb ramp transition	
Counter slope of the gutter or street at the foot of the curb ramp is	T	Ī		Ī			
greater than 5%		l		l			
Ponding occurs at base of curb ramp	<del> </del>	t	<del></del> -	†		)i	



Ramp 1A



Corner 3 No Ramp (3z)



Ramp 2A



Corner 4 No Ramp (4z)

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

Corridor : Project Name: Citv: W Main St GPS ID: 90058 Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.469)

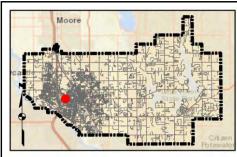
Item No.	Item Description	Quantity	Unit	Unit	Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$	5.50 \$	-
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	1 0	<u>L</u> F	ls	7.00 \$	
ODOT 610(A)-0602	4" Concrete Sidewalk	21	SY		50.00 \$	1.050.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$	25.00 \$	500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	20	SF	<u> </u> \$	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	<u> </u> \$	6.00 \$	-
	Repave Roadway	0 1	LS	İ\$	5,000.00 \$	-
	Fix Ponding	0	LS	\$	2,000.00 \$	-
	Fix Curb Ramp Transition	0	LS	\$	2,000.00 \$	-
	Median Nose Modification	0	LS	<u> </u>	5,000.00 \$	
	Remove Temporary Obstruction	<u> </u>	LS	<u> </u>	500.00 \$	
	Fix Curb Ramp Counter Slope	1 0	LS	\$	2,000.00   \$	-

Basis for Cost Projection

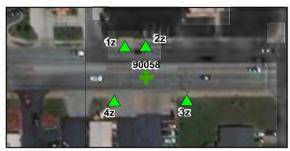
No Design Completed
Preliminary Design
Final Design

Subtotal: \$ 15% \$ 20% \$ 2,750.00 535.71 714.29 Engineering: (% +/-) Contingency: (% +/-) Estimated Project 4,000.00

# Project Location







Intersection Issues	N	Cros E	swalk S	W	Possible Solutions
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All d	riveway path (	of travel issue	es and possible	e solutions provided in driveway shapefile (TRPEDDRV)
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	Curl	Ramp	,		n ramp label indicates no g ramp)	Possible Solutions
,	1 <i>z</i>	2 <i>z</i>	3 <i>z</i>	4z	, 17	
Curb ramp does not exist and is needed	X	Х				Install curb ramp; if median improvement, see shapefile
Curb ramp does not land in crosswalk	†		i	†		
No 4' x 4' clear space at base of curb ramp	T			†		
Curbed side is not 90° or has traversable adjacent surface	Ť		T	Ť		
Flare cross slope is greater than 10%	<b>†</b>			†		
Curb ramp running slope is greater than 8.3%	<b>†</b> -			†		
Blended transition running slope is greater than 5%	T	·		†		
Cut-thru ramp running slope is greater than 5%	<b>T</b> -			†		
Curb ramp cross slope is greater than 2%	<b>†</b> -	l	l	t		
Cut-thru ramp cross slope is greater than 2%	<del> </del>		l	†		
Curb ramp width is less than 48"	†	!	i	†		
Cut-thru ramp width is less than 60"	<del> </del>		<del> </del>	†		
Permanent obstruction (>0.25") in curb ramp/landing/flares	<del></del>			†		
Temporary obstruction (>0.25") in curb ramp/landing/flares	T			†		
No textured surface at base of curb ramp	T		x	x		For intersection, commercial driveway, and park ramps, ins
No color contrast at base of curb ramp	T	[	L-x-	TX		color truncated domes
Landing area does not exist and is needed	T			†		
Landing area is less than 5 x 5 or slopes greater than 2%	T			I		
Curb ramp transition onto roadway is greater than 0.25	T			I		
Counter slope of the gutter or street at the foot of the curb ramp is						
greater than 5%	İ	l	i	l		
Ponding occurs at base of curb ramp	<del> </del>	!	<del></del> -	†		<u> </u>



Corner 1 No Ramp (1z)



Corner 3 No Ramp (3z)



Corner 2 No Ramp (2z)



Corner 4 No Ramp (4z)

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

Corridor : Project Name: Citv: GPS ID: 90059 W Main St Intersection of W Main St and driveway (Lat. 35,2185; Long. -97,4685)

Item No.	Item Description	Quantity	Unit	Į	Jnit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$	5.50 \$	-
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	l 0 l	LF	İ \$	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	<u>  0  </u>	SF	<u>  \$</u>	60.00 \$	
ODOT 619(B)-4792	Removal of Sidewalk	0 1	SY	\$	12.00 \$	-
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$	0.25 \$	-
	Crosswalk Pavement Markings	0	<u>LF</u>	<u>  \$</u>	6.00 \$	-
	Repave Roadway	0 1	LS	İ\$	5,000.00 \$	-
	Fix Ponding	0	LS	\$	2,000.00 \$	-
	Fix Curb Ramp Transition	0	LS	\$	2,000.00 \$	-
	Median Nose Modification	0	LS	Ţ\$	5,000.00 \$	
	Remove Temporary Obstruction	00	<u>LŞ</u>	\$	500.00 \$	-
	Fix Curb Ramp Counter Slope	<u> </u>	LS	į\$	2,000.00   \$	-

Basis for Cost Projection

No Design Completed
Preliminary Design
Final Design

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

# Project Location







Intersection Issues	N	Cros E	swalk S	W	Possible Solutions
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All d	riveway path (	of travel issue	es and possible	e solutions provided in driveway shapefile (TRPEDDRV)
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	Curl	b Ramp	o ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions
	1 <i>z</i>	2 <i>z</i>		
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	T	Ī		
No 4' x 4' clear space at base of curb ramp	T	<b>†</b>		
Curbed side is not 90° or has traversable adjacent surface	Ť	Ť		
Flare cross slope is greater than 10%	†	<del> </del>		
Curb ramp running slope is greater than 8.3%	†	†		
Blended transition running slope is greater than 5%	<del></del>	†		
Cut-thru ramp running slope is greater than 5%	<b>†</b> -	†		
Curb ramp cross slope is greater than 2%	<del>†</del>	†		
Cut-thru ramp cross slope is greater than 2%	<del></del>	†		
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	T	Ť		
No color contrast at base of curb ramp	Т	T		
Landing area does not exist and is needed	T	1		
Landing area is less than 5 x 5 or slopes greater than 2%	I	I		
Curb ramp transition onto roadway is greater than 0.25	I	I		
Counter slope of the gutter or street at the foot of the curb ramp is	T	Ĭ		
greater than 5%	İ	i		
Ponding occurs at base of curb ramp	+	†		<u> </u>







Corner 2 No Ramp (2z)

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

Corridor : Project Name: Citv: W Main St GPS ID: 90060 Intersection of W Main St and driveway (Lat. 35,2185; Long. -97,4687)

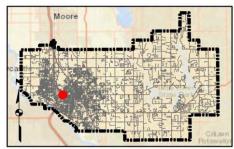
Item No.	Item Description	Quantity	Unit	Į	Jnit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$	5.50 \$	-
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	l o l	<u>L</u> F	ls	7.00 \$	-
ODOT 610(A)-0602	4" Concrete Sidewalk	21	SY	\$	50.00 \$	1,050,00
ODOT 610(I)-4610	Tactile Warning 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	<u>  \$</u>	6.00 \$	-
	Repave Roadway	l 0 l	LS	İ\$	5,000.00 \$	-
	Fix Ponding	0	LS	\$	2,000.00 \$	-
	Fix Curb Ramp Transition	0	LS	\$	2,000.00 \$	-
	Median Nose Modification	0	LS	Ţ\$	5,000.00 \$	
	Remove Temporary Obstruction	<u> </u>	LS	<u>  \$</u>	500.00 \$	-
	Fix Curb Ramp Counter Slope	<u> </u>	LS	\$	2,000.00 \$	-

Basis for Cost Projection

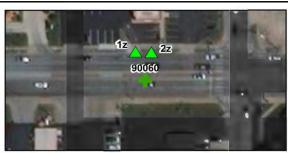
No Design Completed
Preliminary Design
Final Design

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

# Project Location





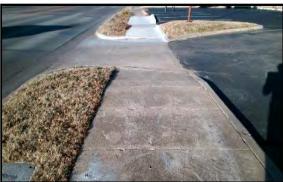


Intersection Issues	N	Cros E	swalk S	W	Possible Solutions
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All d	riveway path (	of travel issue	es and possible	e solutions provided in driveway shapefile (TRPEDDRV)
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	Curl	b Ramp	ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions
	1 <i>z</i>	2z	onoming ramp)	
Curb ramp does not exist and is needed	X	I X I		Install curb ramp; if median improvement, see shapefile
Curb ramp does not land in crosswalk	T	Ť1		
No 4' x 4' clear space at base of curb ramp	T	<b>†</b> 1		
Curbed side is not 90° or has traversable adjacent surface	Ť	Ť1		
Flare cross slope is greater than 10%	†	11		
Curb ramp running slope is greater than 8.3%	†	<b>†</b>		
Blended transition running slope is greater than 5%	<del></del>	t1		
Cut-thru ramp running slope is greater than 5%	<u> </u>	t		
Curb ramp cross slope is greater than 2%	†	†		
Cut-thru ramp cross slope is greater than 2%	<del></del>	†1		
Curb ramp width is less than 48"	Ť	†i		
Cut-thru ramp width is less than 60"	+	t		
Permanent obstruction (>0.25") in curb ramp/landing/flares	<del></del>	t		
Temporary obstruction (>0.25") in curb ramp/landing/flares	<b>T</b> -	11		
No textured surface at base of curb ramp	T	T1		
No color contrast at base of curb ramp	T	T7		
Landing area does not exist and is needed	T			
Landing area is less than 5 x 5 or slopes greater than 2%	I			
Curb ramp transition onto roadway is greater than 0.25	<u> </u>	<u> </u>		
Counter slope of the gutter or street at the foot of the curb ramp is	1	1 1		
greater than 5%	İ	1 1		
Ponding occurs at base of curb ramp	<del></del>	<b>†</b> 1		



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)

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

Corridor : Project Name: Citv: W Main St GPS ID: 90061 Intersection of W Main St and driveway (Lat. 35,2185; Long. -97.47)

Item No.	Item Description	Quantity	Unit	Unit Price		Item Cost
ODOT 202(A)-0183	Unclassified Excavation	00	CY	\$	5.50 \$	-
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	<u> </u>	<u>L</u> F	İ \$	7.00 \$	
ODOT 610(A)-0602	4" Concrete Sidewalk	0	SY	\$5	0.00 \$	<u>-</u>
	Tactile Warning Device - New	00	SF	\$ 2	5.00 \$	
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	20	l SF	<u> </u>	0.00 \$	1,200.00
ODOT 619(B)-4792	Removal of Sidewalk	00	SY		2.00 \$	
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	00	<u>LF</u>	<u> </u> \$	0.25 \$	
	Crosswalk Pavement Markings	00	<u>LF</u>	<u> </u>	6.00 \$	<del>-</del>
	Repave Roadway	00	LS	\$ 5,00	0.00   \$	
	Fix Ponding	0	LS	\$ 2,00	0.00 \$	-
	Fix Curb Ramp Transition	0	LS	\$ 2,00	0.00 \$	-
	Median Nose Modification	00	<u>LS</u>		0.00 \$	
	Remove Temporary Obstruction	<u> </u>	LS		0.00 \$	
	Fix Curb Ramp Counter Slope	. 0	<u>LS</u>		0.00   \$	-
Basis for Cost Proje					total: \$	1,200.00
	✓ No Design Completed			ineering: (% +/-)	15% \$	342.86
	□ Preliminary Design		Con	ntingency: (% +/-)	20% \$	457.14
	☐ Final Design			Estimated Project	Cost: \$	2,000.00
					•	

# Project Location







Intersection Issues		Cros	swalk	14/	Possible Solutions
Dath of the color	N	E	5	W	
Path of travel pavement condition					
Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 2% for stop control					
approaches	All d	riveway path o	of travel issue	es and possible	e solutions provided in driveway shapefile (TRPEDDRV)
				·	,
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		b Ramp	ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions		
care ramp recase	1 <i>z</i>	2z	existing ramp)	- coolsie Coldions		
Curb ramp does not exist and is needed						
Curb ramp does not land in crosswalk	Ť	11				
No 4' x 4' clear space at base of curb ramp	T	t1				
Curbed side is not 90° or has traversable adjacent surface	Ť	i1				
Flare cross slope is greater than 10%	<del></del>	1				
Curb ramp running slope is greater than 8.3%	<del></del>	†				
Blended transition running slope is greater than 5%		11				
Cut-thru ramp running slope is greater than 5%		!1				
Curb ramp cross slope is greater than 2%	<del></del>	† <u> </u>				
Cut-thru ramp cross slope is greater than 2%	<del></del>	t1				
Curb ramp width is less than 48"	- <del></del> -	ii				
Cut-thru ramp width is less than 60"		t1				
Permanent obstruction (>0.25") in curb ramp/landing/flares	<del></del>	11				
Temporary obstruction (>0.25") in curb ramp/landing/flares	T	[]				
No textured surface at base of curb ramp	T-X-	[x-]		For intersection, commercial driveway, and park ramps, install		
No color contrast at base of curb ramp	T-X-	T-X-1		color truncated domes		
Landing area does not exist and is needed	T	I]				
Landing area is less than 5 x 5 or slopes greater than 2%		<u> </u>				
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%	İ	1 1				
Ponding occurs at base of curb ramp	<del></del>	11				

GPS ID: 90061



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)

## **Opinion of Probable Construction Cost Disclaimer:**

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

Corridor : Project Name: Citv: GPS ID: 90062 W Main St Intersection of W Main St and driveway (Lat. 35.2185; Long. -97.4704)

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)	<u> </u>	<u>L</u> F	İ \$	7.00 S	
ODOT 610(A)-0602	4" Concrete Sidewalk	<u> </u>	SY	\$5	0.00 \$	
	Tactile Warning Device - New	00	SF	\$ 2	5.00 \$	
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	20	SF	! \$ 6	0.00 \$	1,200.00
ODOT 619(B)-4792	Removal of Sidewalk	0	SY	\$ 1	2.00 \$	-
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	00	LF	<b>S</b>	0.25 \$	-
	Crosswalk Pavement Markings	0	<u>LF</u>	! \$	6.00 \$	-
	Repave Roadway	l 0	LS LS	i\$ 5,00	0.00 \$	-
	Fix Ponding	0	LS	\$ 2,00	0.00 \$	-
	Fix Curb Ramp Transition	0	LS	\$ 2,00	0.00 \$	-
	Median Nose Modification	0	LS LS	\$ 5,00	0.00 \$	
	Remove Temporary Obstruction	<u> </u>	LS		0.00 \$	
	Fix Curb Ramp Counter Slope	1 0	<u>i</u> LS		0.00   \$	-
Basis for Cost Proje					ototal: \$	1,200.00
	✓ No Design Completed			ineering: (% +/-)	15% \$	342.86
	□ Preliminary Design		Cor	ntingency: (% +/-)	20% \$	457.14
	☐ Final Design			Estimated Project	Cost: \$	2,000.00
				•		

# Project Location







Intersection Issues	Crosswalk N E S W			W	Possible Solutions
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All d	riveway path (	of travel issue	es and possible	e solutions provided in driveway shapefile (TRPEDDRV)
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	Curl	b Ramp	p ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions		
·	1 <i>z</i>	2z				
Curb ramp does not exist and is needed						
Curb ramp does not land in crosswalk	T	i				
No 4' x 4' clear space at base of curb ramp	T	t				
Curbed side is not 90° or has traversable adjacent surface	Ť	Ť				
Flare cross slope is greater than 10%	<b>†</b> -	ļ				
Curb ramp running slope is greater than 8.3%	T	†				
Blended transition running slope is greater than 5%	T	†				
Cut-thru ramp running slope is greater than 5%	<b>†</b>	<u> </u>				
Curb ramp cross slope is greater than 2%	†	†				
Cut-thru ramp cross slope is greater than 2%	<b>†</b> -	†				
Curb ramp width is less than 48"	Ť	†	1			
Cut-thru ramp width is less than 60"	<b>†</b>	†				
Permanent obstruction (>0.25") in curb ramp/landing/flares	T	†				
Temporary obstruction (>0.25") in curb ramp/landing/flares	T	<u> </u>				
No textured surface at base of curb ramp	T-X-	Ix		For intersection, commercial driveway, and park ramps, install		
No color contrast at base of curb ramp	TX	Ix		color truncated domes		
Landing area does not exist and is needed	T	I				
Landing area is less than 5 x 5 or slopes greater than 2%	I	Į				
Curb ramp transition onto roadway is greater than 0.25	<u> </u>	<u> </u>				
Counter slope of the gutter or street at the foot of the curb ramp is		l				
greater than 5%	1	i				
Ponding occurs at base of curb ramp	<u> </u>	<u> </u>				



Corner 1 No Ramp (1z)



Corner 2 No Ramp (2z)

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

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: 90063
Project Name: Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.4742)
City: Norman

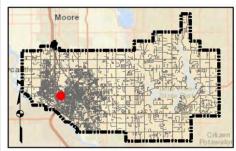
Item No.	Item Description	Quantity	Unit		Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$	5.50 \$	
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0 1	<u>L</u> F	İs.	7.00 \$	
ODOT 610(A)-0602	4" Concrete Sidewalk	88	SY	\$	50.00 \$	400.00
ODOT 610(I)-4610	Tactile Warning Device - 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	<b>!</b> \$	6.00 \$	-
	Repave Roadway	0	LS	İ\$	5,000.00 \$	<u> </u>
	Fix Ponding	0	LS	\$	2,000.00 \$	-
	Fix Curb Ramp Transition	1	LS	\$	2,000.00 \$	2,000.00
	Median Nose Modification	0	LS	<u>[\$</u>	5,000.00 \$	<u> </u>
	Remove Temporary Obstruction	<u> </u>	LS	<u> </u>	500.00 \$	
	Fix Curb Ramp Counter Slope	. 0	LS	\$	2,000.00   \$	-
Basis for Cost Proje	ection				Subtotal: \$	2,782.00

´ ☑ No

No Design Completed
 Preliminary Design
 Final Design

Engineering: (% +/-) 15% \$ 522.00
Contingency: (% +/-) 20% \$ 696.00
Estimated Project Cost: \$ 4,000.00

# Project Location







Intersection Issues	Crosswalk N E S W			w	Possible Solutions
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All d	riveway path (	of travel issue	es and possible	e solutions provided in driveway shapefile (TRPEDDRV)
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	Cur	b Ramı	o ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions		
·	1A	2A				
Curb ramp does not exist and is needed						
Curb ramp does not land in crosswalk	†	†				
No 4' x 4' clear space at base of curb ramp	†	†				
Curbed side is not 90° or has traversable adjacent surface	Ť	Ť				
Flare cross slope is greater than 10%	†	!				
Curb ramp running slope is greater than 8.3%	T X	†				
Blended transition running slope is greater than 5%	T	†				
Cut-thru ramp running slope is greater than 5%	†	!		Remove and replace curb ramp		
Curb ramp cross slope is greater than 2%	†	†		Tremove and replace curb ramp		
Cut-thru ramp cross slope is greater than 2%	<b>†</b>	†				
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	T-X-	†				
Temporary obstruction (>0.25") in curb ramp/landing/flares	T	<u> </u>				
No textured surface at base of curb ramp	T-X-	I		For intersection, commercial driveway, and park ramps, install		
No color contrast at base of curb ramp	TX	T		color truncated domes		
Landing area does not exist and is needed	I	I				
Landing area is less than 5 x 5 or slopes greater than 2%	T-x-	ļ		Remove and replace landing area		
Curb ramp transition onto roadway is greater than 0.25	X	<u> </u>		Fix curb ramp transition		
Counter slope of the gutter or street at the foot of the curb ramp is		1				
greater than 5%	1					
Ponding occurs at base of curb ramp	T	Ī				







Ramp 2A

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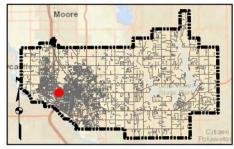
Date: 4/30/18 Prepared By: CMP Checked By: EPE City of Norman ADA Self-Evaluation and Transition Plan 061298800 Client: Program: KHA No.:

Corridor : Project Name: Citv: GPS ID: 90064 W Main St Intersection of W Main St and driveway (Lat. 35.2184; Long. -97.4754)

Item No.	Item Description	Quantity	Unit		Unit Price	Item Cost
ODOT 202(A)-018	3 Unclassified Excavation	0	CY	\$	5.50 \$	-
ODOT 609(A)-030	Concrete Curb (6" Barrier-Integral)	0	<u>LF</u>	ls	7.00 \$	
ODOT 610(A)-060	2 4" Concrete Sidewalk	0	SY	\$	50.00 \$	
ODOT 610(I)-4610	Tactile Warning Device - New	00	SF	\$	25.00 \$	
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	20	l SF	<u>   \$</u>	60.00 \$	1,200.00
ODOT 619(B)-479	2 Removal of Sidewalk	00	SY		12.00 \$	
ODOT 857(F)-800	Pavement Marking Removal (Traffic Stripe)	00	<u>LF</u>	<u> </u>	0.25 \$	
	Crosswalk Pavement Markings	0	<u>LF</u>	<u>  \$</u>	6.00 \$	
	Repave Roadway	0	LS LS	<u>                                     </u>	5,000.00 \$	-
	Fix Ponding	0	LS	\$	2,000.00 \$	-
	Fix Curb Ramp Transition	0	LS	\$	2,000.00 \$	-
	Median Nose Modification	0	LS	<u>[\$</u>	5,000.00 \$	
	Remove Temporary Obstruction	<u> </u>	LS	\$	500.00 \$	
	Fix Curb Ramp Counter Slope	1 0	<u>LS</u>	į \$	2,000.00   \$	-
Racic for Cost Proi	ection				Subtotal: \$	1 200 00

1,200.00 342.86 457.14 total: \$
15% \$
20% \$ Engineering: (% +/-) Contingency: (% +/-) Estimated Project Cost: 2,000.00

# Project Location







Intersection Issues	N	Cros E	swalk S	W	Possible Solutions
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All dr	iveway path o	of travel issue	s and possible :	solutions provided in driveway shapefile (TRPEDDRV)
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		b Ramp	ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions		
	1 <i>z</i>	2z	oxioming ramp)			
Curb ramp does not exist and is needed						
Curb ramp does not land in crosswalk	Ť	<b>!</b> -1				
No 4' x 4' clear space at base of curb ramp	T	t1				
Curbed side is not 90° or has traversable adjacent surface	Ť	†1				
Flare cross slope is greater than 10%	<del></del>	† <u>-</u>				
Curb ramp running slope is greater than 8.3%	<del></del>	<b>†</b>				
Blended transition running slope is greater than 5%		t1				
Cut-thru ramp running slope is greater than 5%		!1				
Curb ramp cross slope is greater than 2%	<del></del>	† <u> </u>				
Cut-thru ramp cross slope is greater than 2%	<del></del>	<b>!</b> -1				
Curb ramp width is less than 48"	- <del></del> -	†1				
Cut-thru ramp width is less than 60"		t1				
Permanent obstruction (>0.25") in curb ramp/landing/flares	<del></del>	<b>!</b> -1				
Temporary obstruction (>0.25") in curb ramp/landing/flares	T	<b>!</b> 1				
No textured surface at base of curb ramp	T-X-	[X-]		For intersection, commercial driveway, and park ramps, instal		
No color contrast at base of curb ramp	T-X-	[x-]		color truncated domes		
Landing area does not exist and is needed	T	[]				
Landing area is less than 5 x 5 or slopes greater than 2%	<u> </u>	1				
Curb ramp transition onto roadway is greater than 0.25		<u> </u>				
Counter slope of the gutter or street at the foot of the curb ramp is	-					
greater than 5%	İ	1 1				
Ponding occurs at base of curb ramp	<del></del>	t1				

GPS ID: 90064







Corner 2 No Ramp (2z)

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

Corridor : Project Name: Citv: W Main St GPS ID: 90065 Intersection of W Main St and driveway (Lat. 35,2184; Long. -97,4756)

Item No.	Item Description	Quantity	Unit	Unit Price		Item Cost
ODOT 202(A)-0183	Unclassified Excavation	00	CY	\$ 5	50 \$	-
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	<u> </u>	<u>LF</u>	İ \$ 7	<u>oo is</u>	
ODOT 610(A)-0602	4" Concrete Sidewalk	0	SY	\$50	00 \$	
	Tactile Warning Device - New	00	SF	\$ 25	00 \$	
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	20	SF	<u>  \$ 60</u>	00   \$	1,200.00
ODOT 619(B)-4792	Removal of Sidewalk	00	SY	\$ 12	00 \$	
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	00	LF	<u> </u>	25 \$	
	Crosswalk Pavement Markings	00	<u>LF</u>		00 \$	
	Repave Roadway	00	LS	\$ 5,000	00   \$	-
	Fix Ponding	0	LS	<u>i</u> \$ 2,000	00 \$	-
	Fix Curb Ramp Transition	0	LS	\$ 2,000	00 \$	-
	Median Nose Modification	00	LS LS		00   \$	
	Remove Temporary Obstruction	<u> </u>	LS	\$500		
	Fix Curb Ramp Counter Slope	. 0	<u>LS</u>		00   \$	-
Basis for Cost Proje				Subto		1,200.00
	✓ No Design Completed				5% \$	342.86
	□ Preliminary Design		Cor		:0% \$	457.14
	☐ Final Design			Estimated Project C	ost: \$	2,000.00

# Project Location







Intersection Issues	N	Cros E	swalk S	W	Possible Solutions
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All d	riveway path (	of travel issue	es and possible	e solutions provided in driveway shapefile (TRPEDDRV)
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	Curl	b Ramp	ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions
out ramp todad	1 <i>z</i>	2 <i>z</i>	existing ramp)	1 Coolidio Columbia
Curb ramp does not exist and is needed	i i			
Curb ramp does not land in crosswalk	†	† <u>-</u> 1		
No 4' x 4' clear space at base of curb ramp	T	t1		
Curbed side is not 90° or has traversable adjacent surface	Ť	†1		
Flare cross slope is greater than 10%	<b>†</b> -	!1		
Curb ramp running slope is greater than 8.3%	T	<b>†</b> -		
Blended transition running slope is greater than 5%	T	<b>!</b> -1		
Cut-thru ramp running slope is greater than 5%	T	!1		
Curb ramp cross slope is greater than 2%	†	i1		
Cut-thru ramp cross slope is greater than 2%	T	† <u>-</u>		
Curb ramp width is less than 48"	T	T1		
Cut-thru ramp width is less than 60"	T	† <u>-</u>		
Permanent obstruction (>0.25") in curb ramp/landing/flares Temporary obstruction (>0.25") in curb ramp/landing/flares	<b>‡</b>	<b>!</b>		
No textured surface at base of curb ramp	+x	<del> x- </del>		For intersection, commercial driveway, and park ramps, install
No color contrast at base of curb ramp	<del>+x</del>	<del> x-</del>		color truncated domes
Landing area does not exist and is needed	+	<del> </del> -		
Landing area is less than 5 x 5 or slopes greater than 2%	<del>†</del>	t1		
Curb ramp transition onto roadway is greater than 0.25	T	† <u>-</u>		
Counter slope of the gutter or street at the foot of the curb ramp is	T	t		
greater than 5%	1	1 1		
Ponding occurs at base of curb ramp	+	t <u> </u>		

90065







Corner 2 No Ramp (2z)

## **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.

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

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

Item No.	Item Description	Quantity	Unit	ī	Init Price	Item Cost
ODOT 202(A)-018	33 Unclassified Excavation	0	CY	\$	5.50 \$	-
ODOT 609(A)-030	00 Concrete Curb (6" Barrier-Integral)	I 0 I	LF	ls	7.00 \$	
ODOT 610(A)-060	02 4" Concrete Sidewalk	3	SY		50.00 \$	150.00
ODOT 610(I)-461	0 Tactile Warning Device - New	0	SF	\$	25.00 \$	<u>-</u>
ODOT 610(I)-461	5 Tactile Warning Device - Retrofit		SF	<u>                                     </u>	60.00 \$	1,200.00
ODOT 619(B)-479	Removal of Sidewalk	3	SY	\$	12.00 \$	36.00
ODOT 857(F)-800	06 Pavement Marking Removal (Traffic Stripe)	0	LF	\$	0.25 \$	-
	Crosswalk Pavement Markings	0 1	LF	<u> </u> \$	6.00 \$	-
	Repave Roadway	l 0 l	LS	<u>                                     </u>	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	<u> </u>	LS		500.00 \$	-
	Fix Curb Ramp Counter Slope	1 0 1	LS	[\$	2,000.00   \$	-
Basis for Cost Pro	jection				Subtotal: \$	1,386.00

☑ No Design Completed☑ Preliminary Design ☐ Preliminary ☐ Final Design

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

# Project Location







Intersection Issues	N	Cros E	swalk S	W	Possible Solutions
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All d	riveway path (	of travel issue	es and possible	e solutions provided in driveway shapefile (TRPEDDRV)
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	Curl	Ramp	<ul><li>ID ('z' or 'i' in ramp label indicates no existing ramp)</li></ul>	Possible Solutions
Outs Namp issues	1A	2 <i>z</i>	existing ramp)	1 ossible colditoris
Curb ramp does not exist and is needed	1			
Curb ramp does not land in crosswalk	Ť			
No 4' x 4' clear space at base of curb ramp	T			
Curbed side is not 90° or has traversable adjacent surface	Ť	i1		
Flare cross slope is greater than 10%	+			
Curb ramp running slope is greater than 8.3%	<del></del>			
Blended 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%	<del></del>			
Curb ramp width is less than 48"	Ť	ii		
Cut-thru ramp width is less than 60"				
Permanent obstruction (>0.25") in curb ramp/landing/flares	T			
Temporary obstruction (>0.25") in curb ramp/landing/flares	T	[]		
No textured surface at base of curb ramp	T-X-	[X-]		For intersection, commercial driveway, and park ramps, insta
No color contrast at base of curb ramp	TX	X-1		color truncated domes
Landing area does not exist and is needed	T			
Landing area is less than 5 x 5 or slopes greater than 2%	T-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%	İ			
Ponding occurs at base of curb ramp	<del></del>	l		



Ramp 1A



Corner 2 No Ramp (2z)

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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: 90067
Project Name: Intersection of 24th Ave SW and driveway (Lat. 35.2178; Long. -97.4766)
City: Norman

Item No.	Item Description	Quantity	Unit		Unit Price	Item Cost
ODOT 202(A)-018	83 Unclassified Excavation	0 1	CY	\$	5.50 \$	-
ODOT 609(A)-030	00 Concrete Curb (6" Barrier-Integral)	I 0 I	LF	İ \$	7.00 \$	
ODOT 610(A)-060	02 4" Concrete Sidewalk	151	SY		50.00 \$	750.00
ODOT 610(I)-461	10 Tactile Warning Device - New	20	SF	\$	25.00 \$	500.00
ODOT 610(I)-461	15 Tactile Warning Device - Retrofit	<u> 20</u>	SF	<u>l \$</u>	60.00 \$	1,200.00
ODOT 619(B)-479	92 Removal of Sidewalk	21	SY		12.00 \$	252.00
ODOT 857(F)-800	06 Pavement Marking Removal (Traffic Stripe)	<u> </u>	<u>LF</u>	<u> </u>	0.25 \$	
	Crosswalk Pavement Markings	1 0 1	LF	l s	6.00 \$	-
	Repave Roadway	1 0 1	LS	İ\$	5,000.00 \$	-
	Fix Ponding	0 1	LS	\$	2,000.00 \$	-
	Fix Curb Ramp Transition	1	LS		2,000.00 \$	2,000.00
	Median Nose Modification	0	LS	<u>  \$</u>	5,000.00 \$	
	Remove Temporary Obstruction	<u>0</u>	LS	<u>  \$</u>	500.00 \$	
	Fix Curb Ramp Counter Slope	1 0 1	LS	1\$	2,000.00   \$	-
Basis for Cost Pro	niection				Subtotal: \$	4 702 00

sasis for Cost Projection

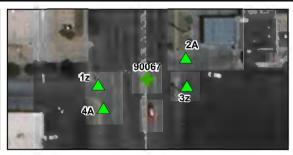
No

No Design Completed
 Preliminary Design
 Final Design

# Project Location







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

	Curi	Kamp			mp label indicates no			
Curb Ramp Issues				existing	mp)	Possible Solutions		
	1 <i>z</i>	2A	3z	4A				
Curb ramp does not exist and is needed		<u> </u>						
Curb ramp does not land in crosswalk	T	i	i	11				
No 4' x 4' clear space at base of curb ramp	T	i	l					
Curbed side is not 90° or has traversable adjacent surface	Ť	Ĭ	T	11				
Flare cross slope is greater than 10%	T	ļ		11				
Curb ramp running slope is greater than 8.3%	T	x						
Blended transition running slope is greater than 5%	Ť	i		11				
Cut-thru ramp running slope is greater than 5%	<b>T</b>	ļ				Remove and replace curb ramp		
Curb ramp cross slope is greater than 2%	<b>†</b> -	X		X		I Tromove and replace outs ramp		
Cut-thru ramp cross slope is greater than 2%	<u> </u>	i		1				
Curb ramp width is less than 48"	Ť	İ	i	11				
Cut-thru ramp width is less than 60"	T	!						
Permanent obstruction (>0.25") in curb ramp/landing/flares	T	i		-X-				
Temporary obstruction (>0.25") in curb ramp/landing/flares	T	[						
No textured surface at base of curb ramp	T-X-	X	X	X		For intersection, commercial driveway, and park ramps, install		
No color contrast at base of curb ramp	T-X-	x	L-X	X-1		color truncated domes		
Landing area does not exist and is needed	I	[ <u></u>				<u></u>		
Landing area is less than 5 x 5 or slopes greater than 2%	1	X		X-		Remove and replace landing area		
Curb ramp transition onto roadway is greater than 0.25		<u> </u>		X		Fix curb ramp transition		
Counter slope of the gutter or street at the foot of the curb ramp is		1						
greater than 5%	İ	İ	İ	i i				
Ponding occurs at base of curb ramp	T	!		T1				



Corner 1 No Ramp (1z)



Corner 3 No Ramp (3z)



Ramp 2A



Ramp 4A

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

Corridor : Project Name: Citv: 24th Ave SW GPS ID: 90068 Intersection of 24th Ave SW and George L Cross Dr

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)	l o l	<u>L</u> F	\$ 7.00	\$	
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00	\$	750.00
	Tactile Warning Device - New	20	SF	\$ 25.00	\$	500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	10 1	SF	<u>  \$ 60.00</u>	<u>  \$</u>	600.00
ODOT 619(B)-4792	Removal of Sidewalk	20	SY	\$ 12.00	\$	240.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	<u> </u>	<u>LF</u>	<u> </u>	\$	
	Crosswalk Pavement Markings	54	<u>LF</u>	<u> </u>	\$	324.00
	Repave Roadway	11	LS	\$ 5,000.00	1\$	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	<u> </u>	LS	\$ 500.00		
	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.00		-
Basis for Cost Proje				Subtotal		7,414.00
	✓ No Design Completed			gineering: (% +/-) 15%		1,536.86
	□ Preliminary Design		Cor	ntingency: (% +/-) 20%		2,049.14
	☐ Final Design			Estimated Project Cost	: \$	11,000.00

# Project Location







Intersection Issues		Cros	swalk		Possible Solutions
intersection issues	N	E	S	W	Possible Solutions
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	N/A	Y	N/A	N/A	Repave roadway and install crosswalk pavement markings
approaches	14/74	L^_	19/7	19/7	l
D. ( . (	N/A	N/A	N/A	N/A	
Path of travel cross slope is greater than 5% for free-flow approaches					
Crosswalk width is less than 6'	N/A	N/A	N/A	N/A	Install crosswalk pavement markings
Crosswalk striping condition	N/A	None	N/A	N/A	I

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



Corner 1 No Ramp (1z)





Ramp 2A



Corner 4 No Ramp (4z)

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

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

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 1	<u>L</u> F	İ \$	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	<u>  \$</u>	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	<u>LF</u>	\$	0.25 \$	
	Crosswalk Pavement Markings	0	<u>LF</u>	<u> </u>	6.00 \$	<del>-</del>
	Repave Roadway	0	LS	<u>  \$ 5,0</u>	00.00 \$	
	Fix Ponding	0	LS	\$ 2,0	00.00 \$	-
	Fix Curb Ramp Transition	0	LS		00.00 \$	
	Median Nose Modification	0	LS		00.00 \$	
	Remove Temporary Obstruction	<u> </u>	LS		00.00 \$	
	Fix Curb Ramp Counter Slope	0 1	<u>LS</u>		00.00   \$	-
Basis for Cost Proje					ubtotal: \$	1,466.00
	☑ No Design Completed			ngineering: (% +/-)	15% \$	228.86
	□ Preliminary Design		Co	ontingency: (% +/-)	20% \$	305.14
	☐ Final Design			Estimated Project	Cost: \$	2,000.00

# Project Location







Intersection Issues	N	Cros E	swalk S	W	Possible Solutions
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All d	riveway path (	of travel issue	es and possible	e solutions provided in driveway shapefile (TRPEDDRV)
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 'i' in ramp label indicates no Curb Ramp Issues existing ramp)			
, , , , , , , , , , , , , , , , , , ,	2A	ЗА	emening remip)	
Curb ramp does not exist and is needed	1			
Curb ramp does not land in crosswalk	Ť	i		
No 4' x 4' clear space at base of curb ramp	T	i		
Curbed side is not 90° or has traversable adjacent surface	Ť	Ī		
Flare cross slope is greater than 10%	†	ļ		
Curb ramp running slope is greater than 8.3%	T X	X		
Blended transition running slope is greater than 5%	<del></del>	†		
Cut-thru ramp running slope is greater than 5%	Ť	!		Remove and replace curb ramp
Curb ramp cross slope is greater than 2%	†	x		Tremove and replace curb famp
Cut-thru ramp cross slope is greater than 2%	Ť	†		
Curb ramp width is less than 48"	†-x-	İ		
Cut-thru ramp width is less than 60"	<b>†</b> -	†	1	
Permanent obstruction (>0.25") in curb ramp/landing/flares	<del> </del>	İ		
Temporary obstruction (>0.25") in curb ramp/landing/flares	T	!		
No textured surface at base of curb ramp	T-X-	x		For intersection, commercial driveway, and park ramps, install
No color contrast at base of curb ramp	TX	X		color truncated domes
Landing area does not exist and is needed	T	l		
Landing area is less than 5 x 5 or slopes greater than 2%	T	X_		Remove and replace landing area
Curb ramp transition onto roadway is greater than 0.25	<u> </u>			
Counter slope of the gutter or street at the foot of the curb ramp is				
greater than 5%	į	i I		
Ponding occurs at base of curb ramp	<del></del>	<u> </u>		







Ramp 3A

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

Corridor : Project Name: Citv: 24th Ave SW GPS ID: 90070 Intersection of 24th Ave SW and driveway (Lat. 35.212; Long. -97.4767).

Item No.	Item Description	Quantity	Unit		Jnit Price	Item Cost
ODOT 202(A)-018	33 Unclassified Excavation	0	CY		5.50 \$	-
ODOT 609(A)-030	00 Concrete Curb (6" Barrier-Integral)	I 0 I	LF	ls	7.00 <sup>i</sup> \$	-
ODOT 610(A)-060	)2 4" Concrete Sidewalk	111	SY	\$	50.00 \$	550.00
ODOT 610(I)-461	0 Tactile Warning Device - New		SF	\$	25.00 \$	250.00
ODOT 610(I)-461	5 Tactile Warning Device - Retrofit	10	SF	<u> </u>	60.00 \$	600.00
ODOT 619(B)-479	Removal of Sidewalk	12	SY	\$	12.00 \$	144.00
ODOT 857(F)-800	06 Pavement Marking Removal (Traffic Stripe)	0	LF	<u></u> \$	0.25 \$	-
	Crosswalk Pavement Markings	0	LF	<u> </u>	6.00 \$	-
	Repave Roadway	0 1	LS	<u>  \$</u>	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	<u> </u>	500.00 \$	
	Fix Curb Ramp Counter Slope	1 0 i	LS	\$	2,000.00   \$	-
Basis for Cost Pro	jection				Subtotal: \$	3,544.00

☑ No Design Completed☑ Preliminary Design

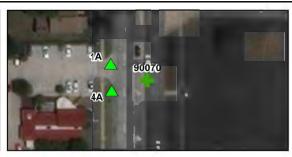
☐ Preliminary ☐ Final Design

Engineering: (% +/-) 15%
Contingency: (% +/-) 20%
Estimated Project Cost: 15% \$ 20% \$ 624.00 832.00 5,000.00

# Project Location







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

	Curl	Ramp	ID ('z' or 'i' in ramp label indicates no		
Curb Ramp Issues	existing ramp)			Possible Solutions	
	1A	4A			
Curb ramp does not exist and is needed	1				
Curb ramp does not land in crosswalk	†	11			
No 4' x 4' clear space at base of curb ramp	+	<b>!</b>			
Curbed side is not 90° or has traversable adjacent surface	Ť	i1			
Flare cross slope is greater than 10%	†	<b>!</b>			
Curb ramp running slope is greater than 8.3%	†	X-			
Blended transition running slope is greater than 5%	<del></del>	<b>!</b> 1			
Cut-thru ramp running slope is greater than 5%	<u> </u>	!1		Remove and replace curb ramp	
Curb ramp cross slope is greater than 2%	<b>+</b> -	1x-1		Internove and replace curb ramp	
Cut-thru ramp cross slope is greater than 2%	Ť	11			
Curb ramp width is less than 48"	Ť	ii			
Cut-thru ramp width is less than 60"	<b></b>	11			
Permanent obstruction (>0.25") in curb ramp/landing/flares	<del> </del>	t1			
Temporary obstruction (>0.25") in curb ramp/landing/flares	T	[ <u>]</u>			
No textured surface at base of curb ramp	TX	[_X_]		For intersection, commercial driveway, and park ramps, instal	
No color contrast at base of curb ramp	TX	[_X_]		color truncated domes	
Landing area does not exist and is needed	Ι	[]			
Landing area is less than 5° x 5° or slopes greater than 2%	1 ×			Remove and replace landing area	
Curb ramp transition onto roadway is greater than 0.25	X	<b> </b>		Fix curb ramp transition	
Counter slope of the gutter or street at the foot of the curb ramp is	1				
greater than 5%	İ	Ii			
Ponding occurs at base of curb ramp	T	T1			







Ramp 4A

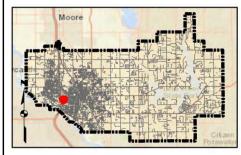
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Date: 4/30/18 Prepared By: CMP Checked By: EPE City of Norman ADA Self-Evaluation and Transition Plan 061298800 Client: Program: KHA No.:

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

Item No.	Item Description	Quantity	Unit	Unit Price		Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	<b>!</b> \$	5.50 \$	-
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	<u> </u>	<u>l</u>	İ \$	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.	<u> </u> \$	60.00 \$	600.00
ODOT 619(B)-4792	Removal of Sidewalk	12	SY	<u> </u>	12.00 \$	144.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	00	LF_	I \$	0.25 \$	-
	Crosswalk Pavement Markings	. 0	<u>LF</u>	! \$	6.00 \$	-
	Repave Roadway	I 0	LS	\$ 5,0	000.00 \$	-
	Fix Ponding	00	LS	<u>  \$ 2,0</u>	000.00 \$	-
	Fix Curb Ramp Transition	11	LS	\$ 2,0	000.00 \$	2,000.00
	Median Nose Modification	0	LS		000.00 \$	
	Remove Temporary Obstruction	<u> </u>	<u>LS</u>		500.00 \$	
	Fix Curb Ramp Counter Slope	1 0	<u>l LS</u>		000.00   \$	-
Basis for Cost Proje					ubtotal: \$	3,544.00
	☑ No Design Completed			Engineering: (% +/-)	15% \$	624.00
	□ Preliminary Design			Contingency: (% +/-)	20% \$	832.00
	☐ Final Design			Estimated Project	t Cost: \$	5,000.00

# Project Location







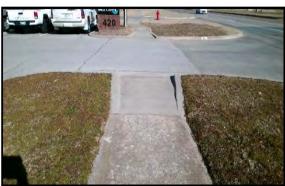
Intersection Issues	N	Cros E	swalk S	W	Possible Solutions
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All dı	iveway path o	of travel issue	es and possible	solutions provided in driveway shapefile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

	Curk	Ramp II	D ('z' or 'i' in ramp label indicates no			
Curb Ramp Issues	existing ramp)			Possible Solutions		
	1A	4A				
Curb ramp does not exist and is needed	1					
Curb ramp does not land in crosswalk	Ť					
No 4' x 4' clear space at base of curb ramp	<b>†</b>					
Curbed side is not 90° or has traversable adjacent surface	Ť					
Flare cross slope is greater than 10%	†					
Curb ramp running slope is greater than 8.3%	†					
Blended transition running slope is greater than 5%	T					
Cut-thru ramp running slope is greater than 5%	T			Remove and replace curb ramp		
Curb ramp cross slope is greater than 2%	T			Tremove and replace curb ramp		
Cut-thru ramp cross slope is greater than 2%	T					
Curb ramp width is less than 48"	T X					
Cut-thru ramp width is less than 60"	T					
Permanent obstruction (>0.25") in curb ramp/landing/flares	<b>T</b>					
Temporary obstruction (>0.25") in curb ramp/landing/flares	T					
No textured surface at base of curb ramp	TX	X_]		For intersection, commercial driveway, and park ramps, instal		
No color contrast at base of curb ramp	TX	X_]		color truncated domes		
Landing area does not exist and is needed	Ι					
Landing area is less than 5° x 5° or slopes greater than 2%	X	X		Remove and replace landing area		
Curb ramp transition onto roadway is greater than 0.25	X			Fix curb ramp transition		
Counter slope of the gutter or street at the foot of the curb ramp is						
greater than 5%	. I			İ		
Ponding occurs at base of curb ramp	T					

90071







Ramp 4A

## **Opinion of Probable Construction Cost Disclaimer:**

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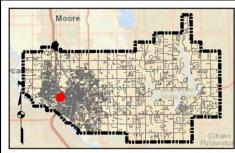
Date: 4/30/18 Prepared By: CMP Checked By: EPE City of Norman ADA Self-Evaluation and Transition Plan 061298800 Client: Program: KHA No.:

Corridor : Project Name: Citv: 24th Ave SW GPS ID: 90072 Intersection of 24th Ave SW and driveway (Lat. 35.2179; Long. -97.4767).

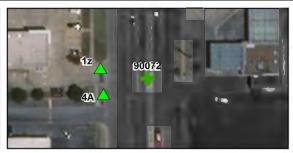
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-018	3 Unclassified Excavation	0	CY	\$ 5.50	\$
ODOT 609(A)-030	0 Concrete Curb (6" Barrier-Integral)	1 0	LF	l \$ 7.00 l	\$ -
ODOT 610(A)-060	2 4" Concrete Sidewalk	8	SY	\$ 50.00	\$ 400.00
ODOT 610(I)-4610	Tactile Warning Device - New	10	SF	\$ 25.00	\$ 250.00
ODOT 610(I)-461	Tactile Warning Device - Retrofit	10	SF	\$ 60.00	\$ 600.00
ODOT 619(B)-479	2 Removal of Sidewalk	11	SY	\$ 12.00	\$ 132.00
ODOT 857(F)-800	6 Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
	Crosswalk Pavement Markings	. 0	<u>LF</u>	\$ 6.00	\$ -
	Repave Roadway	l 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	1 0	LS	\$ 5,000.00	\$ -
	Remove Temporary Obstruction	0	LS	\$ 500.00	
	Fix Curb Ramp Counter Slope	j 0	<u>LS</u>	\$ 2,000.00	\$ -
Racic for Cost Proj	ection			Subtotal:	\$ 3323.00

,382.00 693.43 924.57 total: \$
15% \$
20% \$ Engineering: (% +/-) Contingency: (% +/-) Estimated Project Cost: 5,000.00

# Project Location







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

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

Photographs

90072



Corner 1 No Ramp (1z)



Ramp 4A

## **Opinion of Probable Construction Cost Disclaimer:**

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

Corridor : Project Name: Citv: 24th Ave NW GPS ID: 90073 Intersection of 24th Ave NW and driveway (Lat. 35.219; Long. -97.4767)

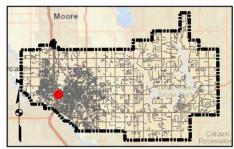
Item No.	Item Description	Quantity	Unit	Unit P	rice	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$	5.50 \$	-
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	l o	<u>LF</u>	İ \$	7.00 \$	
ODOT 610(A)-0602	4" Concrete Sidewalk	11	SY	\$	50.00 \$	550.00
ODOT 610(I)-4610	Tactile Warning Device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

Basis for Cost Projection

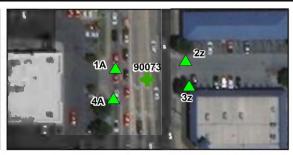
☑ No Design Completed
□ Preliminary Design
□ Final Design

Subtotal: \$ 15% \$ 20% \$ 2,756.00 533.14 710.86 Engineering: (% +/-) Contingency: (% +/-) Estimated Project Cost: 4,000.00

# Project Location





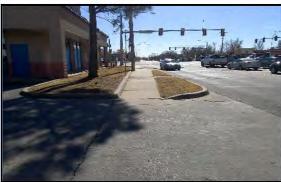


Intersection Issues		Cros	swalk	W	Possible Solutions			
Path of travel pavement condition	N	<u> </u>	5	VV				
Path of travel running slope is greater than 5%								
Path of travel cross slope is greater than 2% for stop control								
approaches	All driveway path of travel issues and possible solutions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

	Curl	Ram	) ID ('z	' or ' <i>i</i> ' ii	n ramp label indicates no			
Curb Ramp Issues				existing	g ramp)	Possible Solutions		
	1A	2z	3 <i>z</i>	4A				
Curb ramp does not exist and is needed	i	<u> </u>	<u> </u>					
Curb ramp does not land in crosswalk	T	i	Ī	i				
No 4' x 4' clear space at base of curb ramp	†	†	T					
Curbed side is not 90° or has traversable adjacent surface	Ť	Ī	T	Î				
Flare cross slope is greater than 10%	†	ļ	ļ					
Curb ramp running slope is greater than 8.3%	†	†	<del> </del>	X				
Blended transition running slope is greater than 5%	<del> </del>	†	<del></del>	!				
Cut-thru ramp running slope is greater than 5%	T	<u> </u>	<del></del>			Remove and replace curb ramp		
Curb ramp cross slope is greater than 2%	†	†	<del> </del>	i		Tremove and replace curb famp		
Cut-thru ramp cross slope is greater than 2%	Ť	†	<del></del>					
Curb ramp width is less than 48"	Ť	İ	†	İ				
Cut-thru ramp width is less than 60"	<b>†</b>	†	<del> </del>					
Permanent obstruction (>0.25") in curb ramp/landing/flares	<b>†</b>	†	<b></b>					
Temporary obstruction (>0.25") in curb ramp/landing/flares	T	!	T					
No textured surface at base of curb ramp	T-X-	Ix	L-X-	X		For intersection, commercial driveway, and park ramps, install		
No color contrast at base of curb ramp	T-X-	x	x	X		color truncated domes		
Landing area does not exist and is needed	T	[	Γ					
Landing area is less than 5 x 5 or slopes greater than 2%	T-x-	I		X		Remove and replace landing area		
Curb ramp transition onto roadway is greater than 0.25	<u> </u>	<u> </u>	<u> </u>					
Counter slope of the gutter or street at the foot of the curb ramp is			l					
greater than 5%	İ	İ	l	i				
Ponding occurs at base of curb ramp	<del></del>	†	<del></del> -	!		<u> </u>		



Ramp 1A



Corner 3 No Ramp (3z)



Corner 2 No Ramp (2z)



Ramp 4A

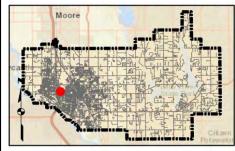
The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only 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.

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

Corridor : Project Name: Citv: 24th Ave NW GPS ID: 90074 Intersection of 24th Ave NW and driveway (Lat. 35.222; Long. -97.4767) 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)	<u>l</u> 0	<u>LF</u>	l s	7.00   \$	
ODOT 610(A)-0602	4" Concrete Sidewalk	18	SY	\$	50.00 \$	900.00
	Tactile Warning Device - New	20	SF	\$	25.00 \$	500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	. 0	SF	<u>                                     </u>	60.00 \$	
ODOT 619(B)-4792	Removal of Sidewalk	21	SY	\$	12.00 \$	252.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	00	LF LF	\$	0.25 \$	-
	Crosswalk Pavement Markings	<u> </u>	<u>LF</u>	! \$	6.00 \$	-
	Repave Roadway	l 0	LS	<u>  \$                                   </u>	5,000.00 \$	-
	Fix Ponding	00	LS	\$	2,000.00 \$	-
	Fix Curb Ramp Transition	0	LS	\$	2,000.00 \$	-
	Median Nose Modification	0	LS	\$	5,000.00 \$	
	Remove Temporary Obstruction	<u> </u>	LS		500.00 \$	-
	Fix Curb Ramp Counter Slope	1 0	<u>LS</u>	\$	2,000.00   \$	-
Basis for Cost Proje					Subtotal: \$	1,652.00
	✓ No Design Completed			ineering: (% +/-)		577.71
	□ Preliminary Design		Cor	ntingency: (% +/-)		770.29
	☐ Final Design			Estimated P	roject Cost: \$	3,000.00

# Project Location







Intersection Issues		Cros	swalk		Possible Solutions			
		N E S		W				
Path of travel pavement condition								
Path of travel running slope is greater than 5%								
Path of travel cross slope is greater than 2% for stop control		1						
approaches	All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV)							
					,			
Path of travel cross slope is greater than 5% for free-flow approaches								
Crosswalk width is less than 6'								
Crosswalk striping condition								

	Curl	Ramp	) ID ('z	' or ' <i>i</i> ' ir	n ramp label indicates no			
Curb Ramp Issues				existing	g ramp) Possible Solutions	Possible Solutions		
	1A	2A	3A	4A				
Curb ramp does not exist and is needed	1	<u> </u>	!					
Curb ramp does not land in crosswalk	†	i	i					
No 4' x 4' clear space at base of curb ramp	T	i	T					
Curbed side is not 90° or has traversable adjacent surface	Ť	Ĭ	Ť	11				
Flare cross slope is greater than 10%	<b>†</b> -	ļ	ļ					
Curb ramp running slope is greater than 8.3%	† X	i	<del> </del>					
Blended transition running slope is greater than 5%	T	!	<del></del> -	<b>-</b>				
Cut-thru ramp running slope is greater than 5%	<b>†</b>	!	ļ		Remove and replace curb ramp			
Curb ramp cross slope is greater than 2%	†	i	†	- X	Tremove and replace early ramp			
Cut-thru ramp cross slope is greater than 2%	<b>†</b> -	†	<del></del> -	1				
Curb ramp width is less than 48"	†	İ	†	ii				
Cut-thru ramp width is less than 60"	<b>†</b>	!	†	<b>-</b>				
Permanent obstruction (>0.25") in curb ramp/landing/flares	T-X-	i	İ	1				
Temporary obstruction (>0.25") in curb ramp/landing/flares	T	[		[]				
No textured surface at base of curb ramp	T-X-	[		X	For intersection, commercial driveway, and	park ramps, install		
No color contrast at base of curb ramp	TX		Γ	X	color truncated domes			
Landing area does not exist and is needed	T	[ <u></u>						
Landing area is less than 5 x 5 or slopes greater than 2%	1 ×	<u>.                                     </u>	L	LJ	Remove and replace landing area			
Curb ramp transition onto roadway is greater than 0.25	┷	<u> </u>	L	<u> </u>				
Counter slope of the gutter or street at the foot of the curb ramp is			l	<b> </b>				
greater than 5%	1	İ	İ					
Ponding occurs at base of curb ramp	T	[	T	T1				



Ramp 1A



Ramp 3A



Ramp 2A



Ramp 4A

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

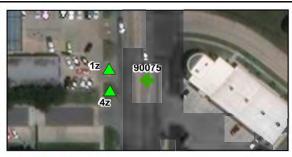
Corridor : Project Name: Citv: 24th Ave NW GPS ID: 90075 Intersection of 24th Ave NW and driveway (Lat. 35.2221; Long. -97.4767).

Item No.	Item Description	Quantity	Unit	Unit Price		Item Cost
ODOT 202(A)-0183	Unclassified Excavation	00	CY	\$	5.50 \$	-
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	<u> </u>	<u>LF</u>	İ \$	7.00 S	
ODOT 610(A)-0602	4" Concrete Sidewalk	0	SY		50.00 \$	<u>-</u>
	Tactile Warning Device - New	00	SF	\$ 2	25.00 \$	
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	20	SF	! \$	80.00	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	<u> </u>	0.25 \$	-
	Crosswalk Pavement Markings	0	<u>LF</u>	! \$	6.00 \$	-
	Repave Roadway	l 0	LS	i \$ 5,00	00.00   \$	-
	Fix Ponding	0	LS	\$ 2,00	00.00 \$	-
	Fix Curb Ramp Transition	0	LS	\$ 2,00	00.00 \$	-
	Median Nose Modification	0	LS	\$ 5,00	00.00 \$	-
	Remove Temporary Obstruction	<u> </u>	LS		00.00 \$	
	Fix Curb Ramp Counter Slope	1 0	<u>LS</u>		00.00   \$	-
Basis for Cost Proje					btotal: \$	1,200.00
	✓ No Design Completed			ineering: (% +/-)	15% \$	342.86
	□ Preliminary Design		Cor	ntingency: (% +/-)	20% \$	457.14
	☐ Final Design			Estimated Project	Cost: \$	2,000.00
				•		

# Project Location







Intersection Issues	Crosswalk N E S W			w	Possible Solutions
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All d	riveway path (	of travel issue	es and possible	e solutions provided in driveway shapefile (TRPEDDRV)
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	Curk	Ramp	o ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions
Out Namp issues	1 <i>z</i>	4 <i>z</i>	existing ramp)	1 dasible dolutions
Curb ramp does not exist and is needed	i			
Curb ramp does not land in crosswalk	†			
No 4' x 4' clear space at base of curb ramp	†			
Curbed side is not 90° or has traversable adjacent surface	Ť			
Flare cross slope is greater than 10%	T			
Curb ramp running slope is greater than 8.3%	<u> </u>			
Blended transition running slope is greater than 5%	T			
Cut-thru ramp running slope is greater than 5%	T			
Curb ramp cross slope is greater than 2%	T			
Cut-thru ramp cross slope is greater than 2%	T			
Curb ramp width is less than 48"	Τ			
Cut-thru ramp width is less than 60"	T			
Permanent obstruction (>0.25") in curb ramp/landing/flares Temporary obstruction (>0.25") in curb ramp/landing/flares	ļ			
No textured surface at base of curb ramp	X	x		For intersection, commercial driveway, and park ramps, install
No color contrast at base of curb ramp	X	Х		color truncated domes
Landing area does not exist and is needed	T			
Landing area is less than 5 x 5 or slopes greater than 2%	T			
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%	İ			
Ponding occurs at base of curb ramp	T			

90075



Corner 1 No Ramp (1z)



Corner 4 No Ramp (4z)

## **Opinion of Probable Construction Cost Disclaimer:**

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

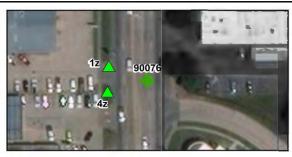
Corridor : Project Name: Citv: 24th Ave NW GPS ID: 90076 Intersection of 24th Ave NW and driveway (Lat. 35.2225; Long. -97.4767) Norman

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)	<u> </u>	<u>L</u> F	l s	7.00 \$	-
ODOT 610(A)-0602	4" Concrete Sidewalk	<u> </u>	SY	\$5	0.00 \$	
	Tactile Warning Device - New	00	SF	\$ 2	5.00 \$	
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	20	SF		0.00 \$	1,200.00
ODOT 619(B)-4792	Removal of Sidewalk	0	SY	\$ 1	2.00 \$	-
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	00	LF	\$	0.25 \$	-
	Crosswalk Pavement Markings	<u> </u>	LF.	! \$	6.00 \$	-
	Repave Roadway	l 0	LS LS	1\$ 5,00	0.00 \$	-
	Fix Ponding	0	LS	\$ 2,00	0.00 \$	-
	Fix Curb Ramp Transition	0	LS	\$ 2,00	0.00 \$	-
	Median Nose Modification	0	LS LS	\$ 5,00	0.00 \$	-
	Remove Temporary Obstruction	<u> </u>	LS		0.00 \$	<u> </u>
	Fix Curb Ramp Counter Slope	1 0	<u>i</u> LS		0.00   \$	-
Basis for Cost Proje					total: \$	1,200.00
	✓ No Design Completed			ineering: (% +/-)	15% \$	342.86
	□ Preliminary Design		Cor	tingency: (% +/-)	20% \$	457.14
	☐ Final Design			Estimated Project	Cost: \$	2,000.00

# Project Location







Intersection Issues	N	Cros E	swalk S	W	Possible Solutions
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All dr	iveway path o	of travel issue	s and possible s	solutions provided in driveway shapefile (TRPEDDRV)
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	Curl	b Ramp	ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions
	1 <i>z</i>	4z		
Curb ramp does not exist and is needed				
Curb ramp does not land in crosswalk	T	ĪĪ		
No 4' x 4' clear space at base of curb ramp	T	<b>!</b> 1		
Curbed side is not 90° or has traversable adjacent surface	Т	T7		
Flare cross slope is greater than 10%	<del></del>	† <u> </u>		
Curb ramp running slope is greater than 8.3%	<del></del>	<b>†</b>		
Blended transition running slope is greater than 5%		t1		
Cut-thru ramp running slope is greater than 5%	+	t1		
Curb ramp cross slope is greater than 2%	<del></del>	t1		
Cut-thru ramp cross slope is greater than 2%	<del></del>	t1		
Curb ramp width is less than 48"	<del></del>	†1		
Cut-thru ramp width is less than 60"	+	t1		
Permanent obstruction (>0.25") in curb ramp/landing/flares		t		
Temporary obstruction (>0.25") in curb ramp/landing/flares	<u> </u>	!1		
No textured surface at base of curb ramp	T-X-	T-X-1		For intersection, commercial driveway, and park ramps, instal
No color contrast at base of curb ramp	T-x-	TX-7		color truncated domes
Landing area does not exist and is needed	T	11		
Landing area is less than 5 x 5 or slopes greater than 2%		IJ		
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	T	I		
greater than 5%				
Ponding occurs at base of curb ramp	-+	t		



Corner 1 No Ramp (1z)



Corner 4 No Ramp (4z)

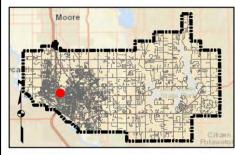
The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only 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.

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: 90077
Project Name: Intersection of 24th Ave NW and driveway (Lat. 35.2228; Long. -97.4766)
City: Norman

Item No.	Item Description	Quantity	Unit	Unit P	rice	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$	5.50 \$	-
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	<u> </u>	<u>l</u>	l s	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	00	<u> </u>	<u>  \$</u>	60.00 \$	<u>-</u>
ODOT 619(B)-4792	Removal of Sidewalk	8	SY	\$	12.00 \$	96.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	<u>LF</u>		0.25 \$	
	Crosswalk Pavement Markings	0	<u>LF</u>	! \$	6.00 \$	-
	Repave Roadway	0	LS LS	\$	5,000.00 \$	-
	Fix Ponding	00	LS	\$	2,000.00 \$	-
	Fix Curb Ramp Transition	11	LS	\$	2,000.00 \$	2,000.00
	Median Nose Modification	00	LS LS	\$	5,000.00 \$	
	Remove Temporary Obstruction	<u> </u>	LS LS	<u>  \$</u>	500.00 \$	
	Fix Curb Ramp Counter Slope	11	<u>LS</u>	\$	2,000.00   \$	2,000.00
Basis for Cost Proje					Subtotal: \$	4,746.00
	☑ No Design Completed			Engineering: (% +/-)	15% \$	966.00
	□ Preliminary Design			Contingency: (% +/-)	20% \$	1,288.00
	☐ Final Design			Estimated Pro	ject Cost: \$	7,000.00

# Project Location







Intersection Issues	N	Cros E	swalk S	W	Possible Solutions
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All dı	iveway path o	of travel issue	s and possible	solutions provided in driveway shapefile (TRPEDDRV)
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	Cur	b Ramp I	D ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions
	1A	4A		
Curb ramp does not exist and is needed			10.00	
Curb ramp does not land in crosswalk	T	ii		
No 4' x 4' clear space at base of curb ramp	T	<b>!</b>		
Curbed side is not 90° or has traversable adjacent surface	Ť	t1		
Flare cross slope is greater than 10%	<b>T</b>	11		
Curb ramp running slope is greater than 8.3%	<b>T</b> -	†		
Blended transition running slope is greater than 5%		t1		
Cut-thru ramp running slope is greater than 5%		t1		Remove and replace curb ramp
Curb ramp cross slope is greater than 2%	T X	† <u> </u>		Themove and replace curb ramp
Cut-thru ramp cross slope is greater than 2%	<del></del>	t1		
Curb ramp width is less than 48"	Ť	†1		
Cut-thru ramp width is less than 60"	+	t1		
Permanent obstruction (>0.25") in curb ramp/landing/flares	<del>                                     </del>	t		
Temporary obstruction (>0.25") in curb ramp/landing/flares	T	<u> </u>		
No textured surface at base of curb ramp	T	T7		
No color contrast at base of curb ramp	T	T7		
Landing area does not exist and is needed	T	[]		
Landing area is less than 5 x 5 or slopes greater than 2%	T	I]		
Curb ramp transition onto roadway is greater than 0.25	X			Fix curb ramp transition
Counter slope of the gutter or street at the foot of the curb ramp is	Х			Fix curb ramp counter slope
greater than 5%	1 ~			
Ponding occurs at base of curb ramp	<del></del>	t1		

Photographs







Ramp 4A

## **Opinion of Probable Construction Cost Disclaimer:**

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

Corridor : Project Name: Citv: 24th Ave NW GPS ID: 90078 Intersection of 24th Ave NW and driveway (Lat. 35.2226; Long. -97.4766) 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)	l o l	LF	ls	7.00 \$	
ODOT 610(A)-0602	4" Concrete Sidewalk	<u> </u>	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	<u>  \$                                   </u>	60.00 \$	600.00
ODOT 619(B)-4792	Removal of Sidewalk	0	SY		12.00 \$	
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	<u> </u>	<u>LF</u>	<u>   \$                                   </u>	0.25 \$	-
	Crosswalk Pavement Markings	0	<u>LF</u>	<u>  \$</u>	6.00 \$	<u>-</u>
	Repave Roadway	l 0 l	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	<u> \$</u>	5,000.00 \$	
	Remove Temporary Obstruction	<u> </u>	LS	<u> </u>	500.00 \$	
	Fix Curb Ramp Counter Slope	1 0 1	LS	\$	2,000.00   \$	-

Basis for Cost Projection

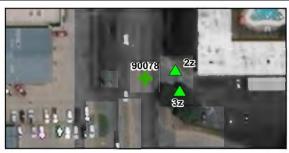
No Design Completed
Preliminary Design
Final Design

Subtotal: \$ 15% \$ 20% \$ 1,400.00 257.14 342.86 Engineering: (% +/-)
Contingency: (% +/-)
Estimated Pro 2,000.00

# Project Location







Intersection Issues		Cros	swalk	14/	Possible Solutions
Dath of travel never ent condition	N	E	5	W	
Path of travel pavement condition Path of travel running slope is greater than 5%					
Path of travel cross slope is greater than 3%  Path of travel cross slope is greater than 2% for stop control					
approaches					
approacries	All di	riveway path o	of travel issue	es and possible	e solutions provided in driveway shapefile (TRPEDDRV)
Path of travel cross slope is greater than 5% for free-flow approaches					
Crosswalk width is less than 6'					
Crosswalk striping condition					

	Cur	b Ram	DID ('z' or 'i' in ramp label indicates no	
Curb Ramp Issues			existing ramp)	Possible Solutions
	2 <i>z</i>	3 <i>z</i>		
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	Ť	Ť		
Flare cross slope is greater than 10%	+	†		
Curb ramp running slope is greater than 8.3%	<del>                                     </del>	†		
Blended 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%	<del>                                     </del>	†		
Curb ramp width is less than 48"	·†	†		
Cut-thru ramp width is less than 60"	+	†	1	
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	T	1x		For intersection, commercial driveway, and park ramps, insta
No color contrast at base of curb ramp	T	Ix		color truncated domes
Landing area does not exist and is needed	T	†		
Landing area is less than 5 x 5 or slopes greater than 2%	<b>I</b>	İ		
Curb ramp transition onto roadway is greater than 0.25	T	T		
Counter slope of the gutter or street at the foot of the curb ramp is	T	T		
greater than 5%				
Ponding occurs at base of curb ramp		†		



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)

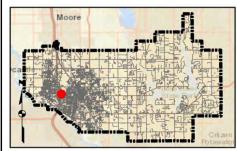
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City of Norman ADA Self-Evaluation and Transition Plan 061298800 Client: Date: 4/30/18 Prepared By: CMP Checked By: EPE Program: KHA No.:

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

Item No.	Item Description	Quantity	Unit	Unit Price		Item Cost
ODOT 202(A)-0183	Unclassified Excavation	00	CY	\$ 5.	0 \$	-
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	l o	<u>L</u> F	İ\$ 7.0	00 S	
ODOT 610(A)-0602	4" Concrete Sidewalk	0	SY	\$ 50.0	00 \$	
	Tactile Warning Device - New	00	SF	\$ 25.0	00 \$	
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	20	SF	l \$ 60.0	00 \$	1,200.00
ODOT 619(B)-4792	Removal of Sidewalk	0	SY	\$ 12.0	00 \$	-
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.:	25 \$	-
	Crosswalk Pavement Markings	0	LF.	l \$ 6.0	00 \$	-
	Repave Roadway	00	LS LS	\$ 5,000.0	00 \$	-
	Fix Ponding	00	LS	\$ 2,000.0	00 \$	-
	Fix Curb Ramp Transition	0	LS	\$ 2,000.0	00 \$	-
	Median Nose Modification	00	LS	\$ 5,000.0		
	Remove Temporary Obstruction	<u> </u>	<u>LS</u>	\$ 500.0		
	Fix Curb Ramp Counter Slope	1 0	<u>i</u> LS	j\$ 2,000.0		-
Basis for Cost Proje				Subto		1,200.00
	✓ No Design Completed				5% \$	342.86
	□ Preliminary Design		Cor		)% \$	457.14
	☐ Final Design			Estimated Project Co	st: \$	2,000.00
				_	·	

# Project Location







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

Curb Roma legues	Curl	Ramp	DID ('z' or 'i' in ramp label indicates no	Possible Solutions
Curb Ramp Issues	2 <i>z</i>	3 <i>z</i>	existing ramp)	Possible Solutions
Curb ramp does not exist and is needed	1			
Curb ramp does not land in crosswalk	Ť	i		
No 4' x 4' clear space at base of curb ramp	T			
Curbed side is not 90° or has traversable adjacent surface	Ť			
Flare cross slope is greater than 10%	<b>†</b> -			
Curb ramp running slope is greater than 8.3%	<del> </del>	<b>!</b>		
Blended transition running slope is greater than 5%	T			
Cut-thru ramp running slope is greater than 5%	T			
Curb ramp cross slope is greater than 2%	†			
Cut-thru ramp cross slope is greater than 2%	T			
Curb ramp width is less than 48"	Ť	I		
Cut-thru ramp width is less than 60"	T			
Permanent obstruction (>0.25") in curb ramp/landing/flares Temporary obstruction (>0.25") in curb ramp/landing/flares	<del> </del>			
No textured surface at base of curb ramp	†x-	x-		For intersection, commercial driveway, and park ramps, install
No color contrast at base of curb ramp	†x	x-		color truncated domes
Landing area does not exist and is needed	<del>+</del>	<b>!</b>		
Landing area is less than 5 x 5 or slopes greater than 2%	<b>†</b>	i		
Curb ramp transition onto roadway is greater than 0.25	T	[ <u>-</u>		
Counter slope of the gutter or street at the foot of the curb ramp is	T	i		
greater than 5%	1			
Ponding occurs at base of curb ramp	+	<del> </del>		

Photographs

90079



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)

## **Opinion of Probable Construction Cost Disclaimer:**

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

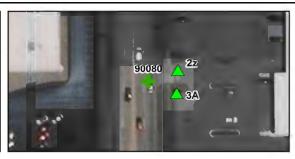
Corridor : Project Name: Citv: 24th Ave NW GPS ID: 90080 Intersection of 24th Ave NW and driveway (Lat. 35.2203; Long. -97.4766) Norman

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)	l o	<u>L</u> F	i s	7.00 S	
ODOT 610(A)-0602	4" Concrete Sidewalk	<u> </u>	SY	\$5	0.00 \$	
	Tactile Warning Device - New	00	SF	\$2	5.00 \$	
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	20	SF.	!\$ 6	0.00 \$	1,200.00
ODOT 619(B)-4792	Removal of Sidewalk	0	SY	\$ 1	2.00 \$	-
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	00	<u>LF</u>	\$	0.25 \$	-
	Crosswalk Pavement Markings	0	<u>LF</u>	! \$	6.00 \$	-
	Repave Roadway	0	LS LS	1\$ 5,00	0.00 \$	-
	Fix Ponding	0	LS	\$ 2,00	0.00 \$	-
	Fix Curb Ramp Transition	0	LS	\$ 2,00	0.00 \$	-
	Median Nose Modification	0	LS LS	\$ 5,00	0.00 \$	<u> </u>
	Remove Temporary Obstruction	<u> </u>	LS		0.00 \$	
	Fix Curb Ramp Counter Slope	1 0	<u>i LS</u>		0.00   \$	-
Basis for Cost Proje					total: \$	1,200.00
	☑ No Design Completed				15% \$	342.86
	□ Preliminary Design		Cor		20% \$	457.14
	☐ Final Design			Estimated Project (	Cost: \$	2,000.00
				•		

# Project Location







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

	Curl	Ramp	ID ('z' or 'i' in ramp label indicates no	
Curb Ramp Issues			existing ramp)	Possible Solutions
	2z	3A		
Curb ramp does not exist and is needed		L		
Curb ramp does not land in crosswalk	T			
No 4' x 4' clear space at base of curb ramp	T	T7		
Curbed side is not 90° or has traversable adjacent surface	T	T7		
Flare cross slope is greater than 10%	T	! <u>-</u>		
Curb ramp running slope is greater than 8.3%	T	11		
Blended transition running slope is greater than 5%	T	T1		
Cut-thru ramp running slope is greater than 5%	T	11		
Curb ramp cross slope is greater than 2%	Ť	11		
Cut-thru ramp cross slope is greater than 2%	T	11		
Curb ramp width is less than 48"	T	T7		
Cut-thru ramp width is less than 60"	T	11		
Permanent obstruction (>0.25") in curb ramp/landing/flares	T			
Temporary obstruction (>0.25") in curb ramp/landing/flares	T	[]		
No textured surface at base of curb ramp	X	X]		For intersection, commercial driveway, and park ramps, insta
No color contrast at base of curb ramp	X	X_]		color truncated domes
Landing area does not exist and is needed				
Landing area is less than 5 x 5 or slopes greater than 2%	<b>.</b>	<b> </b>		
Curb ramp transition onto roadway is greater than 0.25		<b> </b>		
Counter slope of the gutter or street at the foot of the curb ramp is				
greater than 5%	_ i	Ii		
Ponding occurs at base of curb ramp	T	T1		







Ramp 3A

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

Corridor : Project Name: Citv: 24th Ave NW GPS ID: 90081 Intersection of 24th Ave NW and driveway (Lat. 35.2199; Long. -97.4766) 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)	<u> </u>	<u>LF</u>	! s	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	<u> </u>	25.00 \$	500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	<u> </u>	! SF	<u> </u> \$	60.00 \$	
ODOT 619(B)-4792	Removal of Sidewalk	18	SY		12.00 \$	216.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	<u> </u>	<u> </u>	<u>  \$</u>	0.25 \$	
	Crosswalk Pavement Markings	0	<u>LF</u>	<u> </u> \$	6.00 \$	<del>-</del>
	Repave Roadway	00	LS_	\$ 5,0	00.00 \$	
	Fix Ponding	0	LS	\$ 2,0	00.00 \$	-
	Fix Curb Ramp Transition	. 0	LS	\$ 2,0	00.00 \$	
	Median Nose Modification	00	LS		00.00 \$	
	Remove Temporary Obstruction	<u> </u>	LS_		00.00 \$	
	Fix Curb Ramp Counter Slope	1	<u>LS</u>		00.00   \$	2,000.00
Basis for Cost Proje					btotal: \$	3,466.00
	☑ No Design Completed			Engineering: (% +/-)	15% \$	657.43
	Preliminary Design			Contingency: (% +/-)	20% \$	876.57
	☐ Final Design			Estimated Project	Cost: \$	5,000.00

# Project Location







Intersection Issues	N	Cros E	swalk S	W	Possible Solutions
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All dı	iveway path o	of travel issue	s and possible	solutions provided in driveway shapefile (TRPEDDRV)
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	Curl	Ram	p ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions
'	2A	ЗА	3 4 17	
Curb ramp does not exist and is needed	1			
Curb ramp does not land in crosswalk	T	i		
No 4' x 4' clear space at base of curb ramp	†	i		
Curbed side is not 90° or has traversable adjacent surface	Ť	Ī		
Flare cross slope is greater than 10%	†	!		
Curb ramp running slope is greater than 8.3%	T X	X		
Blended transition running slope is greater than 5%	<del></del>	i		
Cut-thru ramp running slope is greater than 5%	Ť	!		Remove and replace curb ramp
Curb ramp cross slope is greater than 2%	† X	X		Tremove and replace curb ramp
Cut-thru ramp cross slope is greater than 2%	<del></del>	!		
Curb ramp width is less than 48"	Ť	İ		
Cut-thru ramp width is less than 60"	<b>†</b> -	<del> </del>	1	
Permanent obstruction (>0.25") in curb ramp/landing/flares	<del> </del>			
Temporary obstruction (>0.25") in curb ramp/landing/flares	T	!		
No textured surface at base of curb ramp	T-X-	x		For intersection, commercial driveway, and park ramps, install
No color contrast at base of curb ramp	TX	x		color truncated domes
Landing area does not exist and is needed	T			
Landing area is less than 5 x 5 or slopes greater than 2%	I	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	-	×		Fix curb ramp counter slope
greater than 5%	İ	l ^`		
Ponding occurs at base of curb ramp	T	i		

90081







Ramp 3A

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

Corridor : Project Name: Citv: 24th Ave NW GPS ID: 90082 Intersection of 24th Ave NW and driveway (Lat. 35.2235; Long. -97.4767) Norman

Item No.	Item Description	Quantity	Unit		Unit Price	Item Cost
ODOT 202(A)-018	83 Unclassified Excavation	0 1	CY	\$	5.50 \$	-
ODOT 609(A)-030	00 Concrete Curb (6" Barrier-Integral)	I 0 I	<u>L</u> F	İ\$	7.00 \$	
ODOT 610(A)-060	02 4" Concrete Sidewalk	131	SY		50.00 \$	650.00
ODOT 610(I)-461	0 Tactile Warning Device - New	10	SF	\$	25.00 \$	250.00
ODOT 610(I)-461	5 Tactile Warning Device - Retrofit	<u> </u>	SF	<u>l \$</u>	60.00 \$	1,800.00
ODOT 619(B)-479	92 Removal of Sidewalk	17	SY		12.00 \$	204.00
ODOT 857(F)-800	06 Pavement Marking Removal (Traffic Stripe)	l0l	<u>LF</u>	<u> </u>	0.25 \$	
	Crosswalk Pavement Markings	0 1	LF	<u>! s</u>	6.00 \$	<u>-</u>
	Repave Roadway	0 1	LS	İ\$	5,000.00 \$	-
	Fix Ponding	0 1	LS	\$	2,000.00 \$	-
	Fix Curb Ramp Transition	2	LS	\$	2,000.00 \$	4,000.00
	Median Nose Modification	0	LS	<u>  \$</u>	5,000.00 \$	
	Remove Temporary Obstruction	<u>0</u>	LS	\$	500.00 \$	<u></u>
	Fix Curb Ramp Counter Slope	1 0 1	LS	\$	2,000.00   \$	-
Basis for Cost Pro	niection				Subtotal: \$	6 904 00

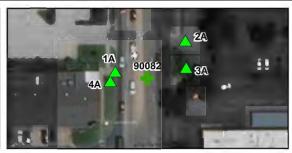
No Design Completed
 Preliminary Design
 Final Design

15% \$ 20% \$ 1,326.86 1,769.14 Engineering: (% +/-) 15%
Contingency: (% +/-) 20%
Estimated Project Cost: 10,000.00

# Project Location







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

	Curk	Ramp			n ramp label indicates no			
Curb Ramp Issues				existing	g ramp)	Possible Solutions		
	1A	2A	3A	4A				
Curb ramp does not exist and is needed		<u> </u>						
Curb ramp does not land in crosswalk	†	i	i	† <u>†</u>				
No 4' x 4' clear space at base of curb ramp	T	i		† <u> </u>				
Curbed side is not 90° or has traversable adjacent surface	Ť	Ì	i	†1				
Flare cross slope is greater than 10%	†	ļ		† <u> </u>				
Curb ramp running slope is greater than 8.3%	†	X		† <u>-</u>				
Blended transition running slope is greater than 5%	<del> </del>	t		tt				
Cut-thru ramp running slope is greater than 5%	<del> </del>	<b>!</b>		† <u>-</u>		Remove and replace curb ramp		
Curb ramp cross slope is greater than 2%	<b>†</b> -	t	l	t1		Internove and replace curb ramp		
Cut-thru ramp cross slope is greater than 2%	<del>†</del>	<u> </u>		† <u>-</u>				
Curb ramp width is less than 48"	†	†	i	†i				
Cut-thru ramp width is less than 60"	+	<del> </del>	<del> </del>	tI				
Permanent obstruction (>0.25") in curb ramp/landing/flares	<del> </del>	x	<del> </del>	tt				
Temporary obstruction (>0.25") in curb ramp/landing/flares	<b>†</b>	!		† <u>-</u>				
No textured surface at base of curb ramp	T X	x	x	X		For intersection, commercial driveway, and park ramps, install		
No color contrast at base of curb ramp	Ť X	x	X	X		color truncated domes		
Landing area does not exist and is needed	T			11				
Landing area is less than 5' x 5' or slopes greater than 2%	T-X-	×		X-		Remove and replace landing area		
Curb ramp transition onto roadway is greater than 0.25	T	X	X	T		Fix curb ramp transition		
Counter slope of the gutter or street at the foot of the curb ramp is	T	l		T				
greater than 5%	1							
Ponding occurs at base of curb ramp	+	t	<del> </del>	t1				



Ramp 1A



Ramp 3A



Ramp 2A



Ramp 4A

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

Corridor : Project Name: Citv: 24th Ave NW GPS ID: 90083 Intersection of 24th Ave NW and driveway (Lat. 35.2237; Long. -97.4767).

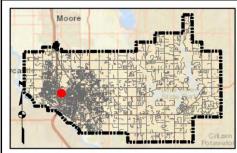
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0 1	<u>L</u> F	İ\$ 7.00	İs -
ODOT 610(A)-0602	4" Concrete Sidewalk	66	SY	\$ 50.00	\$ 300.00
ODOT 610(I)-4610	Tactile Warning Device - New	0	SF	\$ 25.00	\$ -
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0 1	SF	\$ 60.00	l \$ -
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	l \$ -
	Repave Roadway	0 1	LS	\$ 5,000.00	<u>                                     </u>
	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	<u> </u>	LS	\$ 500.00	
	Fix Curb Ramp Counter Slope	<u> </u>	LS	j\$ 2,000.00	! \$ -

Basis for Cost Projection

No Design Completed
Preliminary Design
Final Design

Subtotal: \$
15% \$
20% \$ 372.00 269.14 Engineering: (% +/-) Contingency: (% +/-) 358.86 Estimated Project Cost: 1,000.00

# Project Location







Intersection Issues	N	Cros E	swalk S	W	Possible Solutions
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All dı	iveway path o	of travel issue	s and possible	solutions provided in driveway shapefile (TRPEDDRV)
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	Curl 1A	Ramp	ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions
Curb ramp does not exist and is needed	i			
Curb ramp does not land in crosswalk	T	Īī		
No 4'x 4' clear space at base of curb ramp	T	i		
Curbed side is not 90° or has traversable adjacent surface	Τ			
Flare cross slope is greater than 10%	T			
Curb ramp running slope is greater than 8.3%	T			
Blended transition running slope is greater than 5%	T			
Cut-thru ramp running slope is greater than 5%	İ			
Curb ramp cross slope is greater than 2%	†			
Cut-thru ramp cross slope is greater than 2%	†			
Curb ramp width is less than 48"	†	ii		
Cut-thru ramp width is less than 60"	†	!		
Permanent obstruction (>0.25") in curb ramp/landing/flares	<u> </u>			
Temporary obstruction (>0.25") in curb ramp/landing/flares	T			
No textured surface at base of curb ramp	T			
No color contrast at base of curb ramp	T	T7		
Landing area does not exist and is needed	$\Box$			
Landing area is less than 5 x 5 or slopes greater than 2%	x_			Remove and replace landing area
Curb ramp transition onto roadway is greater than 0.25	<u> </u>			
Counter slope of the gutter or street at the foot of the curb ramp is				
greater than 5%	İ			
Ponding occurs at base of curb ramp	<b>†</b>			







Ramp 4A

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

Corridor : Project Name: Citv: 24th Ave NW GPS ID: 90084 Intersection of 24th Ave NW and driveway (Lat. 35.2238; Long. -97.4767).

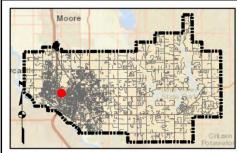
Item No.	Item Description	Quantity	Unit		Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$	5.50 \$	-
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	l 0 l	<u>LF</u>	İ \$	7.00 <sup> </sup> \$	
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY		50.00 \$	750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$	25.00 \$	500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	<u> </u> \$	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	l \$	6.00 \$	-
	Repave Roadway	l 0 l	LS	İ\$	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	<u> </u>	LS	<u>  \$</u>	500.00 \$	-
	Fix Curb Ramp Counter Slope	1 0 1	LS	\$	2,000.00 \$	-

Basis for Cost Projection

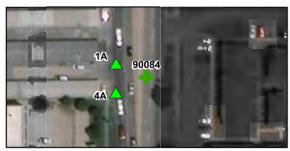
No Design Completed
Preliminary Design
Final Design

Subtotal: \$
15% \$
20% \$ 1,454.00 234.00 312.00 Engineering: (% +/-)
Contingency: (% +/-)
Estimated Proje 2,000.00

# Project Location







Intersection Issues	N	Cros E	swalk S	W	Possible Solutions	
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV)					
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	Curl 1A	Ramı 4A	p ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions
Curb ramp does not exist and is needed	1			
Curb ramp does not land in crosswalk	†	†		
No 4' x 4' clear space at base of curb ramp	<b>†</b>	t		
Curbed side is not 90° or has traversable adjacent surface	†x	†x		
Flare cross slope is greater than 10%	<del> </del>	†	1	
Curb ramp running slope is greater than 8.3%	†	t		
Blended transition running slope is greater than 5%	<del> </del>	†		
Cut-thru ramp running slope is greater than 5%	<del> </del>	†		Remove and replace curb ramp
Curb ramp cross slope is greater than 2%	†	t		Internove and replace curb ramp
Cut-thru ramp cross slope is greater than 2%	<del></del>	†		
Curb ramp width is less than 48"	†	İ	1	
Cut-thru ramp width is less than 60"	<b>†</b> -	†	1	
Permanent obstruction (>0.25") in curb ramp/landing/flares	<b>†</b> -	İ		
Temporary obstruction (>0.25") in curb ramp/landing/flares	T	!		
No textured surface at base of curb ramp	T	Ī		
No color contrast at base of curb ramp	Т	T		
Landing area does not exist and is needed	T			
Landing area is less than 5 x 5 or slopes greater than 2%	1 X			Remove and replace landing area
Curo ramp transition onto roadway is greater than 0.25	↓	ļ		
Counter slope of the gutter or street at the foot of the curb ramp is				
greater than 5%	1	İ		
Ponding occurs at base of curb ramp	<u> </u>			

Photographs

90084







Ramp 4A

## **Opinion of Probable Construction Cost Disclaimer:**

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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: 90085
Project Name: Intersection of 24th Ave NW and driveway (Lat. 35.2247; Long. -97.4767)
City: Norman

Item No.	Item Description	Quantity	Unit		Unit Price	Item Cost
ODOT 202(A)-018	83 Unclassified Excavation	0	CY	\$	5.50 \$	
ODOT 609(A)-030	00 Concrete Curb (6" Barrier-Integral)	I 0 I	LF	İ \$	7.00   \$	
ODOT 610(A)-060	02 4" Concrete Sidewalk	151	SY	\$	50.00 \$	750.00
ODOT 610(I)-461	0 Tactile Warning Device - New	20	SF	\$	25.00 \$	500.00
ODOT 610(I)-461	5 Tactile Warning Device - Retrofit	0 ]	SF	<u>                                     </u>	60.00 \$	
ODOT 619(B)-479	92 Removal of Sidewalk	19	SY	\$	12.00 \$	228.00
ODOT 857(F)-800	06 Pavement Marking Removal (Traffic Stripe)	l0l	<u>LF</u>	<u> </u>	0.25 \$	
	Crosswalk Pavement Markings	0 1	LF	l s	6.00 \$	
	Repave Roadway	0 1	LS	İ\$	5,000.00 \$	-
	Fix Ponding	0 1	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	<u>  \$</u>	500.00 \$	
	Fix Curb Ramp Counter Slope	1 0 1	LS	1\$	2,000.00   \$	-
Basis for Cost Pro	niection				Subtotal: \$	3 478 00

Basis for Cost Projection

No

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







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

	Curl	Ramp	DID ('z' or 'i' in ramp label indicates no	
Curb Ramp Issues			existing ramp)	Possible Solutions
	1A	4A		
Curb ramp does not exist and is needed				
Curb ramp does not land in crosswalk	T	Ī		
No 4' x 4' clear space at base of curb ramp	T	i		
Curbed side is not 90° or has traversable adjacent surface	Ť X	X		
Flare cross slope is greater than 10%	†	ļ		
Curb ramp running slope is greater than 8.3%	T	i		
Blended transition running slope is greater than 5%	T	Ī		
Cut-thru ramp running slope is greater than 5%	Ť	!		Remove and replace curb ramp
Curb ramp cross slope is greater than 2%	T X	İ		Themove and replace outs ramp
Cut-thru ramp cross slope is greater than 2%	T	i		
Curb ramp width is less than 48"	TX	Ī		
Cut-thru ramp width is less than 60"	Ť	ļ		
Permanent obstruction (>0.25") in curb ramp/landing/flares	T	i		
Temporary obstruction (>0.25") in curb ramp/landing/flares	T	I		
No textured surface at base of curb ramp		<u> </u>		
No color contrast at base of curb ramp				
Landing area does not exist and is needed				Program and ranks a breating man
Landing area is less than 5° x 5° or slopes greater than 2%	-∔∻	<b> </b>		Remove and replace landing area
Curb ramp transition onto roadway is greater than 0.25	<u> </u>	ļ		Fix curb ramp transition
Counter slope of the gutter or street at the foot of the curb ramp is	1			
greater than 5%	<u> </u>	<u> </u>		
Ponding occurs at base of curb ramp	T	Ī		

90085







Ramp 4A

## **Opinion of Probable Construction Cost Disclaimer:**

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

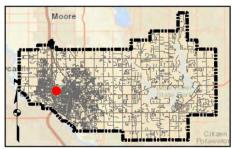
Corridor : Project Name: Citv: 24th Ave NW GPS ID: 90086 Intersection of 24th Ave NW and driveway (Lat. 35.2249; Long. -97.4767).

Item No.	Item Description	Quantity	Unit	Ur	nit Price	Item Cost
ODOT 202(A)-018	3 Unclassified Excavation	l 0	CY	\$	5.50 \$	-
ODOT 609(A)-030	0 Concrete Curb (6" Barrier-Integral)	I o	<u>L</u> F	İ\$	7.00 <sup> </sup> \$	-
ODOT 610(A)-060	2 4" Concrete Sidewalk	15	SY	\$	50.00 \$	750.00
ODOT 610(I)-4610	0 Tactile Warning Device - New	20	SF	\$	25.00 \$	500.00
ODOT 610(I)-4615	5 Tactile Warning Device - Retrofit	l 0	SF	! \$	60.00 \$	
ODOT 619(B)-479	2 Removal of Sidewalk	20	SY	\$	12.00 \$	240.00
ODOT 857(F)-800	6 Pavement Marking Removal (Traffic Stripe)	0	LF LF	\$	0.25 \$	-
	Crosswalk Pavement Markings	<u> </u>	LF	<u> </u> \$	6.00 \$	-
	Repave Roadway	T 0	LS	T\$	5,000.00 \$	-
	Fix Ponding	0	LS	\$	2,000.00 \$	-
	Fix Curb Ramp Transition	0	LS	\$	2,000.00 \$	-
	Median Nose Modification	0	LS	<u></u> [\$	5,000.00 \$	
	Remove Temporary Obstruction	0	LŞ	\$	500.00 \$	
	Fix Curb Ramp Counter Slope	<u> </u>	<u>i</u> LS	[ \$	2,000.00   \$	-
Basis for Cost Proj	ection				Subtotal: \$	1,490.00
	✓ No Design Completed			Engineering: (% +		647.14
	<ul> <li>Preliminary Design</li> </ul>		(	Contingency: (% +		862.86

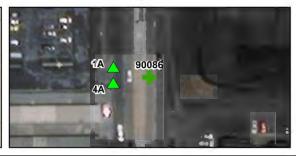
Basis for Cost Projection

No Design Completed
Preliminary Design
Final Design Subtotal: \$
15% \$
20% \$ Engineering: (% +/-) Contingency: (% +/-) Estimated Proj

# Project Location







3,000.00

Intersection Issues	Crosswalk N E S W				Possible Solutions
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All d	riveway path (	of travel issue	es and possible	e solutions provided in driveway shapefile (TRPEDDRV)
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	Cur	b Ramı	p ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions
Curb reamp 155005	1A	4A	existing ramp)	1 double doldright
Curb ramp does not exist and is needed				
Curb ramp does not land in crosswalk	T	Ţ		
No 4' x 4' clear space at base of curb ramp	T	T		
Curbed side is not 90° or has traversable adjacent surface	Т	T		
Flare cross slope is greater than 10%	T	†		
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%	+	†		Remove and replace curb ramp
Curb ramp cross slope is greater than 2%	<del></del>	X		Tremove and replace curb famp
Cut-thru ramp cross slope is greater than 2%	<del></del>	†		
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	T	†		For intersection, commercial driveway, and park ramps, instal
No color contrast at base of curb ramp	TX	Ť		color truncated domes
Landing area does not exist and is needed	T	†		
Landing area is less than 5 x 5 or slopes greater than 2%	T-X	1×-		Remove and replace landing area
Curb ramp transition onto roadway is greater than 0.25	Τ	T		
Counter slope of the gutter or street at the foot of the curb ramp is	T	Ī		
greater than 5%	1	1		
Ponding occurs at base of curb ramp	+	†		

Photographs



Ramp 1A



Ramp 4A

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

Corridor : Project Name: Citv: 24th Ave NW GPS ID: 90087 Intersection of 24th Ave NW and driveway (Lat. 35.227; Long. -97.4779)

Norman

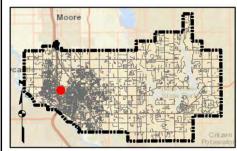
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50	
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	l o l	<u>LF</u>	1 \$ 7.00 1 \$	· -
ODOT 610(A)-0602	2 4" Concrete Sidewalk	15	SY	\$ 50.00	750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00	500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	l 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)	<u> </u>	LF	\$ 0.25	
	Crosswalk Pavement Markings	l 0	LF	\$ 6.00	
	Repave Roadway	l 0 l	LS	\$ 5,000.00	
	Fix Ponding	<u> </u>	LS	\$ 2,000.00	
	Fix Curb Ramp Transition	2	LS	\$ 2,000.00	4,000.00
	Median Nose Modification	0	LS	\$ 5,000.00	<u> </u>
	Remove Temporary Obstruction	<u> </u>	LS	\$ 500.00	<u>-</u>
	Fix Curb Ramp Counter Slope	1 0 1	LS	\$ 2,000.00	

Basis for Cost Projection

☑ No Design Completed
□ Preliminary Design
□ Final Design

Subtotal: \$ 15% \$ 20% \$ 5,430.00 1,101.43 1,468.57 Engineering: (% +/-) Contingency: (% +/-) Estimated Project Cost: 8,000.00

# Project Location







Intersection Issues	Crosswalk N E S W			w	Possible Solutions		
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All driveway path of travel issues and possible solutions provided in driveway shapefile (TRPEDDRV)						
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		b Ramı	p ID ('z' or 'i' in ramp label indicates no			
		4A	existing ramp)	Possible Solutions		
Curb ramp does not exist and is needed						
Curb ramp does not land in crosswalk	<del></del>	†				
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%		†		Remove and replace curb ramp		
Curb ramp cross slope is greater than 2%		X		Tremove and replace curb famp		
Cut-thru ramp cross slope is greater than 2%		†				
Curb ramp width is less than 48"	<del>- †</del>	İ				
Cut-thru ramp width is less than 60"	-+	t	1			
Permanent obstruction (>0.25") in curb ramp/landing/flares	X	†				
Temporary obstruction (>0.25") in curb ramp/landing/flares		ļ				
No textured surface at base of curb ramp	X	x		For intersection, commercial driveway, and park ramps, insta		
No color contrast at base of curb ramp	T X	X		color truncated domes		
Landing area does not exist and is needed	1	1				
Landing area is less than 5 x 5 or slopes greater than 2%		I				
Curb ramp transition onto roadway is greater than 0.25	T-X-	I_X_		Fix curb ramp transition		
Counter slope of the gutter or street at the foot of the curb ramp is						
greater than 5%	İ	i				
Ponding occurs at base of curb ramp		†				

90087







Ramp 4A

## **Opinion of Probable Construction Cost Disclaimer:**

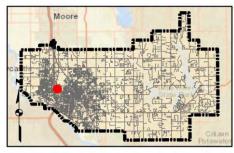
The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only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

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

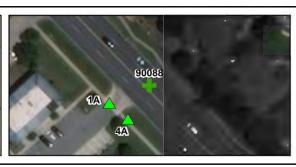
Corridor : Project Name: Citv: 24th Ave NW GPS ID: 90088 Intersection of 24th Ave NW and driveway (Lat. 35.2276; Long. -97.4786) Norman

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 1	<u>LF</u>	İ \$ 7.00	İ \$	
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	<u>  \$ 60.00</u>	<u>  \$</u>	
ODOT 619(B)-4792	Removal of Sidewalk	21	SY	\$ 12.00	\$	252.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	<u>LF</u>	\$ 0.25	\$	
	Crosswalk Pavement Markings	0	<u>LF</u>	<u> </u>	\$	<del>-</del>
	Repave Roadway	0	LS	\$ 5,000.00	<u>  \$</u>	
	Fix Ponding	00	LS	\$ 2,000.00	\$	-
	Fix Curb Ramp Transition	11	LS	\$ 2,000.00	\$	2,000.00
	Median Nose Modification	00	LS	\$ 5,000.00		
	Remove Temporary Obstruction	<u> </u>	<u>LS</u>	\$ 500.00		
	Fix Curb Ramp Counter Slope	0 1	LS	\$ 2,000.00		-
Basis for Cost Proje				Subtotal:		3,502.00
	☑ No Design Completed			Engineering: (% +/-) 15%		642.00
	Preliminary Design			Contingency: (% +/-) 20%		856.00
	☐ Final Design			Estimated Project Cost:	\$	5,000.00

# Project Location







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

0.1.8			o ID ('z' or 'i' in ramp label indicates no			
Curb Ramp Issues			existing ramp)	Possible Solutions		
	1A	4A				
Curb ramp does not exist and is needed	T T					
Curb ramp does not land in crosswalk	T	Ī				
No 4' x 4' clear space at base of curb ramp	T	i				
Curbed side is not 90° or has traversable adjacent surface	T	T				
Flare cross slope is greater than 10%	Ť					
Curb ramp running slope is greater than 8.3%	X	X				
Blended transition running slope is greater than 5%	Ť	i				
Cut-thru ramp running slope is greater than 5%	<b>T</b>			Remove and replace curb ramp		
Curb ramp cross slope is greater than 2%	†-x-	X		Tremove and replace curb famp		
Cut-thru ramp cross slope is greater than 2%	Ť	!				
Curb ramp width is less than 48"	Ť	i				
Cut-thru ramp width is less than 60"	T	!				
Permanent obstruction (>0.25") in curb ramp/landing/flares	T	i				
Temporary obstruction (>0.25") in curb ramp/landing/flares	T	[				
No textured surface at base of curb ramp	T-X-	[		For intersection, commercial driveway, and park ramps, install		
No color contrast at base of curb ramp	T-X-			color truncated domes		
Landing area does not exist and is needed	$L_{L}$					
Landing area is less than 5 x 5 or slopes greater than 2%	1 ×	X		Remove and replace landing area		
Curb ramp transition onto roadway is greater than 0.25	<b></b>	X		Fix curb ramp transition		
Counter slope of the gutter or street at the foot of the curb ramp is						
greater than 5%	İ					
Ponding occurs at base of curb ramp	Ţ	[ <u>-</u>				