





Ramp 4A

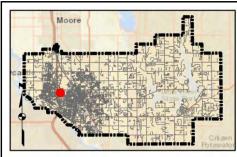
The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only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

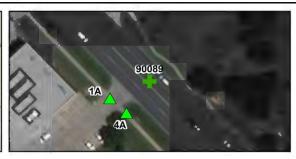
Corridor : Project Name: Citv: 24th Ave NW GPS ID: 90089 Intersection of 24th Ave NW and driveway (Lat. 35.228; Long. -97.479).

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	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	<u> </u>	SF	<u>  \$ 60.00</u>	<u>  \$</u>	
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	İ\$ 0.25	\$	-
	Crosswalk Pavement Markings	0	<u>LF</u>	\$ 6.00	\$	
	Repave Roadway	0	LS	\$ 5,000.00	<u>  \$</u>	-
	Fix Ponding	0	LS	\$ 2,000.00	\$	
	Fix Curb Ramp Transition	2	LS	\$ 2,000.00	\$	4,000.00
	Median Nose Modification	00	LS	\$ 5,000.00		-
	Remove Temporary Obstruction	<u> </u>	<u>LS</u>	\$ 500.00		
	Fix Curb Ramp Counter Slope	1 0 1	LS	\$ 2,000.00		-
Basis for Cost Proje				Subtota		5,430.00
	☑ No Design Completed			Engineering: (% +/-) 15%		1,101.43
	Preliminary Design			Contingency: (% +/-) 20%		1,468.57
	☐ Final Design		L	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					

Curb Ramp Issues	Curb Ramp ID ('z' or 'i' in ramp label indicates no Curb Ramp Issues existing ramp)					
, , , , , , , , , , , , , , , , , , , ,	1A	4A	emening remp)			
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	†				
Curbed side is not 90° or has traversable adjacent surface	†x	<u> </u>				
Flare cross slope is greater than 10%	<b>†</b> -	ļ				
Curb ramp running slope is greater than 8.3%	†-x-	†				
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		Tremove and replace curb famp		
Cut-thru ramp cross slope is greater than 2%	<del></del>	†				
Curb ramp width is less than 48"	†	İ				
Cut-thru ramp width is less than 60"	<del> </del>	t	1			
Permanent obstruction (>0.25") in curb ramp/landing/flares	†	†				
Temporary obstruction (>0.25") in curb ramp/landing/flares	T	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	x		color truncated domes		
Landing area does not exist and is needed	T	1				
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	X		Fix curb ramp transition		
Counter slope of the gutter or street at the foot of the curb ramp is	1	1				
greater than 5%	1	į į				
Ponding occurs at base of curb ramp	T	†				







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

Corridor: 24th Ave NW GPS ID: 90090
Project Name: Intersection of 24th Ave NW and driveway (Lat. 35.2283; Long. -97.4793)
City: Norman

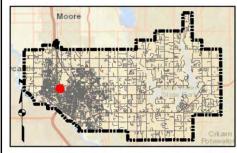
Item No.	Item Description	Quantity	Unit	l	Init Price	Item Cost
ODOT 202(A)-018	33 Unclassified Excavation	0	CY	\$	5.50 \$	-
ODOT 609(A)-030	00 Concrete Curb (6" Barrier-Integral)	I 0 I	LF	İ\$	7.00 \$	
ODOT 610(A)-060	02 4" Concrete Sidewalk	15	SY	\$	50.00 \$	750.00
ODOT 610(I)-461	0 Tactile Warning Device - 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	Removal of Sidewalk	21	SY	\$	12.00 \$	252.00
ODOT 857(F)-800	06 Pavement Marking Removal (Traffic Stripe)	0 1	LF	\$	0.25 \$	
	Crosswalk Pavement Markings	0 1	<u>LF</u>	<u> </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	<u>  \$</u>	5,000.00 \$	
	Remove Temporary Obstruction	0	LŞ	<u> </u>	500.00 \$	
	Fix Curb Ramp Counter Slope	1 0 1	LS	\$	2,000.00   \$	-
Basis for Cost Pro	jection				Subtotal: \$	5,502.00

Basis for Cost Projection
☑ No

No Design Completed
 Preliminary Design
 Final Design

Subtotal: \$ 5,502.00
Engineering: (% +/-) 15% \$ 1,070.57
Contingency: (% +/-) 20% \$ 1,427.43
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 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	Ramı	p ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions
·	1A	4A	0 17	
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	†x	x-		
Flare cross slope is greater than 10%	T	ļ		
Curb ramp running slope is greater than 8.3%	† -x -	i		
Blended transition running slope is greater than 5%	<b>†</b>	i		
Cut-thru ramp running slope is greater than 5%	Ť	ļ		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>	i		
Curb ramp width is less than 48"	Ť	i		
Cut-thru ramp width is less than 60"	<del> </del>	!		
Permanent obstruction (>0.25") in curb ramp/landing/flares	<b>†</b> -	i		
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			
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	X	X		Fix curb tamp 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	<del>†</del>	i		

Photographs







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: 90091 Intersection of 24th Ave NW and driveway (Lat. 35.2286; Long. -97.4797).

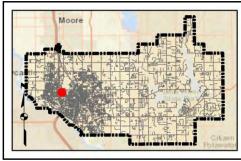
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50 \$	-
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)		<u>LF</u>	l \$ 7.00 l \$	-
ODOT 610(A)-0602	2 4" Concrete Sidewalk	15	SY	\$ 50.00 \$	750.00
ODOT 610(I)-4610	Tactile Warning Device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

Basis for Cost Projection

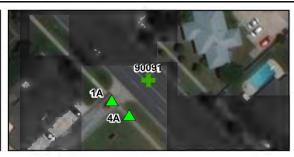
☑ No Design Completed
□ Preliminary Design
□ Final Design

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

# 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					

Curh Ramp Issues	Curb Ramp ID ('z' or 'i' in ramp label indicates no Curb Ramp Issues existing ramp)					
Out Namp issues	1A	4A	existing ramp)	Possible Solutions		
Curb ramp does not exist and is needed	1					
Curb ramp does not land in crosswalk	Ť	Ī				
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%	†	ļ				
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%	Ť	†		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%	<del></del>	†				
Curb ramp width is less than 48"	†-x-	İX				
Cut-thru ramp width is less than 60"	<b>†</b> -	t	1			
Permanent obstruction (>0.25") in curb ramp/landing/flares	<del> </del>	†				
Temporary obstruction (>0.25") in curb ramp/landing/flares	T	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	TX	x		color truncated domes		
Landing area does not exist and is needed	T	1				
Landing area is less than 5 x 5 or slopes greater than 2%	T	I-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	-	1				
greater than 5%	İ	1				
Ponding occurs at base of curb ramp	T	†				



Ramp 1A



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.:

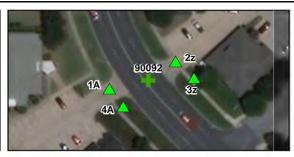
Corridor : Project Name: Citv: 24th Ave NW GPS ID: 90092 Intersection of 24th Ave NW and driveway (Lat. 35.2291; Long. -97.4802) Norman

Item No.	Item Description	Quantity	Unit	Unit Pr	ice	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>	l s	7.00 \$	-
ODOT 610(A)-0602	4" Concrete Sidewalk	3	SY	\$	50.00 \$	150.00
ODOT 610(I)-4610	Tactile Warning Device - New	0	SF	\$	25.00 \$	-
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	40	SF	l \$	60.00 \$	2,400.00
ODOT 619(B)-4792	Removal of Sidewalk	3	SY	\$	12.00 \$	36.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	00	LF_	\$	0.25 \$	-
	Crosswalk Pavement Markings	0	<u>LF</u>	l \$	6.00 \$	-
	Repave Roadway	0	LS LS	I \$	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	L\$	5,000.00 \$	-
	Remove Temporary Obstruction	<u> </u>	LS	\$	500.00 \$	
	Fix Curb Ramp Counter Slope	1 0	<u>į LS</u>	! \$	2,000.00   \$	-
Basis for Cost Proje					Subtotal: \$	4,586.00
	☑ No Design Completed			Engineering: (% +/-)	15% \$	1,034.57
	□ Preliminary Design			Contingency: (% +/-)	20% \$	1,379.43
	☐ Final Design			Estimated Pro	ject Cost: \$	7,000.00

# 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					
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					

0.1.0	Curb	Ramp	,		n ramp label indicates no	Positive Out to a
Curb Ramp Issues	1A	2 <i>z</i>	3 <i>z</i>	existinç 4A	g ramp)	Possible Solutions
Curb ramp does not exist and is needed			J2	-// t		
Curb ramp does not land in crosswalk			<del> </del>	t		
No 4' x 4' clear space at base of curb ramp			<del> </del>	t		
Curbed side is not 90° or has traversable adjacent surface			i	i		
Flare cross slope is greater than 10%						
Curb ramp running slope is greater than 8.3%						
Blended transition running slope is greater than 5%				i		
Cut-thru ramp running slope is greater than 5%				Ī		
Curb ramp cross slope is greater than 2%			Ī	Ī		
Cut-thru ramp cross slope is greater than 2%			Γ	T		
Curb ramp width is less than 48"			Γ	T		
Cut-thru ramp width is less than 60"						
Permanent obstruction (>0.25") in curb ramp/landing/flares Temporary obstruction (>0.25") in curb ramp/landing/flares						
No textured surface at base of curb ramp	X	x	x	x		For intersection, commercial driveway, and park ramps, install
No color contrast at base of curb ramp	Х	X	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%	X			I		Remove and replace landing area
Curb ramp transition onto roadway is greater than 0.25				X-		Fix curb ramp transition
Counter slope of the gutter or street at the foot of the curb ramp is						
greater than 5%						
Ponding occurs at base of curb ramp						

Photographs



Ramp 1A



Corner 3 No Ramp (3z)



Corner 2 No Ramp (2z)



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: 90093 Intersection of 24th Ave NW and drainage structure (Lat. 35.2293; Long. -97.4803) Norman

Item No.	Item Description	Quantity	Unit	Unit Pri	ce	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	<u></u> \$	5.50 \$	-
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	<u>l</u> 0	<u>L</u> F	<u> </u>	7.00 \$	
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	S	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)	<u> </u>	<u>LF</u>	İ\$	0.25 \$	-
	Crosswalk Pavement Markings	<u> </u>	<u>LF</u>	<u>  \$</u>	6.00 \$	
	Repave Roadway	00	LS LS	I \$	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 \$	-
	Remove Temporary Obstruction	<u> </u>	LS	<u>  \$</u>	500.00 \$	
	Fix Curb Ramp Counter Slope	, 0	<u>LS</u>		2,000.00   \$	-
Basis for Cost Proje					Subtotal: \$	5,466.00
	☑ No Design Completed			Engineering: (% +/-)	15% \$	1,086.00
	Preliminary Design			Contingency: (% +/-)	20% \$	1,448.00
	☐ Final Design			Estimated Proje	ect Cost: \$	8,000.00

# Project Location







Intersection Issues		Cros	swalk	14/	Possible Solutions
Dath of travel account and diving	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 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					

Curb Ramp Issues	Curl	Ramp	DID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions		
Outo Namp issues	1A	4A	existing ramp)	1 ossible odditoris		
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	11				
Flare cross slope is greater than 10%	T	!				
Curb ramp running slope is greater than 8.3%	T X	X				
Blended transition running slope is greater than 5%	<del></del>	1				
Cut-thru ramp running slope is greater than 5%	T	!		Remove and replace curb ramp		
Curb ramp cross slope is greater than 2%	Ť	<b>i</b>		Tromove and replace outs ramp		
Cut-thru ramp cross slope is greater than 2%	T	1				
Curb ramp width is less than 48"	T	II				
Cut-thru ramp width is less than 60"	T	1				
Permanent obstruction (>0.25") in curb ramp/landing/flares	<del></del>	1				
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	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			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					
Ponding occurs at base of curb ramp	T	[ <u>-</u>				







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: 90094 Intersection of 24th Ave NW and driveway (Lat. 35.2296; Long. -97.4804) Norman

Item No.	Item Description	Quantity	Unit		Unit Price	Item Cost
ODOT 202(A)-018	33 Unclassified Excavation	0	CY	\$	5.50 \$	-
ODOT 609(A)-030	00 Concrete Curb (6" Barrier-Integral)	l 0 l	LF	l s	7.00 \$	
ODOT 610(A)-060	02 4" Concrete Sidewalk	30	SY	\$	50.00 \$	1,500.00
ODOT 610(I)-461	0 Tactile Warning Device - New	40	SF	\$	25.00 \$	1,000.00
ODOT 610(I)-461	5 Tactile Warning Device - Retrofit	1 0 1	SF	! \$	60.00 \$	-
ODOT 619(B)-479	92 Removal of Sidewalk	38	SY	\$	12.00 \$	456.00
ODOT 857(F)-800	06 Pavement Marking Removal (Traffic Stripe)	0	LF	\$	0.25 \$	-
	Crosswalk Pavement Markings	1 0	LF	<u> </u> \$	6.00 \$	-
	Repave Roadway	1 0 1	LS	İ\$	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 \$	<u> </u>
	Remove Temporary Obstruction	0	LS	\$	500.00 \$	
	Fix Curb Ramp Counter Slope	1 0 1	LS	\$	2,000.00   \$	-
Basis for Cost Pro	piection				Subtotal: \$	10.956.00

No Design Completed
 Preliminary Design
 Final Design

15% \$ 20% \$ 1,733.14 2,310.86 **15,000.00** Engineering: (% +/-) 15%
Contingency: (% +/-) 20%
Estimated Project Cost:

# 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	Curt	Ram			n ramp label indicates no g ramp)	Possible Solutions
Care Manip recase	1A	2A	ЗА	4A	, ramp)	- cooling columnic
Curb ramp does not exist and is needed	1	·				
Curb ramp does not land in crosswalk	Ť	i	i	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	X	X		
Flare cross slope is greater than 10%	T	!				
Curb ramp running slope is greater than 8.3%	T	X	x	X		
Blended transition running slope is greater than 5%	T	i				
Cut-thru ramp running slope is greater than 5%	<u> </u>	!				Remove and replace curb ramp
Curb ramp cross slope is greater than 2%	<del></del>	X	x	i		Tremove and replace curb ramp
Cut-thru ramp cross slope is greater than 2%	T	i				
Curb ramp width is less than 48"	Ť	X	X	İ		
Cut-thru ramp width is less than 60"	<del></del>	!				
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-X-	x	L-X	X		For intersection, commercial driveway, and park ramps, install
No color contrast at base of curb ramp	TX	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%	T	X	X	X		Remove and replace landing area
Curb ramp transition onto roadway is greater than 0.25	X	X	X	X		Fix curb ramp transition
Counter slope of the gutter or street at the foot of the curb ramp is						
greater than 5%	1	l		i		
Ponding occurs at base of curb ramp	<del></del>	!		!		



Ramp 1A



Ramp 2A



Ramp 3A



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: 90095 Intersection of 24th Ave NW and driveway (Lat. 35.2306; Long. -97.4804)

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	l s	7.00 \$	
ODOT 610(A)-060	2 4" Concrete Sidewalk	30	SY	\$	50.00 \$	1,500,00
ODOT 610(I)-461	Tactile Warning Device - New	40	SF	\$	25.00 \$	1,000.00
ODOT 610(I)-461	5 Tactile Warning Device - Retrofit	0	SF	<u> </u> \$	60.00 \$	
ODOT 619(B)-479	2 Removal of Sidewalk	38	SY	\$	12.00 \$	456.00
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	l 0	LS	İ\$	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	<b>[</b> \$	5,000.00 \$	
	Remove Temporary Obstruction	<u> </u>	LS	\$	500.00 \$	
	Fix Curb Ramp Counter Slope	<u> </u>	<u>i LS</u>	\$	2,000.00   \$	-
Rasis for Cost Proj	ection				Subtotal: \$	10 956 00

for Cost Projection

No Design Completed
Preliminary Design
Final Design

10,956.00 1,733.14 2,310.86 total: \$
15% \$
20% \$ Engineering: (% +/-) Contingency: (% +/-) Estimated Project Cost: 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 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				a label indicates no
Curb Ramp Issues				existing	g ramp	Possible Solutions
	WF	1A	2A	ЗА	4A	
Curb ramp does not exist and is needed	X					Median nose modification
Curb ramp does not land in crosswalk	T		i	Ī	T	
No 4' x 4' clear space at base of curb ramp	T		l	†	T	
Curbed side is not 90° or has traversable adjacent surface	TX	X	L-X-	T-X-	T-X	
Flare cross slope is greater than 10%	T			1		
Curb ramp running slope is greater than 8.3%	<b>†</b>	X	X	x-	i	
Blended transition running slope is greater than 5%	T			†	T	1
Cut-thru ramp running slope is greater than 5%	T			T	T	Remove and replace curb ramp
Curb ramp cross slope is greater than 2%	T	X	X	†X	X	Tromovo dna ropidoo odno ramp
Cut-thru ramp cross slope is greater than 2%	X			†	†	1
Curb ramp width is less than 48"	Ť	i	X -	†x	†	1
Cut-thru ramp width is less than 60"	T X			†	<b></b>	1
Permanent obstruction (>0.25") in curb ramp/janding/flares	<b>T</b>			†	T	1
Temporary obstruction (>0.25") in curb ramp/landing/flares	T		[	T	Γ	
No textured surface at base of curb ramp	TX	X	X	1 ×	X	For intersection, commercial driveway, and park ramps, install
No color contrast at base of curb ramp	TX	X	X	[_X	X	color truncated domes
Landing area does not exist and is needed	I		L	I		
Landing area is less than 5 x 5 or slopes greater than 2%		X	X	<u> </u>	X	Remove and replace landing area
Curb ramp transition onto roadway is greater than 0.25	X	X	X	<u> </u>	X	Fix curb ramp transition
Counter slope of the gutter or street at the foot of the curb ramp is				1	1	
greater than 5%			İ	İ	i	
Ponding occurs at base of curb ramp	T	[		Ţ	T	1



Ramp West F



Ramp 2A



Ramp 4A



Ramp 1A



Ramp 3A

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: 90096 Intersection of 24th Ave NW and driveway (Lat. 35.2311; Long. -97.4804) Norman

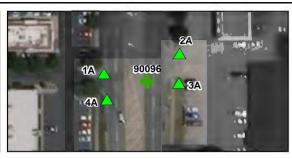
Item No.	Item Description	Quantity	Unit		Unit Price	Item Cost
ODOT 202(A)-018	3 Unclassified Excavation	0	CY	\$	5.50 \$	
ODOT 609(A)-030	00 Concrete Curb (6" Barrier-Integral)	1 o 1	LF	l s	7.00 \$	-
ODOT 610(A)-060	02 4" Concrete Sidewalk	30	SY	\$	50.00 \$	1.500.00
ODOT 610(I)-461	0 Tactile Warning Device - New	40	SF	\$	25.00 \$	1,000.00
ODOT 610(I)-461	5 Tactile Warning Device - Retrofit	0 !	SF	<u> </u>	60.00 \$	<del>-</del>
ODOT 619(B)-479	2 Removal of Sidewalk	38	SY	\$	12.00 \$	456.00
ODOT 857(F)-800	06 Pavement Marking Removal (Traffic Stripe)	0	LF	\$	0.25 \$	-
	Crosswalk Pavement Markings	l 0 l	LF	! \$	6.00 \$	-
	Repave Roadway	1 0 1	LS	İ \$	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 1	LS	<u> </u> \$	5,000.00 \$	
	Remove Temporary Obstruction	0	LS	\$	500.00 \$	
	Fix Curb Ramp Counter Slope	1 0 1	LS	\$	2,000.00   \$	-
Basis for Cost Pro	iection				Subtotal: \$	10 956 00

15% \$ 20% \$ 1,733.14 2,310.86 No Design Completed
 Preliminary Design
 Final Design Engineering: (% +/-) 15%
Contingency: (% +/-) 20%
Estimated Project Cost: 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 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	Curt	Ram	,		n ramp label indicates no	Possible Solutions		
	1A	2A	ЗА	4A	, .ap)			
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	TX	X	X	T-X-				
Flare cross slope is greater than 10%	<u> </u>			ļ				
Curb ramp running slope is greater than 8.3%	T 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		Themove and replace curb famp		
Cut-thru ramp cross slope is greater than 2%	<del> </del>		<b></b>	†	1			
Curb ramp width is less than 48"	† -x -	x		†				
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	X							
No textured surface at base of curb ramp	<del>+x</del>	x	<del> x</del>	<del> x</del>		For intersection, commercial driveway, and park ramps, install		
No color contrast at base of curb ramp	<del>+x</del>	x	<del> x</del>	<del> x</del>		color truncated domes		
Landing area does not exist and is needed	<del> </del>	<u> </u>	<del> </del>	<del> </del>		<b> </b>		
Landing area is less than 5' x 5' or slopes greater than 2%	<del> </del>	<del>x</del>	<del>x</del>	x		Remove and replace landing area		
Curb ramp transition onto roadway is greater than 0.25"	†x	X	X	x		Fix curb ramp transition		
Counter slope of the gutter or street at the foot of the curb ramp is	<b>†</b>		<del> </del>	t				
greater than 5%								
Ponding occurs at base of curb ramp	<del>†</del>			<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.

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

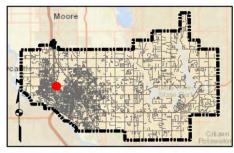
Corridor : Project Name: Citv: 24th Ave NW GPS ID: 90097 Intersection of 24th Ave NW and driveway (Lat. 35.2322; Long. -97.4804)
Norman

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	<u>L</u> F	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		SF	\$	25.00 \$	500.00
ODOT 610(I)-461	15 Tactile Warning Device - Retrofit	0	SF	<u>l \$</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 \$	
	Crosswalk Pavement Markings	0	<u>LF</u>	<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	<u>  \$</u>	5,000.00 \$	
	Remove Temporary Obstruction	<u>0</u>	LS	<u>  \$</u>	500.00 \$	
	Fix Curb Ramp Counter Slope	<u> </u>	LS	1\$	2,000.00   \$	-
Basis for Cost Pro	niection				Subtotal: \$	5 466 00

No Design Completed
 Preliminary Design
 Final Design

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

# 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		o Ramp	o ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions	
Cuis ramp locado	1A	4A	existing ramp)	1 desible detailers	
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	İ			
Curbed side is not 90° or has traversable adjacent surface	Ť-X-	!x			
Flare cross slope is greater than 10%	†	!			
Curb ramp running slope is greater than 8.3%	X	†			
Blended transition running slope is greater than 5%	T	†			
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%	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"	† X	†x			
Cut-thru ramp width is less than 60"	<del> </del>	†			
Permanent obstruction (>0.25") in curb ramp/landing/flares	T X	İ			
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	I			
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	X-		Fix curb ramp transition	
Counter slope of the gutter or street at the foot of the curb ramp is	-				
greater than 5%	İ	l			
Ponding occurs at base of curb ramp	T	Ī			

90097







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: 90098 Intersection of 24th Ave NW and driveway (Lat. 35.2324; Long. -97.4804)
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	l \$ 7.00 l \$	· -
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 o l	SF	\$ 60.00 \$	· -
ODOT 619(B)-4792	Removal of Sidewalk	18	SY	\$ 12.00 \$	216.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25 \$	· -
	Crosswalk Pavement Markings	l 0	LF	\$ 6.00 \$	· -
	Repave Roadway	0 1	LS	\$ 5,000.00 \$	-
	Fix Ponding	0	LS	\$ 2,000.00 \$	· -
	Fix Curb Ramp Transition	1 1	LS	\$ 2,000.00 \$	2,000.00
	Median Nose Modification	0	LS	\$ 5,000.00	-
	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% \$ 3,466.00 657.43 876.57 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 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	Ram	p ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions		
	2A	ЗА	chaing ramp)			
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	!x				
Flare cross slope is greater than 10%	†	ļ				
Curb ramp running slope is greater than 8.3%	<b>†</b> -	†				
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%	† X	X		Internove 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>	!				
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		For intersection, commercial driveway, and park ramps, install		
No color contrast at base of curb ramp	T	Ix		color truncated domes		
Landing area does not exist and is needed	<b>†</b>	ļ				
Landing area is less than 5 x 5 or slopes greater than 2%	T -X	I		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		l				
greater than 5%	İ	i				
Ponding occurs at base of curb ramp	<del>†</del>	†				







Ramp 3A

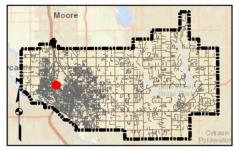
The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only 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: 90099
Project Name: Intersection of 24th Ave NW and driveway (Lat. 35.232; Long. -97.4804)
City: Norman

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)	1 0 1	LF.	l s	7.00 \$	· -
ODOT 610(A)-0602	4" Concrete Sidewalk	151	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 1	SF	<u> </u> \$	60.00 \$	-
ODOT 619(B)-4792	Removal of Sidewalk	22	SY	<u> </u> \$	12.00 \$	264.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	_	LF		0.25	· -
	Crosswalk Pavement Markings	0	<u>LF</u>	! \$	6.00 \$	
	Repave Roadway	0 1	LS	\$	5,000.00	-
	Fix Ponding	0	LS	\$	2,000.00 \$	-
	Fix Curb Ramp Transition		LS	\$	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	3
	Fix Curb Ramp Counter Slope	1 1	LS	\$	2,000.00   \$	2,000.00
Basis for Cost Proje					Subtotal: \$	7,514.00
	✓ No Design Completed			Engineering: (% +/-)	15% \$	,
	☐ Preliminary Design			Contingency: (% +/-)	20% \$	,
	☐ Final Design			Estimated Pro	ject Cost: \$	11,000.00

# 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	Ram	p ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions
•	2A	ЗА		
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	†	†		
Curbed side is not 90° or has traversable adjacent surface	ŤΧ	Ī		
Flare cross slope is greater than 10%	T	ļ		
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%	†	<u> </u>		Remove and replace curb ramp
Curb ramp cross slope is greater than 2%	T X	x		Tremove and replace curb ramp
Cut-thru ramp cross slope is greater than 2%	†	†		
Curb ramp width is less than 48"	†	!x		
Cut-thru ramp width is less than 60"	†	†	1	
Permanent obstruction (>0.25") in curb ramp/landing/flares	†	†		
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		l		
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	X	X		Fix curb ramp transition
Counter slope of the gutter or street at the foot of the curb ramp is	-	X		Fix curb ramp counter slope
greater than 5%	į	l ^`		
Ponding occurs at base of curb ramp	T	†		







Ramp 3A

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.

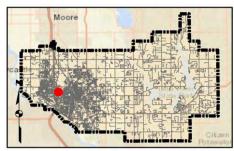
Date: 4/30/18 Prepared By: CMP Checked By: EPE City of Norman ADA Self-Evaluation and Transition Plan 061298800 Client: Program: KHA No.:

Corridor : Project Name: Citv: 24th Ave NW GPS ID: 90100 Intersection of 24th Ave NW and driveway (Lat. 35.2247; Long. -97.4766)
Norman

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	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	18	SY	\$	12.00 \$	216.00
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	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	Ţ\$	5,000.00 \$	
	Remove Temporary Obstruction	0	LS	\$	500.00 \$	
	Fix Curb Ramp Counter Slope	] 0	<u>LS</u>	\$	2,000.00   \$	-
Racis for Cost Proj	ection				Subtotal: \$	5.466.00

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

# Project Location





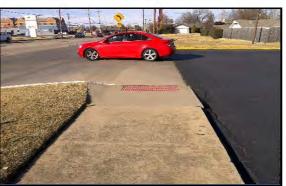


Intersection Issues	N	Cros E	swalk S	W	Possible Solutions
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All d	riveway path (	of travel issue	es and possible	e solutions provided in driveway shapefile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

· · ·			p ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions	
, , , , , , , , , , , , , , , , , , ,	2A	ЗА	emening remip)		
Curb ramp does not exist and is needed					
Curb ramp does not land in crosswalk	†	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%	T X	X			
Curb ramp running slope is greater than 8.3%	†	i			
Blended transition running slope is greater than 5%	<del> </del>	!			
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 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>	<b>!</b>	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	i			
No color contrast at base of curb ramp	Τ				
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-	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	i			
Ponding occurs at base of curb ramp	<del> </del>	i			



Ramp 2A



Ramp 3A

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: 90101 Intersection of 24th Ave NW and driveway (Lat. 35.2233; Long. -97.4767)

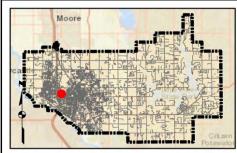
Item No.	Item Description	Quantity	Unit	Unit Pri	се	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$	5.50 \$	-
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	l 0 l	<u>LF</u>	l s	7.00 \$	
ODOT 610(A)-0602	2 4" Concrete Sidewalk	151	SY	\$	50.00 \$	750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$	25.00 \$	500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	<u>                                     </u>	60.00 \$	<del>-</del>
ODOT 619(B)-4792	Removal of Sidewalk	<u> </u>	SY	İ \$	12.00 \$	240.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	<u> </u>	0.25 \$	
	Crosswalk Pavement Markings	0 1	<u>LF</u>	! \$	6.00 \$	-
	Repave Roadway	0 1	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>	LS	<u> </u>	500.00 \$	<del>-</del>
	Fix Curb Ramp Counter Slope	1 0 1	LS	\$	2,000.00   \$	

Basis for Cost Projection

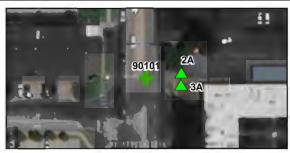
☑ No Design Completed
□ Preliminary Design
□ Final Design

Subtotal: \$ 15% \$ 20% \$ 5,490.00 1,075.71 1,434.29 Engineering: (% +/-) Contingency: (% +/-) 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 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					

0.1.5	Curl	Ramp	DID ('z' or 'i' in ramp label indicates no	D 111 O L 1		
Curb Ramp Issues		ЗА	existing ramp)	Possible Solutions		
Curb ramp does not exist and is needed	2A	3A				
Curb ramp does not land in crosswalk	-+	ļ				
No 4' x 4' clear space at base of curb ramp	-+					
Curbed side is not 90° or has traversable adjacent surface	- <del>+</del> x	<del> </del>				
Flare cross slope is greater than 10%	-+	<b> </b>				
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%	-+	<del> </del>				
Curb ramp cross slope is greater than 2%	<del>-+-x-</del>	x		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	-+	- X				
Temporary obstruction (>0.25") in curb ramp/landing/flares	-+	<b>!</b> -				
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	TX	X		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%	X	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	T					
greater than 5%						
Ponding occurs at base of curb ramp	-+	<del> </del>				







Ramp 3A

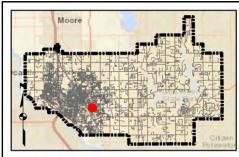
The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only 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: 90102 Intersection of E Lindsey St and driveway (Lat. 35.2038; Long. -97.4207). E Lindsey St

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	İ \$	7.00 \$	
ODOT 610(A)-0602	4" Concrete Sidewalk	<u> </u>	SY	\$	50.00 \$	<del>-</del>
	Tactile Warning Device - New	00	SF	\$ 2	25.00 \$	
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)	00	<u>LF</u>	\$	0.25 \$	
	Crosswalk Pavement Markings	0	<u>L</u> F	! \$	6.00 \$	-
	Repave Roadway	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 LS	\$ 5,00	00.00 \$	<u> </u>
	Remove Temporary Obstruction	<u> </u>	LS		00.00 \$	
	Fix Curb Ramp Counter Slope	1 0	<u>i LS</u>		00.00   \$	-
Basis for Cost Proje					btotal: \$	1,200.00
	✓ No Design Completed			gineering: (% +/-)	15% \$	342.86
	☐ Preliminary Design		Cor	ntingency: (% +/-)	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 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	Ramp	DID ('z' or 'i' in ramp label indicates no	Possible Solutions
Curb Ramp issues	3 <i>z</i>	4 <i>z</i>	existing ramp)	Possible Solutions
Curb ramp does not exist and is needed				
Curb ramp does not land in crosswalk	T	Î		
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> -	ļ		
Curb ramp running slope is greater than 8.3%	<b>T</b> -	†		
Blended transition running slope is greater than 5%	T	i		
Cut-thru ramp running slope is greater than 5%	Ť	!		
Curb ramp cross slope is greater than 2%	†	İ		
Cut-thru ramp cross slope is greater than 2%	T	i		
Curb ramp width is less than 48"	Ť	İ		
Cut-thru ramp width is less than 60"	<del> </del>	<b>!</b>		
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	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	I		
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		
Ponding occurs at base of curb ramp	T	†		



Corner 3 No Ramp (3z)



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.

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

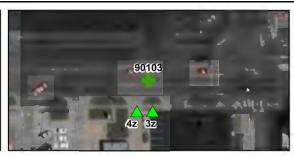
Corridor : Project Name: Citv: GPS ID: 90103 E Lindsey St Intersection of E Lindsey St and driveway (Lat. 35.2038; Long. -97.4205)

Item No.	Item Description	Quantity	Unit	Unit Price		Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.5	0 \$	
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	I 0	<u>L</u> F	İ\$ 7.0	0 \$	
ODOT 610(A)-0602	4" Concrete Sidewalk	<u> </u>	SY	\$ 50.0	0 \$	
ODOT 610(I)-4610	Tactile Warning Device - New	00	SF	\$ 25.0	0 \$	
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	<u>  20</u>	l SF	<u>  \$ 60.0</u>	<u>0   \$</u>	1,200.00
ODOT 619(B)-4792	Removal of Sidewalk	00	SY	\$ 12.0	0 \$	
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	00	LF_	\$ 0.2	5 \$	
	Crosswalk Pavement Markings	0	LF.	L\$ 6.0	0 \$	-
	Repave Roadway	I 0	LS_	\$ 5,000.0	0 \$	-
	Fix Ponding	0	LS	\$ 2,000.0	0 \$	-
	Fix Curb Ramp Transition	0	LS	\$ 2,000.0	0 \$	-
	Median Nose Modification	0	LS LS	\$ 5,000.0		<u> </u>
	Remove Temporary Obstruction	00	LŞ	\$ 500.0		
	Fix Curb Ramp Counter Slope	! 0	<u>i LS</u>	j\$ 2,000.0	0   \$	-
Basis for Cost Proje				Subtot		1,200.00
	✓ No Design Completed				% \$	342.86
	□ Preliminary Design		(		% \$	457.14
	☐ Final Design			Estimated Project Cos	st: \$	2,000.00
	200ig			25	Ψ	2,000.0

# 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					

	Curk	Ramp	DID ('z' or 'i' in ramp label indicates no	
Curb Ramp Issues	2-	4-	existing ramp)	Possible Solutions
Curb ramp does not exist and is needed	3z	4z		
Curb ramp does not land in crosswalk	<del> </del>	<del> </del>		<u> </u>
No 4' x 4' clear space at base of curb ramp	<del> </del>	<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>	<del> </del>		
Curb ramp running slope is greater than 8.3%	<del> </del>	<del> </del>		
Blended transition running slope is greater than 5%	<del> </del>			
Cut-thru ramp running slope is greater than 5%	<del> </del>	<del> </del>		
Curb ramp cross slope is greater than 2%	†	<b> </b>		
Cut-thru ramp cross slope is greater than 2%	†	i		
Curb ramp width is less than 48"	†	İ		
Cut-thru ramp width is less than 60"	ļ	!		
Permanent obstruction (>0.25") in curb ramp/landing/flares  Temporary obstruction (>0.25") in curb ramp/landing/flares	ļ	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	<u> </u>	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%	†	İ		
Curb ramp transition onto roadway is greater than 0.25	T			
Counter slope of the gutter or street at the foot of the curb ramp is		l		
greater than 5%	i			
Ponding occurs at base of curb ramp	T			



Corner 3 No Ramp (3z)



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.

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: 90104 E Lindsey St Intersection of E Lindsey St and driveway (Lat. 35.2038; Long. -97.4204)

Item No.	Item Description	Quantity	Unit	Unit Price		Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.5	0 \$	
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	<u>L</u> F	İ\$ 7.0	0 \$	
ODOT 610(A)-0602	4" Concrete Sidewalk	<u> </u>	SY	\$ 50.0	0 \$	
ODOT 610(I)-4610	Tactile Warning Device - New	0	SF	\$ 25.0	0 \$	
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	<u>l</u> 20	l SF	<u> </u>	<u>0   \$</u>	1,200.00
ODOT 619(B)-4792	Removal of Sidewalk	00	SY	\$ 12.0	0 \$	
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF LF	\$ 0.2	5 \$	
	Crosswalk Pavement Markings	0	LF.	! \$ 6.0	0 \$	-
	Repave Roadway	0	LS_	\$ 5,000.0	0 \$	-
	Fix Ponding	0	LS	\$ 2,000.0	0 \$	-
	Fix Curb Ramp Transition	0	LS	\$ 2,000.0	0 \$	-
	Median Nose Modification	0	LS LS	\$ 5,000.0		<u> </u>
	Remove Temporary Obstruction	00	LŞ	\$ 500.0		
	Fix Curb Ramp Counter Slope	1 0	<u>i LS</u>	j\$ 2,000.0	0   \$	-
Basis for Cost Proje				Subtota		1,200.00
	✓ No Design Completed				% \$	342.86
	□ Preliminary Design		(		% \$	457.14
	☐ Final Design			Estimated Project Cos	t: \$	2,000.00
	- Final Booign			Estimated 1 reject eet	ν ψ	2,000.0

# 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					

Code Description	Curl	b Ramp	DID ('z' or 'i' in ramp label indicates no	Danaible Colletions
Curb Ramp Issues	3 <i>z</i>	4z	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>	†		
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%	T	†		
Blended transition running slope is greater than 5%	<b>T</b>	†		
Cut-thru ramp running slope is greater than 5%	<b>†</b>	†		
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	†		
Cut-thru ramp width is less than 60"	<b>†</b>	†		
Permanent obstruction (>0.25") in curb ramp/landing/flares Temporary obstruction (>0.25") in curb ramp/landing/flares	<b>‡</b>	İ		
No textured surface at base of curb ramp	∔	ļ		Lor interesection, commercial drivers and park remperinted
No color contrast at base of curb ramp	<del>↓</del>	<b>i</b>		For intersection, commercial driveway, and park ramps, install 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%	<del></del>	ļ		
Curb ramp transition onto roadway is greater than 0.25	+	<del> </del>		
Counter slope of the gutter or street at the foot of the curb ramp is	+	<del> </del>		
greater than 5%				
Ponding occurs at base of curb ramp	+	<del> </del>		



Corner 3 No Ramp (3z)



Corner 4 No Ramp (4z)

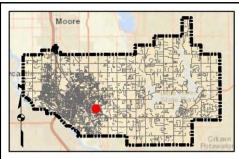
The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only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

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: 90108 E Lindsey St Intersection of E Lindsey St and driveway (Lat. 35.2039; Long. -97.41)

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	<u> </u>	SY	\$ 50.00	\$	<u>-</u>
ODOT 610(I)-4610	Tactile Warning Device - New	0	SF	\$ 25.00	\$	
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	20	SF	<u>  \$ 60.00</u>	\$	1,200.00
ODOT 619(B)-4792	Removal of Sidewalk	0	SY	\$ 12.00	\$	
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	<u> </u>	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	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	0	LS	j\$ 2,000.00		-
Basis for Cost Proje				Subtotal		1,200.00
	✓ No Design Completed			gineering: (% +/-) 15%		342.86
	□ Preliminary Design		Co	ontingency: (% +/-) 20%		457.14
	☐ Final Design			Estimated Project Cost	: \$	2,000.00
				_	·	

# Project Location







Intersection Issues		Crosswalk N E S V		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 Ramp	ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions		
, , , , , , , , , , , , , , , , , , ,	1 <i>z</i>	2z	containing country			
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	†1				
Flare cross slope is greater than 10%	<del></del>	1				
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%		<u> </u>				
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> -	İ				
Cut-thru ramp width is less than 60"		t				
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, insta		
No color contrast at base of curb ramp	T-X-	TX-7		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%						
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>	t1				



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.:

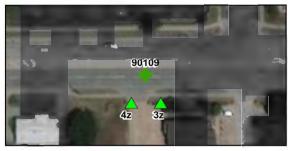
Corridor : Project Name: Citv: GPS ID: 90109 E Lindsey St Intersection of E Lindsey St and driveway (Lat. 35.2038; Long. -97.4125)

Item No.	Item Description	Quantity	Unit	Unit Price		Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.5	0 \$	-
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	l 0 l	<u>LF</u>	İ\$ 7.0	o is	
ODOT 610(A)-0602	4" Concrete Sidewalk	<u> </u>	SY	\$ 50.0	0 \$	<u> </u>
ODOT 610(I)-4610	Tactile Warning Device - New	0	SF	\$ 25.0	0 \$	-
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	<u>  20  </u>	SF	<u>  \$ 60.0</u>	0   \$	1,200.00
ODOT 619(B)-4792	Removal of Sidewalk	0	SY	\$ 12.0	0 \$	
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	<u> </u>	LF		5 \$	
	Crosswalk Pavement Markings	0	<u>LF</u>	\$ 6.0	0 \$	
	Repave Roadway	0 1	LS	\$ 5,000.0	0 \$	-
	Fix Ponding	0	LS	\$ 2,000.0	0 \$	-
	Fix Curb Ramp Transition	0 !	LS	\$ 2,000.0	0 \$	-
	Median Nose Modification	0	LS	\$ 5,000.0		
	Remove Temporary Obstruction	<u> </u>	LS	\$ 500.0		<u>-</u>
	Fix Curb Ramp Counter Slope	] 0 ]	LS	\$ 2,000.0		-
Basis for Cost Proje				Subtot		1,200.00
	✓ No Design Completed				% \$	342.86
	□ Preliminary Design		Co		% \$	457.14
	☐ Final Design			Estimated Project Co	st: \$	2,000.00
				·		

# Project Location

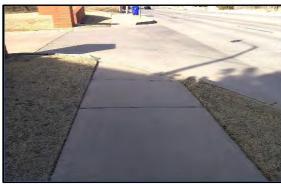






Intersection Issues	Crosswalk N E S W			w	Possible Solutions	
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All driveway path of travel issues and possible solutions provided in driveway shapefile (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 ID ('z' or 'i' in ramp label indicates no				
Curb Ramp Issues			existing ramp)	Possible Solutions	
	3 <i>z</i>	4z			
Curb ramp does not exist and is needed	<u> </u>	L			
Curb ramp does not land in crosswalk	L				
No 4' x 4' clear space at base of curb ramp	<u> </u>	<u> </u>		 	
Curbed side is not 90° or has traversable adjacent surface	L	i			
Flare cross slope is greater than 10%					
Curb ramp running slope is greater than 8.3%	L	L			
Blended transition running slope is greater than 5%	L	i			
Cut-thru ramp running slope is greater than 5%					
Curb ramp cross slope is greater than 2%		L			
Cut-thru ramp cross slope is greater than 2%	Ι	[			
Curb ramp width is less than 48"					
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	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	x		color truncated domes	
Landing area does not exist and is needed	†	<b>!</b> -			
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					
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	<b></b>				



Corner 3 No Ramp (3z)



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.

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

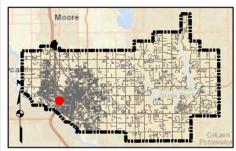
Corridor : Project Name: Citv: 24th Ave SW GPS ID: 90110 Intersection of 24th Ave SW and driveway (Lat. 35.2103; Long. -97.4766).

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	00 Concrete Curb (6" Barrier-Integral)	l 0 l	LF	l s	7.00 \$	
ODOT 610(A)-060	)2 4" Concrete Sidewalk	30	SY	\$	50.00 \$	1.500.00
ODOT 610(I)-461	0 Tactile Warning Device - New	40	SF	\$	25.00 \$	1,000.00
ODOT 610(I)-461	5 Tactile Warning Device - Retrofit	<u> </u>	SF	<u>l s</u>	60.00 \$	
ODOT 619(B)-479	2 Removal of Sidewalk	38	SY	\$	12.00 \$	456.00
ODOT 857(F)-800	06 Pavement Marking Removal (Traffic Stripe)	0	LF	\$	0.25 \$	
	Crosswalk Pavement Markings	1 0	LF	<u> </u> \$	6.00 \$	-
	Repave Roadway	1 0 1	LS	İ\$	5,000.00 \$	-
	Fix Ponding	0	LS	\$	2,000.00 \$	-
	Fix Curb Ramp Transition	3	LS	\$	2,000.00 \$	6,000.00
	Median Nose Modification	0 1	LS	<u>  \$</u>	5,000.00 \$	<u> </u>
	Remove Temporary Obstruction	0	LS	\$	500.00 \$	
	Fix Curb Ramp Counter Slope	<u> </u>	LS	\$	2,000.00   \$	-
Basis for Cost Pro	iection				Subtotal: \$	8 956 00

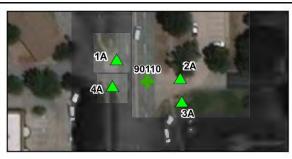
No Design Completed
 Preliminary Design
 Final Design

15% \$ 20% \$ 1,733.14 2,310.86 **13,000.00** Engineering: (% +/-) 15%
Contingency: (% +/-) 20%
Estimated Project Cost:

# Project Location







Intersection Issues		Cros	swalk	14/	Possible Solutions
Path of travel pavement condition	N	E	5	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					

	Curk	Ramp			n ramp label indicates no			
Curb Ramp Issues				existing	g ramp)	Possible Solutions		
	1A	2A	ЗА	4A				
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	† X	Ĭ	T	T-X-				
Flare cross slope is greater than 10%	†	ļ		†				
Curb ramp running slope is greater than 8.3%	†	x		†				
Blended transition running slope is greater than 5%	· <del></del>	i		!	1			
Cut-thru ramp running slope is greater than 5%	+	<b>!</b>		†	1	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>	i	l	†				
Curb ramp width is less than 48"	Ť	İ	X	†	i !			
Cut-thru ramp width is less than 60"	<del></del>	t	<del> </del>	†				
Permanent obstruction (>0.25") in curb ramp/landing/flares	<del></del>	<u> </u>	x	-X				
Temporary obstruction (>0.25") in curb ramp/landing/flares	<u> </u>	!		!	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	T-x-	Ix	L-x-	T-X-	]	color truncated domes		
Landing area does not exist and is needed	T	T			]			
Landing area is less than 5 x 5 or slopes greater than 2%	T	X	X	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	Ţ	I	l	I				
greater than 5%		l						
Ponding occurs at base of curb ramp	+	t	<del> </del>	<del> </del>	1			



Ramp 1A



Ramp 2A



Ramp 3A



Ramp 4A

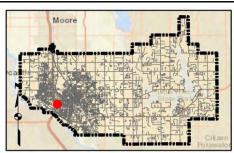
The Engineer has no control over the cost of labor, materials, equipment, or over the Contractor's methods of determining prices or over competitive bidding or market conditions. Opinions of probable costs provided herein are based on the information known to Engineer at this time and represent only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

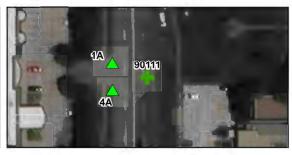
Corridor : Project Name: Citv: 24th Ave SW GPS ID: 90111 Intersection of 24th Ave SW and driveway (Lat. 35.2099; Long. -97.4766).

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>l</u> 0	<u>L</u> F	<u>                                     </u>	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	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	<u>LF</u>		0.25 \$	-
	Crosswalk Pavement Markings	<u> </u>	<u>LF</u>	! \$	6.00 \$	-
	Repave Roadway	l 0	LS	I \$	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	00	LŞ	\$	500.00 \$	-
	Fix Curb Ramp Counter Slope	1 0	<u>i LS</u>	\$	2,000.00   \$	-
Basis for Cost Proje					Subtotal: \$	5,502.00
	☑ No Design Completed			Engineering: (% +/-)	15% \$	1,070.57
	□ Preliminary Design			Contingency: (% +/-)	20% \$	1,427.43
	☐ Final Design			Estimated Pro	ject 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 <sub>l</sub>	p ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions
·	1A	4A	3 4 17	
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-X-	!x-		
Flare cross slope is greater than 10%	†	ļ		
Curb ramp running slope is greater than 8.3%	<b>†</b> -	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 ramp
Cut-thru ramp cross slope is greater than 2%	<del></del>	†		
Curb ramp width is less than 48"	†-x-	ix		
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-	X_		Remove and replace landing area
Curb ramp transition onto roadway is greater than 0.25	X	Χ-		Fix curb ramp transition
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	T	†		







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 SW GPS ID: 90112 Intersection of 24th Ave SW and driveway (Lat. 35.2096; Long. -97.4766).

Item No.	Item Description	Quantity	Unit		Unit Price	Item Cost
ODOT 202(A)-018	33 Unclassified Excavation	0	CY	\$	5.50 \$	
ODOT 609(A)-030	00 Concrete Curb (6" Barrier-Integral)	1 o 1	<u>L</u> F	ls	7.00 \$	
	02 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	I 0 I	SF	<u>                                     </u>	60.00 \$	-
ODOT 619(B)-479	Removal of Sidewalk	21	SY	\$	12.00 \$	252.00
ODOT 857(F)-800	06 Pavement Marking Removal (Traffic Stripe)	0	LF	<u>  \$</u>	0.25 \$	-
	Crosswalk Pavement Markings		LF	L\$	6.00 \$	-
	Repave Roadway	0I	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	Q	LS	\$	500.00 \$	
	Fix Curb Ramp Counter Slope	<u> </u>	LS	1\$	2,000.00   \$	-
Basis for Cost Pro	iection				Subtotal: \$	3.502.00

No Design Completed
 Preliminary Design
 Final Design

15% \$ 20% \$ 642.00 856.00 Engineering: (% +/-) 15%
Contingency: (% +/-) 20%
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 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 1A	o Ramp	p ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions
Curb ramp does not exist and is needed	IA	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	+x	<del> x</del>		
Flare cross slope is greater than 10%	+	<del> </del> -		
Curb ramp running slope is greater than 8.3%	+	<del> </del>		
Blended transition running slope is greater than 5%	+	<del> </del> -		
Cut-thru ramp running slope is greater than 5%	+	<del> </del>		Demous and rapides out ramp
Curb ramp cross slope is greater than 2%	+-x-	<del> </del>		Remove and replace curb ramp
Cut-thru ramp cross slope is greater than 2%	<del>†</del>	<del> </del>		
Curb ramp width is less than 48"	+	†		
Cut-thru ramp width is less than 60"	+	<del> </del> -		
Permanent obstruction (>0.25") in curb ramp/landing/flares	+	<u> </u>		
Temporary obstruction (>0.25") in curb ramp/landing/flares	<del>+</del>	<del> </del>	1	
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	Ť-X-	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%	†X	<del>X</del>		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	T	i		
greater than 5%	1			
Ponding occurs at base of curb ramp	+	i		







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 SW GPS ID: 90113 Intersection of 24th Ave SW and driveway (Lat. 35.2088; Long. -97.4766)

Item No.	Item Description	Quantity	Unit		Unit Price	Item Cost
ODOT 202(A)-018	3 Unclassified Excavation	0	CY	<u></u>	5.50 \$	-
ODOT 609(A)-030	0 Concrete Curb (6" Barrier-Integral)	l o	<u>L</u> F	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)-4615	Tactile Warning Device - Retrofit	0	! SF	<u>l \$</u>	60.00 \$	<del>-</del>
ODOT 619(B)-479	2 Removal of Sidewalk	18	SY	\$	12.00 \$	216.00
ODOT 857(F)-800	6 Pavement Marking Removal (Traffic Stripe)	l0	LF	<u>  \$</u>	0.25 \$	
	Crosswalk Pavement Markings		<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 LS		5,000.00 \$	
	Remove Temporary Obstruction	<u>0</u>	LS	<u> </u>	500.00 \$	<u>-</u>
	Fix Curb Ramp Counter Slope	. 0	<u>LS</u>	\$	2,000.00   \$	-
Dogio for Cost Droi	action				Cubtotali C	1 466 00

Basis for Cost Projection

☑ No Design Completed
□ Preliminary Design
□ Final Design

Subtotal: \$ 15% \$ 20% \$ 1,466.00 228.86 305.14 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 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 Ramp	p ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions
	1A	4A		
Curb ramp does not exist and is needed	1	<u> </u>		
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	†-x-	!x		
Flare cross slope is greater than 10%	†	ļ		
Curb ramp running slope is greater than 8.3%	<b>†</b> -	x		
Blended transition running slope is greater than 5%	T	†		
Cut-thru ramp running slope is greater than 5%	Ť	!		Remove and replace curb ramp
Curb ramp cross slope is greater than 2%	†	†		Tremove and replace curb famp
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> -	†	1	
Permanent obstruction (>0.25") in curb ramp/landing/flares	<del> </del>	x-		
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	ļ		
Landing area is less than 5 x 5 or slopes greater than 2%	T-x-	I		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		
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.:

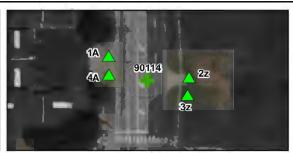
Corridor : Project Name: Citv: 24th Ave SW GPS ID: 90114 Intersection of 24th Ave SW and driveway (Lat. 35.2079; Long. -97.4766).

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>	İ \$	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	20	! SF	<u> </u>	60.00 \$	1,200.00
ODOT 619(B)-4792	Removal of Sidewalk	21	SY	\$	12.00 \$	252.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	00	<u>LF</u>	\$	0.25 \$	
	Crosswalk Pavement Markings	00	<u>LF</u>		6.00 \$	<del>-</del>
	Repave Roadway	00	LS LS	<u>  \$ 5,</u>	000.00 \$	
	Fix Ponding	00	LS	\$ 2,	000.00 \$	-
	Fix Curb Ramp Transition	0	LS	\$ 2,	000.00 \$	-
	Median Nose Modification	00	LS LS		000.00 \$	
	Remove Temporary Obstruction	<u> </u>	LS		500.00 \$	
	Fix Curb Ramp Counter Slope	. 0	<u>i LS</u>		000.00   \$	-
Basis for Cost Proje					ubtotal: \$	2,702.00
	☑ No Design Completed			ineering: (% +/-)	15% \$	556.29
	□ Preliminary Design		Con	ntingency: (% +/-)	20% \$	741.71
	☐ Final Design			Estimated Project	t Cost: \$	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 dı	iveway path c	f 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					

Crosswark striping condition					
	Curk	Ramı	o ID ('z	or 'i' in ramp label indicates no	
Curb Ramp Issues				existing ramp)	Possible Solutions
·	1A	2 <i>z</i>	3 <i>z</i>	4A	
Curb ramp does not exist and is needed	1	<u> </u>		1	
Curb ramp does not land in crosswalk	<del>-  </del>	i	† <u>-</u>	† <b></b>	
No 4'x 4' clear space at base of curb ramp		i	T	<b>!</b>	
Curbed side is not 90° or has traversable adjacent surface	† X	i	Ť	<del> -x- </del>	
Flare cross slope is greater than 10%	T	·	T		
Curb ramp running slope is greater than 8.3%	T X	i	†	x-	
Blended transition running slope is greater than 5%		i	T	[ <b>]</b>	
Cut-thru ramp running slope is greater than 5%	T	!	T	T	Remove and replace curb ramp
Curb ramp cross slope is greater than 2%	T X	i	† <u>-</u>	† <b>†</b>	Tromove and replace outs ramp
Cut-thru ramp cross slope is greater than 2%	<del>-  </del>	i	†	<b>!</b>	
Curb ramp width is less than 48"	T X	I	T	T1	
Cut-thru ramp width is less than 60"	T	ļ	T	Ţ <b></b>	
Permanent obstruction (>0.25") in curb ramp/janding/flares	T-X-	i	T	x-	
Temporary obstruction (>0.25") in curb ramp/landing/flares	T	[	Ι		
No textured surface at base of curb ramp	X	X	X	X_]	For intersection, commercial driveway, and park ramps, inst
No color contrast at base of curb ramp	TX	X	T X	[_X_]	color truncated domes
Landing area does not exist and is needed	I		Ι		
Landing area is less than 5" x 5" or slopes greater than 2%		ļ		_ 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	1				
greater than 5%	_i	İ	İ		
Ponding occurs at base of curb ramp	T	[	Ţ		



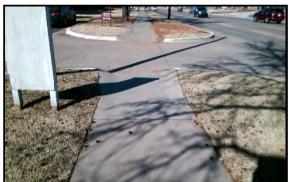
Ramp 1A



Corner 3 No Ramp (3z)



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.

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: 90115
Project Name: Intersection of 24th Ave SW and driveway (Lat. 35.2072; Long. -97.4766)
City: Norman

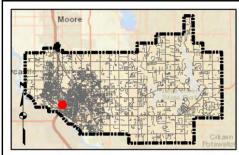
Item No.	Item Description	Quantity	Unit		Unit Price	Item Cost
ODOT 202(A)-018	3 Unclassified Excavation	0	CY	\$	5.50 \$	-
ODOT 609(A)-030	0 Concrete Curb (6" Barrier-Integral)	I 0	LF	ls	7.00 \$	
ODOT 610(A)-060	2 4" Concrete Sidewalk	15	SY		50.00 \$	750.00
ODOT 610(I)-461	0 Tactile Warning Device - New	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	21	SY		12.00 \$	252.00
ODOT 857(F)-800	6 Pavement Marking Removal (Traffic Stripe)	0	LF	<u> </u>	0.25 \$	-
	Crosswalk Pavement Markings	0	LF	<u> </u> \$	6.00 \$	
	Repave Roadway	0	LS	İ\$	5,000.00 \$	-
	Fix Ponding	11	LS	\$	2,000.00 \$	2,000.00
	Fix Curb Ramp Transition	2	LS	\$	2,000.00 \$	4,000.00
	Median Nose Modification	0	LS	\$	5,000.00 \$	
	Remove Temporary Obstruction	<u> </u>	LS	\$	500.00 \$	<u></u>
	Fix Curb Ramp Counter Slope	1 0	<u>LS</u>	\$	2,000.00   \$	-
Basis for Cost Pro	iection				Subtotal: \$	7 502 00

Basis 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 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 Domo Issues	Curl	Ram	DID ('z' or 'i' in ramp label indicates no	Possible Solutions		
Curb Ramp Issues	1A	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	†				
Curbed side is not 90° or has traversable adjacent surface	†x	!x-				
Flare cross slope is greater than 10%	<b>†</b> -	ļ				
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%	<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%	<b>†</b> -	†				
Curb ramp width is less than 48"	†	İ				
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-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-	X		Remove and replace landing area		
Curb ramp transition onto roadway is greater than 0.25	X	Χ-		Fix curb ramp transition		
Counter slope of the gutter or street at the foot of the curb ramp is						
greater than 5%	1	i				
Ponding occurs at base of curb ramp	<u> </u>	×		Fix ponding		

90115







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 SW GPS ID: 90116 Intersection of 24th Ave SW and driveway (Lat. 35.207; Long. -97.4766).

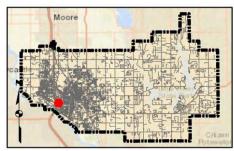
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.50 \$	-
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	<u> </u>	<u>LF</u>	l \$ 7.00 l \$	· -
ODOT 610(A)-0602	4" Concrete Sidewalk	15	SY	\$ 50.00 \$	750.00
ODOT 610(I)-4610	Tactile Warning Device - New	20	SF	\$ 25.00 \$	500.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	\$ 60.00 \$	-
ODOT 619(B)-4792	Removal of Sidewalk	21	SY	\$ 12.00 \$	252.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25 \$	· -
	Crosswalk Pavement Markings	0	LF	\$ 6.00 \s	-
	Repave Roadway	0	LS	\$ 5,000.00 \$	
	Fix Ponding	0	LS	\$ 2,000.00 \$	-
	Fix Curb Ramp Transition	2	LS	\$ 2,000.00 \$	4,000.00
	Median Nose Modification	0	LS	\$ 5,000.00 \$	-
	Remove Temporary Obstruction	<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% \$ 5,502.00 1,070.57 Engineering: (% +/-) Contingency: (% +/-) 1,427.43 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 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	p ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions		
	1A	4A	chaing ramp)			
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	†	†				
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%	<b>†</b> -	†				
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> -	†	1			
Permanent obstruction (>0.25") in curb ramp/landing/flares	+ ×	X				
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-	X		Remove and replace landing area		
Curb ramp transition onto roadway is greater than 0.25	X	Χ-		Fix curb ramp transition		
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	T	†				







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

Corridor: 24th Ave SW GPS ID: 90117
Project Name: Intersection of 24th Ave SW and driveway (Lat. 35.2065; Long. -97.4766)
City: Norman

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	18	SY	\$	50.00 \$	900.00
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	\$	60.00 \$	
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	LF	<u> </u> \$	6.00 \$	
	Repave Roadway	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	<u> </u> \$	5,000.00 \$	
	Remove Temporary Obstruction	0	LŞ	\$	500.00 \$	
	Fix Curb Ramp Counter Slope	<u> </u>	<u>LS</u>	\$	2,000.00   \$	-
Basis for Cost Pro	ection				Subtotal: \$	3 532 00

Basis for Cost Projection

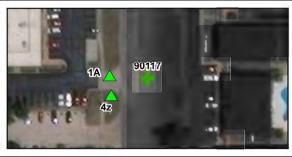
☑ No

No Design Completed
 Preliminary Design
 Final Design

# 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	Cur	b Ramp	o ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions
	1A	4z	Calculating ramp)	
Curb ramp does not exist and is needed		X		Install curb ramp; if median improvement, see shapefile
Curb ramp does not land in crosswalk	Ť	Î		
No 4' x 4' clear space at base of curb ramp	T	†		
Curbed side is not 90° or has traversable adjacent surface	Ť	Ť		
Flare cross slope is greater than 10%	<b>T</b>	†		
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%	T X	†		Tremove and replace curb famp
Cut-thru ramp cross slope is greater than 2%	<del></del>	†		
Curb ramp width is less than 48"	Ť	†		
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	†		
No textured surface at base of curb ramp	X	T		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	T	1		
Landing area is less than 5 x 5 or slopes greater than 2%	T-X-	I		Remove and replace landing area
Curb ramp transition onto roadway is greater than 0.25	X	ļ		Fix curb ramp transition
Counter slope of the gutter or street at the foot of the curb ramp is				
greater than 5%	i			
Ponding occurs at base of curb ramp	<del></del>	†		







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.SW GPS ID: 90118
Project Name: Intersection of 24th Ave SW and driveway (Lat. 35.2063; Long. -97.4767)
City: Norman

Item No.	Item Description	Quantity	Unit		Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$	5.50 \$	-
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	0	<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	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)	0	LF	\$	0.25 \$	-
	Crosswalk Pavement Markings	0	LF	<u> </u> \$	6.00 \$	-
	Repave Roadway	0	LS	İ\$	5,000.00 \$	<u>-</u>
	Fix Ponding	0	LS	\$	2,000.00 \$	-
	Fix Curb Ramp Transition	11	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	\$	500.00 \$	
	Fix Curb Ramp Counter Slope	0	LS	į \$	2,000.00   \$	-
Basis for Cost Proje	ction				Subtotal: \$	3,502.00

´ ☑ No

No Design Completed
 Preliminary Design
 Final Design

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

# Project Location







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	Ram	o ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions		
		4A				
Curb ramp does not exist and is needed	1					
Curb ramp does not land in crosswalk	†	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	Ì				
Flare cross slope is greater than 10%	†					
Curb ramp running slope is greater than 8.3%	X	x				
Blended transition running slope is greater than 5%	<b>†</b> -	i				
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>	i				
Curb ramp width is less than 48"	†	İ				
Cut-thru ramp width is less than 60"	<del> </del>	!	1			
Permanent obstruction (>0.25") in curb ramp/landing/flares	<del> </del>					
Temporary obstruction (>0.25") in curb ramp/landing/flares	T	l				
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	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	I	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	<b>†</b>	i				







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.

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

Corridor : Project Name: Citv: 24th Ave SW GPS ID: 90119 Intersection of 24th Ave SW and driveway (Lat. 35.2055; Long. -97.4767)

Item No.	Item Description	Quantity	Unit	Uni	t 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>	ls.	7.00 \$	
ODOT 610(A)-0602	4" Concrete Sidewalk	33	SY	\$	50.00 \$	1,650,00
ODOT 610(I)-4610	Tactile Warning Device - New	40	SF	\$	25.00 \$	1,000.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	0	SF	<u>                                     </u>	60.00 \$	<del>-</del>
ODOT 619(B)-4792	Removal of Sidewalk	<u>  28</u>	SY	İ \$	12.00 \$	336.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	0	LF		0.25 \$	
	Crosswalk Pavement Markings	0 1	<u>LF</u>	! \$	6.00 \$	-
	Repave Roadway	0 1	LS	<u>                                     </u>	5,000.00 \$	-
	Fix Ponding	0	LS	<u></u> \$	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	<u> </u>	500.00 \$	
	Fix Curb Ramp Counter Slope	1 0 1	<u>LS</u>	\$	2,000.00   \$	-

Basis for Cost Projection

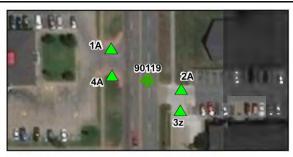
No Design Completed
Preliminary Design
Final Design

Subtotal: \$ 15% \$ 20% \$ 6,986.00 1,291.71 Engineering: (% +/-) Contingency: (% +/-) 1,722.29 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					

Curb Ramp Issues	Curk	Ramp	,		in ramp label indicates no ng ramp) Possible Solutions
		2A	3 <i>z</i>	4A	
Curb ramp does not exist and is needed			X		Install curb ramp; if median improvement, see shapefile
Curb ramp does not land in crosswalk	T		i	1	
No 4' x 4' clear space at base of curb ramp	T			i	
Curbed side is not 90° or has traversable adjacent surface	T X	X	T	ii	
Flare cross slope is greater than 10%	<b>†</b> -				
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%	Ť				Remove and replace curb ramp
Curb ramp cross slope is greater than 2%	† X			X	Tremove and replace early famp
Cut-thru ramp cross slope is greater than 2%	<del> </del>			!	
Curb ramp width is less than 48"	†	i	i	İ	
Cut-thru ramp width is less than 60"	T			İ	
Permanent obstruction (>0.25") in curb ramp/landing/flares	<b>T</b> -			1	
Temporary obstruction (>0.25") in curb ramp/landing/flares	T				
No textured surface at base of curb ramp	<u> </u>	Х	l	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	<u> </u>				
Landing area is less than 5 x 5 or slopes greater than 2%	<b></b>	X	L	_ X	Remove and replace landing area
Curb ramp transition onto roadway is greater than 0.25	X	ļ	L	_ 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	T				

Kimley-Horn and Associates, Inc. Photographs Intersection of 24th Ave SW and driveway (Lat. 35.2055; Long. -97.4767)

GPS ID: 90119



Ramp 1A



Corner 3 No Ramp (3z)



Ramp 2A



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 SW GPS ID: 90120 Intersection of 24th Ave SW and driveway (Lat. 35.205; 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)	l o	LF	l \$ 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	\$ 60.00	\$ -
ODOT 619(B)-479	2 Removal of Sidewalk	21	SY	\$ 12.00	\$ 252.00
ODOT 857(F)-800	6 Pavement Marking Removal (Traffic Stripe)	0	LF	\$ 0.25	\$ -
	Crosswalk Pavement Markings	. 0	LF	\$ 6.00	\$ -
	Repave Roadway	0	LS	\$ 5,000.00	\$ -
	Fix Ponding	0	LS	\$ 2,000.00	\$ -
	Fix Curb Ramp Transition	1	LS	\$ 2,000.00	\$ 2,000.00
	Median Nose Modification	0	LS	\$ 5,000.00	\$ -
	Remove Temporary Obstruction	0	LS	\$ 500.00	
	Fix Curb Ramp Counter Slope	j 0	<u>LS</u>	\$ 2,000.00	:\$ -
Racic for Cast Proj	ection			Subtotal	\$ 3,502,00

3,502.00 642.00 856.00 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 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			p ID ('z' or 'i' in ramp label indicates no existing ramp)	Possible Solutions		
care namp recade	1A	4A	constant ramp)	. 333,2,0 33,4,1,0		
Curb ramp does not exist and is needed						
Curb ramp does not land in crosswalk	†	i				
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	i				
Flare cross slope is greater than 10%	<b>†</b> -	ļ				
Curb ramp running slope is greater than 8.3%	T	i				
Blended transition running slope is greater than 5%	T	<b>!</b>				
Cut-thru ramp running slope is greater than 5%	<b>†</b>	ļ	1	Remove and replace curb ramp		
Curb ramp cross slope is greater than 2%	†-x-	i		Tremove and replace curb famp		
Cut-thru ramp cross slope is greater than 2%	<b>†</b> -	<b></b>				
Curb ramp width is less than 48"	†	x-	1			
Cut-thru ramp width is less than 60"	<b>†</b> -	<b> </b>	1			
Permanent obstruction (>0.25") in curb ramp/landing/flares	<b>†</b> -	<b></b>				
Temporary obstruction (>0.25") in curb ramp/landing/flares	T	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	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-	X		Remove and replace landing area		
Curb ramp transition onto roadway is greater than 0.25		Χ-		Fix curb ramp transition		
Counter slope of the gutter or street at the foot of the curb ramp is	1					
greater than 5%	i	İ				
Ponding occurs at base of curb ramp	T	i				

GPS ID:

90120







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.:

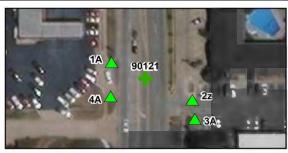
Corridor : Project Name: Citv: 24th Ave SW GPS ID: 90121 Intersection of 24th Ave SW and driveway (Lat. 35.2047; Long. -97.4767).

Item No.	Item Description	Quantity	Unit	Unit Price	e	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	<u> </u>	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	28	SY	<b>.</b> \$	50.00 \$	1,400.00
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	21	SY	İ \$	12.00 \$	252.00
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)		<u>LF</u>	I \$	0.25 \$	-
	Crosswalk Pavement Markings	<u> </u>	<u>LF</u>	<u> </u>	6.00 \$	<u> </u>
	Repave Roadway	<u> </u>	LS LS	<u> </u> \$ 5	,000.00 \$	-
	Fix Ponding	00	LS	<u>                                     </u>	,000.00 \$	-
	Fix Curb Ramp Transition	2	LS	\$ 2	,000.00 \$	4,000.00
	Median Nose Modification	0	LS		,000.00 \$	
	Remove Temporary Obstruction	<u> </u>	LS		500.00 \$	
	Fix Curb Ramp Counter Slope	1 0	<u>LS</u>		,000.00   \$	-
Basis for Cost Proje					Subtotal: \$	7,002.00
	☑ No Design Completed			Engineering: (% +/-)	15% \$	1,284.86
	Preliminary Design			Contingency: (% +/-)	20% \$	1,713.14
	☐ Final Design		L	Estimated Proje	ct Cost: \$	10,000.00

# Project Location



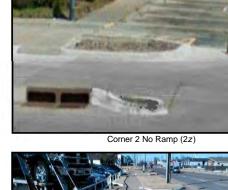




Intersection Issues	N	Cros E	swalk S	W	Possible Solutions
Path of travel pavement condition Path of travel running slope is greater than 5% Path of travel cross slope is greater than 2% for stop control approaches	All dr	iveway path o	of travel issue	s and possible :	solutions provided in driveway shapefile (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	Our	ranı		existing i	mp label indicates no Possible Solutions
	1A	2z	ЗА	4A	
Curb ramp does not exist and is needed	1	Х			Install curb ramp; if median improvement, see shapefile
Curb ramp does not land in crosswalk	†		l	† <b>1</b>	
No 4' x 4' clear space at base of curb ramp				† <b>†</b>	
Curbed side is not 90° or has traversable adjacent surface	Ť	!	i	† <b>1</b>	
Flare cross slope is greater than 10%	<del> </del>			† <b>-</b>	
Curb ramp running slope is greater than 8.3%	<b>†</b> -	}	<del> </del>	t1	
Blended transition running slope is greater than 5%		i		t1	
Cut-thru ramp running slope is greater than 5%	+		<del> </del>	t1	Remove and replace curb ramp
Curb ramp cross slope is greater than 2%	<del>†</del>	l	X	X	internove and replace curb famp
Cut-thru ramp cross slope is greater than 2%	<del></del>		<b></b>	t1	
Curb ramp width is less than 48"	·†	!	i	† <b>i</b>	
Cut-thru ramp width is less than 60"	+		<del> </del>	† <b>†</b>	
Permanent obstruction (>0.25") in curb ramp/landing/flares	+		<del>x</del>	t1	
Temporary obstruction (>0.25") in curb ramp/landing/flares	·			† <b>1</b>	
No textured surface at base of curb ramp	T X		X	X	For intersection, commercial driveway, and park ramps, insta
No color contrast at base of curb ramp	T-X-	[	L-x-	X	color truncated domes
Landing area does not exist and is needed	T			1	
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			Х	X	Fix curb ramp transition
Counter slope of the gutter or street at the foot of the curb ramp is	T			T7	
greater than 5% <del>Ponding occurs at base of curb ramp</del>	1			i I	









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

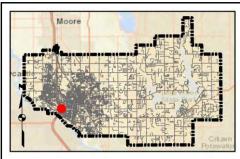
Item No.	Item Description	Quantity	Unit		Unit Price	Item Cost
ODOT 202(A)-018	3 Unclassified Excavation	0	CY	\$	5.50 \$	-
ODOT 609(A)-030	0 Concrete Curb (6" Barrier-Integral)	l o l	LF	ls	7.00 \$	-
ODOT 610(A)-060	2 4" Concrete Sidewalk	22	SY	\$	50.00 \$	1.100.00
ODOT 610(I)-4610	Tactile Warning Device - New	30	SF	\$	25.00 \$	750.00
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	<u> </u>	SF	<u>                                     </u>	60.00 \$	600.00
ODOT 619(B)-479	2 Removal of Sidewalk	31	SY	\$	12.00 \$	372.00
ODOT 857(F)-800	6 Pavement Marking Removal (Traffic Stripe)	l	<u>LF</u>	\$	0.25 \$	
	Crosswalk Pavement Markings	0	LF	<u>! s</u>	6.00 \$	
	Repave Roadway	l0l	LS	İ\$	5,000.00 \$	-
	Fix Ponding	0 1	LS	\$	2,000.00 \$	-
	Fix Curb Ramp Transition	3	LS	\$	2,000.00 \$	6,000.00
	Median Nose Modification	0	LS	\$	5,000.00 \$	
	Remove Temporary Obstruction	<u> </u>	LŞ	<u> </u>	500.00 \$	
	Fix Curb Ramp Counter Slope	<u> </u>	LS	\$	2,000.00 \$	-
Basis for Cost Proj	ection				Subtotal: \$	8,822.00

Basis for Cost Projection

No Design Completed
 Preliminary Design
 Final Design

Engineering: (% +/-) 15% \$ 1,362.00
Contingency: (% +/-) 20% \$ 1,816.00
Estimated Project Cost: \$ 12,000.00

# 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					

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



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.

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

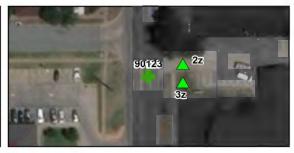
Corridor : Project Name: Citv: 24th Ave SW GPS ID: 90123 Intersection of 24th Ave SW and driveway (Lat. 35.2058; Long. -97.4767)

Item No.	Item Description	Quantity	Unit	Unit Price		Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$ 5.5	0 \$	-
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	l 0 l	<u>L</u> F	İ \$ 7.0	0 \$	
ODOT 610(A)-0602	4" Concrete Sidewalk	0	SY	\$ 50.0	0 \$	
ODOT 610(I)-4610	Tactile Warning Device - New	0	SF	\$ 25.0	0 \$	
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	<u>  20  </u>	SF	<u>  \$ 60.0</u>	0   \$	1,200.00
ODOT 619(B)-4792	Removal of Sidewalk	0	SY	\$ 12.0	0 \$	
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	<u> </u>	LF	\$0.2	5 \$	
	Crosswalk Pavement Markings	<u>  0  </u>	<u>LF</u>	<u> </u>	0 \$	-
	Repave Roadway	0 1	LS	\$ 5,000.0	0 \$	-
	Fix Ponding	0	LS	\$ 2,000.0	0 \$	-
	Fix Curb Ramp Transition	0	LS	\$ 2,000.0	0 \$	-
	Median Nose Modification	0	LS	\$ 5,000.0		
	Remove Temporary Obstruction	<u> </u>	LS	\$ 500.0		
	Fix Curb Ramp Counter Slope	0	LS	\$ 2,000.0		-
Basis for Cost Proje				Subtot		1,200.00
	✓ No Design Completed				% \$	342.86
	□ Preliminary Design		C		% \$	457.14
	☐ Final Design			Estimated Project Co	st: \$	2,000.00
				·		•

# 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 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	DID ('z' or 'i' in ramp label indicates no	2 "1 2 1 "
Curb Ramp Issues	_	_	existing ramp)	Possible Solutions
	2z	3z		
Curb ramp does not exist and is needed	<del></del>	ļ		
Curb ramp does not land in crosswalk	<b></b>	ļ		
No 4' x 4' clear space at base of curb ramp		<u> </u>		<u> </u>
Curbed side is not 90° or has traversable adjacent surface	⊥	ij		
Flare cross slope is greater than 10%	1			
Curb ramp running slope is greater than 8.3%	T	Ī		
Blended transition running slope is greater than 5%	T	1		
Cut-thru ramp running slope is greater than 5%	T	!		
Curb ramp cross slope is greater than 2%	†	† <u> </u>		
Cut-thru ramp cross slope is greater than 2%	Ť	† <u>-</u>		
Curb ramp width is less than 48"	†	ii		
Cut-thru ramp width is less than 60"	<del> </del>	!		
Permanent obstruction (>0.25") in curb ramp/landing/flares	<del></del>	† <u> </u>		
Temporary obstruction (>0.25") in curb ramp/landing/flares	+	<b>!</b>		
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	Ť-X-	T-X-1		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>	!		
Curb ramp transition onto roadway is greater than 0.25"	T	1		
Counter slope of the gutter or street at the foot of the curb ramp is	T	<b>!</b>		
greater than 5%	-			
Ponding occurs at base of corb ramp	+	<del> </del>		



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)

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 SW GPS ID: 90124 Intersection of 24th Ave SW and driveway (Lat. 35.2086; Long. -97.4767).

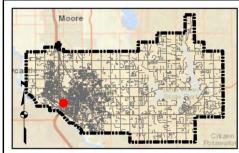
Item No.	Item Description	Quantity	Unit		Unit Price	Item Cost
ODOT 202(A)-0183	Unclassified Excavation	0	CY	\$	5.50 \$	-
ODOT 609(A)-0300	Concrete Curb (6" Barrier-Integral)	l o l	<u>L</u> F	ls	7.00 \$	-
ODOT 610(A)-0602	4" Concrete Sidewalk	<u> </u>	SY		50.00 \$	
ODOT 610(I)-4610	Tactile Warning Device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

# 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 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	b Ramp	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	1			
Curb ramp does not land in crosswalk	T			
No 4' x 4' clear space at base of curb ramp	T	Ī		
Curbed side is not 90° or has traversable adjacent surface	T	T		
Flare cross slope is greater than 10%	T	!		
Curb ramp running slope is greater than 8.3%	T	i		
Blended transition running slope is greater than 5%	T	T		
Cut-thru ramp running slope is greater than 5%	T	!		
Curb ramp cross slope is greater than 2%	Ť	i		
Cut-thru ramp cross slope is greater than 2%	<b>†</b> -	†		
Curb ramp width is less than 48"	Ť	İ		
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	Ī		
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		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	ļ		
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%	1	i		
Ponding occurs at base of curb ramp	T	†		



Corner 2 No Ramp (2z)



Corner 3 No Ramp (3z)

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 SW GPS ID: 90125 Intersection of 24th Ave SW and driveway (Lat. 35.2089; Long. -97.4766).

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	00 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	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	21	SY		12.00 \$	252.00
ODOT 857(F)-800	6 Pavement Marking Removal (Traffic Stripe)	0	LF	<u> </u>	0.25 \$	-
	Crosswalk Pavement Markings	. 0	<u>LF</u>	<u> </u> \$	6.00 \$	
	Repave Roadway	0	LS	İ\$	5,000.00 \$	-
	Fix Ponding	0	LS	\$	2,000.00 \$	-
	Fix Curb Ramp Transition	1 1	LS	\$	2,000.00 \$	2,000.00
	Median Nose Modification	0	LS	<u> </u> \$	5,000.00 \$	
ļ	Remove Temporary Obstruction	<u> 0</u>	LŞ	\$	500.00 \$	
	Fix Curb Ramp Counter Slope	1 0	LS	\$	2,000.00   \$	-
Basis for Cost Pro	jection				Subtotal: \$	3 502 00

No Design Completed
 Preliminary Design
 Final Design

15% \$ 20% \$ 642.00 856.00 Engineering: (% +/-) 15%
Contingency: (% +/-) 20%
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 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	o ID ('z' or 'i' in ramp label indicates no	2 " 2 2 4 "		
Curb Ramp Issues	existing ramp) 2A 3A		existing ramp)	Possible Solutions		
Curb ramp does not exist and is needed	1	<u> </u>				
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	+	†				
Flare cross slope is greater than 10%	+	†				
Curb ramp running slope is greater than 8.3%	-†	t				
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	x		Internove and replace curb ramp		
Cut-thru ramp cross slope is greater than 2%	T	†				
Curb ramp width is less than 48"	T	Ī				
Cut-thru ramp width is less than 60"	T	ļ				
Permanent obstruction (>0.25") in curb ramp/landing/flares Temporary obstruction (>0.25") in curb ramp/landing/flares	<del></del>	ļ				
No textured surface at base of curb ramp	- <del>+x-</del> -	<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>		<u> </u>		
Landing area is less than 5' x 5' or slopes greater than 2%	- <del>†x</del>	<del> x</del>		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	T	t				
greater than 5%	-					
Ponding occurs at base of curb ramp	+	†				







Ramp 3A

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: 93223 E Lindsey St Intersection of E Lindsey St and driveway (Lat. 35.2038; Long. -97.4214)

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>L</u> F	İ\$ 7.00	\$	
ODOT 610(A)-0602	4" Concrete Sidewalk	<u> </u>	SY	\$ 50.00	\$	<del>-</del>
ODOT 610(I)-4610	Tactile Warning Device - New	0	SF	\$ 25.00	\$	
ODOT 610(I)-4615	Tactile Warning Device - Retrofit	20	SF	<u>  \$ 60.00</u>	\$	1,200.00
ODOT 619(B)-4792	Removal of Sidewalk	0	SY	\$ 12.00	\$	<del>-</del>
ODOT 857(F)-8006	Pavement Marking Removal (Traffic Stripe)	<u> </u>	<u>LF</u>	<b> </b> \$0.25	\$	
	Crosswalk Pavement Markings	0	<u>LF</u>	\$ 6.00	\$	<del>-</del>
	Repave Roadway	0	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		<del>-</del>
	Fix Curb Ramp Counter Slope	0	LS	j\$ 2,000.00		-
Basis for Cost Proje				Subtotal		1,200.00
	☑ No Design Completed			gineering: (% +/-) 15%		342.86
	□ Preliminary Design		Co	ontingency: (% +/-) 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 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						

	Curk	Ramp	DID ('z' or 'i' in ramp label indicates no	
Curb Ramp Issues			existing ramp)	Possible Solutions
	3 <i>z</i>	4z		
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	T	T		
Flare cross slope is greater than 10%	T	!		
Curb ramp running slope is greater than 8.3%	T	l		
Blended transition running slope is greater than 5%	T	i		
Cut-thru ramp running slope is greater than 5%	T	Ī		
Curb ramp cross slope is greater than 2%	T	!		
Cut-thru ramp cross slope is greater than 2%	T	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	X		color truncated domes
Landing area does not exist and is needed	ļ			
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			
Counter slope of the gutter or street at the foot of the curb ramp is	Ī	[		
greater than 5%	İ	i		
Ponding occurs at base of curb ramp				







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.

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: 93224 E Lindsey St Intersection of E Lindsey St and driveway (Lat. 35.2038; Long. -97.4212)

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)	l o	<u>LF</u>	İ \$ 7.	oo is	
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	l \$ 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	<u>LF</u>	L\$ 6.	00 \$	-
	Repave Roadway	l 0	LS LS	l \$ 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.		-
	Fix Curb Ramp Counter Slope	. 0	<u>LS</u>	j\$ 2,000.		
Basis for Cost Proje				Subto		1,200.00
	✓ No Design Completed				5% \$	342.86
	□ Preliminary Design		Cor		0% \$	457.14
	☐ Final Design			Estimated Project Co	st: \$	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 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	DID ('z' or 'i' in ramp label indicates no	
Curb Ramp Issues			existing ramp)	Possible Solutions
	3 <i>z</i>	4z		
Curb ramp does not exist and is needed	i			
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%	T	l		
Blended transition running slope is greater than 5%	T	i		
Cut-thru ramp running slope is greater than 5%	T	Ī		
Curb ramp cross slope is greater than 2%	Ī	!		
Cut-thru ramp cross slope is greater than 2%	T	T		
Curb ramp width is less than 48"	Τ	[		
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	<del> </del>			
No textured surface at base of curb ramp	<del>  x</del>	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	<u> </u>			
Landing area is less than 5 x 5 or slopes greater than 2%	I	[		
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	i		
Ponding occurs at base of curb ramp	<b>†</b>			



Corner 3 No Ramp (3z)



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.