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

Client:	**Town of Addison**	**Date: 1/2/18**
Program:	**ADA Self-Evaluation and Transition Plan**	**Prepared By: CMP**
KHA No.:	**063543021**	**Checked By: EPE**

Corridor :	**Addison Cir**	**GPS ID: 90116**
Project Name:	**Intersection of Addison Cir and Spectrum Dr (south)**	
Town:	**Addison**	

Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost
TxDOT 110-6001	EXCAVATION (ROADWAY)	0	CY	$ 10.00	$ -
TxDOT 529-6002	CONC CURB (TY II)	0	LF	$ 15.00	$ -
TxDOT 531-6001	CONC SIDEWALKS (4")	35	SY	$ 45.00	$ 1,575.00
TxDOT 531	CURB RAMPS	5	EA	$ 1,500.00	$ 7,500.00
TxDOT 5003-6002	RETROFIT DET WARN SURF (CAST IN PLACE)	30	SF	$ 50.00	$ 1,500.00
TxDOT 104-6015	REMOVING CONC (SIDEWALKS)	62	SY	$ 9.00	$ 558.00
TxDOT 677	ELIM EXT PAVE MRK & MRKS	0	LF	$ 2.80	$ -
TxDOT 666/678	REFL PAV MRK PREP, TY I & TY II (W) 24"(SLD)	290	LF	$ 8.50	$ 2,465.00
---	REPAVE ROADWAY	0	LS	$ 5,000.00	$ -
---	FIX PONDING	0	LS	$ 2,000.00	$ -
---	FIX CURB RAMP TRANSITION	2	LS	$ 2,000.00	$ 4,000.00
---	MEDIAN NOSE MODIFICATION	0	LS	$ 5,000.00	$ -
---	REMOVE TEMPORARY OBSTRUCTION	0	LS	$ 500.00	$ -
---	FIX CURB RAMP COUNTER SLOPE	0	LS	$ 2,000.00	$ -

Basis for Cost Projection

- ☑ No Design Completed
- ❑ Preliminary Design
- ❑ Final Design

Subtotal:		$ 17,598.00
Engineering: (% +/-)	20%	$ 3,701.00
Contingency: (% +/-)	20%	$ 3,701.00
Estimated Project Cost:		**$ 25,000.00**

Project Location

Field Observations

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

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

Comment: Existing sidewalk, curb ramp, and/or striping configurations permit pedestrians to cross the major street. An Engineering study is needed to confirm crossing should be accomm


Ramp 1A


Ramp 2A


Ramp 3A


Ramp 3B


Ramp 4A


Ramp 4B

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

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

End of Project Description for Project 90116 Intersection of Addison Cir and Spectrum Dr (south)