Kimley-Horn and A Project Description	Associates, Inc. n for Signalized Intersection				Priority: 9	
Client: Program: KHA No.:	Town of Addison ADA Self-Evaluation and Transition Plan 063543021		Date: 1/2/18 Prepared By: CMP Checked By: EPE			
Corridor : Project Name: Town:	Spring Valley Rd Intersection of Spring Valley Rd and Vitruvian Way Addison				GPS ID: 17	
Item No.	Item Description	Quantity	Unit	Unit Price	Item Cost	
TxDOT 110-6001	EXCAVATION (ROADWAY)	0	CY	\$ 10.00	s -	
TxDOT 529-6002	CONC CURB (TY II)	0	LF	\$ 15.00	\$ -	
TxDOT 531-6001	CONC SIDEWALKS (4")	8	SY	\$ 45.00	\$ 360.00	
TxDOT 531	CURB RAMPS	3	EA	\$ 1,500.00	\$ 4,500.00	
TxDOT 5003-6002	RETROFIT DET WARN SURF (CAST IN PLACE)	0	SF	\$ 50.00	\$ -	
TxDOT 104-6015	REMOVING CONC (SIDEWALKS)	29	SY	\$ 9.00	\$ 261.00	
TxDOT 687-6002	PEDESTRIAN PUSH BUTTON POLE	3	EA	\$ 1,400.00	\$ 4,200.00	
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)	0	LF	\$ 8.50	\$ -	
TxDOT 688-6001	PED DETECT PUSH BUTTON (APS)	0	EA	\$ 1,300.00	\$ -	
TxDOT 690-6030	REMOVAL OF PEDESTRIAN PUSH BUTTONS	0	EA	\$ 125.00	\$ -	
	RELOCATE PEDESTRIAN PUSH BUTTONS	3	EA	\$ 300.00	\$ 900.00	
TxDOT 682-6018	PED SIG SEC (LED) (COUNTDOWN)	0	EA	\$ 500.00	\$ -	
	PEDESTRIAN PUSH BUTTON SIGN	8	EA	\$ 150.00	\$ 1,200.00	
	REMOVE PEDESTRIAN PUSH BUTTON SIGN	8	EA	\$ 50.00		
	REPAVE ROADWAY	0	LS	\$ 5,000.00	\$-	
	FIX PONDING	0	LS	\$ 2,000.00	\$-	
	FIX CURB RAMP TRANSITION	0	LS	\$ 2,000.00	<b>\$</b> -	
	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 Proje				Subtotal:	\$ 11,821.00	
-	No Design Completed			Engineering: (% +/-) 20%	\$ 2,589.50	
	Preliminary Design			Contingency: (% +/-) 20%	\$ 2,589.50	
	Final Design			Estimated Project Cost:	\$ 17,000.00	

## Project Location



Field Observations	
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							Crosswalk			
Intersection Issues Path of travel pavement condition		Ν			E		S	w	Possible Solutions	
		Good			Good		Good	Good		
Path of travel pavement condition Path of travel running slope is greater than 5%		Guuu			Guuu		0000	0000		
Path of travel cross slope is greater than 5%		·····	•••••		······	•••••				
Crosswalk width is less than 6'		•••••	·····		••••••	•••••				
Crosswalk width's less than o		Good			Good		Good	Good		
	-			_						
Curb Ramp Issues					D ('z' or 'i' in ramp 3D 3E 4A		amp label indicates no e	isting ramp)	Possible Solutions	
Curb ramp does not exist and is needed		27	37 3	1	1	40				
Curb ramp does not land in crosswalk					+					
No 4' x 4' clear space at base of curb ramp					·					
Curbed side is not 90° or has traversable adjacent surface					+					
Flare cross slope is greater than 10%					·					
Curb ramp running slope is greater than 10%	x	Х			+	х				
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%	-	ŀ			+				Remove and replace curb ramp	
Cut-thru ramp cross slope is greater than 5%					+					
Curb ramp width is less than 48"					· • · · · · ·					
Cut-thru ramp width is less than 60"					+					
Permanent obstruction (>0.25") in curb ramp/landing/flares	-				•••••••					
Temporary obstruction (>0.25") in curb ramp/landing/flares					+					
No textured surface at base of curb ramp		·								
No color contrast at base of curb ramp					+					
Landing area does not exist and is needed					+					
Landing area is less than 5' x 5' or slopes greater than 2%	Х				+				Remove and replace landing area	
Missing or no pedestrian push buttons					•••••••					
Pedestrian push button is offset more than 5' from the nearest					+					
crosswalk edge		Х							Install push button pole and relocate pedestrian push	
Pedestrian push button offset more than 10' from curb face				X	X				buttons	
Pedestrian push button is not parallel to crosswalk				- ^	1					
Pedestrian push button height is greater than 48"					+					
Pedestrian push button diameter is not 2"	1	ŀ		-	1	1				
Pedestrian push button sign does not exist					+					
Pedestrian push button sign is not MUTCD approved	Х	Х		Х	Х	Х			Remove and replace pedestrian push button sign	
Clear floor space does not exist and is needed	X				1	X			Install clear floor space	
Clear floor space for pedestrian push button is less than 30" x 48" or						1			Demons and scalars along flass space	
has a slope greater than 2%				х					Remove and replace clear floor space	
Missing or no pedestrian signal heads	1	1		1	1	1				
Curb ramp transition onto roadway is greater than 0.25"	1				1					
Counter slope of the gutter or street at the foot of the curb ramp is	1				1	1				
greater than 5%										
Ponding occurs at base of curb ramp	1	I			T					

Kimley-Horn and Associates, Inc. Photographs

Intersection of Spring Valley Rd and Vitruvian Way GPS ID: 17



Ramp 1A



Ramp 2A





Ramp 3A





Ramp 4A

## Curb Ramp Recommendation Details: Types 1-11 (Standard Corner Ramp) Type 20 (Median Ramps with Shared Landing) Type 21 (Median Cut-thru Ramp) Type 22 (Channelizing Island Cut-thru Ramp)

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

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End of Project Description for Project 17 Intersection of Spring Valley Rd and Vitruvian Way