

Resolution: 2016-07

CITY OF HARRISBURG, SOUTH DAKOTA

RESOLUTION OF COMMITMENT
FOR THE SDDOT COMMUNITY ACCESS GRANT APPLICATION

WHEREAS, the City of Harrisburg is desirous of requesting assistance from the South Dakota Department of Transportation Community Access Grant Program for the purpose of completing a proposed street reconstruction and improvement project at the intersection of Cliff Avenue and Industrial Road; and

WHEREAS, the City of Harrisburg does hereby commit to the continued maintenance of the project and,

WHEREAS, the City of Harrisburg makes a firm financial commitment to cover the costs of the engineering and the local match for the project, currently estimated at approximately \$537,539.97; and

WHEREAS, the City of Harrisburg acknowledges its responsibility to secure any needed right-of-way or easements for construction.

NOW, THEREFORE, BE IT RESOLVED that the City of Harrisburg does hereby adopt this resolution authorizing the filing of the grant application, including all understandings and assurances contained therein, for the South Dakota Department of Transportation Community Access Grant Program, and does hereby authorize the Mayor to act in connection with the application and to provide such additional information as may be required.

Dated this _____ day of _____, 2016.

Julie Burke-VanLuvanee, Mayor

ATTEST:

Mary McClung, Finance Officer

Problem/Need: Traffic congestion at peak times such as early morning and shift changes at the adjacent industrial park. Traffic counts from May 22, 2014 (most current) show 5,446 vehicles on Cliff Avenue to the north of Willow Street in Harrisburg in one 24 hour period. The peak hourly volume on May 22, 2014 was 614 vehicles from 4:45 pm to 5:45 pm. Also, data from the Regional Travel Demand Model estimates that 6.6% of the average daily traffic is large trucks

Benefit: Reduce congestion, increase Level of Service and increase safety. During periods of high traffic on Cliff Avenue it becomes very difficult to enter onto Cliff Avenue from the side streets due to the lack of traffic signals and turn lanes. The addition of turn lanes and a signalized intersection would reduce congestion on the side streets, increase the Level of Service for the area and increase safety.

Construction: Work on this project would include pavement removals, site grading to widen Cliff Avenue, a 12" water main extension, storm sewer, base course, concrete fillets, concrete curb & gutter, concrete sidewalk and asphalt paving. The proposed section would be 6" of asphalt pavement over 12" of base course. Other work on the project would include the installation of traffic signals, street lights, striping and site restoration.

Project Cost Estimate

Intersection Improvements (Widening and Signalization)
 Cliff Avenue and Industrial Drive
 Harrisburg, South Dakota
 SEI No. 04_2715



June 10, 2016

ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	PRICE
Schedule A : Street					
1	Mobilization	1	LS	\$60,000.00	\$60,000.00
2	Clearing	1	LS	\$2,600.00	\$2,600.00
3	Remove Traffic Sign	6	Each	\$52.00	\$312.00
4	Remove Concrete Curb and Gutter	60	Ft	\$5.15	\$309.00
5	Remove Pipe Culvert	100	Ft	\$5.15	\$515.00
6	Remove Asphalt Concrete Pavement	2725	SqYd	\$2.10	\$5,722.50
7	Remove Concrete Sidewalk	20	SqYd	\$5.15	\$103.00
8	Saw Existing Asphalt	128	Lft	\$3.10	\$396.80
9	Saw Existing PCC Concrete	20	Lft	\$5.15	\$103.00
10	Unclassified Excavation	8800	CuYd	\$5.15	\$45,320.00
11	Unclassified Excavation, Digouts	1000	CuYd	\$5.15	\$5,150.00
12	Scarify and Recompact Subgrade	4525	SqYd	\$1.00	\$4,525.00
13	Placing Topsoil	800	CuYd	\$6.25	\$5,000.00
14	Incidental Work	1	LS	\$2,600.00	\$2,600.00
15	Crushed Concrete	3500	Ton	\$14.00	\$49,000.00
16	Geotextile Fabric for Subgrade Stabilization	4525	SqYd	\$2.50	\$11,312.50
17	Asphalt Concrete Composite	1315	Ton	\$75.00	\$98,625.00
18	6" PCC Fillet Section	156	SqYd	\$55.00	\$8,580.00
19	18" RCP, F&I	200	Ft	\$51.50	\$10,300.00
20	30" RCP, F&I	800	Ft	\$70.00	\$56,000.00
21	30" RC FES, F&I	2	Each	\$1,300.00	\$2,600.00
22	18" Storm Sewer Bedding Material	200	Ft	\$4.00	\$800.00
23	30" Storm Sewer Bedding Material	800	Ft	\$6.25	\$5,000.00
24	10' Drop Inlet	4	Each	\$4,125.00	\$16,500.00
25	Junction Box	3	Each	\$3,100.00	\$9,300.00
26	Catch Basin	2	Each	\$1,050.00	\$2,100.00
27	Furnish and Install Street Signs	1	LS	\$5,150.00	\$5,150.00
28	Epoxy Pavement Marking Paint, 4" White	900	Ft	\$1.75	\$1,575.90
29	Epoxy Pavement Marking Paint, 4" Yellow	3000	Ft	\$1.75	\$5,253.00
30	Epoxy Pavement Marking Paint, 6" White	336	Ft	\$3.50	\$1,176.00
31	Epoxy Pavement Marking Paint, 24" White	120	Ft	\$14.00	\$1,680.00
32	Epoxy Pavement Marking Paint, 24" Yellow	80	Ft	\$14.00	\$1,120.00
33	Epoxy Pavement Marking Paint, Arrow	15	Each	\$155.00	\$2,325.00
34	Epoxy Pavement Marking Paint, Combination Arrow	3	Each	\$155.00	\$465.00
35	Groove Pavement For Pavement Marking, 4"	3900	Ft	\$0.75	\$2,925.00
36	Groove Pavement For Pavement Marking, 6"	336	Ft	\$1.00	\$336.00
37	Groove Pavement For Pavement Marking, 24"	200	Ft	\$3.75	\$750.00
38	Groove Pavement for Pavement Marking, Arrow	18	Each	\$26.00	\$468.00
39	Flagging	50	Hour	\$21.00	\$1,050.00
40	Traffic Control	1	LS	\$20,600.00	\$20,600.00
41	Signalized Intersection	1	LS	\$154,500.00	\$154,500.00

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ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	PRICE
42	Street Lights	1	LS	\$20,600.00	\$20,600.00
43	Concrete Curb & Gutter Type SF66	700	Ft	\$13.50	\$9,450.00
44	Concrete Valley Gutter 6" Thick	68	SqYd	\$56.00	\$3,808.00
45	5" Concrete Sidewalk	5600	SqFt	\$3.75	\$21,000.00
46	6" Concrete Sidewalk	600	SqFt	\$4.75	\$2,850.00
47	Detectable Warning Surface	68	SqFt	\$46.50	\$3,162.00
48	Site Restoration (Seeding and Landscaping)	1	LS	\$10,300.00	\$10,300.00
49	Erosion Control	1	LS	\$15,450.00	\$15,450.00
				Subtotal Schedule A	\$688,767.70
				Contingencies (10%)	\$68,876.77
				Total Estimated Construction Costs	\$757,644.47
				Engineering, Administration & Testing	\$119,000.00
				Total Schedule A Project Costs	\$876,644.47

Project Cost Estimate

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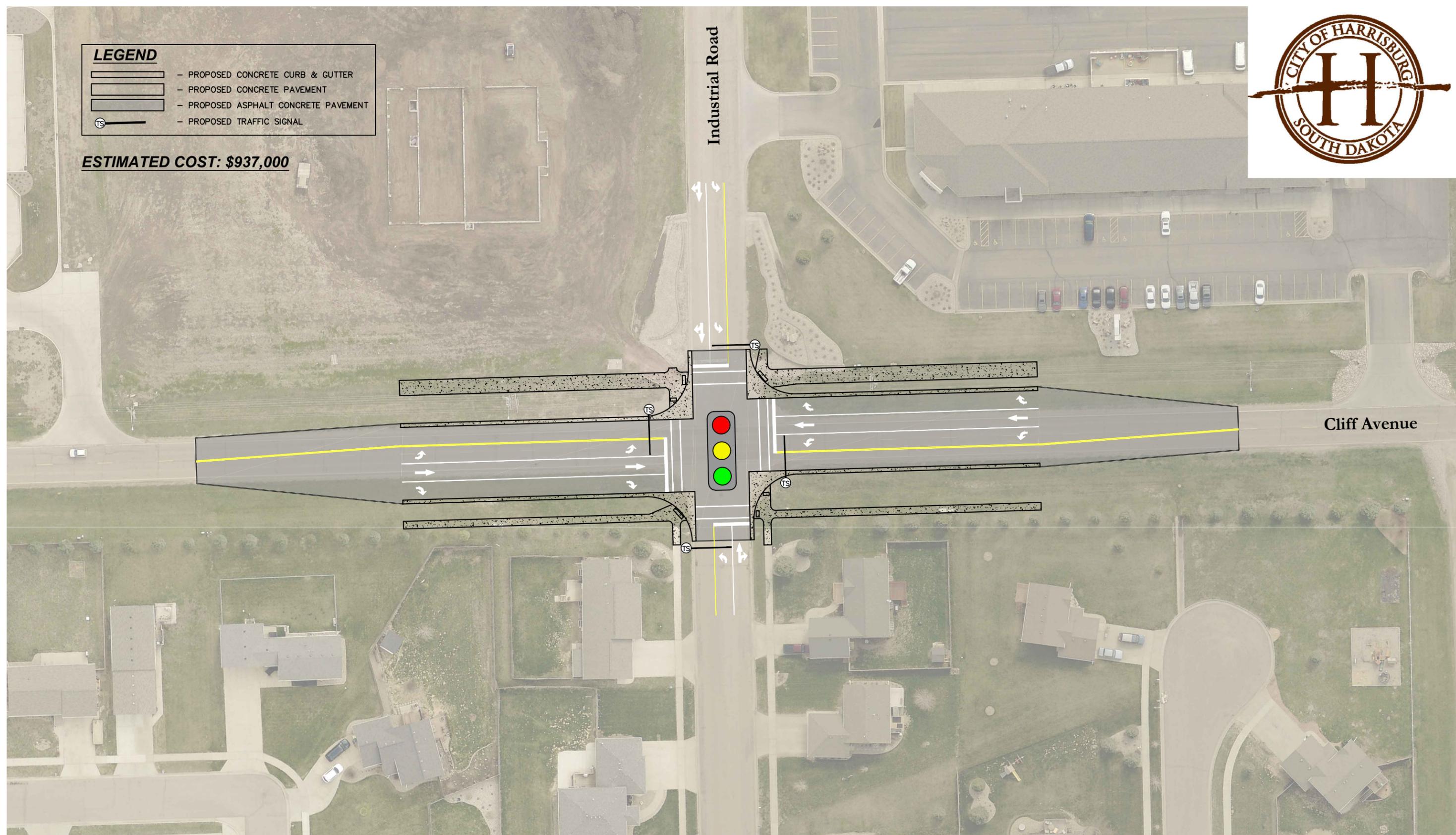
ITEM NO.	ITEM	QUANTITY	UNIT	UNIT PRICE	PRICE
Schedule B: Utilities					
50	Mobilization	1	LS	\$3,750.00	\$3,750.00
51	6" C900 DR 18 PVC Watermain	60	Ft	\$31.00	\$1,860.00
52	8" C900 DR 18 PVC Watermain	10	Ft	\$31.00	\$310.00
53	12" C900 DR 18 PVC Watermain	425	Ft	\$41.25	\$17,531.25
54	6" MJ Gate Valve with Box	1	Each	\$925.00	\$925.00
55	12" MJ Gate Valve with Box	2	Each	\$2,075.00	\$4,150.00
56	Valve Box Adjustment	8	Each	\$155.00	\$1,240.00
57	Valve Box Replacement	3	Each	\$210.00	\$630.00
58	12" x 6" MJ Tee	1	Each	\$515.00	\$515.00
59	12" x 8" MJ Cross	1	Each	\$675.00	\$675.00
60	12" MJ Plug	1	Each	\$260.00	\$260.00
61	6" MJ Long Sleeve	1	Each	\$155.00	\$155.00
62	8" MJ Long Sleeve	1	Each	\$205.00	\$205.00
63	12" MJ Long Sleeve	1	Each	\$310.00	\$310.00
64	6" M.J. Retainer Gland	5	Each	\$62.00	\$310.00
65	8" M.J. Retainer Gland	4	Each	\$80.00	\$320.00
66	12" M.J. Retainer Gland	11	Each	\$130.00	\$1,430.00
67	Cut and Tie To Existing Watermain	3	Each	\$1,050.00	\$3,150.00
68	6" Watermain Bedding Material	60	Ft	\$3.00	\$180.00
69	8" Watermain Bedding Material	10	Ft	\$4.00	\$40.00
70	12" Watermain Bedding Material	425	Ft	\$5.15	\$2,188.75
71	Adjust Manhole	2	Each	\$210.00	\$420.00
72	Reconstruct Manhole	1	Each	\$1,550.00	\$1,550.00
73	Locating Utility	5	Each	\$155.00	\$775.00
74	Verify Utility	5	Each	\$155.00	\$775.00
				Subtotal Schedule B	\$39,905.00
				Contingencies (10%)	\$3,990.50
				Total Estimated Construction Costs	\$43,895.50
				Engineering, Administration & Testing	\$17,000.00
				Total Schedule B Project Costs	\$60,895.50



LEGEND

	- PROPOSED CONCRETE CURB & GUTTER
	- PROPOSED CONCRETE PAVEMENT
	- PROPOSED ASPHALT CONCRETE PAVEMENT
	- PROPOSED TRAFFIC SIGNAL

ESTIMATED COST: \$937,000





Elementary School

Concrete Materials

Future Residential

Monsanto Corn Breeding and Trait Integration

Perfect Practice Sports Academy

Industrial Road

Showplace Wood Products

Hurco Technologies

Bank, Day Care and Commercial

Schoeneman's Lumber

Proposed Commercial

Middle School

Cliff Avenue

Proposed Traffic Signals

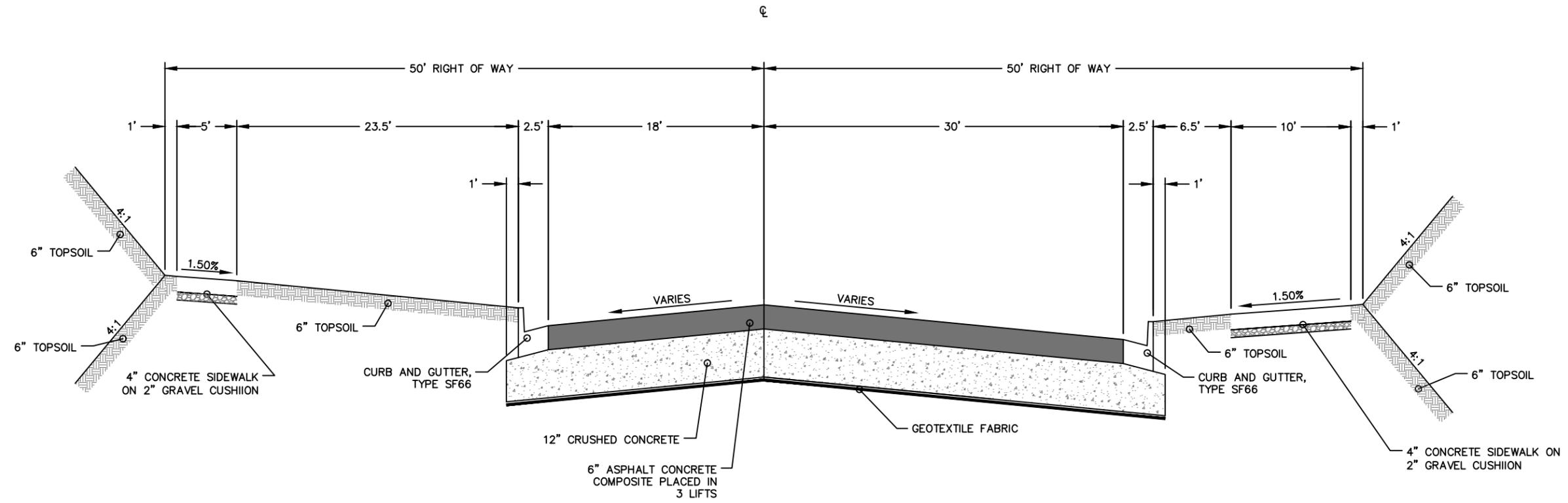
Gas Stations and Commercial

272nd Street

Willow Street

High School





TYPICAL SECTION

