Limits: Iron Horse Blvd to Hoiliday Lane 1480 lf

Existing Conditions: The roadway is not structurally sound. There are numerous base failures, large scale surface patching, severe cracking and moderate to severe distortion of the roadway. The ride quality is poor. Asphalt is oxidized and faiing. Existing paved width is 24.5 ft (+/-). Appears very thin base material over unstab soil. Recommend core to determine proposed rehabilitation.

Scope of Work: City woould remove approx 8 inches of existing materials, County would sabilize the exposed subgrade (eight inches deep) with 36#/sy stabilization agent (Cemlime slurry). Regrade and place 6 inches of HMAC base course and a 2 inch HMAC "D" surface, backfill the shoulders and clean the jobsite.

1,480 lf			
27 ft		Stab Area :	4,805 sy
26 ft		Binder Area:	4,641 sy
25 ft		Surface Area:	4,476 sy
365 sy	(Turn Lane)		
	27 ft 26 ft 25 ft	27 ft 26 ft 25 ft	27 ftStab Area :26 ftBinder Area:25 ftSurface Area:

Sa Vds	Rate/SV		Cost		Estimate	<u> </u>	Final		\$ Estimate	\$ Fir
04 103	Trate/01		003		Estimate	,	1 Indi		φΕσαπαίο	ψιι
4,805	36	lb/sy	\$ 165	00 \$/tn	86.	50 tn		tn	\$ 14,271.84	
4,805	0.20	gal/sy	\$ 1	86 \$/gal	9	61 gal		gal	\$ 1,787.58	
4,641					4	64 gal		gal	\$ 770.39	
4,641	0.33	tn/sy						tn	\$ 79,989.90	
4,476			\$ 1	66 \$/gal				gal		
4,476	0.110	tn/sy						tn		
			\$ 58	23 \$/tn		50 tn		tn	, ,	
					Subtotal				\$ 129,147	
	50%				\$ 3,82	25			\$ 1,912.50	
									City	
1			0.	033 \$/ft	\$ 6,32	20			\$ 208.56	
	Matorials + N	Aise Cost							¢ 121.269	
									+ - ,	
									÷	
	4,805 4,641 4,641 4,476 4,476	4,805 36 4,805 0.20 4,641 0.10 4,641 0.33 4,476 0.10 4,476 0.110 50% 1 1 Materials + N 10% Conting Total:	4,805 36 lb/sy 4,805 0.20 gal/sy 4,641 0.10 gal/sy 4,641 0.33 tn/sy 4,476 0.10 gal/sy 4,476 0.110 tn/sy 4,476 0.110 tn/sy 50% 1 1 1 Materials + Misc Cost 10% Contingency Total: 1	4,805 36 lb/sy \$ 165. 4,805 0.20 gal/sy \$ 1. 4,641 0.10 gal/sy \$ 1. 4,641 0.33 tn/sy \$ 52. 4,476 0.10 gal/sy \$ 1. 4,476 0.10 gal/sy \$ 1. 4,476 0.10 gal/sy \$ 1. 4,476 0.10 tn/sy \$ 58. 50% \$ 50% \$ 0.0 1 0.0 Materials + Misc Cost \$ 10% Contingency Total: \$ 50%	4,805 36 lb/sy \$ 165.00 \$/tn 4,805 0.20 gal/sy \$ 165.00 \$/gal 4,641 0.10 gal/sy \$ 1.86 \$/gal 4,641 0.33 tn/sy \$ 52.23 \$/tn 4,476 0.10 gal/sy \$ 1.66 \$/gal 4,476 0.10 gal/sy \$ 1.66 \$/gal 4,476 0.10 tn/sy \$ 58.23 \$/tn \$ 58.23 \$/tn \$ \$ 58.23 \$/tn 50%	4,805 36 lb/sy \$ 165.00 \$/tn 86. 4,805 0.20 gal/sy \$ 1.86 \$/gal 9 4,641 0.10 gal/sy \$ 1.66 \$/gal 4 4,641 0.33 tn/sy \$ 52.23 \$/tn 15 4,476 0.10 gal/sy \$ 1.66 \$/gal 4 4,476 0.10 gal/sy \$ 1.66 \$/gal 4 4,476 0.10 gal/sy \$ 1.66 \$/gal 4 4,476 0.110 tn/sy \$ 58.23 \$/tn 4 50% \$ 58.23 \$/tn \$ Subtotal 50% \$ 58.23 \$/tn \$ \$ 50% \$ 58.23 \$/tn \$ \$ 1 0.033 \$/ft \$ 6,32 1 0.033 \$/ft \$ 6,32 1 0.033 \$/ft \$ 6,32 1 0% \$ \$ \$ 10% Contingency \$ \$ \$ 10% Contingency	4,805 36 lb/sy \$ 165.00 \$/tn 86.50 tn 4,805 0.20 gal/sy \$ 1.86 \$/gal 961 gal 4,641 0.10 gal/sy \$ 1.66 \$/gal 464 gal 4,641 0.33 tn/sy \$ 52.23 \$/tn 1531 tn 4,476 0.10 gal/sy \$ 1.66 \$/gal 448 gal 4,476 0.10 gal/sy \$ 1.66 \$/gal 448 gal 4,476 0.110 tn/sy \$ 58.23 \$/tn 492 tn 50% \$ 58.23 \$/tn 50 tn Subtotal 50% \$ 58.23 \$/tn 50 tn 50% \$ 58.23 \$/tn 50 tn 50% \$ 3,825 \$ 3,825 \$ 3,825 \$ 3,825 1 0.033 \$/ft<\$ 6,320	4,805 36 lb/sy \$ 165.00 \$/tn 86.50 tn 4,805 0.20 gal/sy \$ 1.86 \$/gal 961 gal 4,641 0.10 gal/sy \$ 1.86 \$/gal 464 gal 4,641 0.33 tn/sy \$ 52.23 \$/tn 1531 tn 4,476 0.10 gal/sy \$ 1.66 \$/gal 448 gal 4,476 0.10 gal/sy \$ 1.66 \$/gal 448 gal 4,476 0.110 tn/sy \$ 58.23 \$/tn 492 tn 4,476 0.110 tn/sy \$ 58.23 \$/tn 500 tn 50% Subtotal Subtotal Subtotal Subtotal Subtotal Subtotal 1 0.033 \$/ft \$ 6,320 S State State State 1 0.033 \$/ft \$ 6,320 State State State State 1 State State State State State State State <	4,805 36 lb/sy \$ 165.00 \$/tn 86.50 tn tn 4,805 0.20 gal/sy \$ 186 \$/gal 961 gal gal 4,641 0.10 gal/sy \$ 1.86 \$/gal 464 gal gal 4,641 0.33 tn/sy \$ 52.23 \$/tn 1531 tn tn tn 4,476 0.10 gal/sy \$ 1.66 \$/gal 448 gal gal gal 4,476 0.10 gal/sy \$ 1.66 \$/gal 448 gal gal 4,476 0.110 tn/sy \$ 58.23 \$/tn 492 tn tn 1 1 1 50 tn tn tn tn 1	4,805 36 b/sy \$ 165.00 \$/tn 86.50 tn tn \$ 14,271.84 4,805 0.20 gal/sy \$ 1.86 \$/gal 961 gal gal \$ 14,271.84 4,805 0.20 gal/sy \$ 1.86 \$/gal 961 gal gal \$ 14,271.84 4,641 0.10 gal/sy \$ 1.66 \$/gal 464 gal gal \$ 770.39 4,641 0.33 tn/sy \$ 52.23 \$/tn 1531 tn tn \$ 79,989.90 4,476 0.10 gal/sy \$ 1.66 \$/gal 448 gal gal \$ 773.39 4,476 0.110 tn/sy \$ 58.23 \$/tn 492 tn tn \$ 28,672.97 1 \$ 58.23 \$/tn 500 tn \$ 28,672.97 tn \$ 28,672.97 1 \$ 58.23 \$/tn 500 tn \$ 29,911.50 \$ 129,147 1 \$ 58.23 \$/tn \$ 50 \$ 1,912.50 \$ 1,912.50 \$ 1,912.50 1 \$ 0.033

Comments:

City will pay for all traffic control cost associated with this project.

City will adjust all utilities and manholes/valves for this project.

City will provide a nearby disposal area for spoils .

City will provide a hydrant meter and all water for this project.

City will provide material for backfilling edges.

Estimated Cost to Mill the project (4,805*\$3.75 /sy + \$200 = \$18,218)

Prepared by: Richard Schiller Tarrant County - Precinct Three 778a3fb7-6a7e-4af6-bcba-760764d6012c.xlsx

Liberty Way (City of Fort Worth)

12/22/2016

Activity	Quantitiy	Rate		Days	\$ Fue	el / Day	Fu	el Cost
Locate Utilities				1	\$	100	\$	100
Mix Cement	86	30	tn/day	3	\$	325	\$	975
Tight Blade	4,805	3,500	sy/day	2	\$	200	\$	400
Lay Binder	1,531	500	tn/day	4	\$	300	\$	1,200
Lay Surface	448	500	tn/day	2	\$	300	\$	600
Backfill Edges	2,960	2,500	lf/day	2	\$	200	\$	400
Clean Up				1		\$150	\$	150
				15			\$	3,825