Deaver Drive

(City of North Richland Hills)

Limits: College Circle to Susan Lee Lane

Existing Condition: Curb & gutter section. Pavement is severely cracked and has large scale alligator cracking indicating wide spread base failure.

Numerous base repairs and uitilty patching present. Pavement is distorted and some areas of curb hold water. Asphalt appears to

be dry and oxidized. Very rough.

Scope Of Work: City will remove existing pavement 6 inches deep. County will reclaim and recycle exposed subgrade 8 inches deep. County will

place 4 inches of Ty B HMAC Binder and 2 inches Ty D HMAC Surface.

Project Size: City

Roadway Length = 1197 If

Roadway Width = 27 ft between in curb & gutter.

Stabilization Area (27 ft x 1197 lf)/9) =3,591 sy Pavement Area (27 ft x 1197 lf)/9) =3,591 sy

Estimate:												
Roadway Materials:												
	Square Yard	Rate/SY		C	Cost		Estimate		Final		\$ Estimate	\$ Fina
Stabilization (8")	3,591		lbs/sy	\$ 1	65.00		57.5			tn	\$ 9,480.24	
Prime	3,591		gal/sy	\$	1.86		538.7			gal	\$ 1,001.89	
Tack	3,591	0.20	gal/sy	\$	1.66	\$/gal	718.2			gal	\$ 1,192.21	
HMAC Binder (4")	3,591	0.22	tn/sy	\$	52.23	\$/tn	790.0	tn		tn	\$ 41,262.74	
HMAC Surface (2")	3,591	0.11	tn/sy	\$	58.23	\$/tn	395.0	tn		tn	\$ 23,001.43	
							Subtotal				\$ 75,938.52	
Misc Cost												
Milling											City	
Tabs				\$	0.50		-	ea			\$ -	
ID Locators				\$	3.95		10	ea			\$ 39.50	
Fuel (50%)							2,200	ls			\$ 1,100.00	
Striping				\$	0.033		-	lf			\$ -	
		Materials +	· Misc Co	ost							\$ 77,078.02	
		10% Conti									\$ 7,707.80	
Total:			J - 7								\$ 84,785.82	

Construction Time Estimate: 10 Working Days

Comments: City of North Richland Hills to provide all water and a hydrant meter for this project

City of North Richland Hills to adjust all utilities and manholes/valves for this project

City of North Richland Hills responsible for all traffic control required to construct project.

Stabilization is estimated based on a clayey sand using 4.5% Cemlime.

Asphalt Base estimated to be placed in one 4 inch lift.

City of North Richland Hills to provide milling and haul off of 6" inches of material. (Estimated Cost = \$10,434)

Prepared by: Richard Schiller

<u>Deaver Drive</u> (City of North Richland Hills)

12/22/2016

					\$ F	uel /		
Activity	Quantitiy	Rate		Days	Day		Fuel Cost	
Locate Utilities				1	\$	100	\$	100
Stabilization	57	30	tn/day	2	\$	325	\$	650
Tight Blade	3,591	3,500	sy/day	2	\$	175	\$	350
Lay Binder	790	500	tn/day	2	\$	250	\$	500
Lay Surface	395	500	tn/day	2	\$	250	\$	500
Clean Up				1	\$	100	\$	100
								·
				10			\$	2,200