

Recommendation #:

9

Calculations:

Component	Unit	EA	Beg Sta	End Sta	Length	Width	Depth	Area	Volume
Milling								SY	
Mill Mainline	SY		95700	99000	3300'	48'		17,600	
Asphalt								SY	TNS
SF9.5c	TN		95700	99000	3300'	39'	3"	28,600	4,805
I19C (inside shoulder)	TN		95700	99000	3300'		4"	3,789	864
I19C (outside shoulder)	TN		95700	99000	3300'		4"	7,942	1,811
B25C (inside shoulder)	TN		95700	99000	3300'		8"	4,400	2,006
B25C (outside shoulder)	TN		95700	99000	3300'		8"	8,433	3,846
Asphalt binder (fr NCDOT spreadsheet)	TNS								670
Earthwork									
Unclassified Excavation (inside shoulder)	CY		95700	99000	3300'		15"		1,895
Unclassified Excavation (outside shoulder)	CY		95700	99000	3300'		15"		3,971

Cost Estimate

Component	Unit	\$/Unit	Original		Recommendation	
			Quantity	Total	Quantity	Total
Milling						
Mill Mainline	SY	\$1.63	17,600	\$28,688		\$0
Asphalt						
SF9.5c	TN	\$55	4,805	\$264,264		\$0
I19C (inside shoulder)	TN	\$50	864	\$43,196		\$0
I19C (outside shoulder)	TN	\$50	1,811	\$90,539		\$0
B25C (inside shoulder)	TN	\$60	2,006	\$120,384		\$0
B25C (outside shoulder)	TN	\$60	3,846	\$230,736		\$0
Asphalt Binder	TN	\$550	670	\$368,500		\$0
Earthwork						
Unclassified Excavation (inside shoulder)	CY	\$10.50	1,895	\$19,893		\$0
Unclassified Excavation (outside shoulder)	CY	\$10.50	3,971	\$41,696		\$0
Roadway Subtotal				\$1,207,895		\$0
25% Roadway Mark-up				\$301,974		\$0
Roadway Total				\$1,509,869		\$0

Sketch

Proposed Change: shift project limits to end at Sta 957+00

