

INFORMATION HANDOUT

MATERIALS INFORMATION

SUMMARY OF EXISTING PAVEMENT INVESTIGATIONS

Summary of Existing Pavement Investigations

Due to State budget issues resulting in the lack of funding coring tests were not conducted on Sis-161 between PM 4.5 and PM 7.0. However coring tests were conducted for an identical project (EA 02-0E9901) constructed in the summer of 2009 on Sis-161 between PM 7.0 and PM 9.0. The Office of Construction reported no issues during the construction of EA 02-09901. All as-builts dating back to the original construction in 1956 indicate that the structural section should not deviate significantly between PM 4.5 and PM 9.0. Digouts performed by Maintenance within the same PM limits also indicate that the structural section should not deviate significantly.

Investigations carried out on the existing road, Sis-161-PM 7.0/9.0 indicate that these materials are suitable for pulverization. Coring tests conducted on subject roadbeds indicate that the engineering properties of these materials may be improved to provide sufficient strength required to extend the life of this pavement for 10 years by pulverizing the existing AC to full depth, adding a 1.5 percent cement mixture to the pulverized AC and capping with 0.25' of hot mix asphalt.

The general structural section, from the bottom up, is fill material, road mix material, and asphalt concrete. Cores indicated that the depth of asphalt concrete ranged from 0.25' to 0.75'. The cores showed the pavement thickness to be the thinnest observed, in the middle of the eastbound lane at PM 8.5.

The existing AC appears to be distressed.

Any reliance placed by the Contractor on this information shall be at their own risk and they shall undertake their own separate testing program to determine the materials present and conditions prevailing at the time of construction.

SIS - 161 CORE AC DEPTHS			
PM	Sample Location	AC Depth	Notes
7.0	EB - Out	0.30	
	EB - Mid	0.30	
	WB - Out	0.35	
7.5	EB - Out	0.20	
	EB - Mid	0.30	
	WB - Out	0.35	
8.0	EB - Out	0.35	
	EB - Mid	0.30	
	WB - Out	0.40	
8.5	EB - Out	0.30	
	EB - Mid	0.25	
	WB - Out	0.30	
9.0	EB - Out	0.35	Super-elevation
	EB - Mid	0.75	
	WB - Out	0.50	
8.17	WB - Out	0.50	Grader blanket
Note: The depths shown above do NOT include depth of "road mix" (underlying pavement material)			