

CSVT SOUTHERN SECTION

ASH BASIN AVOIDANCE ALTERNATIVES

ENGINEERING CHARACTERISTICS COMPARISON

	WESTERN ALTERNATIVE	CENTRAL ALTERNATIVE	EASTERN ALTERNATIVE
EARTHWORK CUT FILL	2.21M CY 2.55M CY	1.91M CY 2.07M CY	1.88M CY 2.13M CY
ROADWAY LENGTH MAINLINE ¹ RAMPS AND SIDE ROADS	21,509 LF 16,845 LF	19,553 LF 15,152 LF	19,798 LF 16,669 LF
BRIDGE AREA	91K SF	191K SF	145K SF
ASH BASIN FOCUS AREA CONSTRUCTION COST	\$110M	\$127M	\$119M
UTILITY RELOCATION UGI GAS LINE PPL ELECTRIC TRANSMISSION LINE	350 LF 4,990 LF	350 LF 10,800 LF	3,500 LF 3,230 LF
ASH BASIN FOCUS AREA TOTAL COST ²	\$118M	\$139M	\$131M
PA 61 CONNECTOR USAGE VS. ORIGINAL DESIGN	30% less traffic removed from existing road network	10% more traffic removed from existing road network	30% more traffic removed from existing road network
GEOTECHNICAL CONSIDERATIONS	 Potential for acid rock Steepened slope below Northern Ash Basin dam Blasting restrictions needed near ash dams 	 Steepened slope below Northern Ash Basin dam Blasting restrictions needed near ash dams 	 Steepened slope below Northern Ash Basin dam Realigned spillway channel below Northern Ash Basin dam Blasting restrictions needed near ash dams

NOTES:

- 1. Mainline includes CSVT and PA 61 Connector.
- 2. Total Cost = Construction Cost + Right-of-way Cost + Utility Relocation Cost.

ABBREVIATIONS:

M - million

K - thousand

CY - cubic yards

LF - lineal feet

SF - square feet



