

**CSVT SOUTHERN SECTION**  
**ASH BASIN AVOIDANCE ALTERNATIVES**  
**ENGINEERING CHARACTERISTICS COMPARISON**

	<b>WESTERN ALTERNATIVE</b>	<b>CENTRAL ALTERNATIVE</b>	<b>EASTERN ALTERNATIVE</b>
<b><u>EARTHWORK</u></b>			
<b>CUT</b>	3.93M CY	3.95M CY	3.78M CY
<b>FILL</b>	4.06M CY	3.98M CY	3.91M CY
<b>NET</b>	0.13M CY Borrow	0.03M CY Borrow	0.13M CY Borrow
<b>ACID ROCK VOLUME</b>	0.34M CY	0.34M CY	0.34M CY
<b><u>ROADWAY LENGTH</u></b>			
<b>MAINLINE<sup>1</sup></b>	7.3 MI	7.0 MI	7.0 MI
<b>RAMPS AND SIDE ROADS</b>	3.3 MI	2.9 MI	3.4 MI
<b>WEAVE LENGTH<sup>2</sup></b> <i>300' Min/ 2,000' Recommended</i>			
<b>NORTHBOUND PA 61</b>	5,100 LF	2,900 LF	1,290 LF
<b>SOUTHBOUND PA 61</b>	6,000 LF	2,700 LF	850 LF
<b>BRIDGE AREA</b>	197K SF	289K SF	231K SF
<b>UGI GAS LINE RELOCATION<sup>3</sup></b>	0 MI	0 MI	0.8 MI
<b>PPL ELECTRIC TRANSMISSION LINE RELOCATION<sup>3</sup></b>	0.5 MI	1.4 MI	0.9 MI

**NOTES:**

Values are totals for entire Southern Section (end to end)

1. Mainline includes CSVT and PA 61 Connector.

2. Weave length represents distance along PA 61 Connector between CSVT and US 11/15 Interchange.

3. Measured within Ash Basin Focus Area only.

**ABBREVIATIONS**

CY— Cubic Yards	MI — Miles
LF— Linear Feet	M—Million
SF— Square Feet	K—Thousand