

Appendix D

2017 Re-evaluation of Kerens to Parsons Project
Refined Selected Alternative, Sections 2 and 3
Impacts by Section

Resource / Design Element		Section 2 Refined Selected Alternative	Section 3 Refined Selected Alternative	Sections 2 & 3 TOTAL Refined Selected Alternative
	Length (miles)	3.68	4.28	7.96
	Construction Cost (million \$) ¹	\$136	\$304	\$440
	Excavation (million cubic yards)	10.131	8.270	18.4
	Excess Excavation (million cubic yards)	1.095	-0.735	0.36
	Floodplain (acres) ²	0	0	0
	Potential 4(f) Impacts	No	No	No
	Footprint (acres) (including connectors, excluding area under bridges)	257.2 (6.3 of which is waste area)	225.3	482.5 (6.3 of which is waste area)
MNF	MNF (Public Lands) (acres)	142.4	12.4	156.1
	MPA 3.0 (acres)	50.0	12.4	62.5
	MPA 6.1 (acres)	92.4	0.02	93.6 (6.3 of which is waste area)
	Major Trail Crossings – total # (bridged #)	0	0	0
	Trail Realignment – total # (length in feet)	1 (400)	0	1 (400)
Land Cover	Forest Cover (acres)	238.1 (6.3 of which is waste area)	200.4	438.5 (6.3 of which is waste area)
	Agricultural Cover (acres)	0.4	8.8	9.2
	Grassland Cover (acres)	0.5	5.0	5.5
	Developed, Open Space (acres)	18.2	11.1	29.3
Relocations	Residential Buildings	5	7 (1 of which includes 6 apartments)	12 (1 of which includes 6 apartments)
	Commercial Buildings	0	0	0

Resource / Design Element		Section 2 Refined Selected Alternative	Section 3 Refined Selected Alternative	Sections 2 & 3 TOTAL Refined Selected Alternative
	Community Facilities/Parks	0	0	0
Bridges & Waters of the U.S. ³	# Bridges	3	2	5
	Length of Bridges (feet)	Goodwin Run: 1,020 ft Smokey Hollow: 1,300 ft (No Sugarcamp Run bridge) WV 72: 460 ft	Cheat River: 3,300 ft Roaring Run: 1,740 ft	Total: 7,820 ft
	Wetlands (acres)	0.32	6.76	7.08
	Streams (feet) (including ephemeral streams)	18,571	13,373	31,944

¹ The costs are based on WVDOT's most recent financial plan for the project: Corridor H Initial Financial Plan for Operationally Independent Section Two (Kerens to Parsons), submitted to FHWA on January 27, 2017. The estimates include the costs of right-of-way, risk, and aspects of the mitigation for impacts to Waters of the U.S..

² Floodplain area does not include the area of the Cheat River bridge piers. The SFEIS did not report a value for this unknown precise impact, and the Refined Selected Alternative has not changed this aspect of the design.

³ Wetland and stream impacts are based on 2015 and 2017 field delineations of the Sections 2 and 3 project area and include ephemeral streams.