

ALTERNATIVE ANALYSIS MATRIX

OPTION #	WORK DESCRIPTION	COST ESTIMATE	CONSTRUCTION SCHEDULE LENGTH
1	Both Existing Bridges Removed New Bridges on Existing Alignment Full Accelerated Bridge Construction (ABC) Full Road Closure (one bridge at a time) Bridges are side by side box girders with concrete overlay	\$6,764,000	Total Construction Time: 8 Months (existing bridges will removed but won't be reused) Full Road Closure Period Per Bridge: 3 weeks (bridges will not be closed simultaneously)
2	Both Existing Bridges Removed New Bridges on Existing Alignment NO Accelerated Bridge Construction (ABC) Diversion Construction and Open to One Lane of Traffic Bridges are Bulb Tee with Cast In Place Concrete Deck	\$5,129,000	Total Construction Time: 9 months
3	Bridge #1521 Removed Bridge #1520 Remains in Place Bridge #1521 on Existing Alignment Bridge #1520 on New Alignment NO Accelerated Bridge Construction (ABC) Bridge #1521 - Diversion Construction and Open to One Lane of Traffic Bridge #1520 - Uses Existing Bridge as Diversion for One Lane of Traffic Bridges are Bulb Tee with Cast In Place Concrete Deck	\$6,617,000	Total Construction Time: 12 months
4	No Action	\$0	Not Applicable

Notes:

- (1) Diversion for Bridge #1521 - Abutment Construction & Temporary Bridge Rental
- (2) Diversion for Bridge #1520 - Abutment Construction & Temporary Bridge Rental
- (3) Cost Estimates are for 2017 and include 10% Contingency