

	Benesch	CEI		Snyder Eng		Barge	
Removal of Bridge	\$30,000.00	\$15,000.00		\$5,000.00		\$93,000.00	Design, environmental, hydraulics, geotech
Granular backfill	\$14,000.00	\$11,200.00		\$7,875.00		\$151,000.00	Demo and bridge construction
Class A Concrete for Bridge	\$78,750.00	\$102,850.00		\$72,250.00		\$75,000.00	
Steel Bar Reinforcement	\$28,750.00	\$50,250.00		\$19,250.00			
Metal Beam guard rail	\$6,125.00	\$10,625.00		\$4,875.00			
single guard rail	\$1,500.00	\$2,700.00	Type 2 Rail	\$525.00	Type 2 rail		
guardrail terminal	\$14,000.00	\$10,400.00	type 21 anchors	\$9,600.00	type 21 anchors		
earth pad for guard rail end treatment	\$4,800.00						
machined rip rap	\$12,500.00	\$5,400.00	Class A1	\$7,425.00			
temporary silt fence w/out backing	\$1,600.00	\$1,500.00					
sediment removal	\$476.00						
check dams		\$2,400.00					
sand bags	\$2,500.00	\$1,200.00					
temporary sediment bag	\$2,000.00	\$800.00		\$600.00			
temporary filter barrier				\$2,000.00			
polyethylene sheeting	\$1,000.00						
temporary stream diversion	\$12,000.00			\$3,000.00			
construction signs				\$750.00			
traffic control	\$10,000.00	\$9,000.00					
clearing and grubbing	\$7,500.00	\$15,000.00		\$4,000.00			
road drainage excavation	\$10,000.00			\$2,250.00			
borrow excavation	\$12,500.00			\$5,000.00			
placing and spreading topsoil	\$750.00			\$3,000.00			
Atype A aggregate Grading D	\$7,500.00						
Mineral Aggregate Base				\$7,500.00			
Seeding with mulch	\$1,000.00	\$3,800.00		\$2,000.00			
Asphalt Mix	\$9,000.00			\$11,400.00			
Asphalt surface				\$7,125.00			
Tack coat and prime coat				\$254.25			
Bituminous material for prime coat	\$2,000.00						
aggregate for cover material	\$1,250.00						
bituminous material for tack coat	\$800.00						
pavement markings	\$800.00						
ACS mix grading D	\$7,500.00						
abestos report and removal				\$7,500.00			
Type III Barricade				\$600.00			
geotechnical investigation				\$4,000.00			
road approach construction		\$118,000.00					
mobilization		\$15,000.00					
	\$280,601.00	\$375,125.00		\$187,779.25		\$319,000.00	

Engineering fees	\$54,600.00	\$45,000.00		\$28,166.89
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Percentage - 15% maximum	\$42,090.15	\$56,268.75		\$28,166.88
Over/Under/Exact	\$12,509.85	-\$11,268.75		\$0.00

FEMA modeling may increase the overall cost