

ALTERNATIVES COMPARISON MATRIX

AUTOMOTIVE SERVICE	Alternative Name	Description	Meets Purpose and Need	Right- of-Way Impact	Required Ongoing Maintenance	Construction Impact	Construction Duration (Years)	Requires Lane Closures	Visual Impact	Ecological Impact	Open Space/ Recreation Impact	Anticipated Construction Cost
0	Mass Excavation	Loose rocks, cobbles and debris collected, boulders broken up and scaled	Yes	Yes	Moderate	High	5-10	Yes	High	Moderate	High	\$150 Million
2	Temporary Right-of-Way Impacts	Rockfall source areas are temporarily mitigated on National Park Service lands without using permanent rock stabilization techniques	Yes	Yes	Low	Moderate	4-5	Yes	High	Moderate	Moderate	\$38 Million
3	Permanent Right-of-Way Impacts	Rockfall source areas are permanently mitigated and safely secured on National Park Service lands	Yes	Yes	Moderate	High	4-5	Yes	High	Moderate	High	\$60 Million
4	Double Fence	Construct double fence along portion of highway	Yes	No	Moderate	Low	4-5	Yes	Moderate	Low	Low	\$37 Million
5	Rockfall Berm	Construct large rockfall barrier along portion of highway	Yes	No	Low	Low	4-5	Yes	Moderate	Low	Low	\$47 Million
6	Retaining Wall	Construct large wall along portion of highway	Yes	No	Moderate	Low	4-5	Yes	Moderate	Low	Low	\$39 Million
7	Rockfall Shed over Highway	Construct structural shed over all 4 lanes of Route 80	Yes	Yes	Low	High	5-10	Yes	High	Moderate	Moderate	\$200 Million





MASS EXCAVATION









TEMPORARY RIGHT-OF-WAY IMPACTS







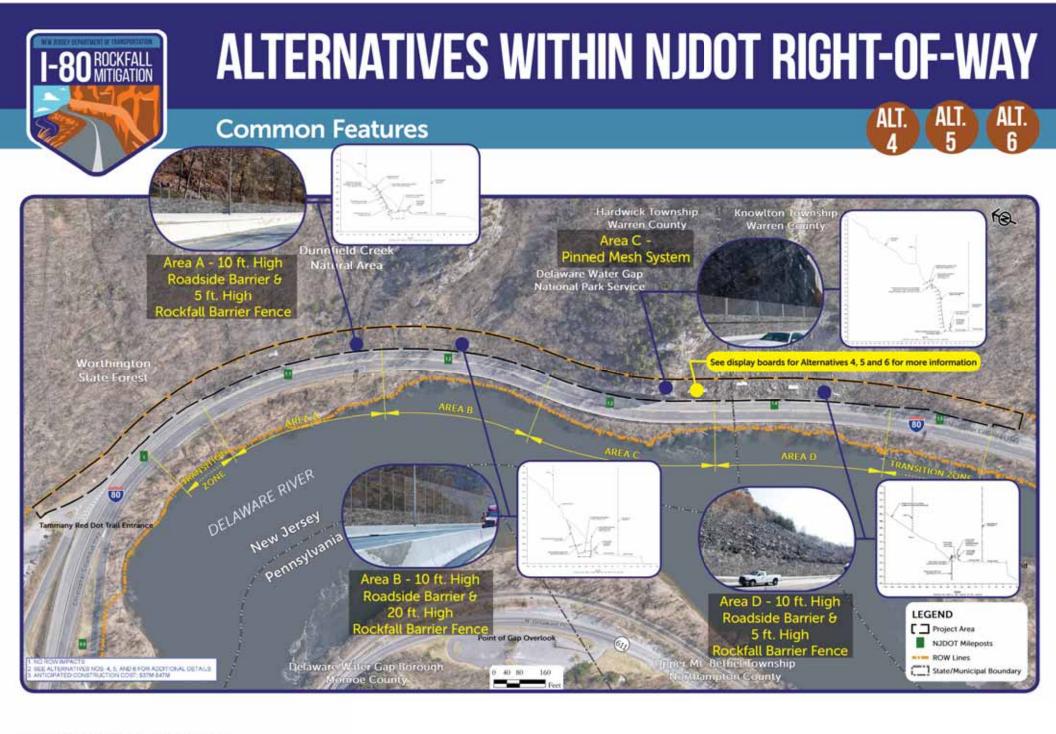


PERMANENT RIGHT-OF-WAY IMPACTS







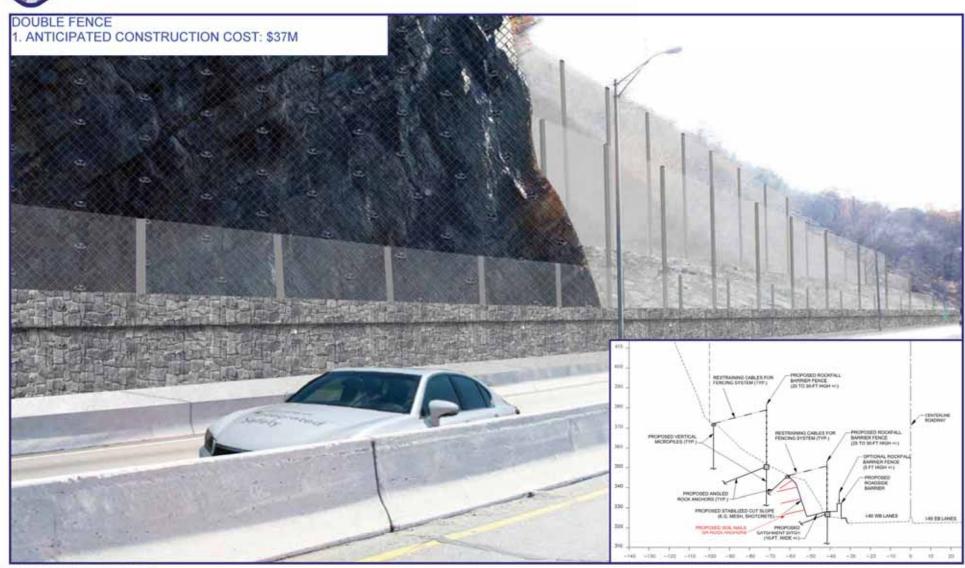






DOUBLE FENCE



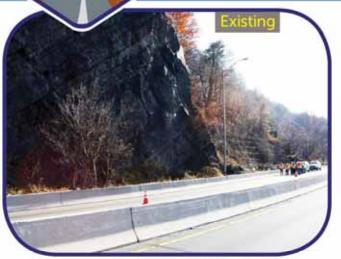




I-80 ROCKFALL MITIGATION

DOUBLE FENCE VIEWS





Area C and D Looking East



Vista - Looking Across from Pennsylvania



Area C and D Looking West



Area C and D Looking East



Vista - Looking Across from Pennsylvania



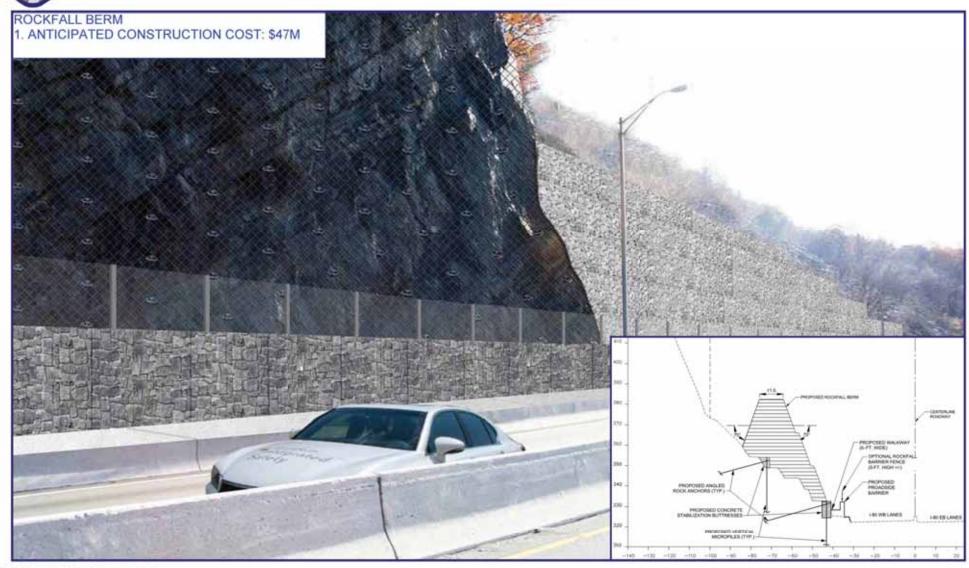
Area C and D Looking West





ROCKFALL BERM







I-80 ROCKFALL MITIGATION

ROCKFALL BERM VIEWS





Area C and D Looking East



Vista - Looking Across from Pennsylvania



Area C and D Looking West



Area C and D Looking East



Vista - Looking Across from Pennsylvania



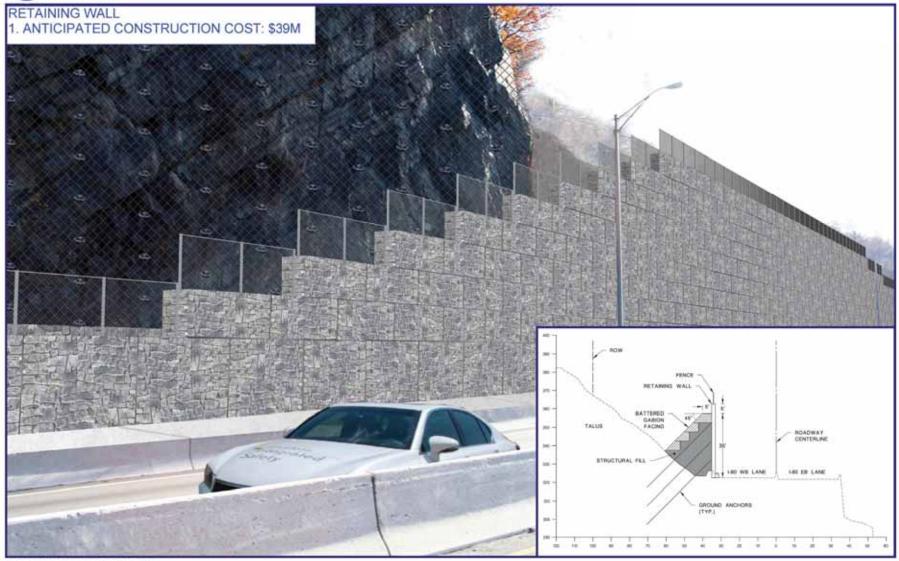
Area C and D Looking West





RETAINING WALL







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RETAINING WALL VIEWS





Area C and D Looking East



Vista - Looking Across from Pennsylvania



Area C and D Looking West



Area C and D Looking East



Vista - Looking Across from Pennsylvania



Area C and D Looking West





ROCKFALL SHED OVER HIGHWAY





