



# Ross Mountain Park Road Bridge



Context Sensitive Solutions in a Scenic  
and Historic Location

October 26, 2010

# Project Information

- PA Department of Transportation - District 12-0
- S.R. 1007 over Tubmill Creek – Westmoreland County, PA
- Existing structure: Single Span – Steel I-beam – 28'-0" long
- Clear Roadway Width: 17'-0"





# Project Setting

- Located in the Laurel Valley, SW Pennsylvania
- Project is surrounded by Ross Mountain Club & Park - 1886
- Tubmill Creek - Exceptional Value by PAFBC
- Tubmill Reservoir



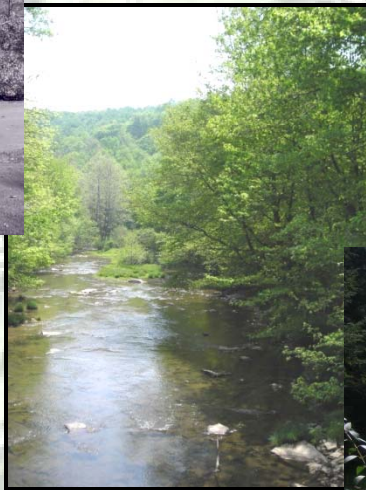
# History

- 1,300 Acre Historic Private Summer Resort
- Historic District is 65 Acres
- 22 Buildings dating between 1887 and 1941
- Ross Furnace – 1815
- 14 Hole Private Golf Course

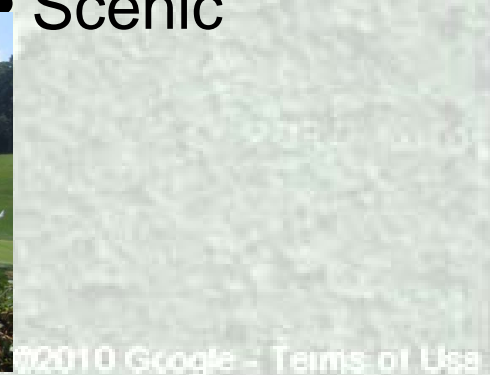




# Context



- Aesthetic
- Community Input
- Cultural
- Environmental
- Historic
- Recreational
- Scenic



# Transportation – Design Aspects

- Replacement Structure: Single Span, Composite Prestressed Concrete Adjacent Plank Beam – 27'-0" long
- Clear Roadway Width: 22'-0"





# Transportation – Context Sensitive Solutions

In coordination with the Ross Mountain Club Board of Directors

- Context Sensitive Design Solutions:

- Weathering Steel Guiderail
- Concrete Stain
- Concrete form liner



# Outcomes



- Improved Roadway Safety
- Harmony with Surrounding Settings
- Ross Mountain Club Satisfaction
- Expectations met with limited cost –
  - Approximately \$18,000 of \$700,000
  - 2.5% increase in overall costs





**Questions?**



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