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HISTORIC AMERICAN ENGINEERING RECORD

Index to Photographs

Smithton Bridge  
Spanning the Youghiogheny River  
on State Road 981  
Smithton  
Westmoreland County  
Pennsylvania

HAER No. PA-97

NOTE: Photographs 2, 3, 4, 5, 10, and 14, were taken by Leight Johnson, photographer in December 1985

Photographs 1, 6, 7, 8, 9, 11, 12, and 13 were taken by Robert C. Shelley in February 1986

- PA-97-1 VIEW, LOOKING NORTH, SHOWING SOUTH ELEVATION
- PA-97-2 VIEW, LOOKING EAST, SHOWING EAST PORTAL
- PA-97-3 PORTAL VIEW OF THIRD SPAN OF CANTILEVER TRUSS, LOOKING WEST
- PA-97-4 VIEW, LOOKING SOUTHEAST, SHOWING RIVER PIERS AND DECK STRUCTURE
- PA-97-5 VIEW, LOOKING NORTHEAST, SHOWING PIERS AND CANTILEVER LOWER CHORD
- PA-97-6 VIEW OF MASONRY ABUTMENT, LOWER BRIDGE STRUCTURE, AND BEARING
- PA-97-7 DETAIL VIEW OF BEARING AT EAST ABUTMENT
- PA-97-8 DETAIL VIEW OF TYPICAL LOWER JOINT, SHOWING LOWER CHORD, VERTICAL, AND DIAGONAL CONNECTION
- PA-97-9 DETAIL VIEW OF LOWER JOINT VIEWED FROM UNDER DECK, SHOWING FLOOR BEAMS AND LATERAL BRACING
- PA-97-10 DETAIL VIEW OF CANTILEVER TOWER FROM RIVER BANK
- PA-97-11 DETAIL VIEW OF CANTILEVER TOWER FROM BRIDGE DECK
- PA-97-12 DETAIL VIEW OF UPPER JOINTS AND BRACING
- PA-97-13 DETAIL VIEW OF UPPER JOINT
- PA-97-14 DETAIL VIEW OF EAST PORTAL, SHOWING BRIDGEPLATE

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- PA-97-15 Photocopy of sketch, 1899, LOCATION OF PROPOSED BRIDGE AND EXISTING FORD. (Original in possession of Westmoreland County Courthouse, Road Dock 1889-1899.)
- PA-97-16 Photocopy of bridge sketch, 1915, ELEVATION AND PLAN, NOTES FOR ALTERATIONS. (Original in possession of Westmoreland County Courthouse, Bridge Record, Westmoreland County.)
- PA-97-17 Photocopy of postcard (from Smithton resident), circa 1925, VIEW, LOOKING SOUTH, SHOWING TOWN AND BRIDGE ELEVATION
- PA-97-18 Photocopy of postcard (from Smithton resident), circa 1936, VIEW, LOOKING SOUTH, SHOWING TOWN AND BRIDGE ELEVATION

The following are photocopies of original drawings made in 1935 by the Department of Roads and Bridges, Westmoreland County. Original drawings are in the possession of the Pennsylvania Department of Transportation, Harrisburg, Pennsylvania.

- PA-97-19 OVERALL ELEVATION AND PLAN, Sheet 1 of 6
- PA-97-20 STRESS SHEET FOR ANCHOR AND CANTILEVER SPANS, Sheet 2 of 6
- PA-97-21 STRESS SHEET FOR ANCHOR AND CANTILEVER SPANS, Sheet 3 of 6
- PA-97-22 STRESS SHEET FOR SUSPENDED SPAN, Sheet 4 of 6
- PA-97-23 ELEVATION, PLAN, TYPICAL SECTIONS THROUGH DECK, MEMBER CONSTRUCTION, Sheet 5 of 6
- PA-97-24 MISCELLANEOUS DETAILS, Sheet 6 of 6