

**STRUCTURE INVENTORY AND APPRAISAL**  
**PYRITE MINE BRIDGE**

**STRUCTURE NO. 3700-005S**  
**INSPECTION DATE: 3/2/15**

**STRUCTURE IDENTIFICATION**

- (201) PARK: PRINCE WILLIAM FOREST PARK
- (202) STRUCTURE NAME: ..... PYRITE MINE BRIDGE
- (203) STRUCTURE KIND: ..... 1 - BRIDGE
- (204) STRUCTURE NUMBER: ..... 3700-005S
- (205) NPS REGION: ..... 2 - NATIONAL CAPITAL
- (206) ROUTE CODE NUMBER: ... 406
- (207) ROAD SECTION NO: ..... 005S
- (208) NPS ROAD CLASS: ..... 6 - RESTRICTED
- (209) WITHIN NPS BNDRY?: ..... YES
- (210) OPERATING UNIT: ..... PARK
- (211) PROJECT NO(S): .....10(1)
- (212) DRAWING NUMBERS: ..... NONE
- (21) MAINTAINED BY: ..... 66 - NATIONAL PARK SERVICE
- (22) OWNER: ..... 66 - NATIONAL PARK SERVICE
- (1) STATE: ..... 513 - VIRGINIA (VA)
- (2) STATE HWY. AGENCY DIST:.....9
- (3) COUNTY CODE: ..... 153 - PRINCE WILLIAM
- (4) CITY/PLACE CODE: .....
- (5) INVENTORY ROUTE: ..... 161004060
- (6) FEATURES INTERSECTED:..... QUANTICO CREEK
- (7) FACILITY CARRIED: ..... PYRITE MINE ROAD
- (8) STATE STRUCTURE NO: ..... 3700005S0000000
- (9) LOCATION: ..... I-95 to Exit 150 (VA Rout
- (10) INV. RTE. - MIN. VERT. CLR: .. 99.99 FT (99.99 M)
- (11) MILE POINT: .....1.10 (KM PT 1.77)
- (27) YEAR BUILT: ..... 1930
- (106) YEAR RECONSTRUCTED: .... 1995
- (20) TOLL: .....3 - FREE ROAD
- (37) HISTORICAL DESIGNATION: .. 5 - NOT ELIGIBLE

**STRUCTURE DESCRIPTION, FOUNDATION, AND DECK TYPE**

- (43A) MAIN STR. MATERIAL: .. 3 - STEEL
- (43B) MAIN STR. TYPE: ..... 10 - TRUSS - THRU
- (45) NO. OF MAIN SPANS: ..... 1
- (48) MAX. SPAN LENGTH: ..... 53.0 FT (16.2 M)
- (49) STRUCTURE LENGTH: .... 53.0 FT (16.2 M)
- (216A) ABUTMENT #1 FDN: .... 0 - UNKNOWN
- (216B) ABUTMENT #2 FDN: .... 0 - UNKNOWN
- (217A) PREDOM. PIER FDN.: .. 6 - N/A
- (217B) SECOND. PIER FDN: ... 6 - N/A
- (107) DECK TYPE: ..... 8 - WOOD OR TIMBER
- (44A) APPR. STR. MATERIAL: ..... 0 - OTHER
- (44B) APPR. STR. TYPE: ..... 00 - OTHER
- (46) NO. OF APPROACH SPANS: .. 0
- (108) WEAR SURFACE/PROTECT SYSTEM:
  - A) TYPE WEARING SURFACE: .. 9 - OTHER
  - B) TYPE MEMBRANE: ..... 0 - NONE
  - C) TYPE PROTECTION: ..... 0 - NONE
- (218) IS SALT USED?: ..... NO

**LOAD RATING AND POSTING**

- (31) DESIGN LOAD: ..... 0 - UNKNOWN
- (66) INVENTORY RATING: ..... 9.6 TONS (8.7 METRIC TONS)
- (64) OPERATING RATING: ..... 16.0 TONS (14.5 METRIC TONS)
- (41) LOAD RESTRICTION: ..... K - BRIDGE CLOSED
- (70) BRIDGE POSTING: ..... 0 - POSTING REQUIRED

**INSPECTION DATES**

- (90) INSPECTION DATE: 3/15
- (91) FREQ. OF INSP: 24 MONTHS
- (92 / 93) CRITICAL FEATURE INSPECTION (CFI):
  - (A) FRACTURE CRITICAL: ... YES
  - INSP. EVERY: 24 MONTHS - LAST INSP. : 3/15
  - (B) UNDERWATER: ..... NO
  - INSP. EVERY: MONTHS - LAST INSP. :
  - (C) SPECIAL INSPECTION: .. NO
  - INSP. EVERY: MONTHS - LAST INSP. :
- (219) ADD. STUDIES NEEDED: N - 0 - NONE
- (220) SPECIAL STUDY TYPE: 0 - NONE
- (221) SPECIAL STUDY DATE:

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**GEOMETRY, TRAFFIC, AND NAVIGATIONAL DATA**

- |   |   |
|---|---|
| (16) LATITUDE: ..... 38°34'37.10"                               | (51) CURB TO CURB WIDTH: ..... 11.3 FT (3.4 M)      |
| (17) LONGITUDE: ..... 77°20 80.50"                              | (52) DECK WIDTH: ..... 12.0 FT (3.7 M)              |
| (19) DETOUR LENGTH: ..... 10 MI (16 KM)                         | (32) APPR. ROADWAY WIDTH: ..... 12.0 FT (3.7 M)     |
| (28A) LANES ON STRUCT: ..... 01                                 | (213) APPR. PAVEMENT WIDTH: ..... 12.0 FT (3.7 M)   |
| (28B) LANES UNDER STRUCT: ... 00                                | LEFT SHOULDER: ..... 0.0 FT (0.0 M)                 |
| (42A) SERVICE ON: ..... 1 - HIGHWAY                             | RIGHT SHOULDER: ..... 0.0 FT (0.0 M)                |
| (42B) SERVICE UNDER: ..... 5 - WATERWAY                         | (33) BRIDGE MEDIAN: ..... 0 - NO MEDIAN             |
| (29) AVG. DAILY TRAFFIC: ..... 10                               | (34) SKEW ANGLE: ..... 0 °                          |
| (30) YEAR OF ADT: ..... 2007                                    | (35) DECK FLARE?: ..... NO                          |
| (114) FUTURE ADT: ..... 11                                      | (47) TOTAL HORIZ. CLEARANCE: .... 11.3 FT (3.4 M)   |
| (115) YEAR OF FUTURE ADT: ..... 2027                            | (50) SIDEWALKS:                                     |
| (101) PARALLEL STRUCTURE: ... N - NONE                          | LEFT : ..... 0.0 FT (0.0 M)                         |
| (38) NAVIGATION CONTROL?: ... 0                                 | RIGHT : ..... 0.0 FT (0.0 M)                        |
| (39) VERTICAL CLEARANCE: ..... 0.0 FT (0.0 M)                   | (214) BRIDGE RAIL TYPE:                             |
| (40) HORIZ. CLEARANCE: ..... 0.0 FT (0.0 M)                     | RAIL CONFIGURATION: ..... 0 - N/A                   |
| (111) ABUT. OR PIER PROT: ..... 1 - NAV PROTECTION NOT REQUIRED | MATERIAL: ..... 0 - N/A                             |
| LATERAL UNDERCLEARANCE:   | DESIGN TYPE: ..... 0 - N/A                          |
| (55) RIGHT: ..... 0.0 FT (0.0 M)                                | (215) BRIDGE RAIL HEIGHT: ..... 3.00 FT (0.91 M)    |
| (56) LEFT: ..... 0.0 FT (0.0 M)                                 | (53) MIN. VRT. CLEAR. OVER DECK: 99.99 FT (99.99 M) |
|   | (54) MIN. VRT. UNDERCLEARANCE: 0.00 FT (0.00 M)     |

**CONDITION AND APPRAISAL DATA, PROPOSED IMPROVEMENTS, AND COST**

- |                                    |  |
|------------------------------------|--|
| (58) DECK: ..... 7                 | (67) STRUCTURAL EVALUATION: .... 0                         |
| (59) SUPERSTRUCTURE: ..... 1       | (68) DECK GEOMETRY: ..... 8                                |
| (60) SUBSTRUCTURE: ..... 6         | (69) UNDERCLEARANCES: ..... N                              |
| (61) CHANNEL: ..... 6              | (71) WATERWAY ADEQUACY: ..... 8                            |
| (62) CULVERT: ..... N              | (72) APPROACH ALIGNMENT: ..... 8                           |
| (222) APPROACHES: ..... 8          | (113) SCOUR CRITICAL: ..... U - Unknown foundation. Not ye |
| (223) RETAINING WALL: ..... N      | (225) PURPOSE OF IMPROVEMENT: 1 - MAINTENANCE              |
| (36) TRAFFIC SAFETY FEAT: ... NNNN | (226) PRIORITY OF IMPROVEMENT: A - CRITICAL                |
| (75A) TYPE OF WORK: .....          | (227) MAINTENANCE COST: ..... ██████████                   |
| (75B) WORK DONE BY: .....          | (228) REHAB./RECONSTR. COST: ... █████                     |
| (76) IMPROVEMENT LENGTH: ..        | (229) CONSTRUCTION COST: ..... █████                       |

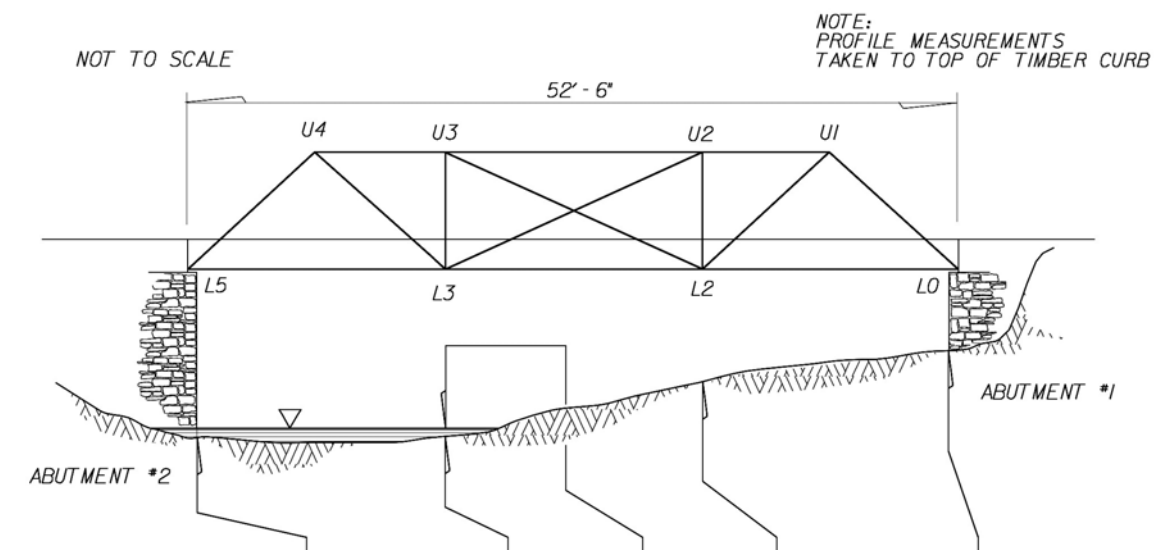
**ADDITIONAL INFORMATION**

- (230) STRUCTURE HISTORY:  
 1995-FLOOR BEAMS, STRINGERS, AND DECK PLANKS REPLACED; TRUSS MEMBER REPAIRED; STRUCTURAL STEEL PAINTED.
- (231) ADDITIONAL CONSIDERATIONS:
- (330) ADDITIONAL CONFIG. INFO.:

**APPENDIX**  
**PYRITE MINE BRIDGE**

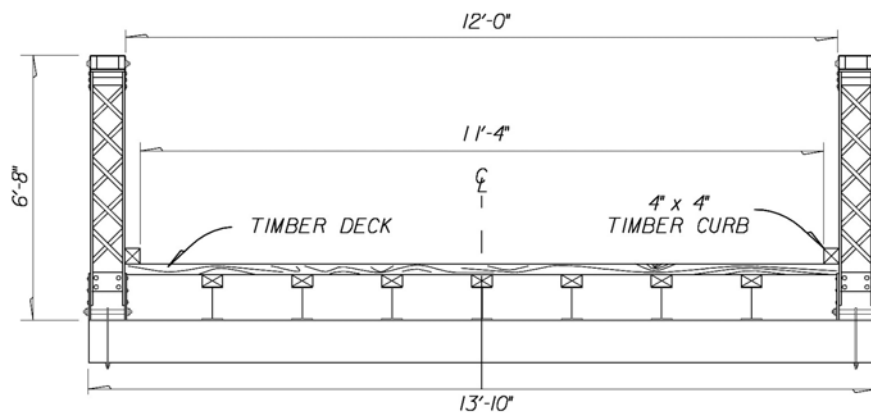
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PYRITE MINE ROAD OVER QUANTICO CREEK  
 NORTH (UPSTREAM) SIDE  
 WEST TOWARD SCENIC DRIVE



DATE	U/S	D/S				U/S	D/S
3/83	11.6'	—	11.0'	10.5'	7.8'	6.0'	—
1/85	11.3'	—	11.8'	11.3'	7.8'	6.0'	—
3/89	11.4'	—	10.9'	—	8.1'	6.4'	—
4/93	—	—	11.4'	11.0'	8.3'	6.6'	—
4/97	11.6'	9.5'	11.9'	11.3'	8.1'	6.6'	6.4'
4/01	11.2'	9.4'	11.3'	10.8'	8.0'	6.5'	6.0'
4/03	11.5'	9.8'	11.8'	11.2'	8.0'	6.8'	6.0'
3/05	11.6'	9.5'	11.7'	11.2'	—	6.9'	6.3'
3/07	11.5'	9.6'	11.8'	11.3'	8.0'	6.8'	6.3'
3/09	—	—	—	—	—	—	—
3/11	11.2'	10.0'	11.8'	11.3'	8.2'	6.8'	6.4'
3/13	11.8'	10.0'	11.9'	11.3'	7.9'	6.8'	6.4'
3/15	ICE	9.9'	11.8'	11.3'	8.2'	6.7'	6.4'

TYPICAL SECTION



AT MIDSPAN