



July 15, 2019

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
P.O. Box 3265
Harrisburg, PA 17105-3265

Re: Application of the Department of Transportation of the Commonwealth of Pennsylvania for approval to perform bridge preservation work on the existing bridge where State Route 0366 crosses above the track of Norfolk Southern Railway Company, DOT Number 510 866 U in Tarentum Borough, Allegheny County and the allocation of costs incident thereto.

Dear Secretary Chiavetta:

Enclosed for filing, please find the Application of the Department of Transportation.

A copy of this Application and Exhibits has been served upon the parties in the Certificate of Service to the Application.

Sincerely,

A handwritten signature in black ink, appearing to read "Gregory J. Vaughn". The signature is fluid and cursive, with a long, sweeping tail that extends to the right.

Gregory J. Vaughn
Grade Crossing Engineer
Utilities and Right-of-Way Section
Department of Transportation

Attachments

cc: Parties of Record
Mark J. Chappell, P.E., Chief, Utilities and Right-of-Way Section, 7th Floor, CKB
Gina M. D'Alfonso, Office of Chief Counsel, 9th Floor, CKB
Ronald J. Hull, P.E., Supervisor, Rail Safety Engineering Section PUC, 3rd Floor, CKB

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of the Department of Transportation of the Commonwealth of Pennsylvania for approval to perform bridge preservation work on the existing bridge where State Route 0366 crosses above the track of Norfolk Southern Railway Company, DOT Number 510 866 U in Tarentum Borough, Allegheny County and the allocation of costs incident thereto.

Application
Docket No. _____

Electronically Filed

To the Pennsylvania Public Utility Commission:

1. The name and address of Applicant are the Commonwealth of Pennsylvania, Department of Transportation, by Mark J. Chappell, P.E., Chief, Utilities and Right-of-Way Section, PO Box 3362, Harrisburg, PA 17105-3362.
2. The name and address of attorney for the Applicant are Jason D. Sharp, Chief Counsel, Commonwealth of Pennsylvania, Department of Transportation, Office of Chief Counsel, PO Box 8212, Harrisburg, PA 17105-8212.
3. The Applicant is an agency of Commonwealth of Pennsylvania, organized and existing under the Administrative Code of 1929, 71 P.S. § 511, et seq. and generally 36 P.S. § 670 - 401 et seq.
4. The names and addresses of the persons, parties and entities concerned in, or affected by the proposed construction, to the best of the Applicant's knowledge, are shown in the certificate of service. In addition to those served, the Applicant requests that the following also receive service of all documents in this matter:

Mark J. Chappell, P.E., Chief
Utilities and Right of Way Section
Pennsylvania Department of Transportation
P.O. Box 3362
Harrisburg, PA 17105-3362

Gina D'Alfonso, Senior Counsel-in-Charge
Office of Chief Counsel
Pennsylvania Department of Transportation
P.O. Box 8212
Harrisburg, PA 17105-8212

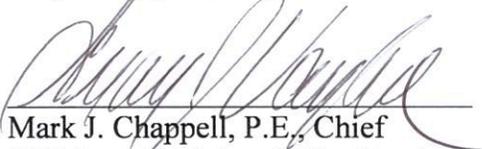
5. It is desirable to perform bridge preservation work to include, zone painting, structural steel repairs, joint repairs, concrete deck hydrodemolition and latex overlay, substructure repairs, bearing replacement, and drainage repairs on the existing bridge carrying State Route 366, Segment 0033, Offset 0890, over the tracks of Norfolk Southern Railway Company. A Location Map is attached hereto and is marked as Exhibit "A". Additionally, a copy of the Type, Size, and Location Plans has been attached hereto is marked as Exhibit "B".

6. The average daily traffic for State Route 0366 is 2,000 vehicles with 7% trucks.

7. The estimated total cost for the project is \$3,000,000. The funding for the project will be 80% federal funds and 20% state funds.
8. This project is necessary and proper for the safety and convenience of the public.
9. A conference of all parties of interest should be held to discuss the proposed alteration.

Wherefore, Applicant respectfully requests that the Public Utility Commission approve this application:

Respectfully Submitted:

sd 

Mark J. Chappell, P.E., Chief
Utilities and Right-of-Way Section
Department of Transportation
PO Box 3362
Harrisburg, PA 17105-3362
Phone (717) 787-8298
Fax (717) 705-2380

Date: 7/15/2019

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of the Department of Transportation of the Commonwealth of Pennsylvania for approval to perform bridge preservation work on the existing bridge where State Route 0366 crosses above the track of Norfolk Southern Railway Company, DOT Number 510 866 U in Tarentum Borough, Allegheny County and the allocation of costs incident thereto.

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CERTIFICATE OF SERVICE

I hereby certify that I have this day served a true copy of the foregoing document upon the participants listed below, in accordance with the requirements of 52 Pa. Code § 1.54, by first class mail, postage prepaid:

Mr. D. Shawn Starling, P.E.
Norfolk Southern Railway Company
1200 Peachtree Street N.E.
Atlanta, GA 30309

Mr. Timothy J. Bentley, Esquire.
Norfolk Southern Railway Company
Three Commercial Place
Norfolk, VA 23510-9241

Mr. Rich Fitzgerald
Allegheny County Executive
101 County Courthouse
436 Grant Street
Pittsburgh, PA 15219

Mr. Michael Nestico
Tarentum Borough
318 E. Second Avenue
Tarentum, PA 15084

Mr. Ford McLean
AT&T Local Network Services
3487 Beck Road
Butler, PA 16002

Mr. Rick Moslen
Comcast Central Office
1530 Chartiers Avenue
Pittsburgh, PA 15204

Mr. Nicholas J. Barman
First Energy Corporation
1910 W. Market Street
Akron, Ohio 44313

Mr. Mike Denny
Peoples Natural Gas Company
375 North Shore Drive
Pittsburgh, PA 15212

Ms. Debbie Barum
Verizon Pennsylvania LLC
Right-of-Way Department
15 East Montgomery Avenue, 2nd Floor
Pittsburgh, PA 15212

Mr. Larry Goglin
Windstream
98 Industrial Park
Brookville, PA 15825

Dated this 15th Day of July, 2019


Name

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of the Department of Transportation of the Commonwealth of Pennsylvania for approval to perform bridge preservation work on the existing bridge where State Route 0366 crosses above the track of Norfolk Southern Railway Company, DOT Number 510 866 U in Tarentum Borough, Allegheny County and the allocation of costs incident thereto.

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VERIFICATION

I, Gregory J. Vaughn, hereby state that the facts above set forth are true and correct to the best of my knowledge, information and belief and that I expect to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa.C.S. §4904 (relating to unsworn falsification to authorities).

Date: 7/15/2019



Gregory J. Vaughn
Central Office Grade Crossing Engineer

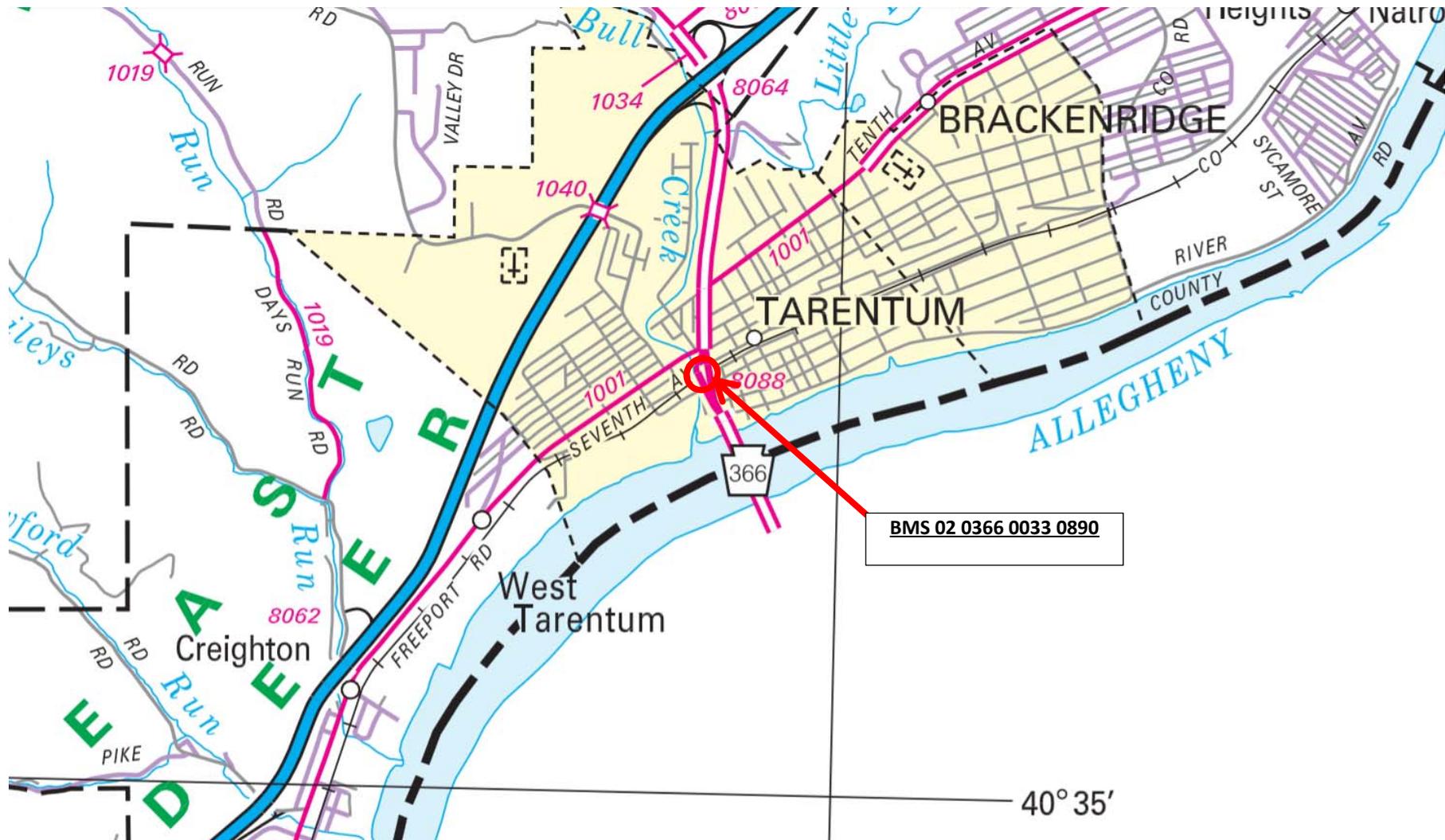
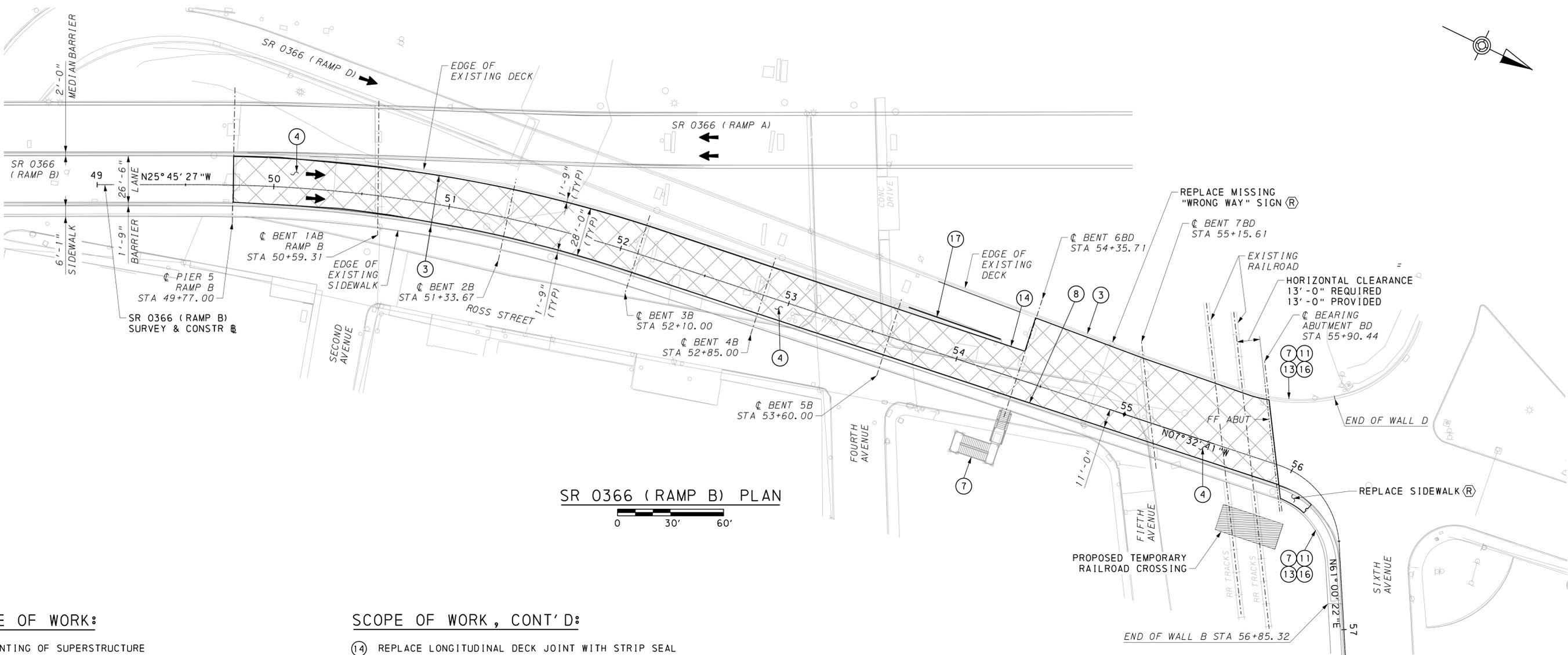


Exhibit A



SR 0366 (RAMP B) PLAN
0 30' 60'

SCOPE OF WORK:

- ① PAINTING OF SUPERSTRUCTURE
- ② REMOVE ABANDONED CONNECTION ANGLE BRACKETS
- ③ REPAIR DETERIORATED CONCRETE, BARRIERS
- ④ SCARIFY EXISTING DECK, HYDRODEMOLITION, PLACEMENT OF 1.25" LATEX MODIFIED CONCRETE OVERLAY TO DECK, TEXTURIZE SURFACE WITH LONGITUDINAL SAWED GROOVES, AND CRACK SEALER AS DIRECTED
- ⑤ PAINT TOP FLANGES
- ⑥ CLEAN/INSPECT UNDERGROUND DRAINAGE SYSTEM AS DIRECTED
- ⑦ REPAIR DETERIORATED CONCRETE, SUBSTRUCTURES
- ⑧ CLEAN AND FLUSH SHOULDER AREAS AND SCUPPERS
- ⑨ REPLACE BEARINGS
- ⑩ REPLACE COMPRESSION SEAL WITH STRIP SEAL EXPANSION DAM (3" MOVEMENT CLASSIFICATION)
- ⑪ APPLY PROTECTIVE COATING TO REINFORCED CONCRETE SURFACES (PENETRATING SEALER)
- ⑫ APPLY PROTECTIVE COATING TO REINFORCED CONCRETE SURFACES (EPOXY RESIN)
- ⑬ REPLACE JOINT MATERIAL AT WINGWALLS

SCOPE OF WORK, CONT'D:

- ⑭ REPLACE LONGITUDINAL DECK JOINT WITH STRIP SEAL EXPANSION DAM (3" MOVEMENT CLASSIFICATION)
- ⑮ REPAIR/REPLACE DOWNSPOUTING
- ⑯ EPOXY INJECTION CRACK SEAL
- ⑰ REPLACE LONGITUDINAL JOINT SEAL AT BARRIER
- ⑱ APPLY PROTECTIVE COATING TO REINFORCED CONCRETE BARRIERS AND SIDEWALK
- ⑲ UNDERDECK PROTECTIVE SHIELDING AT EXPANSION DAM REPLACEMENT LOCATIONS
- ⑳ FLANGE LAP REPAIR

REFERENCES:

- 1. GENERAL ELEVATION
- 2. INDEX OF DRAWINGS & TYP SECTION
- 3. GENERAL NOTES
- 4. SUMMARY OF QUANTITIES

SHEET:

- 2
- 3
- 4
- 5-6

LEGEND:

- ⑰ SCOPE OF WORK ITEM
- ⊠ LMC OVERLAY
- ➔ INDICATES TRAFFIC DIRECTION
- Ⓡ ROADWAY ITEM
- FF DENOTES FRONT FACE

Mark	Description	By	Chk'd.	Recm'd.	Date
REVISIONS					

SR 0366 PREVIOUSLY KNOWN AS LR 9801
BMS STR ID: 02-0366-0033-0890 ECMS/MPMS NO: 63307 BRKEY: 1109

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

ALLEGHENY COUNTY
SR 0366 SECTION A06
SEGMENT 0033 OFFSET 0890
SR 0366 STA 52+83.72
OVER NORFOLK SOUTHERN RAILROAD,
4TH AVE, AND ROSS STREET
PRESERVATION OF STEEL MULTI-GIRDER BRIDGE
GENERAL PLAN

RECOMMENDED _____	SHEET 1 OF 39 + SUPPLEMENTAL DRAWINGS
DISTRICT BRIDGE ENGINEER	S - 38580

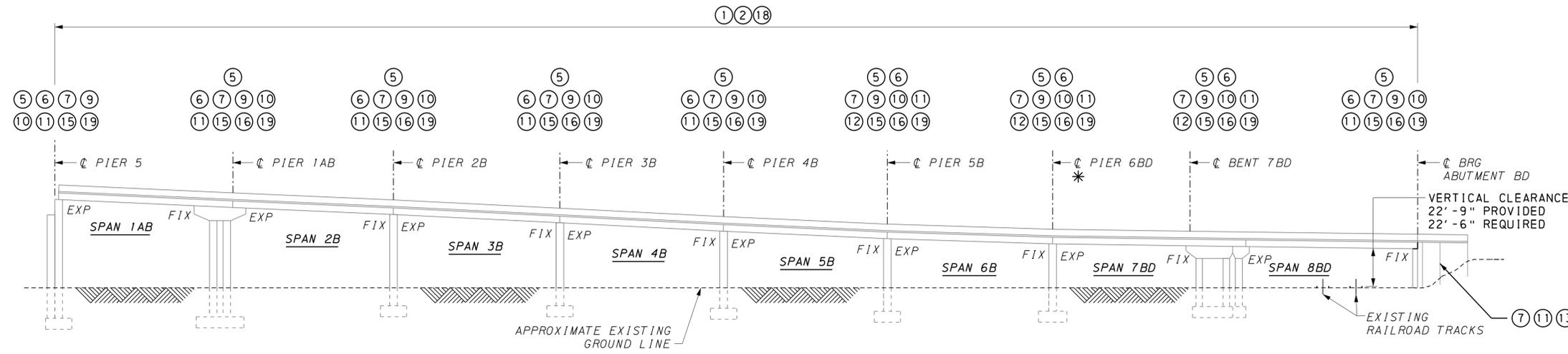
Preliminary
Not For
Construction

PREPARED BY:
Michael Baker
INTERNATIONAL
AIRSIDE BUSINESS PARK
100 AIRSIDE DRIVE
MOON TOWNSHIP, PA 15108
PHONE: (412) 269-6300

DESCRIPTION	DWG NO	RECM'D DATE
ANCHOR SYSTEMS	BC-734M	1/31/2019
WALL CONSTRUCTION AND EXPANSION JOINT DETAILS	BC-735M	9/30/2016
REINFORCEMENT BAR FABRICATION DETAILS	BC-736M	1/31/2019
BRIDGE DRAINAGE	BC-751M	1/31/2019
CONCRETE DECK SLAB DETAILS	BC-752M	9/30/2016
BEARINGS	BC-755M	1/31/2019
NEOPRENE STRIP SEAL DAM FOR PRESTRESSED CONCRETE & STEEL I-BEAM BRIDGES	BC-767M	1/31/2019
REINFORCED CONCRETE REPAIR	BC-783M	1/31/2019

SUPPLEMENTAL DRAWINGS

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SR 0366 (RAMP B) ELEVATION



LEGEND:

- ② SCOPE OF WORK ITEM
- * STAIRWAY AT BENT 6BD NOT SHOWN FOR CLARITY

REFERENCES:

1. GENERAL PLAN
2. SCOPE OF WORK ITEMS
3. GENERAL NOTES
4. SUMMARY OF ESTIMATED QUANTITIES

SHEET:

- 1
- 1
- 4
- 5-6

Preliminary
Not For
Construction

Mark	Description	By	Chk' d.	Recm' d.	Date
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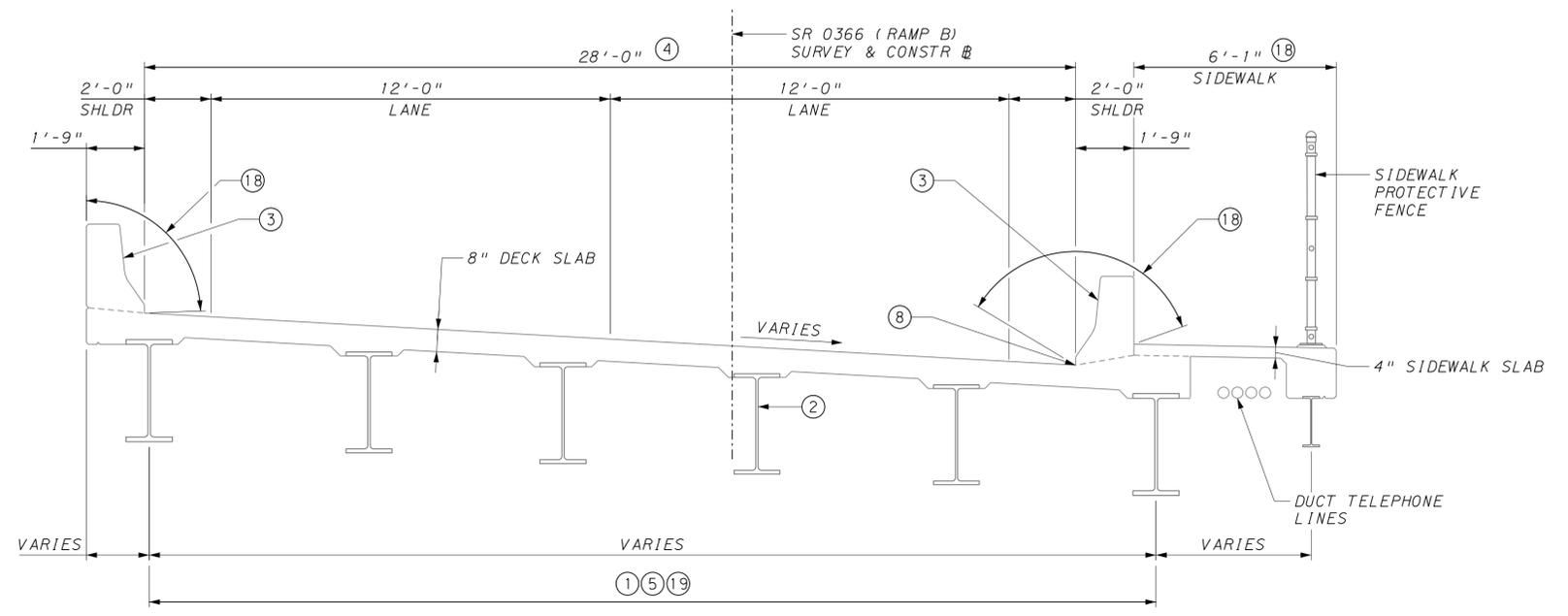
COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

ALLEGHENY COUNTY
SR 0366 SECTION A06
SEGMENT 0033 OFFSET 0890
SR 0366 STA 52+83.72
OVER NORFOLK SOUTHERN RAILROAD,
4TH AVE, AND ROSS STREET
PRESERVATION OF STEEL MULTI-GIRDER BRIDGE
GENERAL ELEVATION

RECOMMENDED _____ SHEET 2 OF 39
S - 38580

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INDEX OF DRAWINGS	
SHEET NO	SHEET TITLE
1	GENERAL PLAN
2	GENERAL ELEVATION
3	INDEX OF DRAWINGS & TYP SECTION
4	GENERAL NOTES
5	SUMMARY OF QUANTITIES - 1
6	SUMMARY OF QUANTITIES - 2
7	PIER 5 REPAIRS
8	BENT 1AB REPAIRS
9	BENT 2B REPAIRS
10	BENT 3B REPAIRS
11	BENT 4B REPAIRS
12	BENT 5B REPAIRS
13	BENT 6BD REPAIRS
14	STAIRWAY AT BENT 6BD REPAIRS
15	BENT 7BD REPAIRS
16	ABUTMENT BD REPAIRS
17	CONCRETE REPAIR DETAILS
18	DECK PLAN - 1
19	DECK PLAN - 2
20	DECK PLAN - 3
21	DECK PLAN - 4
22	PIER 5 EXP DAM REPLACEMENT - 1
23	PIER 5 EXP DAM REPLACEMENT - 2
24	TYP EXP DAM REPLACEMENT - 1
25	TYP EXP DAM REPLACEMENT - 2
26	BENT 6BD EXP DAM REPLACEMENT - 1
27	BENT 6BD EXP DAM REPLACEMENT - 2
28	BENT 7BD EXP DAM REPLACEMENT - 1
29	BENT 7BD EXP DAM REPLACEMENT - 2
30	ABUTMENT BD EXP DAM REPLACEMENT - 1
31	ABUTMENT BD EXP DAM REPLACEMENT - 2
32	ABUTMENT BD EXP DAM REPLACEMENT - 3
33	MISCELLANEOUS REPAIRS
34	BEARING DETAILS - 1
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36	BEARING PEDESTALS
37	BEARING TABLES
38	BEARING DETAILS @ BENT 6BD - 1
39	BEARING DETAILS @ BENT 6BD - 2



TYPICAL SECTION - RAMP B
 (SPAN 5B SHOWN)
 (LOOKING AHEAD STATIONS)
 0 1' 2' 3' 4'

LEGEND:
 (1) SCOPE OF WORK ITEM

REFERENCES:
 1. GENERAL PLAN
 2. GENERAL ELEVATION
 3. GENERAL NOTES
 4. SUMMARY OF ESTIMATED QUANTITIES

SHEET:
 1
 2
 4
 5-6

Preliminary
Not For
Construction

Mark	Description	By	Chk'd.	Recm'd.	Date
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COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF TRANSPORTATION

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PRESERVATION OF STEEL MULTI-GIRDER BRIDGE
INDEX OF DRAWINGS & TYP SECTION

RECOMMENDED _____ SHEET 3 OF 39
 S - 38580

GENERAL NOTES

DESIGN SPECIFICATIONS

AASHTO LOAD FACTOR BRIDGE DESIGN SPECIFICATIONS, SEVENTEENTH EDITION, 2002, AND AS SUPPLEMENTED BY PENNDOT DESIGN MANUAL, PART 4 (INCLUDING REVISIONS THROUGH 2007).

AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 7TH EDITION, 2014, AND AS SUPPLEMENTED BY DESIGN MANUAL, PART 4 (INCLUDING REVISIONS THROUGH 2015).

LIVE LOAD DISTRIBUTION TO GIRDERS IS BASED UPON PENNDOT DESIGN MANUAL PART 4 DISTRIBUTION FACTORS.

DESIGN IS IN ACCORDANCE WITH THE STRENGTH DESIGN METHOD (LOAD FACTOR DESIGN).

NEW ELEMENTS INCLUDING BEARINGS ARE DESIGNED IN ACCORDANCE WITH THE LRFD METHOD.

DESIGN LIVE LOAD

HS-20, TK527, ML-80, OR P-82 (204 KIP PERMIT LOAD) WITH THE AASHTO GROUP 1-B LOADING.

FATIGUE DESIGN IS BASED ON INFINITE FATIGUE LIFE FOR ELASTOMERIC BEARINGS.

DEAD LOADS

INCLUDES SURFACE AREA DENSITY OF 0.030 KSF FOR FUTURE WEARING SURFACE ON THE DECK SLAB.

INCLUDES A SURFACE AREA DENSITY OF 0.015 KSF FOR PERMANENT METAL DECK FORMS WHICH TAKES INTO ACCOUNT THE WEIGHT OF THE FORMS PLUS THE WEIGHT OF THE CONCRETE IN THE VALLEYS OF THE FORMS.

GENERAL

PROVIDE MATERIALS AND PERFORM WORK IN ACCORDANCE WITH SPECIFICATIONS, PUBLICATION 408/2016-7, AASHTO/AWS D1.5M/D1.5 2008 BRIDGE WELDING CODE, AND CONTRACT SPECIAL PROVISIONS.

PROVIDE STRUCTURAL STEEL CONFORMING TO AASHTO M270/M270M (ASTM A709/A709M) GRADE 50, EXCEPT WHEN NOTED OTHERWISE.

PROVIDE 2 IN. CONCRETE COVER ON REINFORCEMENT BARS, EXCEPT AS NOTED.

USE CLASS AAAP CEMENT CONCRETE AT EXPANSION DAM REPLACEMENTS.

USE CLASS AA CEMENT CONCRETE IN BARRIERS.

USE CLASS A CEMENT CONCRETE IN PEDESTALS.

A HIGHER CLASS CONCRETE MAY BE SUBSTITUTED FOR A LOWER CLASS CONCRETE AT NO ADDITIONAL COST TO THE DEPARTMENT, IF APPROVED BY THE DISTRICT BRIDGE ENGINEER.

PROVIDE GRADE 60 REINFORCING STEEL BARS THAT MEET THE REQUIREMENTS OF ASTM A 615/A 615M, A 996/A 996M OR A 706/A 706M. DO NOT WELD GRADE 60 REINFORCING BARS UNLESS SPECIFIED. GRADE 40 REINFORCING BARS MAY BE SUBSTITUTED WITH A PROPORTIONAL INCREASE IN CROSS-SECTIONAL AREA, IF APPROVED BY THE CHIEF BRIDGE ENGINEER. DO NOT USE RAIL STEEL A 996/A 996M REINFORCEMENT BARS IN BRIDGE PIERS, ABUTMENTS, SHEAR BLOCKS, BEAMS, FOOTINGS, PILES, BARRIERS OR WHERE BENDING OR WELDING OF THE REINFORCEMENT BARS IS INDICATED.

USE EPOXY-COATED REINFORCEMENT BARS FOR ALL REINFORCEMENT.

GALVANIZED REINFORCING STEEL BARS MAY BE SUBSTITUTED FOR EPOXY-COATED REINFORCING STEEL BARS AT NO ADDITIONAL COST TO THE DEPARTMENT.

RAKE-FINISH ALL HORIZONTAL CONSTRUCTION JOINTS, EXCEPT AS INDICATED.

CHAMFER EXPOSED CONCRETE EDGES 1 INCH BY 1 INCH, EXCEPT AS NOTED.

ALL DIMENSIONS ARE HORIZONTAL EXCEPT AS NOTED.

SUPERSTRUCTURE DIMENSIONS ARE FOR A NORMAL TEMPERATURE OF 68 °F.

PROVIDE MINIMUM EMBEDMENT AND SPLICE LENGTHS IN ACCORDANCE WITH STANDARD DRAWING BC-736M, UNLESS OTHERWISE INDICATED.

PREPARE BEARING AREAS AS SPECIFIED IN PUBLICATION 408, SECTION 1001.3(k)9.

BRIDGE IS NOT WEIGHT RESTRICTED. SEE PUBLICATION 408 SECTION 105.17 FOR CONSTRUCTION LOADING LIMITS.

PREPARE EXISTING CONCRETE SURFACES AGAINST WHICH NEW CONCRETE WILL BE PLACED IN ACCORDANCE WITH PUBLICATION 408/2016, SECTION 1001.3(m) (INCIDENTAL TO NEW CONCRETE).

DRILL HOLES FOR ANCHOR BOLTS AND DOWELS AT THE LOCATIONS INDICATED AND TO THE REQUIRED DEPTH. PROVIDE THE ANCHOR BOLT AND DOWEL DIAMETER AS PER MANUFACTURER'S RECOMMENDATIONS AND FILL WITH EPOXY ADHESIVE. THE HOLE DEPTH MAY BE ADJUSTED PER THE MANUFACTURER'S RECOMMENDATIONS AND AS APPROVED BY THE REPRESENTATIVE.

DRILL HOLES WITH A ROTARY DRILL ONLY. DO NOT CUT THE EXISTING REINFORCEMENT BARS IDENTIFIED TO REMAIN. CLEAN AND PREPARE THE ANCHOR BOLT OR DOWEL HOLE AND PLACE THE EPOXY ADHESIVE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. REPAIR STRUCTURE DAMAGE CAUSED BY THE ANCHOR BOLT OR DOWEL OPERATIONS AS DIRECTED BY THE REPRESENTATIVE.

EPOXY ADHESIVE MAY BE SUBSTITUTED FOR GROUT AT NO ADDITIONAL COST TO THE DEPARTMENT.

BRIDGE REHABILITATION NOTES

DO NOT CONSIDER ANY OF THE DATA ON THE EXISTING STRUCTURE SUPPLIED IN THE ORIGINAL DESIGN DRAWINGS OR MADE AVAILABLE TO YOU BY THE DEPARTMENT OR ITS AUTHORIZED AGENTS AS POSITIVE REPRESENTATIONS OF ANY OF THE CONDITIONS THAT YOU WILL ENCOUNTER IN THE FIELD.

THE INFORMATION SHOWN ON THE PLANS FOR THE EXISTING BRIDGE IS NOT PART OF THE PLANS, PROPOSAL, OR CONTRACT AND IS NOT TO BE CONSIDERED A BASIS FOR COMPUTATION OF THE UNIT PRICES USED FOR BIDDING PURPOSES. THERE IS NO EXPRESSED OR IMPLIED AGREEMENT THAT INFORMATION IS CORRECTLY SHOWN. THE BIDDER IS NOT TO RELY ON THIS INFORMATION, BUT IS TO ASSUME THE POSSIBILITY THAT CONDITIONS AFFECTING THE COST AND/OR QUANTITIES OF WORK TO BE PERFORMED MAY DIFFER FROM THOSE INDICATED.

ORIGINAL DESIGN PLANS

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HIGHWAYS
BRIDGE UNIT
TARENTUM BRIDGE
OVER ALLEGHENY RIVER
ROAD 9801
ALLEGHENY AND WESTMORELAND COUNTIES
S-1539
(APPROVED JULY 23, 1949)

REHABILITATION PLANS

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION
BUREAU OF HIGHWAY DESIGN
ALLEGHENY & WESTMORELAND COUNTIES
LR 9801 SECTION 004
OVER ALLEGHENY RIVER AND CONRAIL
DECK TRUSS BRIDGE REHABILITATION
S-15738
(APPROVED OCTOBER 15, 1985)

BIDDERS ARE REQUIRED TO FIELD-VERIFY INFORMATION PRESENTED IN ACCORDANCE WITH THE SPECIAL PROVISIONS. THE DATA SHOWN HEREIN IS NOT A PART OF THE PLANS, PROPOSAL, OR CONTRACT, AND IS NOT TO BE CONSIDERED AS A BASIS FOR COMPUTATION OF FOR ANY PURPOSE.

THE EXISTING BRIDGE STRUCTURAL MEMBERS CONTAIN LEAD PAINT AND OTHER TOXIC MATERIALS SUCH AS CHROMIUM BASED ON LABORATORY TESTING.

LABORATORY TESTS INDICATED THE FOLLOWING LEVELS OF TOXIC METALS:

LEAD: 486 mg/Kg
CADMIUM: NOT DETECTED
CHROMIUM: 117 mg/Kg
ARSENIC: NOT DETECTED

STRUCTURAL STEEL

VERIFY ALL DIMENSIONS AND GEOMETRY OF THE EXISTING STRUCTURES IN THE FIELD, AS NECESSARY FOR PROPER FIT OF THE PROPOSED CONSTRUCTION.

PRIOR TO FABRICATING SOLE PLATES OR BEARINGS LOCATE EXISTING REINFORCING STEEL BARS IN SUBSTRUCTURE TO ENSURE AVOIDING WHEN DRILLING HOLES FOR PEDESTAL REINFORCING STEEL OR ANCHOR BOLTS. USE A PACHOMETER TO LOCATE EXISTING REINFORCING STEEL AND MARK LOCATIONS FOR REVIEW AND APPROVAL BY THE DEPARTMENT'S REPRESENTATIVE.

PAINT STRUCTURAL STEEL IN ACCORDANCE WITH SPECIAL PROVISIONS.

FINAL COAT TO BE FEDERAL COLOR ID NO. 15450, AZURE BLUE.

THE CONTRACTOR IS RESPONSIBLE FOR SAFE JACKING AND TEMPORARY SUPPORT OF THE BEAMS AND ALL OTHER STEEL MEMBERS DURING BEARING REPLACEMENT. PROVIDE ALL NECESSARY BRACING FOR STRUCTURAL STEEL ELEMENTS UNTIL THE ELEMENTS ARE IN A STABLE (FINAL) CONDITION. SUBMIT A BEARING REPLACEMENT PLAN TO THE REPRESENTATIVE A MINIMUM OF 30 DAYS PRIOR TO THE BEARING REPLACEMENT.

STABILITY OF ALL STRUCTURAL MEMBERS DURING REPAIRS IS TO BE MAINTAINED BY THE CONTRACTOR DURING THE BEARING REPLACEMENT UNTIL THE NEW BEARINGS ARE PROPERLY INSTALLED. TEMPORARY SUPPORT/FALSEWORK LOADS SHALL INCLUDE THE SUPERSTRUCTURE DEAD LOAD, WIND LOADING, AND CONSTRUCTION LIVE LOAD EFFECTS AND ARE TO BE EVALUATED BY THE CONTRACTOR FOR STABILITY, STRESSES, AND DEFLECTIONS ON ALL STEEL MEMBERS DURING ANY STAGE OF ERECTION.

CALCULATIONS SHALL BE PERFORMED BY A REGISTERED PROFESSIONAL ENGINEER IN THE COMMONWEALTH OF PENNSYLVANIA. NO OVERSTRESS IN ANY MEMBER SHALL BE PRESENT FOR ANY COMBINATION OF LOADS.

BLAST CLEAN THE FAYING SURFACES OF SPLICES AND CONNECTIONS OF ALL STRUCTURAL ELEMENTS IN ACCORDANCE WITH PUBLICATION 408 SECTION 1060.3(b)3. REBLAST UNPAINTED ELEMENTS THAT REMAIN UNASSEMBLED FOR A PERIOD OF 12 MONTHS OR MORE FOLLOWING THE INITIAL CLEANING.

PRIOR TO INSTALLING NEW STEEL THAT WILL MAKE EXISTING COATINGS INACCESSIBLE, CLEAN EXISTING STEEL SURFACES THAT WILL BE IN CONTACT WITH THE NEW PRIMED STEEL AND APPLY THE PRIMER COAT IN ACCORDANCE WITH THE CONTRACT SPECIAL PROVISIONS.

WELDING NOTES

WELDING SPECIFICATIONS: AASHTO/AWS/D1.5M/D1.5-2008 BRIDGE WELDING CODE CONSISTENT WITH PUBLICATION 408 1105.03(M) AND THE CONTRACT SPECIAL PROVISIONS. DO NOT FIELD WELD ON ANY PART OF THE EXISTING BRIDGE, EXCEPT WHERE SHOWN ON THE DRAWINGS, WITHOUT PRIOR APPROVAL OF THE REPRESENTATIVE.

WELDING OF EXISTING STRUCTURAL STEEL: USE THE SHIELDED METAL ARC PROCESS AND LOW HYDROGEN ELECTRODES WHICH ARE COMPATIBLE WITH THE BASE METAL AS SPECIFIED AND IN ACCORDANCE WITH AN APPROVED WELD PROCEDURE SPECIFICATION.

MAKE TACK WELDS WITH THE SAME TYPE OF ELECTRODE AND INCORPORATE IN THE FINAL WELD. NO OTHER TACK WELDING WILL BE PERMITTED.

DO NOT WELD WHEN SURFACES TO BE WELDED ARE MOIST OR EXPOSED TO RAIN, SNOW, OR WIND, OR WHEN WELDERS ARE EXPOSED TO INCLEMENT CONDITIONS THAT WILL ADVERSELY AFFECT THE QUALITY OF THE WORK.

DO NOT WELD OR BURN WHEN THE TEMPERATURE IS BELOW 0 °F. PREHEAT AND MAINTAIN THE TEMPERATURE OF THE METAL TO AT LEAST 70 °F WHEN THE TEMPERATURE OF THE METAL IS BETWEEN 0 °F AND 32 °F DURING WELDING OR BURNING.

PREHEAT THE STEEL TO THE SPECIFIED MINIMUM TEMPERATURE FOR A DISTANCE EQUAL TO THE THICKNESS OF THE PART BEING WELDED, BUT NOT LESS THAN 3 INCHES IN ALL DIRECTIONS FROM THE POINT OF WELDING.

REMOVE BY APPLICATION OF HEAT ANY MOISTURE PRESENT AT POINT OF WELD. PROVIDE WINDBREAKS FOR PROTECTION FROM DIRECT WIND.

PRIOR TO PLACING THE WELD, THOROUGHLY CLEAN ALL PORTIONS OF NEW AND EXISTING SURFACES TO RECEIVE WELDS OF ALL FOREIGN MATTER, INCLUDING PAINT FILM, FOR A DISTANCE OF 2 INCHES FROM EACH SIDE OF THE OUTSIDE LINES OF THE WELD.

TEST COMPLETED WELDS USING VISUAL AND NONDESTRUCTIVE METHODS IN ACCORDANCE WITH AASHTO/AWS D1.5M/D1.5 BRIDGE WELDING CODE CHAPTER 6.

UTILITY NOTES

COORDINATE, LOCATE, AND CONDUCT ALL WORK RELATED TO PUBLIC AND PRIVATE UTILITIES IN ACCORDANCE WITH PUBLICATION 408, SECTIONS 105.06 AND 107.12.

PRIOR TO ANY EXCAVATION OR DEMOLITION WORK, CONTACT THE PA ONE CALL SYSTEM, INC. AT 1-800-242-1776 AND COMPLY WITH THE PROVISIONS OF PA ACT 287 OF 1994 AS AMENDED BY ACT 187 OF 1996. IDENTIFY ALL OVERHEAD LINES AND NOTIFY AND COMPLY WITH THE APPLICABLE UTILITY OWNER'S CLEARANCE REQUIREMENTS.

VERIFY AND LOCATE ALL EXISTING UTILITIES PRIOR TO STARTING WORK. CONDUCT OPERATIONS IN A MANNER WHICH ENSURES THAT THE UTILITIES WILL NOT BE DISTURBED OR ENDANGERED AND ASSUME FULL RESPONSIBILITY FOR ANY DAMAGE TO UTILITIES DURING CONSTRUCTION. PENNDOT OR FHWA DOES NOT ASSUME RESPONSIBILITY FOR REIMBURSEMENT, PARTICIPATION IN DESIGN AND/OR REVISIONS OR LIABILITY FOR ACCURACY OF TYPE, SIZE, AND LOCATION OF ANY UTILITY.

RAILROAD NOTES

COMPLY WITH NORFOLK SOUTHERN RAILROAD SPECIAL PROVISIONS.

THE CONTRACTOR SHALL PROVIDE OPEN ACCESS ALONG NORFOLK SOUTHERN MAINTENANCE WAY THROUGHOUT CONSTRUCTION.

PROVIDE THE FOLLOWING RAILROAD CONSTRUCTION CLEARANCES:
HORIZONTAL: 13'-0" MINIMUM FROM C TRACKS
VERTICAL: 22'-0" MINIMUM FROM TOP OF RAIL

NO EQUIPMENT WILL BE PERMITTED TO BE STORED ON NORFOLK SOUTHERN PROPERTY WITHOUT PERMISSION FROM THE NORFOLK SOUTHERN RAILROAD ENGINEER IN ACCORDANCE WITH SECTION E.5.K.1 OF THE NORFOLK SOUTHERN SPECIAL PROVISIONS FOR PROTECTION OF RAILWAY INTERESTS, AUGUST 11, 2016.

REFERENCES:

1. GENERAL PLAN AND ELEVATION
2. LIST OF PENNDOT SUPPLEMENTAL DRAWINGS
3. SCOPE OF WORK
4. INDEX OF DRAWINGS & TYP SECTION
5. GENERAL NOTES
6. SUMMARY OF ESTIMATED QUANTITIES

SHEET:

- 1 & 2
- 1
- 1
- 3
- 4
- 5-6

Mark	Description	By	Chk' d.	Recm' d.	Date
REVISIONS					

SR 0366 PREVIOUSLY KNOWN AS LR 9801
BMS STR ID: 02-0366-0033-0890 ECMS/MPMS NO: 63307 BRKEY: 1109

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

ALLEGHENY COUNTY
SR 0366 SECTION A06
SEGMENT 0033 OFFSET 0890
SR 0366 STA 52+83.72
OVER NORFOLK SOUTHERN RAILROAD,
4TH AVE, AND ROSS STREET
PRESERVATION OF STEEL MULTI-GIRDER BRIDGE
GENERAL NOTES

RECOMMENDED _____	SHEET <u>4</u> OF <u>39</u>
S - 38580	

Preliminary
Not For
Construction