



July 2, 2020

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
400 North Street
Harrisburg, PA 17120

Re: Application of the Department of Transportation of the Commonwealth of Pennsylvania for approval to install new protective fence on the structure where State Route 3104 crosses the tracks of CSX Transportation, Inc. (DOT No. 584 825 U), Norfolk Southern Railway Company (DOT No. 507 455 K), and the Pittsburgh & Ohio Central Railroad Company (DOT Unknown) in the City of Pittsburgh, Stowe Township and McKees Rocks 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.

I certify that a copy has been sent to all parties of record by email as permitted by the Emergency Order at M-2020-3019262.

Sincerely,

A handwritten signature in cursive script that reads "Philip M. Mutunga".

Philip M. Mutunga, P.E.
Grade Crossing Engineer
Right-of-Way and Utilities Section
Department of Transportation

Attachments

cc: Parties of Record

Daniel Leonard, P.E., Acting Chief, Right-of-Way and Utilities Section, 7th Floor, CKB
Gina M. D'Alfonso, Senior Counsel in Charge, 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 install new protective fence on the structure where State Route 3104 crosses the tracks of CSX Transportation, Inc. (DOT No. 584 825 U), Norfolk Southern Railway Company (DOT No. 507 455 K), and the Pittsburgh & Ohio Central Railroad Company (DOT Unknown) in the City of Pittsburgh, Stowe Township and McKees Rocks 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 Commonwealth of Pennsylvania, Department of Transportation, Douglas M. Seeley, P.E., Assistant District Executive, Engineering District 11-0, 45 Thoms Run Road, Bridgeville, PA 15017.
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:

Daniel D. Leonard, P.E., Acting Chief
Right-of-Way and Utilities Section
Pennsylvania Department of Transportation
PO Box 3362
Harrisburg, PA 17105-3362
danleonard@pa.gov

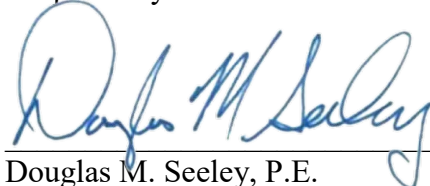
Gina D'Alfonso, Senior Counsel in Charge
Office of Chief Counsel
Pennsylvania Department of Transportation
PO Box 3265
Harrisburg, PA 17105-3265
gdalfonso@pa.gov

5. It is desirable to install new protective fence on the structure where State Route 3104 crosses the tracks of Norfolk Southern Railway Company, CSX Transportation, Inc., and the Pittsburgh & Ohio Central Railroad Company. A Location Map is attached hereto and marked as Exhibit "A". Additionally, a copy of the Type, Size, and Location Plans has been attached hereto and marked as Exhibit "B".

6. The average daily traffic for State Route 3104 is 16,868 vehicles with 14% trucks.
7. The estimated total cost for the new protective fence is \$400,000. 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:



Douglas M. Seeley, P.E.
Assistant District Executive-Design
Engineering District 11-0
Department of Transportation
45 Thoms Run Road
Bridgeville, PA 15017
Phone: (412) 429-5005
Fax: (412) 429-4891
Email: dseeley@pa.gov

Dated: July 2, 2020

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of the Department of Transportation of the Commonwealth of Pennsylvania for approval to install new protective fence on the structure where State Route 3104 crosses the tracks of CSX Transportation, Inc. (DOT No. 584 825 U), Norfolk Southern Railway Company (DOT No. 507 455 K), and the Pittsburgh & Ohio Central Railroad Company (DOT Unknown) in the City of Pittsburgh, Stowe Township and McKees Rocks Borough, Allegheny County and the allocation of costs incident thereto.

Application
Docket No. _____

Electronically Filed

VERIFICATION

I, Philip Mutunga, 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: 07/02/2020

Philip M. Mutunga

Philip M. Mutunga, P.E.
Grade Crossing Engineer
Engineering District 11-0
Department of Transportation

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of the Department of Transportation of the Commonwealth of Pennsylvania for approval to install new protective fence on the structure where State Route 3104 crosses the tracks of CSX Transportation, Inc. (DOT No. 584 825 U), Norfolk Southern Railway Company (DOT No. 507 455 K), and the Pittsburgh & Ohio Central Railroad Company (DOT Unknown) in the City of Pittsburgh, Stowe Township and McKees Rocks Borough, Allegheny County and the allocation of costs incident thereto.

Application
Docket No. _____

Electronically Filed

CERTIFICATE OF SERVICE

I hereby certify that I have this day served a true copy of the foregoing document upon the participants listed below by electronic mail pursuant to the Emergency Order at Docket Number M-2020-3019262:

Mr. D. Shawn Starling, P.E.
Norfolk Southern Railway Company
1200 Peachtree Street NE
Atlanta, GA 30309
Douglas.Starling@nscorp.com

Mr. Mike Gable
City of Pittsburgh
414 Grant Street, 3rd Fl.
Pittsburgh, PA 15219
mike.gable@pittsburghpa.gov

Mr. Derek S. Mihaly, P.E.
CSX Transportation
4 Neshaminy Interplex, Suite 205
Trevose, PA 19053
derek_mihaly@csx.com

Mr. Nicholas Martini
Stowe Township
555 Broadway Avenue
McKees Rocks, PA 15136
nmartinistowetownship@gmail.com

Mr. Jared Rishel
G&W Northeast West Roads
201 N Penn Street
Punxsutawney, PA 15767
jrishel@gwrr.com

Ms. Ruth A. Pompey
McKees Rocks Borough
340 Bell Avenue
McKees Rocks, PA 15136
manager@mckeesrockspa.us

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

Mr. Jerome Vergenes
Peoples Natural Gas Company
1201 Pitt Street
Pittsburgh, PA 15221- 2098
Jerome.p.vergenes@peoples-gas.com

Ms. Debbie Delia
Verizon Pennsylvania LLC
15 East Montgomery Avenue, 2nd Floor
Pittsburgh, PA 15212
deborah.d.delia@verizon.com

Mr. Kyle Tessmer
Duquesne Light Company
2825 New Beaver Avenue, Building 6
Pittsburgh, PA 15233
ktessmer@duqlight.com

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

Ms. Arletta Scott Williams
Allegheny County Sanitary Authority
(ALCOSAN)
3300 Preble Avenue
Pittsburgh, PA 15233-1092
leah.berfiled@alcosan.org

Mr. Dominic Tarella
Columbia Gas of PA, Inc.
4000 Energy Drive
Bridgeville PA 15017
dtarella@nisource.com

Mr. Stephen L. Putt
Level 3 Communications
200 Technology Drive
Pittsburgh, PA 15219
Stephen.Putt@Level3.com

Mr. Brad LeViere
Century Link (United Telephone)
160 Unionville Road
Butler, PA 16001
Bradley.n.leviere@centurylink.com

Dated this 2nd Day of July, 2020

Mr. Rick Moslen
Comcast Central Office
1530 Chartiers Ave.
Pittsburgh, PA. 15204
Richard_Moslen@cable.comcast.com

Mr. Chad Boutet, P.E.
Assistant Vice President Engineering
Genesee and Wyoming Northeast Region
chad.boutet@gwrr.com

Ms. Dawn Werner
Manager, Engineering
Genesee and Wyoming Northeast Region
dwerner@gwrr.com

Mr. George Koleck
The Municipal Authority of
Borough of West View – Water
2428 Rochester Road
Pittsburgh, PA 15143
gkoleck@wvwaauthority.com

Mr. Larry Goglin
Windstream
98 Industrial Park
Brookville, PA 15825
Larry.goglin@windstream.com

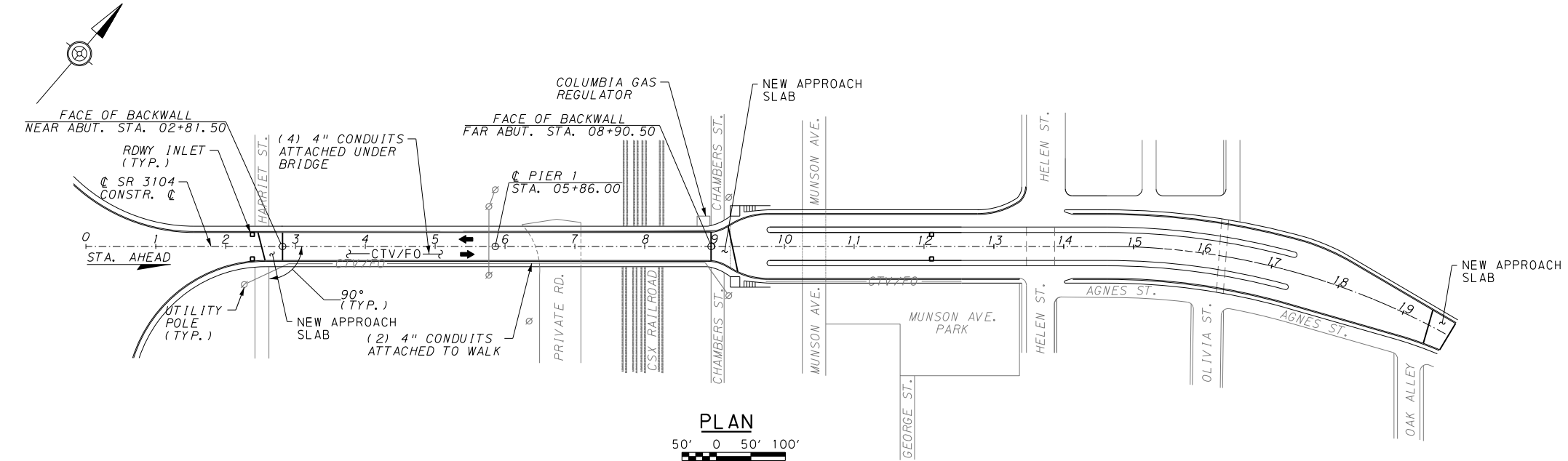
Ms. Amanda Peterson
Shell Appalachia / Shell Oil Co.
2100 Georgetown Drive
Sewickley, PA 15143
appalachia@shell.com

Mr. Robert A. Weimar
Pittsburgh Water & Sewer Authority (PWSA)
Penn Liberty Plaza 1
1200 Penn Avenue
rweimar@pgh2o.com

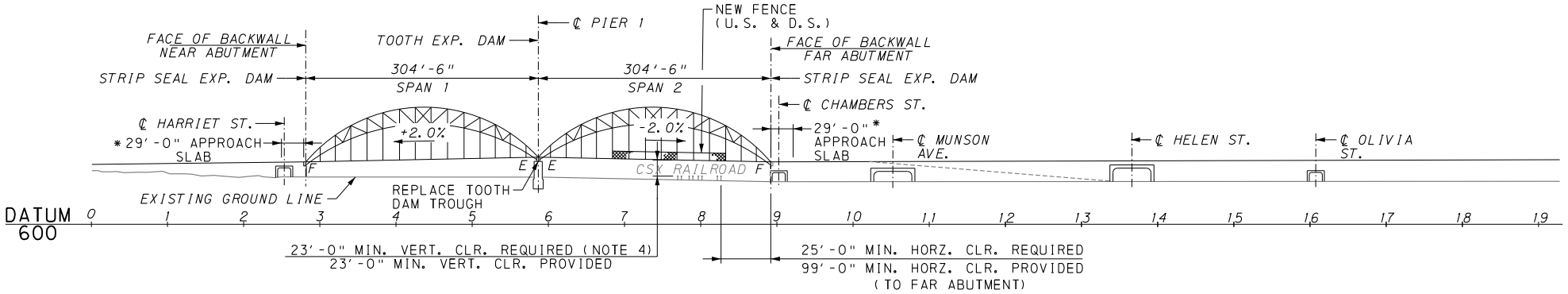
Philip M. Mutunga

Philip M. Mutunga, P.E.
Grade Crossing Engineer
Engineering District 11-0
Department of Transportation

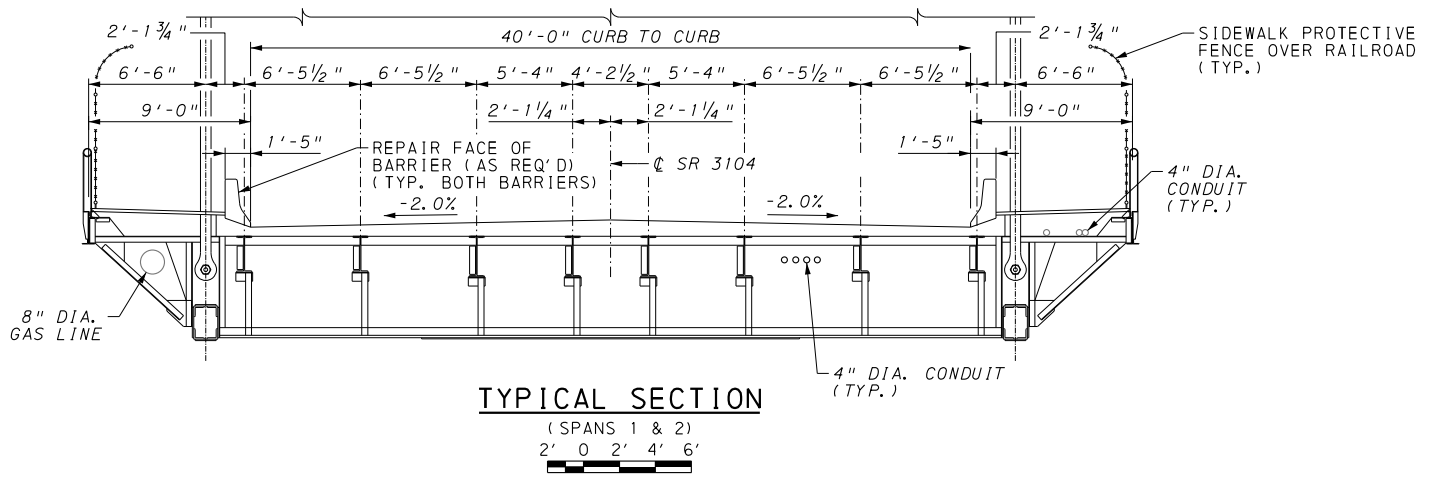
\\gfdp101\is\CADD\060361 - PDT D11 E03394\WO-1\E. Prj WPK\g. CADD\TSL\SH101_03_TSL01.dgn
 6/16/2020 9:52:47 AM



PLAN
50' 0 50' 100'



ELEVATION
50' 0 50' 100'



TYPICAL SECTION
(SPANS 1 & 2)
2' 0 2' 4' 6'

GENERAL NOTES:

1. PROVIDE MATERIALS AND PERFORM WORK IN ACCORDANCE WITH SPECIFICATIONS PUBLICATION 408/2016 LATEST EDITION, AASHTO/AWS BRIDGE WELDING CODE D1.5/D1.5M - 2008 AND CONTRACT SPECIAL PROVISIONS.
2. DESIGN SPECIFICATIONS:
ALLOWABLE STRESS DESIGN - 2002 AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, SEVENTEENTH EDITION, INCLUDING INTERIM REVISIONS AND AS SUPPLEMENTED BY DESIGN MANUAL, PART 4, 1996 FOR ANALYSIS OF EXISTING MEMBERS AND MEMBER REPAIRS.
3. DESIGN LIVE LOADS:
H20, HS20, ML80 AND TK527
4. A TEMPORARY CLEARANCE ENVELOPE IS TO BE MAINTAINED OVER THE CSX RAILROAD TRACKS DURING CONSTRUCTION. THE ENVELOPE IS TO PROVIDE A MINIMUM VERTICAL CLEARANCE OVER THE TRACKS OF 23'-0" MEASURED WITHIN 6'-0" FROM THE CENTERLINE OF ALL THE TRACKS.

SCOPE OF WORK:

- PIER 1 - REPLACE TORN TOOTH EXPANSION DAM DRAINAGE TROUGH.
- REPLACE APPROACH SLABS AT NEAR AND FAR ABUTMENTS
- REPAIR FACE OF BRIDGE DECK CONCRETE BARRIERS
- INSTALL NEW SIDEWALK PROTECTIVE FENCE TO THE UPSTREAM AND DOWNSTREAM PORTIONS OF THE SIDEWALK OVER THE RAILROAD

LEGEND:

- F - FIXED PIN BEARING
- E - EXPANSION ROCKER BEARING
- EXP. - EXPANSION
- STA. - STATION
- ➔ - TRAFFIC DIRECTION
- * - MEASURED ALONG THE CONSTR. C
- U. S. - UPSTREAM
- D. S. - DOWNSTREAM

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

BMS NO. 02-3104-0010-0320; BRKEY 1868

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

ALLEGHENY COUNTY
S.R. 3104 SECTION A03

SEGMENT 0010 OFFSET 0320
S.R. 3104 STA. 5+86

MCKEES ROCKS BRIDGE REHABILITATION
OVER CSX TRANSPORTATION

TS&L GENERAL PLAN & ELEVATION

RECOMMENDED _____

SHEET 1 OF 1

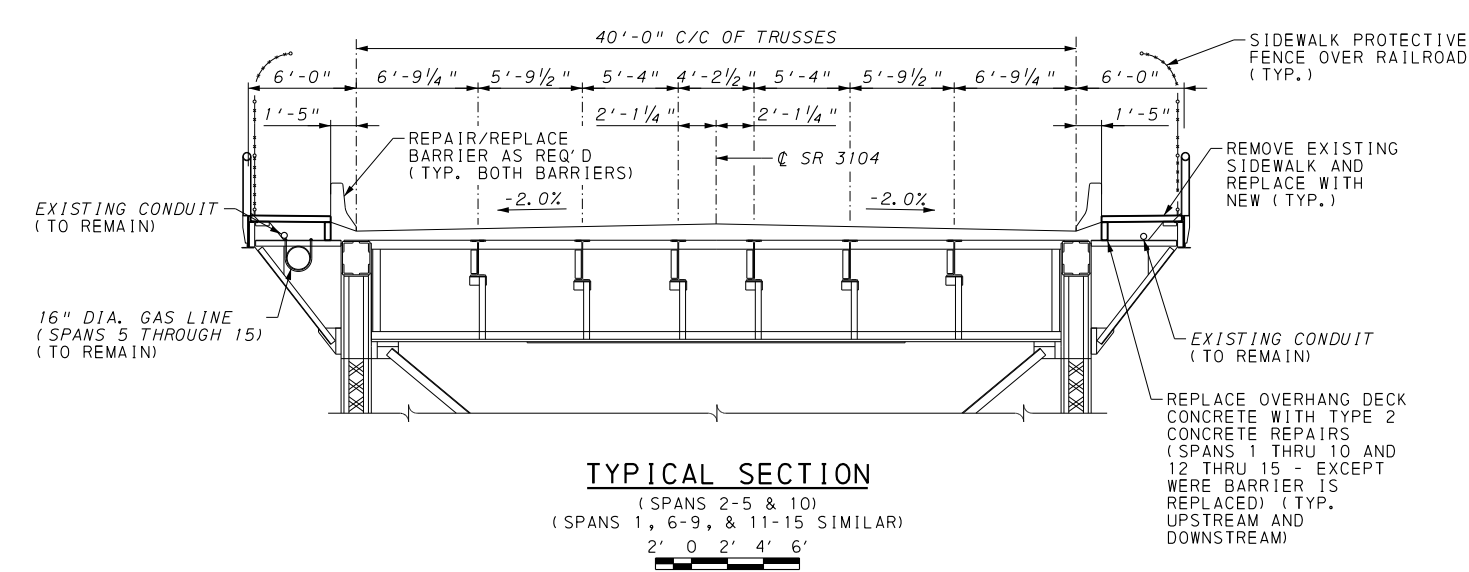
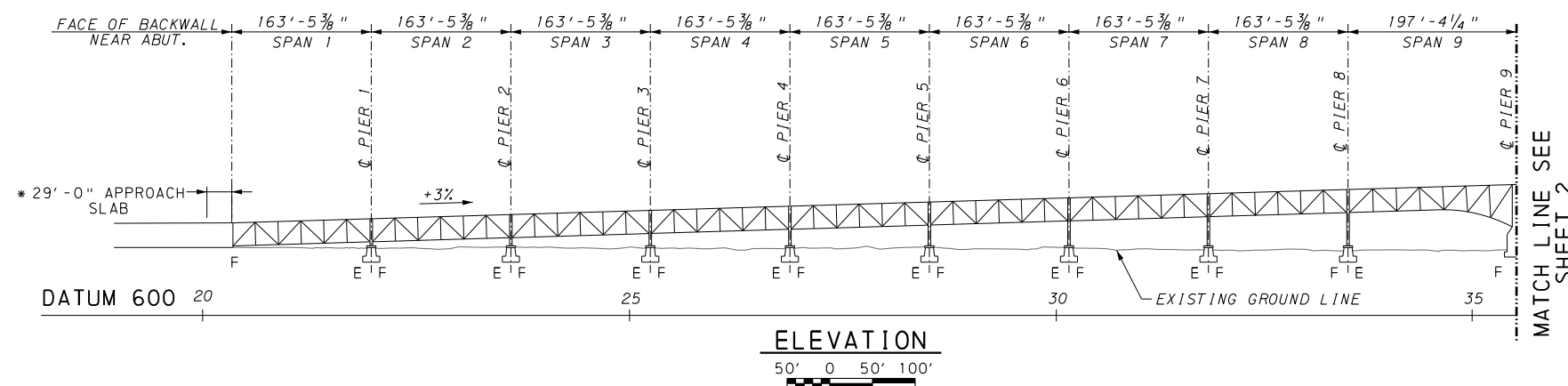
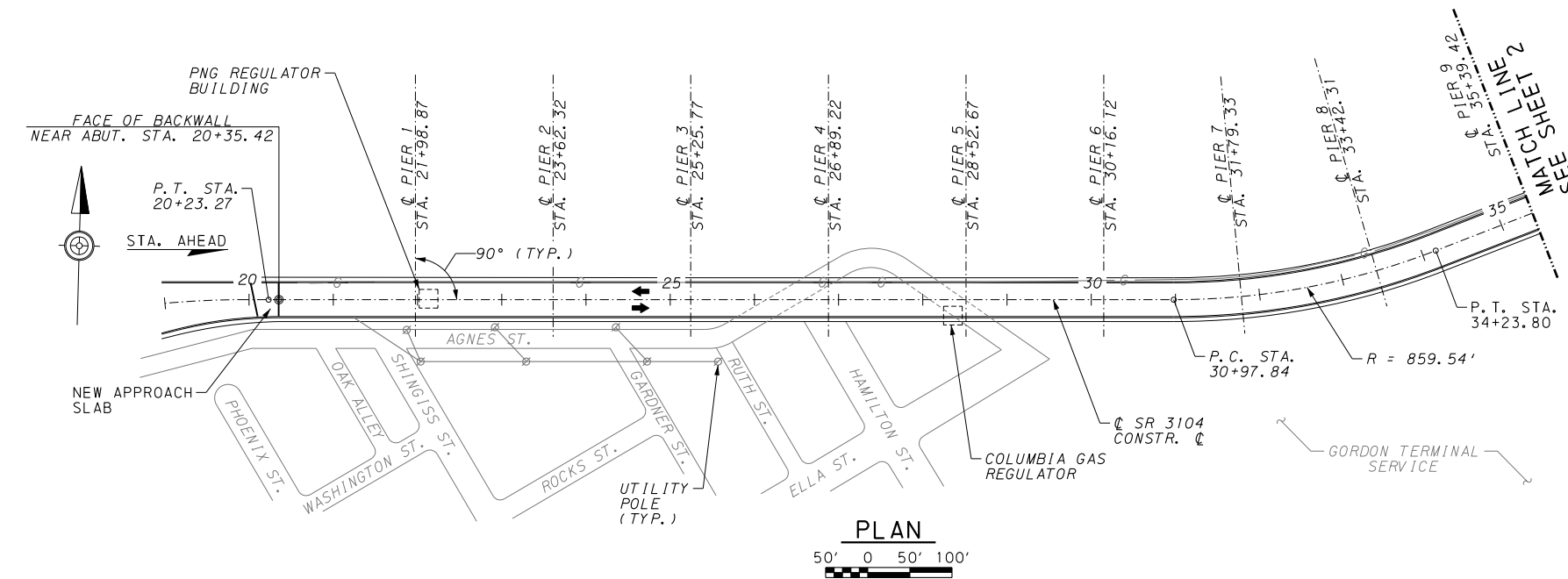
S-39125

GENERAL NOTES:

- PROVIDE MATERIALS AND PERFORM WORK IN ACCORDANCE WITH SPECIFICATIONS PUBLICATION 408/2016 LATEST EDITION, AASHTO/AWS BRIDGE WELDING CODE D1.5/D1.5M - 2008 AND CONTRACT SPECIAL PROVISIONS.
- DESIGN SPECIFICATIONS:
 - ALLOWABLE STRESS DESIGN - 2002 AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, SEVENTEENTH EDITION, INCLUDING INTERIM REVISIONS AND AS SUPPLEMENTED BY DESIGN MANUAL, PART 4, 1996 FOR ANALYSIS OF EXISTING MEMBERS AND MEMBER REPAIRS.
 - LOAD AND RESISTANCE FACTOR DESIGN - AASHTO LRFD 7TH EDITION, 2014 AND AS SUPPLEMENTED BY DESIGN MANUAL, PART 4, 2015 FOR NEW SIDEWALK ELEMENTS.
- DESIGN LIVE LOADS:
 - H20, HS20, ML80 AND TK527
 - SIDEWALK - 90 PSF
- DEAD LOADS:
 - UTILITY LOADS (SIDEWALK):
 - 16" DIAMETER GAS LINE - 85 PLF
 - TWO 2 1/2" DIAMETER CONDUITS - 12 PLF
- RAILROAD:
 - NO EQUIPMENT WILL BE PERMITTED TO BE STORED ON NS PROPERTY WITHOUT PERMISSION FROM THE NS RAILROAD ENGINEER IN ACCORDANCE WITH SECTION E.5.K.1 OF THE NS PUBLIC PROJECTS MANUAL.

SCOPE OF WORK:

- REMOVE AND DISPOSE OF EXISTING NETTING UNDER EACH SIDEWALK
- SIDEWALKS - REPLACE SIDEWALKS WITH CONCRETE FILLED STEEL GRID DECKING AND REPAIR SUPPORTING ELEMENTS AS REQUIRED IN SPANS 1 THRU 10 AND SPANS 12 THRU 9
- REPLACE THE CONCRETE BARRIER ON THE DOWNSTREAM SIDE OF THE BRIDGE IN SPANS 2 THRU 9
- REPLACE OVERHANG DECK CONCRETE WITH TYPE 2 CONCRETE REPAIRS ALONG BOTH THE UPSTREAM AND DOWNSTREAM SIDEWALKS (EXCEPT WHERE THE BARRIER IS BEING REPLACED AND IN SPAN 12)
- PIER 8 - REPLACE NEOPRENE STRIP SEAL GLAND
- FAR ABUTMENT - REPLACE NEOPRENE STRIP SEAL DAM
- FAR ABUTMENT - REPLACE THE TOP OF THE BACKWALL AND PERFORM CONCRETE REPAIRS TO THE REMAINING BACKWALL
- PEDESTRIAN RAIL - REPAIR RIGHT HORIZONTAL RAIL ELEMENTS AT PANEL POINT 17, SPAN 11.
- GUSSET PLATE - REPAIR TWO UPPER CHORD GUSSET PLATES BY ADDING SUPPLEMENTAL PLATES AND STIFFEN THE PLATE EDGES OF SEVENTEEN (17) ADDITIONAL PLATES
- FULL PAINT SIDEWALK SUPPORT ELEMENTS AND TOP CHORD/GUSSETS ADJACENT TO THE SIDEWALK IN SPANS 1 THROUGH 10 AND 12 THROUGH 15.
- FULL PAINT THE PEDESTRIAN RAILING IN ALL SPANS ALONG BOTH SIDEWALKS
- REPLACE THE APPROACH SLABS AT NEAR AND FAR ABUTMENTS
- PERFORM DECK SPALL REPAIRS AT ONE LOCATION IN BOTH SPANS 11 AND 13
- REPAIR FACE OF BRIDGE DECK CONCRETE BARRIERS
- INSTALL NEW SIDEWALK PROTECTIVE FENCE TO THE UPSTREAM AND DOWNSTREAM SIDEWALKS IN PORTIONS OF SPANS 10 AND 14 OVER THE RAILROAD



LEGEND:

- F - FIXED PIN BEARING
- EXP. - EXPANSION ROCKER BEARING
- STA. - STATION
- ➔ - TRAFFIC DIRECTION
- PNG - PEOPLES NATURAL GAS
- * - MEASURED ALONG CONSTR. C.
- U.S. - UPSTREAM
- D.S. - DOWNSTREAM

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

BMS NO. 02-3104-0030-0000; BRKEY 1876

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

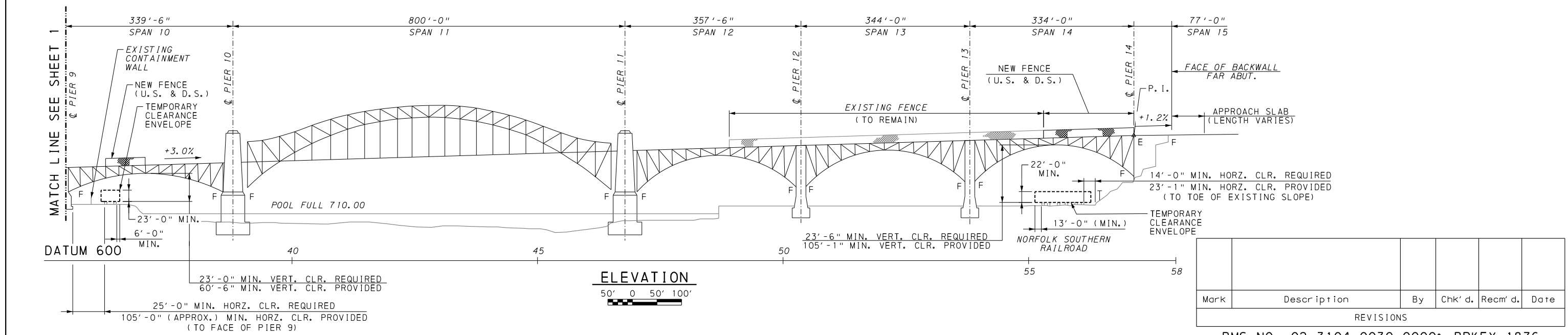
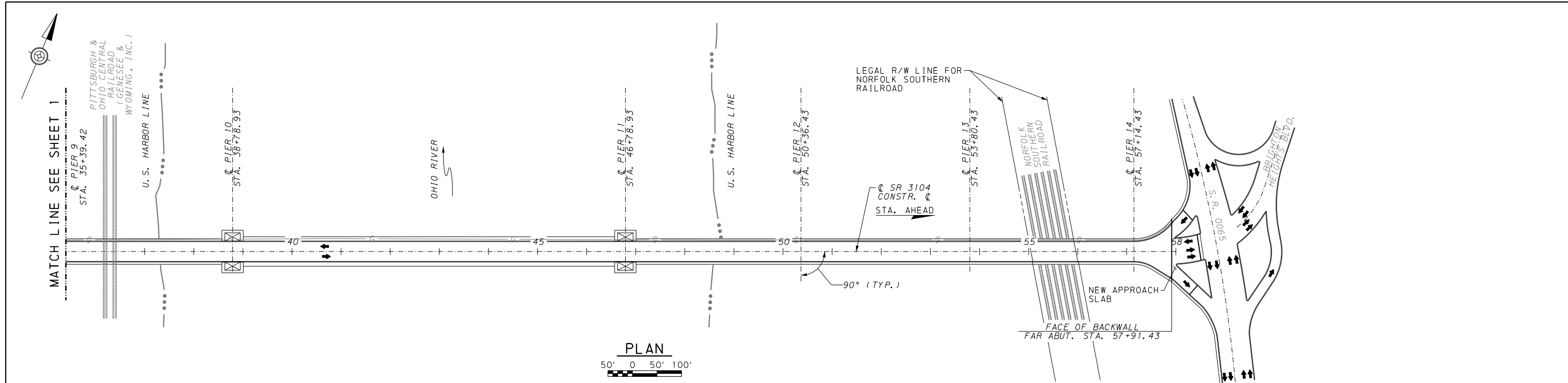
ALLEGHENY COUNTY
S.R. 3104 SECTION A03
SEGMENT 0030 OFFSET 0000
S.R. 3104 STA. 38+75
MCKEES ROCKS BRIDGE REHABILITATION
OVER OHIO RIVER & NORFOLK SOUTHERN RAILROAD

TS&L GENERAL PLAN & ELEVATION-1

RECOMMENDED _____	SHEET 1 OF 8
S-39126	

\\gfd101\is\CADD\060361 - PDT D11 E03394\WO.1\E. Prj Wk\G. CADD\TSL\SH101_TSL02.dgn
 6/4/2020 9:41:37 AM

\\gfp101\ss\CADD\060361 - PDT D11 E03394\WO_1\NE_P.rj WPK.G. CADD\TSL\SH202_TSL03.dgn
 6/16/2020 8:40:51 AM



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

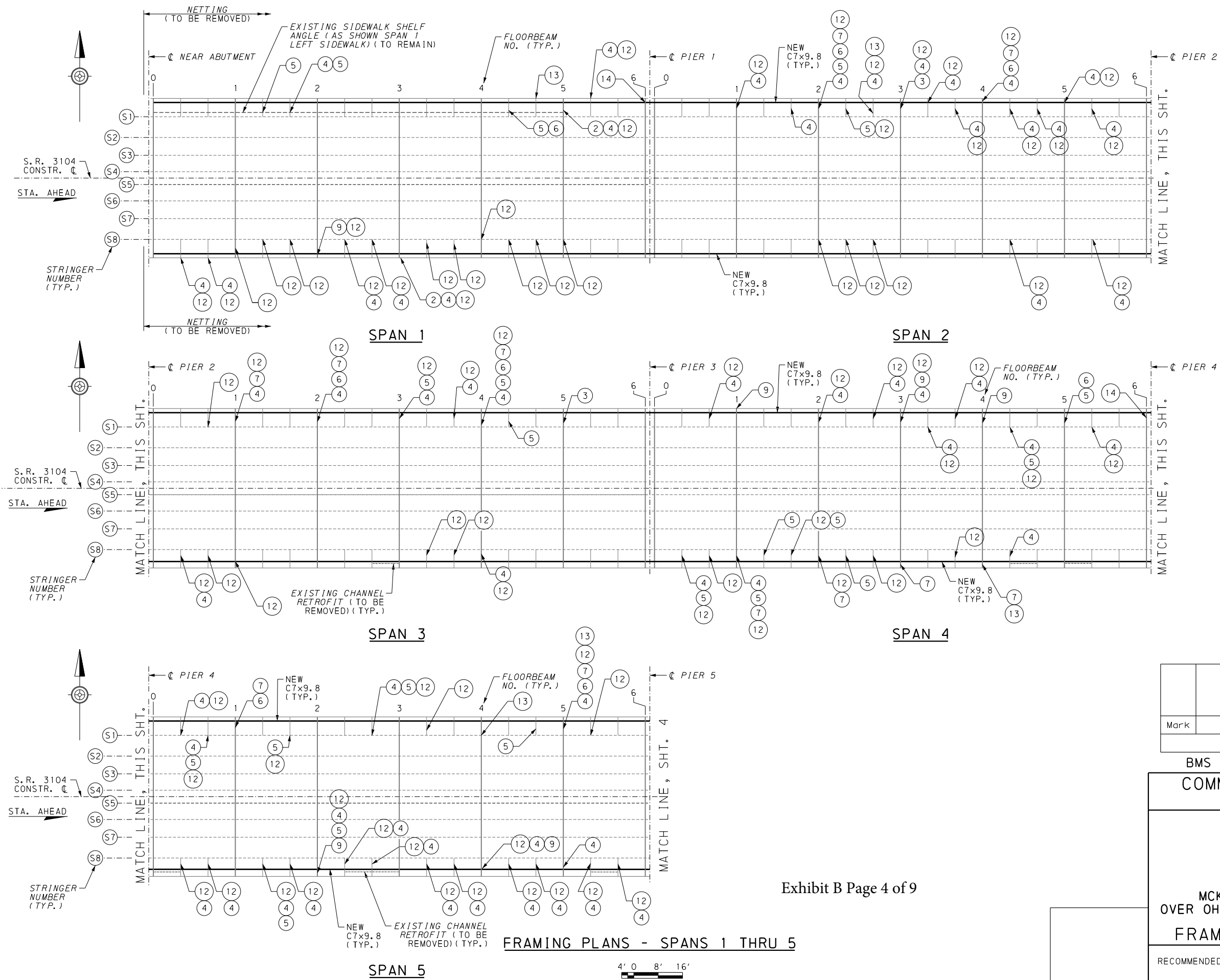
BMS NO. 02-3104-0030-0000; BRKEY 1876
COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF TRANSPORTATION
ALLEGHENY COUNTY
 S.R. 3104 SECTION A03
 SEGMENT 0030 OFFSET 0000
 S.R. 3104 STA. 38+75
MCKEES ROCKS BRIDGE REHABILITATION
 OVER OHIO RIVER & NORFOLK SOUTHERN RAILROAD
TS&L GENERAL PLAN & ELEVATION-2

RECOMMENDED _____ SHEET 2 OF 8

S-39126

NOTES:
 1. SEE SHEET 1 FOR ADDITIONAL NOTES AND LEGEND.

\\gfd101\scadd\060361 - PDT D11 E03394\WO_1\E_Prf Wkkg. CADD\TSL\SH03_FRM01.dgn
 6/4/2020 9:43:38 AM



REPAIR LEGEND:

- ② REPAIR BOTTOM CONNECTION
- ③ REPLACE BOTTOM CONNECTION
- ④ REPLACE HORIZONTAL STRUT
- ⑤ REPLACE CONNECTION PLATE AT FASCIA STRINGER
- ⑥ REPLACE STRINGER CONNECTION ANGLES
- ⑦ REPAIR FASCIA STRINGER WEB
- ⑨ REPAIR VERTICAL STRUT CONNECTION
- ⑫ REPAIR HORIZONTAL STRUT CONNECTION AT TOP CHORD
- ⑬ STRENGTHEN FASCIA STRINGER INSIDE BOTTOM FLANGE ANGLE
- ⑭ REPLACE FASCIA STRINGER SLIDER PLATE

NOTES:

1. SIDEWALK TO BE REPLACED WITH CONCRETE FILLED STEEL GRID DECKING, ON BOTH SIDES, SPANS 1 THRU 10 AND 12 THRU 15. SEE SHEET 8 FOR TYPICAL REPLACEMENT DETAIL.

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

BMS NO. 02-3104-0030-0000; BRKEY 1876

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

ALLEGHENY COUNTY
S.R. 3104 SECTION A03

SEGMENT 0030 OFFSET 0000

S.R. 3104 STA. 38+75

MCKEES ROCKS BRIDGE REHABILITATION
OVER OHIO RIVER & NORFOLK SOUTHERN RAILROAD

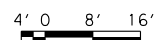
FRAMING PLAN - SPANS 1 THRU 5

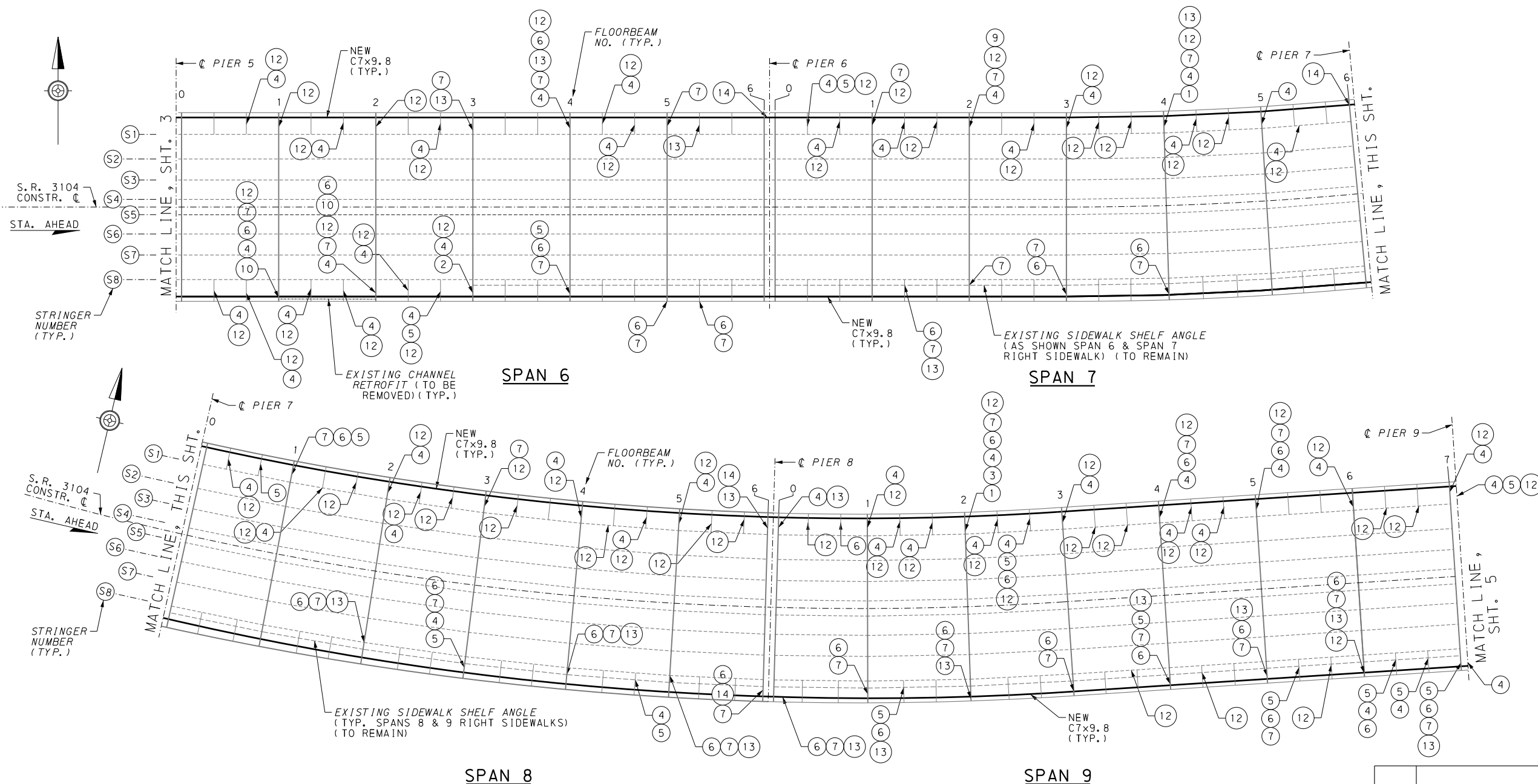
RECOMMENDED _____

SHEET 3 OF 8

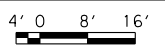
S-39126

FRAMING PLANS - SPANS 1 THRU 5





FRAMING PLANS - SPANS 6 THRU 9



NOTES:

- SIDEWALK TO BE REPLACED WITH CONCRETE FILLED STEEL GRID DECKING, ON BOTH SIDES, SPANS 1 THRU 10 AND 12 THRU 15. SEE SHEET 8 FOR TYPICAL REPLACEMENT DETAIL.

REPAIR LEGEND:

- | | |
|---------------------------------------------------|---------------------------------------------------------|
| ① REPLACE DIAGONAL STRUT | ⑦ REPAIR FASCIA STRINGER WEB |
| ③ REPLACE BOTTOM CONNECTION | ⑨ REPAIR VERTICAL STRUT CONNECTION |
| ④ REPLACE HORIZONTAL STRUT | ⑩ REPLACE VERTICAL STRUT |
| ⑤ REPLACE THE CONNECTION PLATE AT FASCIA STRINGER | ⑫ REPAIR HORIZONTAL STRUT CONNECTION AT TOP CHORD |
| ⑥ REPLACE STRINGER CONNECTION ANGLES | ⑬ STRENGTHEN FASCIA STRINGER INSIDE BOTTOM FLANGE ANGLE |
| | ⑭ REPLACE FASCIA STRINGER SLIDER PLATE |

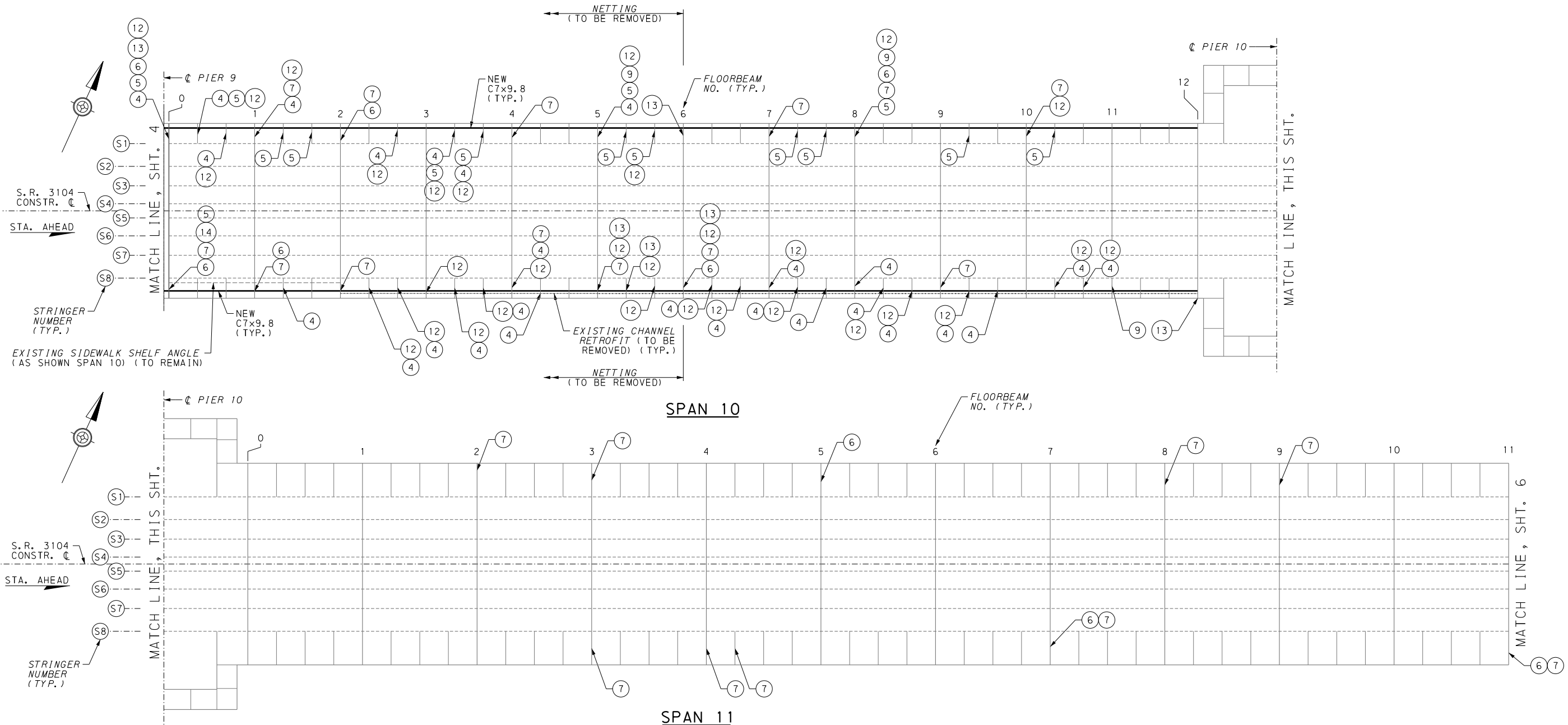
Mark	Description	By	Chk'd.	Recm'd.	Date
REVISIONS					

BMS NO. 02-3104-0030-0000; BRKEY 1876
COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF TRANSPORTATION
ALLEGHENY COUNTY
 S.R. 3104 SECTION A03
 SEGMENT 0030 OFFSET 0000
 S.R. 3104 STA. 38+75
MCKEES ROCKS BRIDGE REHABILITATION
 OVER OHIO RIVER & NORFOLK SOUTHERN RAILROAD
FRAMING PLAN - SPANS 6 THRU 9

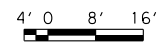
RECOMMENDED _____ SHEET 4 OF 8

S-39126

\\gfd101\is\CADD\060361 - PDT D11 E03394\WO_1\E_P\J\Wk\g. CADD\TSL\SH04_FRM02.dgn
 6/4/2020 9:44:04 AM



FRAMING PLANS - SPANS 10 & 11



REPAIR LEGEND:

- (4) REPLACE HORIZONTAL STRUT
- (5) REPLACE THE CONNECTION PLATE AT FASCIA STRINGER
- (6) REPLACE STRINGER CONNECTION ANGLES
- (7) REPAIR FASCIA STRINGER WEB
- (9) REPAIR VERTICAL STRUT CONNECTION
- (12) REPAIR HORIZONTAL STRUT CONNECTION AT TOP CHORD
- (13) STRENGTHEN FASCIA STRINGER INSIDE BOTTOM FLANGE ANGLE
- (14) REPLACE FASCIA STRINGER SLIDER PLATE

NOTES:

1. SIDEWALK TO BE REPLACED WITH CONCRETE FILLED STEEL GRID DECKING, ON BOTH SIDES, SPANS 1 THRU 10 AND 12 THRU 15. SEE SHEET 8 FOR TYPICAL REPLACEMENT DETAIL.

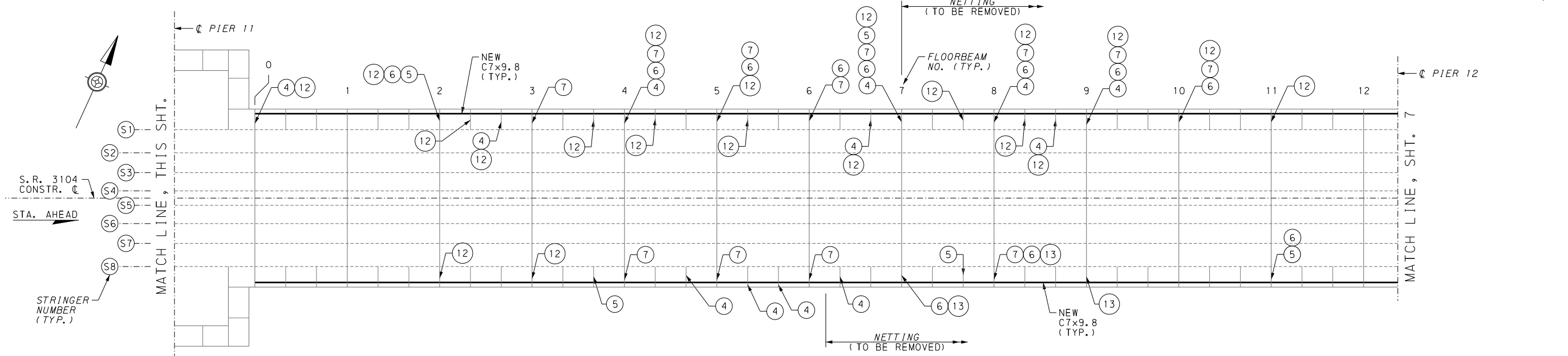
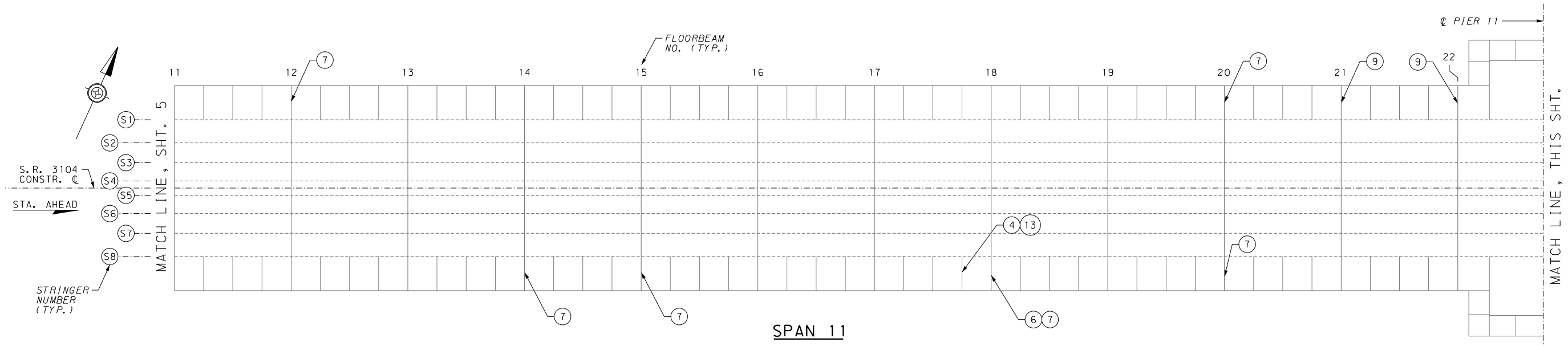
Mark	Description	By	Chk'd.	Recm'd.	Date
REVISIONS					

BMS NO. 02-3104-0030-0000; BRKEY 1876
 COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF TRANSPORTATION
 ALLEGHENY COUNTY
 S.R. 3104 SECTION A03
 SEGMENT 0030 OFFSET 0000
 S.R. 3104 STA. 38+75
 MCKEES ROCKS BRIDGE REHABILITATION
 OVER OHIO RIVER & NORFOLK SOUTHERN RAILROAD
 FRAMING PLAN - SPANS 10 & 11

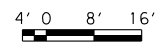
RECOMMENDED _____ SHEET 5 OF 8
 S-39126

\\gfd101\is\CADD\060361 - PDT D11 E03394\WO_1\E_P\J\Wk\g. CADD\TSL\SH05_FRM03.dgn
 6/4/2020 9:44:47 AM

\\gfd101\101\CADD\060361 - PDT D11 E03394\WO-1\E- Prj WPK\g. CADD\TSL\SH06_FRM04.dgn
 6/4/2020 9:45:30 AM



SPAN 12
FRAMING PLANS - SPANS 11 & 12



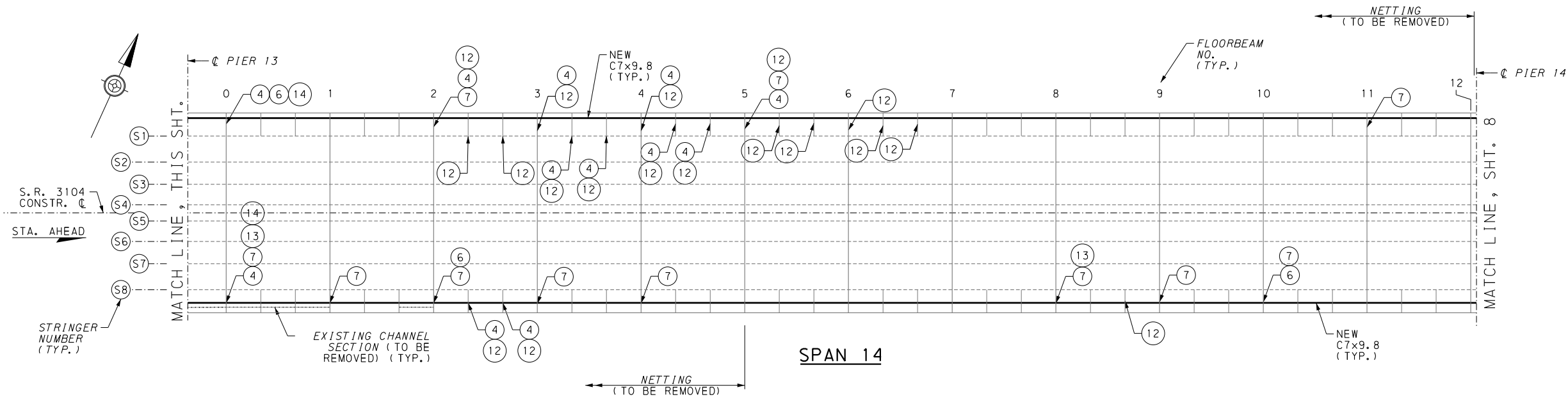
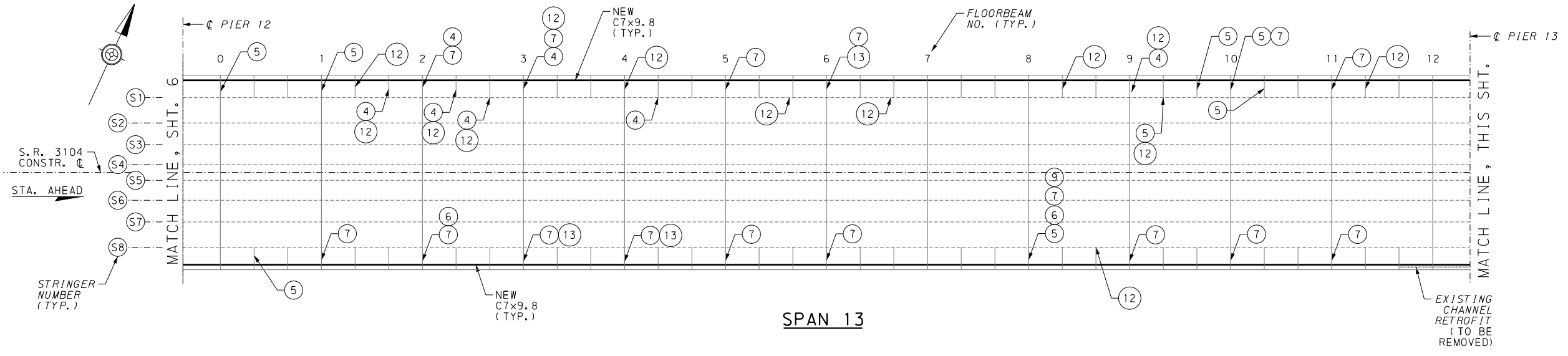
- REPAIR LEGEND:**
- (4) REPLACE HORIZONTAL STRUT
 - (5) REPLACE THE CONNECTION PLATE AT FASCIA STRINGER
 - (6) REPLACE STRINGER CONNECTION ANGLES
 - (7) REPAIR FASCIA STRINGER WEB
 - (9) REPAIR VERTICAL STRUT CONNECTION
 - (12) REPAIR HORIZONTAL STRUT CONNECTION AT TOP CHORD
 - (13) STRENGTHEN FASCIA STRINGER INSIDE BOTTOM FLANGE ANGLE

- NOTES:**
1. SIDEWALK TO BE REPLACED WITH CONCRETE FILLED STEEL GRID DECKING, ON BOTH SIDES, SPANS 1 THRU 10 AND 12 THRU 15. SEE SHEET 8 FOR TYPICAL REPLACEMENT DETAIL.

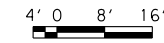
Mark	Description	By	Chk'd.	Recm'd.	Date
REVISIONS					

BMS NO. 02-3104-0030-0000; BRKEY 1876
COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF TRANSPORTATION
ALLEGHENY COUNTY
 S.R. 3104 SECTION A03
 SEGMENT 0030 OFFSET 0000
 S.R. 3104 STA. 38+75
MCKEES ROCKS BRIDGE REHABILITATION
 OVER OHIO RIVER & NORFOLK SOUTHERN RAILROAD
FRAMING PLAN - SPANS 11 & 12

RECOMMENDED _____
 SHEET 6 OF 8
 S-39126



FRAMING PLANS - SPANS 13 & 14



REPAIR LEGEND:

- ② REPAIR BOTTOM CONNECTION
- ④ REPLACE HORIZONTAL STRUT
- ⑤ REPLACE THE CONNECTION PLATE AT FASCIA STRINGER
- ⑥ REPLACE STRINGER CONNECTION ANGLES
- ⑦ REPAIR FASCIA STRINGER WEB
- ⑨ REPAIR VERTICAL STRUT CONNECTION
- ⑫ REPAIR HORIZONTAL STRUT CONNECTION AT TOP CHORD
- ⑬ STRENGTHEN FASCIA STRINGER INSIDE BOTTOM FLANGE ANGLE
- ⑭ REPLACE FASCIA STRINGER SLIDER PLATE

NOTES:

1. SIDEWALK TO BE REPLACED WITH CONCRETE FILLED STEEL GRID DECKING, ON BOTH SIDES, SPANS 1 THRU 10 AND 12 THRU 15. SEE SHEET 8 FOR TYPICAL REPLACEMENT DETAIL.

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

BMS NO. 02-3104-0030-0000; BRKEY 1876

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

ALLEGHENY COUNTY
S.R. 3104 SECTION A03

SEGMENT 0030 OFFSET 0000

S.R. 3104 STA. 38+75

MCKEES ROCKS BRIDGE REHABILITATION
OVER OHIO RIVER & NORFOLK SOUTHERN RAILROAD

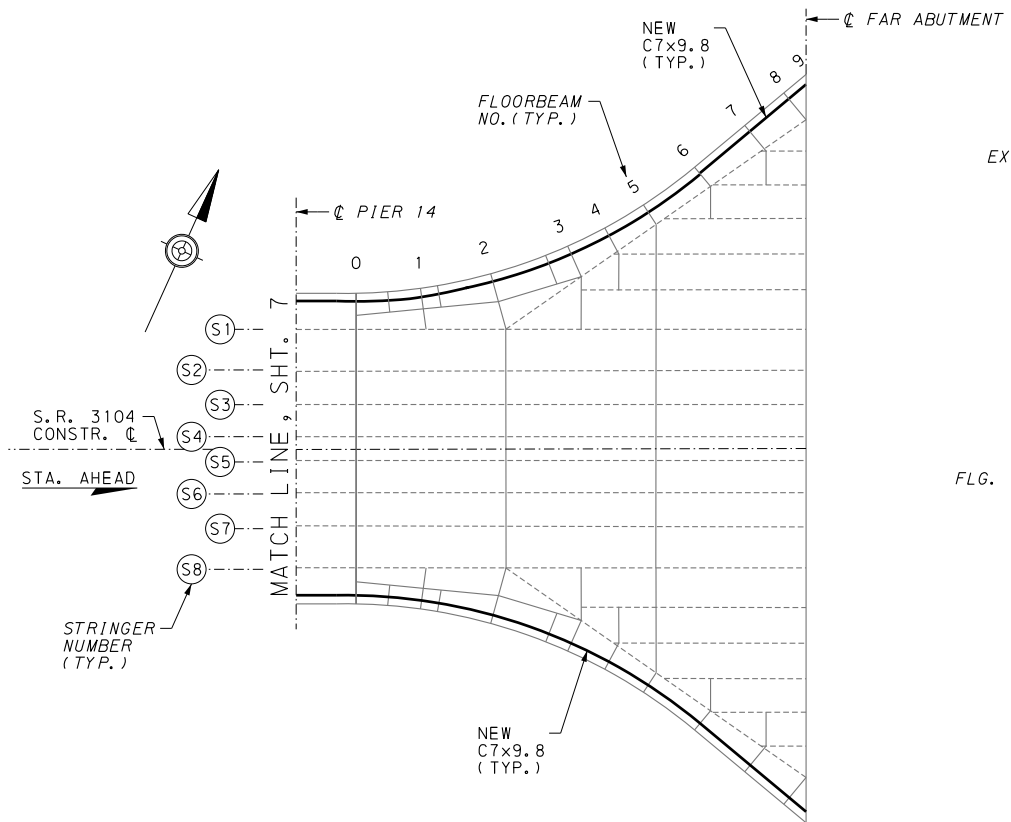
FRAMING PLAN - SPANS 13 & 14

RECOMMENDED _____

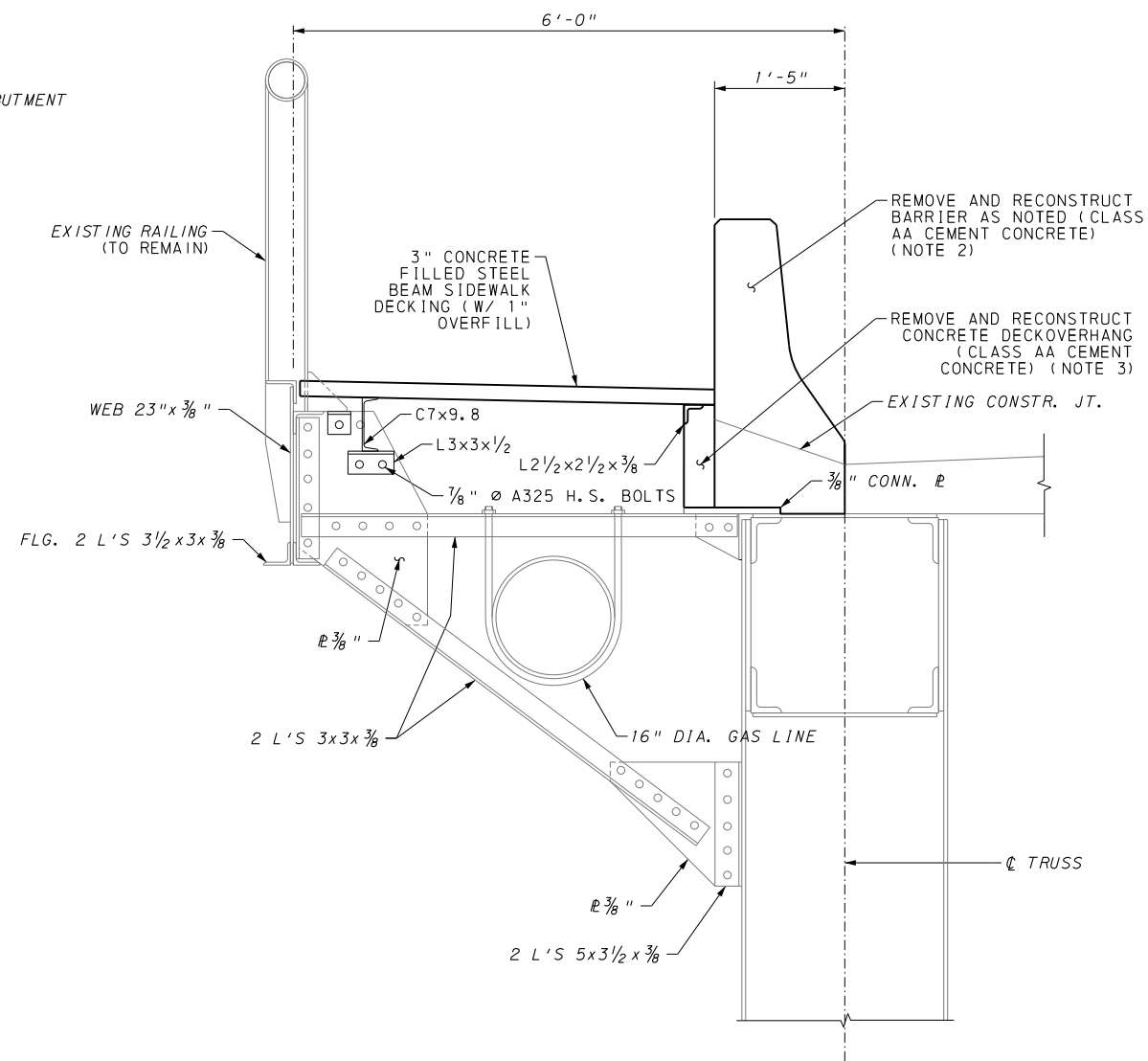
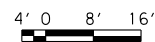
SHEET 7 OF 8

S-39126

\\gfd10101\cadd\060361 - PDT D11 E03394\MO.I.E. - P1 J Wk.Vg. CADD\TSL\SHTOT_FRM05.dgn
 6/4/2020 9:45:59 AM



FRAMING PLAN - SPAN 15



TYPICAL SIDEWALK REPLACEMENT DETAIL

(SPAN 8, LEFT, SHOWN - OTHER SPANS SIMILAR)



NOTES:

- SIDEWALK TO BE REPLACED WITH CONCRETE FILLED STEEL GRID DECKING, ON BOTH SIDES, SPANS 1 THRU 10 AND 12 THRU 15. SEE THIS SHEET FOR TYPICAL REPLACEMENT DETAIL.
- BARRIER REPLACEMENT LOCATIONS ARE AS FOLLOWS:
- SPANS 2 THRU 9 - DOWNSTREAM SIDE
- REPLACE CONCRETE DECK OVERHANG IN SPAN 1 THRU 10 AND 12 THRU 15, BOTH UPSTREAM AND DOWNSTREAM SIDES. WHERE THE BARRIER IS BEING REPLACED, THIS WILL BE INCORPORATED AS PART OF BARRIER REMOVAL AND RECONSTRUCTION.

Exhibit B Page 9 of 9

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

BMS NO. 02-3104-0030-0000; BRKEY 1876

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF TRANSPORTATION

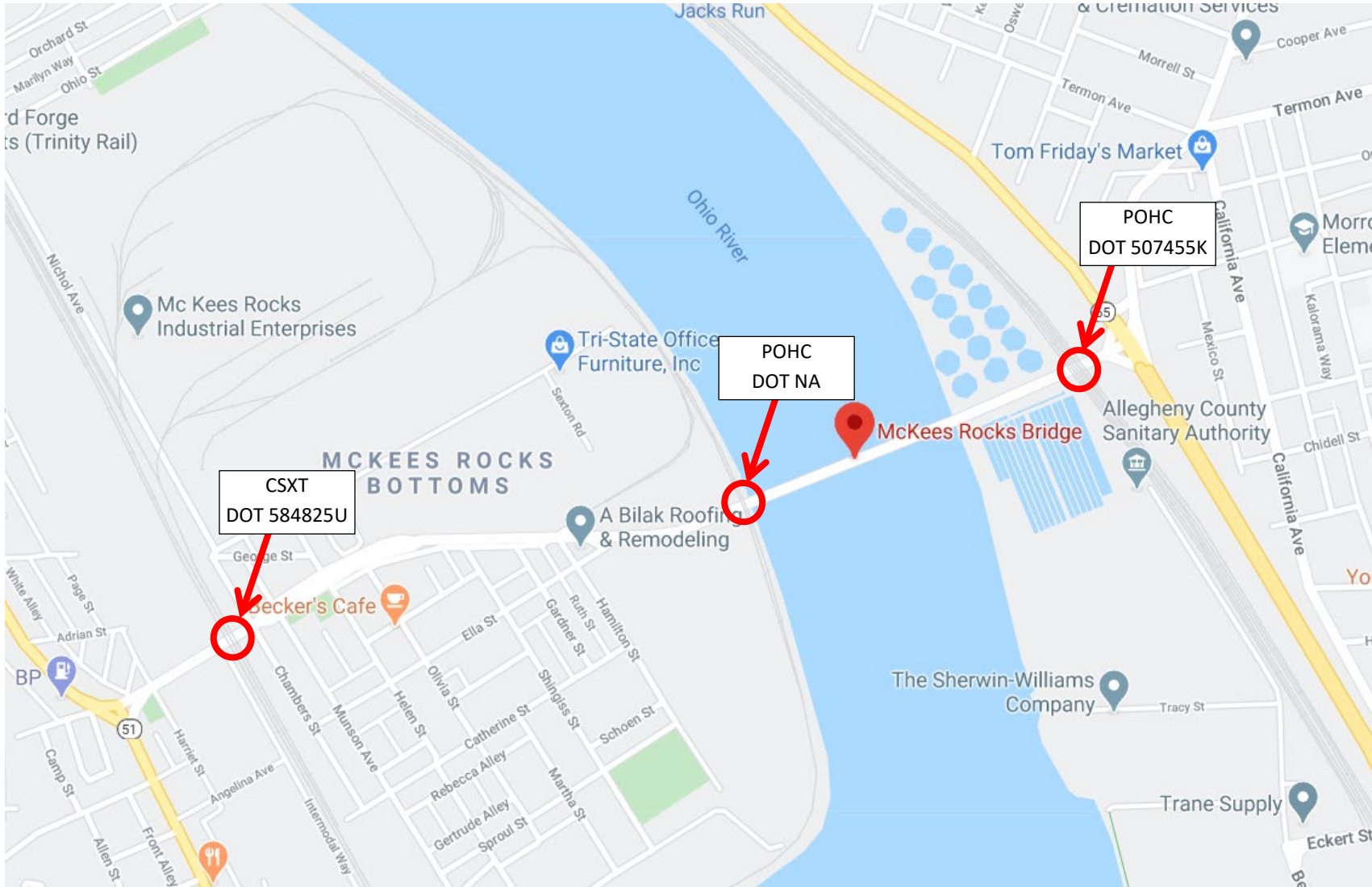
ALLEGHENY COUNTY
S.R. 3104 SECTION A03
SEGMENT 0030 OFFSET 0000
S.R. 3104 STA. 38+75
MCKEES ROCKS BRIDGE REHABILITATION
OVER OHIO RIVER & NORFOLK SOUTHERN RAILROAD
FRAMING PLAN - SPAN 15

RECOMMENDED _____

SHEET 8 OF 8

S-39126

Project Location Map



Allegheny County
SR 3014-A03 McKees Rocks Bridge

EXHIBIT A