

November 7, 2019

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

RE: M-2013-2364201, I-2015-2472242

Dear Secretary Chiavetta:

Enclosed for filing please find the Department's *Comments and Objections to the Final Repair Plans*, in the above captioned matter.

I hereby certify that a copy has been sent to all parties of record as indicated by the Certificate of Service.

Very truly yours,

Jennifer Brown-Sweeney Assistant Counsel

Cc: Parties of Record

Daniel Leonard, P.E., Acting Chief, Utilities and Right-of-Way Section Sarah J. Fenton, District Grade Crossing Engineer, District 4-0 Rick Cooper, District Grade Crossing Engineer, Engineer, District 4-0

BEFORE THE PENNSYLVANIA PUBLIC UTILITY COMMISSION

Bridge structure where State Route 1025, crosses over: M-2013-2364201

a single track of Canadian Pacific Railroad (264 293 : Electronically Filed

K) in Nicholson Borough, Wyoming County

Investigation upon the Commission's own motion to determine the condition and disposition I-2015-2472242

of six (6) existing structures carrying various
highways above the grade of the tracks of the

Canadian Pacific Railroad in Great Bend Township, New Milford Township, Brooklyn Township, Hop Bottom Borough, Lathrop Township, Susquehanna

County and Benton Township, Lackawanna County :

COMMONWEALTH OF PENNSYLVANIA, DEPARTMENT OF TRANSPORTATION'S COMMENTS AND OBJECTIONS TO THE FINAL REPAIR PLANS FOR S.R. 1025, S.R. 2032, AND S.R. 2041

The Commonwealth of Pennsylvania, Department of Transportation, by and through their undersigned counsel, hereby provides these comments and objections to the Final Repair Plans offered by Norfolk Southern Railway Company for state routes 1025, 2032, and 2041, as follows:

1. S.R. 2032

- a) It appears that the existing steel fence posts will need to be removed to repair the spandrel walls. Provide new protective fence as per PennDOT Standard Drawing BC-701M, which is attached as Exhibit A.
- b) Provide a crash worthy, properly anchored traffic barrier in accordance with PennDOT Standard Drawings. Include bridge barrier to guide rail connections and approach guide rail at the 4 corners of the barrier. Refer to PennDOT Standard Drawing BC-739M & BC-703M, attached as Exhibits B1 and B2, respectively.

2. S.R. 2041

- a) Repair the Far Right and Far Left Concrete End Posts. They are deteriorated with reinforcement bars exposed.
- b) Provide bridge barrier to guide rail transition connections at the 4 corners of the bridge. Current transitions to bridge do not meet current standards due to low height and

not being gradually stiffened. In addition, there is minor collision damage at the near left transition. Refer to PennDOT Standard Drawing BC-739M & BC-703M, previously referenced as Exhibits B1 and B2, attached.

3. <u>S.R. 1025</u>

- a) Provide bridge barrier to guide rail connections, approach guide rail and end treatments at the 4 corners of the bridge. Refer to PennDOT Standard Drawing BC-739M & BC-703M, previously referenced as Exhibits B1 and B2, attached.
- b) Refer to S.R. 1025 Plan Set Sheet 10 of 10. Change the title of the "Existing Plan" detail to read "Existing Typical Section". Also, this detail shows what can be interpreted as a concrete deck below the wearing surface and under the proposed barriers. We have no plans indicating a deck is present above the spandrel walls. Revise this detail to show the proposed barrier on top of the existing spandrel wall and remove the lines representing the "deck" from the detail. The arch ring should be added under the spandrel walls across the entire section. See markup attached as Exhibit C. Consider constructing a vertical wall barrier integral with a moment slab that sits on top of the repaired spandrel walls in order to provide a crash worthy, properly anchored bridge barrier; the proposed details on Sheet 10 of 10 do not follow PennDOT standard drawings for bridge barrier. See attached BD-627, which is attached as Exhibit D, showing the moment slab/barrier details.

Respectfully Submitted,

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION

Jenniler Brown-Sweeney

Assistant Counsel

Commonwealth of Pennsylvania

Department of Transportation

Office of Chief Counsel

P.O. Box 8212

Harrisburg, PA 17105-8212

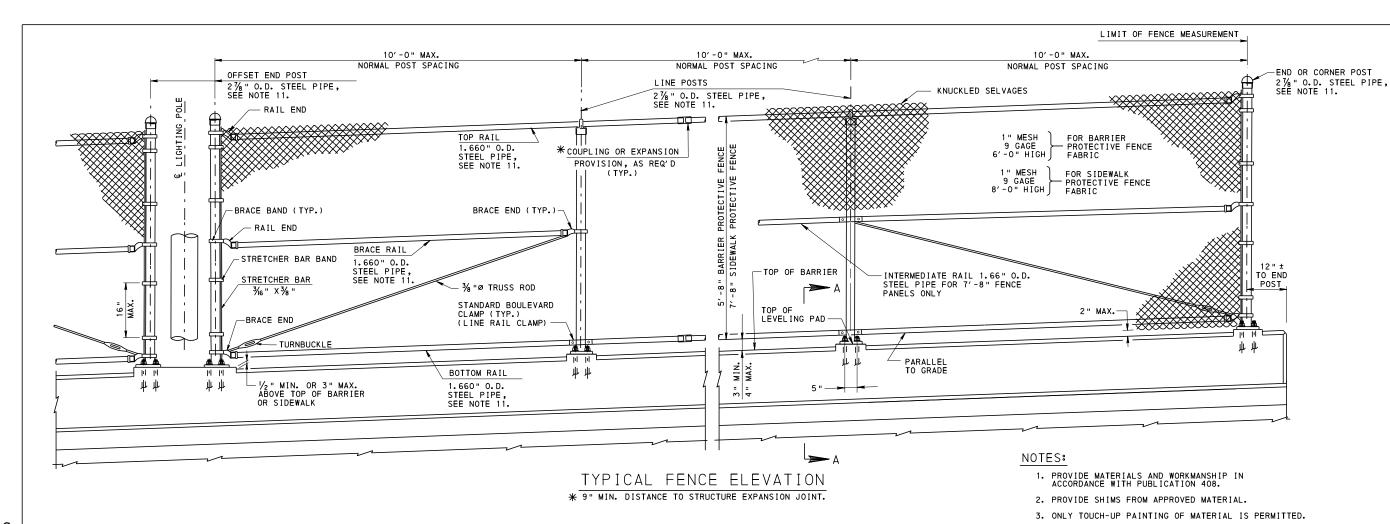
Telephone No. (717) 787-3128

Fax Number (717) 772-2741

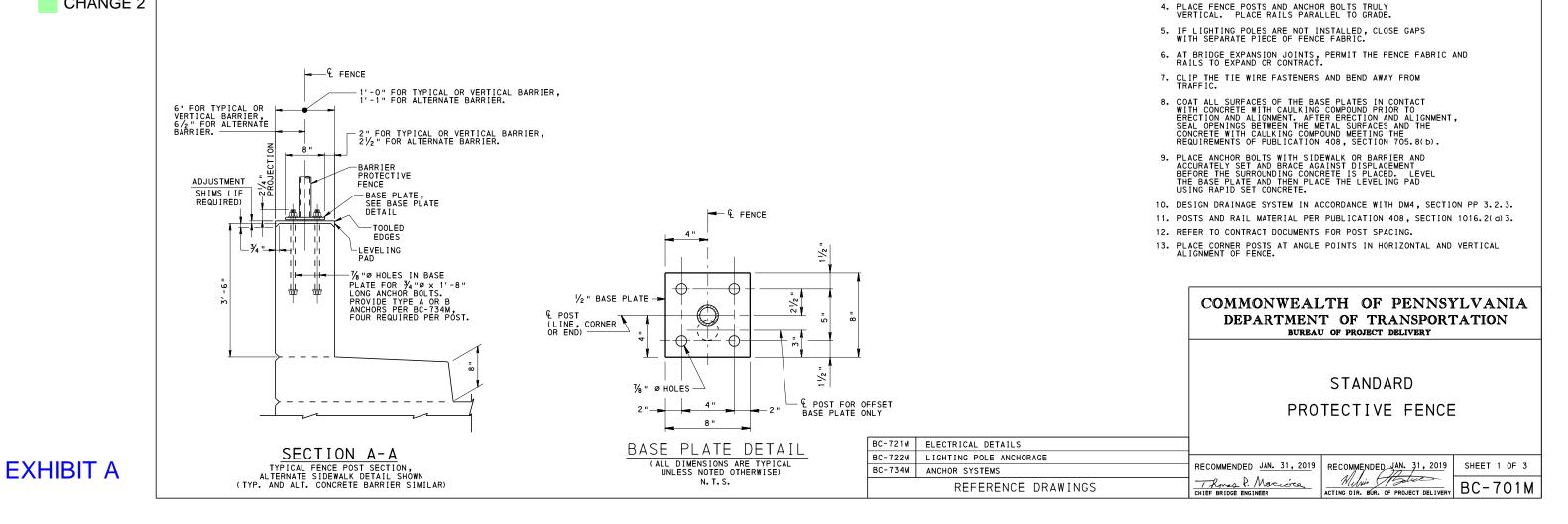
Pennsylvania Attorney I.D. Number 314884

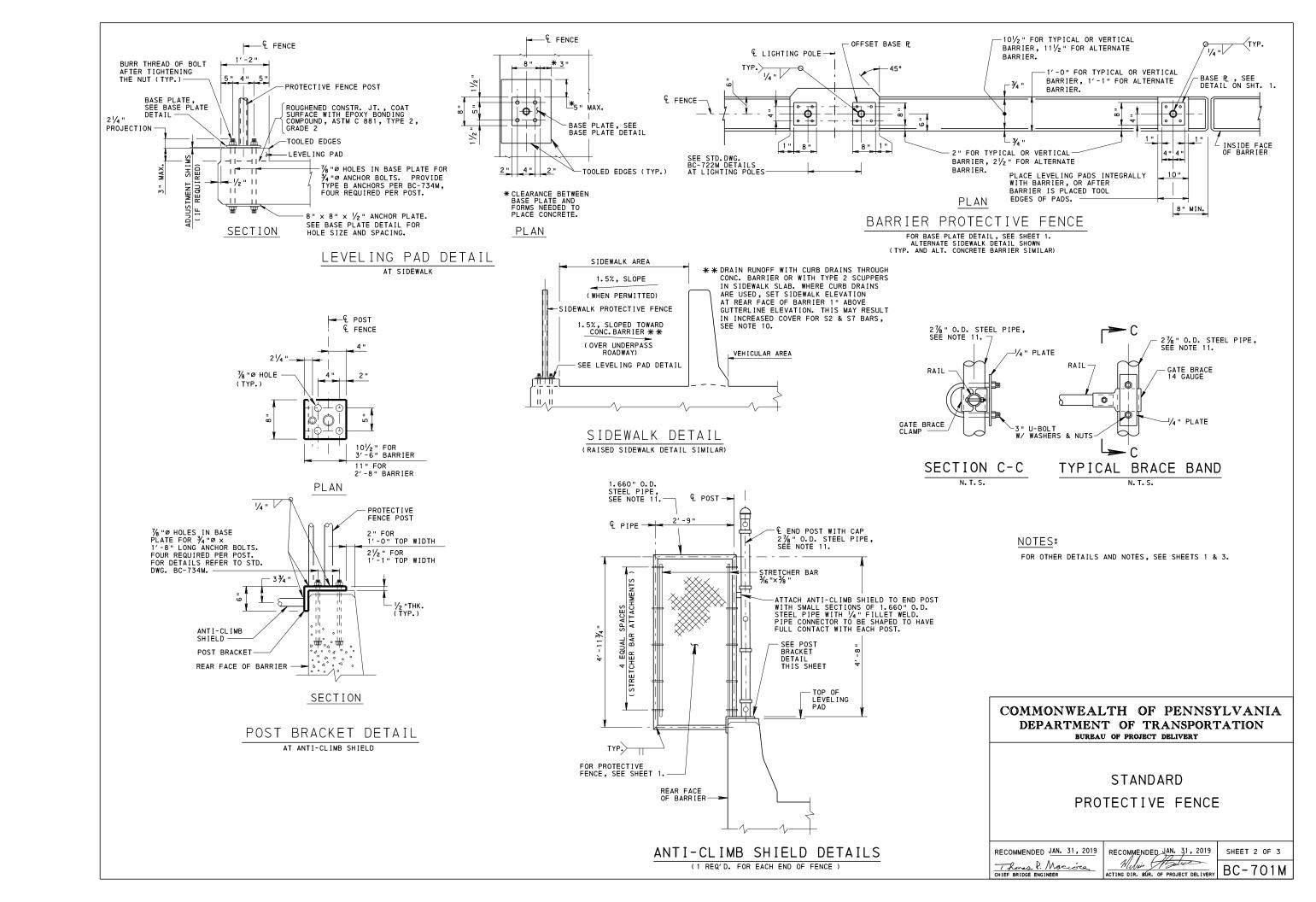
jbrownswee@pa.gov

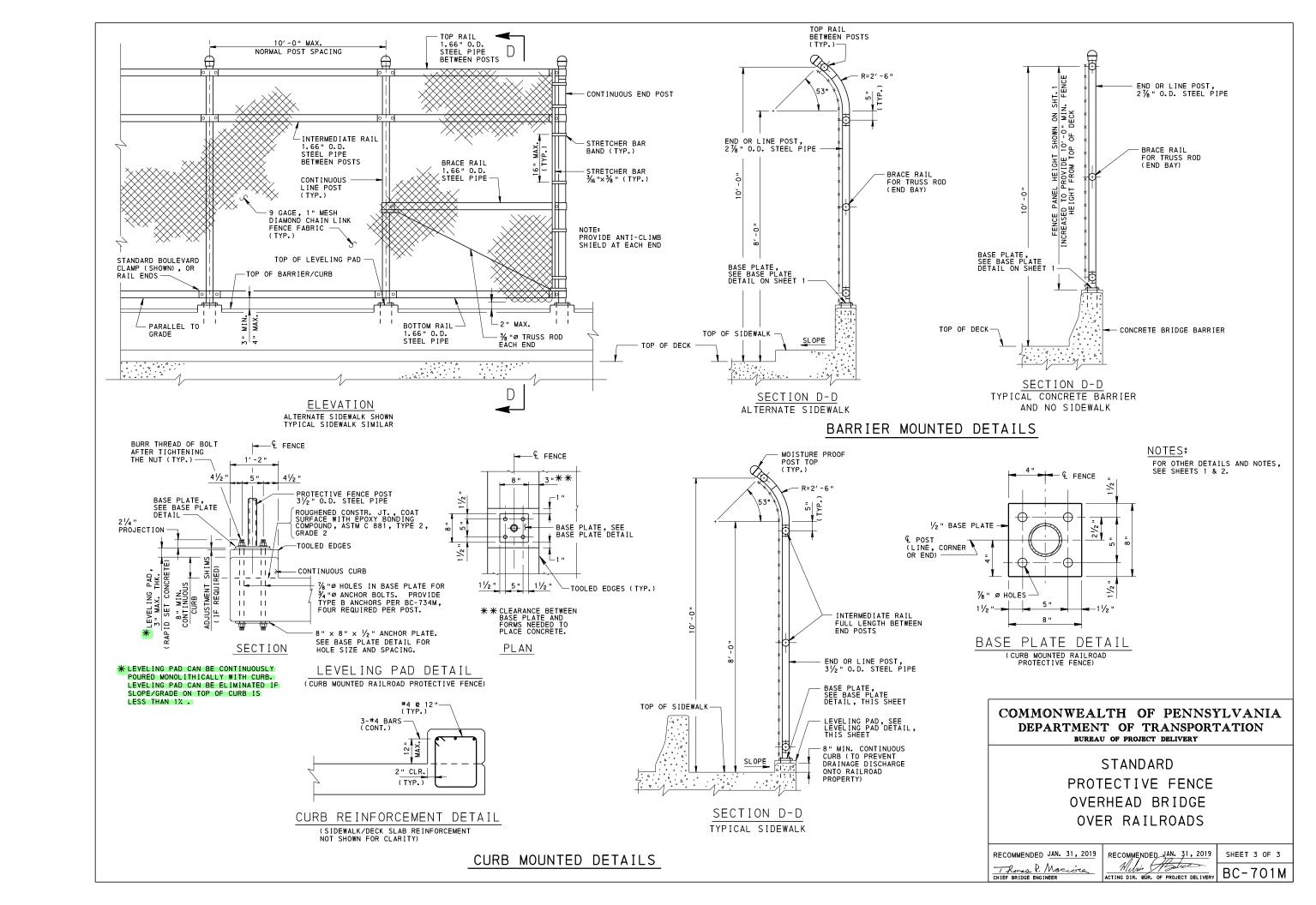
DATED: November 7, 2019

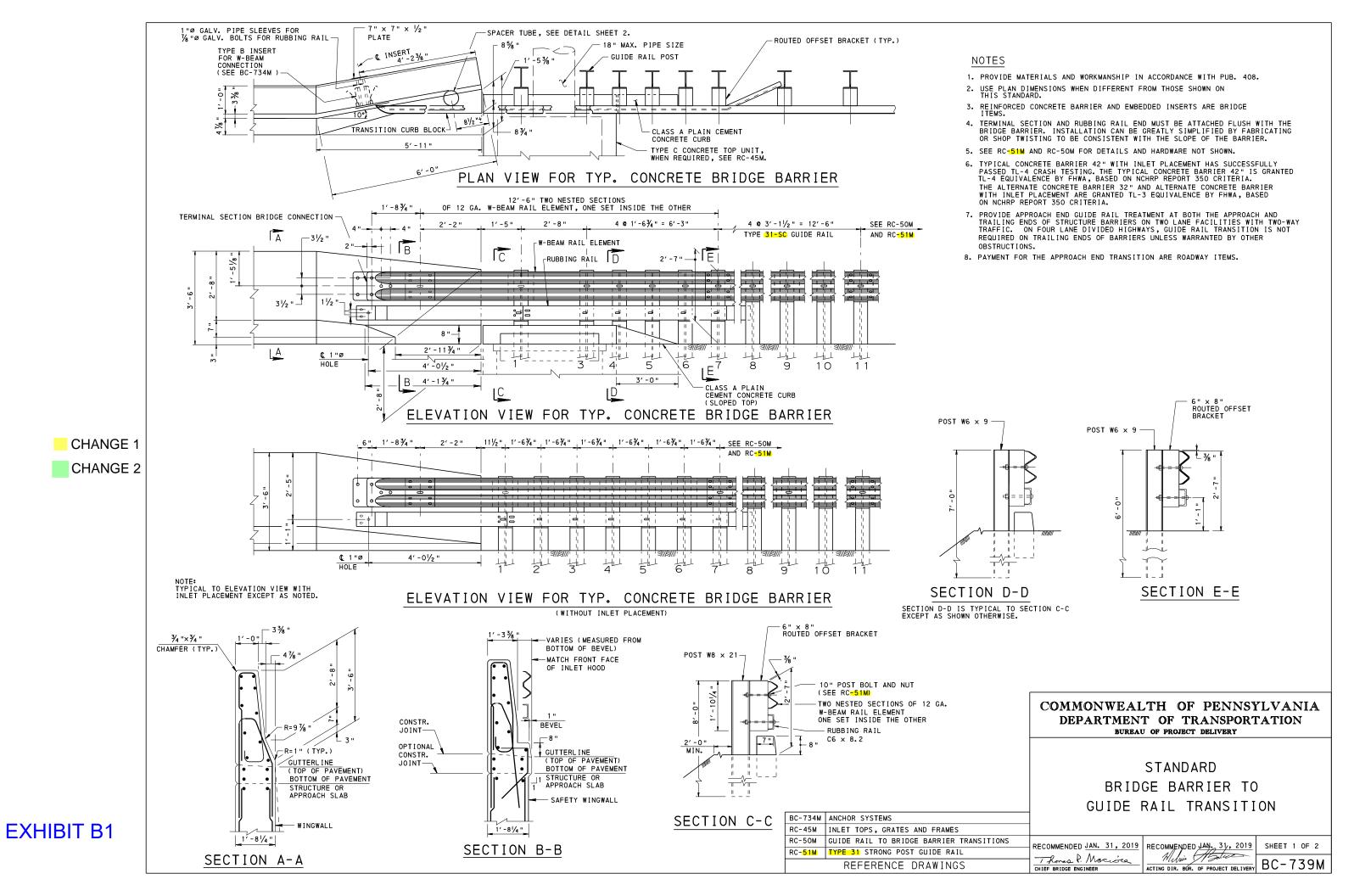


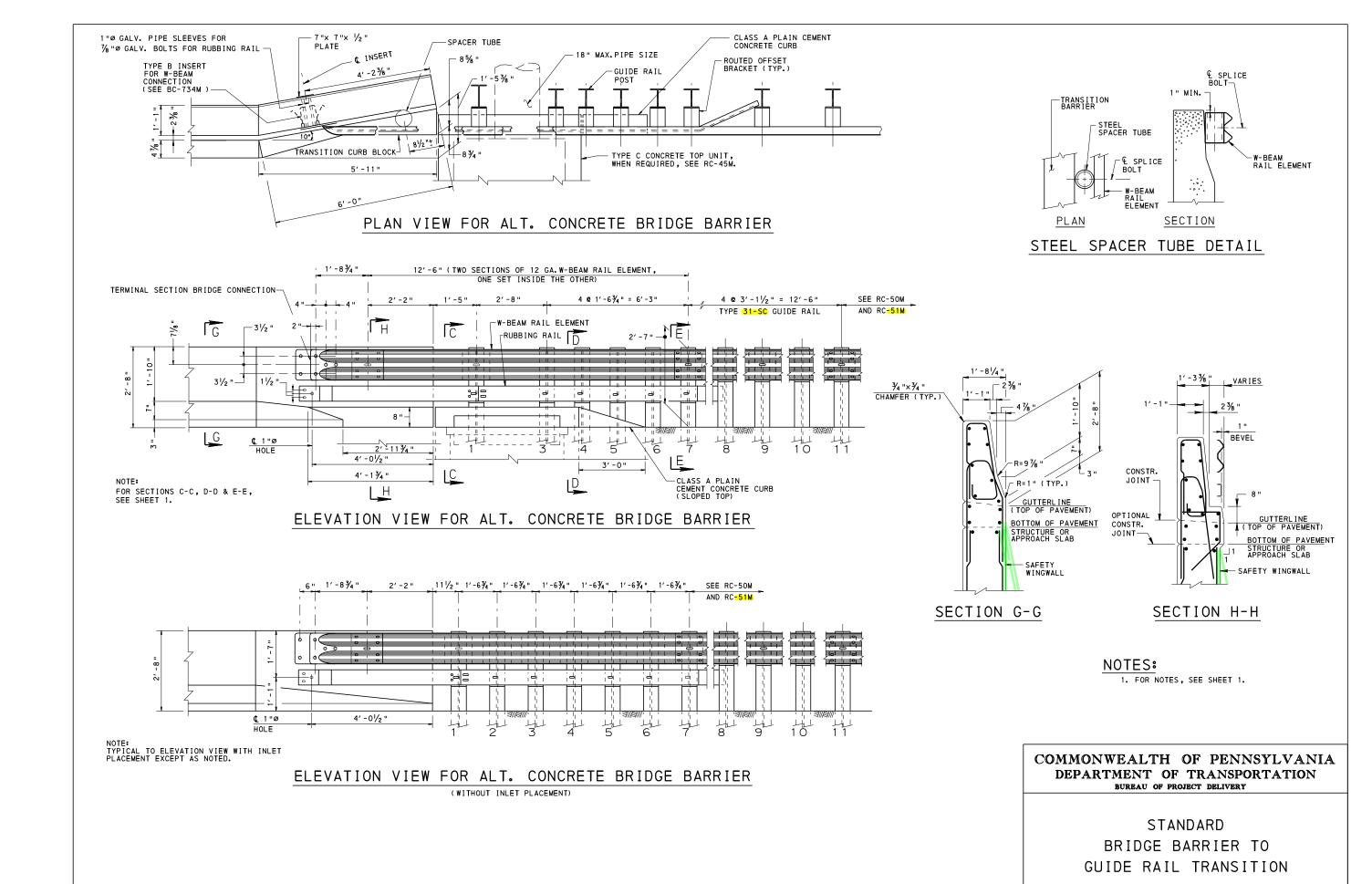
CHANGE 2











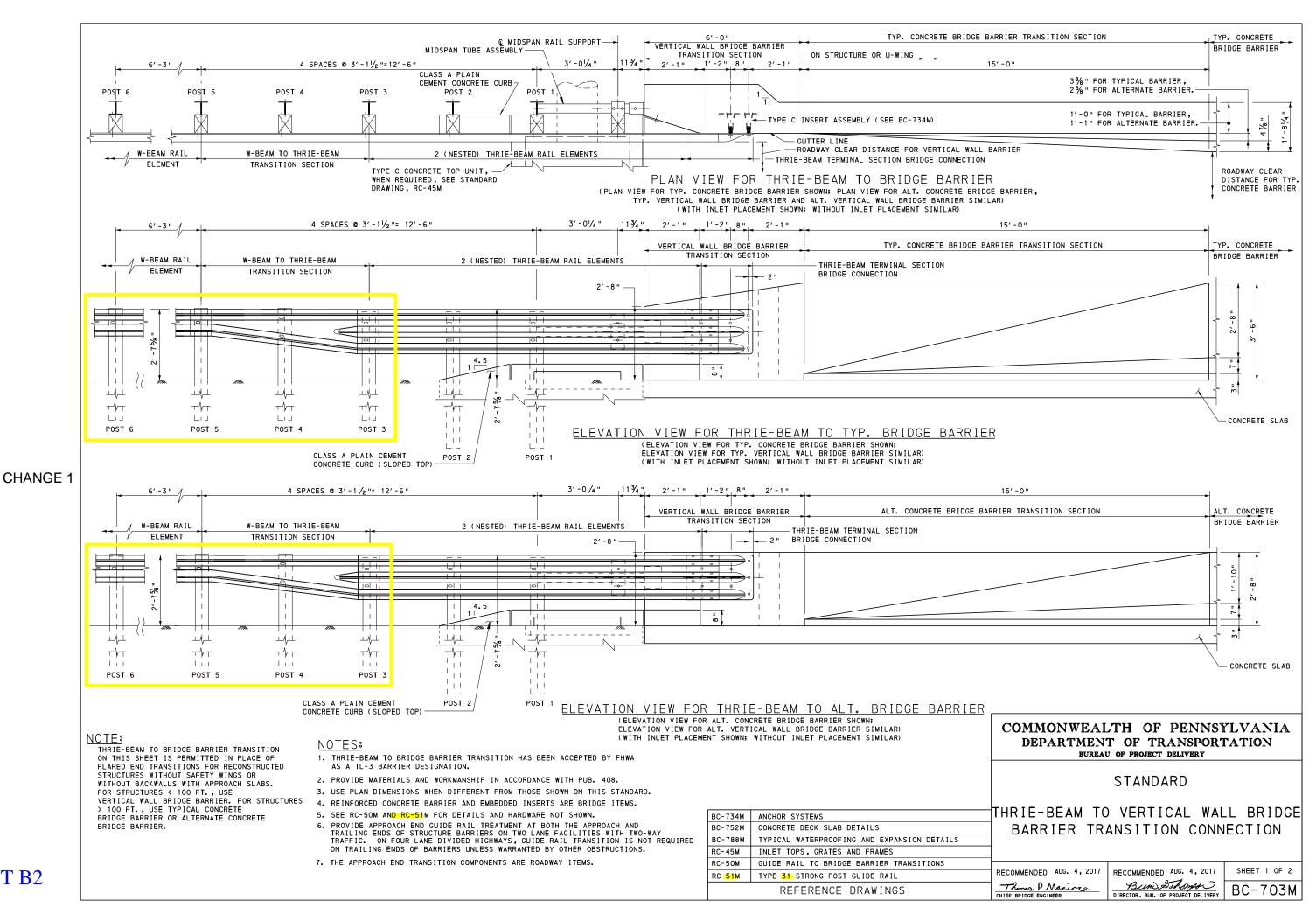
RECOMMENDED JAN. 31, 2019

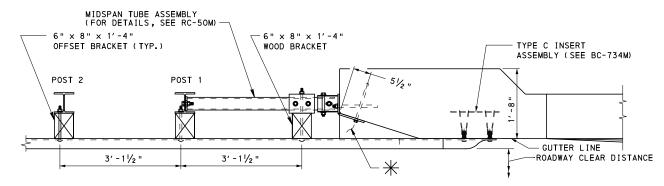
RECOMMENDED JAN. 31, 2019

RECOMMENDED JAN. 31, 2019

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BC - 739M

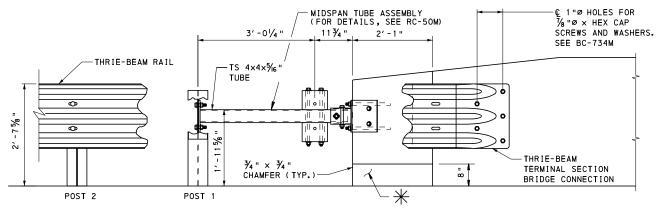




TRANSITION CONNECTION PLAN

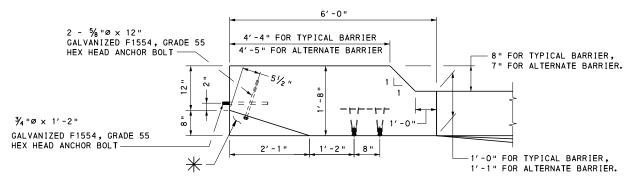
(AT TYP. CONCRETE BRIDGE BARRIER SHOWN;

AT ALT. CONCRETE BRIDGE BARRIER AND VERTICAL WALL BRIDGE BARRIERS SIMILAR)



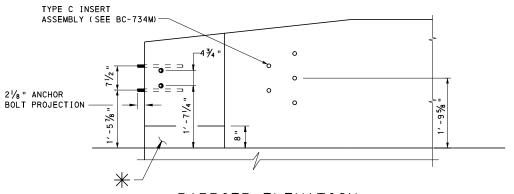
TRANSITION CONNECTION ELEVATION

(AT TYP. CONCRETE BRIDGE BARRIER SHOWN; AT ALT. CONCRETE BRIDGE BARRIER AND VERTICAL WALL BRIDGE BARRIERS SIMILAR)



* -DETAILS SHOWN INCLUDE CURB FOR INLET PLACEMENT.
DELETE CURB IF NO INLET IS PRESENT.

BARRIER PLAN (AT TYP. CONCRETE BRIDGE BARRIER SHOWN; AT ALT. CONCRETE BRIDGE BARRIER AND VERTICAL WALL BRIDGE BARRIER SIMILAR)



BARRIER ELEVATION

(AT TYP. CONCRETE BRIDGE BARRIER SHOWN;
AT ALT. CONCRETE BRIDGE BARRIER AND VERTICAL WALL BRIDGE BARRIERS SIMILAR)

NOTES:

- 1. FOR ADDITIONAL NOTES, SEE SHEET 1.
- 2. FOR APPROACH TRANSITION POST DETAILS, SEE RC-50M.

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION BUREAU OF PROJECT DELIVERY

STANDARD

THRIE-BEAM TO VERTICAL WALL BRIDGE BARRIER TRANSITION CONNECTION

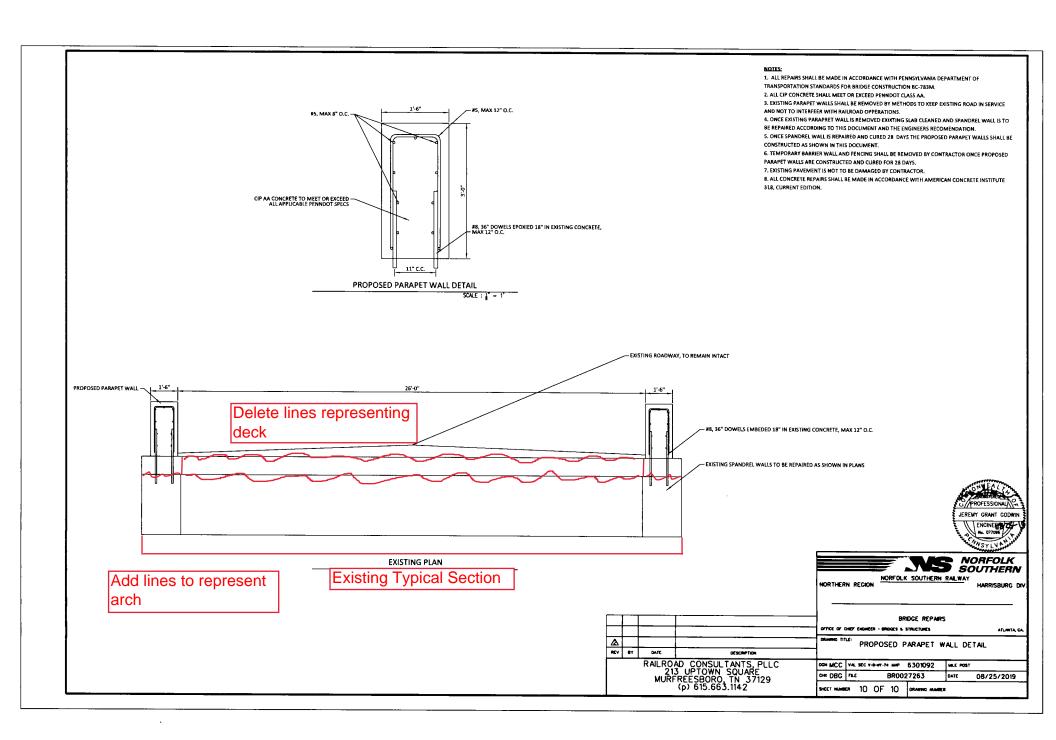
RECOMMENDED AUG. 4, 2017

RECOMMENDED AUG. 4, 2017 Bun & Thomps

SHEET 2 OF 2 BC-703M

Thomas P Macioca
CHIEF BRIDGE ENGINEER

DIRECTOR, BUR. OF PROJECT DELIVERY



GENERAL NOTES:

- DESIGN SPECIFICATIONS:

 BARRIER AND MOMENT SLAB DESIGNED IN ACCORDANCE WITH THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 1992 (INCLUDING THE 1993 AND 1994 INTERIM SPECIFICATIONS), AND AS SUPPLEMENTED BY THE DESIGN MANUAL,

 PART 4, STRUCTURES, AUGUST 1993 EDITION (INCLUDING LATEST REVISIONS).
- 2. CONSTRUCTION SPECIFICATIONS AND WORK QUALITY:
 PROVIDE MATERIALS AND PERFORM WORK IN ACCORDANCE WITH THE CURRENT VERSION OF THE PENNSYLVANIA DEPARTMENT OF TRANSPORTATION PUBLICATION 408, AND THE CONTRACT SPECIAL PROVISIONS.
- 3. ALL DIMENSIONS SHOWN ARE HORIZONTAL, EXCEPT AS NOTED.
- 4. DIMENSIONS SHOWN ARE FOR A NORMAL TEMPERATURE OF 68 DEGREES E.
- 5. REINFORCEMENT IN SOME SECTIONS IS NOT SHOWN FOR CLARITY.
- 6. IF NEEDED DETAILS ARE NOT FOUND IN THIS STANDARD, A SPECIAL SUBMISSION REQUESTING APPROVAL FOR SPECIFIC DETAILS MUST BE MADE TO THE CHIEF BRIDGE ENGINEER.

MATERIAL NOTES:

- 1. CAST-IN-PLACE CONCRETE:
 - PROVIDE CLASS AA CEMENT CONCRETE IN THE MOMENT SLAB, BARRIERS, AND TOE WALLS.
- 2. PRECAST CONCRETE BARRIERS:
 - CLASS AA CEMENT CONCRETE, MODIFIED FURNISH PRECAST BARRIERS IN ACCORDANCE
 WITH THE REQUIREMENTS OF PUBLICATION 408, SECTION 714, EXCEPT PROVIDE
 CONCRETE HAVING A 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI WHEN TESTED IN ACCORDANCE WITH PTM NO. 604.
- 3. REINFORCEMENT STEEL:
 - INFORCEMENT STEEL:

 PROVIDE GRADE 60 DEFORMED REINFORCING STEEL BARS THAT MEET THE
 REQUIREMENTS OF ASTM A615, ASTM A996, OR A706.

 DO NOT WELD REINFORCEMENT BARS. DO NOT USE RAIL STEEL A996 IN
 BARRIERS OR WHERE BENDING OR WELDING OF REINFORCEMENT BARS IS INDICATED.

 EPOXY COAT ALL REINFORCEMENT BARS.

 - PROVIDE MINIMUM LAP AND EMBEDMENT LENGTH FOR REINFORCING BARS IN ACCORDANCE

INSTRUCTIONS TO DESIGNERS:

- 1. THE INFORMATION SHOWN IN THIS STANDARD IS PROVIDED FOR USE IN THE DEVELOPMENT OF THE CONTRACT DRAWINGS. THE DESIGNER IS RESPONSIBLE FOR THE PRESENTATION OF ALL REQUIRED DETAILS AND NOTES.
- 2. DESIGN COMPUTATIONS ARE NOT REQUIRED FOR THE MOMENT SLAB AND BARRIER CONFIGURATIONS SHOWN ON THIS STANDARD. WHERE CONDITIONS AND/OR DETAILS DIFFER FROM THE STANDARD, COMPLETE DESIGN COMPUTATIONS MUST BE SUBMITTED TO THE DEPARTMENT. SUCH SPECIAL DESIGNS MUST PROVIDE ULTIMATE STRENGTH EQUAL TO THE DESIGN PROVIDED
- 3. DESIGNER TO DETAIL ONLY CAST-IN-PLACE BARRIERS ON THE CONTRACT PLANS. PRECAST BARRIER OPTION IS ONLY PERMITTED AS A CONTRACTOR ALTERNATE.
- 4. CONTRACT DRAWINGS:
 - PREPARE CONTRACT DRAWINGS IN ACCORDANCE WITH THE DESIGN MANUAL, PART 4,
 - THIS STANDARD AND OTHER PENNDOT STANDARDS. PROVIDE COMPLETE DETAILS AND NOTES AS REQUIRED.
 - . PROVIDE STAKE OUT PLAN.

 - PROVIDE COMPLETE REINFORCEMENT BAR DETAILS AND BAR SCHEDULE.
 PROVIDE TOP OF SLAB (OR ROADWAY) ELEVATIONS AT ALL TRANSVERSE JOINT LOCATIONS.
 PROVIDE ELEVATIONS AT GUTTER LINES AND EDGE OF MOMENT SLAB.
- - PROVIDE SEPARATE PAY ITEMS AND INDICATE THE APPROXIMATE QUANTITY FOR CONCRETE,
 REINFORCEMENT, PROTECTIVE COATINGS, AND ANY OTHER ITEM THAT MAY BE REQUIRED FOR
 THE CONSTRUCTION OF THE MOMENT SLAB AND BARRIER.
 EXCAVATION, SUBBASE, AND SUBGRADE DRAINS ARE ROADWAY PAY ITEMS.
- 6. PROVIDE PAVEMENT BASE DRAINS IN ACCORDANCE WITH RC-30M.

7. PROTECTIVE COATINGS:

- APPLY A PROTECTIVE COATING FOR REINFORCED CONCRETE SURFACES (PENETRATING SEALERS, BRIDGE SUPERSTRUCTURE) IN ACCORDANCE WITH PUBLICATION 408, SECTION 1019 TO THE TOP SURFACE OF THE MOMENT SLAB AND TO THE INSIDE FACE
 AND TOP SURFACES OF THE BARRIERS. DO NOT PLACE PENETRATING SEALERS ON TOP OF ANY SURFACE THAT RECEIVES ASPHALT OVERLAY.
- 8. SUBBASE THICKNESS BENEATH THE MOMENT SLAB AND BARRIER MUST MATCH THE ROADWAY
- 9. THE DESIGNED CRASH TEST LEVEL IS TL-4 EXCEPT WHERE NOTED OTHERWISE.

CONTRACT DRAWING NOTES:

THE FOLLOWING NOTES ARE TO BE PLACED ON THE CONTRACT DRAWINGS WHEN REQUIRED:

- 1. A HIGHER CLASS CONCRETE MAY BE SUBSTITUTED FOR A LOWER CLASS CONCRETE AT NO ADDITIONAL COST TO THE DEPARTMENT.
- 2. CONTRACTOR IS PERMITTED TO PROVIDE A PRECAST BARRIER IN PLACE OF THE CAST-IN-PLACE BARRIER. CONTRACTOR MUST SUBMIT SHOP DRAWINGS FOR REVIEW AND ACCEPTANCE IN ACCORDANCE WITH PUBLICATION 408. THE SHOP DRAWINGS MUST COMPLETELY DETAIL THE ENTIRE MOMENT SLAB AND BARRIER ALONG THE REQUIRED LENGTH.

 CONTRACTOR IS RESPONSIBLE FOR LIFTING, HANDLING AND TRANSPORTATION STRESSES.

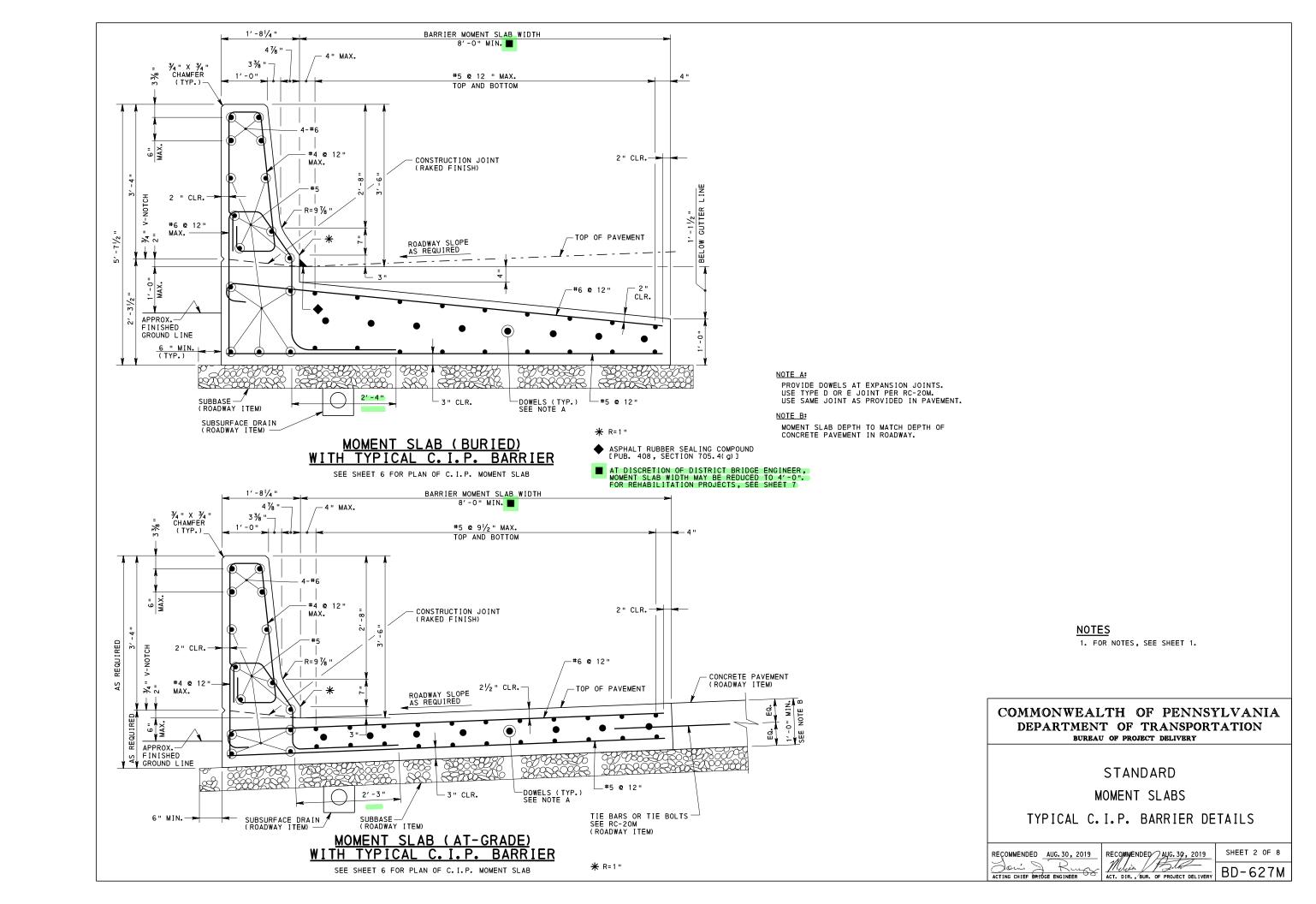
 - CONTRACTOR IS RESPONSIBLE FOR TEMPORARY BRACING DESIGN CALCULATIONS AND DETAILS.
 - - PROVIDE GALVANIZED LIFTING INSERTS.
 PROVIDE LIFTING INSERTS WITH A MINIMUM CAPACITY OF AT LEAST TWO TIMES THE CALCULATED LOAD ON THE INSERT.
 - PROVIDE A MINIMUM OF TWO LIFTING INSERTS PER BARRIER SECTION.
- 3. PROVIDE ANY OTHER NOTES AS REQUIRED.

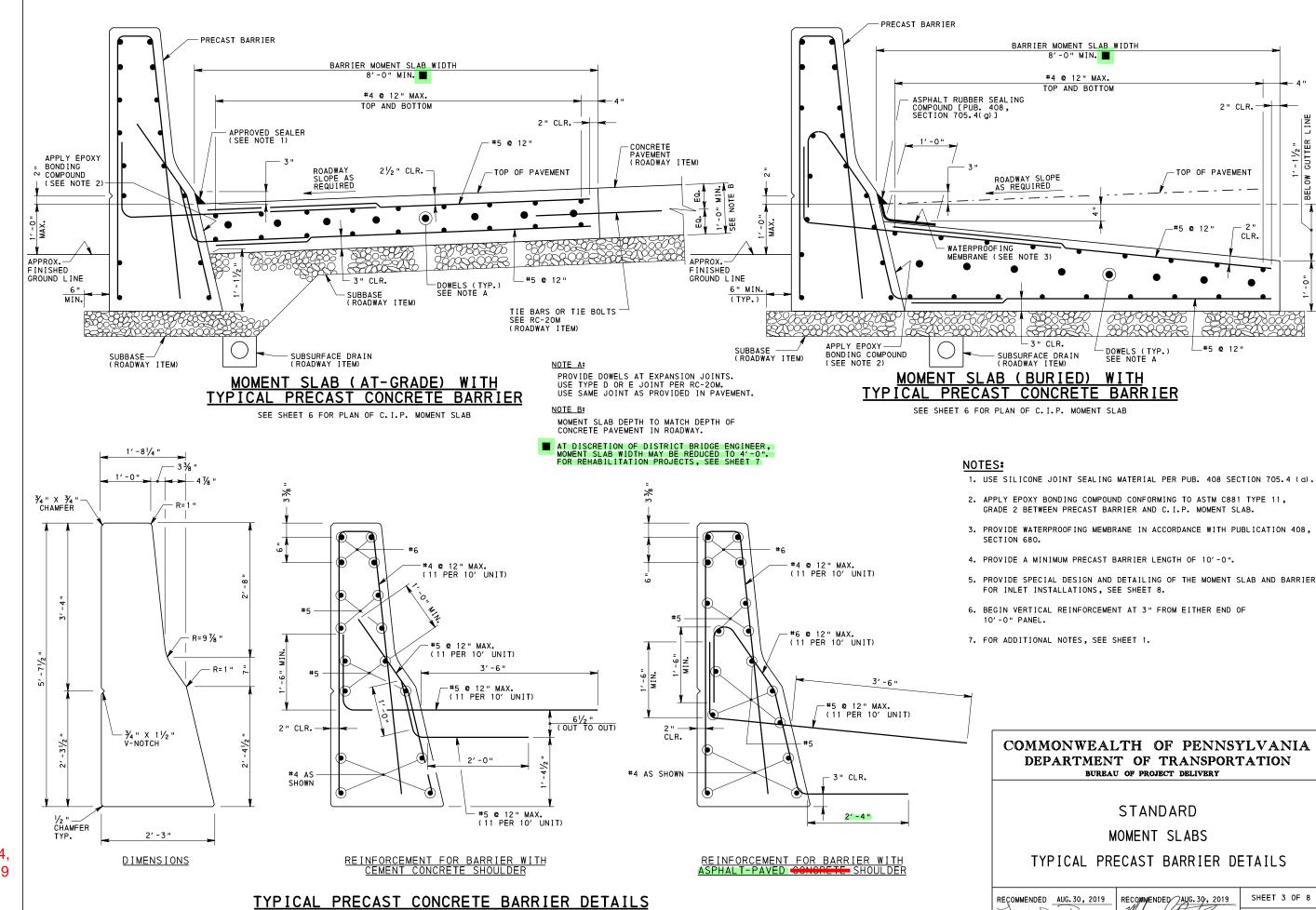
	INDEX OF SHEETS			
SHEET NO.	SHEET TITLE			
1	GENERAL NOTES			
2	TYPICAL C.I.P. BARRIER DETAILS			
3	TYPICAL PRECAST BARRIER DETAILS			
4	MISCELLANEOUS DETAILS			
5	TOE WALL DETAILS			
6	PLANS			
7	FLARED END TREATMENT			
8	PAVEMENT RELIEF JOINT AND INLET INSTALLATION			
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RC-20M	CONCRETE PAVEMENT JOINTS			
RC-21M	REINFORCED CONCRETE PAVEMENT			
RC-24M	PAVEMENT RELIEF JOINT			
RC-27M	PLAIN CONCRETE PAVEMENT			
RC-30M	SUBSURFACE DRAINS			
BC-703M	THRIE-BEAM TO VERTICAL WALL BRIDGE BARRIER TRANSITION CONNECTION			
BC-708M	THRIE-BEAM TO PA TYPE 10M BRIDGE BARRIER TRANSITION CONNECTION			
BC-709M	PA TYPE 10M BRIDGE BARRIER			
BC-712M	THRIE-BEAM TO PA BRIDGE BARRIER TRANSITION CONNECTION			
BC-713M	PA BRIDGE BARRIER			
BC-735M	WALL CONSTRUCTION AND EXPANSION JOINT DETAILS			
BC-736M	REINFORCEMENT BAR FABRICATION DETAILS		THE OF DENINGS	ZI XZA NII A
BC-739M	BRIDGE BARRIER TO GUIDRAIL TRANSITION	COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION BUREAU OF PROJECT DELIVERY		
BC-752M	CONCRETE DECK SLAB DETAILS			
BC-767M	NEOPRENE STRIP SEAL DAM FOR PRESTRESSED CONCRETE AND STEEL BEAM BRIDGES	BURBAC	OF PROJECT DELIVERY	
BC-799M	MECHANICALLY STABILIZED EARTH RETAINING WALLS			
BD-601M	CONCRETE DECK SLAB	STANDARD		
BD-610M	PA BRIDGE BARRIER	MOMENT SLABS		
BD-615M	PA HT BRIDGE BARRIER	MUMENI SLADS		
BD-617M	PA TYPE 10M BRIDGE BARRIER	GENERAL NOTES		
BD-618M	PA VERTICAL WALL BRIDGE BARRIER	OLNENAL NOTES		
BD-628M	BRIDGE APPROACH SLABS			T
BD-679M	STRUCTURE MOUNTED SOUND BARRIER WALLS	REÇOMMENDED AUG. 30, 2019	RECOMMENDED AUG. 30, 2019	SHEET 1 OF 8
REFERENCE DRAWINGS		ACTING CHIEF BRIDGE ENGINEER	Melion / Fold Act. DIR., BUR. OF PROJECT DELIVERY	BD-627M

EXHIBIT D

NOTE: e-Notification revision on sheet 3

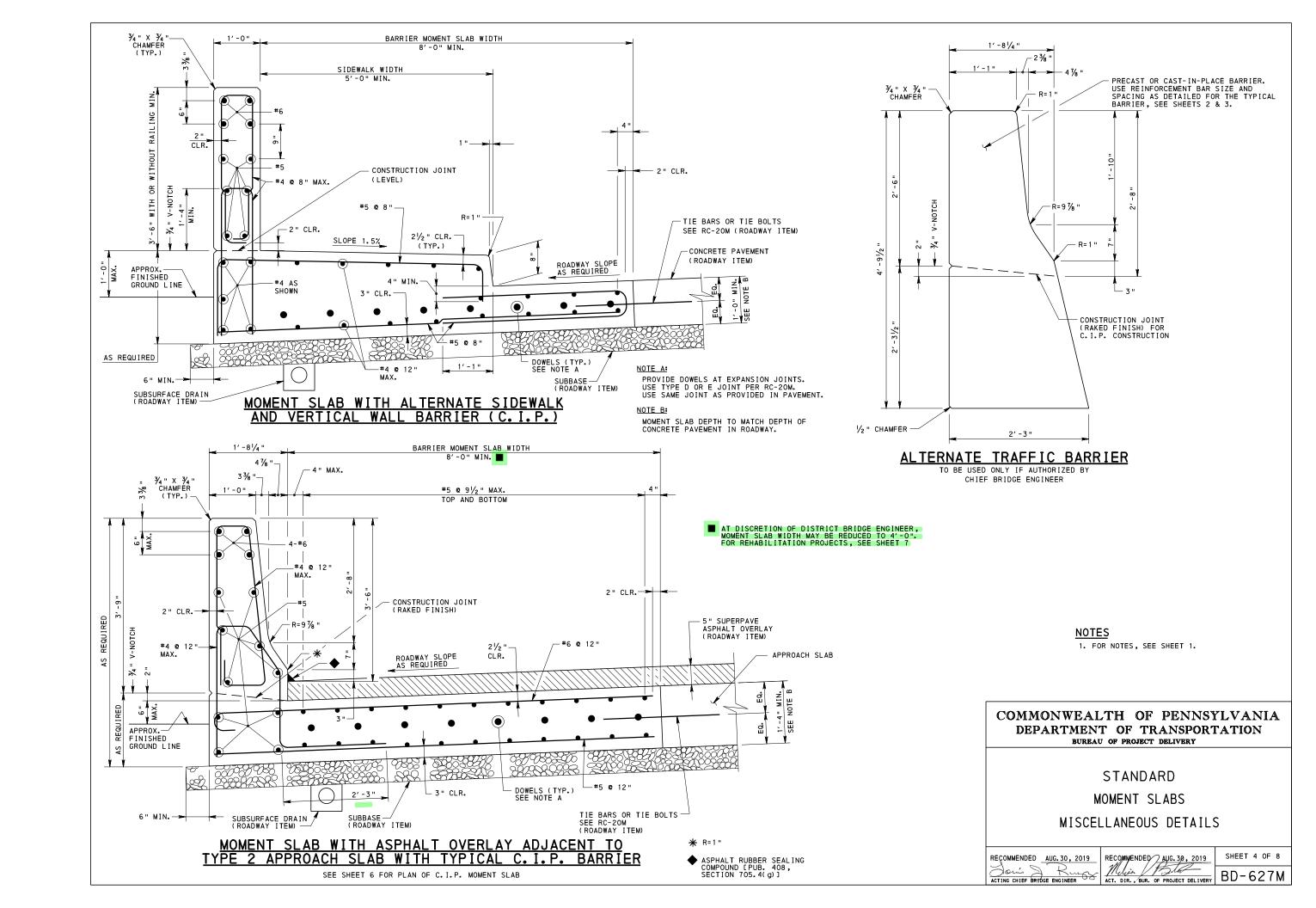


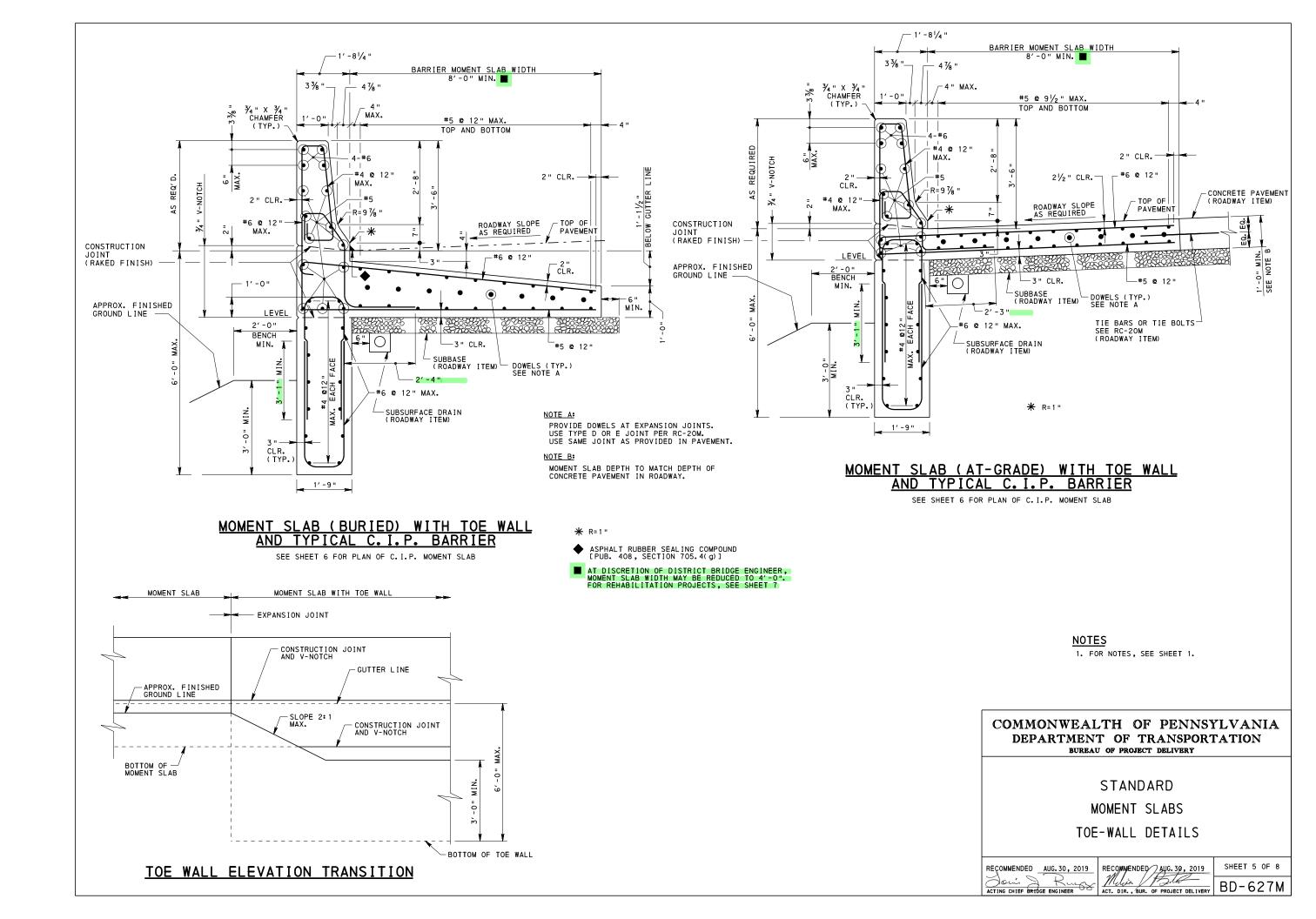


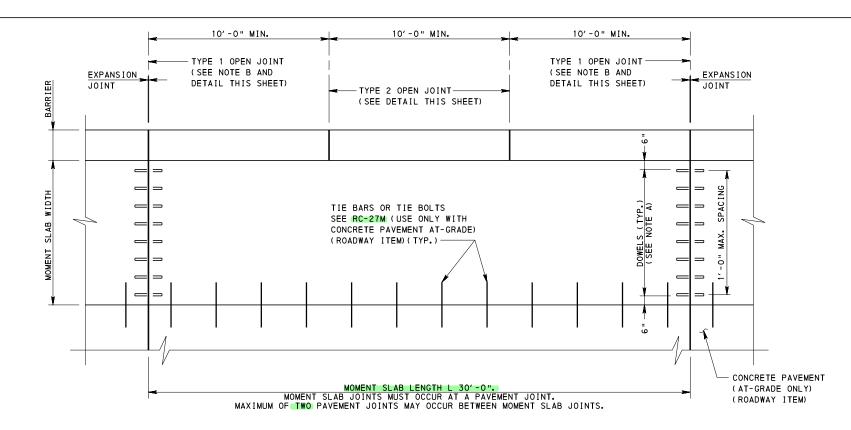
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ACT. DIR., BUR. OF PROJECT DELIVERY

e-Notification No. 74, dated Sept. 19, 2019





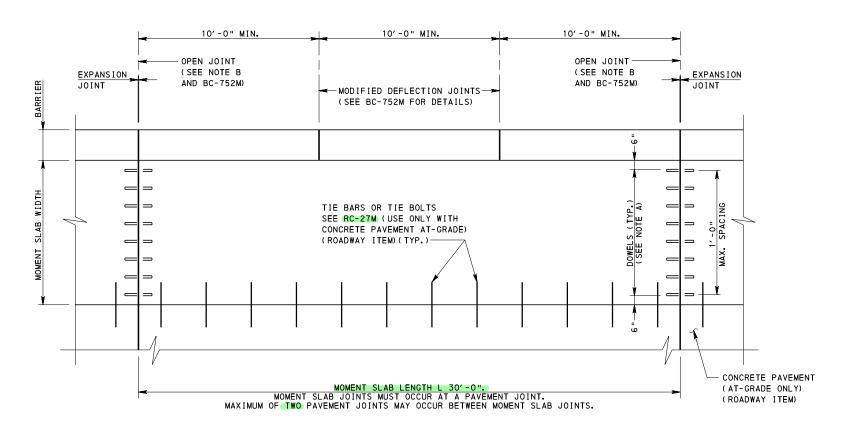


NOTE A: USE TYPE D OR E JOINT PER RC-27M. USE SAME JOINT AS PROVIDED IN PAVEMENT.

NOTE B: PROVIDE TYPE 1 OPEN JOINTS AT SAME LOCATIONS AS THOSE PROVIDED FOR THE MOMENT SLAB.

<u>PLAN - BARRIER MOMENT SLAB</u>

(PRECAST BARRIER)

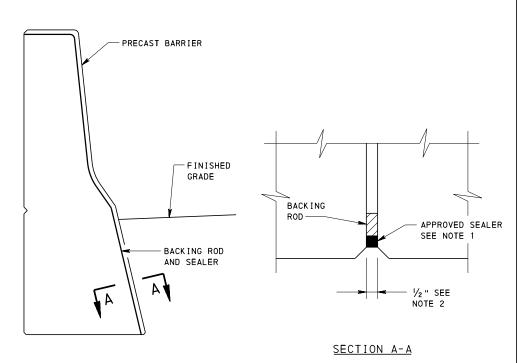


NOTE A: USE TYPE D OR E JOINT PER RC-27M. USE SAME JOINT AS PROVIDED IN PAVEMENT.

NOTE B: PROVIDE OPEN JOINTS IN BARRIER AT SAME LOCATIONS AS THOSE PROVIDED FOR THE MOMENT SLAB.

PLAN - BARRIER MOMENT SLAB

(C.I.P. BARRIER)



TYPE 1 AND TYPE 2 OPEN JOINT IN PRECAST BARRIER

JOINT NOTES

- 1. ALL OPEN JOINTS IN THE BARRIER MUST BE FILLED WITH BACKING ROD AND SEALED WITH SILICONE JOINT SEALING MATERIAL PER PUBLICATION 408, SECTION 705.4(a).
- 2. EXPOSED JOINTS AT BARRIER MAY VARY FROM ½ "TO 1" WIDTH FOR TYPE 1 OPEN JOINT AND ¼ "TO ¾ "WIDTH FOR TYPE 2 OPEN JOINT, TO ALLOW FOR HORIZONTAL AND/OR VERTICAL CURVATURE IN WALL.

MOMENT SLAB AND BARRIER NOTE:

LOCATE EXPANSION JOINTS IN MOMENT SLAB AND BARRIER TO MATCH THE PAVEMENT JOINTS. DO NOT LOCATE EXPANSION JOINTS WITHIN 6'-O" OF THE CENTERLINE OF LIGHT POLE OR WITHIN 2'-O" OF THE CENTERLINE OF A JUNCTION BOX.

NOTES

1. FOR NOTES, SEE SHEET 1.

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION

BUREAU OF PROJECT DELIVERY

STANDARD
MOMENT SLABS
PLANS

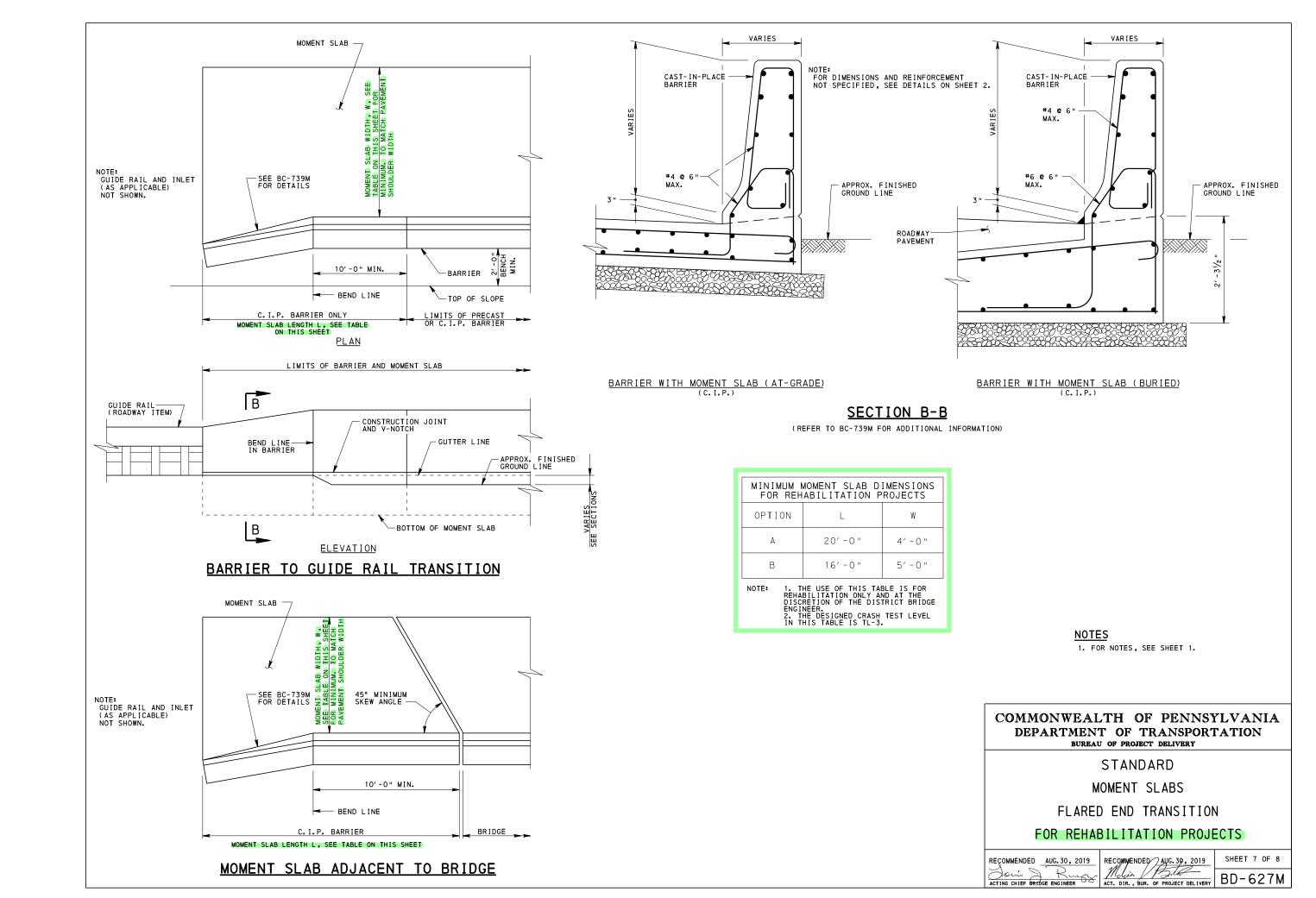
RECOMMENDED AUG. 30, 2019

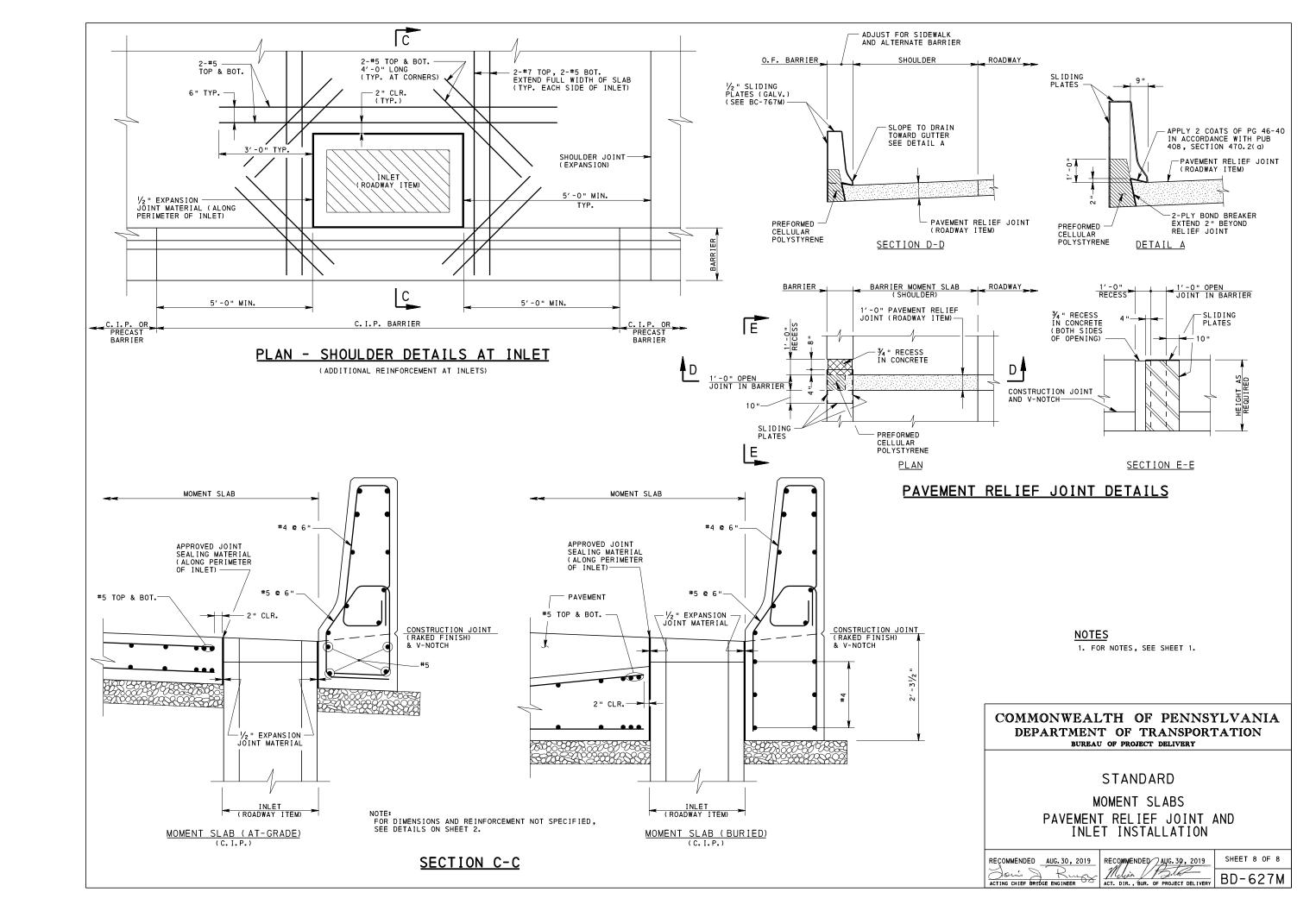
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ACT. DIR., BUR. OF PROJECT DELIVERY

BD-627M





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Bottom Borough, Lathrop Township, Susquehanna
County and Benton Township, Lackawanna County

CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the Department's *Letter* was served upon the parties listed below, by first class mail, postage prepaid this 7th day of November 2019.

Larry Seamour, Chairman

Benton Township

Attn: Pat Saxon

4377 S.R. 438

Paul J. Himka, Supervisor

Lathrop Township

2479 State Route 2096

Hop Bottom, PA 18824

Dalton, PA 184141

Sprint Communications Company, LP Graham A. Anthony, Jr., Supervisor

Wesley Carpenter Township of Brooklyn 484 Williamsport Pike 69401 Maple St Box 113 Brooklyn, PA 18813

Martinsburg, WV 25404

Charles E. Thomas, III Joe Stec
Thomas, Niesen & Thomas, LLC 100 Cte Drive
212 Locust Street, Suite 302 Dallas, PA 18612

Harrisburg, PA 17101

John Koshinski, Councilman

Donald J. Frederickson, Jr., Esq.

Borough of Hop Bottom

Donald J. Frederickson, Jr., Esq.

Lackawanna County Commissioners Office

Borough of Hop Bottom
P.O. Box 175

200 Adams Avenue – 6th Floor Hop Bottom, PA 18824 Scranton, PA 18503 Don Shibley, Supervisor New Milford Township 19730 State Route 11 New Milford, PA 18834

Colonel Tyree C. Blocker Commissioner PA State Police 3rd Floor Dept. Headquarters 1800 Elmerton Avenue Harrisburg, PA 17110

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Enforcement
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Anthony P. Litwin, Esq. Nicholson Borough 24 East Tioga Street Tunkhannock, PA 18657

Elmer Day Comcast Cable Communications One Comcast Way Duryea, PA 18642

Thomas F. Meagher III Solicitor Susquehanna County P.O. Box 218 Montrose, PA 18801

Respectfully submitted,

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION

Iber Guerrero-Lopez, Legal Assistant to Jennifer Brown-Sweeney Assistant Counsel Office of Chief Counsel P.O. Box 8212 Harrisburg, PA 17105-8212 Telephone No. (717) 787-3128 jbrownswee@pa.gov

DATED: November 7, 2019