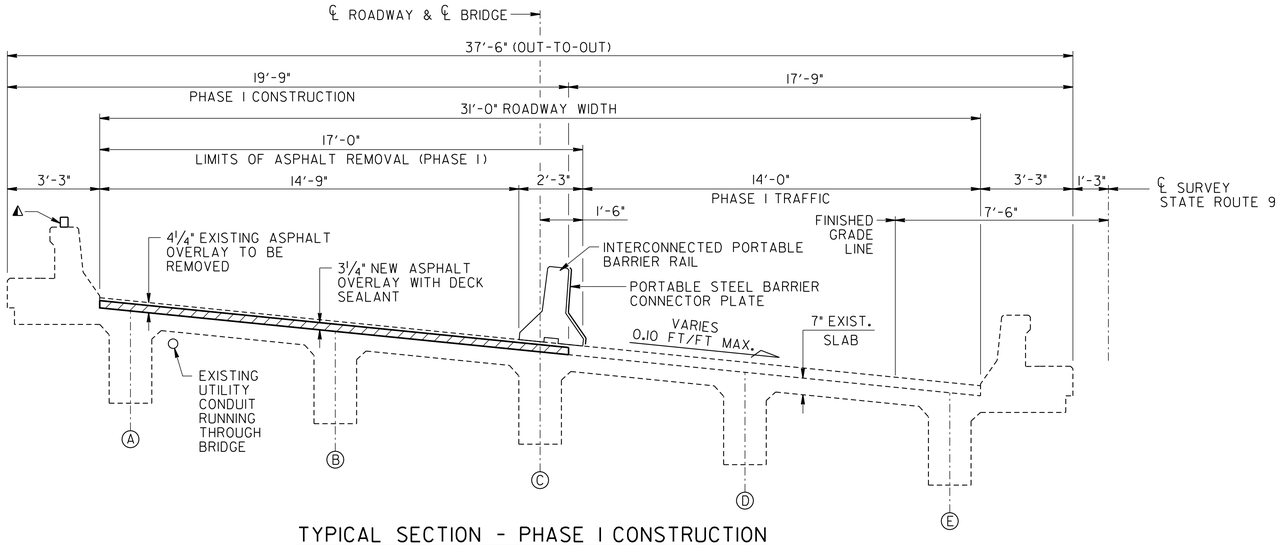
PROJECT NO.	YEAR	SHEET NO.
47005-4158-04	2014	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION

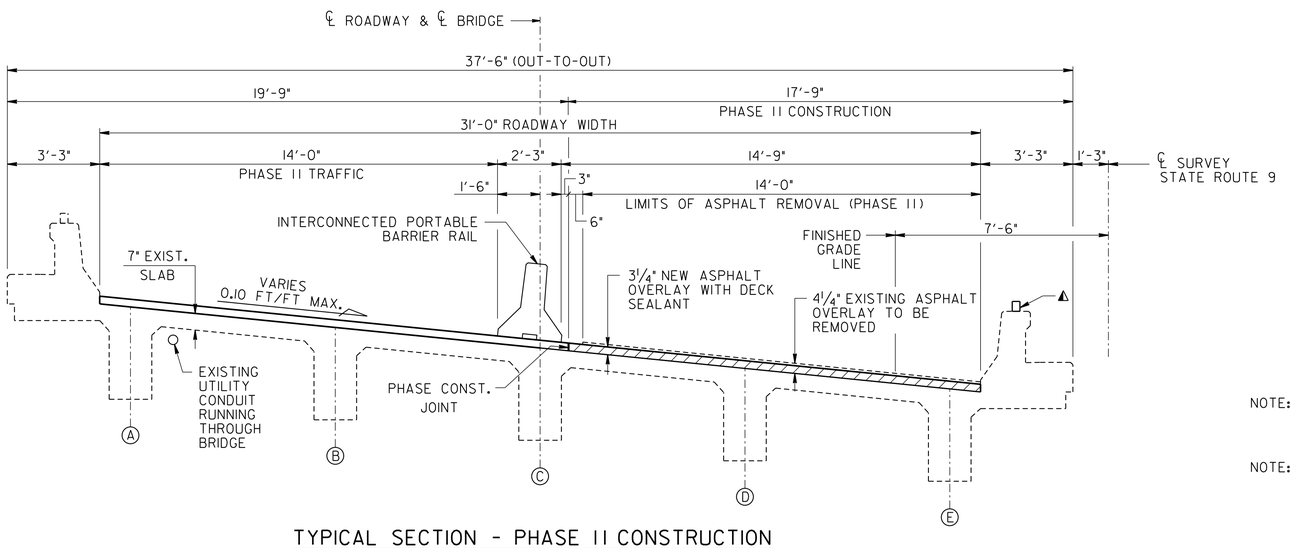


TYPICAL SECTION - PHASE I CONSTRUCTION

(LOOKING FORWARD ON SURVEY)
(ALL DIMENSIONS MEASURED RADIALLY FROM ℄ SURVEY)

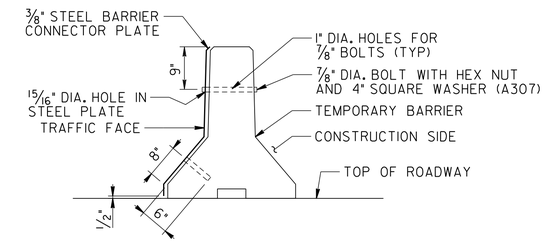
▲ DENOTES: NEW PARAPET DELINEATORS. SEE TDOT STANDARD DWG. STD-1-1.

▨ DENOTES: LIMITS OF NEW 3¼" ASPHALT OVERLAY WITH DECK SEALANT

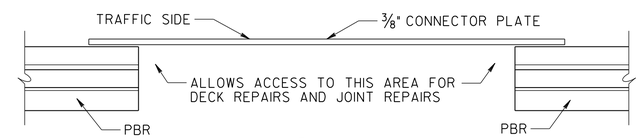


TYPICAL SECTION - PHASE II CONSTRUCTION

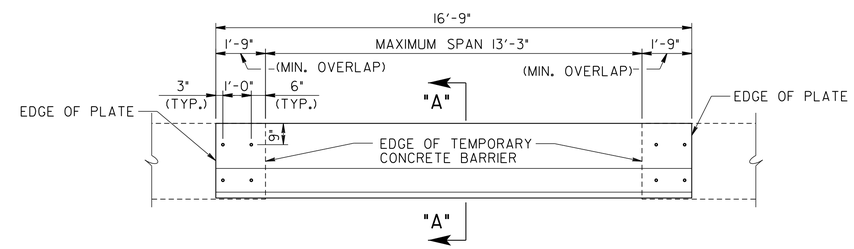
(LOOKING FORWARD ON SURVEY)
(ALL DIMENSIONS MEASURED RADIALLY FROM ℄ SURVEY)



SECTION "A" - "A"



PLAN



ELEVATION

PBR DENOTES: PORTABLE BARRIER RAIL

PORTABLE STEEL BARRIER CONNECTOR PLATE

NOTE: CONTRACTOR SHALL INSTALL A ⅜" THICK STEEL CONNECTOR PLATE TO THE PORTABLE CONCRETE BARRIERS IN AREAS WHERE NEW EXPANSION JOINTS ARE TO BE INSTALLED AND TO ACCESS AREAS OF FULL AND PARTIAL DEPTH DECK REPAIR.

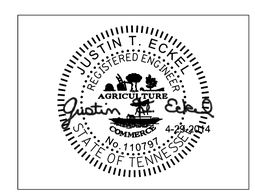
NOTE: COST OF THE ⅜" THICK STEEL CONNECTOR PLATES, ALL BOLTS WITH HEX NUTS AND WASHERS, MASONRY ANCHORS, DRILLING, LABOR, AND ALL MISCELLANEOUS MATERIALS NECESSARY FOR THE INSTALLATION OF SIX (6) STEEL BARRIER CONNECTOR PLATES TO BE INCLUDED IN ITEM NO. 712-02.02, INTERCONNECTED PORTABLE BARRIER RAIL, L.F. AND SHALL BE FOR SIX (6) PLATES WITH A TOTAL WEIGHT OF 4,482 LBS.

NOTE: 1" DIA. HOLES FOR THE MASONRY ANCHOR AND 1" DIA. HOLES FOR ⅞" DIA. BOLTS SHALL BE DRILLED WITH A HIGH SPEED DRILL. THE DRILL BIT SHALL BE CAPABLE OF DRILLING THROUGH EXISTING REINFORCING BARS AND CONCRETE.

NOTE: IN LIEU OF THE 16'-9" STEEL BARRIER CONNECTOR PLATE AS SHOWN IN DETAIL, THE CONTRACTOR HAS THE OPTION OF SUBMITTING TO THE ENGINEER AN ALTERNATE METHOD OF PLACING THE CONCRETE PORTABLE BARRIERS WHEN WORKING AROUND THE REPAIR AREAS. IF ALTERNATIVE METHOD IS CHOSEN, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT THE TRAFFIC FROM THE REPAIR AREAS. IF ALTERNATIVE METHOD IS CHOSEN, THERE SHALL BE NO ADDITIONAL COMPENSATION.

DECK REPAIR SEQUENCE

1. REMOVE ASPHALT FOR THE PHASE I LIMITS SHOWN. MAY REQUIRE TEMPORARY CLOSURE, LATE NIGHT OR NON-PEAK HOURS AS APPROVED BY THE ENGINEER.
2. CHAIN DRAG PHASE I CONSTRUCTION AND PORTABLE BARRIER RAIL AREAS.
3. SET PORTABLE BARRIER RAIL. USE PORTABLE STEEL CONNECTOR PLATES TO ACCESS AREAS OF EXPANSION JOINTS OVER BENT NOS. 1 AND 4, AND AREAS OF FULL AND PARTIAL DEPTH DECK REPAIR, FOR PHASE I.
4. COMPLETE FULL AND PARTIAL DEPTH REPAIRS AND DIAPHRAGM REPLACEMENT AT BENT NOS. 1 AND 4 FOR PHASE I CONSTRUCTION AREA USING 3,000 PSI @ 18 HOUR CONCRETE.
5. APPLY 3¼" ASPHALT OVERLAY AND DECK SEALANT FOR PHASE I CONSTRUCTION LIMITS AND INSTALL JOINTS AT BENT NOS. 1 AND 4. MAY REQUIRE TEMPORARY CLOSURE, LATE NIGHT OR NON-PEAK HOURS AS APPROVED BY THE ENGINEER. WILL ALSO REQUIRE TEMPORARY REMOVAL OF PORTABLE BARRIER RAIL TO ACCESS FULL PHASE I ASPHALT OVERLAY AREA.
6. SHIFT INTERCONNECTED BARRIER RAIL TO PHASE II CONSTRUCTION LOCATION. PORTABLE STEEL CONNECTOR PLATES ARE NOT REQUIRED.
7. REMOVE ASPHALT FOR THE PHASE II LIMITS SHOWN.
8. CHAIN DRAG PHASE II CONSTRUCTION AREA.
9. COMPLETE FULL AND PARTIAL DEPTH REPAIRS AND DIAPHRAGM REPLACEMENT AT BENT NOS. 1 AND 4 FOR PHASE II CONSTRUCTION AREA USIING 3,000 PSI @ 18 HOUR CONCRETE.
10. APPLY 3¼" ASPHALT SEAL OVERLAY AND DECK SEALANT FOR PHASE II CONSTRUCTION LIMITS AND COMPLETE JOINT INSTALLATION AT BENT NOS. 1 AND 4.



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STATE ROUTE 9 OVER
INTERSTATE 275
BRIDGE NO. 47-SR009-07.18
KNOX COUNTY
2014

DESIGNED BY	M. JONES	DATE	10/13
DRAWN BY	M. JONES	DATE	10/13
SUPERVISED BY	L. BILBREY	DATE	10/13
CHECKED BY	J. ECKEL	DATE	10/13

4/30/2014
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