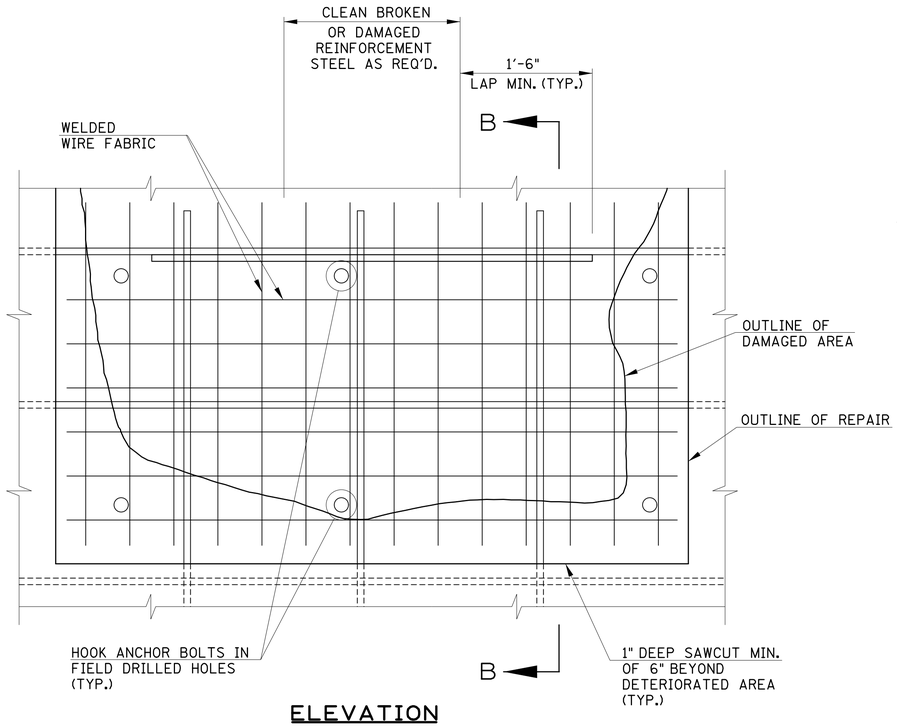
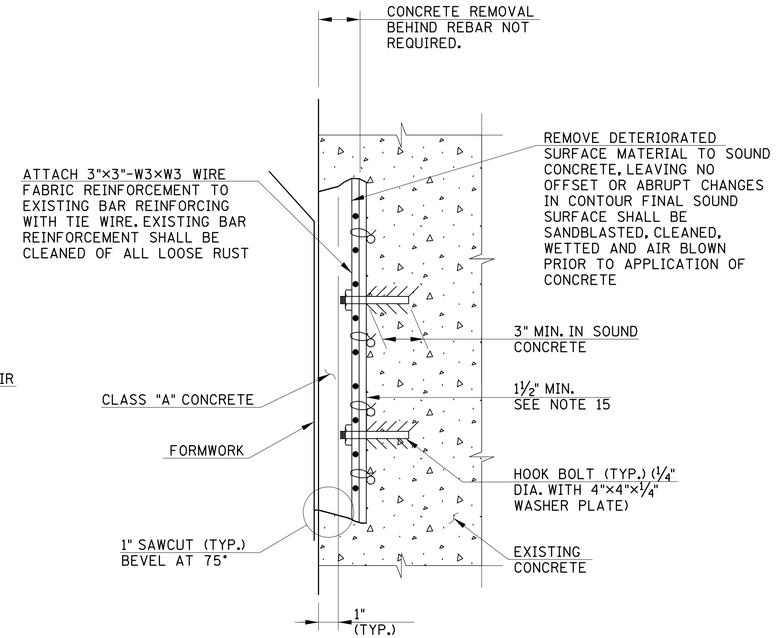
CONST. NO.		
PROJECT NO.	YEAR	SHEET NO.
19012-4159-04	2014	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION

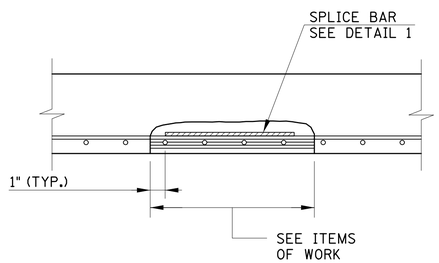


ELEVATION



SECTION B-B

SHOWING SURFACE REPAIR DETAILS
PAY ITEM 604-10.54



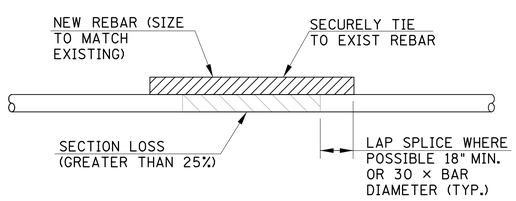
ITEMS OF WORK

REMOVE EXISTING CONCRETE AS REQUIRED TO PROVIDE FOR REQUIRED SPLICE LENGTH

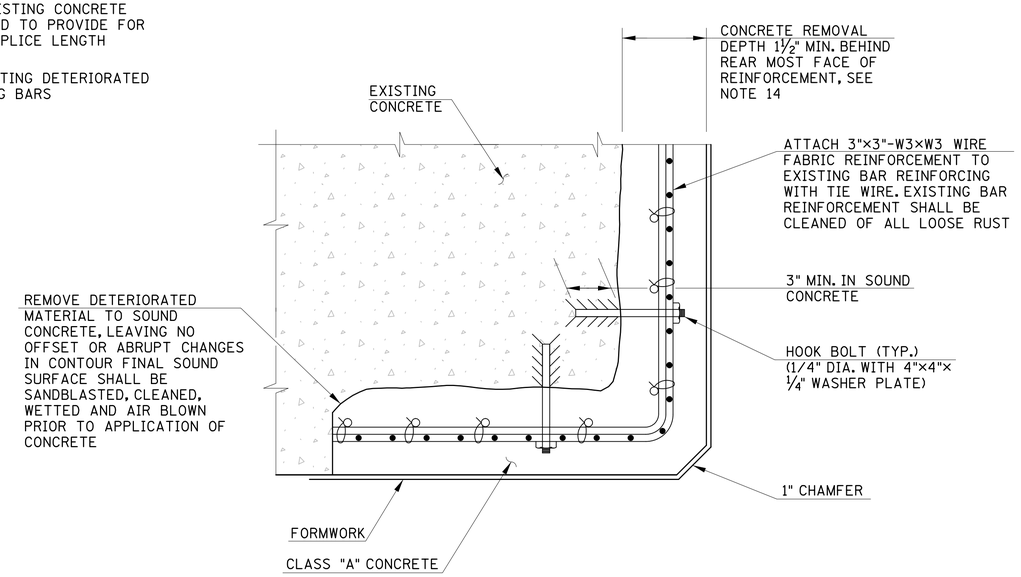
CLEAN EXISTING DETERIORATED REINFORCING BARS

MAIN REINFORCEMENT REPAIR

N.T.S.



DETAIL I



DETAIL AT CORNERS

SHOWING CONCRETE REPAIR DETAILS
PAY ITEM 604-10.05

NOTES:

1. THE CONTRACTOR SHALL VERIFY IN THE FIELD THE EXTENT OF ALL SPALL AND/OR DELAMINATED DAMAGE. ALL SPALLED OR DELAMINATED AREAS NOT INDICATED ON THESE DRAWINGS SHALL BE REPAIRED AS DIRECTED AND APPROVED BY THE ENGINEER.
2. REPAIR DETAILS APPLY TO ALL HOLLOW AREAS AND SPALLS IN EITHER PIERS, ABUTMENTS OR GIRDERS.
3. SURFACE PREPARATION, PROPORTION AND MIXING OF MATERIALS, APPLICATION OF MATERIALS, AND REPAIR PROCEDURES SHALL BE IN ACCORDANCE WITH SPECIFICATIONS.
4. NEW CONCRETE PATCHES SHALL MATCH SHAPE OF EXISTING CONCRETE SURFACES.
5. ALL EXPOSED REINFORCEMENT WITHIN REPAIR AREA SHALL BE CLEANED, AND SAND BLASTED. BROKEN PORTION OF REBARS SHALL BE REMOVED AND LAP SPLICED WITH NEW REBARS.
6. IF CORRODED REINFORCING BARS HAVE SECTION LOSSES EXCEEDING 25% THE CORRODED BARS SHALL BE REPLACED IN ACCORDANCE WITH THE REINFORCEMENT REPAIR DETAIL SHOWN ON THIS SHEET.
7. ALL CRACKS WHICH ARE ASSOCIATED WITH DELAMINATION SHALL BE CUT OUT TOGETHER WITH THE DELAMINATED CONCRETE.
8. THE CONTRACTOR SHALL BE REQUIRED TO COLOR AND TEXTURE MATCH THE NEW PATCH CONCRETE WITH THE EXISTING CONCRETE. THE CONTRACTOR SHALL PREPARE SAMPLE FOR THE ENGINEER'S REVIEW AND APPROVAL. NO SEPARATE PAYMENT SHALL BE MADE FOR SAMPLES.
9. TO THE EXTENT REASONABLE LIMITS OF ALL PATCHES IN ELEVATION SHALL MAINTAIN HORIZONTAL AND VERTICAL LINES.
10. IF REPAIR AREA EXTENDS NEAR EDGE OF MEMBER, DO NOT REMOVE DAMAGED REINFORCEMENT NEAR EDGE WITHIN MINIMUM LAP SPLICE LENGTH.
11. HOOK BOLTS SHALL BE SPACED AT 1'-0" CENTERS FOR REPAIRS LESS THAN 3" THICK AND 1'-6" FOR GREATER DEPTH.
12. IF REPAIR INCLUDES A CORNER OF MEMBER, PROVIDE HOOK BOLTS IN BOTH SURFACES.
13. WHERE NEW REINFORCING BAR HAS BEEN DETERMINED TO BE REQUIRED, BILL OF STEEL IS SHOWN ON THE REPAIR DRAWING. ADDITIONAL BAR NOT INDICATED ON THE DRAWINGS SHALL BE PROVIDED AS ORDERED BY THE ENGINEER.
14. NOTIFY THE ENGINEER IF DEPTH OF DETERIORATED CONCRETE FOUND EXCEEDS THE MINIMUM LIMIT SPECIFIED.
15. FOR AREAS WITH ONLY SURFACE DETERIORATION, THE ENGINEER MAY ELECT TO USE ITEM 604-10.54 WHICH DOES NOT REQUIRE THE REMOVAL OF CONCRETE BEHIND THE EXISTING REBAR.
16. HOOK BOLTS AND WIRE FABRIC SHALL BE INCLUDED IN PRICE BID FOR CONCRETE REPAIRS, ITEM 604-10.54, OR CONCRETE, ITEM 604-10.05 AS DESIGNATED BY THE ENGINEER.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL REPAIR DETAILS

BRIDGE NO. 1
I-65 OVER
CSXT RAILROAD
BR. NO. 19-10065-20.10
DAVIDSON COUNTY
2014

BR-114-157

DESIGNED BY	GRESHAM SMITH & PARTNERS	DATE	6/13
DRAWN BY	GDY	DATE	6/13
SUPERVISED BY	TAK	DATE	6/13
CHECKED BY	TQT	DATE	

GRESHAM SMITH AND PARTNERS

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1/21/2014
PRF