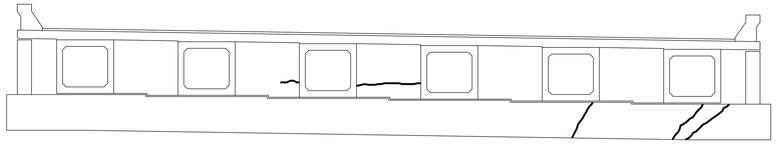
PROJECT NO.	YEAR	SHEET NO.
32003-4221-04	2014	

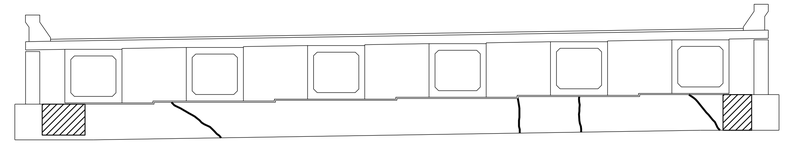
REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION



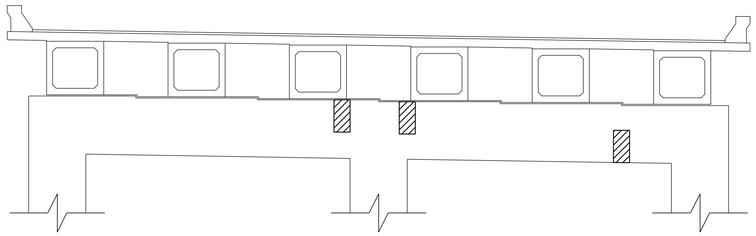
ABUTMENT 1 - LEFT BRIDGE

(LOOKING BACK)



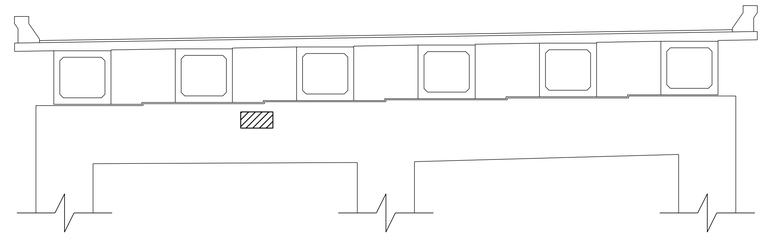
ABUTMENT 1 - RIGHT BRIDGE

(LOOKING BACK)



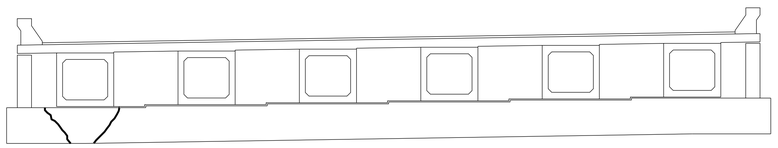
PIER 5 - LEFT BRIDGE

(LOOKING BACK)



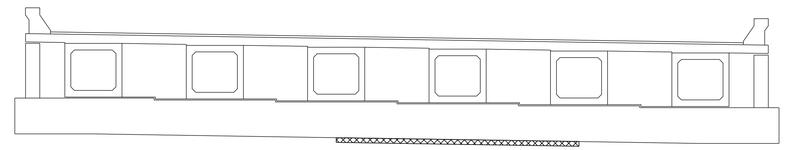
PIER 7 - RIGHT BRIDGE

(LOOKING BACK)



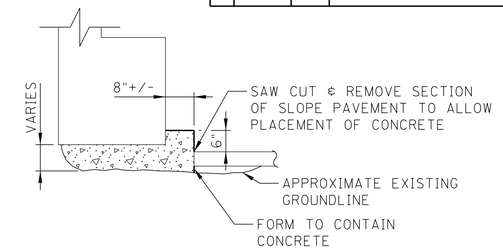
ABUTMENT 2 - LEFT BRIDGE

(LOOKING AHEAD)



ABUTMENT 2 - RIGHT BRIDGE

(LOOKING AHEAD)



ABUTMENT VOID REPAIR

ALL COSTS ASSOCIATED WITH REPAIR OF VOID AREA, INCLUDING ALL LABOR AND MISCELLANEOUS MATERIALS, SHALL BE INCLUDED IN ITEM NO. 604-10.55, CONCRETE (FOUNDATION REPAIRS), C.Y.

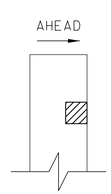
DENOTES LOCATION TO BE REPAIRED UNDER ITEM NO. 604-10.55, CONCRETE (FOUNDATION REPAIRS), C.Y. SEE ABUTMENT VOID REPAIR DETAIL (THIS SHEET).

DENOTES AREA TO BE REPAIRED UNDER ITEM NO. 604-10.05 AND/OR 604-10.54. FOR DETAILS SHOWING AREAS OF EXISTING SPALLED OR DELAMINATED CONCRETE SURFACES TO BE REMOVED AND REPAIRED, SEE DWG. BR-110-144.

DENOTES CRACK TO BE EPOXY INJECTED. SEE EPOXY INJECTION NOTES ON DWG. BR-110-144.

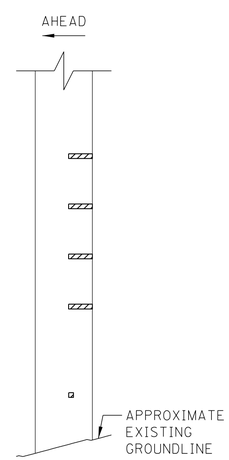
ESTIMATED QUANTITIES

LOCATION OF REPAIR	ITEM 604-10.05 AND/OR 604-10.54 APPROX. REPAIR AREAS (S.F.)	ITEM 604-10.62 APPROX. REPAIR AREAS (L.F.)
ABUT. 1 (LT.)	-	17
PIER 5 (LT.)	8	-
PIER 7 (LT.)	3	-
ABUT. 2 (LT.)	-	7
PARAPETS (LT.)	20	-
ABUT. 1 (RT.)	12	13
PIER 2 (RT.)	1	-
PIER 4 (RT.)	5	-
PIER 7 (RT.)	3	-
PARAPETS (RT.)	20	-
TOTAL	72	37



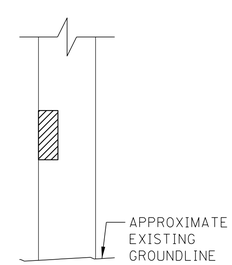
PIER 7 - LEFT BRIDGE

(RIGHT COLUMN)
(RIGHT ELEVATION)



PIER 2 - RIGHT BRIDGE

(CENTER COLUMN)
(LEFT ELEVATION)



PIER 4 - RIGHT BRIDGE

(CENTER COLUMN)
(LOOKING AHEAD)

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SUBSTRUCTURE REPAIR DETAILS
BRIDGE NO. BR-32-SR32-06.97 (LEFT) ℄
BRIDGE NO. BR-32-SR32-06.98 (RIGHT)
S.R. 32 OVER S.R. 34 ℄
NORFOLK SOUTHERN RAILWAY
HAMBLEN COUNTY
2014

G. SCOTT WILSON
REGISTERED ENGINEER
AGRICULTURE
04/28/2014
COMMERCE
No. 106500
STATE OF TENNESSEE

Palmer ENGINEERING

DESIGNED BY	G.S. WILSON	DATE	11/2011
DRAWN BY	C.D. VICTORY	DATE	11/2011
SUPERVISED BY	G.S. WILSON	DATE	11/2011
CHECKED BY	G.S. WILSON	DATE	11/2011

J:\STRUCTURES\10705-09_HAMBLENCO.SR32\DRAWINGS\FINAL\10705-09-LT-SUB.DGN 4/22/2014