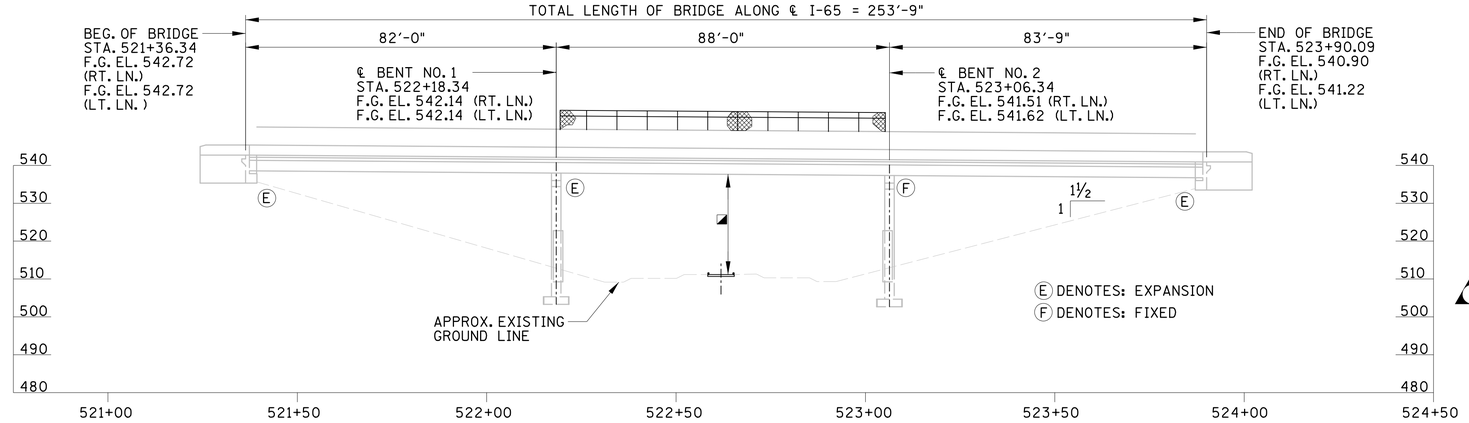
CONST. NO.		
PROJECT NO.	YEAR	SHEET NO.
19012-4159-04	2014	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION
1	2/4/14	GSP	UPDATE LIST OF DRAWINGS

CSX RAILROAD HIGH RAIL ELEVATION

STATION	ELEVATION
8+12.14	517.01
7+54.85	516.63
7+00.90	516.25
6+49.50	515.95
5+94.30	515.60
5+39.80	515.17
4+82.30	514.73
4+20.36	514.31
3+59.20	513.74



ELEVATION

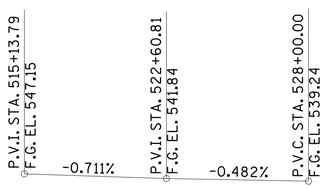
(AT RT. △ TO ℄ I-65)

◪ DENOTES: POINT OF MINIMUM VERT. CLEARANCE = 21'-9" AT EXIST. EXTERIOR GIRDER

SEE ROADWAY SHEETS 7 & 7A FOR RAILROAD SPECIAL NOTES AND DETAILS

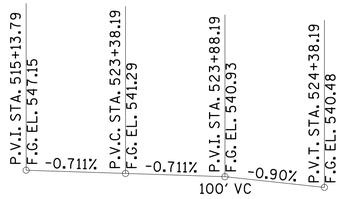
1 LIST OF BRIDGE DRAWINGS

DWG. NO.	CURRENT REV. DATE	TITLE
BR-114-143	2-4-14	LAYOUT OF BRIDGE TO BE REPAIRED
BR-114-144		ESTIMATED BRIDGE QUANTITIES
BR-114-145		BRIDGE GENERAL NOTES
BR-114-146		CONSTRUCTION PHASING SEQUENCE
BR-114-147		CONSTRUCTION PHASING SEQUENCE
BR-114-148	2-4-14	SUPERSTRUCTURE DETAILS
BR-114-149		JOINT SEALING DETAILS
BR-114-150		THIN EPOXY OVERLAY NOTES & DETAILS
BR-114-150A	2-4-14	BRIDGE DECK REPAIR NOTES & DETAILS
BR-114-151		ABUTMENT 1 DETAILS SHEET 1 OF 3
BR-114-152		ABUTMENT 1 DETAILS SHEET 2 OF 3
BR-114-153		ABUTMENT 1 DETAILS SHEET 3 OF 3
BR-114-154		ABUTMENT 2 DETAILS SHEET 1 OF 3
BR-114-155		ABUTMENT 2 DETAILS SHEET 2 OF 3
BR-114-156		ABUTMENT 2 DETAILS SHEET 3 OF 3
BR-114-157		GENERAL REPAIR DETAILS



SKETCH SHOWING GRADE

(LEFT LANE I-65)

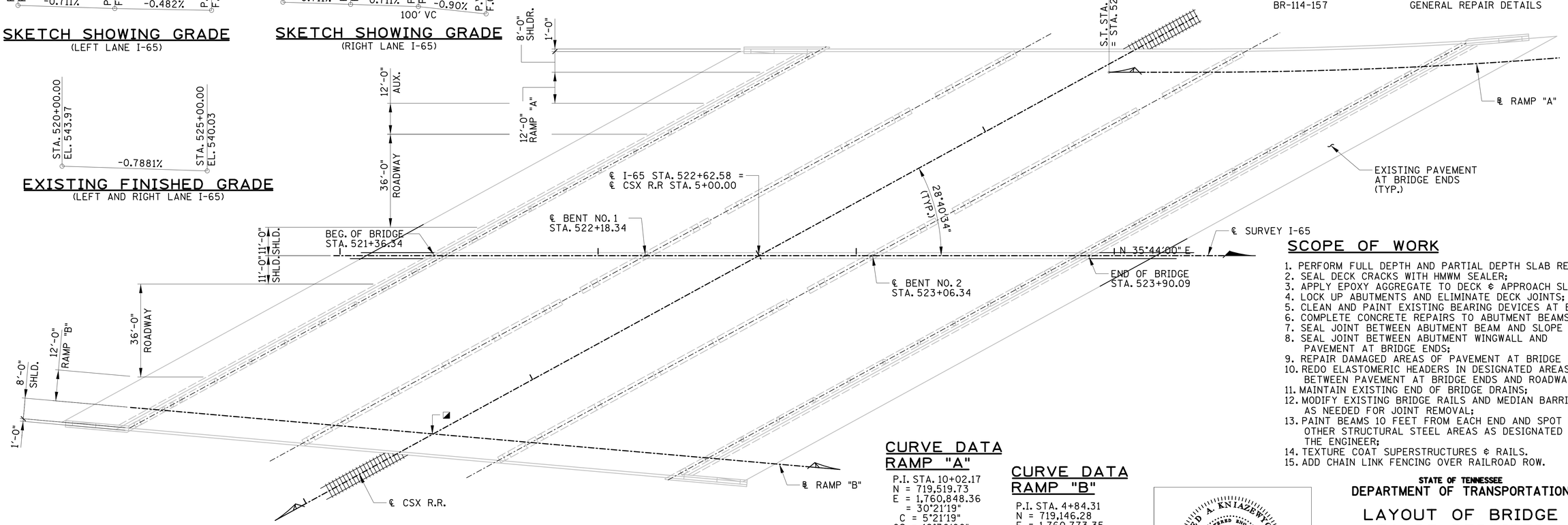


SKETCH SHOWING GRADE

(RIGHT LANE I-65)

EXISTING FINISHED GRADE

(LEFT AND RIGHT LANE I-65)



PLAN

◪ DENOTES: POINT OF MINIMUM VERT. CLEARANCE = 22'-1" AT EXIST. EXTERIOR GIRDER

SEE ROADWAY SHEETS 7 & 7A FOR RAILROAD SPECIAL NOTES AND DETAILS.

SCOPE OF WORK

1. PERFORM FULL DEPTH AND PARTIAL DEPTH SLAB REPAIRS;
2. SEAL DECK CRACKS WITH HMWM SEALER;
3. APPLY EPOXY AGGREGATE TO DECK & APPROACH SLAB;
4. LOCK UP ABUTMENTS AND ELIMINATE DECK JOINTS;
5. CLEAN AND PAINT EXISTING BEARING DEVICES AT BENTS;
6. COMPLETE CONCRETE REPAIRS TO ABUTMENT BEAMS;
7. SEAL JOINT BETWEEN ABUTMENT BEAM AND SLOPE PVMT;
8. SEAL JOINT BETWEEN ABUTMENT WINGWALL AND PAVEMENT AT BRIDGE ENDS;
9. REPAIR DAMAGED AREAS OF PAVEMENT AT BRIDGE ENDS;
10. REDO ELASTOMERIC HEADERS IN DESIGNATED AREAS BETWEEN PAVEMENT AT BRIDGE ENDS AND ROADWAY;
11. MAINTAIN EXISTING END OF BRIDGE DRAINS;
12. MODIFY EXISTING BRIDGE RAILS AND MEDIAN BARRIER AS NEEDED FOR JOINT REMOVAL;
13. PAINT BEAMS 10 FEET FROM EACH END AND SPOT PAINT OTHER STRUCTURAL STEEL AREAS AS DESIGNATED BY THE ENGINEER;
14. TEXTURE COAT SUPERSTRUCTURES & RAILS.
15. ADD CHAIN LINK FENCING OVER RAILROAD ROW.

CURVE DATA RAMP "A"

P.I. STA. 10+02.17
N = 719,519.73
E = 1,760,848.36
= 30°21'19"
C = 5°21'19"
OS = 12°30'00"
DC = 10°00'00"
RC = 572.96'
LC = 53.55'
TS = 281.46'
LT = 167.08'
ST = 83.75'
ES = 25.42'
XC = 248.81'
YC = 18.12'
S.E. = 0.078 FT/FT
V = 40 M.P.H.

CURVE DATA RAMP "B"

P.I. STA. 4+84.31
N = 719,146.28
E = 1,760,773.35
= 2°00'00"
D = 2°00'00"
R = 2,864.79'
T = 50.01'
L = 100.00'
E = 0.44'
S.E. = N.C.
V = 35 M.P.H.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

LAYOUT OF BRIDGE TO BE REPAIRED

BRIDGE NO. 1
I-65 OVER
CSXT RAILROAD
BR. NO. 19-I0065-20.10
DAVIDSON COUNTY
2014

BR-114-143

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

gyoun
Q:\2807116\b\csx rr\8071b16pl.sht
2/4/2014
PRF