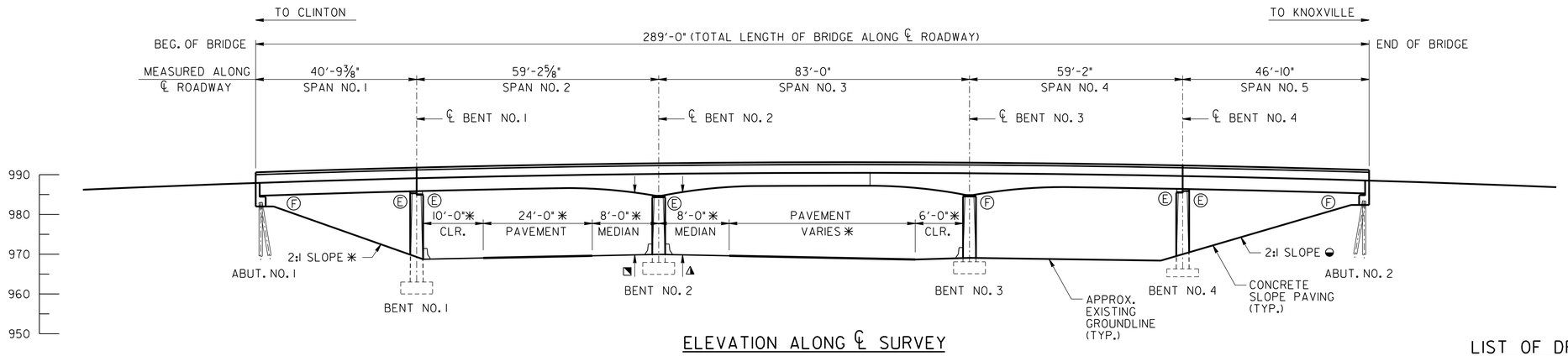
PROJECT NO.	YEAR	SHEET NO.
47005-4158-04	2014	

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION



ELEVATION ALONG ℄ SURVEY

NOTE: EXISTING AND PROPOSED SUPPORT CONDITIONS TO REMAIN THE SAME.
✳ DENOTES: MEASURED @ RT. ANGLE TO ℄ I-275
◒ DENOTES: MEASURED RADIALLY TO RAMP BASELINE
◪ DENOTES: 12'-0" ACTUAL VERTICAL CLEARANCE
◭ DENOTES: 14'-7" ACTUAL VERTICAL CLEARANCE
NBL DENOTES: NORTHBOUND LANES
SBL DENOTES: SOUTHBOUND LANES
Ⓔ DENOTES: EXPANSION
Ⓕ DENOTES: FIXED
NOTE: VERTICAL CLEARANCES SHOWN ARE MEASURED AT RUMBLE STRIP

SPECIAL NOTE:
CONTRACTOR SHALL VERIFY THE VERTICAL CLEARANCES SHOWN AND THEIR LOCATIONS PRIOR TO FABRICATION OF LOW CLEARANCE SIGNS. SEE ROADWAY PLANS FOR ADDITIONAL INFORMATION.

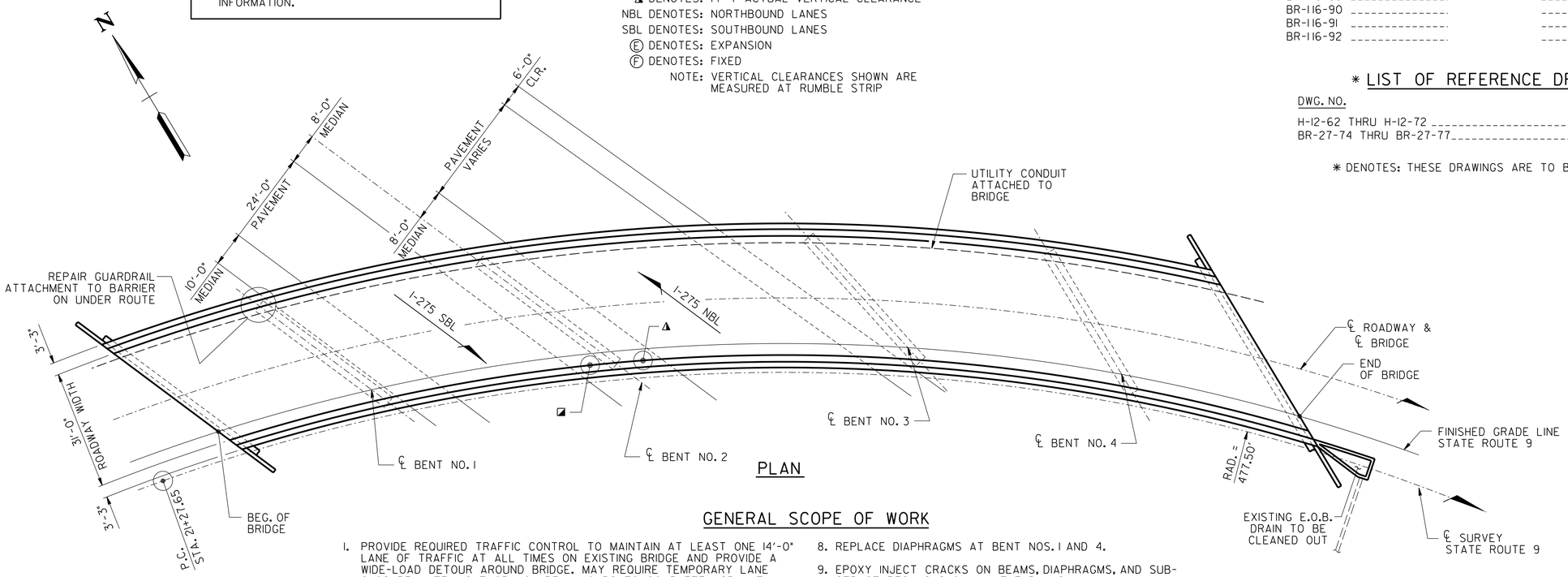
LIST OF DRAWINGS

DWG. NO.	LAST REV. DATE	DRAWING
BR-116-85		LAYOUT OF BRIDGE TO BE REPAIRED
BR-116-86		GENERAL NOTES AND ESTIMATED BRIDGE QUANTITIES
BR-116-87		SUPERSTRUCTURE DETAILS
BR-116-88		SUPERSTRUCTURE REPAIR DETAILS
BR-116-89		BEAM REPAIR DETAILS
BR-116-90		ABUTMENT NOS. 1 AND 2 REPAIR DETAILS
BR-116-91		BENT REPAIR DETAILS
BR-116-92		MISCELLANEOUS REPAIR DETAILS

✳ LIST OF REFERENCE DRAWINGS

DWG. NO.	DRAWING
H-12-62 THRU H-12-72	ORIGINAL BRIDGE PLANS
BR-27-74 THRU BR-27-77	REPAIR PLANS (1998)

✳ DENOTES: THESE DRAWINGS ARE TO BE PRINTED WITH PLANS.



PLAN

GENERAL SCOPE OF WORK

1. PROVIDE REQUIRED TRAFFIC CONTROL TO MAINTAIN AT LEAST ONE 14'-0" LANE OF TRAFFIC AT ALL TIMES ON EXISTING BRIDGE AND PROVIDE A WIDE-LOAD DETOUR AROUND BRIDGE. MAY REQUIRE TEMPORARY LANE CLOSURE, LATE NIGHT OR NON-PEAK HOURS TO COMPLETE ASPHALT REMOVAL AND OVERLAY PLACEMENT. PROVIDE REQUIRED TRAFFIC CONTROL TO MAINTAIN AT LEAST ONE 16'-0" LANE OF TRAFFIC AT ALL TIMES ON I-275 SBL AND I-275 NBL.
2. REMOVE ASPHALT FROM EXISTING BRIDGE AND APPROACH TRANSITIONS AND REPLACE WITH DECK SEAL AND 3¼" ASPHALT OVERLAY ON THE BRIDGE AND ASPHALT IN THE TRANSITIONS.
3. PROVIDE PARTIAL AND FULL DEPTH DECK REPAIRS USING EIGHTEEN (18) HOUR HIGH EARLY STRENGTH CONCRETE.
4. REMOVE AND REPLACE EXISTING DECK JOINTS AT BENT NOS. 1 AND 4 AS SHOWN IN THE PLANS. SEE THE TENNESSEE DEPARTMENT OF TRANSPORTATION'S QUALIFIED PRODUCTS LIST.
5. CLEAN OUT EXISTING END DRAIN. COST INCLUDED IN OTHER ITEMS.
6. REMOVE AND REPLACE EXISTING APPROACH ASPHALT TRANSITIONS. BEGIN NEW TRANSITIONS AT SAME LOCATION AS EXISTING.
7. REPAIR SPALLED AREAS ON ALL BEAMS AND SUBSTRUCTURES.
8. REPLACE DIAPHRAGMS AT BENT NOS. 1 AND 4.
9. EPOXY INJECT CRACKS ON BEAMS, DIAPHRAGMS, AND SUB-STRUCTURES AS SHOWN IN THE PLANS.
10. REPAIR MEDIAN BARRIERS ON I-275 AT BENT NO. 2 (NORTHBOUND AND SOUTHBOUND LANES) AS SHOWN IN THE PLANS.
11. REPLACE GUARDRAIL PLATE, NUTS, AND MISSING BOLT ON GUARDRAIL ATTACHED TO BARRIER AT BENT NO. 1. SEE STD. DWG. STD-I-1. COST TO BE INCLUDED IN OTHER ITEMS.
12. INSTALL LOW CLEARANCE SIGNS ON I-275 APPROACH TO OVERPASS STRUCTURE. QUANTITIES FOR SIGNAGE INCLUDED IN ROADWAY ITEMS.
13. REPAIR SLOPE PAVING AT ABUTMENT NO. 1.
14. HAND OR POWER TOOL CLEAN STEEL BEARINGS AND PAINT GREY.
15. TEXTURE COAT BRIDGE RAILS, SIDES AND BOTTOM OF BEAMS, SUB-STRUCTURES, MEDIAN BARRIERS, AND BENT PROTECTION BARRIERS. STOP BRIDGE RAIL TEXTURE COATING AT END OF RAIL AT ABUTMENT NO. 1.
16. INSTALL DELINEATORS ON TOP OF BRIDGE RAILS. COST TO BE INCLUDED IN OTHER ITEMS.

STATE ROUTE 9 2014 ADT = 33,460
POSTED SPEED LIMIT = 45 M.P.H.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

LAYOUT OF BRIDGE TO BE REPAIRED
STATE ROUTE 9 OVER
INTERSTATE 275
BRIDGE NO. 47-SR009-07.18
KNOX COUNTY
2014

BR-116-85

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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TOTAL DISTURBED AREA 7,200 S.F. (0.17 ACRES)