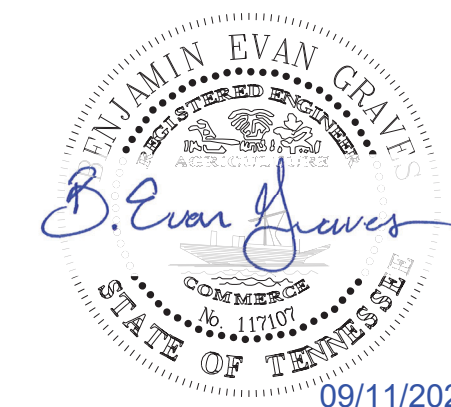




THIS DOCUMENT HAS BEEN DIGITALLY SIGNED AND SEALED BY:

Benjamin Graves

2026.09.15 10:02:28-05'00'

PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED. THE SIGNATURE MUST BE VERIFIED ON THE ELECTRONIC DOCUMENTS.

COMPANY NAME HDR ENGINEERING
ADDRESS 120 BRENTWOOD COMMONS WAY
SUITE 525
CITY, STATE BRENTWOOD, TN 37211
PE NAME, PE NUMBER B. EVAN GRAVES, 117107

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE OF TENN. CODE ANN. §62-2-306.

SHEET NAME	SHEET NO.
SIGNATURE SHEET.....	STRUCTURE-SIGN3
TITLE SHEET.....	1
ESTIMATED QUANTITIES.....	2
TRAFFIC CONTROL QUANTITIES AND NOTES.....	7

YEAR	PROJECT NO.	SHEET NO.
2026	ER-BR-STP-353(13)	STRUCTURE-SIGN-3

**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

SIGNATURE SHEET

Index Of Sheets

SIGNATURE SHEET	STRUCTURE-SIGN1 THRU STRUCTURE-SIGN3
TITLE SHEET	1
ESTIMATED QUANTITIES.....	2
GENERAL NOTES.....	3
PROJECT COMMITMENTS.....	4
TRAFFIC CONTROL PLANS.....	5-6
TRAFFIC CONTROL QUANTITIES AND NOTES.....	7

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

SHELBY COUNTY

BRIDGE OVER RIVERDALE ROAD, LM 3.57

PS&E

BRIDGE REPAIR

SR385

F.A.H.S. NO.

DRAWING NO.	CURRENT REVISION DATE	DESCRIPTION
-------------	-----------------------	-------------

ROADWAY DESIGN STANDARDS

RD-A-1	02-20-20	STANDARD ABBREVIATION A THROUGH L
RD-A-2		STANDARD ABBREVIATION M THROUGH Z
RD-L-1	01-30-26	STANDARD LEGEND
RD-L-1A		STANDARD LEGEND
RD11-S-11A		ROADSIDE DITCH DETAILS FOR DESIGN AND CONSTRUCTION

ROADWAY & PAVEMENT APPURTENANCES

RP-J-9	05-01-20	CONTRACTION AND CONSTRUCTION JOINTS FOR CONCRETE PAVEMENT
--------	----------	---

DESIGN - TRAFFIC CONTROL

T-WZ-10	03-26-25	ADVANCE ROAD WORK SIGNING ON HIGHWAYS AND FREEWAYS
T-WZ-16	03-26-25	LANE SHIFT FOR DIVIDED HIGHWAYS AND FREEWAYS
T-WZ-18	03-26-25	SHOULDER CLOSURE DETAIL FOR FREEWAYS AND DIVIDED HIGHWAYS
T-TW-FAB1	03-26-25	FLASHING YELLOW ARROW BOARD
T-TW-PCB2	03-26-25	20 FOOT PORTABLE CONCRETE BARRIER RAIL
T-TW-PCB3	03-26-25	PROTABLE CONCRETE BARRIER RAIL DETAILS

REFERENCE DRAWINGS

(TO BE PRINTED WITH PLANS)

M-262-121 THRU M-262-134	EXISTING BRIDGE PLANS
--------------------------	-----------------------

SPECIAL PROVISIONS

108B
712PTQ

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE COMMISSIONER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED APRIL 1, 2026 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

TDOT DESIGN MANAGER: SEAN MONTGOMERY

DESIGNER : EVAN GRAVES

CHECKED BY : CARTER BEARDEN

P.E. NO. 79S385-M3-002

PIN NO. 132665.00

BRIDGE LENGTH

0.044 MILES

PROJECT LENGTH

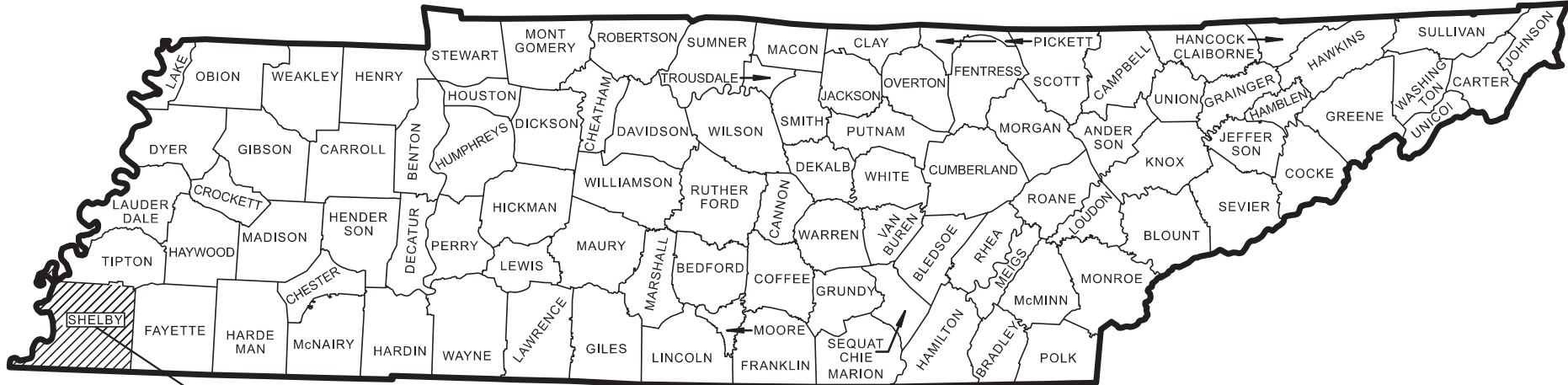
0.064 MILES

DOES THIS PROJECT QUALIFY FOR UTILITY CHAPTER 86	NO
WORK ZONE SIGNIFICANCE DETERMINATION	
SIGNIFICANT	YES
RAILROAD INVOLVEMENT	NO

NO UTILITY CONFLICTS ARE ANTICIPATED
BASED ON SCOPE OF WORK

TENN.	YEAR 2026	SHEET NO. 1
FED. AID PROJ. NO.		
STATE PROJ. NO.		79S385-M3-002

REVISION 08-07-26: INDEX OF SHEETS AND MAP REVISED.
REVISION 09-11-26: INDEX OF SHEETS, TRAFFIC DATA, AND
SPECIAL PROVISIONS REVISED.



PROJECT LOCATION

BRIDGE ID. NO. 79-SR385-03.57

LIST OF BRIDGE DRAWINGS

LAYOUT OF BRIDGE TO BE REPAIRED	BR-133-365
ESTIMATED QUANTITIES	BR-133-366
GENERAL NOTES.....	BR-133-367
PHASED CONSTRUCTION DETAILS	BR-133-368
GENERAL REPAIR DETAILS.....	BR-133-369

NO EXCLUSIONS



APPROVED:

Shane Hester

SHANE HESTER, DEPUTY COMMISSIONER /
CHIEF ENGINEER

DATE:

APPROVED:

Will Reid

WILL REID, DEPUTY GOVERNOR &
COMMISSIONER

TRAFFIC DATA

AADT (2023)	126,362
POSTED SPEED	55 MPH

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DIVISION ADMINISTRATOR

DATE

CONST. NO. 79S385-M3-002

PROJECT NO.	YEAR	SHEET NO.
79S385-M3-002	2026	2

[illegible]

ESTIMATED BRIDGE QUANTITIES				
ITEM NO.		DESCRIPTION	UNIT	TOTAL QUANTITY
①	201-05.31	VEGETATION REMOVAL	LS	1
	303-01.02	GRANULAR BACKFILL (BRIDGES)	TON	185
	502-08.02	RESEALING JOINTS (SILICONE SEALANT)	L.F.	831
	604-04.05	BRIDGE END DRAINS (12")	EACH	4
	610-07.01	12" PIPE DRAIN (BRIDGE DRAIN)	L.F.	403
⑤	703-01	PORTLAND CEMENT CONCRETE DITCH PAVING	C.Y.	18.2
	712-01	TRAFFIC CONTROL	LS	1
	712-02.10	PORTABLE BARRIER RAIL (MASH TL-3)	L.F.	1270
	712-02.60	TEMPORARY WORK ZONE CRASH CUSHION (MASH TL-3)	EACH	2
	712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	119
⑥	712-04.50	BARRIER RAIL DELINEATOR	EACH	40
	712-06	SIGNS (CONSTRUCTION)	S.F.	568
	712-08.12	QUEUE PROTECTION TRUCK	DAY	4
	712-09.08	REMOVABLE PAVEMENT MARKING (6" LINE)	L.F.	17520
	712-09.30	REMOVABLE BLACK-OUT TAPE (6")	L.F.	11580
②	716-01.11	RAISED PYMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	228
	717-01	MOBILIZATION	LS	1

- ① THIS ITEM MAY BE INCREASED OR DECREASED AS DIRECTED BY THE ENGINEER.
- ② 303-01.02 INCLUDES COST OF ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED FOR REMOVAL OF VEGETATION, GRADING, AND PLACEMENT OF TYPE A GRADING D BACKFILL IN AREAS OF EROSION BETWEEN WINGWALLS & RETAINING WALLS AND THE COST OF ALL LABOR AND MATERIALS TO FURNISH, HAUL, AND PLACE FILL MATERIAL FOR THE SIDE DRAIN AT THE BRIDGE CORNERS. FOR NOTES AND DETAILS, SEE DWG. NOS. BR-133-365 AND BR-133-369.
- ③ 502-08.02 INCLUDES COST OF ALL LABOR, EQUIPMENT AND MATERIALS REQUIRED FOR PLACEMENT OF SILICONE JOINTS BETWEEN FLUMES AND ABUTMENTS OR RETAINING WALLS. FOR NOTES AND DETAILS, SEE DWG. NOS. BR-133-365 AND BR-133-369.
- ④ 604-04.05 INCLUDES COST OF ALL LABOR, EQUIPMENT, MATERIALS, HIGH EARLY STRENGTH CONCRETE, NEW REINFORCING STEEL AND EXCAVATION NECESSARY FOR NEW CONCRETE DRAINS. FOR NOTES AND DETAILS, SEE DWG. NO. BR-133-369.
- ⑤ 703-01 INCLUDES COST TO FORM AND POUR CONCRETE FOR PAVED DITCH BETWEEN ABUTMENTS & RETAINING WALLS. FOR NOTES AND DETAILS, SEE DWG. NO. BR-133-365.
- ⑥ 712-02.60 THIS ITEM SHALL BE A PORTABLE ENERGY ABSORBING TERMINAL MEETING THE REQUIREMENTS OF AASHTO MASH FOR TEST LEVEL 3. THE PAY ITEM WILL INCLUDE FURNISHING AND INSTALLING ALL COMPONENTS AS LISTED ON THE MANUFACTURER'S BILL OF MATERIALS.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED QUANTITIES

STATE ROUTE 385
OVER RIVERDALE RD
BRIDGE NO. 79-SR385-03.57
FED. ID NO. 79SR3850013
SHELBY COUNTY
2026

DESIGNED BY	<u>Rawleigh S. Richardson Jr.</u>	DATE	<u>07/09/24</u>
DRAWN BY	<u>Rawleigh S. Richardson Jr.</u>	DATE	<u>07/09/24</u>
SUPERVISED BY	<u>Benjamin E. Graves</u>	DATE	<u>07/22/24</u>
CHECKED BY	<u>Lane M. Decker</u>	DATE	<u>07/22/24</u>



BR-133-366

CONSTRUCTION WORK ZONE & TRAFFIC CONTROL NOTES

1. ADVANCED WARNING SIGNS SHALL NOT BE DISPLAYED MORE THAN FORTY-EIGHT (48) HOURS BEFORE PHYSICAL CONSTRUCTION BEGINS. SIGNS MAY BE ERECTED UP TO ONE WEEK BEFORE NEEDED, IF THE SIGN FACE IS FULLY COVERED.
2. IF THE CONTRACTOR MOVES OFF THE PROJECT, HE SHALL COVER OR REMOVE ALL UNNEEDED SIGNS AS DIRECTED BY THE ENGINEER. COSTS OF REMOVAL, COVERING, AND REINSTALLING SIGNS SHALL NOT BE MEASURED AND PAID FOR SEPARATELY, BUT ALL COSTS SHALL BE INCLUDED IN THE ORIGINAL UNIT PRICE BID FOR ITEM NO 712-06, SIGNS (CONSTRUCTION) PER SQUARE FOOT.
3. A LONG TERM BUT SPORADIC USE WARNING SIGN, SUCH AS A FLAGGER SIGN, MAY REMAIN IN PLACE WHEN NOT REQUIRED PROVIDED THE SIGN FACE IS FULLY COVERED.
4. TRAFFIC CONTROL DEVICES SHALL NOT BE DISPLAYED OR ERECTED UNLESS RELATED CONDITIONS ARE PRESENT NECESSITATING WARNING.
5. USE OF BARRICADES, PORTABLE BARRIER RAILS, VERTICAL PANELS, AND DRUMS SHALL BE LIMITED TO THE IMMEDIATE AREAS OF CONSTRUCTION WHERE A HAZARD IS PRESENT. THESE DEVICES SHALL NOT BE STORED ALONG THE ROADWAY WITHIN THIRTY (30) FEET OF THE EDGE OF THE TRAVELED WAY BEFORE OR AFTER USE UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES. THESE DEVICES SHALL BE REMOVED FROM THE CONSTRUCTION WORK ZONE WHEN THE ENGINEER DETERMINES THEY ARE NO LONGER NEEDED. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS THIRTY (30) FEET SETBACK, THE ENGINEER SHALL APPROVE ALTERNATE LOCATIONS.
6. THE CONTRACTOR SHALL NOT BE PERMITTED TO PARK ANY VEHICLES OR CONSTRUCTION EQUIPMENT DURING PERIODS OF INACTIVITY, WITHIN THIRTY (30) FEET OF THE EDGE OF PAVEMENT WHEN THE LANE IS OPEN TO TRAFFIC UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES. PRIVATELY OWNED VEHICLES SHALL NOT BE ALLOWED TO PARK WITHIN THIRTY (30) FEET OF AN OPEN TRAFFIC LANE AT ANY TIME UNLESS PROTECTED AS DESCRIBED ABOVE. WHERE THERE IS INSUFFICIENT RIGHT-OF-WAY TO PROVIDE FOR THIS THIRTY (30) FEET SETBACK, THE ENGINEER SHALL APPROVE ALTERNATE LOCATIONS.
7. ALL DETOUR AND CONSTRUCTION SIGNING SHALL BE IN STRICT ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
8. T.D.O.T. CONSTRUCTION OFFICE SHALL NOTIFY THE OVERWEIGHT AND PERMITS OFFICE OF LANE WIDTH RESTRICTIONS DURING CONSTRUCTION PRIOR TO ALLOWING THE CONTRACTOR TO INSTALL TRAFFIC CONTROL. PERMIT VEHICLES WILL NOT BE ALLOWED UNTIL CONSTRUCTION IS COMPLETE AND FULL LANE WIDTHS HAVE BEEN RESTORED.

ADDITIONAL TRAFFIC CONTROL NOTES

ADVANCED WARNING SIGNS TO BE PLACED PRIOR TO CONSTRUCTION AND REMAIN IN PLACE UNTIL THE COMPLETION OF THIS PROJECT.

THE TRAFFIC CONTROL PLAN DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF INSTALLING TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE CURRENT EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".

IF ADDITIONAL SIGNS ARE DEEMED NECESSARY BY THE ENGINEER, THEY SHALL BE FURNISHED AND INSTALLED AT THE UNIT PRICE BID, ITEM NO. 712-06 SIGNS (CONSTRUCTION) S.F.

MISCELLANEOUS NOTES

1. NOTHING IN THE GENERAL NOTES OR SPECIAL PROVISIONS SHALL RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITIES TOWARD THE SAFETY AND CONVENIENCE OF THE GENERAL PUBLIC AND THE BUSINESSES ALONG THE PROPOSED CONSTRUCTION AREA.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR LOSS OF EXISTING SIGNS DURING CONSTRUCTION. EXISTING SIGNS SHALL BE REMOVED AND REPLACED AS NECESSARY.

SPECIAL NOTES

1. TRAFFIC CONTROL PLAN - SEE SHEETS 5 THROUGH 6 AND STD. DWG. NOS. T-WZ-10 AND T-WZ-16.

TYPE	YEAR	PROJECT NO.	SHEET NO.
L&G	2026	79S385-M3-002	7

REVISION 09-11-26: QUANTITIES REVISED.

TRAFFIC CONTROL SIGN QUANTITIES				
TYPE	DESCRIPTION	SIZE	EACH	S.F.
G20-2	END ROAD WORK	48"X24"	4	32
R2-1	SPEED LIMIT 45	48"X60"	6	120
R2-5A	REDUCED SPEED AHEAD	48"X60"	4	80
R4-9	STAY IN LANE	48"X60"	4	80
W1-4CL	3 LANE SHIFT - LEFT	48"X48"	4	64
W1-4CR	3 LANE SHIFT - RIGHT	48"X48"	4	64
W20-1	ROAD WORK 1 MILE	48"X48"	4	64
W20-1	ROAD WORK 1/2 MILE	48"X48"	4	64
TOTAL				568

TRAFFIC CONTROL QUANTITIES			
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
712-01	TRAFFIC CONTROL	LS	1
712-02.10	PORTABLE BARRIER RAIL (MASH TL-3)	L.F.	1270
712-02.60	TEMPORARY WORK ZONE CRASH CUSHION (MASH TL-3)	EACH	2
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	119
712-04.50	BARRIER RAIL DELINEATOR	EACH	40
712-06	SIGNS (CONSTRUCTION)	S.F.	568
712-08.12	QUEUE PROTECTION TRUCK	DAY	4
712-09.08	REMOVABLE PAVEMENT MARKING (6" LINE)	L.F.	17520
712-09.30	REMOVABLE BLACK-OUT TAPE (6")	L.F.	11580
716-01.11	RAISED PVMT MARKERS (BI-DIRECTIONAL) (1 COLOR LENS)	EACH	228
717-01	MOBILIZATION	LS	1

- ① 712-02.60 THIS ITEM SHALL BE A PORTABLE ENERGY ABSORBING TERMINAL MEETING THE REQUIREMENTS OF AASHTO MASH FOR TEST LEVEL 3. THE PAY ITEM WILL INCLUDE FURNISHING AND INSTALLING ALL COMPONENTS AS LISTED ON THE MANUFACTURERS BILL OF MATERIALS.

SEALED BY



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL
QUANTITIES AND
NOTES