

DESIGN DESIGNATION

A.A.D.T. - 2024 = 7419  
D.H.V. = 7%  
T = 23%  
V = 65 M.P.H.  
D = 50%

FUNCTIONAL CLASSIFICATION-PRINCIPAL ARTERIAL

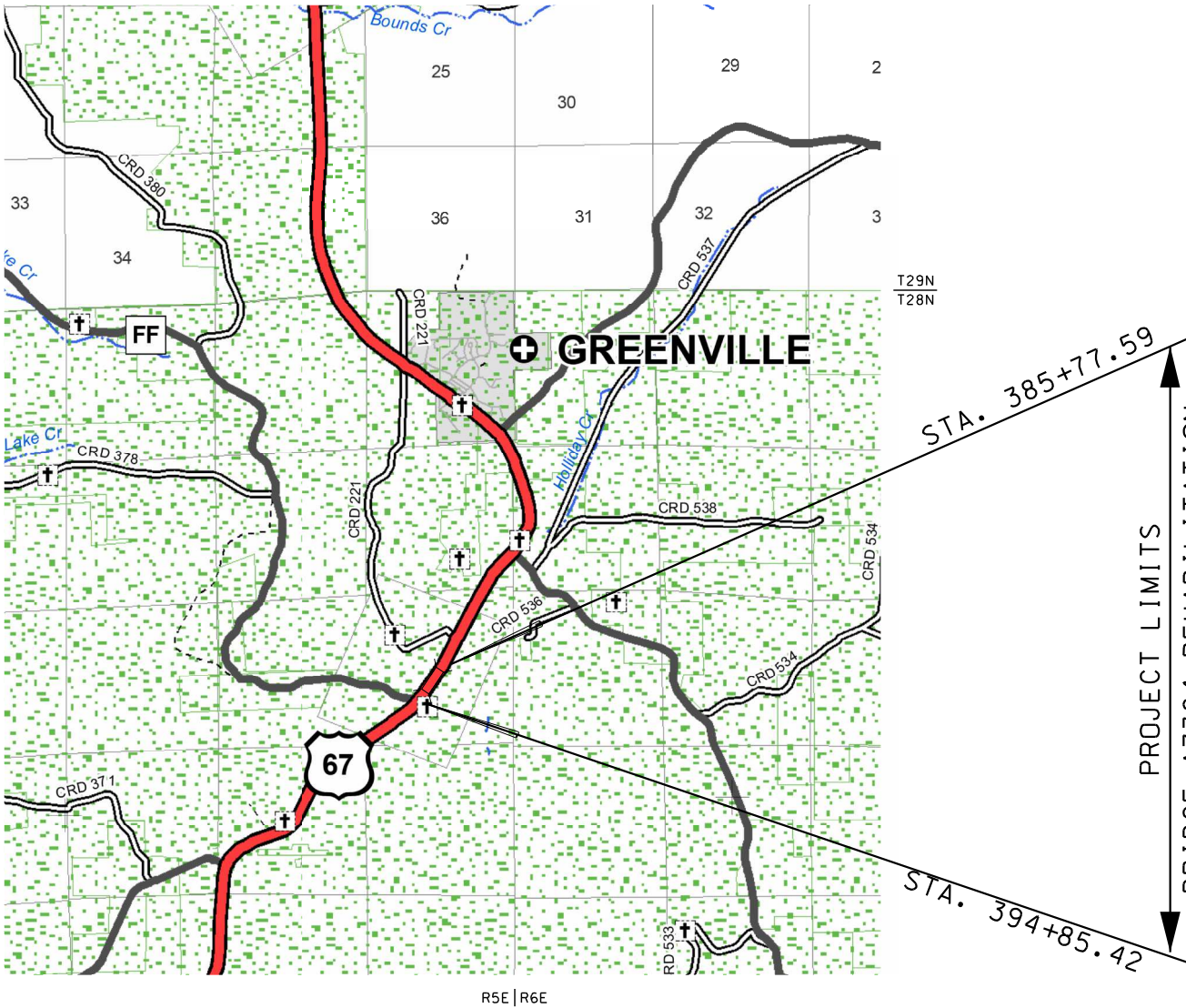
NO NEW RIGHT OF WAY

CONVENTIONAL SYMBOLS  
(USED IN PLANS)

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
GUARD CABLE		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	-FO-	-FO-
OVERHEAD CABLE TV	-OTV-	-OTV-
UNDERGROUND CABLE TV	-UTV-	-UTV-
OVERHEAD TELEPHONE	-OT-	-OT-
UNDERGROUND TELEPHONE	-UT-	-UT-
OVERHEAD POWER	-OE-	-OE-
UNDERGROUND POWER	-UE-	-UE-
SANITARY SEWER	-S-	-S-
STORM SEWER	-SS-	-SS-
GAS	-G-	-G-
WATER	-W-	-W-
MANHOLE		
FIRE HYDRANT		
WATER VALVE		
WATER METER		
DROP INLET		
DITCH BLOCK		
GROUND MOUNTED SIGN		
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL		
FENCE		
CHAIN LINK		
WOVEN WIRE		
GATE POST		
BENCHMARK		

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION  
PLANS FOR PROPOSED  
STATE HIGHWAY  
WAYNE COUNTY



THE EXISTENCE AND APPROXIMATE LOCATION OF UTILITY FACILITIES KNOWN TO EXIST, AS SHOWN ON THE PLANS, ARE BASED ON THE BEST INFORMATION AVAILABLE TO THE COMMISSION AT THIS TIME. THIS INFORMATION IS PROVIDED BY THE COMMISSION "AS-IS" AND THE COMMISSION EXPRESSLY DISCLAIMS ANY REPRESENTATION OR WARRANTY AS TO THE COMPLETENESS, ACCURACY, OR SUITABILITY OF THE INFORMATION FOR ANY USE. RELIANCE UPON THIS INFORMATION IS DONE AT THE RISK AND PERIL OF THE USER, AND THE COMMISSION SHALL NOT BE LIABLE FOR ANY DAMAGES THAT MAY ARISE FROM ANY ERROR IN THE INFORMATION. IT IS, THEREFORE, THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE, LOCATION AND STATUS OF ANY FACILITY. SUCH VERIFICATION INCLUDES DIRECT CONTACT WITH THE LISTED UTILITIES.

INDEX OF SHEETS

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QUANTITIES (QU) (2 SHEETS)-----	3
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A7384-----	1-3



THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED  
9/24/2024

ROUTE 67 STATE MO  
DISTRICT SE SHEET NO. 1

COUNTY WAYNE  
JOB NO. JSE0198  
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

LENGTH OF PROJECT

BEGINNING OF PROJECT	STA. 385 + 77.59
END OF PROJECT	STA. 394 + 85.42

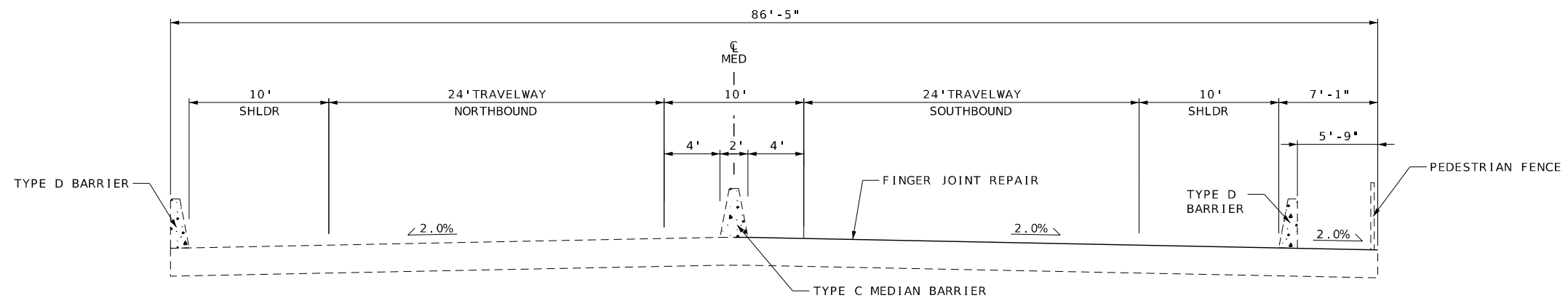
APPARENT LENGTH 907.83 FEET

EQUATIONS AND EXCEPTIONS:

TOTAL CORRECTIONS	0 FEET
NET LENGTH OF PROJECT	907.83 FEET
STATE LENGTH	0.172 MILES

FOR INFORMATION ONLY  
ESTIMATED DISTURBED ACRES 0 ACRES





DRAWING NOT TO SCALE. FOLLOW DIMENSIONS

TYPICAL SECTION  
SHEET 1 OF 1



THIS SHEET HAS BEEN  
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ELECTRONICALLY.

DATE PREPARED  
9/24/2024

ROUTE 67	STATE MO
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DISTRICT SE	SHEET NO. 2
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COUNTY  
WAYNE

JOB NO.  
JSE0198

CONTRACT ID.
--------------

PROJECT NO.
-------------

BRIDGE NO.
------------

[illegible]

**MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION**

 **MoDOT**

105 WEST CAPITAL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)

**Pickering**  
Pickering Firm, Inc.  
101 South Church Street, Suite 303  
Jonesboro, AR 72401  
Phone: 870.336.0117  
Missouri Certificate of Authority No. 2012006790

TEMPORARY PAVEMENT MARKING				
DESCRIPTION	LOCATION	TEMPORARY REMOVABLE MARKING TAPE 4" SOLID WHITE LF	TEMPORARY REMOVABLE MARKING TAPE 4" SOLID YELLOW LF	REMARKS
SOUTHBOUND				
OUTSIDE LANE CLOSURE	LT. & RT. OF C.L.	2066		EDGE LINE MARKING
INSIDE LANE CLOSURE	LT. & RT. OF C.L.	900	2040	EDGE LINE MARKING
	TOTAL	2966	2040	

PAVEMENT MARKING REMOVAL			
DESCRIPTION	LOCATION	PAVEMENT MARKING REMOVAL LF	REMARKS
SOUTHBOUND			
OUTSIDE LANE CLOSURE	LT & RT OF C.L.	2066	TEMPORARY PAVEMENT MARKING REMOVAL
OUTSIDE LANE CLOSURE	C.L.	315	PERMANENT PAVEMENT MARKING REMOVAL
INSIDE LANE CLOSURE	LT & RT OF C.L.	2940	TEMPORARY PAVEMENT MARKING REMOVAL
INSIDE LANE CLOSURE	C.L. & RT OF C.L.	1538	PERMANENT PAVEMENT MARKING REMOVAL
	TOTAL	6859	

MOBILIZATION
LUMP SUM 1

PERMANENT PAVEMENT MARKING					
DESCRIPTION	LOCATION	HIGH BUILD WATERBORNE TYPE L BEADS		HIGH BUILD WATERBORNE TYPE L BEADS 6" SOLID YELLOW LF	REMARKS
		6" INTERMITTENT WHITE LF	6" SOLID WHITE LF		
SOUTHBOUND LANES	EDGE LINE & C.L.	560	2240	2240	
	TOTAL	2800		2240	




THIS SHEET HAS BEEN  
SIGNED, SEALED AND DATED  
ELECTRONICALLY.

DATE PREPARED	
9/24/2024	
ROUTE	STATE
67	MO
DISTRICT	SHEET NO.
SE	3
COUNTY	
WAYNE	
JOB NO.	
JSE0198	
CONTRACT ID.	

PROJECT NO.
BRIDGE NO.

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION



105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
1-888-ASK-MODOT (1-888-275-6636)



**Pickering**  
Pickering Firm, Inc.  
101 South Church Street, Suite 303  
Jonesboro, AR 72401  
Phone: 870.336.0117  
Missouri Certificate of Authority No. 2012006790

EFFECTIVE: 07-01-2024



DATE PREPARED  
9/24/2024

ROUTE	STATE
67	MO

DISTRICT	SHEET NO.
SF	3

COUNTY  
WAYNE


JOB NO.  
ISE0198

CONTRACT ID.
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PROJECT NO.
-------------

BRIDGE NO.
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DATE



MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

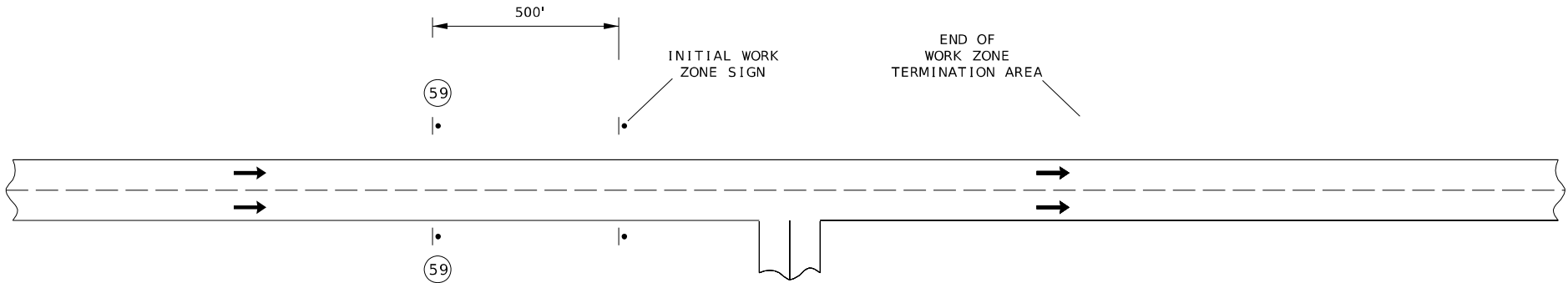
JEFFERSON

1-888-ASK-MODOT (1-888-275-6638)



CONST-8

59



BEGIN/END OF PROJECT  
SIGNING

NOTES:

ADDITIONAL WARNING SIGNS SHALL BE ERECTED AT OTHER INTERSECTIONS  
WITHIN THE WORK AREA. AS DIRECTED BY THE ENGINEER.

ANY EXISTING SIGNING THAT CONFLICTS WITH THE TRAFFIC CONTROL  
SIGNING SHALL BE COMPLETELY COVERED OR REMOVED.

NO PAYMENT WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNS  
FOR THIS OPERATION.

DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

TRAFFIC CONTROL LEGEND

• SIGN ( SINGLE SIDED )



THIS SHEET HAS BEEN  
SIGNED, SEALED AND DATED  
ELECTRONICALLY.

DATE PREPARED  
9/24/2024

ROUTE 67	STATE MO
DISTRICT SE	SHEET NO. 4

COUNTY  
WAYNE

JOB NO.  
JSE0198

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION  
COMMISSION

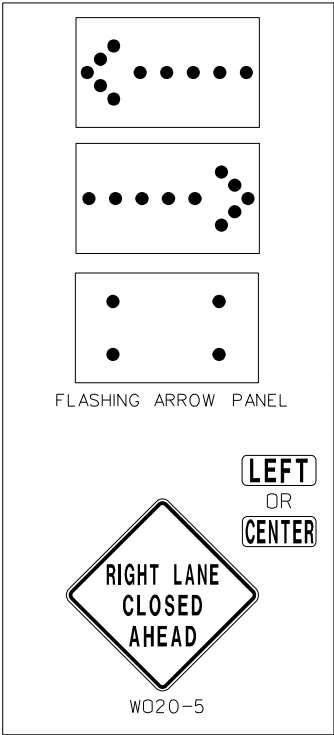
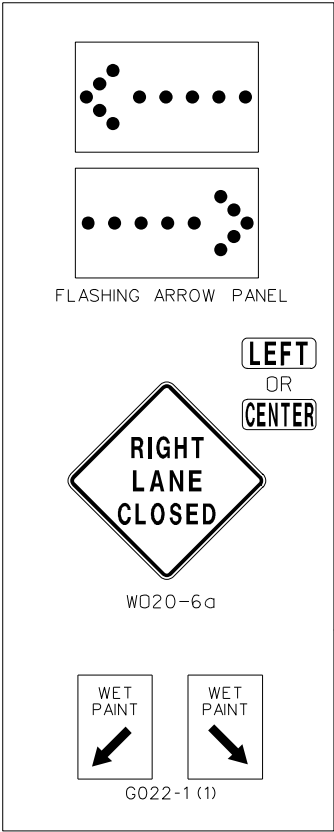
105 WEST CAPITOL  
JEFFERSON CITY, MO 65102  
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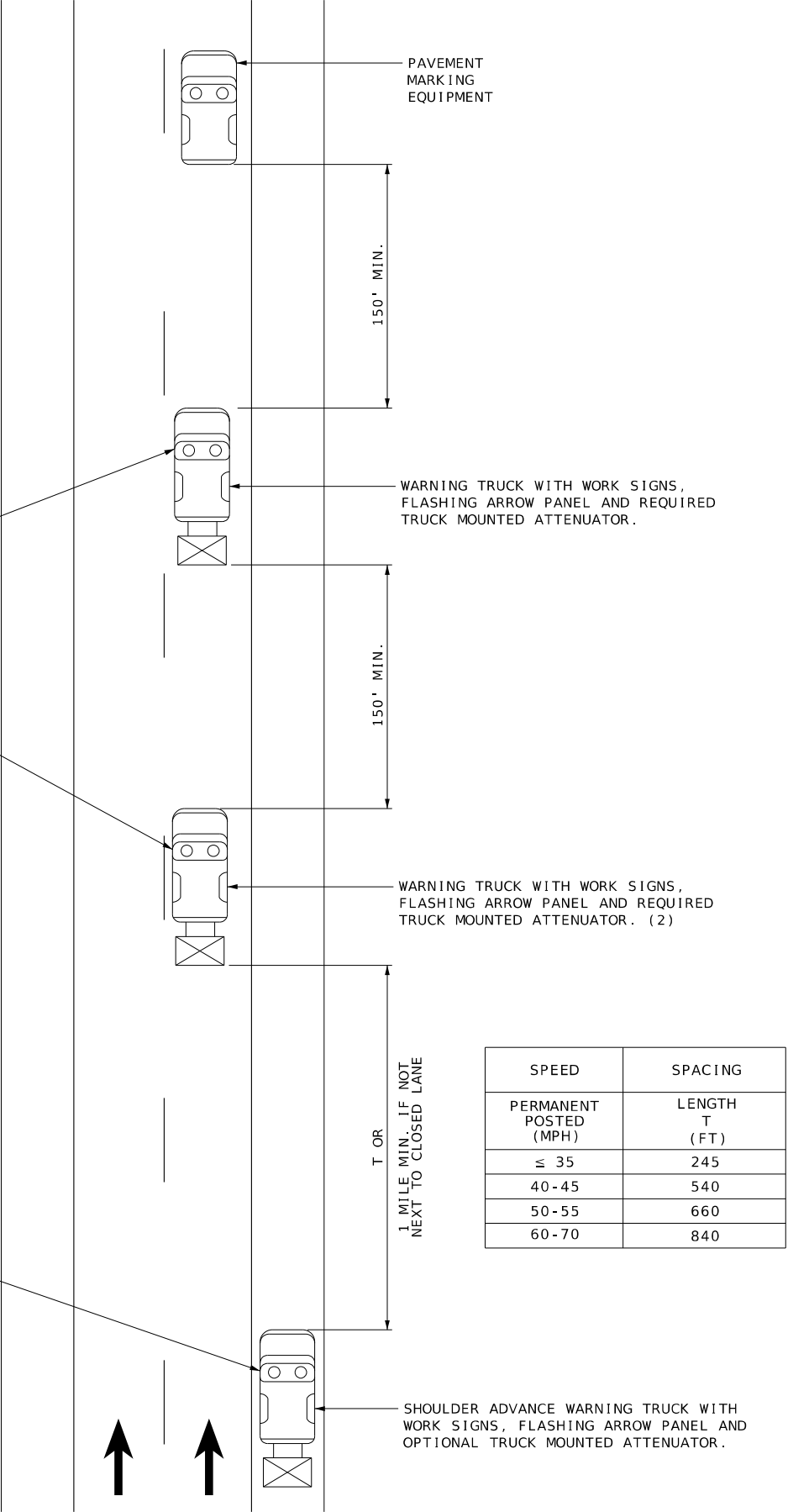




Missouri Certificate of Authority No. 2012006790



STRIPING ON MULTI-LANE HIGHWAY



NOTES:

UPON APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY PROVIDE ADDITIONAL PROTECTIVE TRUCKS EQUIPPED WITH PROPER WARNING DEVICES.

PROTECTIVE TRUCKS AND WORK VEHICLES SHALL DISPLAY HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLE'S HIGH-INTENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

VEHICLE-MOUNTED SIGNS SHALL BE MOUNTED IN A MANNER SUCH THAT THEY ARE NOT OBSCURED BY EQUIPMENT OR SUPPLIES. SIGN LEGENDS ON VEHICLE-MOUNTED SIGNS SHALL BE COVERED OR TURNED FROM VIEW WHEN WORK IS NOT IN PROGRESS.

FLASHING ARROW PANELS SHALL BE INCIDENTAL TO TRUCK MOUNTED ATTENUATORS, WHEREVER USED. NO ADDITIONAL PAYMENT WILL BE MADE.

FLASHING ARROW PANELS SHALL, AS A MINIMUM, BE TYPE B, WITH A SIZE OF 60 X 30 INCHES.

A FLASHING ARROW BOARD SHALL BE USED WHEN A FREEWAY LANE IS CLOSED. WHEN MORE THAN ONE LANE CLOSED, A SEPARATE FLASHING ARROW BOARD SHALL BE USED FOR EACH CLOSED LANE.

(1) WET PAINT SIGNS ARE INSTALLED TO INDICATE THE SIDE IN WHICH THE PAVEMENT MARKING MATERIAL IS BEING APPLIED. AT THE CONTRACTOR'S OPTION, A FRONT FACING WET PAINT SIGN MAY BE INSTALLED ON THE LEFT SIDE OF THE PAVEMENT MARKING EQUIPMENT.

(2) WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL, OR SPACING SHOWN, WHICH EVER IS GREATER.

NOT TO SCALE

STATE OF MISSOURI

THOMAS NEAL TAEGTMEYER

NUMBER PE-2014000093

PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 9/24/2024

ROUTE 67

STATE MO

DISTRICT SE

SHEET NO. 7

COUNTY WAYNE

JOB NO. JSE0198

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

MoDOT

105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)

Pickering

Pickering Firm, Inc. 101 South Church Street, Suite 303 Jonesboro, AR 72401 Phone: 870.336.0117 Missouri Certificate of Authority No. 2012006790



U.I.P. AND REHABILITATE (4 @ 123') CONTINUOUS COMPOSITE P/S CONCRETE BULB-TEE GIRDER SPANS  
(130'-175'-102') CONTINUOUS COMPOSITE PLATE GIRDER SPANS

SEC/SUR 13 TWP 28N RGE 5E

General Notes:

Design Specifications:

2004 - AASHTO LRFD 3rd Edition and 2005 Interim (Superstructure)  
Load and Resistance Factor Design  
2002 - AASHTO 17th Edition (Substructure)  
Load Factor Design  
Bridge Deck Rating = 7

Design Loading:

Vehicular = HL-93  
Future Wearing Surface = 35 lb/sf  
Earth = 120 lb/cf  
Equivalent Fluid Pressure = 45 lb/cf (Min.)

Design Unit Stresses:

Class B-2 Concrete (Superstructure, except Barrier)  $f'_c = 4,000$  psi  
Reinforcing Steel (ASTM A615 Grade 60)  $f_y = 60,000$  psi  
Structural Carbon Steel (ASTM A709 Grade 36)  $f_y = 36,000$  psi

Fabricated Steel Connections:

Field connections shall be made with 3/4-inch diameter ASTM F3125 Grade A325  
Type 1 Type 3 bolts and 13/16-inch diameter holes, except as noted.

Joint Filler:

All joint filler shall be in accordance with Sec 1057 for preformed sponge  
rubber expansion and partition joint filler, except as noted.

Reinforcing Steel:

Minimum clearance to reinforcing steel shall be 1 1/2", unless otherwise shown.

Traffic Handling:

Traffic to be maintained on structure during construction. See roadway plans for  
traffic control.

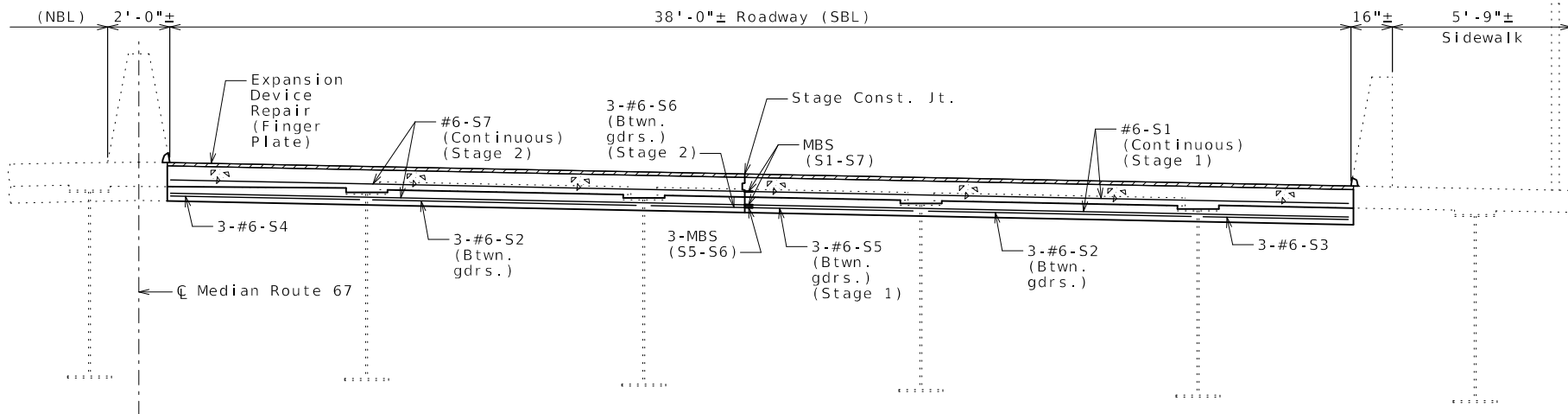
Miscellaneous:

High strength bolts, nuts and washers will be sampled for quality assurance as  
specified in Sec 106.

Outline of existing work is indicated by light dashed lines. Heavy lines  
indicate new work.

Contractor shall verify all dimensions in field before finalizing the shop  
drawings or ordering materials.

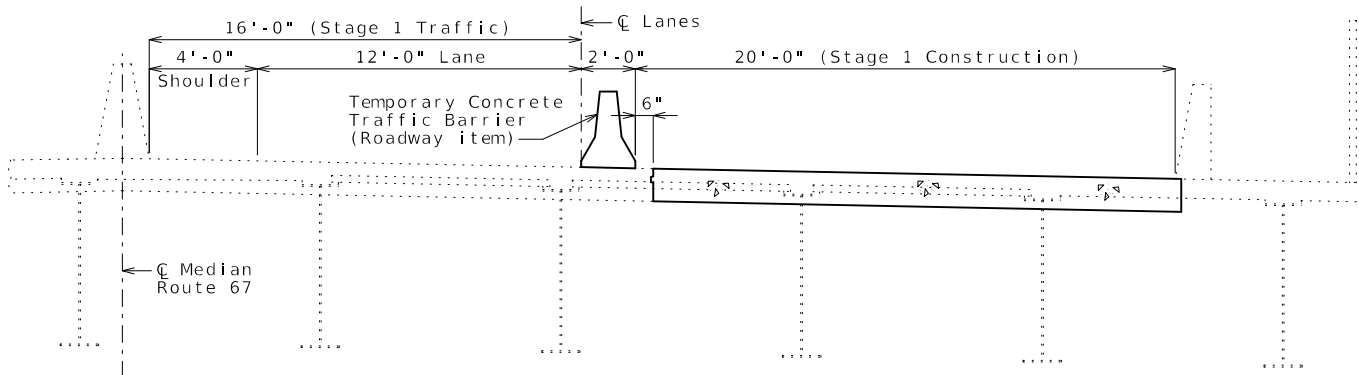
Mechanical Bar Splices may be referred to as MBS throughout the plans.



TYPICAL PART SECTION THRU EXISTING DECK

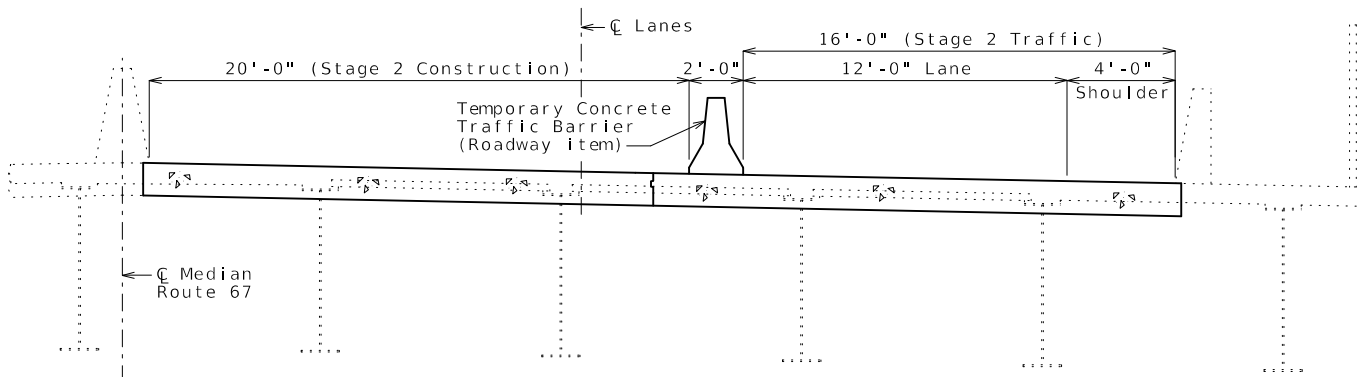
Full barrier removals and mechanical bar splices required for  
existing transverse reinforcement not shown for clarity.

For details of expansion device repair, see Sheet No. 2.



STAGE 1 CONSTRUCTION

Note: Method of attachment for temporary barrier shall be tie-down strap.



STAGE 2 CONSTRUCTION

REPAIRS TO BRIDGE:  
ROUTE 67 OVER ST. FRANCIS RIVER  
(WAPPAPELLO LAKE)

ROUTE 67 FROM ROUTE 34 TO ROUTE A  
ABOUT 6.6 MILES SOUTH OF ROUTE 34  
BEGINNING STATION 385+77.59 (MATCH EXISTING)

Estimated Quantities		
Item		Total
Partial Removal of Existing Expansion Joint and Adjacent Concrete	linear foot	38
Remove and Replace Barrier	linear foot	8
* Class B-2 Concrete	cu. yard	2.7
Mechanical Bar Splice	each	5
Reinforcing Steel (Epoxy Coated)	pound	280
Expansion Device Repair (Finger Plate)	linear foot	38

Note: Mechanical Bar Splices not required shall be underrun.

\* Steel Fiber Reinforcement shall be added to all Class B-2 Concrete in the  
superstructure at a rate of 15 pounds per cubic yard (See special  
provisions).

Bill of Reinforcing Steel				
No. Req.	Size/ Mark	Location	Total Length	Weight lb
2	6 S1	Slab (Stage 1)	19'-6"	59
6	6 S2	Slab (Stages 1 & 2)	8'-5"	76
3	6 S3	Slab (Stage 1)	4'-9"	21
3	6 S4	Slab (Stage 2)	6'-1"	27
3	6 S5	Slab (Stage 1)	5'-5"	24
3	6 S6	Slab (Stage 2)	3'-0"	14
2	6 S7	Slab (Stage 2)	18'-6"	56
6	5 R1	Barrier (Median)	3'-6"	22
6	5 R2	Barrier (Right)	6'-9"	42

Notes:

All bars shall be epoxy-coated Grade 60.

For dimensions of barrier bars (R1 & R2), see Sheet No. 3.

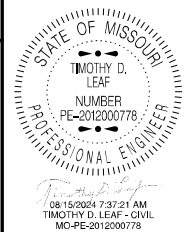
Cost of barrier bars will be considered completely covered  
by the contract price for Remove and Replace Barrier.

All S bars are straight bars.

Note: This drawing is not to scale. Follow dimensions.

Sheet No. 1 of 3

Detailed Aug. 2024  
Checked Aug. 2024



DATE PREPARED 8/15/2024	
ROUTE 67	STATE MO
DISTRICT BR	SHEET NO. 1
COUNTY WAYNE	
JOB NO. JSE0198	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO. A73841	

DESCRIPTION	DATE







OPTIONAL  
SECTION  
AT SIDEWALK

PART SECTION  
NEAR BARRIER  
SHOWING REINFORCEMENT

Expansion joint system and slab reinforcement not shown for clarity.



All dimensions are out to out.



## DETAILS OF OPTIONAL BARRIER REPLACEMENT

