

DESIGN DESIGNATION

MO-7 TO ADAMS DAIRY PKWY.

A.A.D.T. - 2025 = 79,800
A.A.D.T. - 2050 = 95,000
D.H.V. = 5,950
T = 23%
V = 65 MPH
D = 53%

FUNCTIONAL CLASSIFICATION - INTERSTATE

ADAMS DAIRY PKWY. TO BUCKNER-TARSENEY

A.A.D.T. - 2025 = 66,900
A.A.D.T. - 2050 = 79,700
D.H.V. = 5,000
T = 23%
V = 70 MPH
D = 51%

FUNCTIONAL CLASSIFICATION - INTERSTATE

FULLY LIMITED ACCESS RIGHT OF WAY REQUIRED

BEGINNING AND ENDING OF CONTROLLED ACCESS
NO RIGHT OF ACCESS OR CROSSING OF LINES BEARING THIS SYMBOL WILL BE PERMITTED UNDER ANY CIRCUMSTANCES.

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
OVERHEAD CABLE TV
UNDERGROUND CABLE TV
OVERHEAD TELEPHONE
UNDERGROUND TELEPHONE
OVERHEAD POWER
UNDERGROUND POWER
SANITARY SEWER
STORM SEWER
GAS
WATER
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

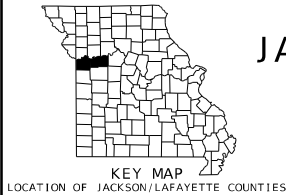
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED

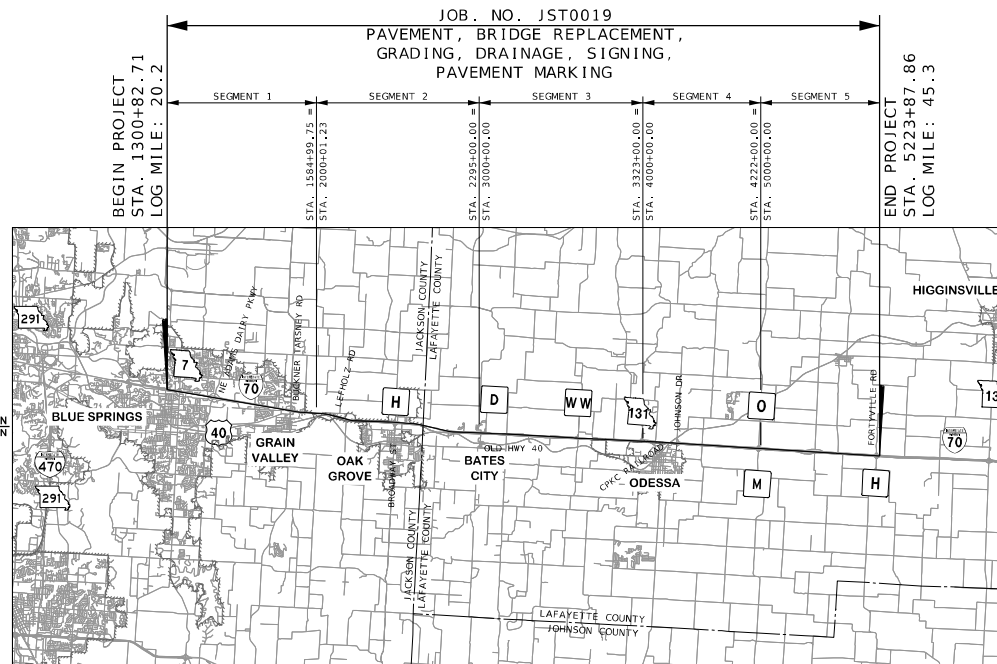
STATE HIGHWAY

JACKSON/LAFAYETTE COUNTIES

SEGMENT 3 A9746 E FORK SNI-A-BAR BRIDGE RFC PLANS



NOT TO SCALE



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

DESCRIPTION

SHEET NUMBER

SEE 0-IN01 FOR
INDEX OF SHEETS



DATE PREPARED
5/6/2026
ROUTE
1-70
DISTRICT
KC
COUNTY
JACK/LAFA
JOB NO.
JST0019
CONTRACT ID
250507-C01
PROJECT NO.

NO.	APPD. BY	DATE	REVISIONS
30	GDH	04/09/26	INDC018 - SEG. 3 A9744 A9745 PROF. REV.
31	GDH	04/10/26	SEG. 3 - A9747 A9748 & A9749 RFC
32	GDH	04/14/26	INDC019 - SEG. 0 HORIZ. CONTROL REV.
33	GDH	04/14/26	SEG. 3 - A9746 E FORK SNI-A-BAR FINAL
34	GDH	05/06/26	SEGMENT 4 - RFC PLANS
35	GDH	05/06/26	SEGMENT 4 - A9750 CPKC BRIDGE 100%
36	GDH	05/07/26	SEG. 3 - A9746 E FORK SNI-A-BAR RFC

LENGTH OF PROJECT

BEGINNING OF PROJECT STA. 1300+82.71

END OF PROJECT STA. 5223+87.86

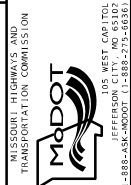
APPARENT LENGTH 134,805.85 FEET

EQUATIONS AND EXCEPTIONS:

EQUATIONS:
1584+99.75 BK. = 2000+00.00 AHD.
2295+00.00 BK. = 3000+00.00 AHD.
3323+00.00 BK. = 4000+00.00 AHD.
4222+00.00 BK. = 5000+00.00 AHD.

EXCEPTIONS:
1323+39.44 - 1324+91.60 = -153.16 FEET
1388+08.13 - 1390+69.13 = -261.00 FEET
1531+68.32 - 1540+98.32 = -930.00 FEET

TOTAL CORRECTIONS -1,344.16 FEET
NET LENGTH OF PROJECT 133,461.69 FEET
STATE LENGTH 25.277 MILES



MISSOURI HIGHWAYS AND
TRANSPORTATION COMMISSION
800 E 101st TRC, Ste 200
Kansas City, MO 64131
Phone (816) 702-5700
Fax (816) 242-3870
Missouri Dept. of
Transportation
Jefferson City, MO 65107
1-888-ASK-MDOT (1-888-275-6036)

**WILSON
& COMPANY**

SEC/SUR	32	TWP	49N	RGE	28W
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ROUTE 1-70 FROM ROUTE D TO ROUTE 131
ABOUT 2.0 MILES EAST OF ROUTE D
BEGIN STATION 3134+99.14

WILSON
& COMPANY

Estimated Quantities for Slab on Concrete NU-Girder		
Item		Total
Class B-2 Concrete	cu, yard	656
Reinforcing Steel (Epoxy Coated)	pound	164,730

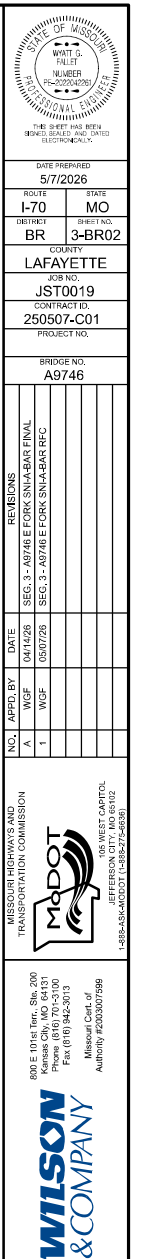
Slab shall be cast-in-place with stay-in-place corrugated steel forms. Precast prestressed panels will not be permitted.

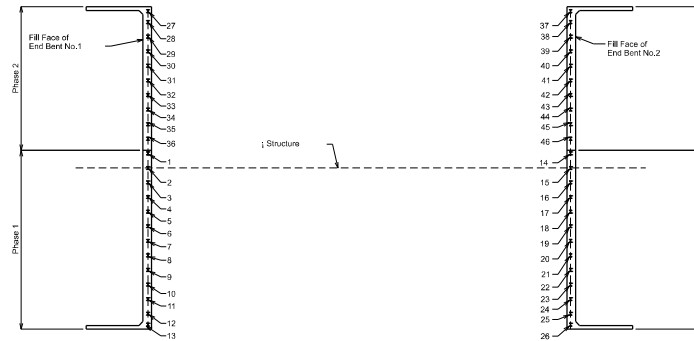
Hydrologic Data
Drainage Area = 33 mi
Design Flood Frequency = 100 years
Design Flood Discharge = 10,200 cfs
Design Flood (D.F.) Elevation = 745,5
Estimated Backwater = 0.8 ft
Average Velocity thru Opening = 10,8 ft/s
Freeboard (50-year)
Freeboard = 4,4 ft
Roadway Overtopping
Overtopping Flood Discharge = N/A
Overtopping Flood Frequency = >500 years
500-Yr. Flood Elevation = 748,9

Foundation Data				
Type	Design Data		Bent Number	
			1	2
Load Bearing Pile	Pile Type and Size		HP 12x53	HP 12x53
	Number	ea	23	23
	Approximate Length Per Each	ft	61	66
	Pile Point Reinforcement	ea	All	All
	Min. Galvanized Penetration (Elev.)	ft	723.16	725.80
	Pile Driving Verification Method		DT	DT
	Resistance Factor		0.65	0.65
	Minimum Nominal Axial Compressive Resistance	kip	416	416

Prebore to natural ground line.

2:37:17 PM 5/7/2026





PART PLAN SHOWING PILE NUMBERING FOR RECORDING AS-BUILT PILE DATA

As-Built Pile Data					
Pile No.	Length in Place (ft)	PDA Nom. Axial Compressive Resistance (kips)	PDA End of Drive Blow Count (blows/in.)	Actual End of Drive Blow Count (blows/in.)	Remarks
Phase 1 End Bent No. 1					
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
Phase 1 End Bent No. 2					
14					
15					
16					
17					
18					

As-Built Pile Data					
Pile No.	Length in Place (ft)	PDA Nom. Axial Compressive Resistance (kips)	PDA End of Drive Blow Count (blows/in.)	Actual End of Drive Blow Count (blows/in.)	Remarks
19					
20					
21					
22					
23					
24					
25					
26					
Phase 2 End Bent No. 1					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					

As-Built Pile Data					
Pile No.	Length in Place (ft)	PDA Nom. Axial Compressive Resistance (kips)	PDA End of Drive Blow Count (blows/in.)	Actual End of Drive Blow Count (blows/in.)	Remarks
Phase 2 End Bent No. 2					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					

Note:
Indicate in remarks column:
A. Pile type and grade
B. Batter
C. Driven to practical refusal
D. PDA test pile
E. Minimum tip elevation controlled
(Use when actual blow count is less than PDA blow count due to minimum tip elevation requirement. A plus sign (+) shall be placed after the PDA nominal axial compressive resistance value indicating actual value is higher than PDA value.)

This sheet to be completed by MoDOT construction personnel.

Detailed Mar. 2026
Checked Mar. 2026

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

Sheet No. 27 of 29

		DATE PREPARED 5/7/2026	
		ROUTE I-70	STATE MO
BRIDGE NO. BR 3-BR27		COUNTY LAFAYETTE	
JOB NO. JST0019		CONTRACT ID. 250507-C01	
PROJECT NO.		BRIDGE NO. A9746	
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION JEFFERSON CITY, MO 65102 1-888-454-4007 (1-888-275-6030)	NC A	DATE 04/14/26 WGF 05/07/26	
	REMISIONS SEC. 3 - A9746 E FORK SN-LAR-RFC SEC. 3 - A9746 E FORK SN-LAR-RFC		
800 E. 101st Terr., Ste. 200 Kansas City, MO 64131 Phone (816) 725-5100 Fax (816) 725-5110 Missouri Dept. of Transportation Authority #2003007299			