MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
PLANS FOR PROPOSED
STATE HIGHWAY

JACKSON COUNTY

DESIGN DESIGNATION

A.A.D.T. - 2013 = 62000
A.A.D.T. - 2023 = 70000
D.H.V. = 6000
T = 17%
V = 65/70 M.P.H.
D = 50%

FUNCTIONAL CLASSIFICATION-INTERSTATE

NO RIGHT OF WAY REQUIRED

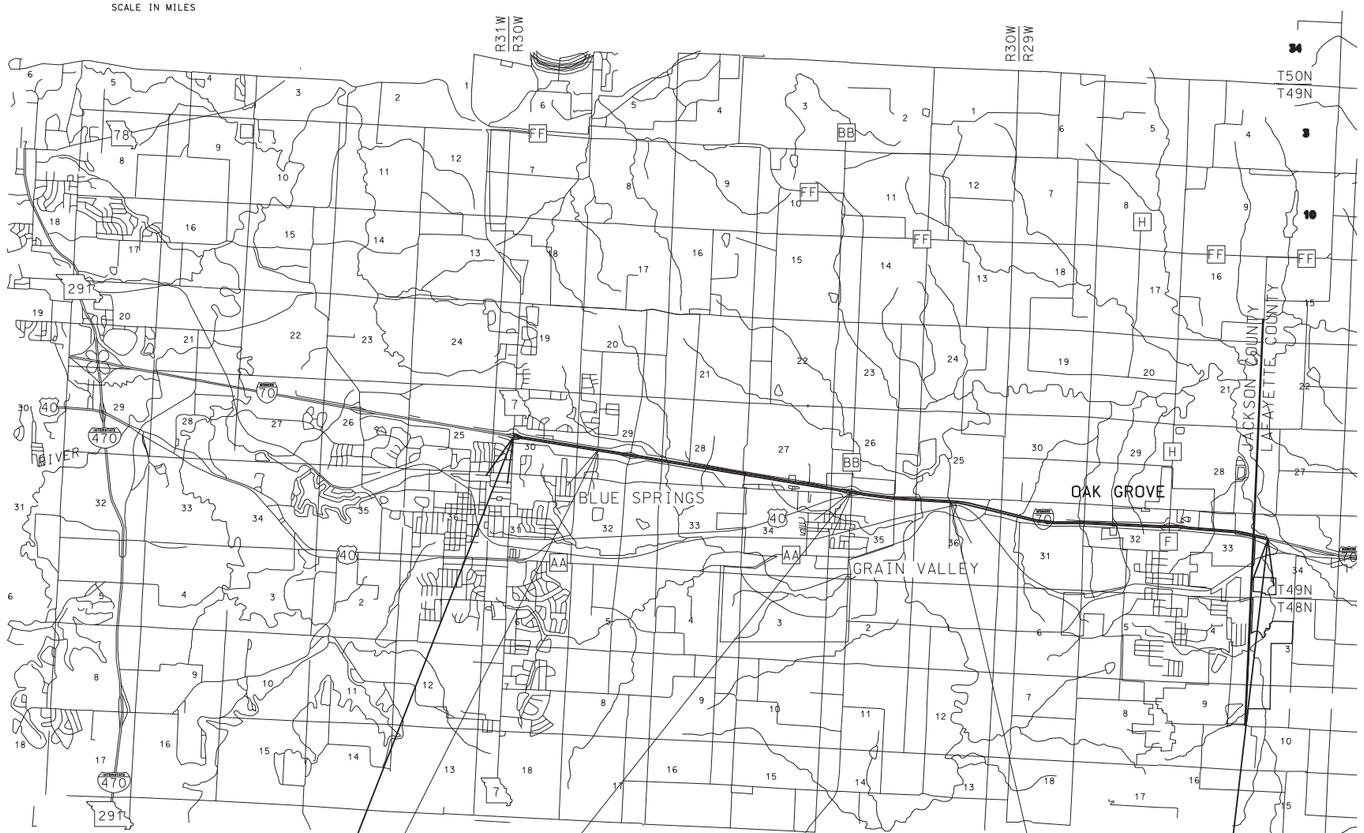
CONVENTIONAL SYMBOLS
(USED IN PLANS)

	EXISTING	NEW
BUILDINGS AND STRUCTURES		
GUARD RAIL		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
UTILITIES		
FIBER OPTICS	—FO—	—FO—
OVERHEAD TELEPHONE		
UNDERGROUND TELEPHONE	—T—	—T—
OVERHEAD POWER		
UNDERGROUND POWER	—P—	—P—
GAS	—G—	—G—
WATER	—W—	—W—
MANHOLE	SAN	
FIRE HYDRANT	HYD	
WATER VALVE	WV	
WATER METER	WM	
DROP INLET	DI	
DITCH BLOCK		
GROUND MOUNTED SIGN	SIGN	
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL	PED	
FENCE		
CHAIN LINK	—V—	
WOVEN WIRE	—X—	
GATE POST		
BENCHMARK	BM	

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

ANY WORK INDICATED ON THE PLANS THAT EXTEND BEYOND THE PROJECT LIMITS IS CONSIDERED INCIDENTAL TO AND A PART OF THE CONSTRUCTION OF THIS PROJECT.

1/2 0 1 2
SCALE IN MILES



I-70 EASTBOUND AND WESTBOUND LANES

PAVEMENT, GUARD RAIL, TRAFFIC BARRIER, AND SIGNAL IMPROVEMENTS

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
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QUANTITIES (QU) (15 SHEETS)	3
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COORDINATE POINTS (CP)	
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LIGHTING (LT)	
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PAVEMENT MARKING (PM)	
CULVERT SECTIONS (CS)	
BRIDGE DRAWINGS (B)	
A####	
A####	
A####	
A####	
CROSS SECTIONS (XS)	

LENGTH OF PROJECT

I-70 EASTBOUND LANES

BEGINNING OF PROJECT LOG MI. 20.409
END OF PROJECT LOG MI. 29.337
APPARENT LENGTH 8.928 MILE

EQUATIONS AND EXCEPTIONS:
BRIDGE A5075 (ADAMS DAIRY PARKWAY)
21.603 - 21.653
BRIDGE L0984 (ROUTE AA/BB)
24.399 - 24.426
BRIDGE L0146 (SNI-A-BAR CREEK)
25.183 - 25.283

TOTAL CORRECTIONS -0.178 MILE
NET LENGTH OF PROJECT 8.750 MILE
STATE LENGTH 8.750 MILE

I-70 WESTBOUND LANES

BEGINNING OF PROJECT LOG MI. 220.663
END OF PROJECT LOG MI. 229.581
APPARENT LENGTH 8.918 MILE

EQUATIONS AND EXCEPTIONS:
BRIDGE A0167 (SNI-A-BAR CREEK)
224.707 - 224.807
BRIDGE L0984 (ROUTE AA/BB)
225.564 - 225.591
A5075 (ADAMS DAIRY PARKWAY)
228.336 - 228.385

TOTAL CORRECTIONS -0.176 MILE
NET LENGTH OF PROJECT 8.742 MILE
STATE LENGTH 8.742 MILE

FOR INFORMATION ONLY
ESTIMATED DISTURBED ACRES 1.2 ACRES

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/16/2020

ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
KC	1

COUNTY JACKSON
JOB NO. J4I3222
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

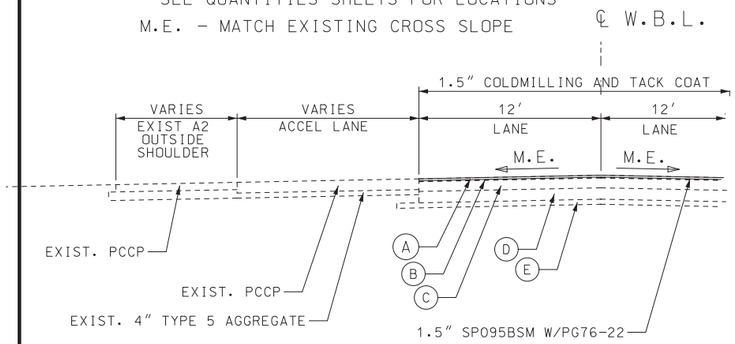
REV.

ESTIMATED FACTORS FOR INFORMATION ONLY	
SP125BSM (PG76-22)	2.190 TONS/YD^3
BP-2 (PG64-22)	1.990 TONS/YD^3
TACK COAT	0.10 GAL./YD^2
PERMANENT AGGREGATE END TREATMENT	2.0 TONS/YD^3

✳ PERMANENT AGGREGATE END TREATMENT
SEE QUANTITIES SHEETS FOR LOCATIONS

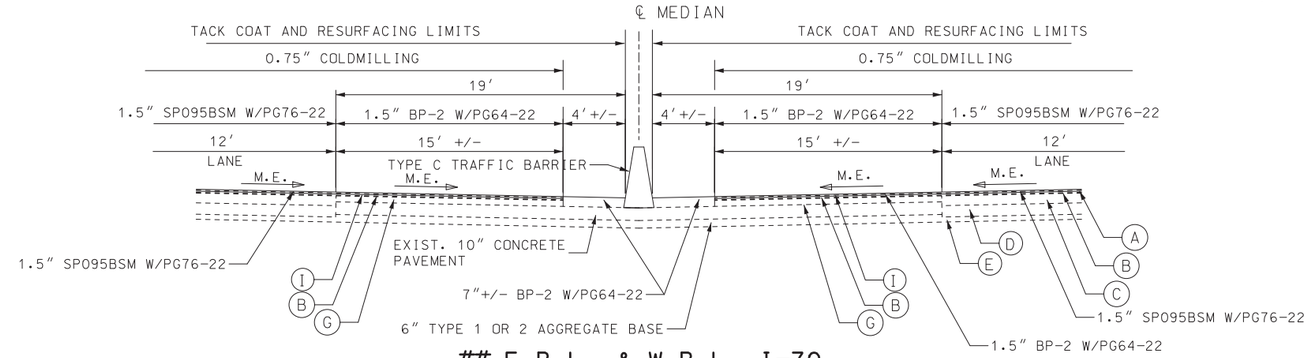
M.E. - MATCH EXISTING CROSS SLOPE

EXISTING PAVEMENT		
Ⓐ EXIST. 1.75" SP095BSM W/76-22	Ⓕ EXIST. 2.25" TO 1" BP-1 W/PG64-22	Ⓚ EXISTING ±3.75" SP190C W/ PG64-22
Ⓑ 0.5" SP048F W/ PG76-22	Ⓖ EXISTING ASPHALT	Ⓛ EXIST. 8" EXIST. PCCP
Ⓒ EXIST. ±7.75" EXIST. ASPH.	Ⓗ EXISTING TYPE 1 OR 2 AGGREGATE	Ⓜ EXIST. 4" BP-1 (PG64-22)
Ⓓ EXISTING 9" PCCP	Ⓘ EXIST. 2.25" BP-1 (PG64-22)	Ⓝ EXIST. 1.75" SP125B W/ PG70-22
Ⓔ EXISTING 4" AGGR. BASE	Ⓙ EXISTING 2.25" SP190B W/ PG76-22	Ⓞ EXIST.1.5" BP-2 (PG64-22)



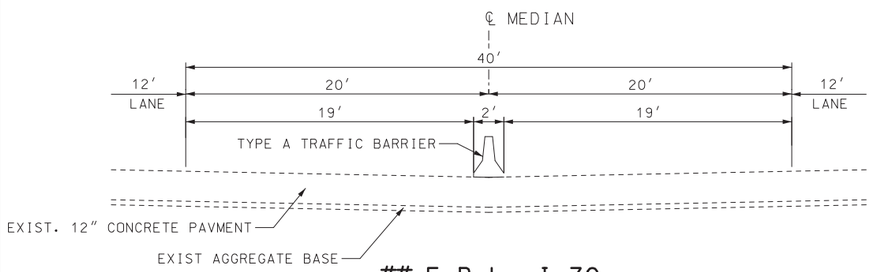
EXISTING CONCRETE ACCEL LANE

I-70 WESTBOUND
LOG MILE 222.007 TO LOG MILE 222.207



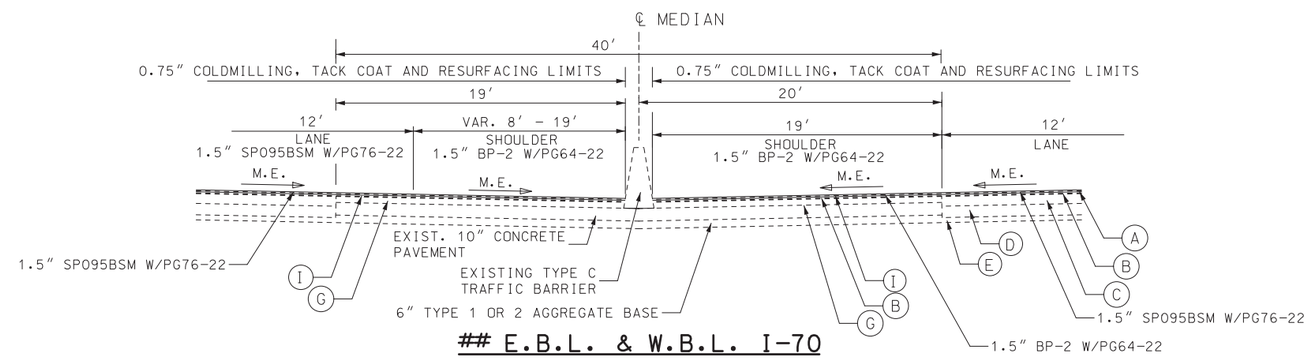
E.B.L. & W.B.L. I-70

EB LOG MILE 20.610 TO EB LOG MILE 20.616
WB LOG MILE 229.373 TO WB LOG MILE 229.379



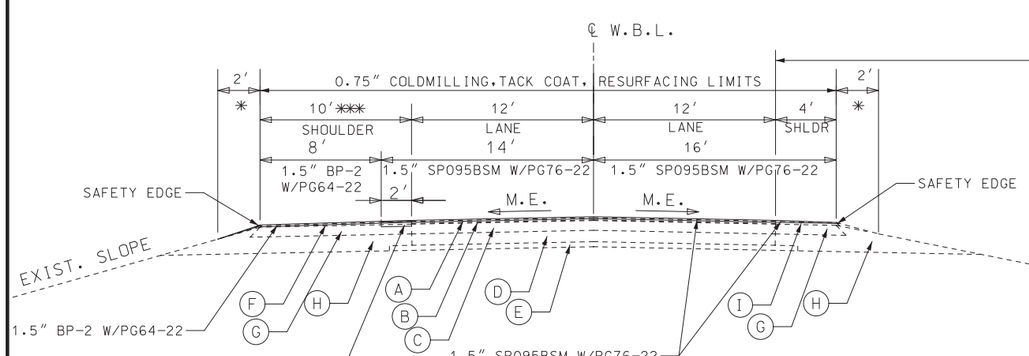
E.B.L. I-70

LOG MILE 21.606 TO LOG MILE 21.610
LOG MILE 21.646 TO LOG MILE 21.651



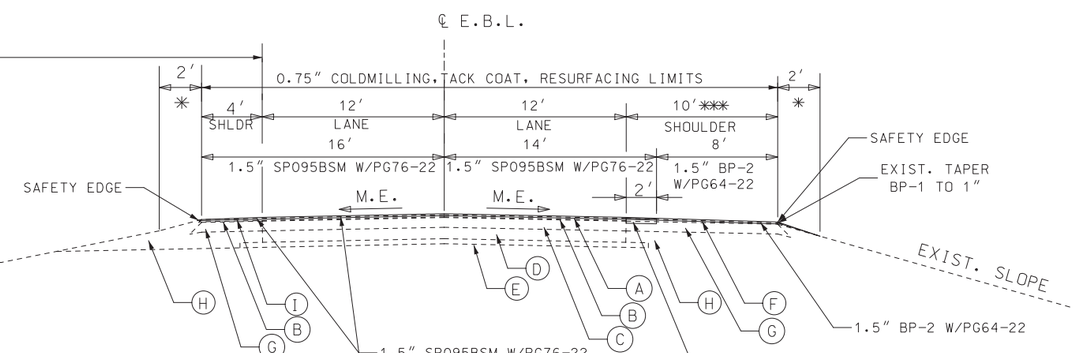
E.B.L. & W.B.L. I-70

EB LOG MILE 20.610 TO EB LOG MILE 20.616
WB LOG MILE 229.379 TO WB LOG MILE 229.545



W.B.L. I-70

LOG MILE 220.663 TO 225.154
LOG MILE 226.195 TO 229.545
✳✳✳ LOG MILE 229.461 TO LOG MILE 229.545
SHOULDER WIDTH VARIES 8' TO 14'



E.B.L. I-70

LOG MILE 20.420 TO 23.956

TYPICAL SECTION SHEET
NOT TO SCALE
SHEET 1 OF 10

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
7/16/2020	
ROUTE I-70	STATE MO
DISTRICT KC	SHEET NO. 2
COUNTY JACKSON	
JOB NO. J4I3222	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

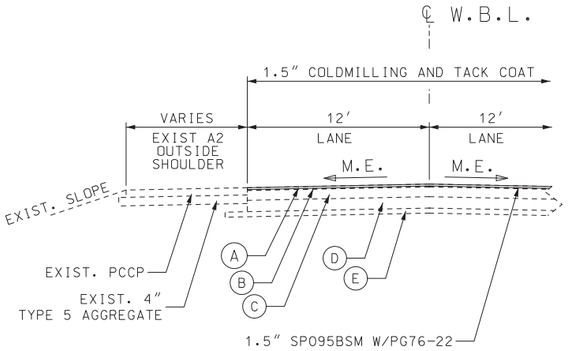
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

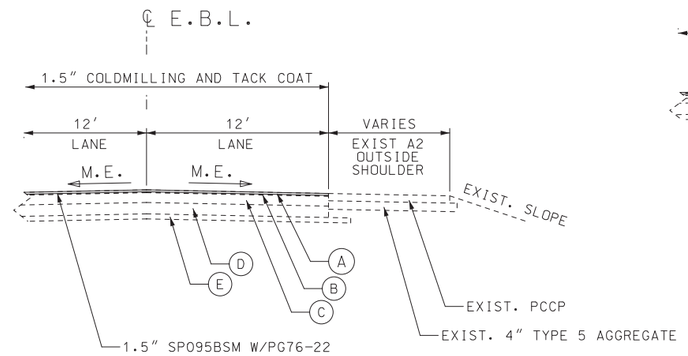
✳ PERMANENT AGGREGATE END TREATMENT
SEE QUANTITIES SHEETS FOR LOCATIONS
NOTE: DO NOT PLACE AT SHAPING CLASS 3 LOCATIONS.

EXISTING PAVEMENT		
(A) EXIST. 1.75" SP095BSM W/76-22	(E) EXISTING 4" AGGR. BASE	(I) EXISTING BP-1 W/64-22 2.25" BP-1 - LOG MI. 24.030 TO 24.051 4" BP-1 - LOG MI. 24.872 TO 24.910
(B) EXISTING 2.25" SP190B W/ PG76-22	(F) EXISTING ASPHALT	(J) EXISTING 2.25" BP-1 W/64-22 NO SHLDR. WORK - LOG MI. 226.514 TO 227.570
(C) EXISTING ±3.75" SP190C W/ PG64-22	(G) EXISTING TYPE 1 OR 2 AGGREGATE	(K) EXISTING 2.25" BP-1 W/64-22 4" BP-1 - LOG MI. 226.969 TO 227.034 LOG MI. 227.061 TO 227.199
(D) EXISTING 8" PCCP	(H) EXISTING BP-1 W/64-22 2.25" BP-1 - LOG MI. 23.790 TO 23.812 NO SHLDR. WORK- LOG MI.23.812 TO 24.947 4" BP-1 - LOG MI. 24.947 TO 24.985	



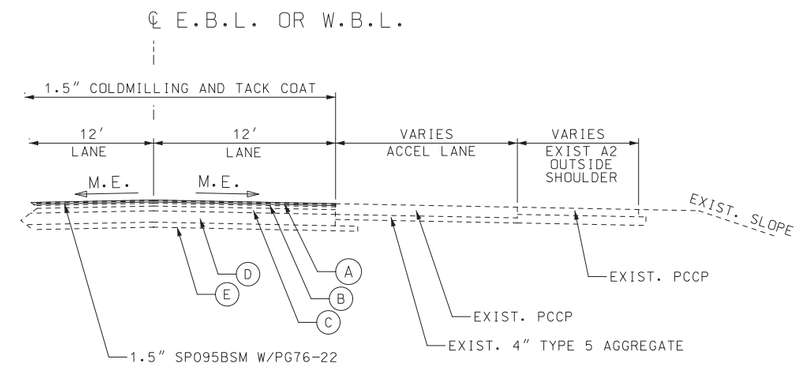
EXISTING CONCRETE SHOULDER

I-70 WESTBOUND
LOG MILE 225.440 TO LOG MILE 225.498



EXISTING CONCRETE SHOULDER

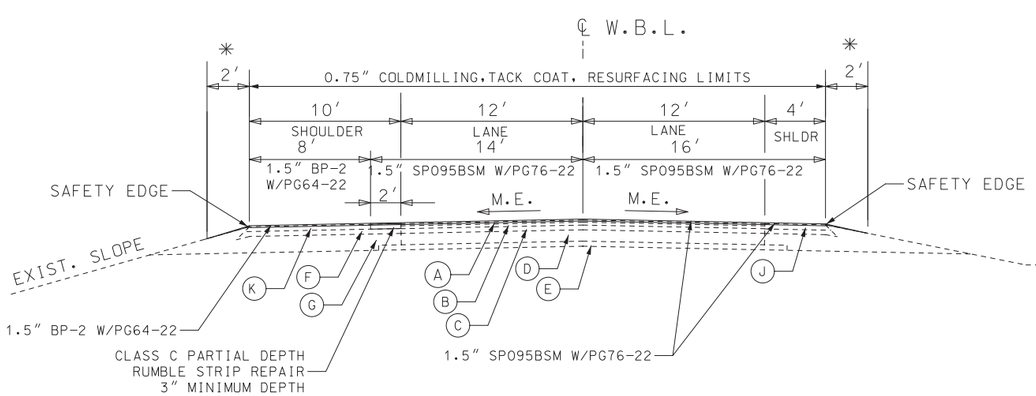
I-70 EASTBOUND
LOG MILE 24.240 TO LOG MILE 24.296



EXISTING CONCRETE ACCEL LANE AND DECEL LANE

I-70 EASTBOUND
LOG MILE 24.052 TO LOG MILE 24.240
LOG MILE 24.692 TO LOG MILE 24.875

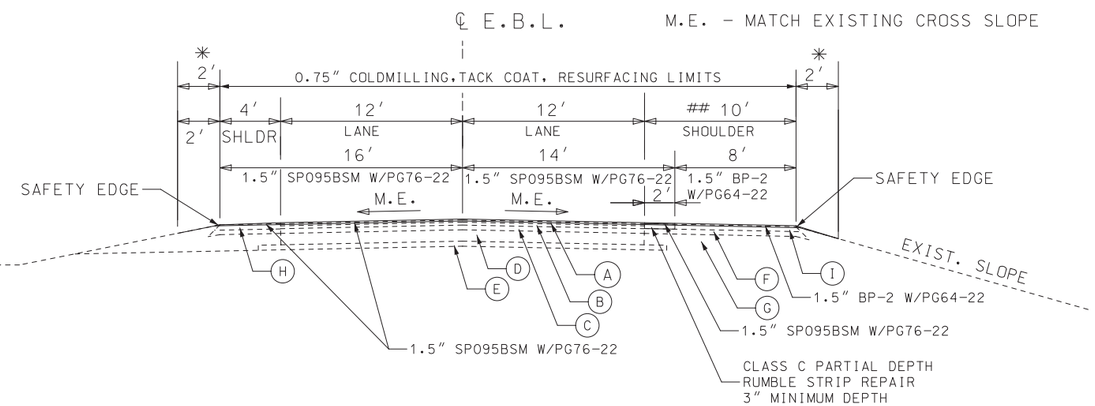
I-70 WESTBOUND
LOG MILE 225.877 TO LOG MILE 226.103



TYPICAL SECTION ON TANGENT

W.B.L. I-70

LOG MILE 225.154 TO LOG MILE 226.195



TYPICAL SECTION ON TANGENT

E.B.L. I-70

LOG MILE 23.956 TO LOG MILE 24.982

TYPICAL SECTION SHEET
NOT TO SCALE
SHEET 2 OF 10

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER
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DATE PREPARED	7/16/2020
ROUTE	I-70
STATE	MO
DISTRICT	KC
SHEET NO.	2
COUNTY	JACKSON
JOB NO.	J4I3222
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

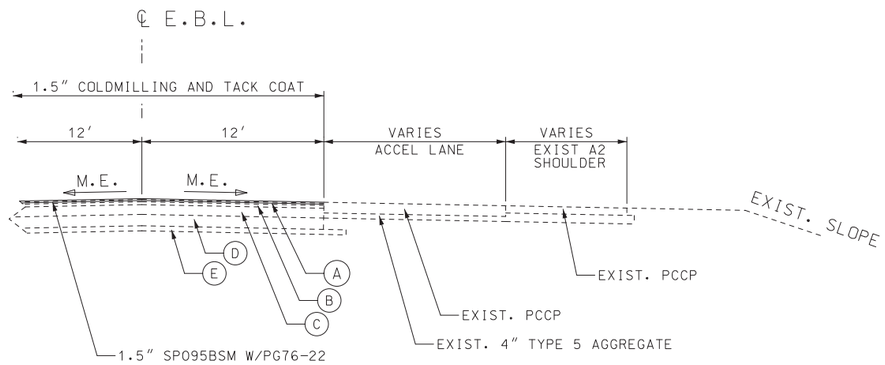
DESCRIPTION

DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

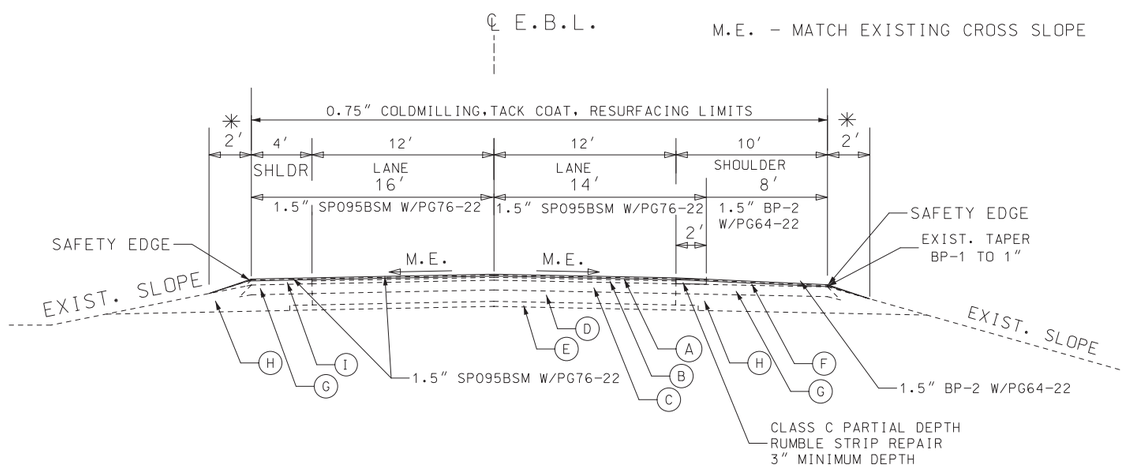
EXISTING PAVEMENT	
(A) EXIST. 1.75" SP095BSM W/76-22	(F) EXIST. 4" - 1" BP-1 (PG64-22) SHOULDER
(B) EXIST. 2.25" SP190B W/76-22	(G) EXISTING ASPHALT
(C) EXIST. ±7.75" EXIST. ASPH.	(H) EXISTING TYPE 1 OR 2 AGGREGATE
(D) EXISTING 9" PCCP	(I) EXIST. 4" BP-1 (PG64-22) SHOULDER
(E) EXISTING 4" AGGR. BASE	



EXISTING CONCRETE ACCEL LANE

I-70 EASTBOUND

LOG MILE 28.404 TO LOG MILE 28.603



E.B.L. I-70

LOG MILE 24.982 TO LOG MILE 29.256

TYPICAL SECTION SHEET
NOT TO SCALE
SHEET 3 OF 10

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

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DATE PREPARED	
7/16/2020	
ROUTE: I-70	STATE: MO
DISTRICT: KC	SHEET NO.: 2
COUNTY: JACKSON	
JOB NO.: J4I3222	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

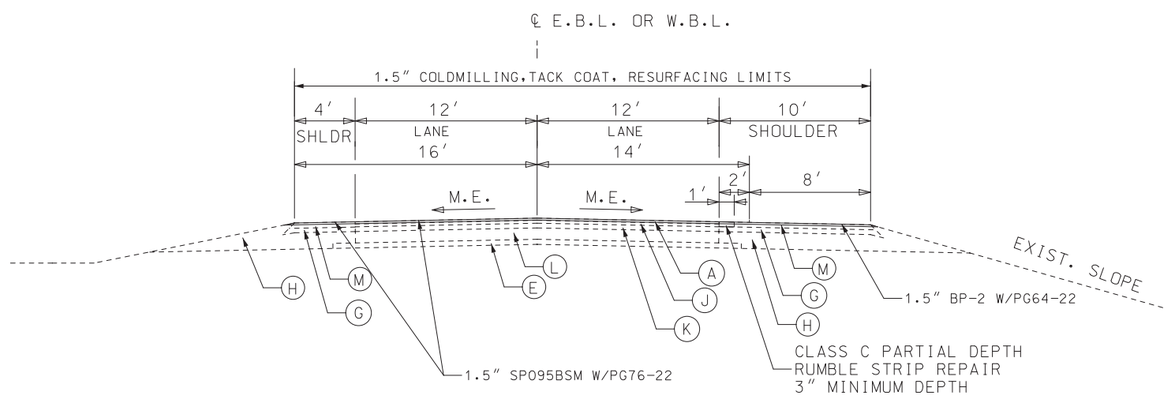
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

EXISTING PAVEMENT	
Ⓐ EXIST. 1.75″ SP095BSM W/76-22	Ⓘ EXIST. 2.25″ BP-1 (PG64-22)
Ⓑ 0.5″ SP048F W/ PG76-22	Ⓙ EXISTING 2.25″ SP190B W/ PG76-22
Ⓒ EXIST. ±7.75″ EXIST. ASPH.	Ⓚ EXISTING ±3.75″ SP190C W/ PG64-22
Ⓓ EXISTING 9″ PCCP	Ⓛ EXIST. 8″ EXIST. PCCP
Ⓔ EXISTING 4″ AGGR. BASE	Ⓜ EXIST. 4″ BP-1 (PG64-22)
Ⓕ EXIST. 2.25″ TO 1″ BP-1 W/PG64-22	Ⓝ EXIST. 1.75″ SP125B W/ PG70-22
Ⓖ EXISTING ASPHALT	Ⓞ EXIST.1.5″ BP-2 (PG64-22)
Ⓗ EXISTING TYPE 1 OR 2 AGGREGATE	



E.B.L. I-70

LOG MILE 29.256 TO LOG MILE 29.330

EB I-70 BRIDGE OVERPASSES

LOG MILE 24.985 TO 25.358 (BR. L0146)
LOG MILE 25.982 TO 26.006 (LEFHOLZ RD. OVERPASS)
LOG MILE 28.158 TO 28.186 (ROUTE F OVERPASS)
LOG MILE 29.257 TO 29.330 (BR. L0406)
(SEE PAVEMENT TRANSITION SPECIAL SHEET FOR BRIDGE AND OVERPASS DETAILS)

TYPICAL SECTION SHEET
NOT TO SCALE
SHEET 4 OF 10

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER
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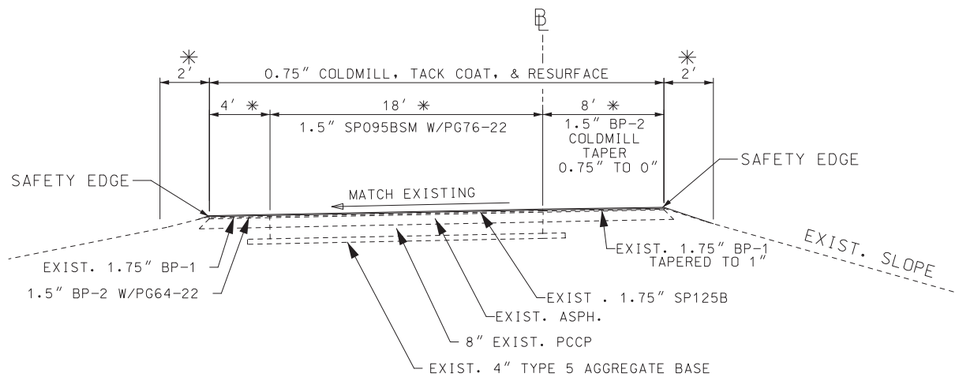
DATE PREPARED	7/16/2020
ROUTE	I-70
STATE	MO
DISTRICT	KC
SHEET NO.	2
COUNTY	JACKSON
JOB NO.	J4I3222
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

✳✳ WIDTH VARIES. SEE QUANTITY SHEETS FOR LOCATIONS.



TYPICAL SECTION ON TANGENT

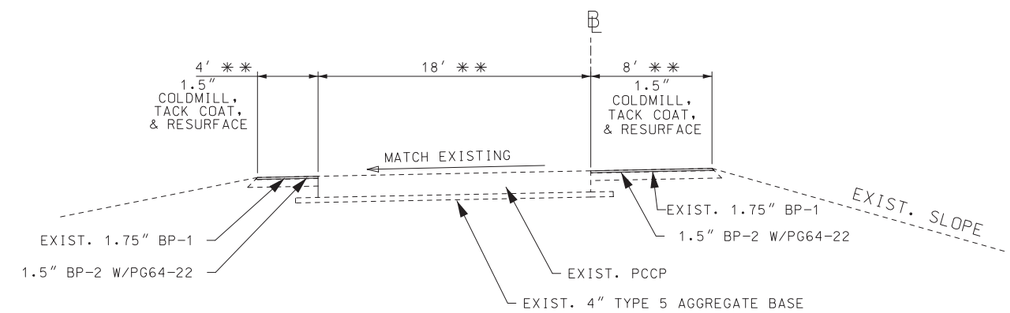
EB ROUTE 7 ON RAMP
LOG MILE 0.011 TO 0.316

EB ADAM DAIRY OFF RAMP
LOG MILE 0.000 TO LOG MILE 0.223

WB ROUTE 7 ON RAMP
LOG MILE 0.000 TO 0.318

WB ADAM DAIRY PARKWAY OFF RAMP
LOG MILE 0.000 TO LOG MILE 0.311

WB ADAM DAIRY PARKWAY ON RAMP
LOG MILE 0.086 TO LOG MILE 0.395



TYPICAL SECTION ON TANGENT

I-70 RAMPS WITH CONCRETE PAVEMENT AND ASPHALTIC SHOULDERS

EB ADAM DAIRY PARKWAY OFF RAMP
LOG MILE 0.271 TO LOG MILE 0.335

EB ADAM DAIRY PARKWAY ON RAMP
LOG MILE 0.021 TO LOG MILE 0.098

WB ADAM DAIRY PARKWAY OFF RAMP
LOG MILE 0.311 TO LOG MILE 0.370

WB ADAM DAIRY PARKWAY ON RAMP
LOG MILE 0.026 TO LOG MILE 0.086

TYPICAL SECTION SHEET
NOT TO SCALE
SHEET 5 OF 10

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

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DATE PREPARED	8/26/2020
ROUTE	I-70
STATE	MO
DISTRICT	KC
SHEET NO.	2
COUNTY	JACKSON
JOB NO.	J4I3222
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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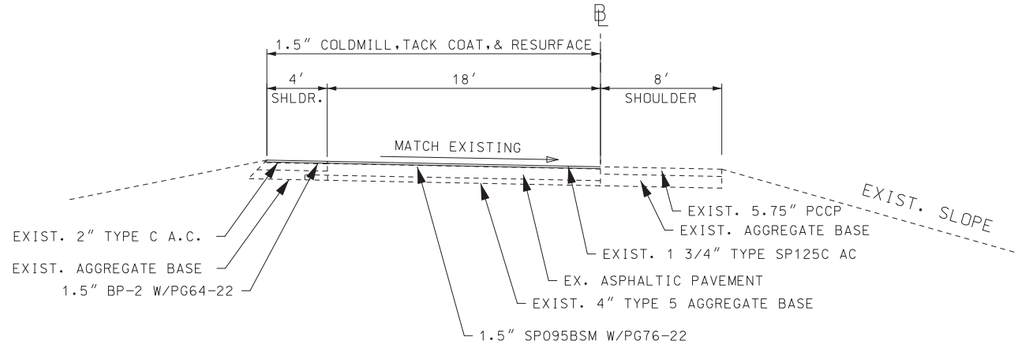
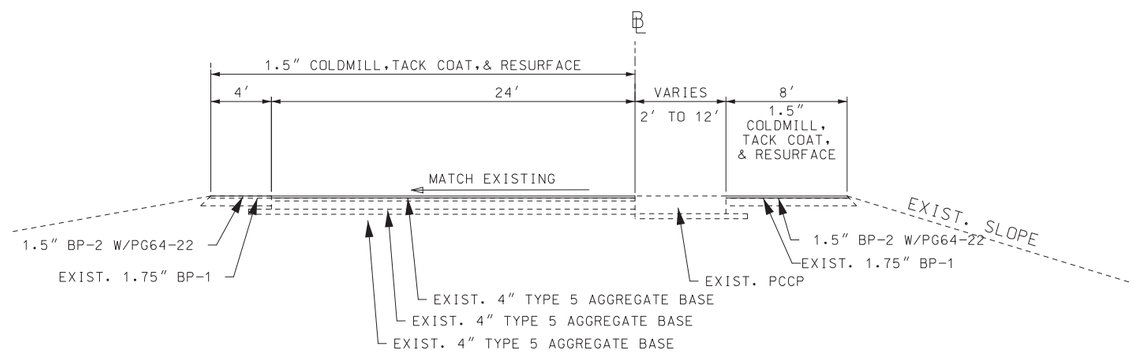


TYPICAL SECTION ON TANGENT

ROUTE AA/BB EASTBOUND ON RAMP
LOG MILE 0.126 TO LOG MILE 0.278

ROUTE AA/BB WESTBOUND ON RAMP
LOG MILE 0.078 TO LOG MILE 0.298



TYPICAL SECTION ON TANGENT

EB ADAM DAIRY PARKWAY OFF RAMP
LOG MILE 0.223 TO LOG MILE 0.271

TYPICAL SECTION SHEET
NOT TO SCALE
SHEET 6 OF 10

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

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DATE PREPARED	7/16/2020
ROUTE	I-70
STATE	MO
DISTRICT	KC
SHEET NO.	2
COUNTY	JACKSON
JOB NO.	J4I3222
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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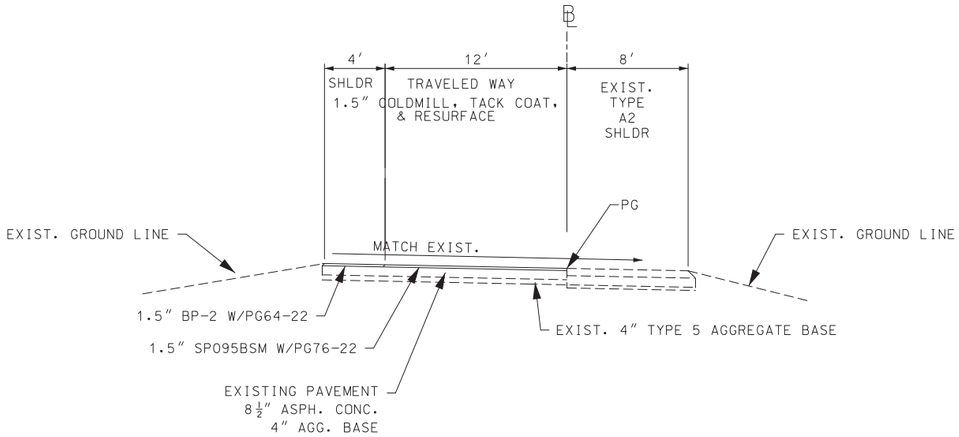
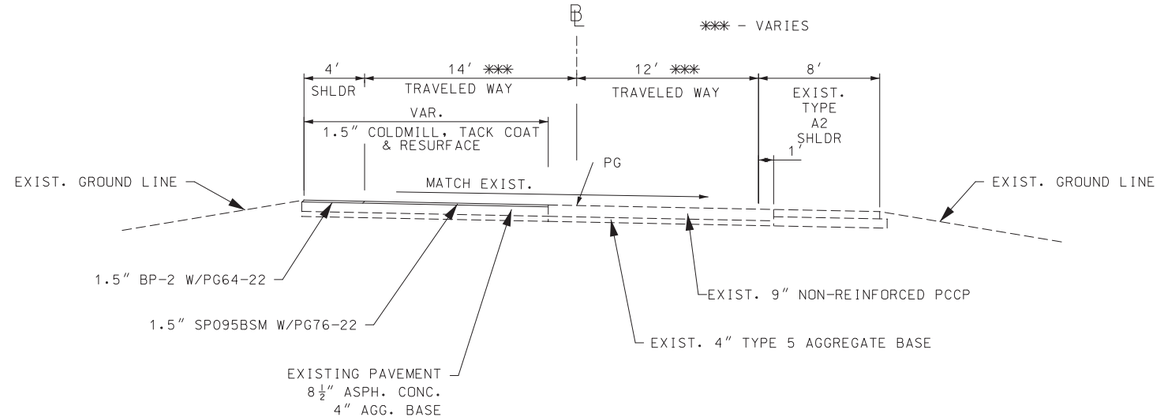
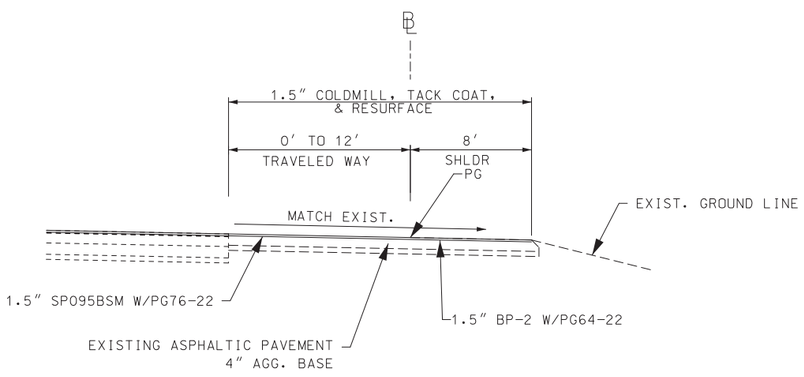


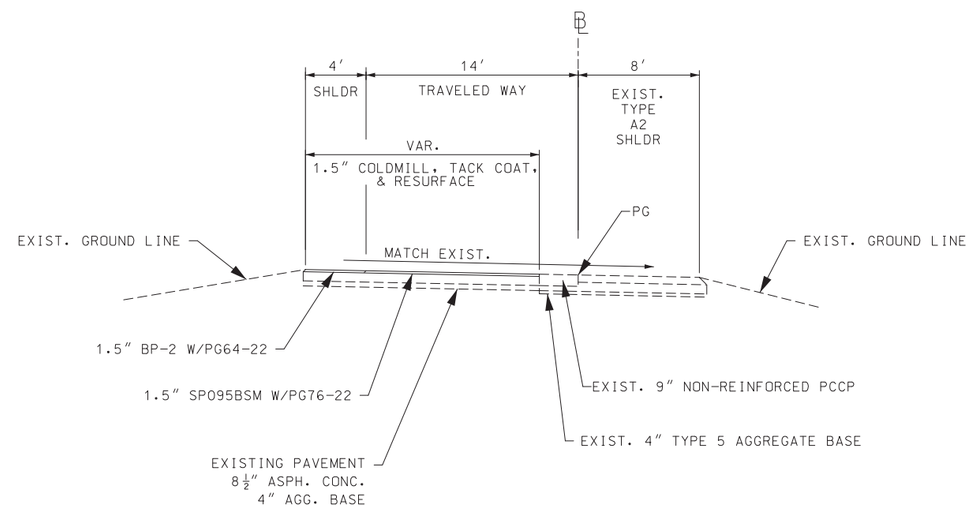
TYPICAL SECTION
ROUTE AA/BB WESTBOUND OFF RAMP
LOG MILE 0.047 TO LOG MILE 0.190



TYPICAL SECTION
ROUTE AA/BB WESTBOUND OFF RAMP
LOG MILE 0.248 TO LOG MILE 0.290



TYPICAL SECTION
ROUTE AA/BB WESTBOUND OFF RAMP
LOG MILE 0.000 TO LOG MILE 0.047



TYPICAL SECTION
ROUTE AA/BB WESTBOUND OFF RAMP
LOG MILE 0.190 TO LOG MILE 0.248

TYPICAL SECTION SHEET
NOT TO SCALE
SHEET 7 OF 10

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

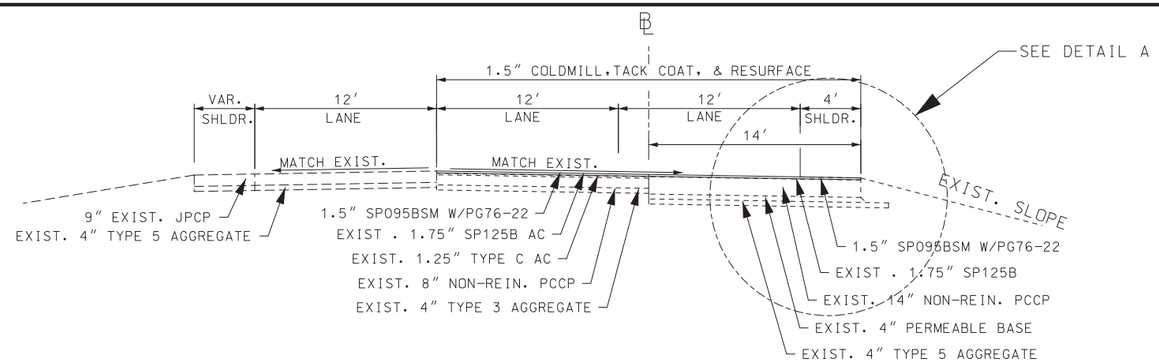
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	7/16/2020
ROUTE	I-70
STATE	MO
DISTRICT	KC
SHEET NO.	2
COUNTY	JACKSON
JOB NO.	J4I3222
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

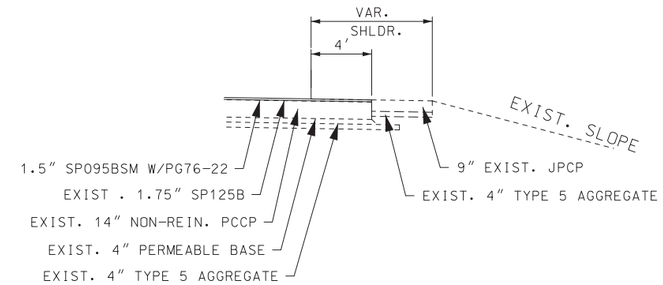
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

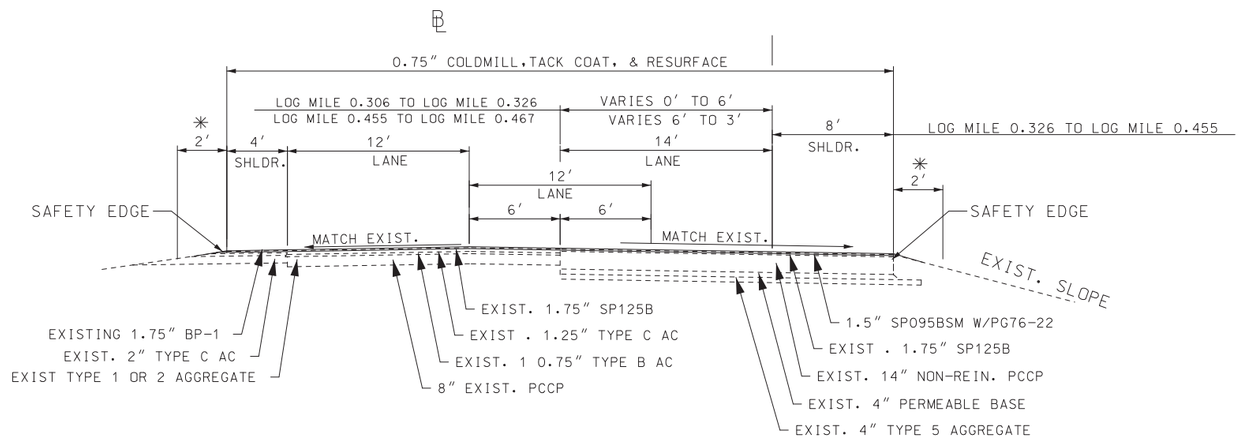
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



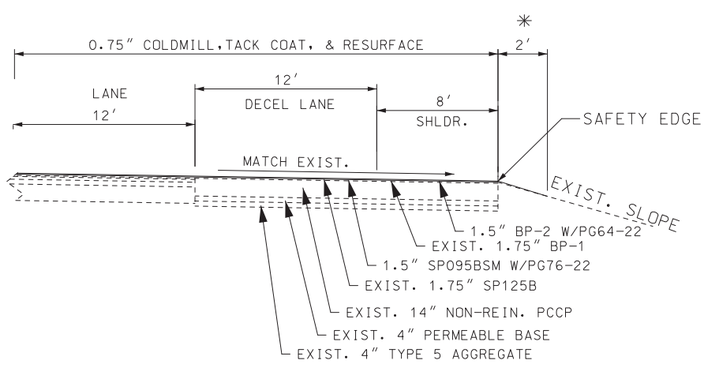
TYPICAL SECTION ON TANGENT
I-70 EB OFF RAMP ROUTE F/H
LOG MILE 0.480 TO LOG MILE 0.490



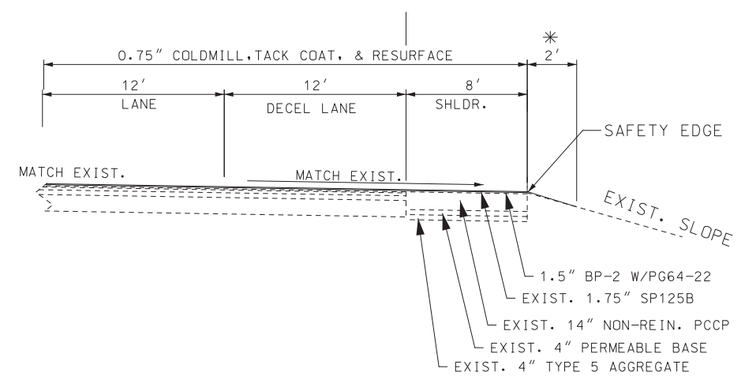
DETAIL A
I-70 EB OFF RAMP ROUTE F/H
LOG MILE 0.490 TO LOG MILE 0.495



TYPICAL SECTION ON TANGENT
I-70 EB OFF RAMP ROUTE F/H
LOG MILE 0.316 TO LOG MILE 0.480



TYPICAL SECTION ON TANGENT
I-70 EB OFF RAMP ROUTE F/H
LOG MILE 0.000 TO LOG MILE 0.225



TYPICAL SECTION ON TANGENT
I-70 EB OFF RAMP ROUTE F/H
LOG MILE 0.225 TO LOG MILE 0.316

TYPICAL SECTION SHEET
NOT TO SCALE
SHEET 8 OF 10

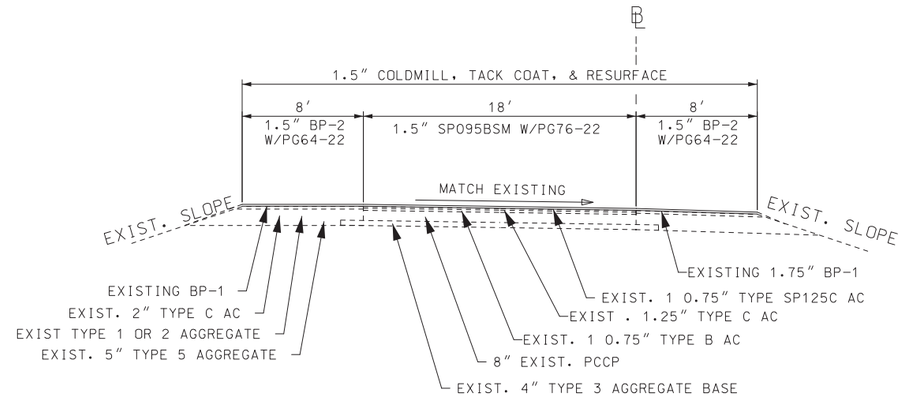
STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/16/2020	
ROUTE I-70	STATE MO
DISTRICT KC	SHEET NO. 2
COUNTY JACKSON	
JOB NO. J4I3222	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

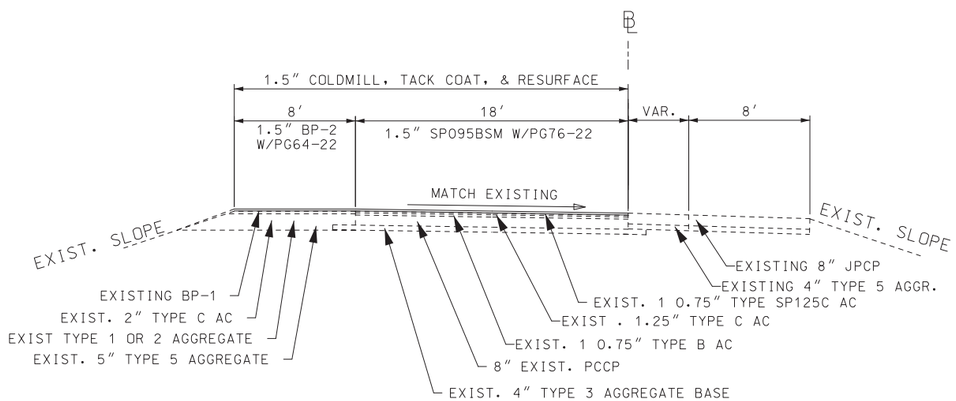
DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

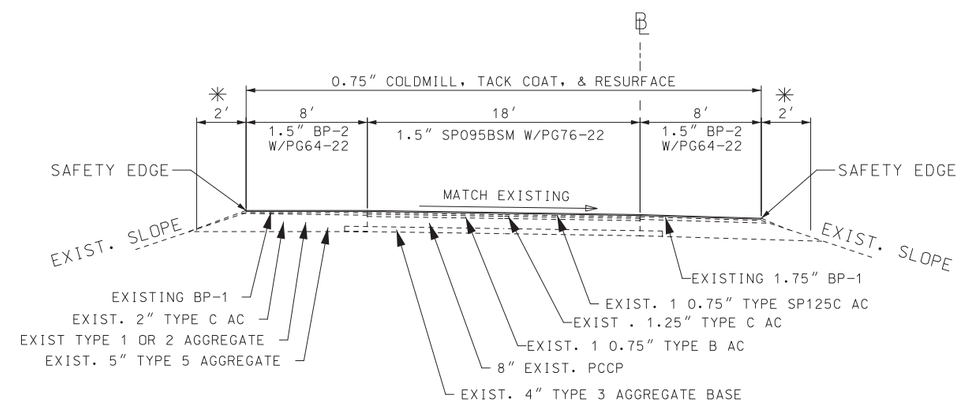
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



TYPICAL SECTION
ROUTE F/H WESTBOUND ON RAMP
LOG MILE 0.077 TO LOG MILE 0.190



TYPICAL SECTION
ROUTE F/H EASTBOUND ON RAMP
LOG MILE 0.034 TO LOG MILE 0.074



TYPICAL SECTION
ROUTE F/H EASTBOUND ON RAMP
LOG MILE 0.074 TO LOG MILE 0.234

TYPICAL SECTION SHEET
NOT TO SCALE
SHEET 9 OF 10

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 8/26/2020	
ROUTE I-70	STATE MO
DISTRICT KC	SHEET NO. 2
COUNTY JACKSON	
JOB NO. J4I3222	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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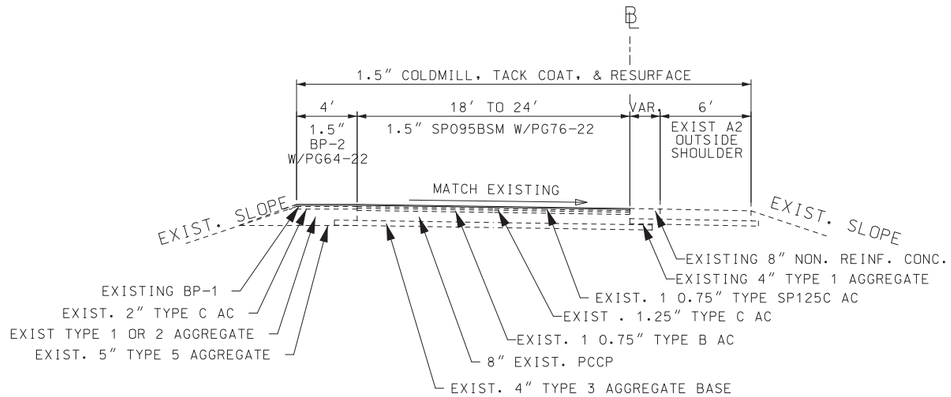
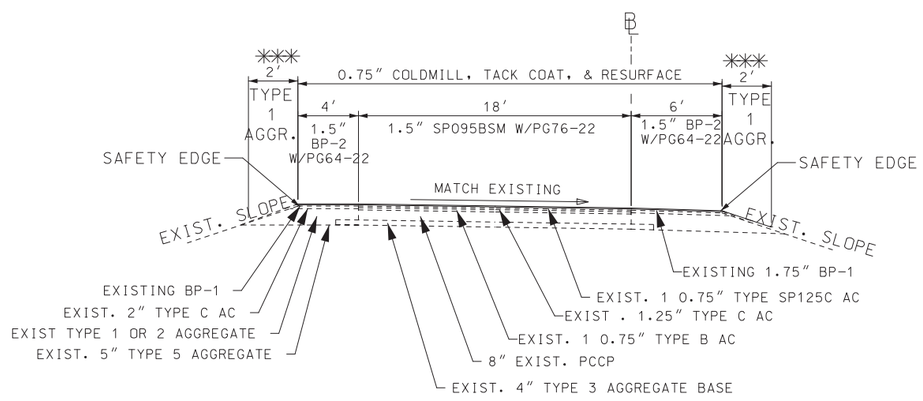


TYPICAL SECTION
ROUTE F/H WESTBOUND OFF RAMP
LOG MILE 0.167 TO LOG MILE 0.202



TYPICAL SECTION
ROUTE F/H WESTBOUND OFF RAMP
LOG MILE 0.000 TO LOG MILE 0.167

TYPICAL SECTION SHEET
NOT TO SCALE
SHEET 10 OF 10

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

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DATE PREPARED	7/16/2020
ROUTE	I-70
STATE	MO
DISTRICT	KC
SHEET NO.	2
COUNTY	JACKSON
JOB NO.	J4I3222
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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REMOVAL OF IMPROVEMENTS - LUMP SUM = 1

LOCATION	STATION	LOG MILE	OFFSET	ITEM	UNITS	QUANTITY	REMARKS
I-70				GUARD RAIL	LIN FT	15332	SEE GUARD RAIL QUANTITIES
EB I-70 LOG MILE AT CENTERLINE MEDIAN		20.610		SAND BARRELS	EACH	22	END OF EXISTING TYPE C TRAFFIC BARRIER
EB I-70 LOG MILE AT CENTERLINE MEDIAN		21.602		SAND BARRELS	EACH	21	WEST END BRIDGE A5075 AT ADAM DAIRY PARKWAY
EB I-70 LOG MILE AT CENTERLINE MEDIAN		21.646		SAND BARRELS	EACH	19	EAST END BRIDGE A5075 AT ADAM DAIRY PARKWAY
ADAMS DAIRY PARKWAY	13+79		5' LT	SIGNAL POST	EACH	1	
ADAMS DAIRY PARKWAY	13+79		5' LT	3- 7C #16 AWG -	LIN. FT.	141	REMOVE FROM EXISTING SIGNAL POSTAND RELOCATE TO SIGNAL POST 1
ADAMS DAIRY PARKWAY	13+79		5' LT	1- 2C #16 AWG	LIN. FT.	9	REMOVE FROM EXISTING SIGNAL POSTAND RELOCATE TO SIGNAL POST 1
ADAMS DAIRY PARKWAY	13+79		5' LT	VIDEO COAX	LIN. FT.	118	REMOVE FROM EXISTING SIGNAL POSTAND RELOCATE TO SIGNAL POST 1
ADAMS DAIRY PARKWAY	13+79		5' LT	VIDEO CABLE (POWER)	LIN. FT.	118	REMOVE FROM EXISTING SIGNAL POSTAND RELOCATE TO SIGNAL POST 1
ADAMS DAIRY PARKWAY	13+79		5' LT	VIDEO DETECTOR	EACH	2	REMOVE FROM EXISTING SIGNAL POSTAND RELOCATE TO SIGNAL POST 1
ADAMS DAIRY PARKWAY	13+79		5' LT	"ADAM DAIRY PARKWAY" SIGN	EACH	1	REMOVE FROM EXISTING SIGNAL POSTAND RELOCATE TO SIGNAL POST 1

MOBILIZATION
1 LUMP SUM

PAVEMENT QUANTITIES

LOG MI	LOG MI	LOCATION	LENGTH FEET	LANE WIDTH FT	INSIDE SHOULDER WIDTH FT	OUTSIDE SHOULDER WIDTH FT	SP095BSM PG76-22 1.5" TONS	BP-2 PG64-22 1.5" TONS	TACK COAT GAL	PERMANENT AGGREGATE EDGE TREATMENT TON	REMARKS
EASTBOUND I-70											
20.408	20.420										FROM EAST END OF BRIDGE L0983 (RT 7) TO BEGIN PAVING AT END OF PAVED APPOACH
20.420	20.541	I-70 EBL	641	24	19	10	182.0	148.0	377	7.9	FROM BRIDGE L0983 (RT 7) TO BEGIN RAMP GORE
20.541	20.610	I-70 EBL	365	24	19	10	103.6	84.3	215	3.4	BEGIN RAMP GORE TO END EXISTING TYPE C TRAFFIC BARRIER
20.610	20.616	I-70 EBL	32	24	19		8.4	9.9	15		END EXISTING TYPE C TRAFFIC BARRIER TO END 19' SHLDER LT.
20.616	20.712	I-70 EBL	503	24	4		143.1	0.0	156	1	END 18' SHLDER LT TO END RTE 7 RAMP ACCEL LANE TAPER RT.
20.712	21.268	I-70 EBL	2937	24	4	10	895.0	218.0	1240	0.4	END RTE 7 RAMP ACCEL LANE TAPER RT. TO BEGIN ADAM DAIRY RAMP DECELL TAPER RT
21.268	21.445	I-70 EBL	934	24	4		265.7	0.0	291	0.7	BEGIN ADAM DAIRY RAMP DECELL TAPER RT. TO RAMP NOSE
21.445	21.480	I-70 EBL	185	24	4	12	56.4	17.2	82	1.6	RAMP NOSE TO END OF RAMP GORE
21.480	21.603	I-70 EBL	653	24	4	10	199.0	48.5	276	1.8	RAMP GORE TO BRIDGE A5075 (ADAMS DAIRY PKWY)
21.653	21.805	I-70 EBL	801	24	4	10	244.1	59.4	338	9.6	BRIDGE A5075 (ADAMS DAIRY PKWY) TO ADAM DAIRY RAMP GORE
21.805	22.012	I-70 EBL	1096	24	4		311.8	0.0	341	6.6	ADAMS DAIRY GORE ON RAMP TO END ACCEL LANE
22.012	24.052	I-70 EBL	10771	24	4	10	3282.2	799.3	4548	129.4	END ACCEL LANE (ADAM DAIRY) TO BEGIN ACCEL LANE (ROUTE AA/BB)
24.052	24.296	I-70 EBL	1289	24	4		366.7	0.0	401		BEGIN CONCRETE DECEL LANE (ROUTE AA/BB) TO END CONCRETE OUTSIDE SHOULDER
24.296	24.399	I-70 EBL	543	24	4	10	165.5	40.3	229		END RAMP GORE TAPER TO BEGIN BR. L0984 OVER (ROUTE AA/BB)
24.426	24.534	I-70 EBL	570	24	4	10	173.7	42.3	241		END BR. L0984 OVER ROUTE AA/BB TO DECEL RAMP GORE
24.534	24.875	I-70 EBL	1798	24	4		511.4	0.0	559		ACCEL RAMP GORE (ROUTE AA/BB) TO END CONCRETE ACCEL RAMP
24.875	25.183	I-70 EBL	1628	24	4	10	496.1	80.5	687	19.6	END CONCRETE ACCEL RAMP TO BEGIN BRIDGE L0146 (SNI-A-BAR CREEK)
25.283	27.703	I-70 EBL	12778	24	4	10	3893.8	632.2	5395	153.5	END BRIDGE L0146 (SNI-A-BAR CREEK) TO END BEGIN DECEL LANE
27.703	28.025	I-70 EBL	1700	24	4	10	518.0	126.2	718	20.4	BEGIN DECEL LANE TO ROUTE F/H RAMP GORE NOSE
28.025	28.328	I-70 EBL	1595	24	4	10	486.0	118.4	673	19.2	ROUTE F/H RAMP GORE NOSE TO RAMP GORE NOSE EXCEL LANE
28.328	28.404	I-70 EBL	404	24	4		114.9	0.0	126	2.4	RAMP GORE NOSE EXCEL LANE TO BEGIN CONCRETE PAVEMENT RT
28.404	28.603	I-70 EBL	1049	24	4		298.4	0.0	326		BEGIN CONCRETE PAVEMENT RT TO END EXCEL LANE FROM ROUTE F/H
28.603	29.315	I-70 EBL	3763	24	4	10	1146.7	279.3	1589	45.2	END EXCEL LANE FROM ROUTE F/H TO BEGIN DEPTH TRANSITION
29.315	29.325	I-70 EBL	50	24	4	10	15.2	3.1	21	0.6	TRANSISTION DEPTH 1.5" TO 1"
29.325	29.330	I-70 EBL	25	24	4	10	7.6	1.2	11	0.3	DEPTH 1" TO END PROJECT (BRIDGE L0406, HORSESHOE CR.)
20.617	21.598	I-70 EBL	5180							-31.1	GUARED CABLE LOCATON INCLUDED IN ABOVE EB I-70 INSIDE SHOULDER COMPUTATIONS
24.467	24.936	I-70 EBL	2474							-14.9	GUARED CABLE LOCATON INCLUDED IN ABOVE EB I-70 INSIDE SHOULDER COMPUTATIONS
24.956	25.120	I-70 EBL	865							-5.2	GUARED CABLE LOCATON INCLUDED IN ABOVE EB I-70 INSIDE SHOULDER COMPUTATIONS
WESTBOUND I-70											
220.663	221.453	I-70 WBL	4176	24	4	10	1272.5	309.9	1763	50.2	END OF PROJECT (BRIDGE L0406, HORSESHOE CR.) TO BEGIN OFF RAMP TAPER RTE F
221.453	221.637	I-70 WBL	970	24	4		275.9	0.0	302	5.8	BEGIN OFF RAMP TAPER TO RTE F TO NOSE OFF RAMP
221.637	221.900	I-70 WBL	1386	24	4	10	422.3	102.9	585	16.7	NOSE OFF RAMP TO NOSE OF ON RAMP
221.900	222.007	I-70 WBL	567	24	4		161.3	0.0	176		NOSE OF ON RAMP TO BEGIN ACCEL RAMP CONCRETE
222.007	222.207	I-70 WBL	1055	24	4		300.1	0.0	328		BEGIN ACCEL RAMP CONCRETE TO END ACCEL LANE TAPER AND CONCRETE
222.207	224.707	I-70 WBL	13199	24	4	10	4022.1	816.3	5573	158.6	END ACCEL LANETO EAST END BRIDGE A0167 (SNI-A-BAR CREEK)
224.807	225.249	I-70 WBL	2336	24	4	10	711.8	173.4	986	28.1	WEST END BRIDGE A0167 (SNI-A-BAR CREEK) TO DECEL TAPER (ROUTE AA/BB)
225.249	225.440	I-70 WBL	1008	24	4		286.7	0.0	314		DECEL RAMP TAPER TO RAMP NOSE
225.440	225.498	I-70 WBL	307	24	4		87.3	0.0	96		DECEL RAMP TAPER TO END CONCRETE SHOULDER RT
225.498	225.564	I-70 WBL	348	24	4	10	106.0	25.8	147		END CONCRETE SHOULDER RIGHT TO EAST BRIDGE END (ROUTE AA/BB)
225.591	225.729	I-70 WBL	730	24	4	10	222.4	54.2	308	8.8	WEST BRIDGE END (ROUTE AA/BB) TO NOSE ACCEL TAPER (ROUTE AA/BB)
225.729	226.103	I-70 WBL	1971	24	4		560.6	0.0	613		NOSE RAMP ACCEL LANETO END RAMP ACCELL TAPER
226.103	227.969	I-70 WBL	9852	24	4	10	3002.1	731.1	4160	118.4	END RAMP ACCELL TAPER (ROUTE AA/BBREET) TO BEGIN DECEL LANE TAPER (ADAMS DAIRY)
227.969	228.170	I-70 WBL	1065	24	4		302.9	0.0	331	6.4	BEGIN DECEL LANE TAPER TO NOSE RAMP
228.170	228.336	I-70 WBL	875	24	4	10	266.6	64.9	369	10.5	NOSE RAMP TO EAST BRIDGE APPROACH PAVEMENT (ADAM DAIRY)
228.385	228.528	I-70 WBL	754	24	4	10	229.8	56.0	318	9.1	WEST BRIDGE APPROACH PAVEMENT (ADAM DAIRY) TO NOSE OF RAMP GORE
			PAVEMENT QUANTITIES SUBTOTALS 1				26115.7	5042.6	35224	785.0	

SUMMARY OF QUANTITIES
SHEET 1 OF 15

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/16/2020
ROUTE I-70 | STATE MO
DISTRICT KC | SHEET NO. 3
COUNTY JACKSON
JOB NO. J4I3222
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)

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PAVEMENT QUANTITIES (CONTINUED)

LOG MI	LOG MI	LOCATION	LENGTH FEET	LANE WIDTH FT	INSIDE SHOULDER WIDTH FT	OUTSIDE SHOULDER WIDTH FT	SP095BSM PG76-22 1.5" TONS	BP-2 PG64-22 1.5" TONS	TACK COAT GAL	PERMANENT AGGREGATE EDGE TREATMENT TON	REMARKS
WESTBOUND I-70 (CONTINUED)											
228.528	228.730	I-70 WBL	1065	24	4		302.9	0.0	331	6.4	NOSE RAMP GORE TO END RAMP ACCEL TAPER
228.730	229.272	I-70 WBL	2863	24	4	10	872.4	212.5	1209	34.4	END RAMP ACCEL TAPER (ADAMS DAIRY) TO BEGIN RAMP DECEL LANE (ROUTE 7)
229.272	229.373	I-70 WBL	532	24	4		151.3	0.0	166	3.2	BEGIN RAMP DECEL LANE TO BEGIN 19' SHLDER LT
229.373	229.379	I-70 WBL	32	24	19		8.4	9.9	15		BEGIN 19' SHLDER LT TO BEGIN EXISTING TYPE C TRAFFIC BARRIER (SEE TYPICAL SECTION)
229.379	229.461	I-70 WBL	435	24	16.65		114.7	58.7	196	2.6	BEGIN EXISTING TYPE C TRAFFIC BARRIER TO TO NOSE OF GORE
229.461	229.545	I-70 WBL	443	24	11	17.65	125.8	100.8	259	5.3	NOSE OF GORE TO MATCH CONCRETE PAVEMENT
220.663	221.145	I-70 WBL	2549							-15.3	GUARED CABLE LOCATON INCLUDED IN ABOVE EB I-70 INSIDE SHOULDER COMPUTATIONS
222.458	222.977	I-70 WBL	2741							-16.5	GUARED CABLE LOCATON INCLUDED IN ABOVE EB I-70 INSIDE SHOULDER COMPUTATIONS
223.334	224.649	I-70 WBL	6944							-41.7	GUARED CABLE LOCATON INCLUDED IN ABOVE EB I-70 INSIDE SHOULDER COMPUTATIONS
225.591	225.859	I-70 WBL	1412							-8.5	GUARED CABLE LOCATON INCLUDED IN ABOVE EB I-70 INSIDE SHOULDER COMPUTATIONS
225.867	227.905	I-70 WBL	10760							-64.6	GUARED CABLE LOCATON INCLUDED IN ABOVE EB I-70 INSIDE SHOULDER COMPUTATIONS
227.913	228.336	I-70 WBL	2234							-13.4	GUARED CABLE LOCATON INCLUDED IN ABOVE EB I-70 INSIDE SHOULDER COMPUTATIONS
EASTBOUND I-70 RAMPS											
0.011	0.027	EB ROUTE 7 ON RAMP	93	18		6	13.2	5.2	20.6	0.6	NB RTE 7 TURN LANE TO EB I-70 ON RAMP
0.011	0.016	EB ROUTE 7 ON RAMP	23	20	6		4.7	1.3	6.6	0.1	BEGIN RAMP TO END ISLAND
0.027	0.146	EB ROUTE 7 ON RAMP	628	18	6	6	114.6	70.1	209.3	7.5	END ISLAND TO RAMP GORE
0.146	0.193	EB ROUTE 7 ON RAMP	250	15	9	6	38.0	34.7	83.3	3.0	RAMP GORE TO MATCH I-70
0.193	0.260	EB ROUTE 7 ON RAMP	352	12		6	42.8	19.6	70.4	2.1	MATCH I-70 TO BEGIN RAMP TAPER
0.260	0.316	EB ROUTE 7 ON RAMP	298	6		8	18.1	22.1	46.4	1.8	BEGIN RAMP TAPER TO END RAMP TAPER
0.000	0.070	EB ADAMS DAIRY OFF RAMP	370	6		8	22.5	27.5	57.6	2.2	BEGIN RAMP TAPER TO END RAMP TAPER
0.070	0.122	EB ADAMS DAIRY OFF RAMP	275	12		8	33.5	20.4	61.1	1.7	END RAMP TAPER TO END DECEL LANE
0.122	0.143	EB ADAMS DAIRY OFF RAMP	110	15		8	16.7	8.2	28.1	0.7	END DECEL LANE TO RAMP AND I-70 SPLIT
0.143	0.176	EB ADAMS DAIRY OFF RAMP	172	19	4	8	33.1	19.2	59.2	2.1	I-70 SPLIT TO NOSE RAMP GORE
0.176	0.223	EB ADAMS DAIRY OFF RAMP	253	22	4	8	56.4	28.2	95.6	3.0	NIOSE RAMP GORE TO LANE WIDENING
0.223	0.271	EB ADAMS DAIRY OFF RAMP	250	24	4	8	60.8	27.9	100.0	3.0	RAMP CONCRETE WIDENING TO MATCH CONCRETE
0.271	0.316	EB ADAMS DAIRY OFF RAMP	237		4	8	0.0	26.2	31.6		BEGIN CONCRETE LANE WIDENING TO MATCH CONCRETE PAVEMENT
0.316	0.335	EB ADAMS DAIRY OFF RAMP	101		4		0.0	3.7	4.5		SHOULDER ONLY
0.021	0.025	EB ADAMS DAIRY ON RAMP	21		4	8	0.0	2.3	2.8		SHOULDER ONLY
0.025	0.098	EB ADAMS DAIRY ON RAMP	386		4	8	0.0	42.7	51.5		SHOULDER ONLY TO END CONCRETE PAVEMENT
0.098	0.203	EB ADAMS DAIRY ON RAMP	550	20	4	8	111.5	61.4	195.6	6.6	END CONCRETE PAVEMENT TO RAMP GORE NOSE
0.203	0.231	EB ADAMS DAIRY ON RAMP	150	19	10	8	28.9	25.0	61.7	1.8	RAMP GORE NOSE TO MATCH EB I-70
0.231	0.250	EB ADAMS DAIRY ON RAMP	100	15		8	15.2	7.4	25.6	0.6	MATCH EB I-70 TO LANE WIDTH VARIES
0.250	0.364	EB ADAMS DAIRY ON RAMP	600	12		8	73.0	44.5	133.3	3.6	RAMP ACCEL LANE
0.364	0.411	EB ADAMS DAIRY ON RAMP	250	6		8	15.2	18.6	38.9	1.5	BEGIN RAMP TAPER TO END RAMP TAPER
EB I-70 OFF RAMP TO ROUTE AA/BB - NO RESURFACING ALL CONCRETE											NO RESURFACING
0.013	0.126	EB ROUTE AA/BB ON RAMP									CONCRETE RAMP NO RESURFACING
0.126	0.150	EB ROUTE AA/BB ON RAMP	125	16.5	5.5		20.9	6.3	30.6	0.8	END CONCRETE PAVING NEAR RAMP NOSE TO MATCH EB I-70
0.150	0.169	EB ROUTE AA/BB ON RAMP	100	13.5			13.7	0.0	15.0	0.0	MATCH EB I-70 TO LANE WIDTH VARIES
0.169	0.277	EB ROUTE AA/BB ON RAMP	573	12			69.7	0.0	76.4	0.0	RAMP ACCEL LANE TO MATCH CONCRETE ACCEL LANE
0.000	0.047	EB ROUTE F/H OFF RAMP	250	6		8	15.2	18.6	38.9	1.5	BEGIN RAMP TAPER TO END RAMP TAPER
0.047	0.231	EB ROUTE F/H OFF RAMP	969	12		8	117.9	71.9	215.3	5.8	END RAMP TAPER TO END DECEL LANE
0.231	0.311	EB ROUTE F/H OFF RAMP	421	13		8	55.5	31.2	98.2	2.5	END DECEL LANE TO RAMP AND I-70 SPLIT
0.311	0.358	EB ROUTE F/H OFF RAMP	250	16.8		8	42.6	18.6	68.9	1.5	LANE WIDTH VARIES
0.358	0.367	EB ROUTE F/H OFF RAMP	50	22.8	4	8	11.6	5.6	19.3	0.6	LANE WIDTH VARIES
0.367	0.400	EB ROUTE F/H OFF RAMP	172	24	4	8	41.9	19.2	68.8	2.1	
0.400	0.438	EB ROUTE F/H OFF RAMP	200	24' - 36'	4	6	60.5	18.6	88.5	2.4	LANE AND OUTSIDE SHOULDER WIDTH VARIES
0.438	0.480	EB ROUTE F/H OFF RAMP	224	36	4	4	81.8	16.7	109.5	2.7	MATCH CONCRETE INSIDE LANE
0.480	0.490	EB ROUTE F/H OFF RAMP	52	24		4	12.7	1.9	16.2		MATCH CONCRETE INSIDE LANE TO CONCRETE OUTSIDE SHLDR.
0.490	0.495	EB ROUTE F/H OFF RAMP	23	24			5.6	0.0	6.1		MATCH CONCRETE OUTSIDE SHOULDER TO NOSE OF ISLAND
0.034	0.074	EB ROUTE F/H ON RAMP	210	18	4		38.3	7.8	51.3	1.3	MATCH CONCRETE TO END CONCRETE SHLDR. RT.
0.074	0.159	EB ROUTE F/H ON RAMP	445	18	4	8	81.2	49.6	148.3	5.3	END CONC. SHLDR. RT. MATCH GORE
0.159	0.205	EB ROUTE F/H ON RAMP	243	15		8	37.0	18.0	62.1	1.5	RAMP GORE TO MATCH I-70 ACCEL LANE
0.205	0.234	EB ROUTE F/H ON RAMP	154	12		8	18.7	11.4	34.2	0.9	MATCH I-70 ACCEL LANE TO MATCH CONCRETE PAVEMENT
WESTBOUND I-70 RAMPS											
0.000	0.047	WB ROUTE F/H OFF RAMP	250	10	0	8	25.3	18.6	50.0	1.5	BEGIN RAMP TAPER TO END RAMP TAPER
0.047	0.074	WB ROUTE F/H OFF RAMP	140	19	10	8	27.0	23.4	57.6	1.7	TAPER LANE WIDTH 20' TO 18'
0.074	0.150	WB ROUTE F/H OFF RAMP	400	18	4	8	73.0	44.6	133.3	4.8	LANE WIDTH 18
0.150	0.167	WB ROUTE F/H OFF RAMP	90	18.5	4	8	16.9	10.0	30.5	1.1	LANE WIDTH TAPER AND MATCH CONCRETE SHOULDER RT
0.167	0.202	WB ROUTE F/H OFF RAMP	187	21.5	4		40.8	7.0	53.0	1.1	LANE WIIDTH TAPER END AT 24' (MATCH CONCRETE PAVMENT)
0.077	0.083	WB ROUTE F/H ON RAMP	30	18	8	8	5.5	4.4	11.3	0.4	MATCH CONCRETE PAVEMENT TO RAMP GORE
0.083	0.109	WB ROUTE F/H ON RAMP	135	16	8	8	21.9	19.9	48.0	1.6	RAMP GORE TO MATCH I-70
0.109	0.137	WB ROUTE F/H ON RAMP	150	13		7	19.8	9.7	33.3	0.9	MATCH I-70 TO BEGIN RAMP TAPER
0.137	0.190	WB ROUTE F/H ON RAMP	279	12		6	33.9	15.4	55.8	1.7	ACCEL LANE TO MATCH CONCRETE ACCEL. LANE
			PAVEMENT QUANTITIES SUBTOTALS 2				3262.6	1346.5	5180	-22.5	

SUMMARY OF QUANTITIES
SHEET 2 OF 15

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/16/2020
ROUTE I-70 | STATE MO
DISTRICT KC | SHEET NO. 3
COUNTY JACKSON
JOB NO. J4I3222
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

PAVEMENT QUANTITIES (CONTINUED)

LOG MI	LOG MI	LOCATION	LENGTH FEET	LANE WIDTH FT	INSIDE SHOULDER WIDTH FT	OUTSIDE SHOULDER WIDTH FT	SP095BSM PG76-22 1.5" TONS	BP-2 PG64-22 1.5" TONS	TACK COAT GAL	PERMANENT AGGREGATE EDGE TREATMENT TON	REMARKS
WESTBOUND I-70 RAMPS (CONTINUED)											
0.000	0.047	WB ROUTE AA/BB OFF RAMP	250	6		8	15.2	18.4	38.9	1.5	BEGIN RAMP TAPER TO TO END RAMP TAPER (MATCH CONC. SHLDR.)
0.047	0.164	WB ROUTE AA/BB OFF RAMP	615	12			74.8		82.0	0.0	END RAMP TAPER TO END DECEL LANE
0.164	0.190	WB ROUTE AA/BB OFF RAMP	140	13			18.5		20.2	0.0	END DECEL LANE TO TO CONC GORE RT
0.190	0.207	WB ROUTE AA/BB OFF RAMP	87	16			14.1		15.5	0.0	BEGIN CONCRETE GORE TO GORE NOSE
0.207	0.248	WB ROUTE AA/BB OFF RAMP	215	12.5	4		27.2	7.9	39.4	1.3	GORE NOSE BEGIN WIDEN FOR TWO LANES
0.248	0.290	WB ROUTE AA/BB OFF RAMP	225	8	4		18.3	8.3	30.0	1.4	BEGIN NARROWING TO END NARROWING AND PAVING
0.078	0.149	WB ROUTE AA/BB ON RAMP	375	10.92	4		56.7		62.2	2.3	MATCH CONCRETE PAVEMENT TO BEGIN RAMP GORE TAPER
0.149	0.196	WB ROUTE AA/BB ON RAMP	246	13.69	VAR		34.1	10.9	50.6	1.5	BEGIN GORE TO END GORE (INCLUDES GORE PAVEMENT)
0.196	0.298	WB ROUTE AA/BB ON RAMP	540	12			65.7		68.5	0.0	END GORE TO MATCH EXISTING TAPER CONCRETE
0.000	0.057	WB ADAM DAIRY OFF RAMP	300	6		8	18.3	22.3	46.7	1.8	BEGIN RAMP TAPER TO END RAMP TAPER
0.057	0.122	WB ADAM DAIRY OFF RAMP	345	12		6	42.0	19.2	69.0	2.1	END RAMP TAPER TO END DECEL LANE
0.122	0.196	WB ADAM DAIRY OFF RAMP	390	17	12	6	67.2	65.1	151.7	4.7	END DECEL LANE TO GORE
0.196	0.311	WB ADAM DAIRY OFF RAMP	608	22	6	6	135.6	67.8	229.7	7.3	GORE NOSE TO BEGIN CONCRETE PAVEMENT
0.311	0.359	WB ADAM DAIRY OFF RAMP	253		6	8	0.0	32.6	39.4	3.0	BEGIN CONCRETE PAVEMENT TO END SHOULDER RT
0.359	0.370	WB ADAM DAIRY OFF RAMP	58		6		0.0	3.2	3.9	0.3	END SHOULDER RT TO END SHOULDER LEFT
0.026	0.040	WB ADAM DAIRY ON RAMP	73			8	0.0	5.4	6.5		BEGIN ASHPALTIC SHOULDER RT TO BEGIN ASHALTIC SHOUDLER LT
0.040	0.086	WB ADAM DAIRY ON RAMP	243.46		4	8	0.0	26.9	32.5		
0.086	0.195	WB ADAM DAIRY ON RAMP	572.54	24	4	8	139.3	63.9	229.0	6.9	END CONCRETE PAVEMENT TO GORE
0.195	0.245	WB ADAM DAIRY ON RAMP	265	16	10	6	43.0	39.2	94.2	3.2	RAMP GORE TO MATCH I-70
0.245	0.310	WB ADAM DAIRY ON RAMP	345	13		4	45.5	12.9	65.2	2.1	MATCH I-70 TO BEGIN RAMP TAPER
0.310	0.395	WB ADAM DAIRY ON RAMP	450	6		7	27.4	29.2	65.0	2.7	BEGIN RAMP TAPER TO END RAMP TAPER
0.000	0.047	WB ROUTE 7 OFF RAMP	250	6		8	15.2	18.6	38.9	1.5	BEGIN RAMP TAPER TO END RAMP TAPER
0.047	0.114	WB ROUTE 7 OFF RAMP	350	12		6	42.6	19.5	70.0	2.1	END RAMP TAPER TO END DECEL LANE
0.114	0.133	WB ROUTE 7 OFF RAMP	100	13		6	13.2	5.6	21.1	0.6	END DECEL LANE TO I-70 RAMP SPLIT
0.133	0.189	WB ROUTE 7 OFF RAMP	296	16	11	6	48.0	46.5	108.5	3.6	I-70 RAMP SPLIT TO GORE NOSE
0.189	0.270	WB ROUTE 7 OFF RAMP	429	18	6	6	78.3	47.9	143.0	5.2	GORE NOSE TO END 18' LANE
0.270	0.304	WB ROUTE 7 OFF RAMP	180	21.5	6	6	39.2	20.1	67.0	2.2	18' LANE TO LANE WIDTH TAPER
0.304	0.318	WB ROUTE 7 OFF RAMP	73	50	6	6	37.0	8.1	50.3	0.9	END WIDENING TO END PAVING RAMP
			PAVEMENT QUANTITIES SUBTOTALS 3				1116.4	599.6	1939	58.2	
			PAVEMENT QUANTITIES SUBTOTALS 1				26115.7	5042.6	35224	785.0	
			PAVEMENT QUANTITIES SUBTOTALS 2				3262.6	1346.5	5180	-22.5	
			GUARD RAIL WITH SHAPING SLOPES							-86.4	SEE GUARD RAIL QUANTITIES FOR LOCATIONS.
			PAY TOTALS				30494.7	6988.7	42343	734.3	

SUMMARY OF QUANTITIES
SHEET 3 OF 15

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/16/2020

ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
KC	3

COUNTY JACKSON

JOB NO. J4I3222

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

SHOULDER RUMBLE STRIP

LOG MI	LOG MI	LOCATION	BITUMINOUS LEFT STA.	BITUMINOUS RIGHT STA.	CLASS C PARTIAL DEPTH RUMBLE STRIP REPAIR 2 FEET WIDTH REMOVAL S.Y.	CLASS C PARTIAL DEPTH RUMBLE STRIP REPAIR 2 FEET WIDTH FURNISH AND PLACE TON	REMARKS
EASTBOUND I-70							
20.408	20.420						FROM BRIDGE L0983 (RT 7) TO BEGIN PAVING AT END PAVED APPOACH
20.420	20.528	I-70 EB		5.7			BEGIN PAVING TO END 18 FT SHOULDER LT.
20.528	20.541	I-70 EB	0.7	0.7	16	2.7	END 18 FT SHOULDER LEFT TO RAMP GORE
20.541	20.712	I-70 EB	9				BEGIN RAMP GORE TO END RTE 7 RAMP ACCEL LANE TAPER RT.
20.712	21.268	I-70 EB	29.4	29.4	653	108.8	END RTE 7 RAMP ACCEL LANE TAPER RT. TO BEGIN ADAM DAIRY RAMP DECELL TAPER RT
21.268	21.445	I-70 EB	9.3				BEGIN ADAM DAIRY END RAMP ACCEL LANE TAPER RT. TO RAMP NOSE
21.445	21.603	I-70 EB	8.4	8.4	186	31	RAMP NOSE TOTO BRIDGE A5075 (ADAMS DAIRY PKWY)
21.653	21.805	I-70 EB	8	8	178	29.7	END BRIDGE A5075 (ADAMS DAIRY PKWY) TO DECEL RAMP NOSE
21.805	22.012	I-70 EB	11				ADAMS DAIRY GORE ON RAMP TO END ACCEL LANE
22.012	24.052	I-70 EB	107.7	107.7	2394	399	END ACCEL LANE (ADAM DAIRY) TO BEGIN CONCRETE ACCEL LANE (MAIN)
24.052	24.240	I-70 EB	9.9				BEGIN CONCRETE ACCEL LANE (MAIN) TO RAMP NOSE
24.240	24.296	I-70 EB	2.9				RAMP NOSE TO END CONCRETE OUTSIDE SHOULDER
24.296	24.399	I-70 EB	5.4	5.4	121	20.2	END CONCRETE OUTSIDE SHOULDER TO BEGIN BR. L0984 OVER (MAIN)
24.426	24.534	I-70 EB	5.7	5.7	127	21.2	END BR. L0984 OVER MAIN TO DECEL RAMP NOSE (MIAIN)
24.534	24.875	I-70 EB	18				ACCEL RAMP NOSE (MAIN) TO END CONCRETE ACCEL TAPER
24.875	25.183	I-70 EB	16.3	16.3	362	60.3	END CONCRETE ACCEL RAMP TO BEGIN BRIDGE L0146 (SNI-A-BAR CREEK)
25.283	27.703	I-70 EB	127.8	127.8	2840	473.3	END BRIDGE L0146 (SNI-A-BAR CREEK) TO BEGIN DECEL LANE TO ROUTE F
27.703	28.025	I-70 EB	17				BEGIN DECEL LANE TO ROUTE F RAMP GORE NOSE
28.025	28.328	I-70 EB	16	16	354	59	RAMP GORE NOSE DECEL LANE TO RAMP GORE NOSE EXCEL LANE
28.328	28.606	I-70 EB	14.7				RAMP GORE NOSE ACCEL LANE TO END CONC. EXCEL LANE FROM ROUTE F
28.606	29.330	I-70 EB	38.2	38.2	849		END CONC. EXCEL LANE RTE F TO END PROJECT (BRIDGE L0406, HORSESHOE CR.)
WESTBOUND I-70							
220.663	221.556	I-70 WB	47.2	47.2	1048	174.7	END OF PROJECT (BRIDGE L0406, HORSESHOE CR.) TO BEGIN OFF RAMP TAPER TO RTE H
221.556	221.637	I-70 WB	4.3				BEGIN OFF RAMP TAPER TO RTE F TO NOSE OFF RAMP
221.637	221.900	I-70 WB	13.9	13.9	308	51.3	NOSE OFF RAMP TO ON RAMP NOSE
221.900	222.207	I-70 WB	16.2				ON RAMP NOSE TO END CONCRETE ACCEL RAMP TAPER
222.207	224.707	I-70 WB	132	132	2933	488.8	END CONC. ACCEL TAPER TO BEGIN BRIDGE A0167 (SNI-A-BAR CREEK)
224.807	225.249	I-70 WB	23.4	23.4	519	86.5	END BRIDGE A0167 (SNI-A-BAR CREEK) TO BEGIN DECEL LANE TAPER (ROUTE AA/BB)
225.249	225.457	I-70 WB	10.9				BEGIN DECEL LANE TAPER (ROUTE AA/BB) TO RAMP NOSE
225.457	225.498	I-70 WB	2.2				RAMP NOSE TO END CONCRETE SHOULDER RT
225.457	225.564	I-70 WB	5.7	5.7	126	21	END CONCRETE SHOULDER RT TO EAST BRIDGE END (ROUTE AA/BB)
225.591	225.729	I-70 WB	7.3	7.3	162	27	WEST BRIDGE END (ROUTE AA/BB) TO ACCEL RAMP NOSE
225.729	226.103	I-70 WB	19.7				RAMP NOSE TO END RAMP ACCELL TAPER (END CONCRETE)
226.103	227.969	I-70 WB	98.5	98.5	2189	364.8	END RAMP ACCELL TAPER (END CONCRETE) TO BEGIN DECEL LANE TAPER (ADAMS DAIRY)
227.969	228.170	I-70 WB	10.6				BEGIN DECEL LANE TAPER TO NOSE RAMP
228.170	228.336	I-70 WB	8.8	8.8	194	32.3	NOSE RAMP TO EAST APPROACH TO BR. (ADAM DAIRY)
228.385	228.528	I-70 WB	7.5	7.5	168	28	WEST APPROACH BR. (ADAM DAIRY) TO NOSE OF RAMP GORE
228.528	228.730	I-70 WB	10.6				NOSE RAMP GORE TO END RAMP ACCEL TAPER
228.730	229.272	I-70 WB	28.6	28.6	636	106	END RAMP ACCEL TAPER (ADAMS DAIRY) TO BEGIN RAMP DECEL LANE (ROUTE 7)
229.272	229.373	I-70 WB	5.3				BEGIN RAMP DECEL LANE TO BEGIN 18' SHLDER LT
		TOTAL	908.1	742.2	16363	2585.6	
		PAY TOTAL	1650.3		16363	2585.6	

SUMMARY OF QUANTITIES
SHEET 4 OF 15

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/16/2020

ROUTE I-70 | STATE MO

DISTRICT KC | SHEET NO. 3

COUNTY JACKSON

JOB NO. J4I3222

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)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

COLDMILLING

LOG MI	LOG MI	LOCATION	LENGTH FEET	LANE WIDTH FT	INSIDE SHOULDER WIDTH FT	OUTSIDE SHOULDER WIDTH FT	3" OR LESS 0.75" SY	3" OR LESS 1.5" SY	MODIFIED DEPTH TRANSITION SY	REMARKS
EASTBOUND I-70										
20.408	20.420									FROM BRIDGE L0983 (RT 7) TO BEGIN PAVING AT END PAVED APPOACH
20.420	20.434	I-70 EB	75	24	19	10			442	FROM BRIDGE L0983 (RT 7) TO END MOD. DEPTH TRANS.
20.434	20.541	I-70 EB	566	24	19	10	3333			END MOD. DEPTH TRANS.TO BEGIN RAMP GORE
20.541	20.610	I-70 EB	365	24	19		1744			BEGIN RAMP GORE TO END EXIST. TYPE C BARRIER LT.
20.610	20.616	I-70 EB	32	24	15		139			END EXIST TYPE C BARRIER LT. TO END 19' SHLDER LT.
20.616	20.712	I-70 EB	503	24	4		1565			END 19' SHLDER LT TO END RTE 7 RAMP ACCEL LANE TAPER RT.
20.712	21.268	I-70 EB	2937	24	4	10	12401			END RTE 7 RAMP ACCEL LANE TAPER RT. TO BEGIN ADAM DAIRY RAMP DECELL TAPER RT
21.268	21.445	I-70 EB	934	24	4		2906			BEGIN ADAM DAIRY END RAMP ACCEL LANE TAPER RT. TO RAMP NOSE
21.445	21.480	I-70 EB	184	24	4	12	818			RAMP NOSE TO END OF RAMP GORE
21.480	21.589	I-70 EB	579	24	4	10	2445			END RAMP GORE TO BEGIN DEPTH TRANSITION
21.589	21.603	I-70 EB	75	24	4	10			317	BEGIN DEPTH TRANSISTION TO BRIDGE A5075 (ADAMS DAIRY PKWY)
21.653	21.667	I-70 EB	75	24	4	10			317	END BRIDGE A5075 (ADAMS DAIRY PKWY) TO END DEPTH TRANSITION
21.667	21.805	I-70 EB	726	24	4	10	3065			END DEPTH TRANSITIONTO GORE ON RAMP
21.805	22.012	I-70 EB	1096	24	4		3410			ADAMS DAIRY GORE ON RAMP TO END ACCEL LANE
22.012	24.038	I-70 EB	10696	24	4	10	45161			END ACCEL LANE (ADAM DAIRY) TO DEPTH TRANSISTION
24.038	24.052	I-70 EB	75	24	4	10			317	END DEPTH TRANSITION TO BEGIN CONCRETE ACCEL LANE (ROUTE AA/BB)
24.052	24.296	I-70 EB	1289	24	4			4010		BEGIN CONCRETE ACCEL LANE (MAIN) TO END CONCRETE OUTSIDE SHOULDER
24.296	24.399	I-70 EB	543	24	4	10		2293		END RAMP GORE TAPER TO BEGIN BR. L0984 OVER (ROUTE AA/BB)
24.426	24.534	I-70 EB	570	24	4	10		2407		END BR. L0984 OVER MAIN TO DECEL RAMP GORE (ROUTE AA/BB)
24.534	24.692	I-70 EB	830	24	4			2582		ACCEL RAMP GORE TO BEGIN CONCRETE ACCEL RAMP
24.692	24.875	I-70 EB	968	24	4			3012		BEGIN CONCRETE ACCEL RAMP TO END CONCRETE ACCEL RAMP
24.875	24.889	I-70 EB	75	24	4	10			317	END CONCRETE ACCEL RAMP TO END MOD. DEPTH TRANS.
24.889	25.169	I-70 EB	1478	24	4	10	6240			END MOD. DEPTH TRANS TO BEGIN MOD. DEPTH TRANS.
25.169	25.183	I-70 EB	75	24	4	10			317	BEGIN MOD. DEPTH TRANS. TO BEGIN BRIDGE L0146 (SNI-A-BAR CREEK)
25.283	25.298	I-70 EB	75	24	4	10			317	END BRIDGE L0146 (SNI-A-BAR CREEK) TO END MOD. DEPTH TRANSISITION
25.298	25.968	I-70 EB	3538	24	4	10	14938			END MOD. DEPTH TRANS TO BEGIN MOD. DEPTH TRANS.
25.968	25.982	I-70 EB	75	24	4	10			317	BEGIN TO END MOD DEPTH TRANSITION
25.982	26.006	I-70 EB	127	24	4	10		536		END TO BEGIN MOD. DEPTH TRANSITION (BRIDGE R0135) LEFHOLTZ
26.006	26.020	I-70 EB	75	24	4	10			317	BEGIN DEPTH TRANSITION TO END MOD. DEPTH TRANSITIONS
26.020	27.703	I-70 EB	8888	24	4	10	37527			END MOD. DEPTH TRANSITION TO BEGIN DECEL LANE TO ROUTE F
27.703	28.025	I-70 EB	1700	24	4	10	7178			BEGIN DECEL LANE TO ROUTE F RAMP GORE NOSE
28.025	28.143	I-70 EB	623	24	4	10	2630			ROUTE F RAMP GORE NOSE TO BEGIN MOD. DEPTH TRANS. AT BRIDGE
28.143	28.158	I-70 EB	75	24	4	10			317	BEGIN TO END MOD. DEPTH TRANS.
28.158	28.190	I-70 EB	170	24	4	10		718		END TO BEGIN MOD. DEPTH TRANSITION ROUTE F/H (BRIDGE L09863)
28.190	28.204	I-70 EB	75	24	4	10			317	BEGIN TO END MOD. DEPTH TRANS.
28.204	28.328	I-70 EB	652	24	4	10	2753			END MOD DEPTH TRANS TO RAMP GORE NOSE EXCEL LANE
28.328	28.390	I-70 EB	329	24	4		1024			RAMP GORE NOSE ACCEL LANE TO BEGIN MOD. DEPTH TRANS.
28.390	28.404	I-70 EB	75	24	4				233	BEGIN MOD. DEPTH TRANS. TO BEGIN CONCRETE PAVEMENT RT
28.404	28.603	I-70 EB	1049	24	4			3264		BEGIN CONCRETE ACCEL. PVMNT RT TO END CONC. EXCEL LANE FROM ROUTE F
28.603	28.617	I-70 EB	75	24	4	10			317	BEGIN MOD DEPTH TRANS TO END MOD DEPTH TRANS.
28.617	29.315	I-70 EB	3688	24	4	10	15572			END MODIFIED DEPTH TRANS. TO BEGIN MOD. DEPTH TRANS.
29.315	29.330	I-70 EB	75	24	4	10			317	BEGIN MOD. DEPTH TRANS. TO END PROJECT (BRIDGE L0406, HORSESHOE CR.)
WESTBOUND I-70										
220.663										END OF PROJECT (BRIDGE L0406, HORSESHOE CR.)
220.663	220.666		15	24	4			47		END OF PROJECT TO BEGIN MOD. DEPTH TRANS.
220.666	220.677	I-70 WB	75	24	4	10			317	BEGIN MOD. DEPTH TO END MOD. DEPTH TRANS.
220.677	221.556	I-70 WB	4641	24	4	10	19595			END MOD. DEPTH TRANS.TO BEGIN OFF RAMP TAPER TO RTE H
221.556	221.637	I-70 WB	430	24	4	10	1816			BEGIN OFF RAMP TAPER TO RTE F TO NOSE OFF RAMP
221.637	221.789	I-70 EB	801	24	4	10	3382			ROUTE F RAMP GORE NOSE TO BEGIN MOD. DEPTH TRANS. AT BRIDGE
221.789	221.803	I-70 EB	75	24	4	10			317	BEGIN MOD. DEPTH TRANS. TO END MOD. DEPTH TRANSITION
221.803	221.900	I-70 WB	510	24	4			1587		END DEPTH TRANSITION TO ON RAMP NOSE
221.900	222.007	I-70 WB	566	24	4			1761		ON RAMP NOSE TO BEGIN CONCRETE ACCEL LANE
222.007	222.207	I-70 WB	1057	24	4			3288		BEGIN CONCRETE ACCEL LANE TO END CONCRETE ACCEL RAMP TAPER
222.207	222.221	I-70 WB	75	24	4				233	END CONC. ACCEL TAPER TO END DEPTH TRANSITION
222.221	223.967	I-70 EB	9220	24	4	10	38929			END TO BEGIN MOD. DEPTH TRANS.
223.967	223.982	I-70 EB	75	24	4	10			317	BEGIN TO END MOD. DEPTH TRANSITION
223.982	224.006	I-70 EB	128	24	4	10		540		END TO BEGIN MOD. DEPTH TRANS. (BRIDGE R0135) LEFHOLTZ
224.006	224.020	I-70 EB	75	24	4	10			317	BEGIN TO END MOD DEPTH TRANS
224.020	224.692	I-70 WB	3550	24	4	10	14989			END MOD. DEPTH TRANS TO BEGIN DEPTH TRANSITION
224.692	224.707	I-70 WB	75	24	4	10			317	BEGIN TO END MOD. DEPTH TRANS (BRIDGE A0167) SNI-A-BAR CREEK
224.807	224.821	I-70 WB	75	24	4	10			317	END BRIDGE A0167 (SNI-A-BAR CREEK) TO END DEPTH TRANSITION
224.821	225.235	I-70 WB	2185	24	4	10	9226			END DEPTH TRANSITION TO BEGIN MOD DEPTH TRANS.
225.235	225.249	I-70 WB	75	24	4	10			317	BEGIN MOD. DEPTH TRANS TO END DEPTH TRANS. AT OFF RP TAPER (ROUTE AA/BB)
225.249	225.498	I-70 WB	1316	24	4			4094		END MOD. DEPTH TRANS. TO END CONCRETE SHOULDER RT
225.498	225.564	I-70 WB	348	24	4	10		1469		END CONCRETE SHOULDER RT TO EAST BRIDGE END (ROUTE AA/BB)
225.591	225.605	I-70 WB	75	24	4	10			317	WEST BRIDGE END (ROUTE AA/BBREET) TO END MOD DEPTH TRANSITION
225.605	225.715	I-70 WB	580	24	4	10	2449			END MOD. DEPTH TRANSITION TO BEGIN MOD DEPTH TRANS.
225.715	225.729	I-70 WB	75	24	4	10			317	BEGIN MOD. DEPTH TRANS. TO END DEPTH TRANS. (RAMP NOSE)
				COLDMILLING SUBTOTALS 1			255235	31608	7565	

SUMMARY OF QUANTITIES
SHEET 5 OF 15

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/16/2020

ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
KC	3

COUNTY JACKSON

JOB NO. J4I3222

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

COLDMILLING (CONTINUED)

LOG MI	LOG MI	LOCATION	LENGTH FEET	LANE WIDTH FT	INSIDE SHOULDER WIDTH FT	OUTSIDE SHOULDER WIDTH FT	3" OR LESS 0.75" SY	3" OR LESS 1.5" SY	MODIFIED DEPTH TRANSITION SY	REMARKS
WESTBOUND I-70 (CONTINUED)										
225.729	225.877	I-70 WB	778	24	4			2420		END DEPTH TRANS. (RAMP NOSE) TO BEGIN CONCRETE ACCEL LANE
225.877	226.103	I-70 WB	1193	24	4			3712		BEGIN CONCRETE ACCEL LANE TO END RAMP ACCELL TAPER (END CONCRETE)
226.103	226.117	I-70 WB	75	24	4	10			317	END RAMP ACCELL TAPER (ROUTE AA/BB) TO END MOD. DEPTH TRANS.
226.117	227.969	I-70 WB	9777	24	4	10	41281			END MOD. DEPTH TRANSITIONTO BEGIN DECEL LANE TAPER (ADAMS DAIRY)
227.969	228.170	I-70 WB	1065	24	4		3313			BEGIN DECEL LANE TAPER TO NOSE RAMP
228.170	228.322	I-70 WB	800	24	4	10	3378			NOSE RAMP TO MOD. DEPTH TRANSITION
228.322	228.336	I-70 WB	75	24	4	10			317	BEGIN MOD. DEPTH TRANS.TO EAST APPROACH TO BR. (ADAM DAIRY)
228.385	228.399	I-70 WB	75	24	4	10			317	WEST APPROACH BR. (ADAM DAIRY) TO END MOD. DEPTH TRANS.
228.399	228.528	I-70 WB	679	24	4	10	2867			END MOD. DEPTH TRANS. TO NOSE OF RAMP GORE
228.528	228.730	I-70 WB	1065	24	4		3313			NOSE RAMP GORE TO END RAMP ACCEL TAPER
228.730	229.272	I-70 WB	2863	24	4	10	12088			END RAMP ACCEL TAPER (ADAMS DAIRY) TO BEGIN RAMP DECEL LANE (ROUTE 7)
229.272	229.373	I-70 WB	532	24	4		1655			BEGIN RAMP DECEL LANE TO BEGIN 19' SHLDER LT
229.373	229.379	I-70 WB	32	24	15		139			BEGIN 19' SHLDER LT TO BEGIN EXISTING TYPE C TRAFFIC BARRIER (SEE TYPICAL SECTION)
229.373	229.461	I-70 WB	465	24	16.65		2100			BEGIN EXISTING TYPE C TRAFFIC BARRIER TO TO NOSE OF GORE
229.461	229.562	I-70 WB	535	24	12.55	16.75	3168			NOSE OF GORE TO BEGIN MOD. DEPTH TRANS.
229.562	229.576	I-70 WB	75	24	8.7	20.4			443	BEGIN MOD. DEPTH TRANS TO END MOD. DEPTH TRANSITIONI
229.576	229.577	I-70 WB	5	24	8.7	20.4		30	30	END MOD. DEPTH TRANS TO MATCH APPROACH TO BR. (ROUTE7)
EASTBOUND I-70 RAMPS										
0.011	0.027	EB ROUTE 7 ON RAMP	93	18		6		248		NB RTE 7 TURN LANE TO EB I-70 ON RAMP / BEGIN MODIFIED DEPTH TRANS.
0.011	0.016	EB ROUTE 7 ON RAMP	23	20	6			66		BEGIN RAMP TO END ISLAND
0.027	0.041	EB ROUTE 7 ON RAMP	75	18	6	6			250	BEGIN MODIIFIED DEPTH TRANS. TO END MOD. DEPTH TRANS.
0.041	0.146	EB ROUTE 7 ON RAMP	553	15	9	6	1843			END MOD. DEPTH TRANS. TO RAMP GORE
0.146	0.193	EB ROUTE 7 ON RAMP	250	15	9	6	833			RAMP GORE TO MATCH I-70
0.193	0.260	EB ROUTE 7 ON RAMP	352	12		6	704			MATCH I-70 TO BEGIN RAMP TAPER
0.260	0.316	EB ROUTE 7 ON RAMP	298	6		8	464			BEGIN RAMP TAPER TO END RAMP TAPER
0.000	0.070	EB ADAMS DAIRY OFF RAMP	370	6		8	576			BEGIN RAMP TAPER TO END RAMP TAPER
0.070	0.122	EB ADAMS DAIRY OFF RAMP	275	12		8	611			END RAMP TAPER TO END DECEL LANE
0.122	0.143	EB ADAMS DAIRY OFF RAMP	110	15		8	281			END DECEL LANE TO RAMP AND I-70 SPLIT
0.143	0.176	EB ADAMS DAIRY OFF RAMP	172	19	4	8	592			I-70 SPLIT TO NOSE RAMP GORE
0.176	0.223	EB ADAMS DAIRY OFF RAMP	253	22	4	8	956			NIOSE RAMP GORE TO LANE WIDENING
0.223	0.257	EB ADAMS DAIRY OFF RAMP	175	24	4	8	700			LANE WIDIENING TO MOD. DEPTH TRANS.
0.257	0.271	EB ADAMS DAIRY OFF RAMP	75	24	4	8			300	MODIFIED DEPTH TRANS. TO BEGIN CONCRETE LANE WIDENING
0.271	0.316	EB ADAMS DAIRY OFF RAMP	237		4	8		316		BEGIN CONCRETE LANE WIDENING TO MATCH CONCRETE PAVEMENT
0.316	0.335	EB ADAMS DAIRY OFF RAMP	101		4			45		SHOULDER ONLY
0.021	0.025	EB ADAMS DAIRY ON RAMP	21		6	6	28			SHOULDER ONLY
0.025	0.098	EB ADAMS DAIRY ON RAMP	386		6	6	515			SHOULDER ONLY TO END CONCRETE PAVEMENT
0.098	0.113	EB ADAMS DAIRY ON RAMP	75	20	6	6			267	END CONCRETE PAVEMENT TO END MOD DEPTH TRANS.
0.113	0.203	EB ADAMS DAIRY ON RAMP	475	19	10	6	1847			END MOD DEPTH TRANS. TO RAMP GORE NOSE
0.203	0.231	EB ADAMS DAIRY ON RAMP	150	19	10	6	583			RAMP GORE NOSE TO MATCH EB I-70
0.231	0.250	EB ADAMS DAIRY ON RAMP	100	15		6	233			MATCH EB I-70 TO LANE WIDTH VARIES
0.250	0.364	EB ADAMS DAIRY ON RAMP	600	12		6	1200			RAMP ACCEL LANE
0.364	0.411	EB ADAMS DAIRY ON RAMP	250	6		8	389			BEGIN RAMP TAPER TO END RAMP TAPER
EB I-70 OFF RAMP TO NORTH MAIN - NO RESURFACING ALL CONCRETE										NO RESURFACING
0.126	0.140	EB ROUTE AA/BB ON RAMP	75	16.5	5.5			183		END CONCRETE PAVING NEAR RAMP NOSE TO END MOD DEPTH TRANS.
0.140	0.150	EB ROUTE AA/BB ON RAMP	50	16.5	5.5			122		END MOD. DEPTH TRANS. TO MATCH EB I-70
0.150	0.169	EB ROUTE AA/BB ON RAMP	100	13.5				150		MATCH EB I-70 TO LANE WIDTH VARIES
0.169	0.278	EB ROUTE AA/BB ON RAMP	575	12				767		RAMP ACCEL LANE TO MATCH CONCRETE ACCEL LANE
0.000	0.047	EB ROUTE F/H OFF RAMP	250	6		8	389			BEGIN RAMP TAPER TO END RAMP TAPER
0.047	0.231	EB ROUTE F/H OFF RAMP	969	12		8	2153			END RAMP TAPER TO END DECEL LANE
0.231	0.311	EB ROUTE F/H OFF RAMP	421	13		8	982			END DECEL LANE TO RAMP AND I-70 SPLIT
0.311	0.358	EB ROUTE F/H OFF RAMP	250	16.8		8	689			LANE WIDTH VARIES
0.358	0.367	EB ROUTE F/H OFF RAMP	50	22.8	6	8	204			LANE WIDTH VARIES
0.367	0.400	EB ROUTE F/H OFF RAMP	172	24	6	8	726			
0.400	0.438	EB ROUTE F/H OFF RAMP	200	24' - 36	6	6	930			LANE AND OUTSIDE SHOULDER WIDTH VARIES
0.438	0.466	EB ROUTE F/H OFF RAMP	149	36	6	4	829			36' LANES TO BEGIN DEPTH TRANS.
0.466	0.480	EB ROUTE F/H OFF RAMP	75	36	6	4			383	END DEPTH TRANS. AT MATCH CONCRETE INSIDE LANE
0.480	0.490	EB ROUTE F/H OFF RAMP	52	24		4		162		MATCH CONCRETE INSIDE LANE TO CONCRETE OUTSIDE SHLDR.
0.490	0.495	EB ROUTE F/H OFF RAMP	25	24				67		MATCH CONCRETE OUTSIDE SHOULDER TO NOSE OF ISLAND
0.034	0.074	EB ROUTE F/H ON RAMP	210	18	4			513		BEGIN AT MATCH CONC. PAVEMENT END CONC. WIDENING RT
0.074	0.089	EB ROUTE F/H ON RAMP	75	18	4	8			250	BEGIN DEPTH TRANS TO END MOD. DEPTH TRANS.
0.089	0.159	EB ROUTE F/H ON RAMP	370	18	4	8	1233			END MODIFIED DEPTH TRANSITION TO RAMP GORE
0.159	0.205	EB ROUTE F/H ON RAMP	243	15		8	621			RAMP GORE TO MATCH I-70
0.205	0.220	EB ROUTE F/H ON RAMP	80	12		8	178			MATCH I-70 TO BEGIN MODIFIED DEPTH TRANSITION
0.220	0.234	EB ROUTE F/H ON RAMP	75	12		8			167	BEGIN MOD. DEPTH TRANS. TO MATCH CONCRETE ACCEL LANE
				COLDMILLING SUBTOTALS 2			94591	8801	3041	

SUMMARY OF QUANTITIES
SHEET 6 OF 15

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/16/2020
ROUTE I-70 | STATE MO
DISTRICT KC | SHEET NO. 3
COUNTY JACKSON
JOB NO. J4I3222
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)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

COLDMILLING (CONTINUED)

LOG MI	LOG MI	LOCATION	LENGTH FEET	LANE WIDTH FT	INSIDE SHOULDER WIDTH FT	OUTSIDE SHOULDER WIDTH FT	3" OR LESS 0.75" SY	3" OR LESS 1.5" SY	MODIFIED DEPTH TRANSITION SY	REMARKS
WESTBOUND I-70 RAMPS										
0.000	0.047	WB ROUTE F/H OFF RAMP	250	10		8	500			BEGIN RAMP TAPER TO END RAMP TAPER
0.047	0.074	WB ROUTE F/H OFF RAMP	140	19	10	8	576			TAPER LANE WIDTH 20' TO 18'
0.074	0.150	WB ROUTE F/H OFF RAMP	400	18	4	8	1333			LANE WIDTH 18
0.150	0.152	WB ROUTE F/H OFF RAMP	15	18	4	8	50			BEGIN LANE WIDTH TAPER AND MODIFIED DEPTH TRANSITION
0.152	0.167	WB ROUTE F/H OFF RAMP	75	18.5	4	8			254	END LANE WIDTH TAPER AND MOD. DEPTH TRANS AND MATCH CONC. SHLDER RT
0.150	0.202	WB ROUTE F/H OFF RAMP	277	21.5	4			785		LANE WIIDTH TAPER END AT 24' (MATCH CONCRETE PAVMENT)
0.077	0.083	WB ROUTE F/H ON RAMP	30	18	8	8		113		MATCH CONCRETE PAVEMENT TO RAMP GORE
0.083	0.109	WB ROUTE F/H ON RAMP	135	16	8	8		480		RAMP GORE TO MATCH I-70
0.109	0.137	WB ROUTE F/H ON RAMP	150	13		7		333		MATCH I-70 TO BEGIN RAMP TAPER
0.137	0.190	WB ROUTE F/H ON RAMP	279	12		6		558		ACCEL LANE TO MATCH CONCRETE ACCEL LANE
0.000	0.047	WB ROUTE AA/BB OFF RAMP	250	6		8		389		BEGIN RAMP TAPER TO TO END RAMP TAPER (MATCH CONC. SHLDR.)
0.047	0.164	WB ROUTE AA/BB OFF RAMP	615	12				820		END RAMP TAPER TO END DECEL LANE
0.164	0.190	WB ROUTE AA/BB OFF RAMP	140	13				202		END DECEL LANE TO TO CONC GORE RT
0.190	0.207	WB ROUTE AA/BB OFF RAMP	87	16				155		BEGIN CONCRETE GORE TO GORE NOSE
0.207	0.248	WB ROUTE AA/BB OFF RAMP	215	12.5	4			394		GORE NOSE BEGIN WIDEN FOR TWO LANES
0.248	0.290	WB ROUTE AA/BB OFF RAMP	225	8	4			300		BEGIN NARROWING TO END NARROWING AND PAVING
0.078	0.149	WB ROUTE AA/BB ON RAMP	375	10.92	4			621.7		MATCH CONCRETE PAVEMENT TO BEGIN RAMP GORE TAPER
0.149	0.196	WB ROUTE AA/BB ON RAMP	246	13.69	VAR			505.8		BEGIN GORE TO END GORE (INCLUDES GORE PAVEMENT)
0.196	0.298	WB ROUTE AA/BB ON RAMP	540	VAR				684.8		END GORE TO MATCH EXISTING TAPERED CONCRETE
0.000	0.057	WB ADAM DAIRY OFF RAMP	300	6		8	467			BEGIN RAMP TAPER TO END RAMP TAPER
0.057	0.122	WB ADAM DAIRY OFF RAMP	345	12		6	690			END RAMP TAPER TO END DECEL LANE
0.122	0.196	WB ADAM DAIRY OFF RAMP	390	17	12	6	1517			END DECEL LANE TO GORE
0.196	0.297	WB ADAM DAIRY OFF RAMP	533	22	6	8	2132			GORE NOSE TO BEGIN DEPTH TRANSITION
0.297	0.311	WB ADAM DAIRY OFF RAMP	75	22	6	8			300	BEGIN DEPTH TRANSITION TO BEGIN CONCRETE PAVEMENT
0.311	0.359	WB ADAM DAIRY OFF RAMP	253		6	8		394		BEGIN CONCRETE PAVEMENT TO END SHOULDER RT
0.359	0.370	WB ADAM DAIRY OFF RAMP	58		6			39		END SHOULDER RT TO END SHOULDER LEFT
0.026	0.040	WB ADAM DAIRY ON RAMP	73			8		65		SHOULDER ONLY
0.040	0.086	WB ADAM DAIRY ON RAMP	243		4	8		325		SHOULDER ONLY TO END CONCRETE PAVEMENT
0.086	0.100	WB ADAM DAIRY ON RAMP	75	24	4	8			300	END CONCRETE PAVEMENT TO END DEPTH TRANSITION
0.086	0.195	WB ADAM DAIRY ON RAMP	573	24	4	8		2290		END DEPTH TRANSITION TO RAMP GORE NOSE
0.195	0.245	WB ADAM DAIRY ON RAMP	265	24	4	8	1060			RAMP GORE NOSE TO MATCH EB I-70
0.245	0.310	WB ADAM DAIRY ON RAMP	345	16	10	6	1227			MATCH EB I-70 TO LANE WIDTH VARIES
0.310	0.395	WB ADAM DAIRY ON RAMP	450	6		7	650			BEGIN RAMP TAPER TO END RAMP TAPER
0.000	0.047	WB ROUTE 7 OFF RAMP	250	6		8	389			BEGIN RAMP TAPER TO END RAMP TAPER
0.047	0.114	WB ROUTE 7 OFF RAMP	350	12		6	700			END RAMP TAPER TO END DECEL LANE
0.114	0.133	WB ROUTE 7 OFF RAMP	100	13		6	211			END DECEL LANE TO I-70 RAMP SPLIT
0.133	0.189	WB ROUTE 7 OFF RAMP	296	16	11	6	1085			I-70 RAMP SPLIT TO GORE NOSE
0.189	0.256	WB ROUTE 7 OFF RAMP	354	18	6	6	1180			GORE NOSE TO BEGIN DEPTH TRANSITION
0.256	0.270	WB ROUTE 7 OFF RAMP	75	18	6	6			250	BEGIN DEPTH TRANSITION TO END 18' LANE
0.270	0.304	WB ROUTE 7 OFF RAMP	180	21.5	6	6		670		18' LANE TO LANE WIDTH TAPER
0.304	0.318	WB ROUTE 7 OFF RAMP	73	50	6	6		503		END WIDENING TO END PAVING RAMP
				COLDMILLING SUBTOTAL 3			13767	10627	1104	
				COLDMILLING SUBTOTALS 1			255235	31608	7565	
				COLDMILLING SUBTOTALS 2			94591	8801	3041	
				PAY TOTALS			414629		11710	

SUMMARY OF QUANTITIES
SHEET 7 OF 15

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/16/2020

ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
KC	3

COUNTY JACKSON

JOB NO. J4I3222

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS

LOG MI	LOG MI	LOCATION	MARKING REMOVAL L.F.	6" YELLOW EDGELINE L.F.	6" WHITE EDGELINE L.F.	6" WHITE INTERMITTENT L.F.	6" WHITE DOTTED L.F.	12" WHITE GORE LINE L.F.	REMARKS
EASTBOUND I-70									
ROUTE 7 EAST BRIDGE END									
20.408	20.549	EB I-70		745	767	186	-	-	BRIDGE END TO BEGIN GORE
20.549	20.599	EB I-70 AT ROUTE 7		266		70		266	
20.599	20.652	EB I-70 AT ROUTE 7		276		69	69		
20.652	20.712	EB I-70 AT ROUTE 7		316		79			END RAMP TAPER
20.712	21.268	EB I-70		2937	2959	734	-		END RAMP TAPER TO BEGIN ADAMS DAIRY DECEL TAPER
21.268	21.344	EB I-70 AT ADAMS DAIRY		400		100	-		BEGIN DOTTED STRIPING
21.344	21.391	EB I-70 AT ADAMS DAIRY		250		62	62		BEGIN DOTTED TO BEGIN GORE
21.391	21.448	EB I-70 AT ADAMS DAIRY		300		75	-	300	BEGIN GORE TO END GORE (ADAMS DAIRY PKWY)
21.448	21.802	EB I-70 AT ADAMS DAIRY		1872	1872	468	-		END RP GORE (ADAMS DAIRY PKWY) TO BEGIN RP GORE (ADAMS DAIRY PKWY)
21.802	21.857	EB I-70 AT ADAMS DAIRY		288		72	-	288	BEGIN GORE TO END GORE (ADAMS DAIRY ACCEL LANE)
21.857	21.965	EB I-70 AT ADAMS DAIRY		570		143	143	-	BEGIN DOTTED STRIPING TO END DOTTED
21.965	22.012	EB I-70 AT ADAMS DAIRY		250		60	-		END DOTTED TO END RAMP TAPER
22.012	24.052	EB I-70		10770	10770	2690	-	-	END RAMP TAPER TO BEGIN RAMP TAPER
24.052	24.109	EB I-70 AT ROUTE AA/BB		300		70	-	-	BEGIN RAMP TAPER TO END RP TAPER BEGIN DOTS
24.109	24.140	EB I-70 AT ROUTE AA/BB		166		40	42		BEGIN DOTS TO BEGIN RP DASH REMOVAL
24.140	24.191	EB I-70 AT ROUTE AA/BB	70	270		70	67	-	DASH REMOVAL TO END DOTS/BEGIN GORE (CONCRETE)
24.191	24.240	EB I-70 AT ROUTE AA/BB		259		60	-	259	BEGIN GORE TO END GORE
24.240	24.534	EB I-70 AT ROUTE AA/BB		1552		410	-		END GORE TO BEGIN GORE
24.534	24.577	EB I-70 AT ROUTE AA/BB		227		80	-	227	BEGIN GORE TO END GORE AND BEGIN DASHED
24.577	24.696			626		180	157		BEGIN DASHED TO BEGIN INTERMITTENT REMOVAL ACCEL LANE
24.696	24.698	EB I-70 AT ROUTE AA/BB	10.000	10		20	2		BEGIN INTERMITTENT REMOVAL TO END INTERMITTENT REMOVAL
24.577	24.818	EB I-70 AT ROUTE AA/BB		1271		340	318		END INTERMITTENT REMOVAL TO END DASHED
24.818	24.875	EB I-70 AT ROUTE AA/BB		300		100	-		END DASHED TO END RAMP TAPER
24.875	27.703	EB I-70		14935	14945	3750	-		END RAMP TAPER TO BEGIN RAMP TAPER TO ROUTE F/H
27.703	27.751	EB I-70 AT ROUTE F/H		250		80	-		BEGIN RAMP TAPER TO END TAPER
27.751	27.966	EB I-70 AT ROUTE F/H		1135		280	284		END TAPER/BEGIN DASHED TO BEGIN RAMP GORE
27.966	28.027	EB I-70 AT ROUTE F/H		325		80		325	BEGIN RAMP GORE TO END RP GORE
28.027	28.328	EB I-70 AT ROUTE F/H		1585	1595	400			END RAMP GORE TO BEGIN RAMP GORE
28.328	28.380	EB I-70 AT ROUTE F/H		275		70		275	BEGIN RAMP GORE TO END RP GORE
28.380	28.526	EB I-70 AT ROUTE F/H		771		190	193		BEGIN DASHED TO END DASHED AT RP TAPER
28.526	28.606	EB I-70 AT ROUTE F/H		425		110			BEGIN RAMP TAPER TO END RP TAPER
28.606	29.335	EB I-70		3847	3857	960			END RP TAPER TO END OF E.B.L. (BRIDGE)
WESTBOUND I-70									
HORSESHOE CREEK WEST BRIDGE END									
220.663	221.556	WB I-70		4716	4716	1180			BEGINNING AT W.B. (BRIDGE) TO BEGIN TAPER RAMP RTE F
221.556	221.608	WB I-70 AT ROUTE F/H		278		70			BEGIN TAPER RAMP RTE F TO RAMP GORE LINE
221.608	221.637	WB I-70 AT ROUTE F/H		153		40		153	BEGIN GORE RAMP TO END GORE RAMP
221.637	221.899	WB I-70 AT ROUTE F/H		1380	1380	350			END GORE RAMP TO BEGIN GORE RAMP
221.899	221.954	WB I-70 AT ROUTE F/H		292		70		292	BEGIN RAMP GORE TO END RAMP GORE
221.954	222.007	WB I-70 AT ROUTE F/H		279		70			END RAMP GORE RAMP TO BEGIN ACCEL RAMP CONCRETE
222.007	222.146	WB I-70 AT ROUTE F/H	180	737		180	184		END RAMP GORE TO END DOT ACCEL LANE
222.146	222.207	WB I-70 AT ROUTE F/H		320		80			END DOTS TO END ACCEL LANE TAPER
222.207	225.249	WB I-70		16063	16063	4020			END ACCEL LANE TAPER TO BEGIN ACCEL LANE TAPER
225.249	225.296	WB I-70 AT ROUTE AA/BB		246		60			BEGIN DECEL LANE TAPER (RTE. BB) TO END DECEL LANE TAPER
225.296	225.414	WB I-70 AT ROUTE AA/BB		622		160	156		END DECEL LANE TAPER TO GORE
225.414	225.457	WB I-70 AT ROUTE AA/BB		228		60		228	BEGIN GORE TO END GORE
225.457	225.729	WB I-70 AT ROUTE AA/BB		1438	1438	360			END GORE TO BEGIN GORE ACCEL LANE
225.729	225.775	WB I-70 AT ROUTE AA/BB		240		60		240	BEGIN GORE TO END GORE
225.775	225.877	WB I-70 AT ROUTE AA/BB		539		130	135		END GORE TO BEGIN RAMP DASH REMOVAL
225.877	225.909	WB I-70 AT ROUTE AA/BB	40	171		220	43		BEGIN DASH REMOVAL TO END DASH REMOVAL (CONCRETE)
225.909	226.046	WB I-70 AT ROUTE AA/BB		722		260	180		END DASH REMOVAL TO BEGIN ACCEL TAPER
226.046	226.103	WB I-70 AT ROUTE AA/BB		300		80			BEGIN ACCEL TAPER END ACCEL TAPER
226.103	227.969	WB I-70		9852	9852	2460			END ACCEL LANE TAPER TO BEGIN DECEL LANE TAPER
227.969	228.025	WB I-70 AT ADAMS DAIRY		300		80			BEGIN TAPER DECEL LANE TO END TAPER DECEL LANE
228.025	228.091	WB I-70 AT ADAMS DAIRY		346		90	86		END DECEL TAPER TO BEGIN GORE
228.091	228.170	WB I-70 AT ADAMS DAIRY		419		100		419	BEGIN GORE TO END GORE
228.170	228.528	WB I-70 AT ADAMS DAIRY		1889	1889	470			END GORE TO BEGIN GORE ACCEL LANE
228.528	228.579	WB I-70 AT ADAMS DAIRY		269		70		269	BEGIN GORE TO END GORE
228.579	228.673	WB I-70 AT ADAMS DAIRY		495		100	99		END GORE TO BEGIN ACCEL LANE TAPER
228.673	228.730	WB I-70 AT ADAMS DAIRY		300		80			BEGIN ACCEL TAPER TO END ACCEL TAPER
228.730	229.272	WB I-70		2864	2864	720			END ACCEL LANE TAPER TO BEGIN DECEL LANE TAPER
229.272	229.329	WB I-70 AT ROUTE 7		300		80			BEGIN TAPER DECEL LANE TO END TAPER DECEL LANE
229.329	229.385	WB I-70 AT ROUTE 7		296		70	74		END DECEL TAPER TO BEGIN GORE
229.385	229.461	WB I-70 AT ROUTE 7		403		100			BEGIN GORE TO END GORE
229.461	229.577	WB I-70 AT ROUTE 7		612	612	150			RAMP GORE (ROUTE 7) TO END OF W.B.L. (BRIDGE)
		SUBTOTALS 1	300	94838	75579	24118	2294	3541	

SUMMARY OF QUANTITIES
SHEET 8 OF 15

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/16/2020
ROUTE I-70 | STATE MO
DISTRICT KC | SHEET NO. 3
COUNTY JACKSON
JOB NO. J4I3222
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS (CONTINUED)

LOG MI	LOG MI	LOCATION	MARKING REMOVAL L.F.	6" YELLOW EDGELINE L.F.	6" WHITE EDGELINE L.F.	6" WHITE INTERMITTENT L.F.	6" WHITE DOTTED L.F.	12" WHITE GORE LINE L.F.	REMARKS
RAMPS									
0.009	0.027	EB RTE 7 ON RAMP			164	-	-	-	NB RTE 7 TO EB I-70 RIGHT TURN LANE
0.011	0.017	EB RTE 7 ON RAMP		34	34	-	-	-	END AT END OF ISLAND
0.017	0.027	EB RTE 7 ON RAMP		50					END OF ISLAND TO END TURN RADIUS
0.027	0.147	EB RTE 7 ON RAMP		635	635				END TURN RADIUS TO RAMP GORE
0.147	0.205	EB RTE 7 ON RAMP			309			309	
0.205	0.316	EB RTE 7 ON RAMP			587				RIGHT EDGE LINE TO END RAMP TAPER
0.000	0.122	EB ADAM DAIRY OFF RAMP			646				BEGIN RAMP TAPER TO RAMP GORE
0.122	0.182	EB ADAM DAIRY OFF RAMP			314			314	BEGIN GORE TO END GORE
0.182	0.258	EB ADAM DAIRY OFF RAMP		400	400				END GORE TO BEGIN LANE LINE RT TURN
0.258	0.271	EB ADAM DAIRY OFF RAMP		70	140				BEGIN ONE LANE MARKING TO TWO LANE MARKING
0.271	0.316	EB ADAM DAIRY OFF RAMP		238	714				TWO LANE MARKING TO RT TURN RADII
0.015	0.025	EB ADAM DAIRY ON RAMP		50					
0.025	0.201	EB ADAM DAIRY ON RAMP		932	932				EDGE LINES TO GORE
0.201	0.229	EB ADAM DAIRY ON RAMP			148			148	BEGIIN GORE TO END GORE
0.229	0.410	EB ADAM DAIRY ON RAMP			953				END GORE TO END RAMP TAPER
0.000	0.139	EB ROUTE AA/BB OFF RP			735				BEGIN RAMP TAPER TO GORE LINE
0.139	0.191	EB ROUTE AA/BB OFF RP			271			271	BEGIN GORE LINE TO END GORE LINE
0.121	0.127	EB ROUTE AA/BB ON RP						28	BEGIN GORE LINE TO BEGIN EDGE LINE
0.127	0.151	EB ROUTE AA/BB ON RP			127			127	END GORE LINE
0.151	0.461	EB ROUTE AA/BB ON RP			1638				END EDGE LINE AND RAMP TAPER
0.000	0.279	EB ROUTE F/H OFF RAMP			1475				BEGIN RAMP TAPER TO GORE LINE
0.279	0.324	EB ROUTE F/H OFF RAMP			238			238	GORE LINE TO END GORE LINE
0.324	0.339	EB ROUTE F/H OFF RAMP		75	75				END GORE LINE TO INTERMITTENT LANE
0.339	0.384	EB ROUTE F/H OFF RAMP		237	237	60			BEGIN INTERMITTENT TO END INTERMITTENT
0.384	0.464	EB ROUTE F/H OFF RAMP		425	1275				BEGIN 2-LANE LINES TO STOP BARS
0.026	0.051	EB ROUTE F/H ON RAMP		132	132	30			BEGIN INTERMITTENT, LT AND RT EDGE LINE
0.051	0.159	EB ROUTE F/H ON RAMP		571	571				LT AND RT EDGE LINE TO BEGIN GORE
0.159	0.225	EB ROUTE F/H ON RAMP			350			350	GORE LINE AND RT EDGE LINE
0.225	0.433	EB ROUTE F/H ON RAMP			1100				RT EDGE LINE TO END RAMP TAPER
0.000	0.045	WB ROUTE F/H OFF RAMP			235				BEGIN RAMP TAPER TO GORE LINE
0.045	0.073	WB ROUTE F/H OFF RAMP			153			153	BEGIN GORE LINE TO END GORE LINE
0.073	0.203	WB ROUTE F/H OFF RAMP		686	686				END GORE LINE TO MATCH EXIST. CONCRETE PAVEMENT
0.077	0.209	WB ROUTE F/H ON RAMP		697	697				MATCH CONCRETE TO GORE
0.209	0.249	WB ROUTE F/H ON RAMP			208			208	BEGIN GORE TO END GORE
0.249	0.268	WB ROUTE F/H ON RAMP			101				END GORE TO END RAMP TAPER
0.000	0.164	WB ROUTE AA/BB OFF RP			865				BEGIN RAMP TAPER TO GORE LINE
0.164	0.206	WB ROUTE AA/BB OFF RP			225			225	BEGIN GORE LINE TO END GORE LINE
0.206	0.290	WB ROUTE AA/BB OFF RP		440	440				END GORE LINE MATCH EXIST CONCRETE
0.013	0.014	WB ROUTE AA/BB ON RP		6					BEGIN 6" YELLOW TO BEGIN 6" WHITE
0.014	0.019	WB ROUTE AA/BB ON RP		25	31				BEGIN 6" WHITE TO INTERMITTENT
0.019	0.059	WB ROUTE AA/BB ON RP		210	211	50			BEGIN INTERMITTENT TO END INTERMITTENT
0.059	0.160	WB ROUTE AA/BB ON RP		536	536				END INTERMITTENT TO BEGIN RAMP GORE
0.160	0.194	WB ROUTE AA/BB ON RP		179	179			179	BEGIN RAMP GORE TO END RAMP GORE
0.194	0.525	WB ROUTE AA/BB ON RP			1749				END AT END OF RAMP TAPER
0.000	0.122	WB ADAM DAIRY OFF RAMP			643				BEGIN RAMP TAPER TO GORE LINE
0.122	0.202	WB ADAM DAIRY OFF RAMP			422			422	BEGIN GORE TO END GORE
0.202	0.310	WB ADAM DAIRY OFF RAMP		572	572				END GORE LINE TO BEGIN INTERMITTENT (BEGIN EXIST. CONCRETE)
0.310	0.316	WB ADAM DAIRY OFF RAMP		33	33	10			BEGIN INTERMITTENT TO END INTERMITTENT
0.316	0.359	WB ADAM DAIRY OFF RAMP		226	452				BEGIN LANE LINE TO BEGIN ISLAND
0.359	0.364	WB ADAM DAIRY OFF RAMP		24	72				YELLOW EDGELINE AND MARKING AROUND ISLAND
0.026	0.034	WB ADAMS DAIRY ON RAMP			45	10			BEGIN INTERMITTENT TO LEFT EDGE LINE
0.034	0.086	WB ADAMS DAIRY ON RAMP		275	275	70			END CONCRETE PAVMENT
0.086	0.089	WB ADAMS DAIRY ON RAMP		17	17				END CONCRETE TO END INTERMITTENT
0.089	0.190	WB ADAMS DAIRY ON RAMP		533	533				END INTERMITTENT TO BEGIN RAMP GORE
0.190	0.239	WB ADAMS DAIRY ON RAMP		255				255	BEGIN RP GORE TO END RP GORE
0.239	0.395	WB ADAMS DAIRY ON RAMP		823					END RAMP GORE TO END RAMP TAPER
0.000	0.123	WB RTE 7 OFF RAMP			650				BEGIN RP. TAPER TO GORE LINE
0.123	0.188	WB RTE 7 OFF RAMP			345			345	BEGIN GORE TO END GORE
0.188	0.305	WB RTE 7 OFF RAMP		616	616				END GORE TO ISLAND
0.305	0.319	WB RTE 7 OFF RAMP		74	148				YELLOW EDGELINE AND MARKING AROUND ISLAND
		SUBTOTALS 2	0	10076	25338	230	0	3572	
		SUBTOTALS 1	300	94838	75579	24118	2294	3541	
		PAY TOTALS	300	104914	127559			7113	

SUMMARY OF QUANTITIES
SHEET 9 OF 15

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/16/2020
ROUTE I-70 | STATE MO
DISTRICT KC | SHEET NO. 3
COUNTY JACKSON
JOB NO. J4I3222
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

PERMANENT CONCRETE TRAFFIC BARRIER

LOG MI	LOG MI	LOCATION	TYPE A	TYPE C	REMARKS
EASTBOUND I-70 LOG MILES					
20.610	20.616	I-70 MEDIAN		32	MATCH EXISTING TYPE C TRAFFIC BARRIER TO END EXISTING MEDIIAN CONCRETE PAVING
21.605	21.609	I-70 MEDIAN AT ADAM DARY PARKWAY BR. A5075	17		BEGN TYPE A BARRIER TO BEGIN BARRIER TRANSITION TO MATCH WEST BRIDGE END
21.609	21.610	I-70 MEDIAN AT ADAM DARY PARKWAY BR. A5075	8		BEGIN BARRIER TRANSITION TO MATCH WEST BRIDGE END CONCRETE BARRIER
21.646	21.648	I-70 MEDIAN AT ADAM DARY PARKWAY BR. A5075	8		MATCH EAST BRIDGE END CONCRETE BARRIER AND TRANSITION TO MATCH TYPE A TRAFFIC BARRIER
21.648	21.651	I-70 MEDIAN AT ADAM DARY PARKWAY BR. A5075	17		END BARRIER TRANSITION TO END BARRIER.
		PAY TOTAL	50	32	

PREFORMED THERMOPLASTIC PAVEMENT MARKINGS

LOG MI	LOG MI	LOCATION	LT / RT ARROW (EACH)	24" WHITE (L.F.)	24" YELLOW (L.F.)	REMARKS
EB I-70						
20.423	20.615	EB I-70 LEFT SHOULDER			441	21 BACK SLASHES AT 45 DEGREE ANGLE AT 50' SPACES AND 21.2 FEET IN LENGTH
WB I-70						
229.420	229.459	WB I-70 AT RTE 7 OFF RP GORE		93		5 CHEVRONS AT 47.5' SPACES VARING IN LENGTH FROM 6 FEET TO 31 FEET
229.466	229.544	WB-70 RIGHT SHOULDER		185		9 BACK SLASHES AT 45 DEGREE ANGLE AT 50' SPACES VARYING IN LENGTH FROM 15.6 FEET TO 25.5 FEET
EB I-70 RAMPS						
0.282		EB ADAM DAIRY OFF RAMP	3			TWO RT AND ONE LEFT TURN ARROW
0.313		EB ADAM DAIRY OFF RAMP	3			TWO RT AND ONE LEFT TURN ARROW
0.334		EB ADAM DAIRY OFF RAMP		36		STOP BARS ACROSS TWO RIGHT TURN LANES
0.334		EB ADAM DAIRY OFF RAMP		12		STOP BAR ACROSS LEFT TURN LANE
0.387		EB ROUTE F/H OFF RAMP	3			TWO RT AND ONE LEFT TURN ARROW
0.424		EB ROUTE F/H OFF RAMP	3			TWO RT AND ONE LEFT TURN ARROW
0.448		EB ROUTE F/H OFF RAMP	3			TWO RT AND ONE LEFT TURN ARROW
0.464		EB ROUTE F/H OFF RAMP		51		STOP BARS ACROSS TWO RIGHT TURN LANES (IN CONCRETE)
0.465		EB ROUTE F/H OFF RAMP		26		STOP BARS ACROSS LEFT TURN LANE (IN CONCRETE)
WB I-70 RAMPS						
0.275		WB ROUTE AA/BB OFF RP	2			ONE RIGHT AND ONE LEFT TURN ARROW (ONE IN CONCRETE)
0.289		WB ROUTE AA/BB OFF RP	2			ONE RIGHT AND ONE LEFT TURN ARROW (ONE IN CONCRETE)
0.302		WB ROUTE AA/BB OFF RP	2			ONE RIGHT AND ONE LEFT TURN ARROW (IN CONCRETE)
0.316		WB ROUTE AA/BB OFF RP		28		STOP BARS ACROSS TWO LANES (IN CONCRETE)
0.331		WB ADAM DAIRY OFF RAMP	2			ONE RIGHT AND ONE LEFT TURN ARROW (IN CONCRETE)
0.355		WB ADAM DAIRY OFF RAMP	2			ONE RIGHT AND ONE LEFT TURN ARROW (IN CONCRETE)
0.371		WB ADAM DAIRY OFF RAMP		12		STOP BAR ACROSS ONE LANE (IN CONCRETE)
0.316		RAMP I70W TO ROUTE 7		12		STOP BAR ACROSS ONE LANE
		PAY TOTALS	25	455	441	

SUMMARY OF QUANTITIES
SHEET 10 OF 15

STATE OF MISSOURI
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PROFESSIONAL ENGINEER

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DATE PREPARED 7/16/2020

ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
KC	3

COUNTY JACKSON

JOB NO. J4I3222

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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GUARDRAIL

LOG MI.	LOG MI.	LOCATION	REMOVAL L.F.	NEW TOTAL LENGTH L.F.	MGS GUARD RAIL 6 FT. POST L.F.	MGS GUARD RAIL 8 FT. POST L.F.	MGS GUARD RAIL LONG SPAN EACH	TYPE A WITH RUBRAIL L.F.	TYPE E L.F.	MGS BRIDGE APPROACH TRANS. SECTION (REGULAR NO CURB) EACH	MGS BRIDGE APPROACH TRANS. SECTION (THRIE BEAM) EACH	CRASHWORTHY END TERMINALS TYPE A (MASH) STRAIGHT EACH	CRASHWORTHY END TERMINALS TYPE A (MASH) FLARED EACH	CRASHWORTHY END TERMINALS TYPE C EACH	EMBEDDED ANCHOR EACH	MGS TERMINAL ANCHOR END EACH	TRANS. SECTION EACH	SHAPING SLOPES CLASS 3 STA.	REMARKS
20.405																			
20.409	20.518	I-70 EB RT. (EAST BR. END)	575	577	525					1						1			ROUTE 7 (BR. L0983)
20.616		I-70 EB MEDIAN												1				1	PROTECT END OF TYPE C TRAFFIC BARRIER
20.715	21.191	EB I70 RT (ROCK)		2514	2450							1				1		26	
21.268		TIE POINT I-70 EB AT RAMP TAPER OFF RAMP TO ADAMS DIARY																	
21.481	21.604	I-70 EB RT.(WEST BRIDGE END)	656	650	562.5					1		1							ADAMS DAIRY (BR. A0575)
21.605		I-70 EB MEDIAN(WEST BR. END A0575)												1				1	PROTECT END OF TYPE A TRAFFIC BARRIER
21.651		I-70 EB MEDIAN(EAST BR. END A0575)												1				1	PROTECT END OF TYPE A TRAFFIC BARRIER
22.012		TIE POINT I-70 EB AT END RAMP TAPER ON RAMP FROM ADAMS DAIRY																	
22.128	22.737	I-70 EB RT. (ROCK AND SLOPES)	831	3214	3150							1				1		24	
22.961	23.288	I-70 EB RT. (ROCK)	0	1725	1675							1						18	
23.288	23.473	I-70 EB RT. (SLOPES)	881	977		962.5										1			
24.052		TIE MAP DISTANCE I-70 EB OFF RAMP BEGIN TAPER TO N. MAIN STREET																	
24.306	24.399	I-70 EB LT. (WEST BRIDGE END)	494	488	400					1		1							ROUTE AA/BB, GRAIN VALLEY (BR. L0984)
24.348	24.400	I-70 EB RT. (WEST BRIDGE END)	269	275	187.5					1		1							ROUTE AA/BB, GRAIN VALLEY (BR. L0984)
24.426	24.467	I-70 EB LT. (EAST BRIDGE END)	213	214	162.5					1						1			ROUTE AA/BB, GRAIN VALLEY (BR. L0984)
24.875		TIE POINT I-70 EB AT END RAMP TAPER ON RAMP FROM N MAIN STREET																	
25.115	25.181	I-70 EB LT. (WEST BRIDGE END)	344	350	262.5					1		1							SNI-A-BAR CREEK BRIDGE (BR. L0146)
25.129	25.181	I-70 EB RT. (WEST BRIDGE END)	269	275	187.5					1		1							SNI-A-BAR CREEK BRIDGE (BR. L0146)
25.283		TIE POINT I-70 EB AT EAST END SNI-A-BAR BRIDGE																	
25.285	25.316	I-70 EB LT. (EAST BRIDGE END)	163	164	112.5					1						1			SNI-A-BAR CREEK BRIDGE (BR. L0146)
25.285	25.444	I-70 EB RT. (EAST BRIDGE END)	0	839		787.5				1						1		1	SNI-A-BAR CREEK BRIDGE (BR. L0146)
25.526	25.600	I-70 EB RT. (CULVERT)	294	389	325							1				1		1	
25.941	25.990	I-70 EB RT. (S. LEFHOLZ RD)	269	263	175					1		1							CONNECT TO EXIST. TYPE B BARRIER
26.317	26.450	I-70 EB RT. (CULVERT)	702	702	612.5		1					1				1			GUARDRAIL - CULVERT
27.499	27.570	I-70 EB RT. (CULVERT)	377	377	312.5							1				1			GUARDRAIL - CULVERT
27.703		TIE POINT I-70 EB OFF RAMP BEGIN TAPER TO S. BROADWAY AT OAK GROVE																	
27.773	27.806	I-70 EB RT. (SIGN)	177	177	112.5							1				1			SIGN TRUSS
28.603		TIE POINT I-70 EB AT END RAMP TAPER ON RAMP S. BROADWAY AT OAK GROVE																	
28.610	28.729	I-70 EB RT.	314	627		562.5						1				1			CULVERT
28.808	28.920	I-70 EB RT.	277	589		525						1				1			CULVERT
29.078	29.156	EB I70 RT	277	414		350						1				1			CULVERT
29.220	29.333	I-70 EB LT. (WEST BRIDGE END)	594	600	512.5					1		1							HORSESHOE CREEK (BR. L0406)
29.273	29.338	I-70 EB RT.	269	338	250					1		1						1	WEST BRIDGE END
WESTBOUND I-70																			
220.635		TIE POINT CENTERLINE BR. A0163 (EAST END)																	
220.663		TIE POINT CENTERLINE BR. A0163 (WEST END)																	
220.664	220.851	I-70 WB RT		989		937.5				1						1		1	EMBANKMENT
221.028	221.334	I-70 WBL RT. (CULVERT)	700	1614		1550						1				1			
221.454	221.555	I-70 WBL RT. (CULVERT)		534		484.33						1						1	
0.000	0.053	RTE AA/BB OFF RAMP		280		265.67										1			
221.556		TIE POINT I-70 WB OFF RAMP BEGIN TAPER TO S. BROADWAY AT OAK GROVE																	
222.207		TIE POINT I-70 WB ON RAMP END TAPER FROM S. BROADWAY AT OAK GROVE																	
222.358	222.547	WB I-70 RT		1002		937.5						1				1		1	
222.784	222.898	I-70 WBL RT. (CULVERT)		602		537.5						1				1		1	
223.024	223.200	I-70 WBL RT. (CULVERT)		927		862.5						1				1		1	
223.475	223.625	I-70 WBL RT. (CULVERT)	456	789		700	1					1				1		3	
223.940	223.990	I-70 WBL RT. (S. LEFHOLZ RD)	263	263	175					1		1							TIE TO EXIST TYPE B BARRIER
224.363	224.423	I-70 WBL RT. (CULVERT)	306	314	250							1				1			
224.563	224.705	I-70 WBL RT. (EAST BRIDGE END)	269	750		662.5				1		1						1	
224.641	224.707	I-70 WBL LT. (EAST BRIDGE END)	350	350	262.5						1	1							EAST END SNI-A-BAR CREEK (BR. A0167)
224.807		TIE POINT I-70 WB ON WEST END SNI-A-BAR BRIDGE																	
224.807	224.857	I-70 WBL LT. (BRIDGE)	269	264	212.5						1					1			WEST END SNI-A-BAR CREEK (BR. A0167)
		SUBTOTAL 1	10858		12875	10125	2	0	0	15	2	28	0	3	0	23	0	83	

SUMMARY OF QUANTITIES
SHEET 11 OF 15

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/16/2020
ROUTE I-70 | STATE MO
DISTRICT KC | SHEET NO. 3
COUNTY JACKSON
JOB NO. J4I3222
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)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

GUARDRAIL (CONTINUED)

LOG MI.	LOG MI.	LOCATION	REMOVAL L.F.	NEW TOTAL LENGTH L.F.	MGS GUARD RAIL 6 FT. POST L.F.	MGS GUARD RAIL 8 FT. POST L.F.	MGS GUARD RAIL LONG SPAN EACH	TYPE A WITH RUBRAIL L.F.	TYPE E L.F.	MGS BRIDGE APPROACH TRANS. SECTION (REGULAR NO CURB) EACH	MGS BRIDGE APPROACH TRANS. SECTION (THRIE BEAM) EACH	CRASHWORTHY END TERMINALS TYPE A (MASH) STRAIGHT EACH	CRASHWORTHY END TERMINALS TYPE A (MASH) FLARED EACH	CRASHWORTHY END TERMINALS TYPE C EACH	EMBEDDED ANCHOR EACH	MGS TERMINAL ANCHOR END EACH	TRANS. SECTION EACH	SHAPING SLOPES CLASS 3 STA.	REMARKS
225.249		TIE POINT I-70 WB BEGIN OFF RAMP GRAIN VALLEY																	
225.498	225.565	I-70 WBL LT. (EAST END BRIDGE)	344	350	262.5					1		1							ROUTE AA/BB, GRAIN VALLEY (BR. L0984)
225.513	225.565	I-70 WBL RT. (EAST END BRIDGE)	269	275	187.5					1		1							ROUTE AA/BB, GRAIN VALLEY (BR. L0984)
225.592	225.637	I-70 WBL RT. (WEST END BRIDGE)	238	239	187.5					1						1			ROUTE AA/BB, GRAIN VALLEY (BR. L0984)
226.103		TIE POINT I-70 WB END ON RAMP TAPER (GRAIN VALLEY)																	
226.464	226.806	I-70 WBL RT.		1802	1737.5							1				1		18	CONCRETE DITCH BEGINS AT LOG MILE 226.619
226.858	227.079	I-70 WBL RT. (CULVERT)		1164	1100							1				1		12	
227.190	227.368	I-70 WBL RT. (CULVERT AND ROCK RT)		938		887.5						1						1	NEW GUARD RAIL LOCATONI (NEEDS VERIFIED)
227.368	227.584	I-70 WBL RT. (CULVERT AND ROCK RT)		1139	1125											1		11	
227.969		TIE POINT I-70 WB BEGIN DECCEL LANE TAPER (ADAMS DAIRY)																	
227.991	228.022	I-70 WBL RT. (SIGN TRUSS)	156	164	37.5				50			1				1	2		
228.285	228.337	I-70 WBL RT. (EAST END BRIDGE)	269	275	187.5					1		1							ADAMS DAIRY PARKWAY (BR. A5075)
228.730		TIE POINT I-70 WB BEGIN DECCEL LANE TAPER (ROUTE 7)																	
228.859	229.044	I-70 WBL RT. (FILL SLOPE)		975		850		112.5							1				USE 7' POST TO END OF PAVED DITCH
229.044	229.271	I-70 WBL RT.(ROCK SLOPE)	269	1200	1200													9	
229.271	229.326	I-70 WBL RT. (SIGN TRUSS)	319	289		212.5			50							1	2		DECEL LANE ROUTE 7
229.520	229.581	I-70 WBL RT. (EAST END BRIDGE)	319	325	237.5					1		1							ROUTE 7 (BR. L0983)
EASTBOUND I-70 RAMPS																			
0.000		TIE POINT I-70 EB BEGIN OFF RAMP TAPER ADAMS DAIRY																	
0.020	0.056	ADAM DAIRY OFF RAMP RT	181	189	75				37.5			1				1	2		SIGN TRUSS
0.252	0.300	ADAM DAIRY OFF RAMP RT	252	252	187.5							1				1			ADAMS DAIRY
0.265	0.291	ADAM DAIRY OFF RAMP LT	177	139	125								1			1			ADAMS DAIRY
WESTBOUND I-70 RAMPS																			
0.000		TIE POINT CL ADAM DAIRY AND RP BASELINE																	
0.024	0.059	ADAMS DAIRY ON RAMP LT.	181	189	137.5								1			1			BEGIN LOG MILE CL ADAMS DAIRY
0.026	0.061	ADAMS DAIRY ON RAMP RT.	181	189	137.5								1			1			BEGIN LOG MILE CL ADAMS DAIRY
0.161	0.410	ADAMS DAIRY ON RAMP RT.	1319	1314	1250							1				1			ADAMS DAIRY, INCL, I-70 RT.
		SUBTOTAL 2	4474		8175	1950		113	138	5	0	11	3	0	1	12	6	51	
		SUBTOTAL 1	10858		12875	10125	2	0	0	15	2	28	0	3	0	23	0	83	
		TOTAL	15332		21050	12075	2	113	138	20	2	39	3	3	1	35	6	134	
			PAY TOTAL		21050	12075	2	113	138	20	2	42		3	1	35	6	134	

SUMMARY OF QUANTITIES
SHEET 12 OF 15

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/16/2020

ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
KC	3

COUNTY JACKSON
JOB NO. J4I3222
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)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

PAVEMENT REPAIR

CONTINOUS LOG MILE	LEFT SHLDR.	LEFT LANE	RIGHT LANE	RIGHT SHLDR.	LENGTH FT.	WIDTH FT.	PARTIAL DEPTH	FULL DEPTH	CLASS B PARTIAL DEPTH REMOVAL S.Y.	CLASS B PARTIAL DEPTH FURNISH AND PLACE TON	FULL DEPTH FURNISH AND PLACE S.Y.	SUBGRADE COMPACTION 6 IN. DEPTH S.Y.	TYPE 1 OR 5 AGGR. S.Y.	FULL DEPTH SAW CUTS TRANS. L.F.	FULL DEPTH SAW CUTS LONG. L.F.	DOWEL DRILL EACH	BARS BASKET EACH	TIE BARS EACH	REMARKS
RTE I-70 EB STARTING EAST SIDE OF BRIDGE OVER 7 HIGHWAY																			
20.434			X		65	12		X			86.7	9	9	144	130	22	4	26	
20.830			X		3	12	X		4.0	0.7									
20.843			X		6	12	X		8.0	1.3									
20.985		X	X		3	24	X		8.0	1.3									
21.015			X		3	12	X		4.0	0.7									
21.017		X			3	12	X		4.0	0.7									
21.677		X	X		10	24		X			26.7	3	3	72	20	44			
24.364		X	X		3	24	X		8.0	1.3									
24.370		X	X		3	24	X		8.0	1.3									
24.388		X	X		3	24	X		8.0	1.3									
24.439		X			15	12		X			20.0	2	2	48	30	22			(Route B) East End Bridge Approach and Approach Pavement
24.443		X	X		15	24		X			40.0	4	4	96	30	44			
25.038			X	X	820	22	X	X	100.2	16.7	100.2	10	10	176	82	42	3	16	Estimated at 10% of total Length. To be determined by Enginineer.
25.293		X	X		80	24		X			213.3	21	21	360	160	44	5	32	Bridge Approach/Approach Pavement East End of Sni-A-Bar Creek
25.308			X		220	12	X	X	14.7	2.4	14.7	1	1	36	22	22	1	4	Estimated at 10% of total Length. To be determined by Enginineer.
25.963			X	X	400	22		X			977.8	98	98	1496	800	42	27	160	
27.713			X	X	10	22	X		24.4	4.1									
27.959			X		10	12	X		13.3	2.2									
		X	X		35	24		X			93.3	9	9	168	70	44	2	14	Bridge App./Appr. Pavement at West End of Horseshoe Creek.
RTE I-70 WB STARTING @ HORSESHOE CREEK																			
220.673		X	X		35	24		X			93.3	9	9	168	70	44	2	14	Bridge Appr./Appr. Pavement Horseshoe Creek Bridge West End
220.689		X	X		6	24	X		16.0	2.7									
220.699		X	X		6	24	X		16.0	2.7									
221.389		X	X		20	24		X			53.3	5	5	120	40	44			
221.517		X	X		3	24	X		8.0	1.3									
221.576		X			3	12	X		4.0	0.7									
221.611		X			3	12	X		4.0	0.7									
221.682		X	X		3	24	X		8.0	1.3									
221.751		X	X		3	24	X		8.0	1.3									
		X	X		3	24	X		8.0	1.3									Start Under Rte. F Bridge
		X	X		6	24		X			16.0	2	2	48	12	44			
		X	X		6	24		X			16.0	2	2	48	12	44			
		X	X		6	24		X			16.0	2	2	48	12	44			
		X	X		6	24		X			16.0	2	2	48	12	44			
		X	X		6	24		X			16.0	2	2	48	12	44			
		X	X		6	24		X			16.0	2	2	48	12	44			
		X	X		6	24		X			16.0	2	2	48	12	44			
		X	X		6	24		X			16.0	2	2	48	12	44			End Under Rte. F Bridge
221.843		X	X		6	24		X			16.0	2	2	48	12	44			
221.844		X	X		75	24		X			200.0	20	20	336	150	44	5	30	
221.869		X	X		6	24		X			16.0	2	2	48	12	44			
221.964		X	X		6	24		X			16.0	2	2	48	12	44			
222.053		X	X		6	24		X			16.0	2	2	48	12	44			
222.083		X	X		3	24		X			8.0	1	1	48	6	44			
222.111		X			3	12	X		4.0	0.7									
222.113		X			3	12	X		4.0	0.7									
222.218		X			3	12	X		4.0	0.7									
222.343		X	X		3	24	X		8.0	1.3									
222.366		X			6	12	X		8.0	1.3									
222.518		X			3	12	X		4.0	0.7									
222.530		X			3	12	X		4.0	0.7									
222.553		X	X		6	24		X			16.0	2	2	48	12	44			
222.659		X	X		3	24	X		8.0	1.3									
222.678		X			3	12	X		4.0	0.7									
222.808		X	X		6	24	X		16.0	2.7									
223.007		X	X		3	24	X		8.0	1.3									
223.043		X			3	12	X		4.0	0.7									
223.056		X			3	12	X		4.0	0.7									
223.065			X		3	12	X		4.0	0.7									
223.069		X	X		3	24	X		8.0	1.3									
223.146		X	X		3	24	X		8.0	1.3									
223.155		X	X		15	24		X			40.0	4	4	96	30	44			
							SUBTOTAL 1		376.7	62.8	2175.3	218	218	3988	1796	1118	49	296	

SUMMARY OF QUANTITIES
SHEET 13 OF 15

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/16/2020
ROUTE I-70 | STATE MO
DISTRICT KC | SHEET NO. 3
COUNTY JACKSON
JOB NO. J4I3222
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)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

PAVEMENT REPAIR (CONTINUED)

CONTINOUS LOG MILE	LEFT SHLDR.	LEFT LANE	RIGHT LANE	RIGHT SHLDR.	LENGTH FT.	WIDTH FT.	PARTIAL DEPTH	FULL DEPTH	CLASS B PARTIAL DEPTH REMOVAL S.Y.	CLASS B PARTIAL DEPTH FURNISH AND PLACE TON	FULL DEPTH FURNISH AND PLACE S.Y.	SUBGRADE COMPACTION 6 IN. DEPTH S.Y.	TYPE 1 OR 5 AGGR. S.Y.	FULL DEPTH SAW CUTS TRANS. L.F.	FULL DEPTH SAW CUTS LONG. L.F.	DOWEL DRILL EACH	BARS BASKET EACH	TIE BARS EACH	REMARKS
223.166		X	X		3	24	X		8.0	1.3									
223.215		X			3	12	X		4.0	0.7									
223.317		X	X		3	24	X		8.0	1.3									
223.336		X	X		3	24	X		8.0	1.3									
223.830		X	X		3	24	X		8.0	1.3									
224.030		X	X		3	24	X		8.0	1.3									
224.086		X			3	12	X		4.0	0.7									
224.110		X	X		3	24	X		8.0	1.3									
224.145		X			3	12	X		4.0	0.7									
224.269		X	X		3	24	X		8.0	1.3									
224.272		X	X		3	24	X		8.0	1.3									
224.283		X	X		15	24		X			40.0	4	4	96	30	44			
224.294		X			3	12	X		4.0	0.7									
224.317		X	X		3	24	X		8.0	1.3									
224.328		X	X		6	24		X			16.0	2	2	48	12	44			
224.376		X	X		3	24	X		8.0	1.3									
224.506		X	X		3	24	X		8.0	1.3									
224.527		X	X		3	24	X		8.0	1.3									
224.538		X	X		3	24	X		8.0	1.3									
224.654		X	X		6	24	X		16.0	2.7									
		X	X		35	24		X			93.3	9	9	168	70	44	2	14	Bridge Approach/Approach Pavement Sni-A-Bar East End
224.823		X	X		100	24		X			266.7	27	27	432	200	44	7	40	Bridge Approach/Approach Pavement Sni-A-Bar West End
224.838		X	X		3	24	X		8.0	1.3									
224.862		X	X		6	24	X		16.0	2.7									
224.873		X	X		3	24	X		8.0	1.3									
224.884		X	X		3	24	X		8.0	1.3									
224.922		X			6	12	X		8.0	1.3									
225.000		X	X		3	24	X		8.0	1.3									
225.012		X	X		15	24		X			40.0	4	4	96	30	44			
225.024		X	X		3	24	X		8.0	1.3									
225.034		X	X		3	24	X		8.0	1.3									
225.046		X	X		3	24	X		8.0	1.3									
		X	X		160	24		X			426.7	43	43	672	320	44	11	64	Bridge Appr./Appr. Pavement Grain Valley Overpass (East Side)
		X	X		90	24		X			240.0	24	24	384	180	44	6	36	Bridge Appr./Appr. Pavement Grain Valley Overpass (West Side)
226.135		X			6	12	X		8.0	1.3									
226.181		X	X		6	24	X		16.0	2.7									
226.185		X			6	12	X		8.0	1.3									
226.245		X			6	12	X		8.0	1.3									
226.989		X	X		10	24	X		26.7	4.4									
228.317		X	X		6	24		X			16.0	2	2	48	12	44			
228.347		X	X		6	24		X			16.0	2	2	48	12	44			
		X	X		120	24		X			320.0	32	32	504	240	44	8	48	Bridge Appr./Appr. Trans. Adams Dairy Parkway West End of Bridge
228.427		X	X		3	24	X		8.0	1.3									
228.509		X	X		3	24	X		8.0	1.3									
		X	X		35	24		X			93.3	9	9	168	70	44	2	14	7 Highway Bridge Approach and Approach Transition
							SUBTOTAL 2		298.7	49.8	1568.0	157	157	2664	1176	484	36	216	
							SUBTOTAL 1		376.7	62.8	2175.3	218	218	3988	1796	1118	49	296	
							PAY TOTAL		675.4	112.6	3743.3	375	375	9624		1602	85	512	

SUMMARY OF QUANTITIES
SHEET 14 OF 15

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 8/26/2020

ROUTE	STATE
I-70	MO
DISTRICT KC	SHEET NO. 3

COUNTY JACKSON

JOB NO. J4I3222

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)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

EFFECTIVE: 04-01-2016

SIGN	SIZE (IN.)	AREA (SQ. FT.)	QTY	TOTAL AREA	QTY RELOC	TOTAL RELOC AREA	DESCRIPTION
WARNING SIGNS							
W01-1L	48X48	16.00					TURN (SYMBOL LEFT ARROW)
W01-1R	48X48	16.00					TURN (SYMBOL RIGHT ARROW)
W01-2L	48X48	16.00					CURVE (SYMBOL LEFT ARROW)
W01-2R	48X48	16.00					CURVE (SYMBOL RIGHT ARROW)
W01-3L	48X48	16.00					REVERSE TURN (SYMBOL LEFT ARROW)
W01-3R	48X48	16.00					REVERSE TURN (SYMBOL RIGHT ARROW)
W01-4L	48X48	16.00					REVERSE CURVE (SYMBOL LEFT ARROW)
W01-4R	48X48	16.00					REVERSE CURVE (SYMBOL RIGHT ARROW)
W01-4bL	48X48	16.00					DOUBLE ARROW REVERSE CURVE (SYMBOL LEFT ARROWS)
W01-bR	48X48	16.00					DOUBLE ARROW REVERSE CURVE (SYMBOL RIGHT ARROWS)
W01-4cL	48X48	16.00					TRIPLE ARROW REVERSE CURVE (SYMBOL LEFT ARROWS)
W01-4cR	48X48	16.00					TRIPLE ARROW REVERSE CURVE (SYMBOL RIGHT ARROWS)
W01-6	60X30	12.50					HORIZONTAL ARROW (SYMBOL)
W01-6a	72X36	18.00					HORIZONTAL ARROW (SYMBOL ON PERMANENT BARRICADE)
W01-7	60X30	12.50					DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)
W01-7a	72X36	18.00					DOUBLE HEAD HORIZONTAL ARROW (SYMBOL ON BARRICADE
W01-8	18X24	3.00					CHEVRON (SYMBOL)
W01-8a	30X36	7.50					CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)
W03-1	48X49	16.00					STOP AHEAD (SYMBOL)
W03-2	48X48	16.00	3	48			YIELD AHEAD (SYMBOL)
W03-3	48X48	16.00					SIGNAL AHEAD (SYMBOL)
W03-4	48X48	16.00	2	32			BE PREPARED TO STOP
W03-5	48X48	16.00					SPEED LIMIT AHEAD
W04-1AL	48X48	16.00	4	64			MERGE LEFT
W04-1AR	48X48	16.00	3	48			MERGE RIGHT
W04-1L	48X48	16.00					MERGE (SYMBOL FROM LEFT)
W04-1R	48X48	16.00	3	48			MERGE (SYMBOL FROM RIGHT)
W05-1	48X48	16.00	6	96			ROAD/BRIDGE/RAMP NARROWS
W05-3	48X48	16.00					ONE LANE BRIDGE
W05-5	48X48	16.00	6	96			NARROW LANES
W06-1	48X48	16.00					DIVIDED HIGHWAY (SYMBOL)
W06-2	48X48	16.00					DIVIDED HIGHWAY END (SYMBOL)
W06-3	48X48	16.00					TWO WAY TRAFFIC (SYMBOL)
W07-3a	30X24	5.00	8	40			NEXT XX MILES (PLAQUE)
W08-1	48X48	16.00					BUMP
W08-2	48X48	16.00					DIP
W08-3	48X48	16.00					PAVEMENT ENDS
W08-4	48X48	16.00					SOFT SHOULDER
W08-5	48X48	16.00					SLIPPERY WHEN WET (SYMBOL)
W08-6	48X48	16.00					TRUCK CROSSING WITH FLAGS
W08-6c	48X48	16.00					TRUCK ENTRANCE
W08-7	36X36	9.00					LOOSE GRAVEL
W08-9	48X48	16.00					LOW SHOULDER
W08-11	48X48	16.00					UNEVEN LANES
W08-12	48X48	16.00					NO CENTER LINE
W10-1	42 RND.	9.62					RAILROAD CROSSING
W012-1	24X24	4.00					DOUBLE DOWN ARROW (SYMBOL)
W012-2	48X48	16.00					LOW CLEARANCE (SYMBOL)
W012-2x	24X18	3.00					LOW CLEARANCE (PLAQUE)
W012-2a	84X24	14.00					OVERHEAD LOW CLEARANCE (FEET AND INCHES)
W08-15	48X48	16.00					GROOVED PAVEMENT
W08-15p	30X24	5.00					MOTORCYCLE (PLAQUE)
W08-17	48X48	16.00					SHOULDER DROP-OFF (SYMBOL)
W08-17p	30X24	5.00					SHOULDER DROP-OFF (PLAQUE)
SPECIAL	120X60	50.00					LOW CLEARANCE XX FT XX IN XX MILES AHEAD
SPECIAL	120X60	50.00					WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD
W013-1	30X30	6.25	2	12.5			ADVISORY SPEED (PLAQUE)
W016-2	30X24	5.00					XXX FEET (PLAQUE)
W016-3	30X24	5.00					X MILE (PLAQUE)
W020-1	48X48	16.00	13	208			ROAD/BRIDGE/RAMP WORK AHEAD
W020-2	48X48	16.00					DETOUR AHEAD
W020-3	48X48	16.00					ROAD CLOSED AHEAD
W020-3a	48X48	16.00					ROAD CLOSED 500 FT
W020-4	48X48	16.00	2	32			ONE LANE ROAD AHEAD
W020-5	48X48	16.00	8	128			RIGHT/CENTER/LEFT LANE CLOSED AHEAD

SIGN	SIZE (IN.)	AREA (SQ. FT.)	QTY	TOTAL AREA	QTY RELOC	TOTAL RELOC AREA	DESCRIPTION
W020-5a	48X48	16.00					2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD
W020-6a	48X48	16.00	4	64			RIGHT/CENTER/LEFT LANE CLOSED
W020-7a	48X48	16.00	4	64			FLAGGER (SYMBOL)
W021-2	36X36	9.00					FRESH OIL
W021-5b	48X48	16.00	6	96			SHOULDER WORK AHEAD
W022-1	48X48	16.00					BLASTING ZONE AHEAD
W022-2	42X36	10.50					TURN OFF 2-WAY RADIO AND PHONE
W022-3	42X36	10.50					END BLASTING ZONE
W022-2	21X15	2.19					WET PAINT (ARROW PIVOTS)
GUIDE SIGNS							
SPECIAL	36X36	9.00					FRESH OIL / LOOSE GRAVEL
E05-1	36X48	12.00	1	12			GORE EXIT
E05-2	48X36	12.00					EXIT OPEN
E05-2a	48X36	12.00					EXIT CLOSED
G020-1	60X24	10.00	6	60			ROAD WORK NEXT XX MILES
G020-2	48X24	8.00	6	48			END ROAD WORK
G020-4	36X18	4.50					PILOT CAR FOLLOW ME
G022-1	21X15	2.19	2	4.38			WET PAINT (ARROW PIVOTS)
SPECIAL	42X30	8.75					PLEASE WAIT FOR PILOT CAR
G020-5aP	36X24	6.00	8	48			WORK ZONE (PLAQUE)
M04-8a	24X18	3.00					END DETOUR
M04-9L	48X36	12.00					DETOUR (LEFT ARROW)
M04-9R	48X36	12.00					DETOUR (RIGHT ARROW)
M04-10L	48X18	6.00					DETOUR (ARROW LEFT)
M04-10R	48X18	6.00					DETOUR (ARROW RIGHT)
REGULATORY SIGNS							
R1-1	48X48	13.25	13	172.25			STOP
R1-2	48 TRI.	6.93	3	20.79			YIELD
R1-2a	36X36	9.00					TO ONCOMING TRAFFIC (PLAQUE)
R1-3	30X9	1.25					X-WAY (PLAQUE)
R2-1	36X48	12.00	16	192			SPEED LIMIT XX
R3-1	48X48	16.00					NO RIGHT TURN (SYMBOL)
R3-2	48X48	16.00					NO LEFT TURN (SYMBOL)
R3-3	36X36	9.00					NO TURNS
R3-4	48X48	16.00					NO U-TURN (SYMBOL)
R3-7L	30X30	6.25					LEFT LANE MUST TURN LEFT
R3-7R	30X30	6.25					RIGHT LANE MUST TURN RIGHT
R4-1	36X48	12.00					DO NOT PASS
R4-2	36X48	12.00					PASS WITH CARE
R4-7aL	36X48	12.00					KEEP LEFT (HORIZONTAL ARROW)
R4-7a	36X48	12.00					KEEP RIGHT (HORIZONTAL ARROW)
R5-1	30X30	6.25					DO NOT ENTER
R5-1a	36X24	6.00					WRONG WAY
R6-1L	48X18	6.00					ONE WAY ARROW (LEFT)
R6-1R	48X18	6.00					ONE WAY ARROW (RIGHT)
R6-2L	24X30	5.00					ONE WAY (LEFT)
R6-2R	24X30	5.00					ONE WAY (RIGHT)
R10-6	24X36	6.00					STOP HERE ON RED (45° ARROW)
R11-2	48X30	10.00					ROAD CLOSED
R11-3a	60X30	12.50					ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY
R11-4	60X30	12.50					ROAD CLOSED TO THRU TRAFFIC
S4-4	36X15	3.75					WHEN FLASHING
CONST-3A	60X48	20.00					FINE SIGN
	57X12	4.67					SPEEDING/PASSING (PLATE)
MISCELLANEOUS SIGNS							
SPECIAL	36X48	12.00					POINT OF PRESENCE
CONST-5-96	96X48	32.00	2	64			POINT OF PRESENCE
CONST-7-48	48X24	8.00					RATE OUR WORK ZONE
CONST-7-72	72X36	18.00	4	72			RATE OUR WORK ZONE
SPECIAL	48X36	12.00	2	24			WORK ZONE NO PHONE ZONE
616-10.05 CONSTRUCTION SIGNS TOTAL				1794			
616-10.10 RELOCATED SIGNS TOTAL							

ITEM NUMBER	TOTAL QTY	DESCRIPTION
6122008		IMPACT ATTENUATOR (8 SAND BARRELS)
6122009		IMPACT ATTENUATOR (9 SAND BARRELS)
6122010		IMPACT ATTENUATOR (10 SAND BARRELS)
6122012		IMPACT ATTENUATOR (12 SAND BARRELS)
6122014		IMPACT ATTENUATOR (14 SAND BARRELS)
6122017		IMPACT ATTENUATOR (17 SAND BARRELS)
6122019		IMPACT ATTENUATOR (19 SAND BARRELS)
6122020		REPLACEMENT SAND BARREL
6122030		IMPACT ATTENUATOR ARRAY (RELOCATION)
6123000A	2	TRUCK MOUNTED ATTENUATOR (TMA)
6161007		SPEED LIMIT & STROBE LIGHT ASSEMBLY
6161008		ADVANCED WARNING RAIL SYSTEM
6161009	19	FLAG ASSEMBLY
6121020		CHANNELIZER (DRUM-LIKE)
6161022		CHANNELIZER (CONES)
6161024	607	CHANNELIZER (TRIM-LINE) WITH LIGHT
6161025		CHANNELIZER (TRIM-LINE)
6161026		CHANNELIZER (VERTICAL PANEL)
6161027		CHANNELIZER (VERTICAL PANEL) WITH LIGHT
6161028		CHANNELIZER
6161030		TYPE III MOVEABLE BARRICADE
6161031		TYPE III MOVEABLE BARRICADE WITH LIGHT
6161033		DIRECTION INDICATOR BARRICADE
6161034	93	DIRECTION INDICATOR BARRICADE, WITH LIGHT
6161040	4	FLASHING ARROW PANEL
6161047		TYPE III OBJECT MARKER
6161051		WARNING LIGHT, TYPE A
6161052		WARNING LIGHT, TYPE B
6161053		WARNING LIGHT, TYPE C
6161055		SEQUENTIAL FLASHING WARNING LIGHT
6161070		TUBULAR MARKER
6161095		RADAR SPEED ADVISORY SYSTEM
6161096		CHANGEABLE MESSAGE SIGN, COMMISSION FURNISHED/RETAINED
6161098A	4	CHANGEABLE MESSAGE SIGN, W/O COMM. INTERFACE, CONTRACTOR FURNISHED/RETAINED
6161099		CHANGEABLE MESSAGE SIGN, W/COMM INTERFACE CONTRACTOR FURNISHED/RETAINED
6162010		WORK ZONE LIGHTING
6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
6173600D		CONTRACTOR FURNISHED/RETAINED TEMPORARY CONCRETE TRAFFIC BARRIER, TYPE F
6173602B		CONTRACTOR FURNISHED/COMMISSION RETAINED TEMPORARY CONCRETE TRAFFIC BARRIER, TYPE F
6174000A		TEMPORARY CONCRETE BARRIER HEIGHT TRANSITION
6175010A		RELOCATING TEMPORARY CONCRETE TRAFFIC BARRIER
6176000B		COMMISSION FURNISHED/RETAINED TEMPORARY CONCRETE TRAFFIC BARRIER, TYPE F
6177000B		COMMISSION FURNISHED/RETAINED PRECAST BARRIER HEIGHT TRANSITION
6208065		TEMPORARY RAISED PAVEMENT MARKER
9019400		TEMPORARY LIGHTING
9029400		TEMPORARY TRAFFIC SIGNALS
9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING
6169901		WORK ZONE INTELLIGENT TRANSPORTATION SYSTEM
6207001		PAVEMENT MARKING REMOVAL
6205301B		PREFORMED REMOVABLE MARKING TAPE / WHITE
6205303B		PREFORMED REMOVABLE MARKING TAPE / YELLOW
6162003		TEMPORARY LONG-TERM RUMBLE STRIPS
6162004		TEMPORARY SHORT-TERM RUMBLE STRIPS

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/16/2020
ROUTE I-70 | STATE MO
DISTRICT KC | SHEET NO. 3
COUNTY JACKSON
JOB NO. J4I3222
CONTRACT ID.
PROJECT NO.
BRIDGE NO.

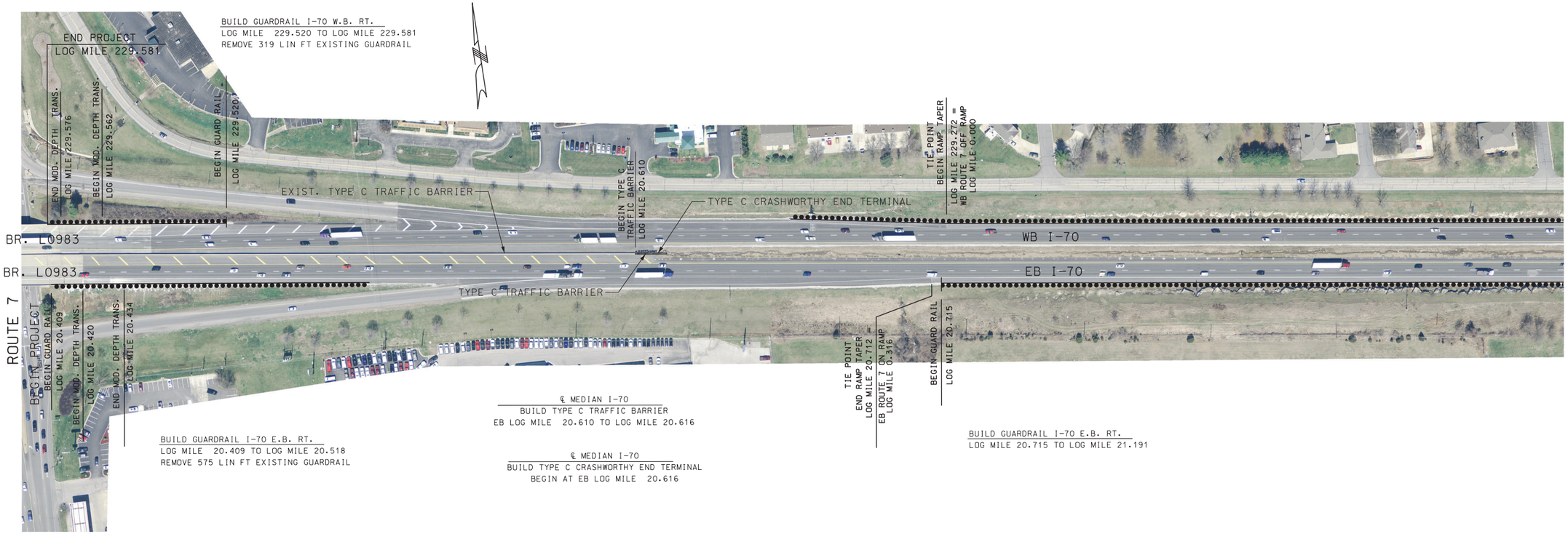
DESCRIPTION | DATE

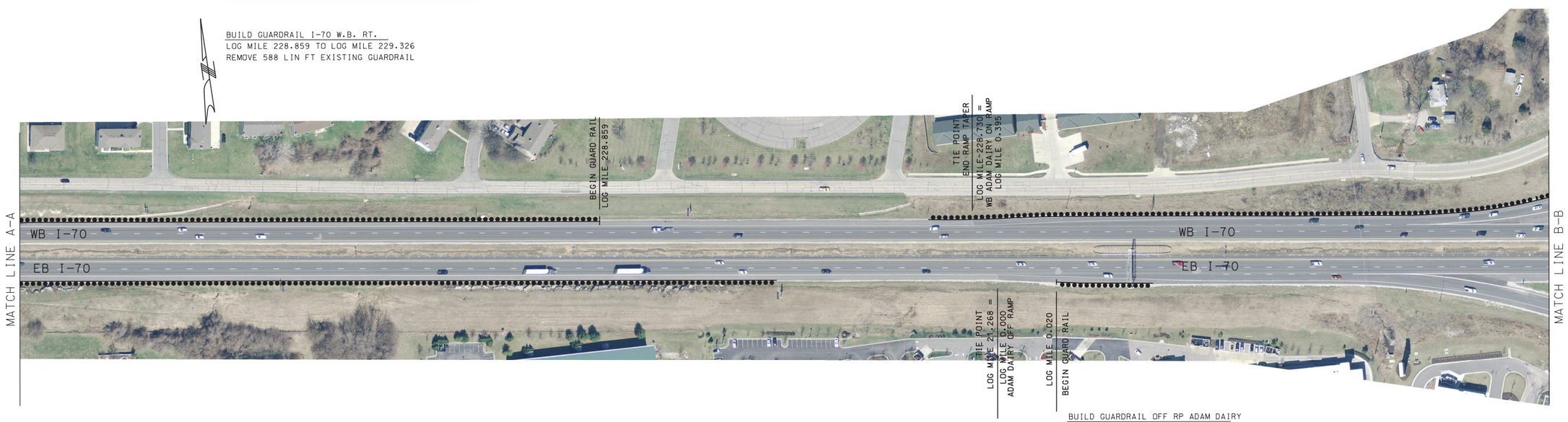
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.

SUMMARY OF QUANTITIES
SHEET 15 OF 15





SCALE

0 100 200 300 400 500

PLAN
SHEET 1 OF 9

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

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DATE PREPARED	
7/16/2020	
ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
KC	4
COUNTY	
JACKSON	
JOB NO.	
J4I3222	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

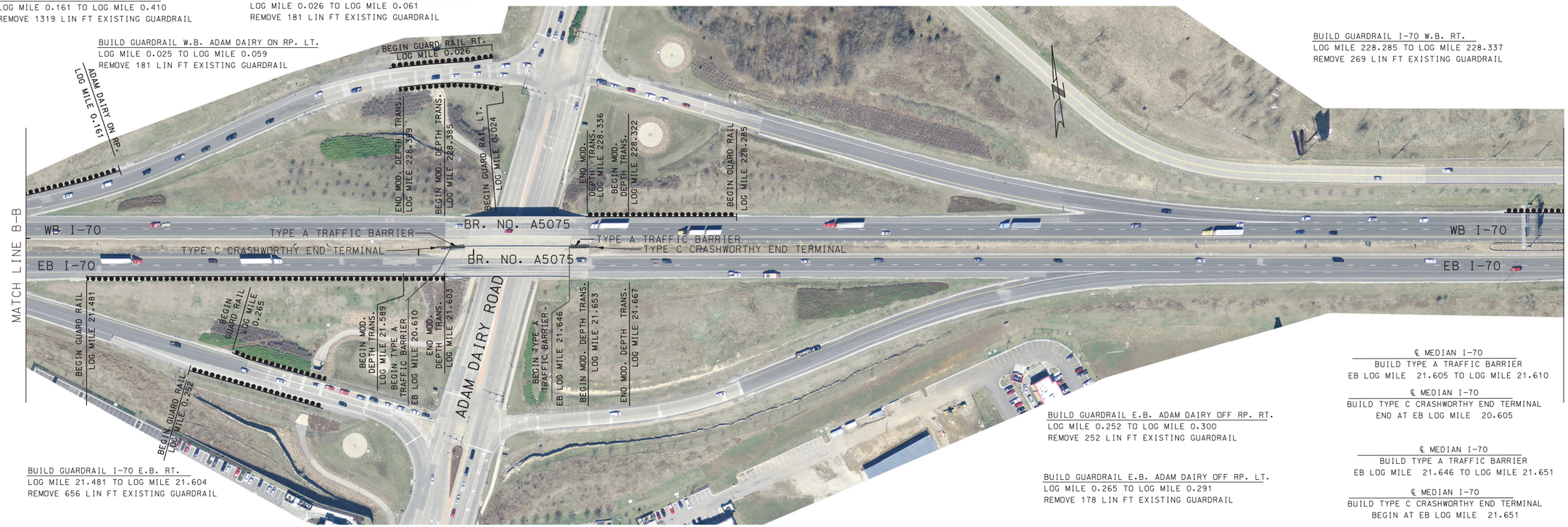
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

BUILD GUARDRAIL WB ON RAMP ADAM DAIRY RT.
LOG MILE 0.161 TO LOG MILE 0.410
REMOVE 1319 LIN FT EXISTING GUARDRAIL

BUILD GUARDRAIL E.B. ADAM DAIRY ON RP. RT.
LOG MILE 0.026 TO LOG MILE 0.061
REMOVE 181 LIN FT EXISTING GUARDRAIL

BUILD GUARDRAIL W.B. ADAM DAIRY ON RP. LT.
LOG MILE 0.025 TO LOG MILE 0.059
REMOVE 181 LIN FT EXISTING GUARDRAIL

BUILD GUARDRAIL I-70 W.B. RT.
LOG MILE 228.285 TO LOG MILE 228.337
REMOVE 269 LIN FT EXISTING GUARDRAIL



BUILD GUARDRAIL I-70 E.B. RT.
LOG MILE 21.481 TO LOG MILE 21.604
REMOVE 656 LIN FT EXISTING GUARDRAIL

BUILD GUARDRAIL E.B. ADAM DAIRY OFF RP. RT.
LOG MILE 0.252 TO LOG MILE 0.300
REMOVE 252 LIN FT EXISTING GUARDRAIL

BUILD GUARDRAIL E.B. ADAM DAIRY OFF RP. LT.
LOG MILE 0.265 TO LOG MILE 0.291
REMOVE 178 LIN FT EXISTING GUARDRAIL

℄ MEDIAN I-70
BUILD TYPE A TRAFFIC BARRIER
EB LOG MILE 21.605 TO LOG MILE 21.610

℄ MEDIAN I-70
BUILD TYPE C CRASHWORTHY END TERMINAL
END AT EB LOG MILE 20.605

℄ MEDIAN I-70
BUILD TYPE A TRAFFIC BARRIER
EB LOG MILE 21.646 TO LOG MILE 21.651

℄ MEDIAN I-70
BUILD TYPE C CRASHWORTHY END TERMINAL
BEGIN AT EB LOG MILE 21.651

BUILD GUARDRAIL I-70 W.B. RT.
LOG MILE 227.991 TO LOG MILE 228.022
REMOVE 156 LIN FT EXISTING GUARDRAIL

BUILD GUARDRAIL I-70 E.B. RT.
LOG MILE 22.128 TO LOG MILE 22.737
REMOVE 831 LIN FT EXISTING GUARDRAIL

SCALE
0 100 200 300 400 500

PLAN
SHEET 2 OF 9

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
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DATE PREPARED	
7/16/2020	
ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
KC	5
COUNTY	
JACKSON	
JOB NO.	
J4I3222	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

BUILD GUARDRAIL I-70 W.B. RT.
LOG MILE 227.190 TO LOG MILE 227.368

BUILD GUARDRAIL I-70 W.B. RT.
LOG MILE 22.961 TO LOG MILE 23.473
REMOVE 881 LIN FT EXISTING GUARDRAIL

BUILD GUARDRAIL I-70 E.B. RT.
LOG MILE 226.464 TO LOG MILE 226.806

SCALE
0 100 200 300 400 500

PLAN
SHEET 3 OF 9

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

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DATE PREPARED	7/16/2020
ROUTE	I-70
STATE	MO
DISTRICT	KC
SHEET NO.	6
COUNTY	JACKSON
JOB NO.	J4I3222
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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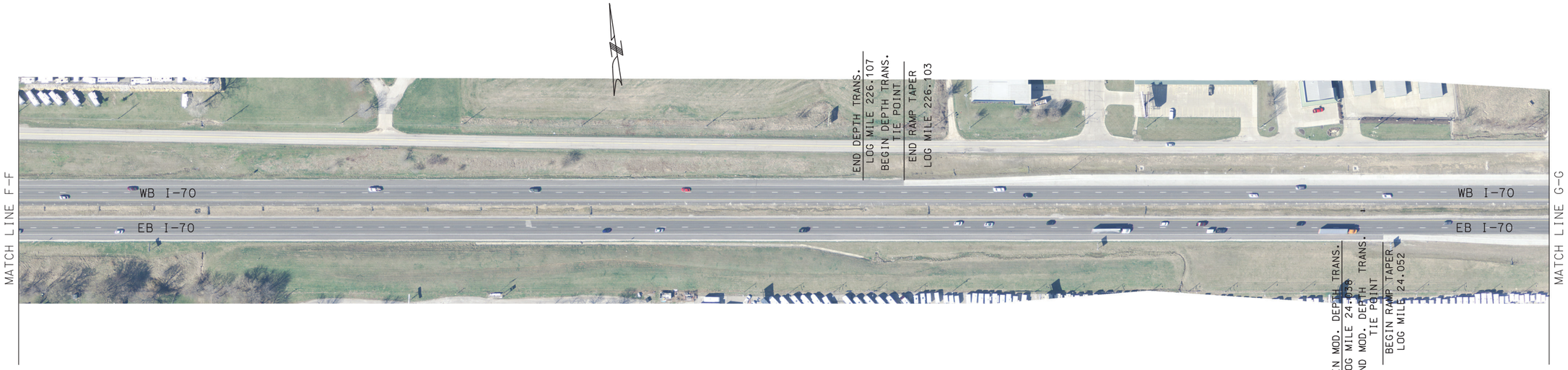
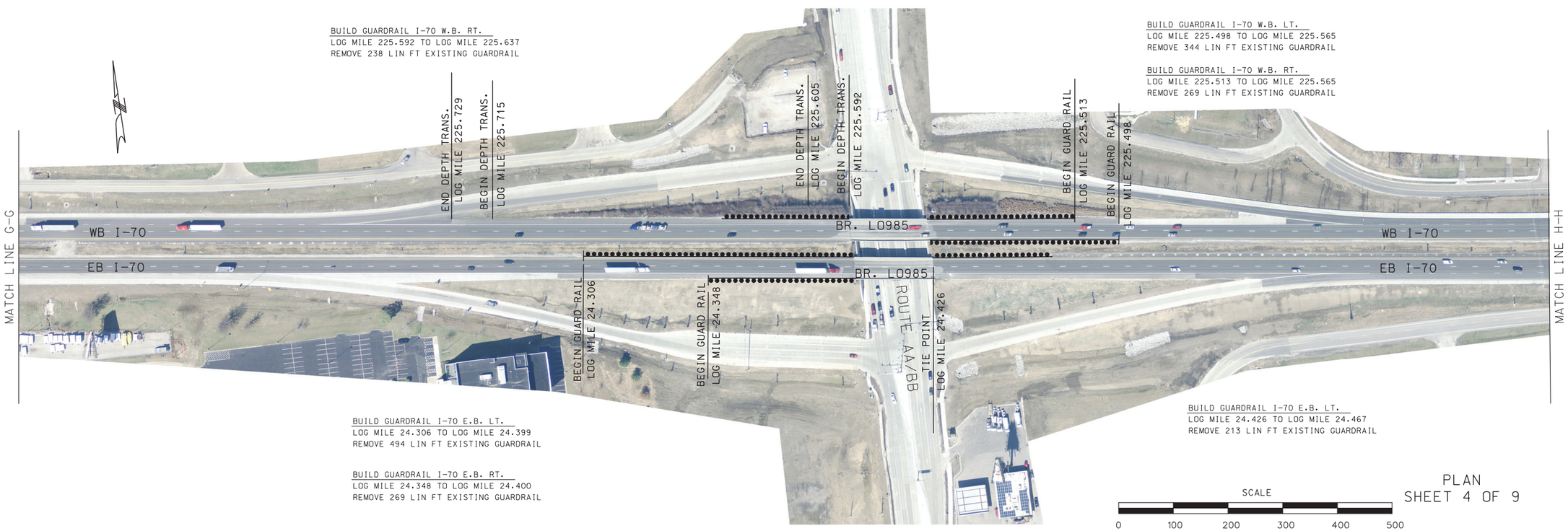
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)





SCALE

0 100 200 300 400 500

PLAN
SHEET 4 OF 9

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER
PE-2002003198
PROFESSIONAL ENGINEER

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DATE PREPARED	
7/16/2020	
ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
KC	7
COUNTY	
JACKSON	
JOB NO.	
J4I3222	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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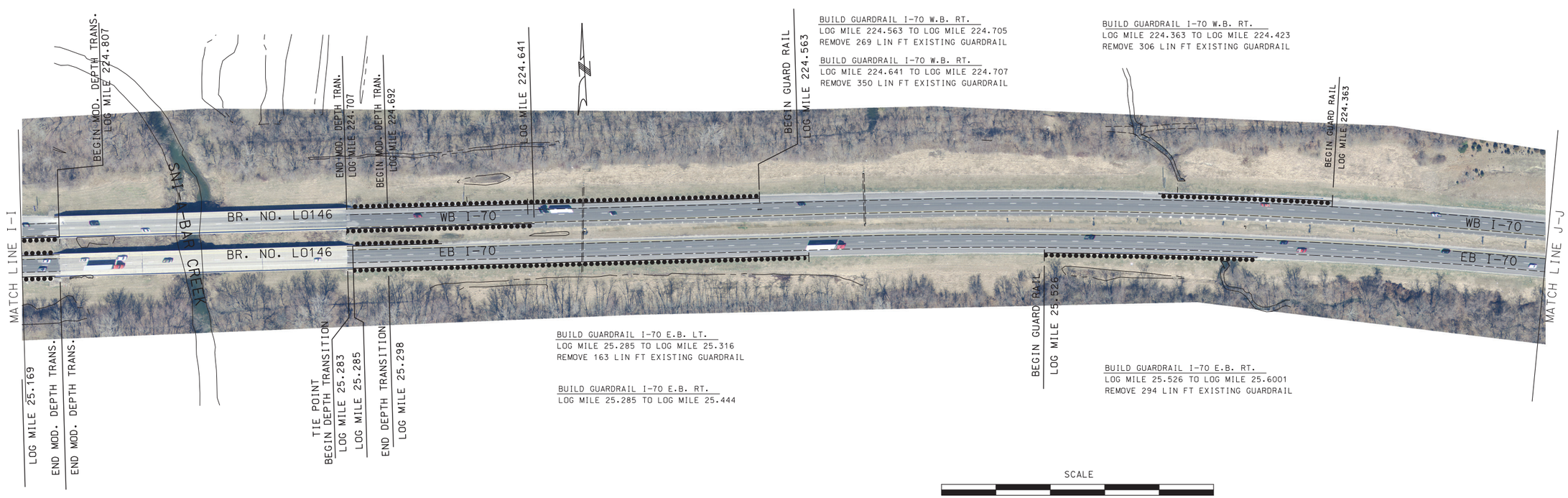
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

BUILD GUARDRAIL I-70 E.B. LT.
LOG MILE 224.807 TO LOG MILE 224.857
REMOVE 269 LIN FT EXISTING GUARDRAIL

BUILD GUARDRAIL I-70 E.B. LT.
LOG MILE 25.115 TO LOG MILE 25.181
REMOVE 344 LIN FT EXISTING GUARDRAIL

BUILD GUARDRAIL I-70 E.B. RT.
LOG MILE 25.129 TO LOG MILE 25.181
REMOVE 269 LIN FT EXISTING GUARDRAIL



BUILD GUARDRAIL I-70 W.B. RT.
LOG MILE 224.563 TO LOG MILE 224.705
REMOVE 269 LIN FT EXISTING GUARDRAIL

BUILD GUARDRAIL I-70 W.B. RT.
LOG MILE 224.641 TO LOG MILE 224.707
REMOVE 350 LIN FT EXISTING GUARDRAIL

BUILD GUARDRAIL I-70 W.B. RT.
LOG MILE 224.363 TO LOG MILE 224.423
REMOVE 306 LIN FT EXISTING GUARDRAIL

BUILD GUARDRAIL I-70 E.B. LT.
LOG MILE 25.285 TO LOG MILE 25.316
REMOVE 163 LIN FT EXISTING GUARDRAIL

BUILD GUARDRAIL I-70 E.B. RT.
LOG MILE 25.285 TO LOG MILE 25.444

BUILD GUARDRAIL I-70 E.B. RT.
LOG MILE 25.526 TO LOG MILE 25.6001
REMOVE 294 LIN FT EXISTING GUARDRAIL

SCALE
0 100 200 300 400 500

PLAN
SHEET 5 OF 9

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
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DATE PREPARED	
7/16/2020	
ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
KC	8
COUNTY	
JACKSON	
JOB NO.	
J4I3222	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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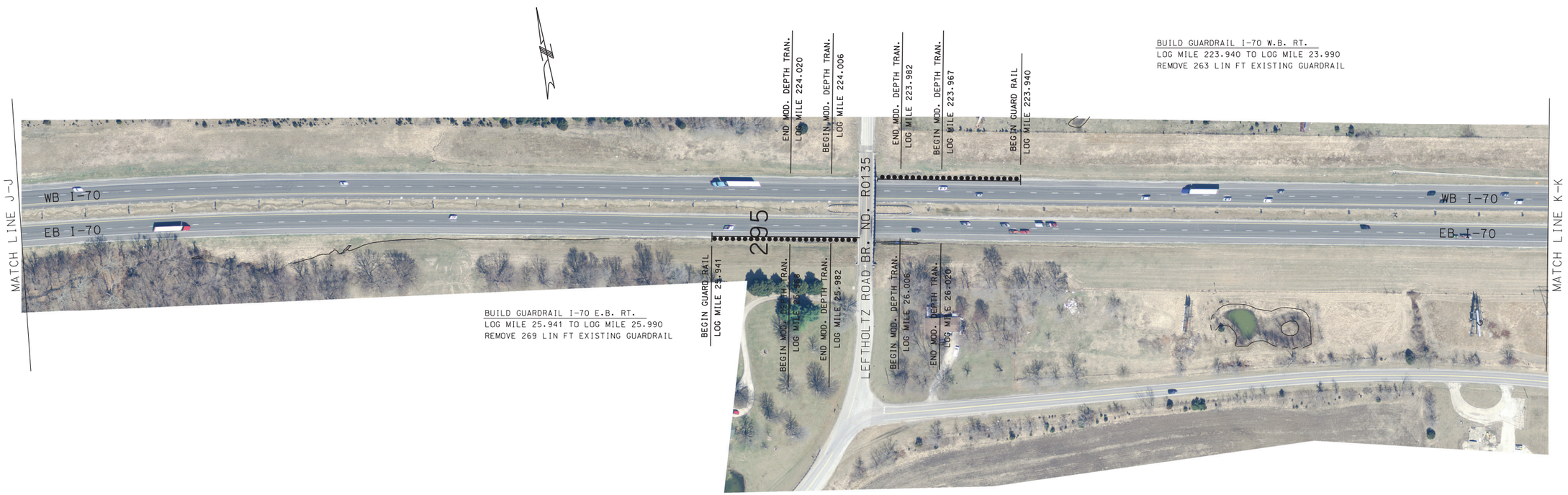
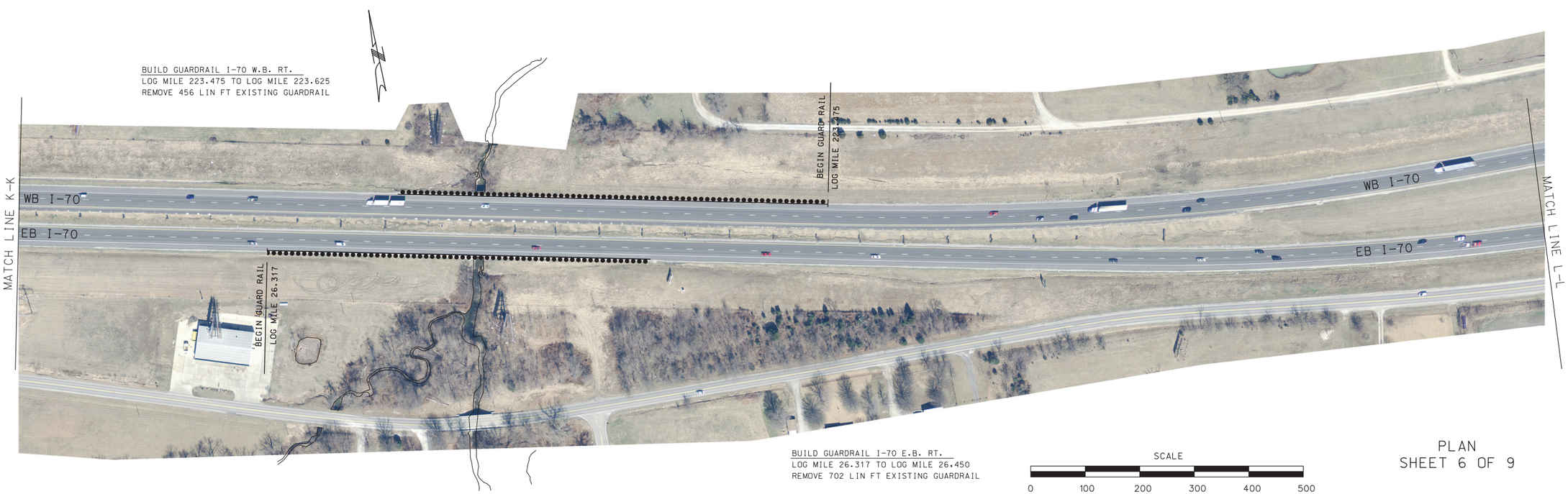
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)





SCALE

0 100 200 300 400 500

PLAN
SHEET 6 OF 9

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

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DATE PREPARED	7/16/2020
ROUTE	I-70
STATE	MO
DISTRICT	KC
SHEET NO.	9
COUNTY	JACKSON
JOB NO.	J4I3222
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

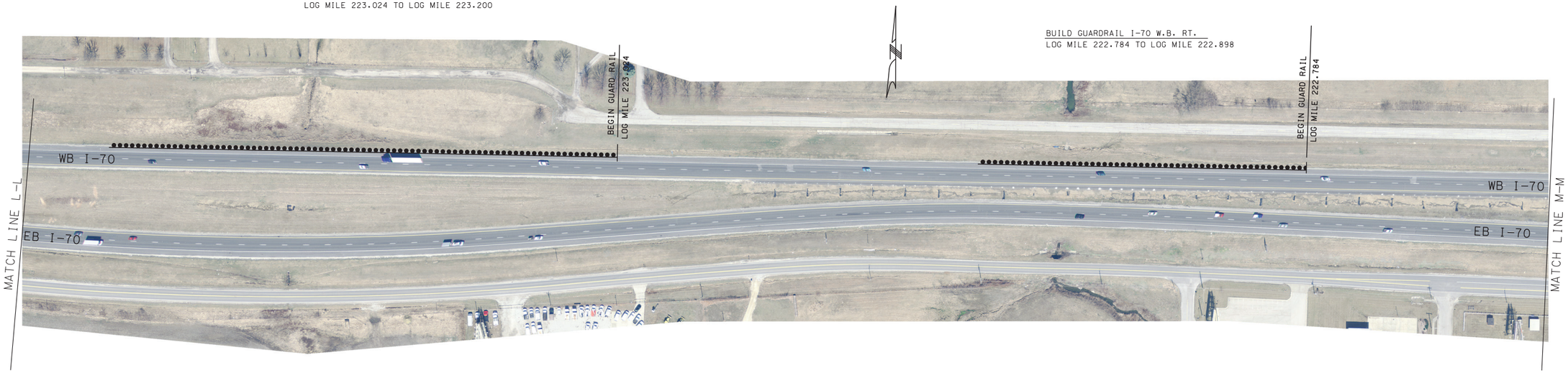
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

BUILD GUARDRAIL I-70 W.B. RT.
LOG MILE 223.024 TO LOG MILE 223.200

BUILD GUARDRAIL I-70 W.B. RT.
LOG MILE 222.784 TO LOG MILE 222.898



BUILD GUARDRAIL I-70 W.B. RT.
LOG MILE 222.358 TO LOG MILE 222.547

BUILD GUARDRAIL I-70 E.B. RT.
LOG MILE 27.499 TO LOG MILE 27.570
REMOVE 377 LIN FT EXISTING GUARDRAIL

BUILD GUARDRAIL I-70 E.B. RT.
LOG MILE 27.773 TO LOG MILE 27.806
REMOVE 177 LIN FT EXISTING GUARDRAIL

SCALE
0 100 200 300 400 500

PLAN
SHEET 7 OF 9

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

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DATE PREPARED	7/16/2020
ROUTE	I-70
STATE	MO
DISTRICT	KC
SHEET NO.	10
COUNTY	JACKSON
JOB NO.	J4I3222
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

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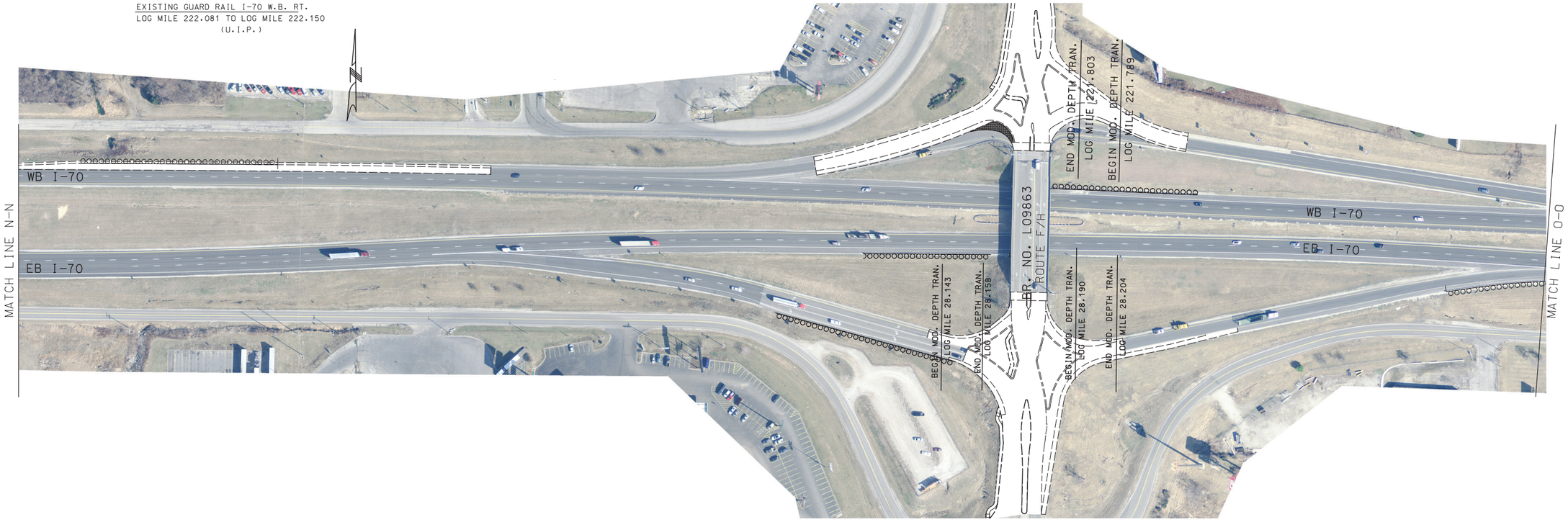
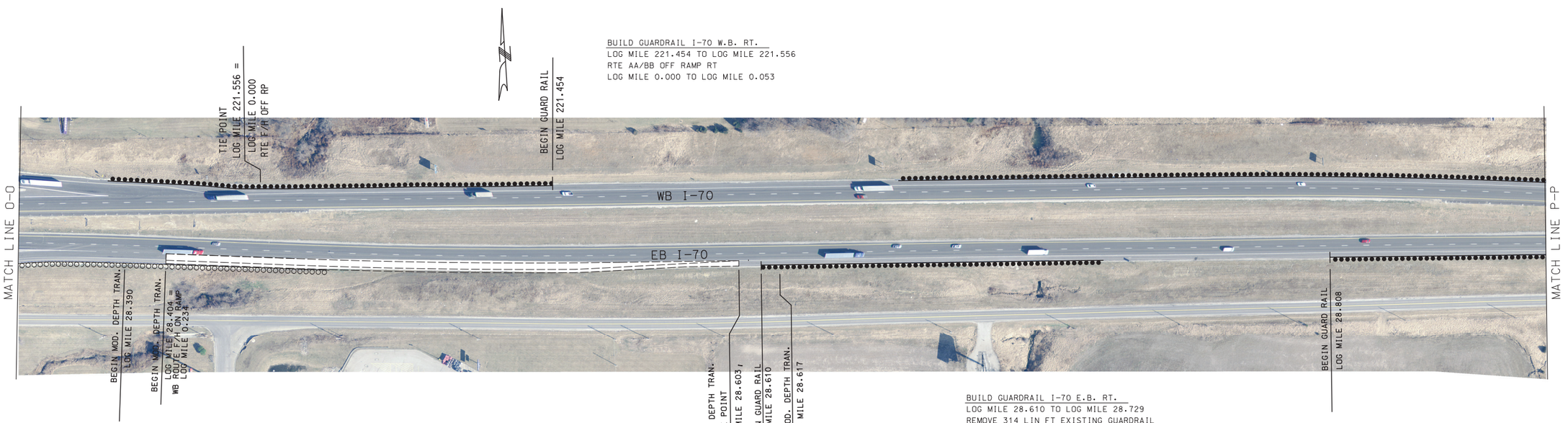
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

EXISTING GUARD RAIL I-70 W.B. RT.
LOG MILE 222.081 TO LOG MILE 222.150
(U.I.P.)



BUILD GUARDRAIL I-70 W.B. RT.
LOG MILE 221.454 TO LOG MILE 221.556
RTE AA/BB OFF RAMP RT
LOG MILE 0.000 TO LOG MILE 0.053



BUILD GUARDRAIL I-70 E.B. RT.
LOG MILE 28.610 TO LOG MILE 28.729
REMOVE 314 LIN FT EXISTING GUARDRAIL

BUILD GUARDRAIL I-70 E.B. RT.
LOG MILE 28.808 TO LOG MILE 28.920
REMOVE 277 LIN FT EXISTING GUARDRAIL

SCALE
0 100 200 300 400 500

PLAN
SHEET 8 OF 9

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
7/16/2020	
ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
KC	11
COUNTY	
JACKSON	
JOB NO.	
J4I3222	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

SCALE

0 100 200 300 400 500

PLAN
SHEET 9 OF 9

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

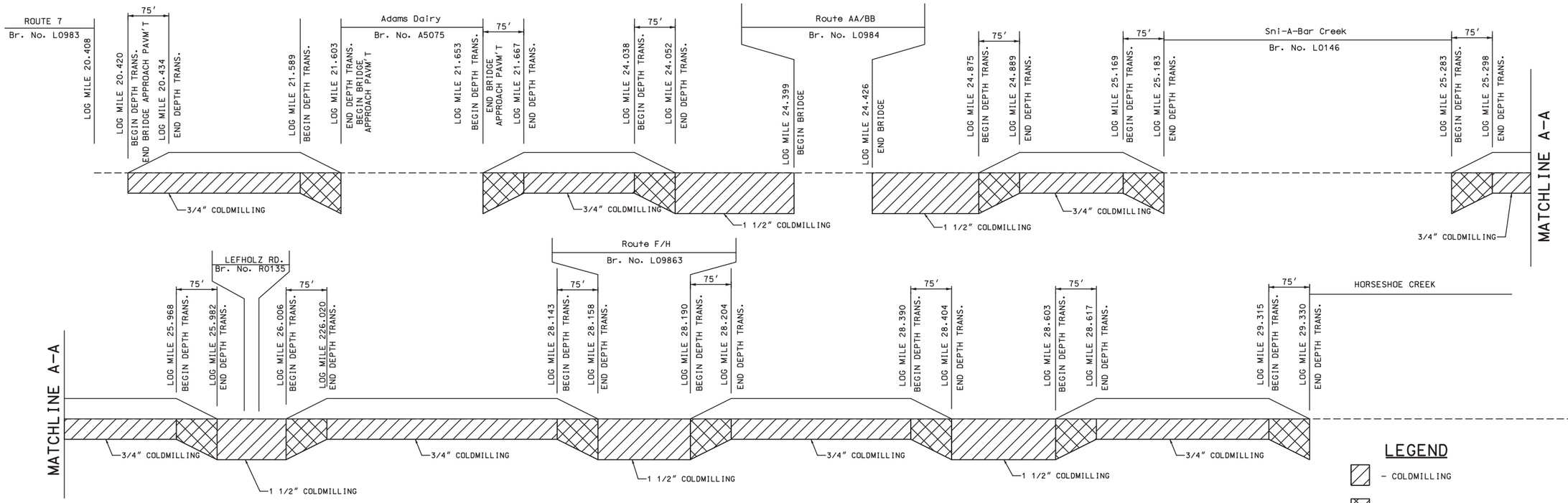
DATE PREPARED	
7/16/2020	
ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
KC	12
COUNTY	
JACKSON	
JOB NO.	
J4I3222	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

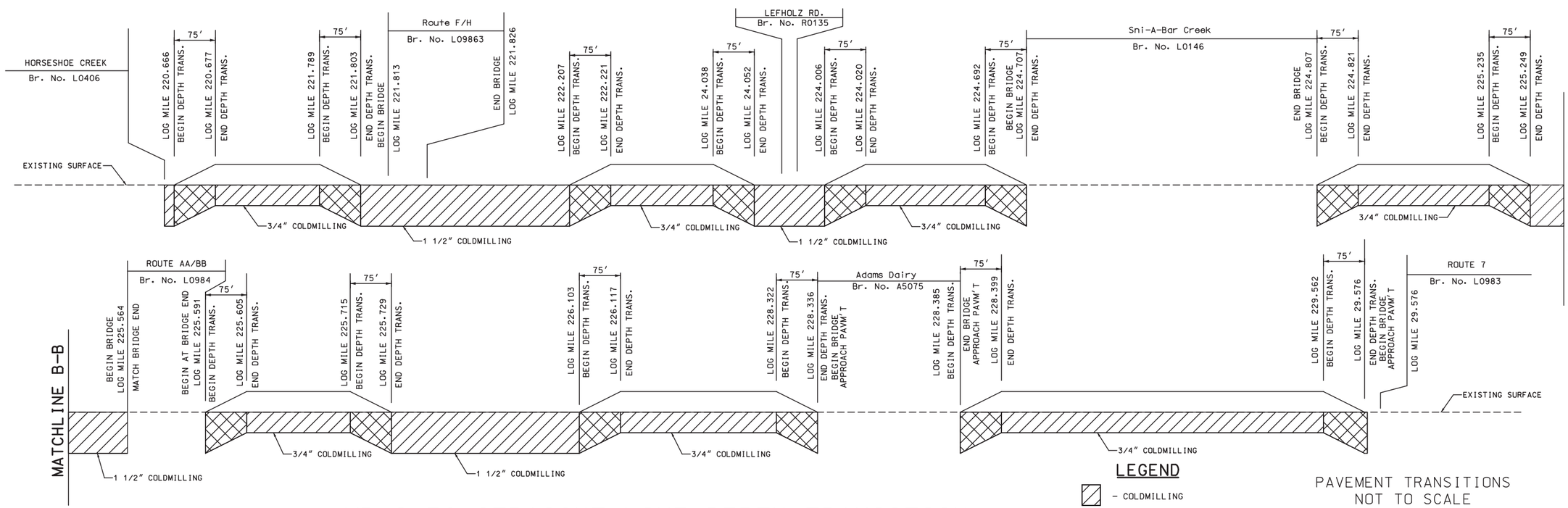
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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



EB I-70 STRAIGHT LINE DEPTH TRANSITION



WB I-70 STRAIGHT LINE DEPTH TRANSITION

PAVEMENT TRANSITIONS
NOT TO SCALE
SPECIAL SHEET
SHEET 1 OF 3

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
7/16/2020	
ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
KC	13
COUNTY	
JACKSON	
JOB NO.	
J4I3222	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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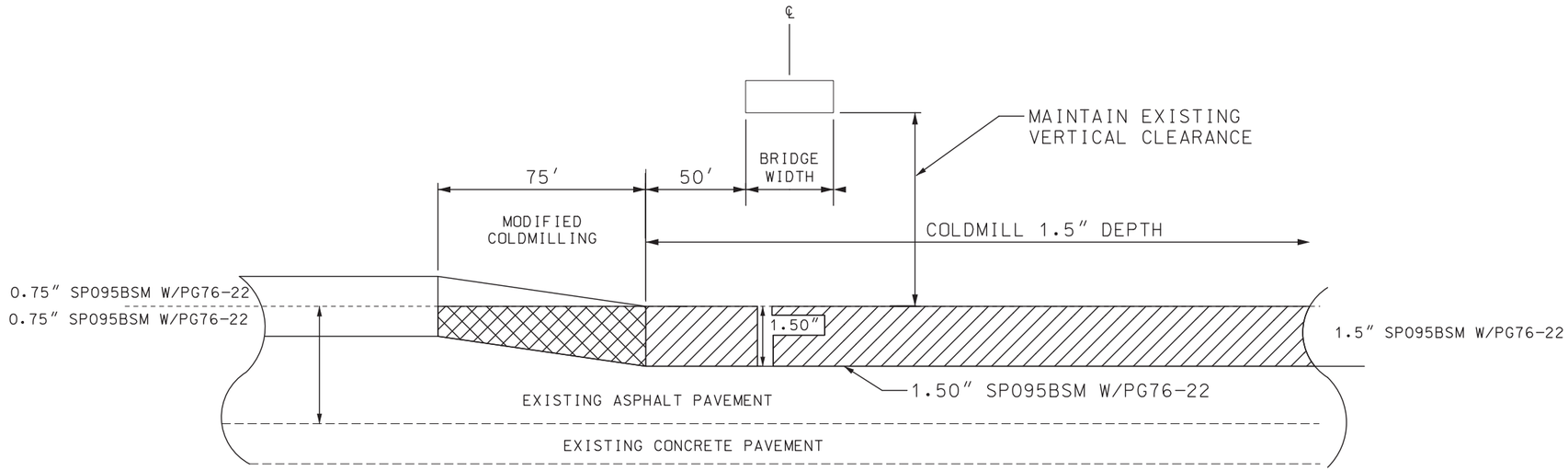
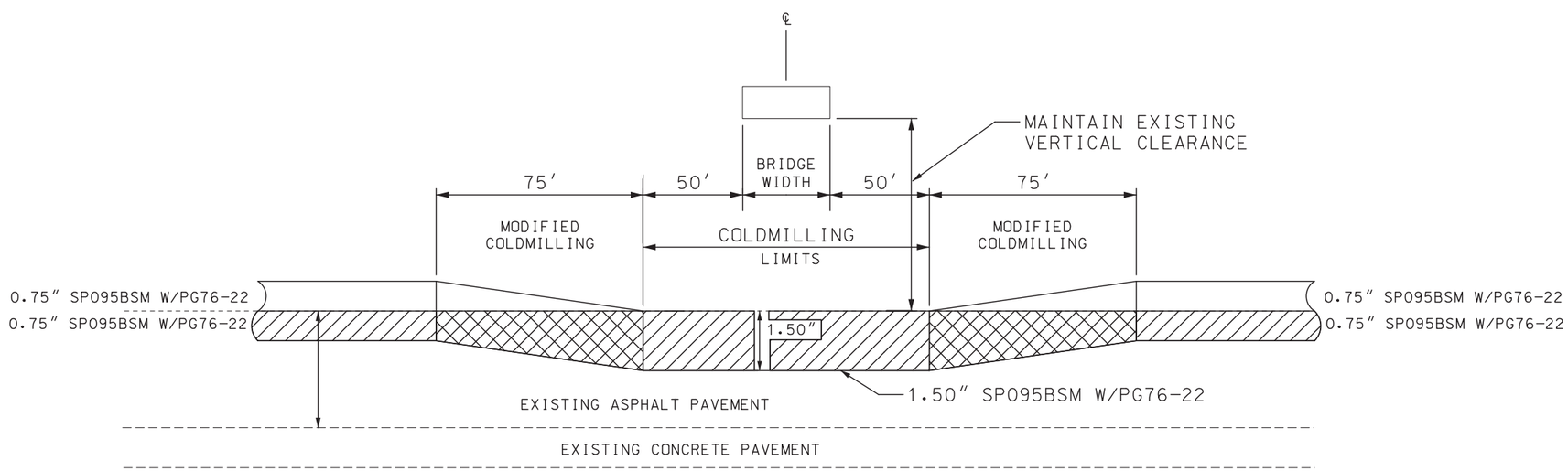
REV.



PAVEMENT TRANSITIONS AT OVERHEAD BRIDGE

I-70 WESTBOUND AT BRIDGE NO. L09863 (ROUTE F/H)



PAVEMENT TRANSITIONS AT OVERHEAD BRIDGES

I-70 EASTBOUND AND WESTBOUND AT BRIDGE NO. R0135 (LEFHOLZ ROAD)
I-70 EASTBOUND AT BRIDGE NO. L09863 (ROUTE F/H)

PAVEMENT TRANSITIONS
NOT TO SCALE
SPECIAL SHEET
SHEET 2 OF 3

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
7/16/2020	
ROUTE: I-70	STATE: MO
DISTRICT: KC	SHEET NO.: 14
COUNTY: JACKSON	
JOB NO.: J4I3222	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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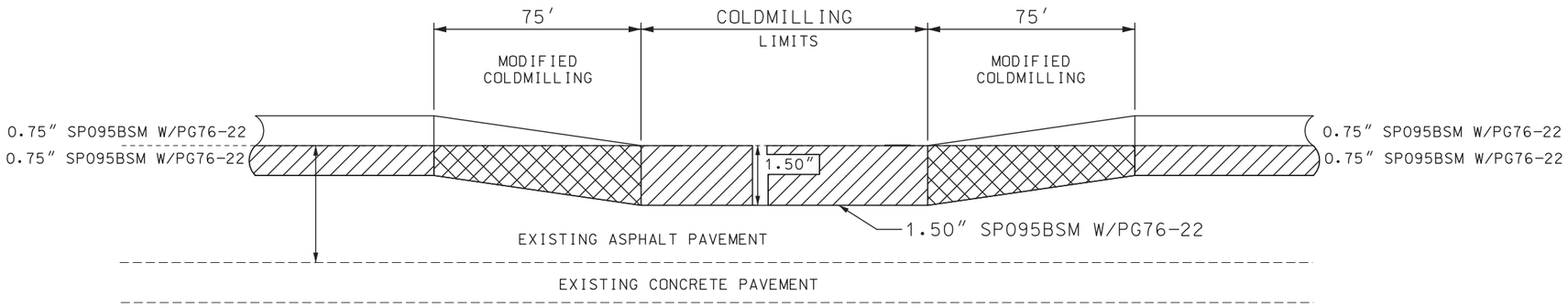
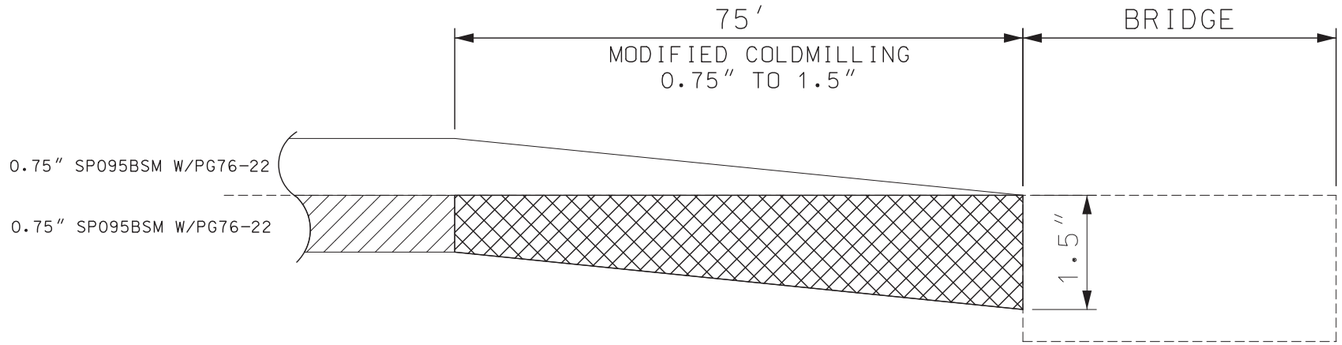
REV.



PAVEMENT TRANSITIONS APPROACHING CONCRETE PAVEMENT AND SHOULDERS



BRIDGE AT GRADE PAVEMENT TRANSITIONS

I-70 EASTBOUND/WESTBOUND AT EAST END OF BRIDGE NO. L0983 (ROUTE 7)
I-70 EASTBOUND/WESTBOUND AT EAST/WEST BRIDGE APPROACH END OF BRIDGE NO, A5075 (ADAMS DAIRY ROAD)
I-70 EASTBOUND/WESTBOUND AT EAST/WEST END OF BRIDGE NO, L0146 (SNI-A-BAR CREEK)
I-70 WESTBOUND AT EAST BRIDGE END BRIDGE NO. L0984 (ROUTE AA/BB)
I-70 EASTBOUND/WESTBOUND AT WEST END OF BRIDGE NO. L0406 (HORSESHOE CREEK)

PAVEMENT TRANSITIONS
NOT TO SCALE
SPECIAL SHEET
SHEET 3 OF 3

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
7/16/2020	
ROUTE: I-70	STATE: MO
DISTRICT: KC	SHEET NO.: 15
COUNTY: JACKSON	
JOB NO.: J4I3222	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

Traffic Control Legend, Sign Spacing, Device Spacing, Channelizing Taper Lengths And Recommended Maximum Speed Reductions

SIGN SPACING FOR ADVANCE SIGN SERIES (1) (2)		
PERMANENT POSTED SPEED MPH	UNDIVIDED HIGHWAYS	DIVIDED HIGHWAYS
0-35	200′	200′
40-45	350′	500′
50-55	500′	1000′
60-70	1000′	SA - 1000′ SB - 1500′ SC - 2640′

TAPER LENGTHS AND END TREATEMENTS FOR CONCRETE BARRIER				
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3)			END TREATMENT (4)
	10′	11′	12′	
<40	160′	168′	176′	BARRIER HEIGHT TRANSITION
≥40	160′	168′	176′	APPROVED CRASH CUSHION

TAPER LENGTHS AND SPACING FOR CHANNELIZERS							
PERMANENT POSTED SPEED MPH	MINIMUM LANE TAPER LENGTH (3)			MINIMUM SHOULDER TAPER LENGTH BASED ON 10′ SHOULDER	BUFFER LENGTH FT	MAXIMUM CHANNELIZER SPACING	
	10′	11′	12′			THROUGH TAPER	THROUGH WORK AREA
0-35	205′	225′	245′	70′	280′	35′	40′
40-45	450′	495′	540′	150′	400′	40′	80′
50-55	550′	605′	660′	185′	560′	50′	80′
60-70	700′	770′	840′	235′	840′	60′	120′

** THE SA DIMENSION IS THE DISTANCE FROM THE TRANSITION OR POINT OF RESTRICTION TO THE FIRST SIGN.

THE SB DIMENSION IS THE DISTANCE BETWEEN THE FIRST AND SECOND SIGNS.

THE SC DIMENSION IS THE DISTANCE BETWEEN THE SECOND AND THIRD SIGNS.

(THE "FIRST SIGN" IS THE SIGN IN A THREE-SIGN SERIES THAT IS CLOSEST TO THE TEMPORARY TRAFFIC CONTROL ZONE. THE "THIRD SIGN" IS THE SIGN THAT IS FURTHEST UPSTREAM FROM THE TEMPORARY TRAFFIC CONTROL ZONE).

DETAILS NOTES:

(1) SPACING BETWEEN SIGNS AND SPACING BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER, OF SIGNED CONDITION.

(2) SPACING MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

(3) TAPER LENGTHS SHOWN INCLUDE LENGTH REQUIRED FOR LANE AND 10' SHOULDER.

(4) CONCRETE BARRIER MAY BE INSTALLED AT 8:1 FLARE RATE FROM THE SHOULDER POINT OF THE LIMITS OF THE CLEAR ZONE WHERE THE SIDE SLOPE IS 6:1 OR FLATTER.

TAPER LENGTH (L)

$L = W \times P$ FOR 40 MPH OR MORE

$L = \frac{WP^2}{60}$ FOR 35 MPH OR LESS

L = TAPER LENGTH IN FEET

W = LATERAL SHIFT IN FEET

P = POSTED SPEED PRIOR TO ROAD WORK IN MPH

TRAFFIC CONTROL LEGEND

- SIGN (SINGLE SIDED)
- FLAGGER
- CHANNELIZER
- PROTECTIVE VEHICLE WITH WORK SIGN, FLASHING ARROW PANEL AND REAR-MOUNTED IMPACT ATTENUATOR UNIT.
- FLASHING ARROW PANEL
- CHANGEABLE MESSAGE BOARD
- BARRICADE

LEGEND NOTE:

THE PROTECTIVE VEHICLE SIGN SHALL BE MOUNTED AT A RECOMMENDED HEIGHT OF 48 IN. ABOVE THE ROAD SURFACE.

GENERAL NOTES:

1. SEE STANDARD PLAN 616.10 FOR DETAILS AND ITEMS NOT SHOWN.
2. EXISTING SIGNS SHALL BE COVERED DURING WORKING HOURS ONLY IF IN CONFLICT WITH TRAFFIC CONTROL PLANS.
3. NO DIRECT PAYMENT WILL BE MADE FOR RELOCATING, COVERING, UNCOVERING OR REMOVING SIGNS.
4. CONES ALLOWABLE FOR DAYTIME OPERATIONS ONLY.
5. LOCATE FLASHING ARROW PANEL AT BEGINNING OF TAPER WHEN FEASIBLE, ARROW PANELS ARE ALWAYS LOCATED BEHIND CHANNELIZERS OR CONES.

EPG TABLE 616.29 RECOMMENDED MAXIMUM SPEED REDUCTIONS	
ACTIVITY (I.E. WORKERS, EQUIPMENT OR MATERIAL) LOCATION	RECOMMENDED WORK ZONE SPEED REDUCTION (WHEN APPLICABLE)
10 FT. BEYOND EDGE OF TRAVELWAY TO EDGE OF RIGHT OF WAY	NO SPEED REDUCTION
IN TRAFFIC LANE OR WITHIN 10FT. OF THE TRAFFIC LANE	10 MPH
HEAD-TO-HEAD ON MULTILANE	10 MPH
SPECIAL CIRCUMSTANCES WITHIN A TEMPORARY TRAFFIC CONTROL WORK ZONE MAY WARRANT A LOWER SPEED LIMIT THAN RECOMMENDED ABOVE. ALL SPEED LIMIT REDUCTIONS GREATER THAN 10 MPH SHALL BE DOCUMENTED, SUBMITTED TO AND APPROVED BY THE DISTRICT WORK ZONE COORDINATOR.	

TEMPORARY TRAFFIC CONTROL DEVICE SPACING SHEET 1 OF 11

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

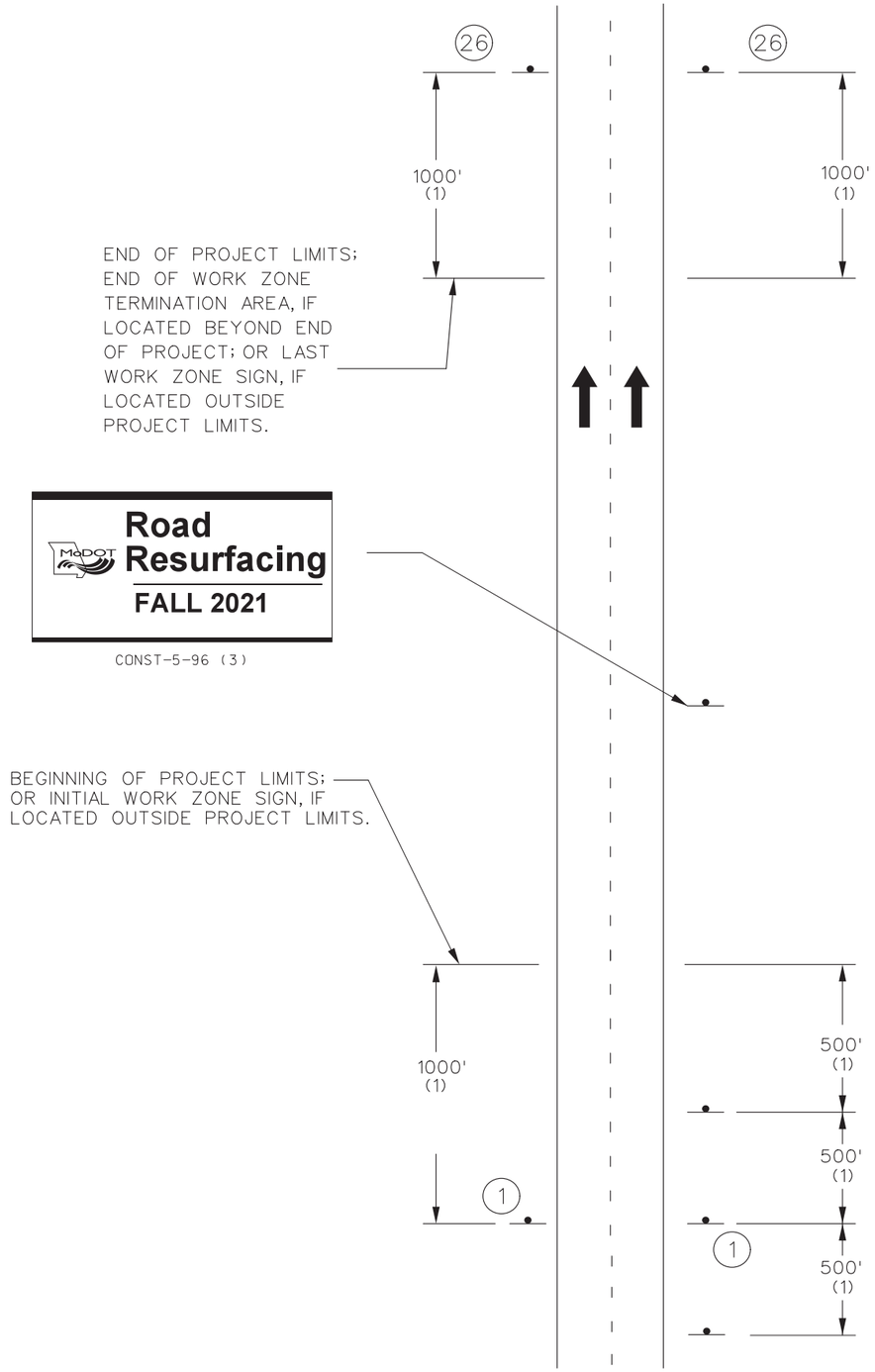
DATE PREPARED	
7/16/2020	
ROUTE I-70	STATE MO
DISTRICT KC	SHEET NO. 16
COUNTY JACKSON	
JOB NO. J4I3222	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.



MULTI-LANE DIVIDED

BEGIN/END OF PROJECT SIGNING

NOTES:

SIGN G020-1 IS REQUIRED PER EPG 616.6.56.

SIGN G020-2 IS USED ON ALL PROJECTS WHERE SIGN G020-1 IS USED.

OTHER SIGNS SUCH AS DETOUR OR ALTERNATE ROUTE SIGNING MAY BE USED OUTSIDE THE PROJECT LIMITS.

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

(1) DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS. WHERE TRAFFIC BACKUPS ARE EXPECTED BEYOND THE ADVANCE WARNING AREA, ADDITIONAL SIGNING MAY BE NEEDED.

(2) SIGN CONST-7-48 OR CONST-7-72 IS PLACED 500 FEET BEFORE THE BEGINNING OF PROJECT LIMITS OR THE ROAD WORK AHEAD SIGN OR ROAD WORK NEXT XX MILES SIGN, IF USED, WHEN THESE SIGNS ARE LOCATED OUTSIDE THE PROJECT LIMITS.

(3) SIGN CONST-5-96 OR CONST-5-48 IS PLACED IN A VISIBLE AREA WITHIN THE PROJECT LIMITS PROVIDED ITS PLACEMENT DOES NOT DISRUPT A SEQUENCE OF SIGNS. IF A VISIBLE LOCATION WITHIN THE PROJECT IS NOT AVAILABLE, THE SIGN MAY BE PLACED 500 FEET BEFORE SIGN CONST-7-48 OR CONST-7-72.

(4) THE "RATE OUR WORK ZONE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITIONS. THE 48 IN. X 24 IN. SIGN IS USED ON LOW VOLUME ROUTES THAT CARRY 400 AADT OR LESS,ON PROJECTS THAT HAVE A DURATION OF 4 WEEKS OR LESS OR IN URBAN AREAS WHERE THERE IS INSUFFICIENT RIGHT OF WAY FOR A SIX FOOT WIDE SIGN. THE 72 IN. X 36 IN. VERSION OF THE SIGN IS USED IN ALL OTHER APPLICATIONS. BUT CAN ALSO BE USED IN PLACE OF THE 48 IN. X 24 IN. SIGN IF ADDED EMPHASIS IS DEEMED NECESSARY.

(5) THE "POINT OF PRESENCE" SIGN IS AVAILABLE IN TWO SIZES DEPENDING ON ROADWAY CONDITION. THE 48 IN. X 36 IN. SIGN IS USED ON LOW VOLUME ROUTES THAT CARRY 400 AADT OR LESS, ON PROJECTS THAT HAVE A DURATION OF 4 WEEKS OR LESS OR IN URBAN AREAS WHERE THERE IS INSUFFICIENT RIGHT OF WAY FOR AN EIGHT FOOT WIDE SIGN. THE 96IN. X 48 IN. VERSION OF THE SIGN IS USED IN ALL OTHER APPLICATIONS. BUT CAN ALSO BE USED IN PLACE OF THE 48 IN. X 36 IN. SIGN IF ADDED EMPHASIS IS DEEMED NECESSARY.

WORK ZONE
NO PHONE
ZONE
SPECIAL

WHEN THE "ROAD WORK NEXT XX MILES" IS NOT USED THE "NO PHONE ZONE" SIGN IS TO BE PLACED A MINIMUM OF 500'BEFORE THE "ROAD WORK AHEAD" SIGN. REFER TO EPG 616.6.51.3 WORK ZONE NO PHONE ZONE SIGN

ROAD WORK
NEXT XX MILES
G020-1
1

END
ROAD WORK
G020-2
26

BEGIN/END
TEMPORARY
TRAFFIC CONTROL
SHEET 2 OF 11

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER
PE-2002003198
PROFESSIONAL ENGINEER
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

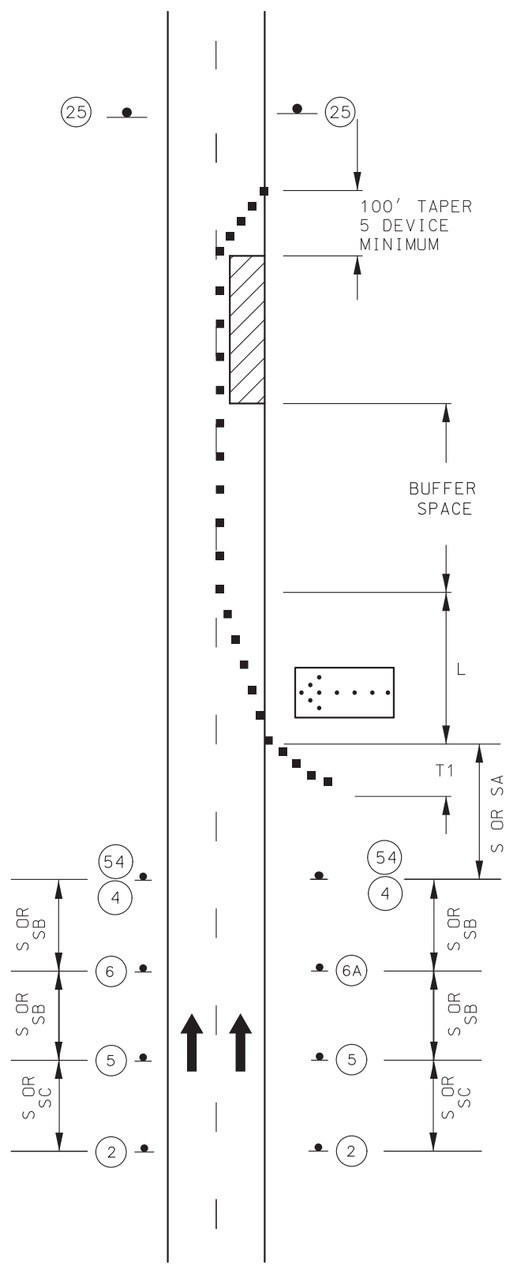
DATE PREPARED	
7/16/2020	
ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
KC	17
COUNTY	
JACKSON	
JOB NO.	
J4I3222	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

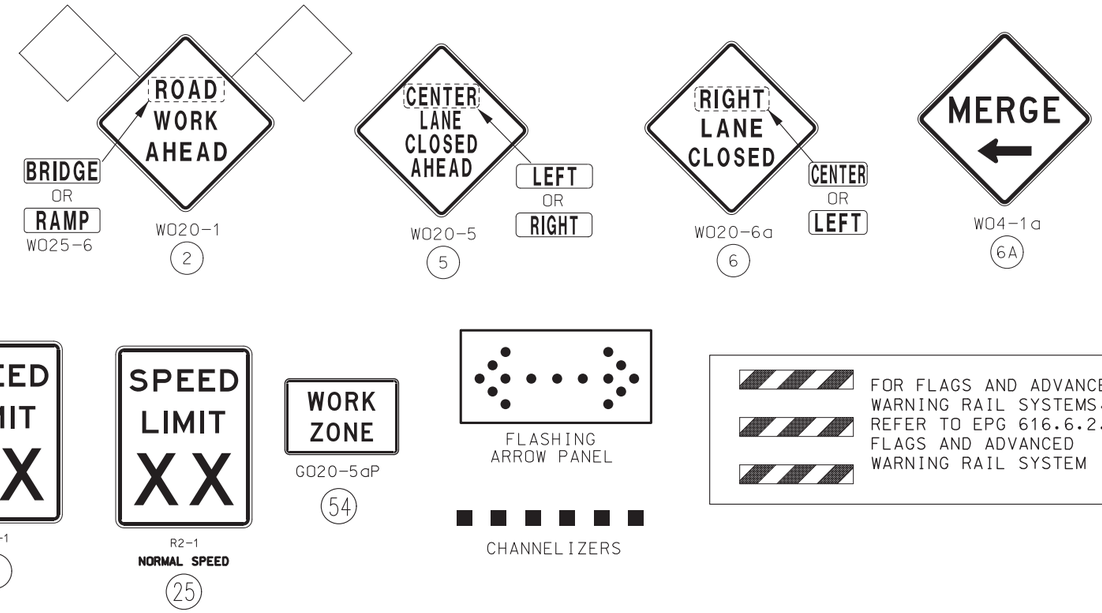
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

EFFECTIVE: 02-01-2009



TWO-LANE DIVIDED HIGHWAY

TA-33



NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.

THIS INFORMATION ALSO SHALL BE USED WHEN WORK IS BEING PREFORMED IN THE LANE ADJACENT TO THE MEDIAN ON A DIVIDED HIGHWAY. IN THIS CASE, THE LEFT LANE CLOSED SIGNS AND THE CORRESPONDING MERGE OR LANE ENDS SIGN SHALL BE SUBSTITUTED.

WHEN A SIDE ROAD INTERSECTS THE HIGHWAY WITHIN THE TTC ZONE ADDITIONAL TTC DEVICES SHALL BE PLACED AS NEEDED.

TEMPORARY TRAFFIC BARRIERS, IF USED SHALL COMPLY WITH THE PROVISIONS IN EPG 616.6.85 TEMPORARY TRAFFIC BARRIER AND REVIEW TA-34 LANE CLOSURE WITH A TEMPORARY TRAFFIC BARRIER.

REVIEW EPG TA-34a LANE CLOSURE WITH WIDTH AND LANE RESTRICTIONS DE/CM FOR A LANE CLOSURE WITH WIDTH RESTRICTIONS.

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

REVIEW EPG 616.6.83 WARNING LIGHTS WHEN SEQUENTIAL OR WARNING LIGHTS SHOULD BE USED ON NIGHTTIME OPERATIONS.

IF RUMBLE STRIPS ARE USED, REVIEW EPG 616.6.87 RUMBLE STRIPS.

FOR FLAGS AND ADVANCE WARNING RAIL SYSTEM, REFER TO EPG 616.6.2.2 FLAG AND ADVANCE WARNING RAIL SYSTEM.

REVIEW EPG 616.6.63 CHANNELIZING DEVICES FOR DIFFERENT TYPES AND GUIDELINES FOR THE DEVICES

STATIONARY
LANE CLOSURE
ON DIVIDED HIGHWAY
TEMPORARY
TRAFFIC CONTROL
SHEET 3 OF 11

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
7/16/2020	
ROUTE I-70	STATE MO
DISTRICT KC	SHEET NO. 18
COUNTY JACKSON	
JOB NO. J4I3222	
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)

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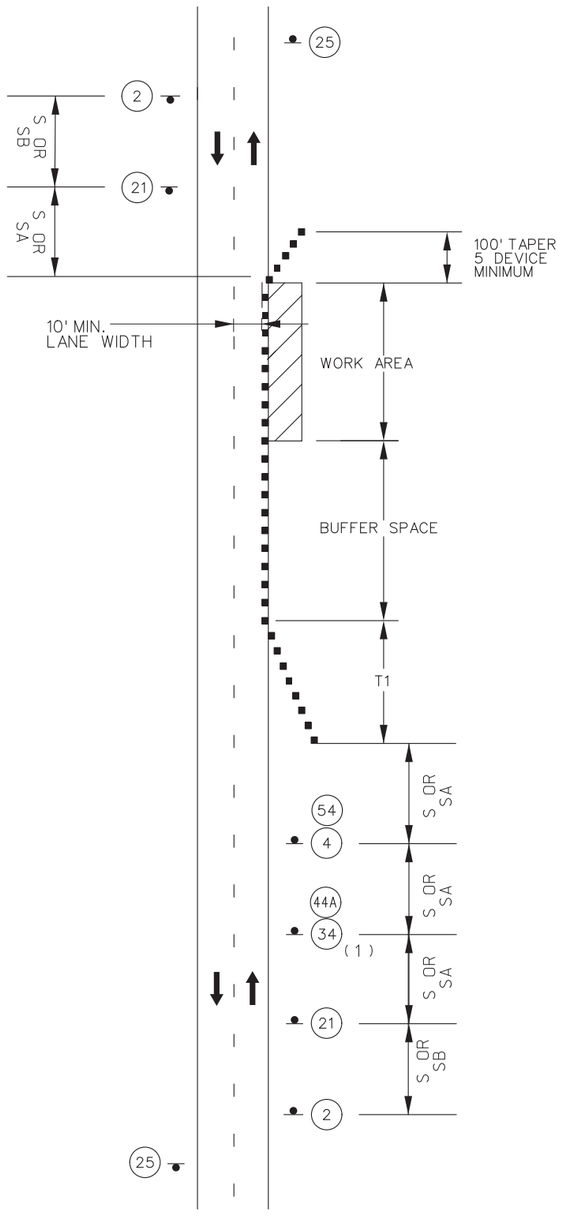
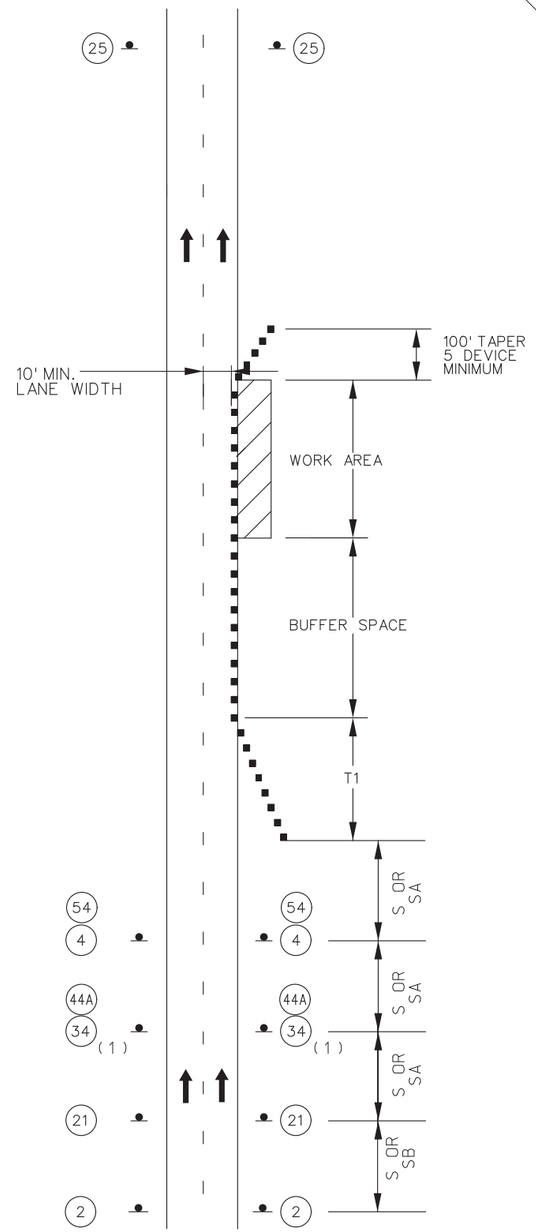
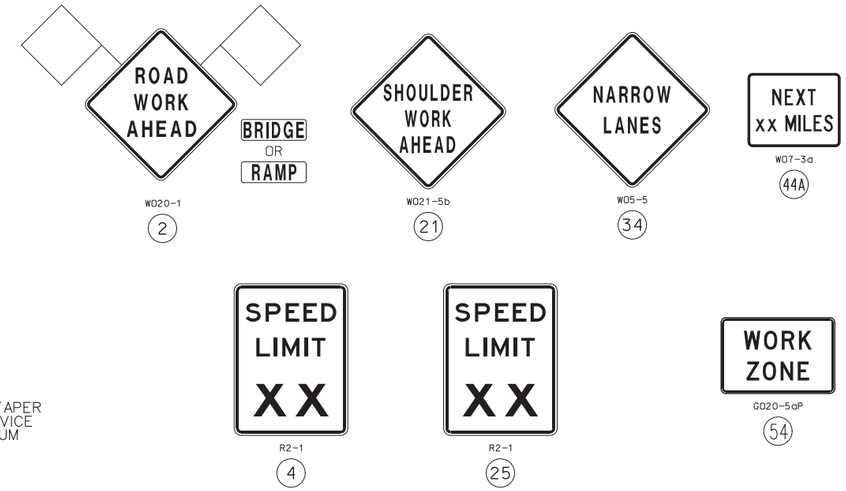


TWO LANE UNDIVIDED
SHOULDER WORK
MINOR TRAVELWAY ENCROACHMENT



MULTI-LANE DIVIDED
SHOULDER WORK
MINOR TRAVELWAY ENCROACHMENT



FOR FLAGS AND ADVANCE WARNING RAIL SYSTEMS, REFER TO EPG 616.6.2.2 FLAGS AND ADVANCED WARNING RAIL SYSTEM

NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR WORKZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

SIGN 2 NOT REQUIRED IF SHOULDER WORK IS LOCATED WITHIN THE LIMITS OF AN ACTIVITY AREA WHERE ANOTHER SIGN 2 IS ALREADY USED.

THE PROTECTIVE VEHICLE MAY BE OMITTED IF A TAPER AND CHANNELIZING DEVICES ARE USED.

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

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

SHADOW AND WORK VEHICLES SHALL DISPLAY HIGH-DENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

(1). SIGN 44A NOT REQUIRED FOR NARROW LANE SECTIONS LESS THAN ONE MILE.

TA-06

SHOULDER WORK
MINOR ENCROACHMENT
TEMPORARY
TRAFFIC CONTROL
SHEET 4 OF 11

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	
7/16/2020	
ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
KC	19
COUNTY	
PLATTE	
JOB NO.	
J4I3222	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

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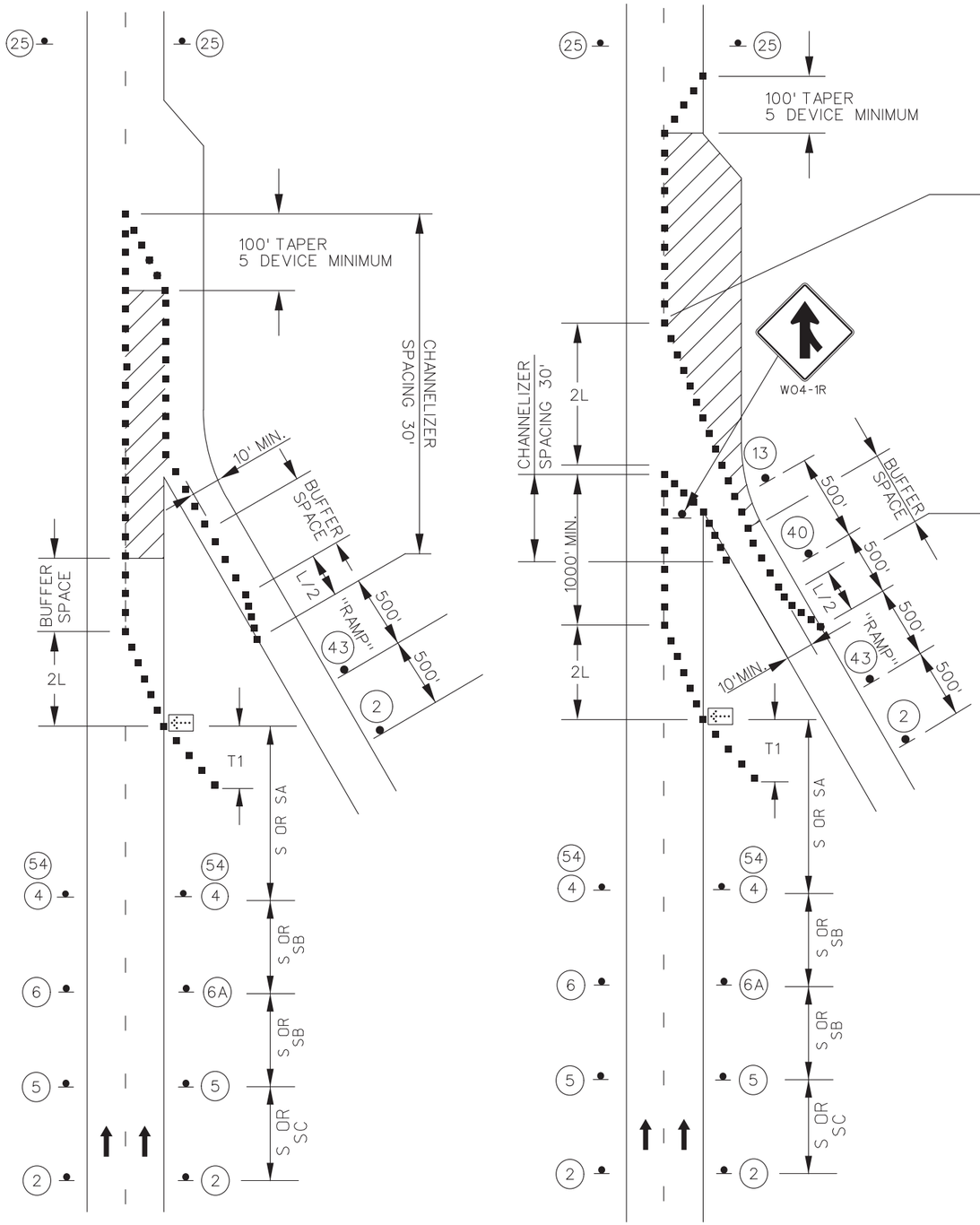
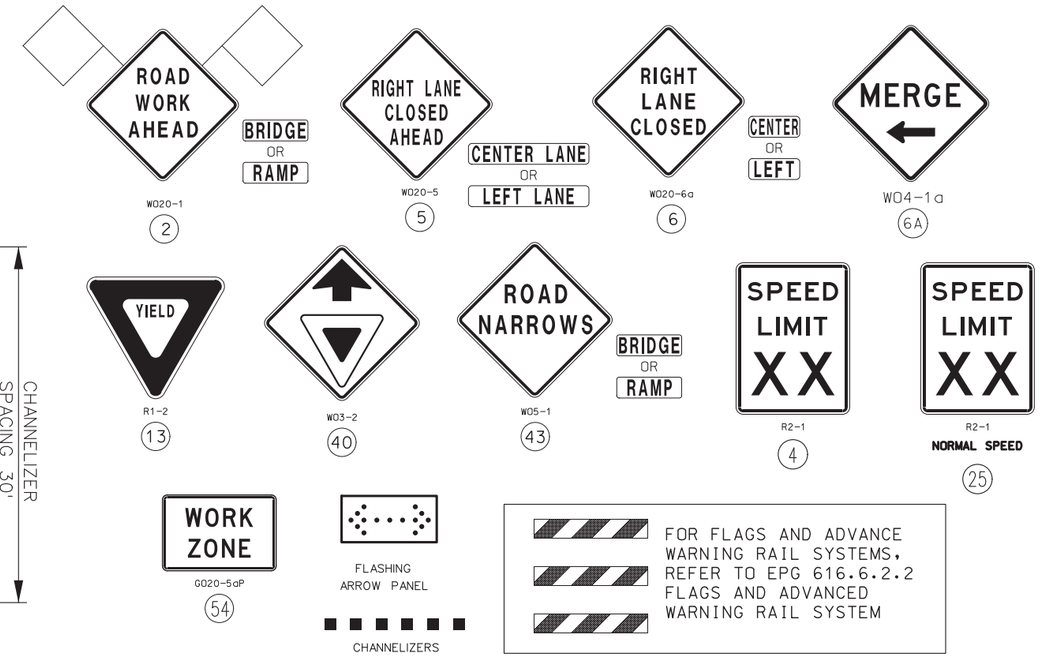


TA-44 - LANE CLOSURE
ENTRANCE RAMP AREAS



NOTES: SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

IF RUMBLE STRIPS ARE USED, REVIEW EPG 616.6.87 RUMBLE STRIPS.

FOR NIGHT TIME OPERATIONS, REVIEW EPG 616.6.83 WARNING LIGHTS FOR USE OF SEQUENTIAL LIGHTS.

REVIEW EPG 616.6.63 CHANNELIZING DEVICES FOR DIFFERENT TYPES AND AND GUIDELINES FOR THE DEVICE.

RAMP NARROWS SIGN IS REQUIRED WHEN RAMP WIDTH IS REDUCED.

YEILD SIGN SHOULD BE PLACED ON THE RAMP TO PROVIDE ADEQUATE VISIBILITY OF MAINLINE TRAFFIC. WHERE INADEQUATE ACCELERATION DISTANCE EXISTS FOR THE TEMPORARY ENTRANCE, THE YIELD SIGN SHALL BE REPLACED WITH STOP SIGNS (ONE EACH SIDE OF THE APPROACH).

THE LOCATION OF THE SIGN SEQUENCE AND MERGE TAPER SHOULD BE ADJUSTED SO THAT THE ARROW PANEL LOCATION IS NOT CONFUSING TO MOTORISTS ON THE RAMP.

THE YEILD SIGN SHOULD BE PLACED ON THE RAMP TO PROVIDE ADEQUATE VISIBILITY OF MAINLINE TRAFFIC.

FOR WORK ZONES WHERE DEVICES ARE IN PLACE OVER NIGHT, UAW TRIM-LINE CHANNELIZERS.

WORK IN VICINITY
OF ENTRANCE RAMP
TEMPORARY
TRAFFIC CONTROL
SHEET 5 OF 11

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

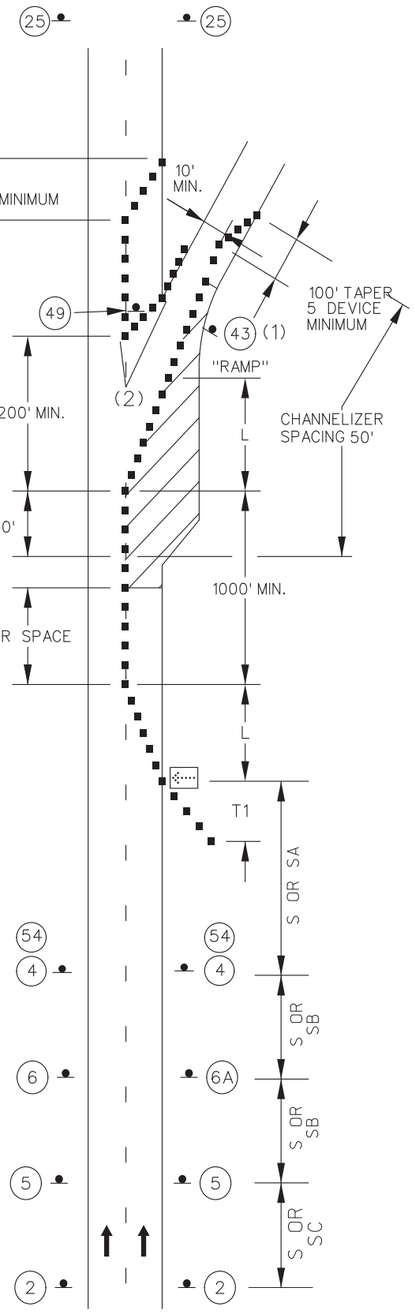
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

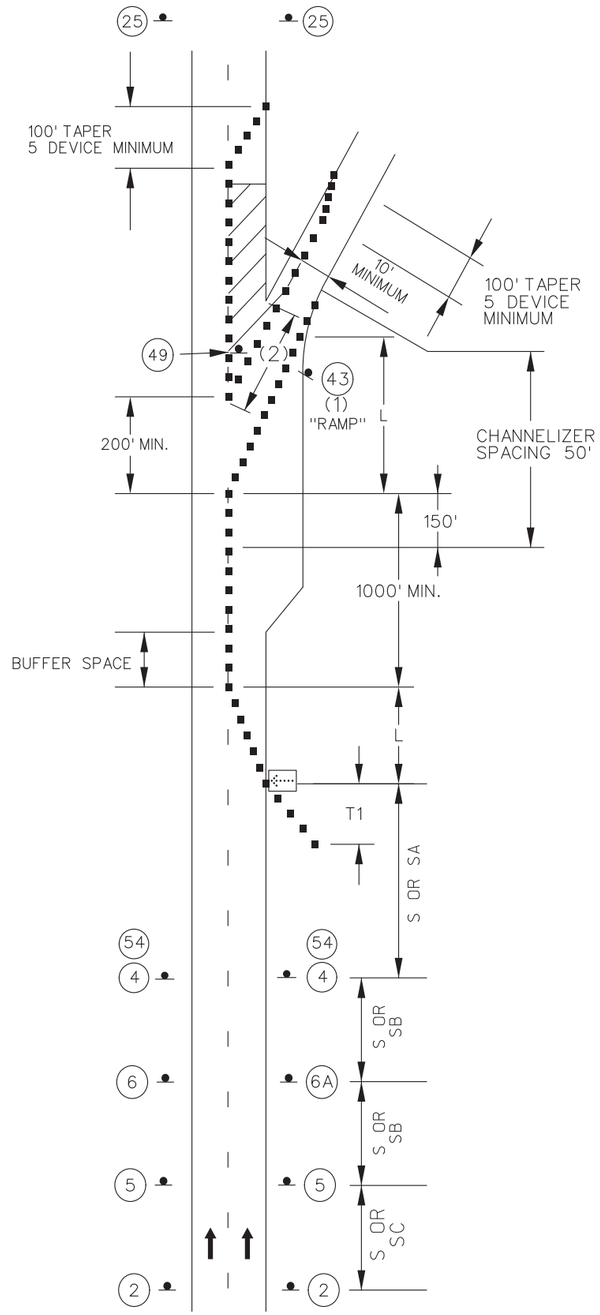
DATE PREPARED	
7/16/2020	
ROUTE	STATE
I-70	MO
DISTRICT	SHEET NO.
KC	20
COUNTY	
JACKSON	
JOB NO.	
J4I3222	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

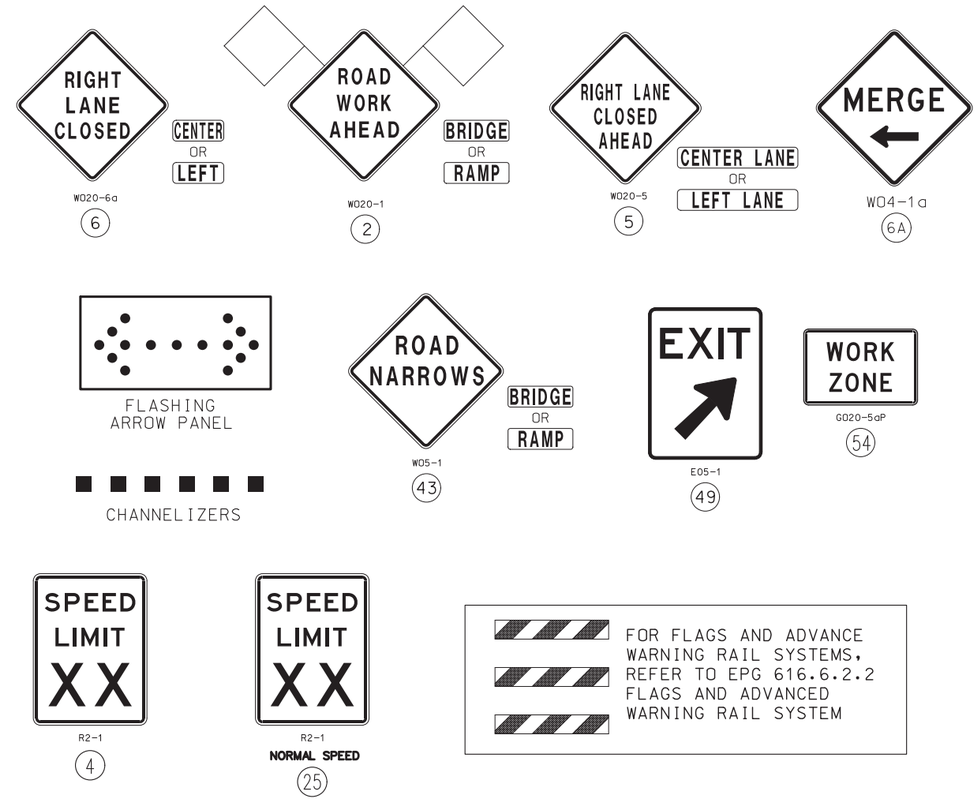
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.





WORK IN THE VICINITY
OF A EXIT RAMP AREAS

TA-42



NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

REMOVE AND/OR MODIFY EXISTING PAVEMENT MARKING AS NEEDED.

TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM LANE CLOSURES.

IF RUMBLE STRIPS ARE USED, REVIEW EPG 616.6.87 RUMBLE STRIPS.

FOR NIGHT TIME OPERATIONS, REVIEW EPG 616.6.83 WARNING LIGHTS FOR USE OF SEQUENTIAL LIGHTS.

REVIEW EPG 616.6.63 CHANNELIZING DEVICES FOR DIFFERENT TYPES AND AND GUIDELINES FOR THE DEVICE.

(1). SIGN 43 REQUIRED WHEN RAMP WIDTH IS REDUCED.

(2). FIVE CHANNELIZER DEVICE MINIMUM.

WORK IN VICINITY
OF EXIT RAMP
TEMPORARY
TRAFFIC CONTROL
SHEET 6 OF 11

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

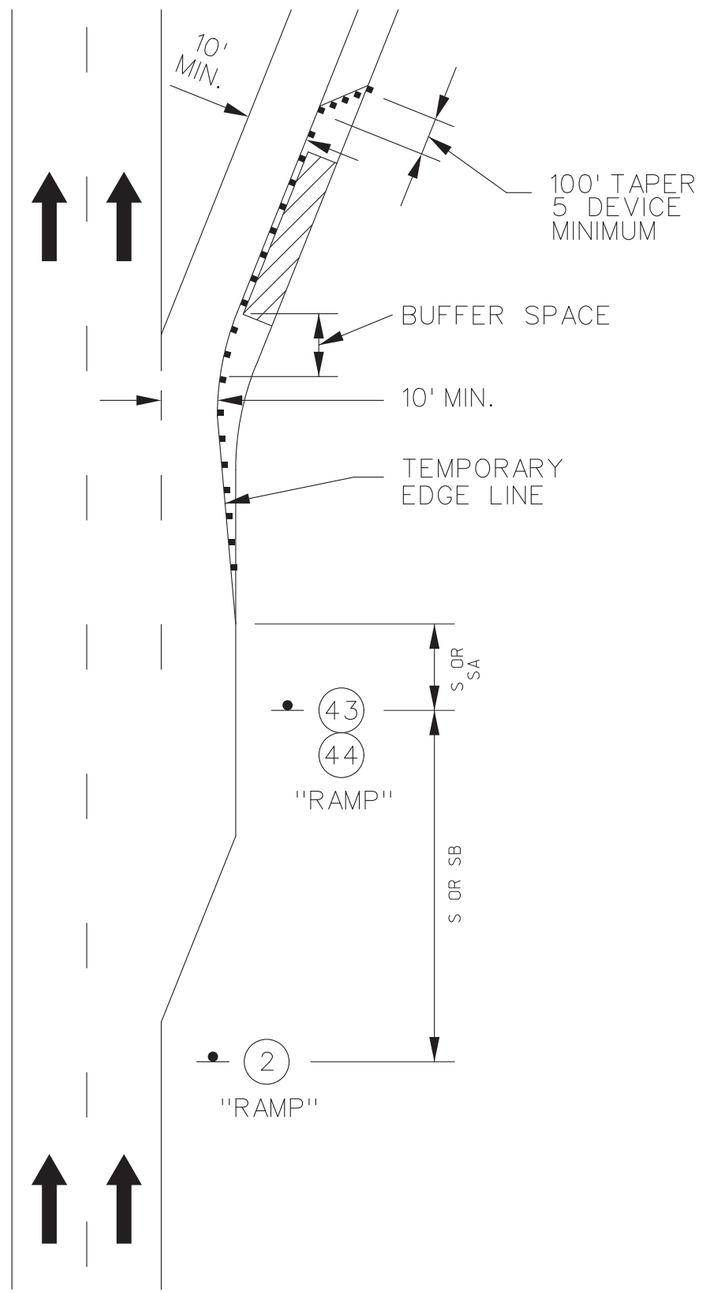
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

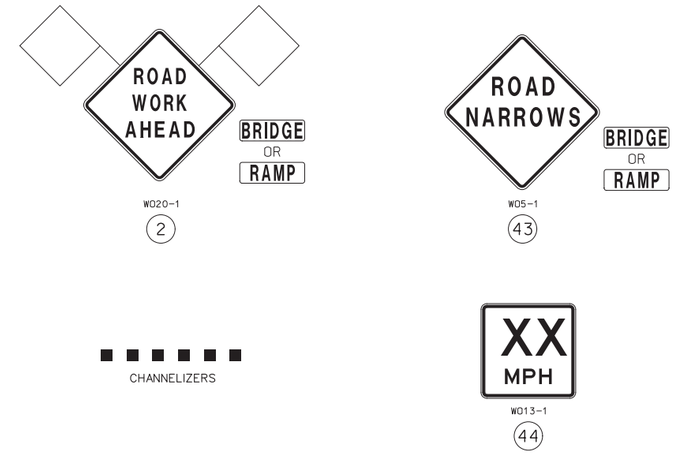
DATE PREPARED	
7/16/2020	
ROUTE I-70	STATE MO
DISTRICT KC	SHEET NO. 21
COUNTY JACKSON	
JOB NO. J4I3222	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.





FOR FLAGS AND ADVANCE WARNING RAIL SYSTEMS, REFER TO EPG 616.6.2.2 FLAGS AND ADVANCED WARNING RAIL SYSTEM

NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.

TEMPORARY PAVEMENT MARKING OPTIONAL FOR SHORT TERM OPERATIONS.

IF RUMBLE STRIPS ARE USED, REVIEW EPG 616.6.87 RUMBLE STRIPS.

REVIEW EPG 616.6.63 CHANNELIZING DEVICES FOR DIFFERENT TYPES AND AND GUIDELINES FOR THE DEVICE.

LANE CLOSURE
PARTIAL RAMP LANE

TA-43

PARTIAL EXIT RAMP
CLOSURE
TEMPORARY
TRAFFIC CONTROL
SHEET 7 OF 11

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

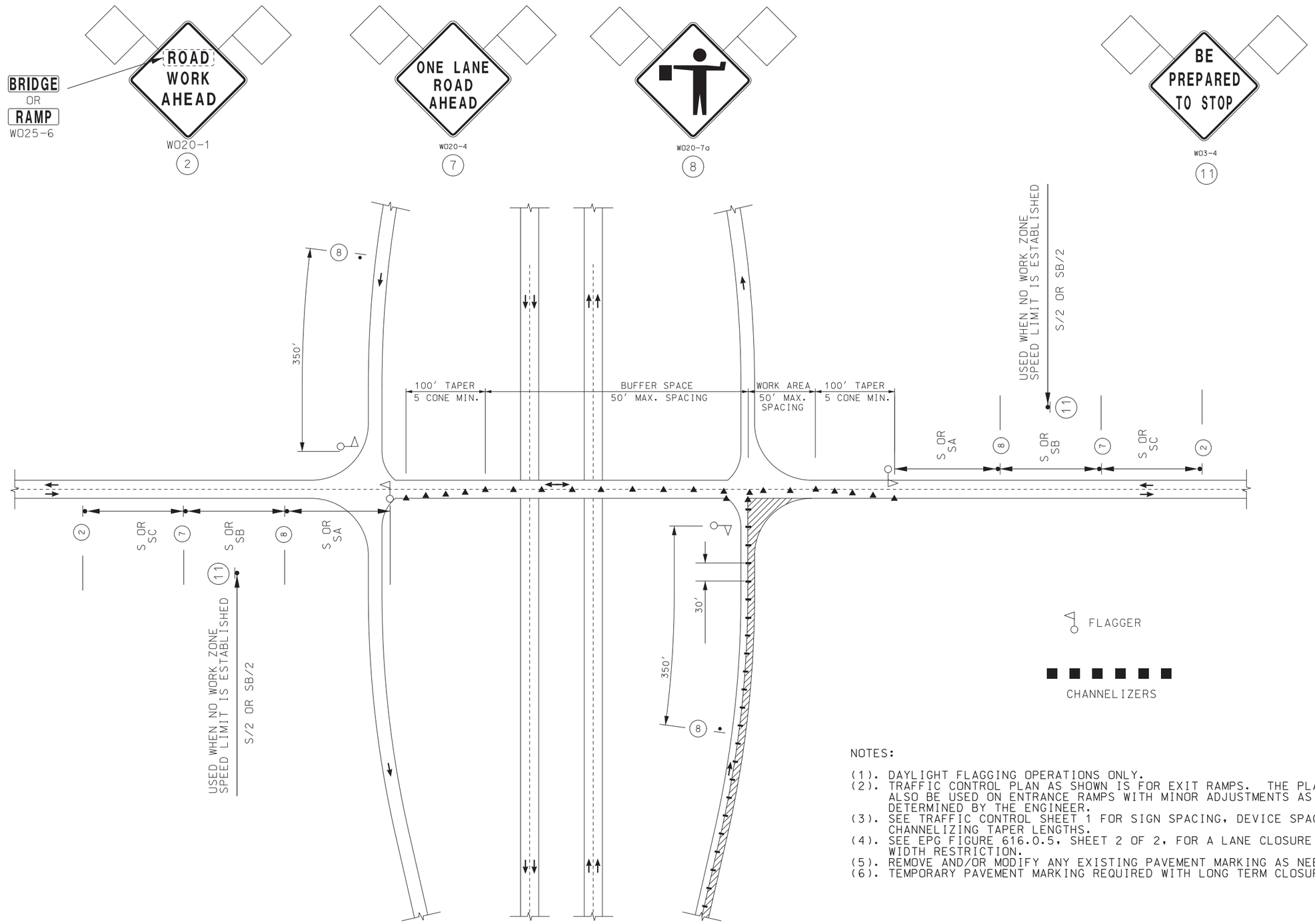
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	7/16/2020
ROUTE	I-70
STATE	MO
DISTRICT	KC
SHEET NO.	22
COUNTY	JACKSON
JOB NO.	J4I3222
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)



NOTES:

(1). DAYLIGHT FLAGGING OPERATIONS ONLY.
(2). TRAFFIC CONTROL PLAN AS SHOWN IS FOR EXIT RAMPS. THE PLAN SHALL ALSO BE USED ON ENTRANCE RAMPS WITH MINOR ADJUSTMENTS AS DETERMINED BY THE ENGINEER.
(3). SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING AND CHANNELIZING TAPER LENGTHS.
(4). SEE EPG FIGURE 616.0.5, SHEET 2 OF 2, FOR A LANE CLOSURE WITH WIDTH RESTRICTION.
(5). REMOVE AND/OR MODIFY ANY EXISTING PAVEMENT MARKING AS NEEDED.
(6). TEMPORARY PAVEMENT MARKING REQUIRED WITH LONG TERM CLOSURES.

TYPICAL RAMP RESURFACING AT INTERCHANGES
TRAFFIC CONTROL
SHEET 8 OF 11

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

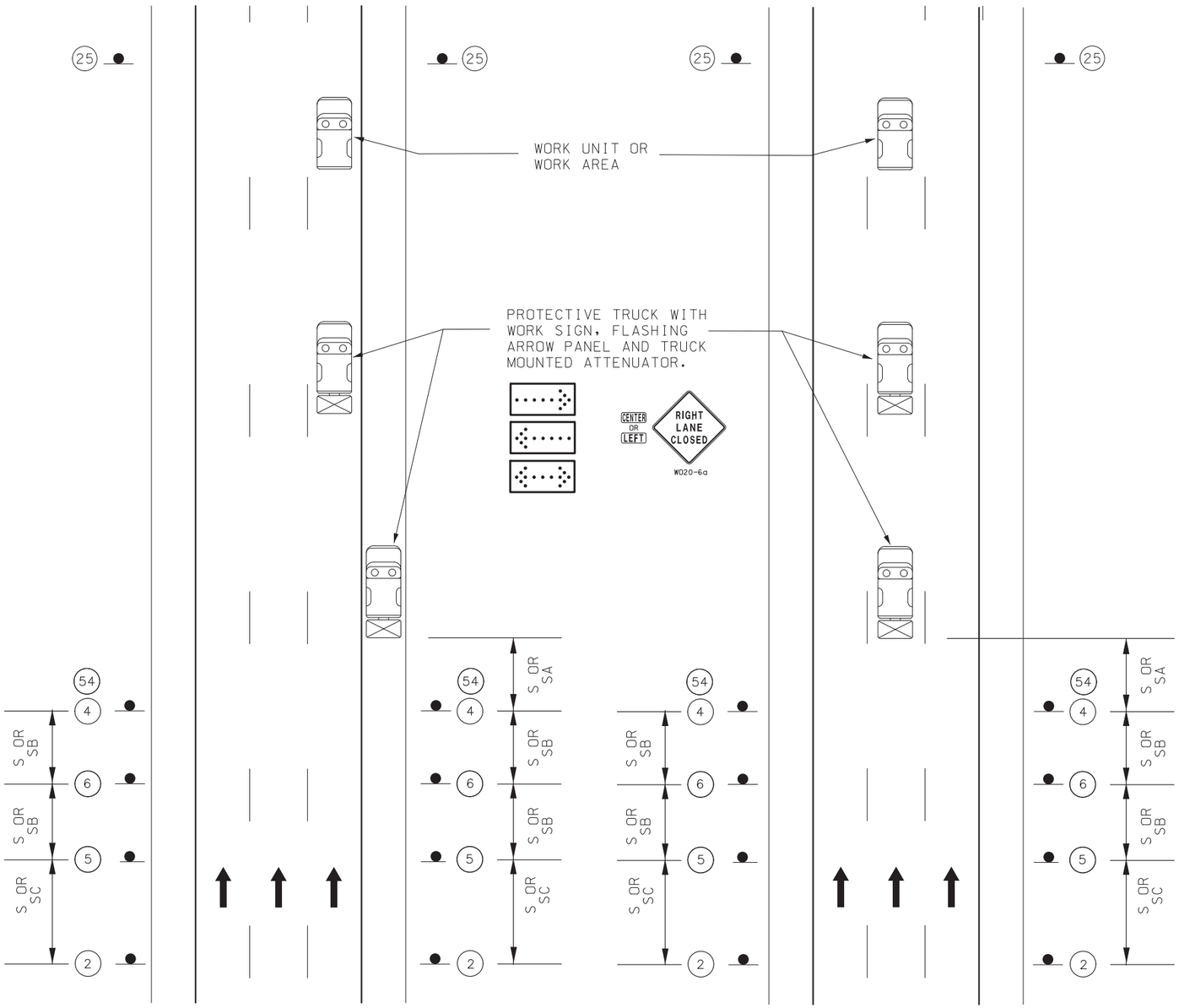
DATE PREPARED	7/16/2020
ROUTE	I-70
STATE	MO
DISTRICT	KC
SHEET NO.	23
COUNTY	JACKSON
JOB NO.	J4I3222
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

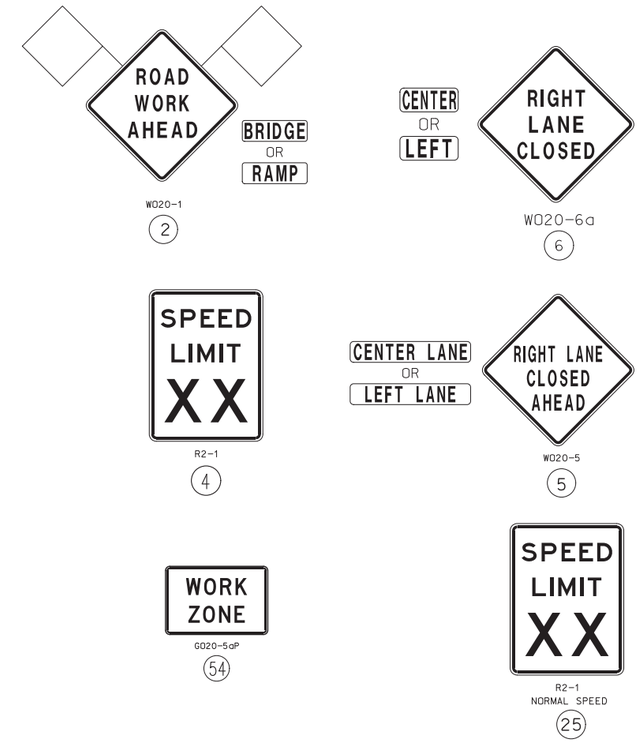
IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

REV.



MOVING OPERATION ON MULTI-LANE DIVIDED HIGHWAY OPEN TO TRAFFIC

TA-35



NOTES:

SEE TRAFFIC CONTROL SHEET 1 FOR WORK ZONE SPEED LIMIT GUIDELINES.

SEE TRAFFIC CONTROL SHEET 1 FOR SIGN SPACING, DEVICE SPACING CHANNELIZING TAPER LENGTHS.

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

PROTECTIVE TRUCK 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, FLASHING, OSCILLATING, OR STROBE LIGHTS.

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

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.

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

MOBILE OPERATION
ON DIVIDED OR
MULTI-LANE HIGHWAYS
TEMPORARY
TRAFFIC CONTROL
SHEET 9 OF 11

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

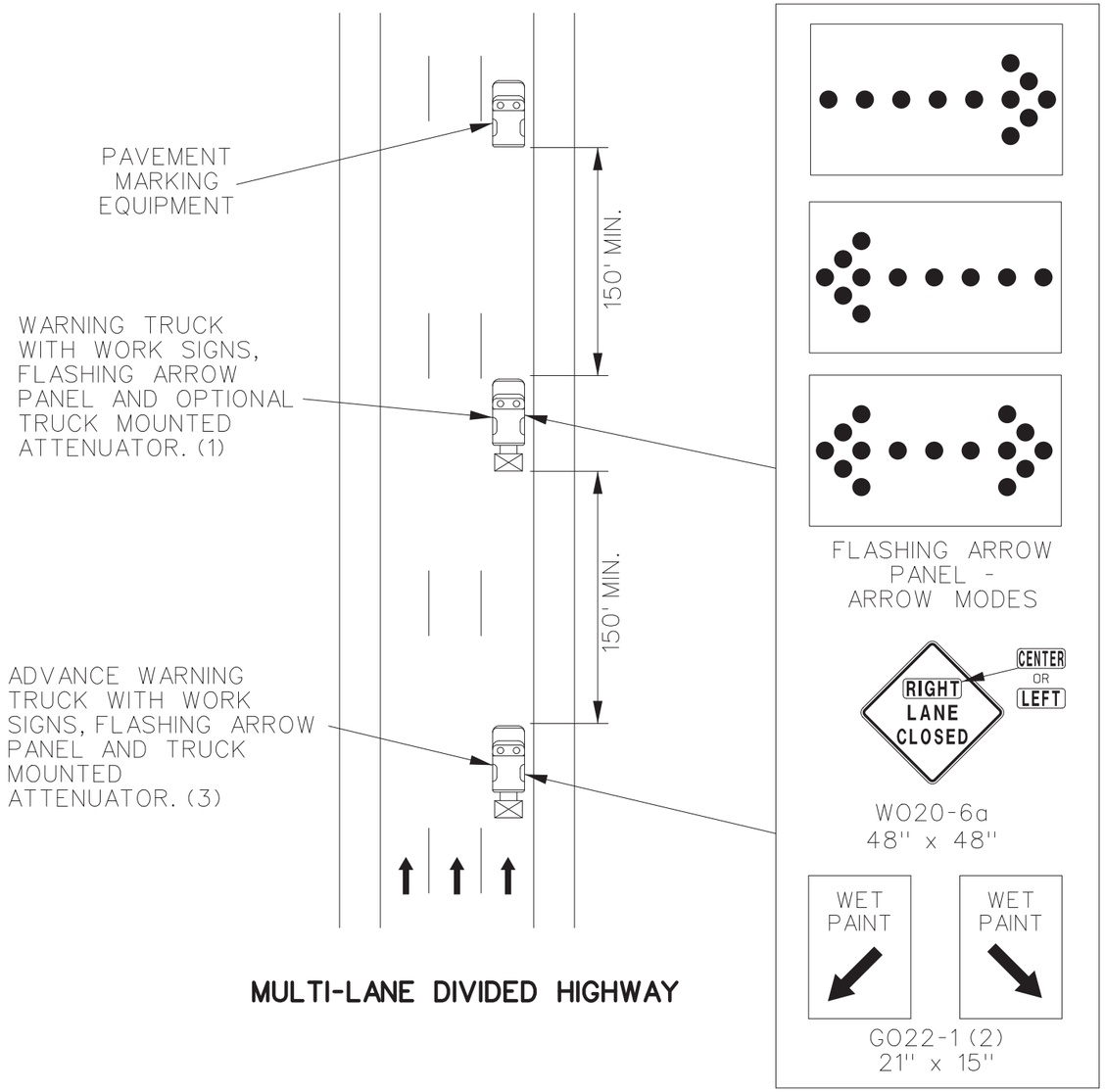
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	7/16/2020
ROUTE	I-70
STATE	MO
DISTRICT	KC
SHEET NO.	24
COUNTY	JACKSON
JOB NO.	J4I3222
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)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



MULTI-LANE DIVIDED HIGHWAY

MOVING OPERATION ON HIGHWAY OPEN TO TRAFFIC

NOTES:

ALL SIGNS HAVE TYPE 3 FLUORESCENT ORANGE RETROFLECTIVE SHEETING.

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

PROTECTIVE TRUCK 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, FLASHING, OSCILLATING, OR STROBE LIGHTS.

(1). TRUCK IS OPTIONAL ON TWO-LANE UNDIVIDED HIGHWAYS IF SIGNING AND ARROW BOARD IS MOUNTED ON THE PAVEMENT MARKING EQUIPMENT.

(2). 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.

(3). ADVANCE WARNING TRUCK IS POSITIONED AT THE NO TRACK POINT OF THE PAVEMENT MARKING MATERIAL OR SPACING SHOWN, WHICHEVER IS GREATER.

TA-17A

MOVING OPERATION
OPEN TO TRAFFIC
TEMPORARY
TRAFFIC CONTROL
SHEET 10 OF 11

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

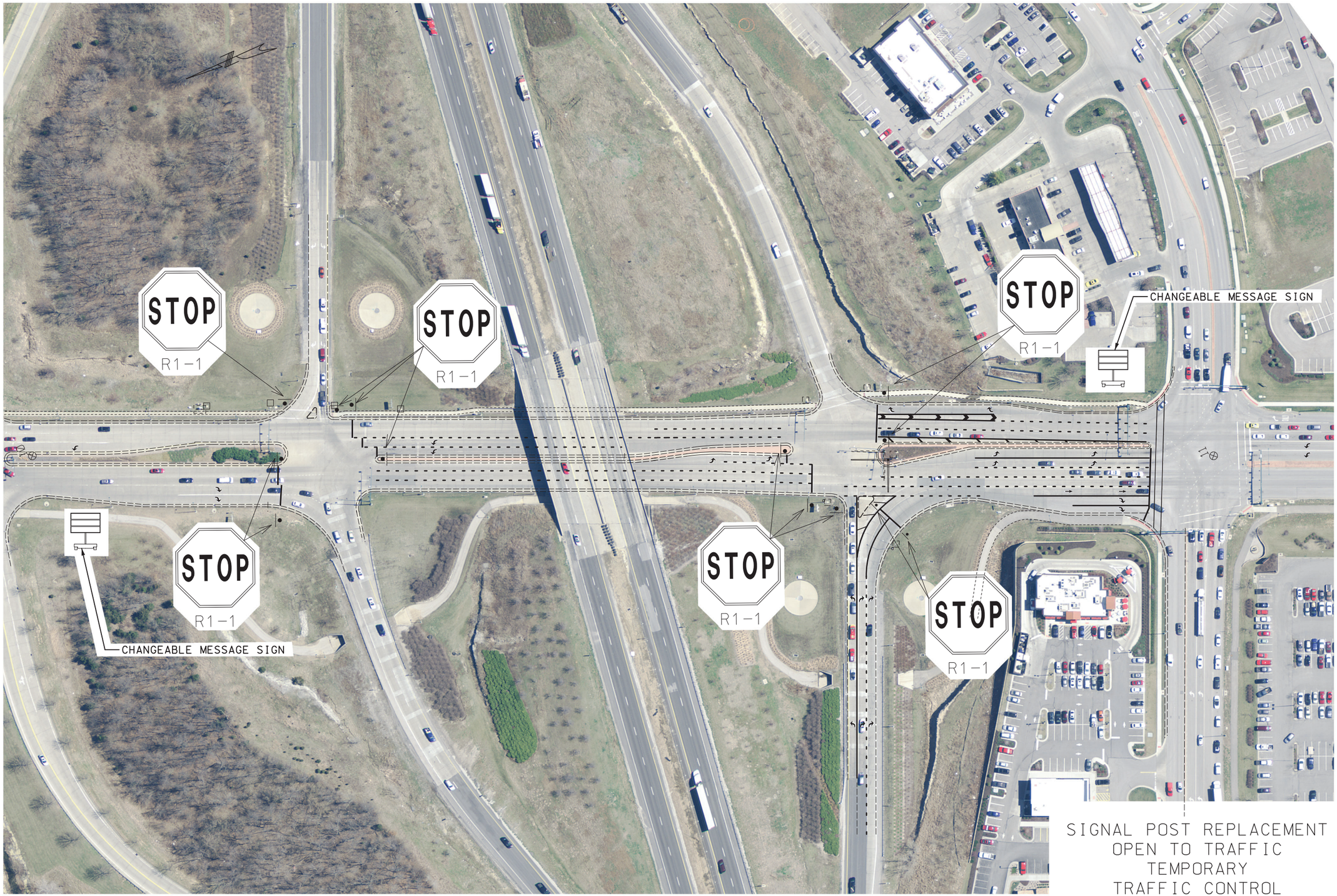
THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	7/16/2020
ROUTE	I-70
STATE	MO
DISTRICT	KC
SHEET NO.	25
COUNTY	JACKSON
JOB NO.	J4I3222
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



SIGNAL POST REPLACEMENT
OPEN TO TRAFFIC
TEMPORARY
TRAFFIC CONTROL
SHEET 11 OF 11

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER
PE-2002003198
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

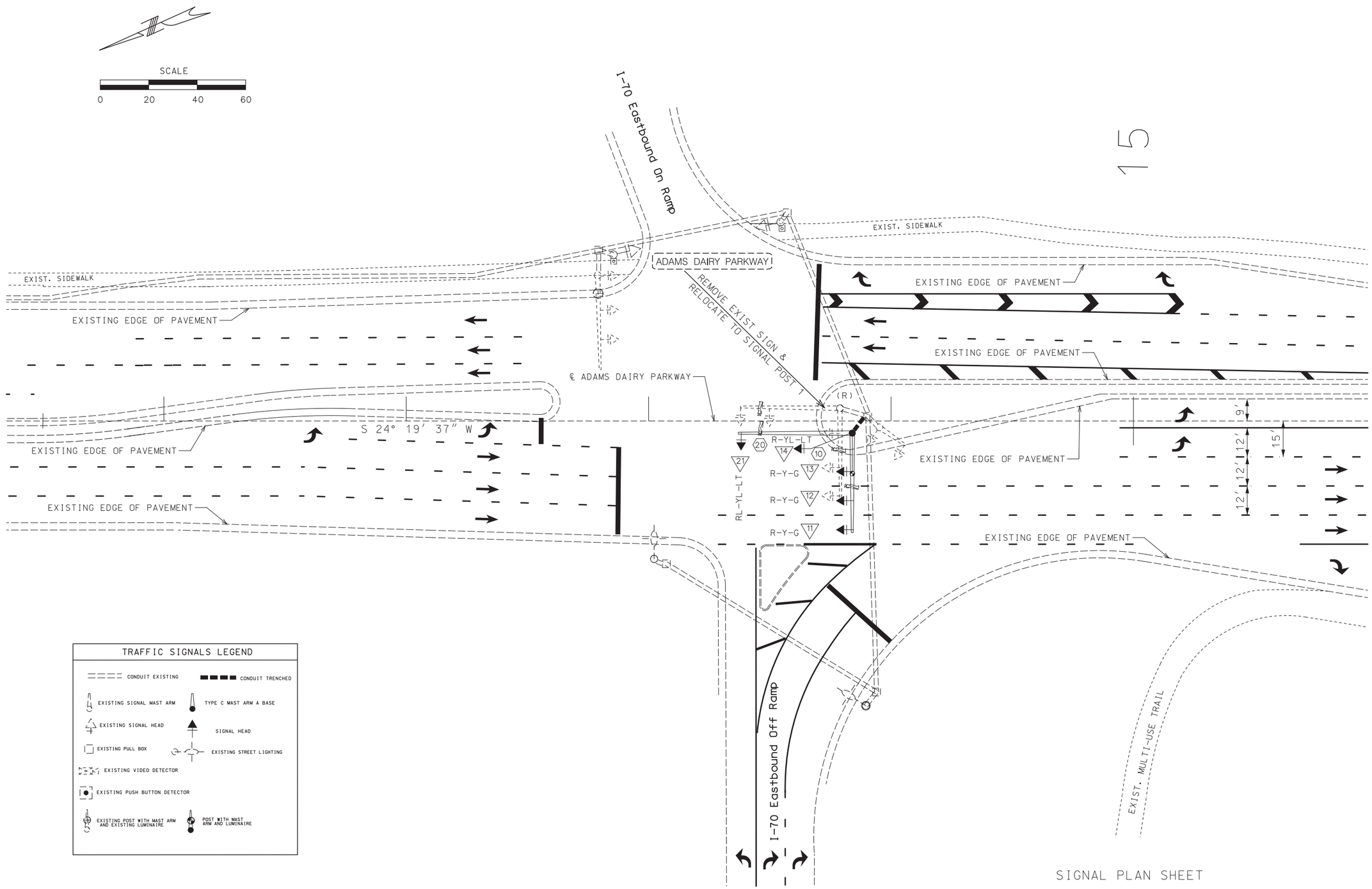
DATE PREPARED	7/16/2020
ROUTE	I-70
STATE	MO
DISTRICT	KC
SHEET NO.	26
COUNTY	JACKSON
JOB NO.	J4I3222
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.



SIGNAL PLAN SHEET
ADAM DAIRY PARKWAY WITH EASTBOUND I-70 RAMPS

15

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	7/16/2020
ROUTE	I-70
STATE	MO
DISTRICT	KC
SHEET NO.	27
COUNTY	JACKSON
JOB NO.	J4I3222
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

DATE	DESCRIPTION

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION
105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MODOT (1-888-275-6636)

EFFECTIVE: 07/01/2018

LOCATION / BASE

POST NUMBER	PULL BOX NUMBER	APPROACH	STATION	OFFSET	BASE A 9	A 9.5	A 10	A 10.5	A 11	A 12	F 9	F 9.5	F 10	F 10.5	F 11	F 12	C	CONCRETE** (CU. YDS.)
			CONTROLLER	(AS REQ'D)														
1		℄ ADAM DAIRY	13+84	5.0' RT.						1								3.7
				SUBTOTAL														3.7
				TOTAL														3.7

PULL BOX

POST NUMBER	PREFORMED CLASS 1	PREFORMED CLASS 2	PREFORMED CLASS 3	PREFORMED CLASS 5	CONCRETE STANDARD	CONCRETE DOUBLE, TYPE A	CONCRETE DOUBLE, TYPE B	DRAIN TYPE* I	DRAIN TYPE* II A	II B	II C
1											
SUBTOTAL											
TOTAL											

POST

POST NUMBER	TOP MOUNT POST 8 FT.	TOP MOUNT POST 15 FT.	TYPE C & CL ARM LENGTH A	A	A	A	SIGNAL SPACING B	C	D	D'	SIGN SPACING B	C	D	D'
1														
SUBTOTAL														
TOTAL														

POST NUMBER	TYPE B & BL ARM LENGTH E	K	E	K	E	K	LEFT ARM E SIGNAL SPACING F	G	H	H'	LEFT ARM E SIGN SPACING F	G	H	H'
1	50	45					47.3							
SUBTOTAL	1	1												
TOTAL	1	1												

POST NUMBER	RIGHT ARM K SIGNAL SPACING L	M	N	N'	RIGHT ARM K SIGN SPACING L	M	N	N'	INCLUDED ANGLE	LUMINAIRE BRACKET ARM* 4 FT.	6 FT.	8 FT.	10 FT.	12 FT.	15 FT.
1	15.4	27.4	39.4		39.4				90						1
SUBTOTAL															
TOTAL															

SIGNAL HEADS

INDICATIONS * — 12" LENS CONVENTIONAL / 12" LENS OPTICAL LIMITING; VISORS *

SPAN NUMBER	POST NUMBER	FACE NUMBER	LUMINAIRE 150W SODIUM	CONV R	RL	Y	YL	YR†	FYL	FYR	G	S	L	R†	PED (symbol)	OL R	Y	YL	YR†	YL	YR†	G	S	L	R†	VISORS 12" LENS	PED.
	1	11	1	1		1					1															3	
	1	12		1		1					1															3	
	1	13		1		1					1															3	
	1	14			1		1						1													3	
	1	21			1		1						1													3	
SUBTOTAL																											
TOTAL																											

FACE NUMBER	LOUVERS * A	B	C	D	E	F	BACKPLATE* LENSES 1	2	3	4	5	RETROREFLECTIVE BACKPLATE* LENSES 1	2	3	4	5	BRACKET* TYPE I	II	III
11									1								1		
12									1								1		
13									1								1		
14									1								1		
21									1								1		

ONE-FACE SECTION / TWO-FACE SECTIONS

FACE NUMBER	1- T	1- S	1- C	1- B	3- T	3- S	3- C	3- B	4- T	4- S	4- C	4- B	5- T	5- S	5- C	5- B	11- T	11- S	11- B	33- T	33- S	33- C	33- B	34- S	34- B	35- S	35- B	44- S	44- B	45- S	45- B
11								1																							
12								1																							
13								1																							
14						1																									
21								1																							
SUBTOTAL OPTICALLY LIMITED																															
SUBTOTAL CONVENTIONAL						1		4																							
SUBTOTAL COMBINATION OL & CONV																															
TOTAL OPTICALLY LIMITED																															
TOTAL CONVENTIONAL						1		4																							
TOTAL COMBINATION OL & CONV																															

SPAN WIRE POLES

POST NUMBER	WOOD CLASS IV	STEEL (A10 BASE REQUIRED)
SUBTOTAL		
TOTAL		

SPAN WIRE CABLE SPANS

SPAN NUMBER	FROM POST	TO POST	SINGLE MESSENGER ASSEMBLY (LIN. FT.)	MESSENGER ASSEMBLY WITH TETHER (LIN. FT.)
		SUBTOTAL		
		TOTAL		

REMARKS

ALL LENGTHS AND SPACINGS ARE IN FEET UNLESS OTHERWISE INDICATED.

* ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.

** SEE STANDARD PLANS 902.10 AND 902.30 FOR CONCRETE REQUIREMENTS ON BASES.

*** USE D3-16 FOR ONE LINE. USE D3-18 FOR TWO LINE.

SIGNAL STRUCTURES WHICH WILL EXCEED THE DIMENSION LIMITS SHOWN ON STANDARD PLAN SHEETS IN SECTION 902 AND ANY OTHER INSTALLATION WHERE THE DETAILS OF CONSTRUCTION ARE NOT FURNISHED IN THE CONTRACT PLANS, SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH THE 2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION, AND LATEST INTERIMS. THE STRUCTURE SHALL BE DESIGNED AS IMPORTANCE CATEGORY I FOR FATIGUE WITH A 50-YEAR DESIGN LIFE. THE CONTRACTOR SHALL SUBMIT A SET OF SHOP DETAIL DRAWINGS INCLUDING WELD PROCEDURE SPECIFICATIONS AND DESIGN COMPUTATIONS FOR MODOT RECORDS AND REFERENCE. THE SUBMITTED DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED IN ACCORDANCE WITH THE LAWS RELATING TO ARCHITECTS AND PROFESSIONAL ENGINEERS (CHAPTER 327, RSMO.), AND SHALL INCLUDE A TITLE BLOCK OR SUMMARY SHEET WHICH LISTS AND CERTIFIES THAT THE PRODUCT MEETS ALL OF THE SPECIFIED DESIGN CRITERIA.

ADAM DAIRY PARKWAY WITH EASTBOUND I-70 RAMPS

INTERSECTION

LEGEND

T - TOP MOUNT
S - SIDE MOUNT
C - SPANWIRE MOUNT
B - MAST ARM MOUNT

D-37A

STATE OF MISSOURI — ALLAN JEFFREY LUDIKER — NUMBER PE-2002003198 — PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED	8/26/2020
ROUTE	I-70
STATE	MO
DISTRICT	KC
SHEET NO.	28
COUNTY	JACKSON
JOB NO.	J4I3222
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)

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

EFFECTIVE: 10-01-2015

CONDUIT (WITH #14 TRACER WIRE)

FROM	TO	CENTER TO CENTER DISTANCE	LOOP DET.	TRENCH				PUSHED			MEDIAN			ON STRUCTURE			REMARKS
			1"	2"	3"	4"		2"	3"	4"	2"	3"	4"	2"	3"		
7	1	9'				10'											
SUBTOTALS																	
TOTALS						10'											

CABLE

FROM	TO	CENTER TO CENTER DISTANCE	POWER		CONTROL				CLOSED LOOP INTERCONNECT	LUMINAIRE		DETECTOR		FIBER		REMARKS
					2c #12	5c #16	7c #16	3c #16	3 PAIR #16	CONTROL 2c #12	POLE & BRACKET 1c #10	1c #14 IN DUCT	2c #14 LEAD-IN CABLE	SINGLE-MODE	MULTI-MODE	
13	12	12'					12'									
12	11	12'					12'									
1	L1	15'									90'					
SUBTOTALS							24'				90'					
TOTALS							30'				90'					

INTERSECTION ADAM DAIRY PARKWAY WITH EASTBOUND I-70 RAMPS

D-37B

STATE OF MISSOURI
ALLAN JEFFREY LUDIKER
NUMBER PE-2002003198
PROFESSIONAL ENGINEER

THIS SHEET HAS BEEN SIGNED, SEALED AND DATED ELECTRONICALLY.

DATE PREPARED 7/16/2020

ROUTE	STATE
I-70	MO

DISTRICT	SHEET NO.
KC	29

COUNTY JACKSON

JOB NO. J4I3222

CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DESCRIPTION	DATE

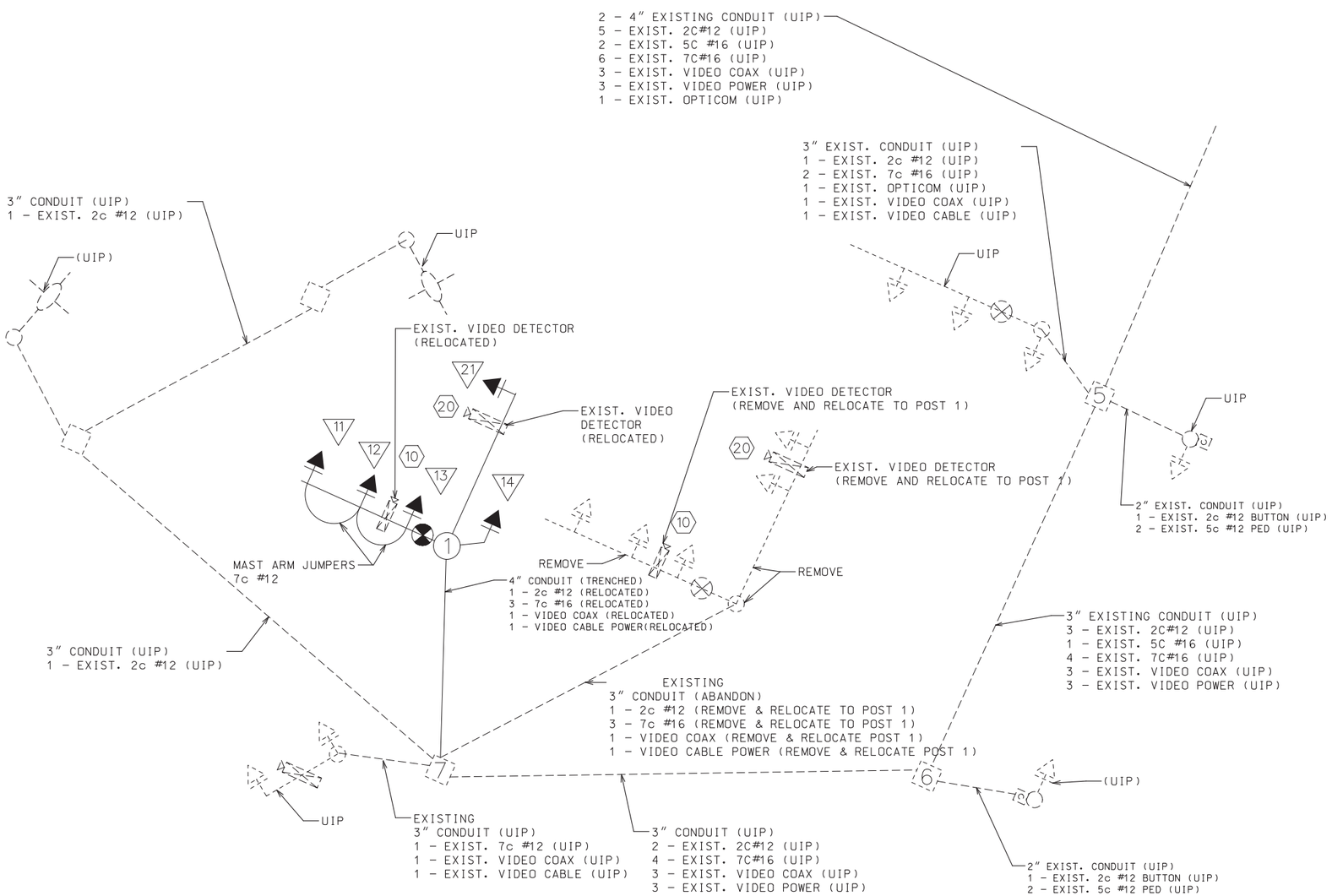
MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

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

IF A SEAL IS PRESENT ON THIS SHEET IT HAS BEEN ELECTRONICALLY SEALED AND DATED.

EFFECTIVE 12-01-17

WIRING DIAGRAM



LEGEND

- 3" CONDUIT CONTAINING CABLE WITH SIZE
- CABLE
- X-Xc MULTI-CONDUCTOR CABLE #16 AWG (UNLESS OTHERWISE INDICATED)
- LIC #14 AWG DETECTOR LEAD-IN CABLE (2C TWISTED SHIELDED)
- POST WITH MAST ARM AND LUMINAIRE WITH NUMBER
- EXISTING PULL BOX WITH NUMBER
- SIGNAL HEAD WITH NUMBER
- EXISTING POST MAST ARM AND LUMINAIRE
- EXISTING SIGNAL HEAD
- EXISTING PUSH BUTTON DETECTOR
- EXISTING VIDEO DETECTOR WITH NUMBER
- EXISTING STREET LIGHTING
- EXISTING PULL BOX

(UIP) - UNIMPROVED

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DATE PREPARED	
7/16/2020	
ROUTE: I-70	STATE: MO
DISTRICT: KC	SHEET NO.: 30
COUNTY: JACKSON	
JOB NO.: J4I3222	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	

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INTERSECTION

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