DESIGN DESIGNATION

A.A.D.T. - 2024 = 940 A.A.D.T. - 2034 = 987 D.H.V. = 7% T = 10% V = 55 M.P.H.

FUNCTIONAL CLASSIFICATION - MINOR COLLECTOR

NO NEW RIGHT OF WAY

D = 50%

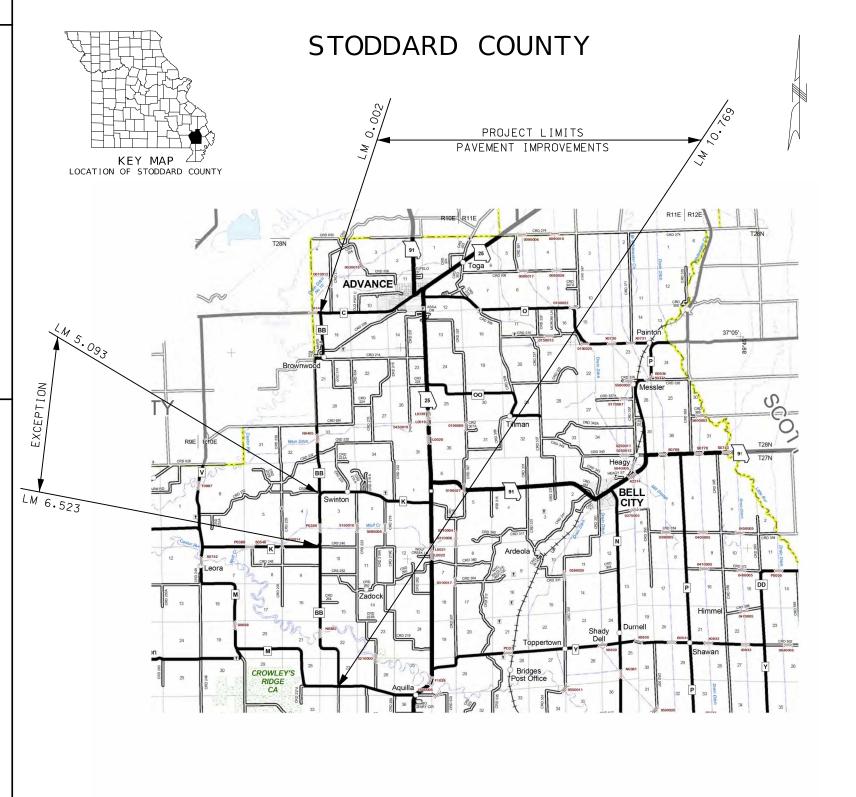
CONVENTIONAL SYMBOLS

(USED IN PLANS)	
	EXISTING	NEW
BUILDINGS AND STRUCTURES GUARD RAIL GUARD CABLE CONCRETE RIGHT-OF-WAY MARKER STEEL RIGHT-OF-WAY MARKER LOCATION SURVEY MARKER UTILITIES	0000	••••
FIBER OPTICS OVERHEAD CABLE TV UNDERGROUND CABLE TV OVERHEAD TELEPHONE UNDERGROUND TELEPHONE OVERHEAD POWER UNDERGROUND POWER SANITARY SEWER STORM SEWER GAS WATER	- FO OTV UTV OT UT OE UE SS G - W - OW	-F0 -OTV -UTV -OT -UT -OE -UE -S -SS -G -W
MANHOLE	SAN)
FIRE HYDRANT	wv C)
WATER VALVE	"`C)
WATER METER)
DROP INLET	Ï	
DITCH BLOCK	=	⊨
GROUND MOUNTED SIGN	SIGN	-
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL FENCE CHAIN LINK WOVEN WIRE GATE POST	—x	
BENCHMARK	ВМ)

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED STATE HIGHWAY



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

INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	1
TYPICAL SECTIONS (TS) (1 SHEET)	2
QUANTITIES (QU) (2 SHEETS)	3
SPECIAL SHEETS (SS)	4 - 5
TRAFFIC CONTROL SHEETS (TC)	6 - 7
BRIDGE DRAWINGS (B)	
B0489	1 - 2
B0488	1 - 2
B0545	1 - 2

PE-20 PE-20 NUM PE-20 NUM NUM NUM NUM NUM NUM NUM NUM NUM NUM	TOPHER
	REPARED
•	/2025
ROUTE	STATE
BB	МО
	SHEET NO.
DISTRICT	
SE	1
SE	1 NTY
SE cou STOD	1 _{NTY} DARD
SE cou STOD	NTY DARD NO.
SE STOD JOB JSE	DARD NO. D122
SE COU STOD JOB JSE(NTY DARD NO. 0122 CCT ID.
SE COU STOD JOB JSE CONTRA	DARD NO. D122 CCT ID.
SE COU STOD JOB JSE CONTRA	NTY DARD NO. 0122 CCT ID.

LENGTH OF PROJECT

BEGINNING OF PROJECT LM 0.002 END OF PROJECT LM 10.769

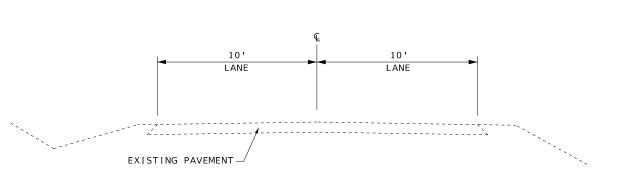
APPARENT LENGTH 10.767 MILES

EQUATIONS AND EXCEPTIONS:

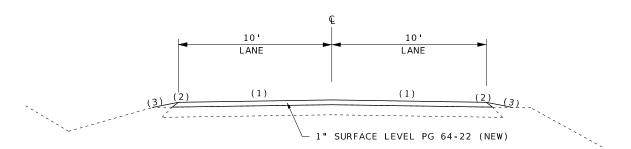
ROUTE K LM 5.093 - LM 6.523 -1.430 MILES



TOTAL CORRECTIONS	-1.430	MILES
NET LENGTH OF PROJECT	9.337	MILES
STATE LENGTH	9.337	MILES
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES	0	ACRES



EXISTING TYPICAL RTE BB



PROPOSED TYPICAL RTE BB

LM 0.002 TO LM 5.093 LM 6.523 TO LM 10.769

NOTES:

ANY EXISTING PAVEMENT SHOWN IS FOR INFORMATIONAL PURPOSES ONLY. LAYERS MAY VARY FROM TYPICALS.

REMOVAL OF VEGETATIVE GROWTH OR SOIL FROM EXISTING PAVEMENT & SHOULDER SURFACE SHALL BE COMPLETELY COVERED BY SEC 407.4.1.

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

- (1) MATCH EXIST CROSS SLOPE
- (2) SAFETY EDGE
- (3) PERMANENT AGG EDGE TREATMENT



DATE PREPARED 12/10/2024

ROUTE STATE
BB MO
DISTRICT SHEET NO.
SE 2

STODDARD

JOB NO.
JSE0122
CONTRACT ID.

PROJECT NO.

BRIDGE NO.

DATE DESCRIPTION

COMMISSION

105 WEST CAPITOL

105 WEST CAPITOL

105 WEST CAPITOL

TYPICAL SECTION SHEET 1 OF 1

	REMO	OVAL OF IMPROVEMEN	NTS - LUMP SUM 1
LM	LOC	DESCRIPTION	REMARKS
2.260	RT	APPROX 60' GUARDRAIL	BR B0489
2.920	RT	APPROX 60' GUARDRAIL	BR B0488
2.940	LT	APPROX 60' GUARDRAIL	BR B0488
		10 OBECT MARKERS	BR B0489(4), BR B0488(2), BR B0405(4)
LOCATIONS	AND QUANTI	TIES ARE APPROXIMATE FOLL	OW SEC 202 30

			Gl	RAVEL	A OR C	CRUSHED STONE E	3
						GRAVEL A OR	
						CRUSHED STONE B	
			LENGTH	WIDTH	DEPTH	1.75 TON/CY	
LM	LM	LOC	FT	FT	IN	REMARKS	
0.002	0.002 1.769 LT & RT 2520 2		2	1	27.2	PRIVATE & COMM ENTRANCE (UNPAVED)	
ADD QUANTITY LT & RT VAR VAR VAR 5.0 ENTRANCES AS DIRECTED BY ENG							
					TOTAL	33	

					CC	DLDMILLING		
						COLDMILLING		
						DEPTH	COLDMILLING	
			LENGTH	WIDTH	DEPTH	TRANSITIONS	≤3"	
LM	LM	LOC	FT	FT	IN	SY	SY	REMARKS
0.002	0.021	Œ	100	VAR	VAR	111.1	335.0	BEGIN PROJECT
2.255	2.293	Œ	201	LM	VAR	244.4	246.9	B0489
2.932	2.962	Œ	158	22	VAR	244.4	141.8	B0488
3.547	3.615	Œ	359	22	VAR	611.1	633.1	N0405
8.891	8.941	Œ	264	22	VAR	611.1	400.9	B0545
10.750	10.769	Œ	100	22	VAR	111.1	135.0	END PROJECT
5.074	5.093	Œ	100	VAR	VAR	111.1	305.0	RTE K
6.523	6.542	Œ	100	VAR	VAR	111.1	360.0	RTE K
ADD QUAN	TITY	LT & RT	VAR	VAR	VAR	40.0		ENTRANCES AS DIRECTED BY ENGINEER
					TOTAL	2196	2558	

							GUARD	RAIL			
				МС	GS	CRASH	WORTHY	MODIFIED	MODIFIED		
				BRIDGE	6 '	END TE	RMINAL	LINEAR	SHAPING	18"	
				APPROACH	POST	TYPE A	TYPE C	GRADING	SLOPES	GROUP B	
				TRANSITION	GUARDRA I L	(MASH)	(MASH)	CLASS II	CLASS III	PIPE	
LM	LM	BR#	OFFSET	EACH	FT	EACH	EACH	STA	100 FT	FT	REMARKS
	2.255	B0489	RT	1	87.5	1			1.8		
	2.255	B0489	LT	1		1			0.9		
2.293		B0489	RT	1		1			0.9		
2.293		B0489	LT				1	0.5	0.3	15.0	LINEAR GRADING FOR DRIVEWAY ADJUSTMENTS
	2.932	B0488	RT	1	12.5	1			1.0		
	2.932	B0488	LT	1		1			0.9		
2.962		B0488	RT	1		1			0.9		
2.962		B0488	LT	1	12.5	1			1.0		
	8.891	B0545	RT	1	87.5	1			1.8		
	8.891	B0545	LT	1		1			0.9		
8.941		B0545	RT	1		1			0.9		
8.941		B0545	LT	1	87.5	1			1.8		
			TOTAL	11	288	11	1	0.5	14	15	
CEE CED	606 01 50	OR CRADIA	IG LIMITS	USE PREFERRED	CDADING UNITED	OTHERWICE	NOTED OR	ABBROVED BY E	NCINEED		

SEE STD 606.81 FOR GRADING LIMITS. USE PREFERRED GRADING UNLESS OTHERWISE NOTED OR APPROVED BY ENGINEER.
ANY ADDITIONAL MATERIAL AND LABOR REQUIRED TO INSTALL PER MANUFACTURER'S RECOMMENDATION SHALL BE CONSIDERED
COMPLETELY COVERED BY THE ABOVE PAY ITEMS. SEE SPECIAL SHEETS FOR ADDITIONAL DETAIL.

					BITUMI	NOUS P	AVEMENT	•	
						SURFACI	LEVEL		
						PG 6	4-22	TACK	
			LENGTH	WIDTH	DEPTH	2.034	TON/CY	0.08 GAL/SY	
LM	LM	LOC	FT	FT	IN	CY	TON	GAL	REMARKS
0.002	0.021	Œ.	100	VAR	1	12.39	25.20	35.7	BEGIN PROJECT
0.021	5.074	Œ.	26680	20.00	1	1646.91	3349.81	4743.1	2 - 10' LANES
5.074	5.093	Œ.	100	VAR	1	6.84	13.91	19.7	RTE K INTERSECTION
6.523	6.542	Œ.	100	VAR	1	11.56	23.51	33.3	RTE K INTERSECTION
6.542	10.750	Œ.	22218	20.00	1	1371.48	2789.59	3949.9	2 - 10' LANES
10.750	10.769	Œ.	100	VAR	1	13.09	26.63	37.7	END PROJECT
ADD QL	JANTITY	LT & RT	VAR	VAR	VAR		124.57		2% FOR SAFETY EDGE
0.020	10.769	LT & RT	2400.00	2.00	1	14.81	30.12		PRIVATE & COMM ENTRANCE (NON-PAVED)
0.020	10.769	LT & RT	640.00	10.00	3	59.26	120.53		COUNTY RD & CITY ST (NON-PAVED)
0.020	10.769	LT & RT	120.00	2.00	1	0.74	1.51	2.1	PRIVATE & COMM ENTRANCE (PAVED)
ADD QL	JANTITY	LT & RT	VAR	VAR	VAR		15.00		ENTRANCES AS DIRECTED BY ENGINEER
ADD QL	JANT I TY	Œ.	49298.00	VAR	VAR		933.67		100 TON/MI IRREGULARITIES
						TOTAL	7454.1	8822	

					EMULSIFIED		
					ASPHALT	SEAL COAT	
					SEAL COAT	AGGREGATE	
			LENGTH	WIDTH	(0.4 GAL/SY)	GRADE B1	
LOG MI	LOG MI	LOC	FT	FT	GAL	SY	REMARKS
2.264	2.284	CL	105.6	20.0	93.9	234.7	BRIDGE #B0489
2.941	2.953	CL	63.4	20.0	56.4	140.9	BRIDGE #B0488
3.571	3.591	CL	105.6	20.0	93.9	234.7	BRIDGE #N0405
8.900	8.932	CL	169.0	20.0	150.2	375.6	BRIDGE #B0545
				TOTAL	394	986	

MOBILIZATION - LUMP SUM 1

	I	PERMA	NENT AGO	GREGATI	E EDGE	TREATMENT	
						PERM AGG EDGE	
						TREATMENT	
			LENGTH	WIDTH	DEPTH	1.7 TON/CY	
LM	LM	LOC	FT	FT	IN	TONS	REMARKS
0.002	5.093	LT	26880.48	2	3	423.12	
0.002	5.093	RT	26880.48	2	3	423.12	
6.523	10.769	LT	22418.88	2	3	352.89	
6.523	10.769	RT	22418.88	2	3	352.89	
			LINEAR G	RADING F	R DRIVEW	AY ADJUSTMENTS	
					TOTAL	1552.1	
APPL I CAT	ION RATE	MAY BE	ADJUSTED AS	APPROVE	D BY ENGI	NEER	·

	WAT	ERBORNE PA	A I NT	TYP	E 1 PREFOR	RMED		
	YEL	LOW	WHITE	М	ARKING TAI	ARKING TAPE		
	4"	4"	4"	24"	4"	4" YELLOW LF 6000		
	SOLID	INTER	SOLID	WHITE	WHITE	YELLOW		
LOC	LF	LF	LF	LF LF	LF			
RTE BB	34431	9583	98599	144	1200	6000		
TOTAL	44	014	98599	144	1200	6000		

CHRISTOPHER CHOCKER NUMBER NUM

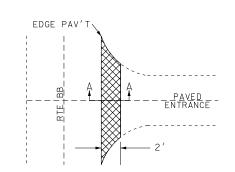
ISSOURI HIGHWAYS AND TRANSPORTATION D
COMMISSION

105 WEST CAPITOL
1-888-ASK-MODOT (1-888-275-6636)

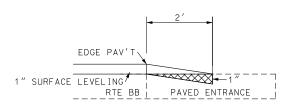
SUMMARY OF QUANTITIES SHEET 1 OF 2

SIZE AREA OTY AREA RELOG RELOG NUM. DESCRIPTION SIGNS SIZE AREA OTY TOTAL RELOG RELOG NUM. DESCRIPTION NUMBER OTY OTAL NUMBER OTY DESCRIPTION NUMBER OTY DESCRIPTION NUMBER OTY DESCRIPTION NUMBER OTH OTAL		ITOTAL	L OTV I	TOTALICION	T	П	1	Г	I LOTY	/ ITOTALICIO		П	T	FFFCTIVE: 07 01 2024	1
Col.	6.75 4554	TOTAL		TOTALSIGN			6,75	1	I I -			, ,	I TOTAL	EFFECTIVE: 07-01-2024	OF Mison
1.		1 ' 1						1 '		1 1		H			THE
Col.	SIGN IN SQ FT				DESCRIPTION	SIGN	IN.	SQ FT EAC			DESCRIPTION	! ———	QTY		E S CHRISTOPHER . €
Total Color			IING SI	I GNS					GUIDE S	SIGNS					NUMBER :
## 15 19 19 19 19 19 19 19							-								PE-2016017611
Column C															THE SOUND ENGLIS
Color Colo															THE WALL
Column C															12/30/2024 4:20:40 PM
Month Control Contro															CHRISTOPHER CROCKER - CI
Section 1.6						1									DATE PREPARED
Col.															12/17/2024
Color Colo									9.00						
March 1,000						11						l — — — —			
Color Colo															
Column C						11					· ·	l — — — —			
March 1970															STODDARD
Column C					· · ·	11						l — — — —			JOB NO.
1.75 1.75													80		JSE0122
Column C						MO4 - 10R	48X18	6.00	DECLU ATOR	V S I SNS	DETOUR ARROW (RIGHT)	11			CONTRACT ID.
Miles March Marc						ll			REGULATOR	Y SIGNS	10-00				
Section March						11									PROJECT NO.
10 10 10 10 10 10 10 10						11	-								
Color 1, 1, 1, 1, 2, 3, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,						11						l — — — —			BRIDGE NO.
Model 16 Co															
\$2.5 5.600 1.000					·							6161095			.
Section 1985 1988							-					_,			lacksquare
Miles 14-00 Miles Mile											·	6161096			.
10.00 1.00							-								 _
Ministration Mini												6161098	4		 8
MATERIAL MATERIAL MATERIAL NATIONAL NATION					,										I E
90.21 48581 5.00							-								
March Marc						1							1		
SCORE 1.60												6162002			<u> </u>
Second S												II			lacksquare
903-29 (2012) 1. 2012 1.					1 1							6173600	7		.
Mining M												II			lacksquare
MOST						1							3		.
98.5.2 48548 18.29															<u> </u>
						11						6175010	4		
993-1 (2004 5.00 5.							-								
98-15 38-48 5-,08 5-,08 5-,08 5-,08 5-,09 5-,00 5-,000 5-												6176000	3		┠╅
1989 16,90						R9-9	24X12	2.00							ON JOL
MR-16 SAMA 10.00														*	T10,
100-72 357-38 0.00						R9-11L	24X18	3.00					4		1 <u>†</u>
98-39 893-59 0.00							1								TS TS
98-98 8848 15.00 1.00						11			1		,	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING	NS N
989-11 48848 6.00 0 12 192.00									12.00			1	_		AN
WORLD STAND 1.00 0 6 96.00 NO CENTER LINE R11-39 0x330 12.90 LOCAL TRAFFIC CONFY CONFY						R11-2	48X30	10.00				6122040	2		l⊬z ⁻ -5
W08-157 49X48 16.00						 						II		, , ,	0 0 8
WOS-15 48X45 16.00												6122041	4	RELOCATION	SS .
MOBILITY 48748 16.00 SHOULDER ROPO-OFF 157MBOL LEFT CONST.37 SCX12 4.67 SPEEDING/PASSING (PLATE)						1	-								Is E -
MOS-17P GEXAS 16.00 SHOULDER DION-OFF (FYNBOL RICHT) MISCELLANEOUS SIGNS MOS-17P GEXAS 12.00 SHOULDER DION-OFF (FURBOL RICHT) MISCELLANEOUS SIGNS MOS-17P GEXAS MOS-17													1		
Wid9-17 30X24 5.00 SHOULDER DROP-OFF (PLADUE) CONST-S 48X36 12.00 POINT OF PRESENCE					* * * * * * * * * * * * * * * * * * * *	CONST - 3	56X12				SPEEDING/PASSING (PLATE)	μ			1 ≧ ° ∪ `\
## WID-1 42RMD 9.62									MISCELLANEC	OUS SIGNS					
W012-1 24X24 4.00							-								: '↓/ ///
## WO12-22 4848 16.00							-								I≒ / 0 /// I
## W012-22 24X19 3.00						CONST - 8	48X36	12.00 2	24.00		WORK ZONE NO PHONE ZONE				1 3 1 7 (C 1
WOI2-2-0 12/05/00 50.00 C C C C C C C C C															🗸 🛴
WOI2-5 120X60 50.00															ا الله
WOIST 10X60 SO 0.0					· · · · · · · · · · · · · · · · · · ·										
MO16-2 30X24 5.00 C C C C C C C C C															1
NO16-2 30X24 5.00															1
MO16-3 30X24 5.00 C C C C C C C C C															1
WO20-1 48X48 16.00 8 128.00 ROAD/BRIDGE/RAMP WORK AHEAD ROAD/BRIDGE/RAMP WORK AHEA															1
W020-2 48X48 16.00															S
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NOZ0-4]			I
WO20-5 48X48 16.00						4				T					
WO20-5a 48X48 16.00								N SIGNS	816						
WO20-3a 48X48 16.00															l ∂∑.
WO20-7a 48X48 16.00 6 96.00 FLAGGER (SYMBOL) WO21-2 36X36 9.00 FRESH OIL WO21-5 48X48 16.00 SHOULDER WORK / SHOULDER WORK AHEAD WO22-1 48X48 16.00 BLASTING ZONE AHEAD WO22-2 42X36 10.50 END BLASTING ZONE WO22-3 42X36 10.50 END BLASTING ZONE WO22-3 42X36 10.50 END BLASTING ZONE WO22-3 42X36 10.50 END BLASTING ZONE WO23-3 42X36 10.50 END BLASTING ZONE WO24-3 42X36 10.50 END BLASTING ZONE WO25-3 42X36 10.50 END BLASTING ZONE	WO20-5a 48X48 16.00				2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD	RELOCA	TED S	I GNS		0					
WO20-7a 48X48 16.00 6 96.00 FLAGGER (SYMBOL) WO21-2 36X36 9.00 FRESH OIL WO21-5 48X48 16.00 SHOULDER WORK / SHOULDER WORK AHEAD SE STANDARD PLANS 616.20 FOR ADDITIONAL TRAFFFIC CONTROL PLANS WO22-1 48X48 16.00 BLASTING ZONE AHEAD WO22-2 42X36 10.50 END BLASTING ZONE WO22-3 42X36 10.50 END BLASTING ZONE WO22-3 42X36 10.50 END BLASTING ZONE WO22-3 42X36 10.50 WO22-3 42X36					RIGHT/CENTER/LEFT LANE CLOSED					_					l 유
W022-1 48X48 16.00 BLASTING ZONE AHEAD MO22-2 42X36 10.50 END BLASTING ZONE W022-3 42X36 10.50 END BLASTING ZONE W022-3 42X36 10.50 END BLASTING ZONE W023-3 42X36 10.50 END BLASTING ZONE W024-3 42X36 10.50 END BLASTING ZONE W025-3 42X36 10.50 END BLASTING Z	WO20-7a 48X48 16.00	6 96.00			FLAGGER (SYMBOL)]									× = =
W022-1 48X48 16.00 BLASTING ZONE AHEAD MO22-2 42X36 10.50 END BLASTING ZONE W022-3 42X36 10.50 END BLASTING ZONE W022-3 42X36 10.50 END BLASTING ZONE W023-3 42X36 10.50 END BLASTING ZONE W024-3 42X36 10.50 END BLASTING ZONE W025-3 42X36 10.50 END BLASTING Z	WO21-2 36X36 9.00				FRESH OIL	NOTE:									SH. SH.
WO22-2 42X36 10.50	WO21-5 48X48 16.00				SHOULDER WORK / SHOULDER WORK AHEAD	SEE ST	ANDARE	D PLANS 6	16.20 FOR A	DDITIONAL	TRAFFFIC CONTROL PLANS.				 ₩
WO22-3 42X36 10.50 END BLASTING ZONE	WO22-1 48X48 16.00				BLASTING ZONE AHEAD	NO DIR	ECT PA	AY FOR RE	LOCATION OF	CONSTRUCT	ION SIGNS.				∑
	WO22-2 42X36 10.50				TURN OFF 2-WAY RADIO AND PHONE]									l S
GO22-1 21X15 2.19 2 4.38 WET PAINT (ARROW PIVOTS)	WO22-3 42X36 10.50				END BLASTING ZONE]									1
	GO22-1 21X15 2.19	2 4.38			WET PAINT (ARROW PIVOTS)										1
· ·		'				-									ĺ

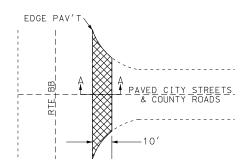
BEGIN PROJECT BEGIN EXCEPTION END EXCEPTION CHRISTOPHER CROCKER NUMBER EOP RTE K (LM 5.093) 12/10/2024 `MILL/FILL ВВ MO SE 4 _MILL/FILL MILL/FILL STODDARD JSE0122 CONTRACT ID. EOP RTE C (LM 0.002) PROJECT NO. EOP RTE K (LM 6.523) BRIDGE NO. PLAN VIEW AT RTE C PLAN VIEW AT RTE K PLAN VIEW AT RTE K 1" SURFACE LEVELING TRANSITION TRANSITION LEVELING TRANSITION EXISTING 1" EXISTING ASPHALT PAVEMENT AGGR BASE ASPHALT PAVEMENT ASPHALT PAVEMENT AGGR BASE AGGR BASE EOP RTE K EOP RTE C EOP RTE K TYPICAL TYPICAL TYPICAL RTE BB RTE BB RTE BB END PROJECT EOP RTE M (LM 10.769) MILL TO TOP OF BRIDGE DECK CHIP SEAL & 1" OVERLAY TRANSITION TRANSITION 1" SURFACE LEVELING 1" SURFACE LEVELING MILL/FILL EXISTING PAVEMENT AGGR BASE EXISTING PAVEMENT AGGR BASE TYPICAL AT BRIDGE NO405 MILL TO TOP OF BRIDGE DECK DEPTH DEPTH PLAN VIEW AT RTE M 1" OVERLAY TRANSITION TRANSITION 1" SURFACE 1" SURFACE LEVELING LEVELING 1" SURFACE SPECIAL SHEET 1 MILL/FILL MODIFIED COLDMILLING ASPHALT PAVEMENT TYPICAL AT BRIDGE BO489, BO488, BO545 AGGR BASE LOG MILE LOCATIONS APPROXIMATE ADJUST AS DIRECTED BY ENGINEER TO FIT FIELD CONDITIONS. EOP RTE M TYPICAL RTE BB DRAWING NOT TO SCALE



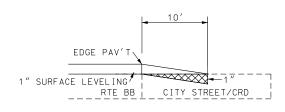
PLAN VIEW FOR PAVED PRIVATE AND COMMERCIAL ENTRANCES



TYPICAL SECTION A-A



PLAN VIEW FOR PAVED CITY STREETS AND COUNTY ROADS



TYPICAL SECTION A-A

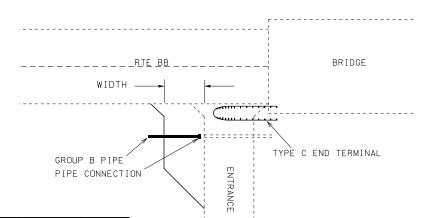
NOTES: WIDEN ENTRANCES TO ALLOW END TERMINAL PLACEMENT.

WIDEN ENTRANCES TO ALLOW A DRIVING SURFACE AT LEAST AS WIDE AS THE ENTRANCE BEFORE THE TYPE C END TERMINAL WAS PLACED.

IF END OF EXIST PIPE IS DAMAGED THEN REMOVE DAMAGED PORTION BEFORE ATTACHING THE NEW PIPE AND COLLAR.

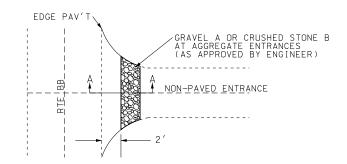
PIPE CONNECTION TO BE PRPOVIDED AT NO DIRECT PAY.

FINAL ENTRANCE WIDTH SHALL BE MAINTAINED AT A MINIMUM OF 20'.

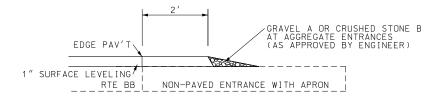


LOG	WIDTH	BRDIGE	LOC
2.293	15	B0489	SE
3.562	15	N0405	NW
3.562	25	N0405	NE
3.6	25	N0405	SW
3.6	25	N0405	SE

PLAN VIEW FOR WIDENING ENTRANCES



PLAN VIEW FOR NON-PAVED PRIVATE AND COMMERCIAL ENTRANCES WITH EXISTING APRON



TYPICAL SECTION A-A

NOTES

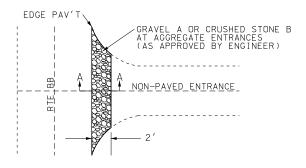
COLDMILLING

ALL GRADING NECESSARY FOR THE PROPER CONSTRUCTION OF HOT MIX AND AGGREGATE APRONS SHALL BE CONSIDERED INCIDENTAL WORK AND AT NO DIRECT PAY.

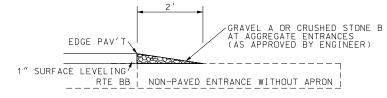
GRADING

GRAVEL A OR CRUSHED STONE B

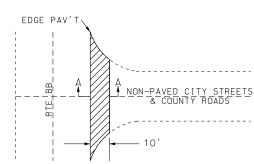
THE WIDTH OF ALL HOT MIX AND AGGREGATE APRONS MAY BE ADJUSTED BY THE ENGINEER AS NECESSARY TO OBTAIN SUITABLE TRANSITIONS.



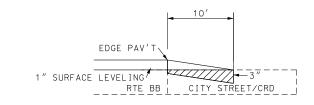
PLAN VIEW FOR NON-PAVED PRIVATE AND COMMERCIAL ENTRANCES WITHOUT EXISTING APRON



TYPICAL SECTION A-A



PLAN VIEW FOR NON-PAVED CITY STREETS AND COUNTY ROADS



TYPICAL SECTION A-A

SPECIAL SHEET 2

CHRISTOPHER CROCKER

NUMBER PE-2016017611

SSONAL ENG

12/17/2024

STODDARD

JOB NO. JSE0122 CONTRACT ID.

PROJECT NO.

BRIDGE NO.

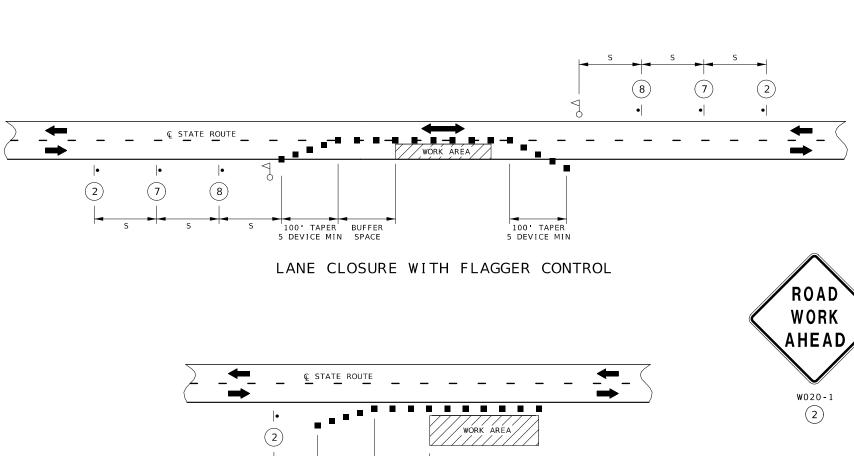
MO SHEET NO

5

BB

SE

DRAWING NOT TO SCALE





W020-1

OAD ORK EAD AHEAD W020-4

7



TRAFFIC CONTROL LEGEND

SIGN (SINGLE SIDED)

CHANNELIZER

FLAGGER

252444545		PACING (1) FT)			
PERMANENT POSTED SPEED (MPH)	NON-DIVIDED HIGHWAYS (S)	DIVIDED HIGHWAYS (S)			
0 - 35	200 FT	200 FT			
40 - 45	350 FT	500 FT			
50 - 55	500 FT	1000 FT			
60 - 70	1000 FT	SA - 1000 FT SB - 1500 FT SC - 2640 FT			

(1) SPACING BETWEEN SIGNS, BETWEEN LAST SIGN AND FLAGGER, BEGINNING OF TAPER OR SIGNED CONDITION. SPACINGS MAY BE ADJUSTED AS NECESSARY TO MEET FIELD CONDITIONS.

	TAPER LENGTH AND SPACING									
PERMANENT	TAPER LENGTH T1	TAPE	R LENGTH L	FOR	BUFFER	CHANNEL I ZER	SPACING (3)			
POSTED SPEED	STED SPEED SHOULDER (1) LATERAL SHIFTS (2			(2)	SPACE	TAPERS	BUFFER SPACE			
(MPH)		10 FT	11 FT	12 FT	LENGTH		WORK AREA			
0 - 35	70 FT	205 FT	225 FT	245 FT	280 FT	35 FT (4)	40 FT (4)			
40 - 45	150 FT	450 FT	495 FT	540 FT	400 FT	40 FT (4)	80 FT (4)			
50 - 55	185 FT	550 FT	605 FT	660 FT	560 FT	50 FT (5)	80 FT (5)			
60 - 70	235 FT	700 FT	770 FT	840 FT	840 FT	60 FT (5)	120 FT (5)			

- (1) SHOULDER TAPER LENGTH BASED ON 10' (STANDARD SHOULDER WIDTH) OFFSET.
- (2) TAPER LENGTHS MAY BE ADJUSTED TO ACCOMMODATE CROSSROADS, CURVES, RAMPS, INTERSECTIONS, OR OTHER GEOMETIC FEATURES.
- (3) SPACING MAY BE REDUCED TO DISCOURAGE TRAFFIC ENCROACHMENT.
- (4) SPACING REDUCED TO ONE-HALF AT INTERSECTIONS.
- (5) SPACING MAY BE REDUCED TO ONE-HALF AT INTERSECTIONS.

	2
	•
© STATE ROUTE	
WORK AREA WORK AREA S	

SHOULDER WORK WITH MINOR ENCROACHMENT

NOTES:

DAYLIGHT FLAGGING OPERATIONS ONLY.

DISTANCE MAY BE ADJUSTED ACCORDING TO FIELD CONDITIONS.

NO PAYMENT WILL BE MADE FOR RELOCATION OF CONSTRUCTION SIGNS.

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

AUTOMATED FLAGGER ASSISTANCE DEVICES AND PORTABLE SIGNAL FLAGGING DEVICES MAY BE USED AS AN ALTERNATIVE FLAGGING OPERATION.

Т1

BUFFER SPACE

SHOULDER WORK

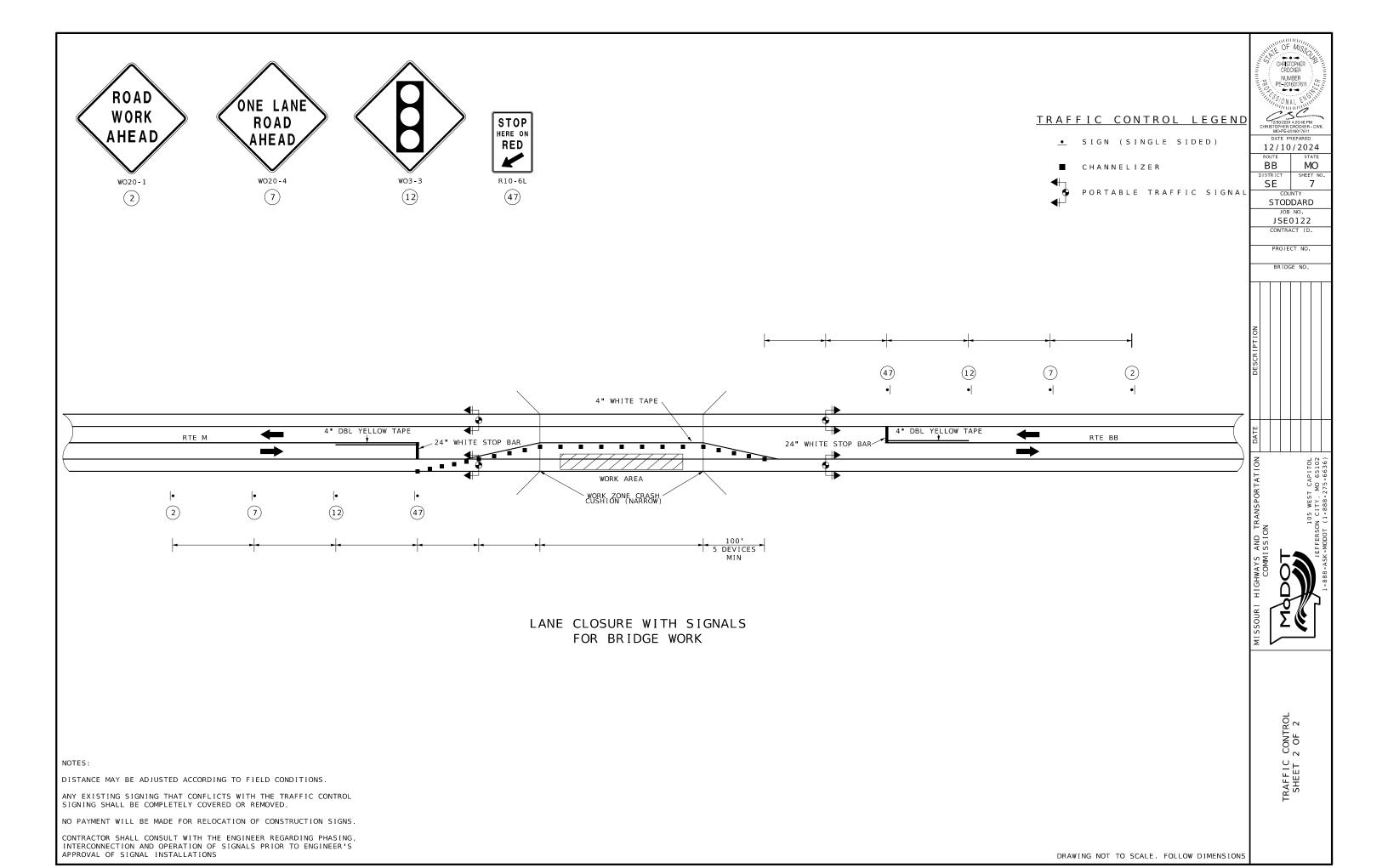
FOR ADDITIONAL TRAFFIC CONTROL PLANS FOR THIS PROJECT, USE STANDARD PLANS 616.20 (SHEETS 1 THROUGH 5).

DRAWING NOT TO SCALE. FOLLOW DIMENSIONS.

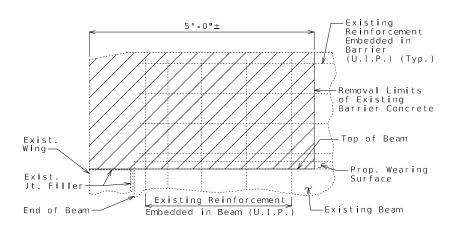
	MITHINE	CHRIS	PE 330, 12/30 STOP MO	HRIST CRO	OPHI CKER 6017 6017 4:23: CROO 01601	01 PM CKER 7611	CIVI	THURST THE TANKE	
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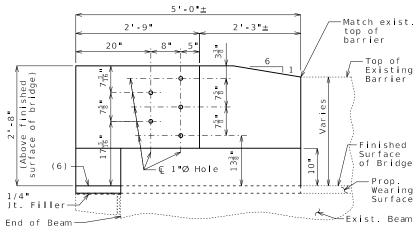
TRAFFIC CONTROL SHEET 1 OF 2



U.I.P. & REHABILITATE EXISTING (60') PRESTRESSED CONCRETE CORED SLAB SPAN (SKEW: SQUARED)



PART ELEVATION SHOWING CONCRETE REMOVAL

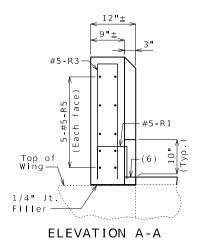


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Estimated Quantities	
I t em	Total
Barrier End Modification each	4

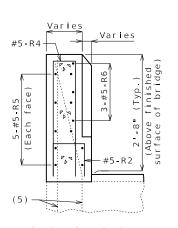
5 - 0 " ± $7\frac{3}{4}$ 3-#5-R4 5-#5-R3 Exist. -Outside 11" Edge of Existing Barrier #5 -R5 Filler and Beam -#5-R5 -2-#5-R5 12" #5-R1 6-#5-R2 PLAN (3)

- C 5'-0"± 7골" 5-#5-R3 3-#5-R4 7_용 " 8" 8" 11" 0 0 Top of Beam Wearing ELEVATION SHOWING REINFORCEMENT (3)



#5-R2 -Top of Beam - Prop

SECTION B-B (4)



(1) Bend in field.

(3) Existing reinforcement not shown for clarity.

(4) Existing longitudinal reinforcement not shown for clarity.

(5) Existing reinforcement

embedded in beam (U.I.P.) (Bend in field as needed) (Typ.)

(6) Fill with mortar or concrete.

(2) 2 Spa. @ $4\frac{1}{2}$ "

SECTION C-C (4)

General Notes:

Design Specifications: 2002 AASHTO LFD (17th Ed.) Standard Specifications

Design Unit Stresses:

Class B-1 Concrete f'c = 4,000 psi Reinforcing Steel (Grade 60) fy = 60,000 psi

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

Miscellaneous:

One lane of traffic shall remain open during construction. See roadway plans for traffic control.

All exposed edges of barrier shall have either a 1/2-inch radius or a 3/8-inch bevel, unless otherwise shown

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

All reinforcement in barrier end modification shall be epoxy coated.

Bars bonded in existing concrete not removed shall be cleanly stripped and embedded into new concrete where possible. If length is available, existing bars shall extend into new concrete at least 40 diameters for plain bars and 30 diameters for deformed bars, unless otherwise noted.

The area exposed by the removal of concrete and not covered with new concrete shall be coated with a qualified special mortar in accordance with Sec 704.

Cost of removing existing barrier concrete, and cost of furnishing and installing new concrete, and cost of furnishing and installing new concrete, new reinforcing steel, and any other work incidental to the barrier end modification, complete in place, will be considered completely covered by the contract unit price for Barrier End Modification.

For details of proposed wearing surface see Roadway Plans (Roadway Item).

REPAIRS TO BRIDGE: B0488 ROUTE BB OVER DRAINAGE DITCH #11

ROUTE BB FROM ROUTE K TO ROUTE C ABOUT 2.2 MILES N OF ROUTE K BEGINNING STATION 99+95.50± (MATCH EXISTING)

BARRIER MODIFICATION FOR GUARDRAIL ATTACHMENT

Wearing

Surface

; Beam

Detailed Oct. 2024 Checked Dec. 2024

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

Sheet No. 1 of 2

S/ONAL 12/19/2024 BB MO SHEET NO

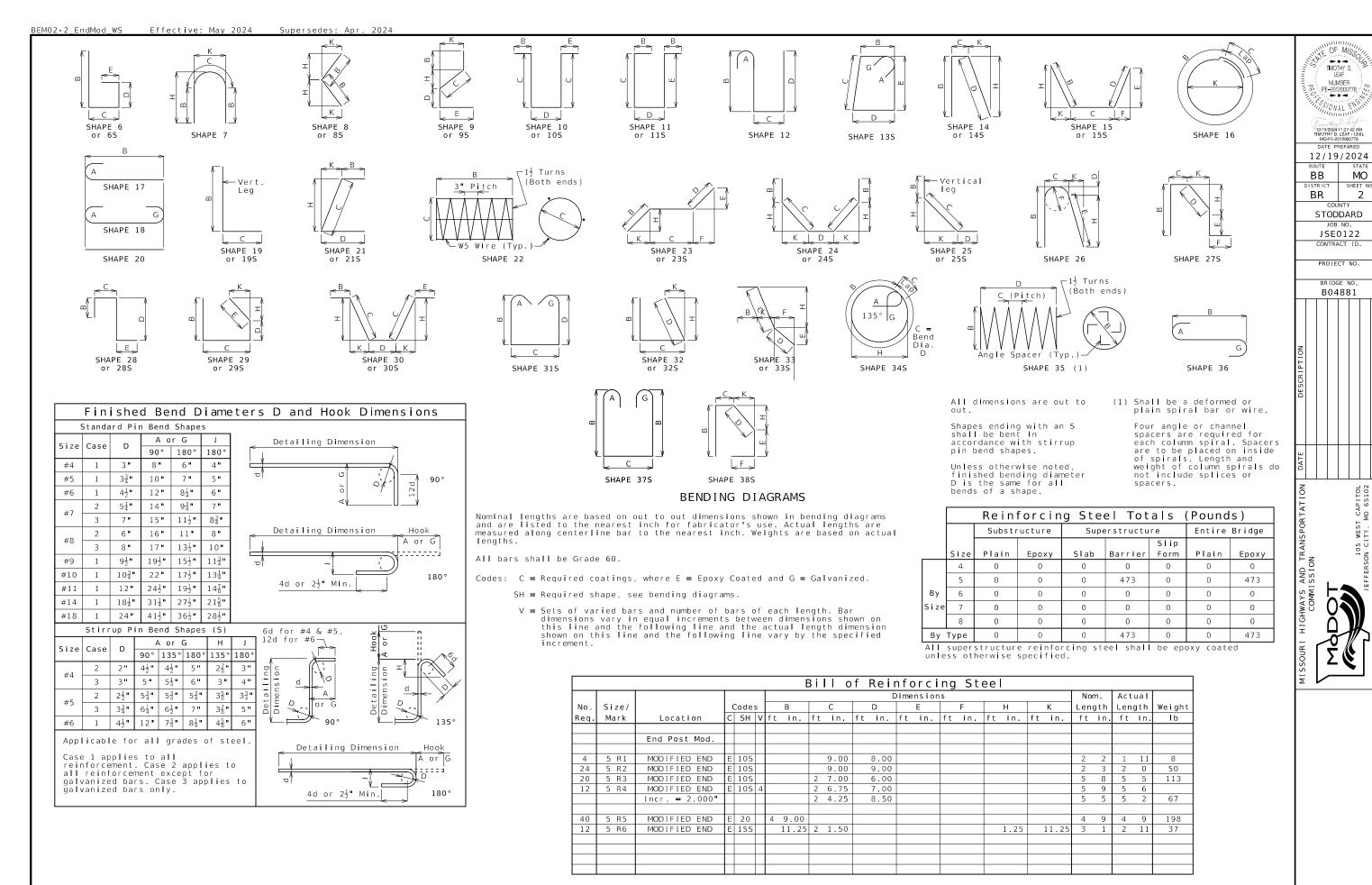
TIMOTHY D. LEAF NUMBER E-201200077

BR 1 STODDARD JSE0122

PROJECT NO.

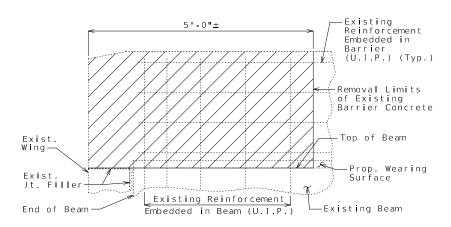
CONTRACT ID.

BRIDGE NO B04881

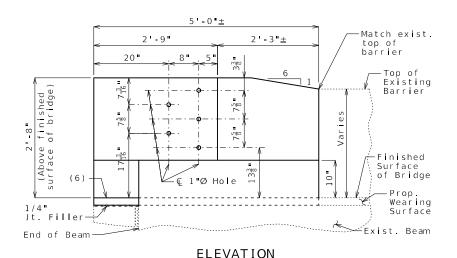


Detailed Oct. 2024

U.I.P. & REHABILITATE EXISTING (75',30') PRESTRESSED CONCRETE CORED SLAB SPAN (SKEW: 30° R.A.)



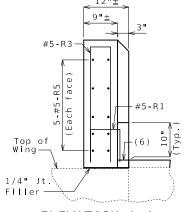
PART ELEVATION SHOWING CONCRETE REMOVAL



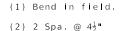
Estimated Quantities	
I t em	Total
Barrier End Modification each	4

5'-0"± 73" 5-#5-R3 3-#5-R4 Exist. -Outside 75" Edge of 1/4" It Barrier Fillerand Beam -#5-R5 -2-#5-R5 └-3-#5-R6 (6) 12" 6-#5-R2

PLAN (3)



ELEVATION A-A



- (3) Existing reinforcement not shown for clarity.
- (4) Existing longitudinal reinforcement not shown for clarity.
- (5) Existing reinforcement embedded in beam (U.I.P.) (Bend in field as needed) (Typ.)
- (6) Fill with mortar or concrete.

General Notes:

Design Specifications: 2002 AASHTO LFD (17th Ed.) Standard Specifications

Design Unit Stresses:

Class B-1 Concrete f'c = 4,000 psi Reinforcing Steel (Grade 60) fy = 60,000 psi

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

Miscellaneous:

One lane of traffic shall remain open during construction. See roadway plans for traffic control.

All exposed edges of barrier shall have either a 1/2-inch radius or a 3/8-inch bevel, unless otherwise shown

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

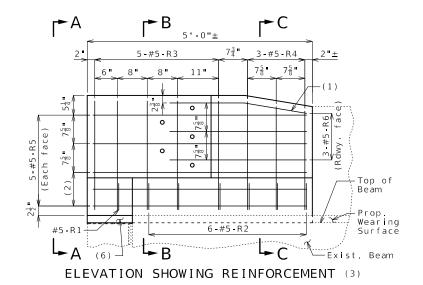
All reinforcement in barrier end modification shall be epoxy coated.

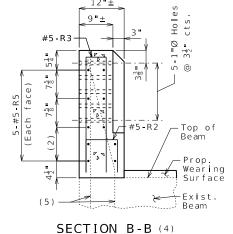
Bars bonded in existing concrete not removed shall be cleanly stripped and embedded into new concrete where possible. If length is available, existing bars shall extend into new concrete at least 40 diameters for plain bars and 30 diameters for deformed bars, unless otherwise noted.

The area exposed by the removal of concrete and not covered with new concrete shall be coated with a qualified special mortar in accordance with Sec 704.

Cost of removing existing barrier concrete, and cost of furnishing and installing new concrete, and cost of furnishing and installing new concrete, new reinforcing steel, and any other work incidental to the barrier end modification, complete in place, will be considered completely covered by the contract unit price for Barrier End Modification.

For details of proposed wearing surface see Roadway Plans (Roadway Item).





(5)-SECTION C-C (4)

BARRIER MODIFICATION FOR GUARDRAIL ATTACHMENT

Detailed Oct. 2024 Checked Dec. 2024

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

Sheet No. 1 of 2

REPAIRS TO BRIDGE: B0488 ROUTE BB OVER LITTLE RIVER

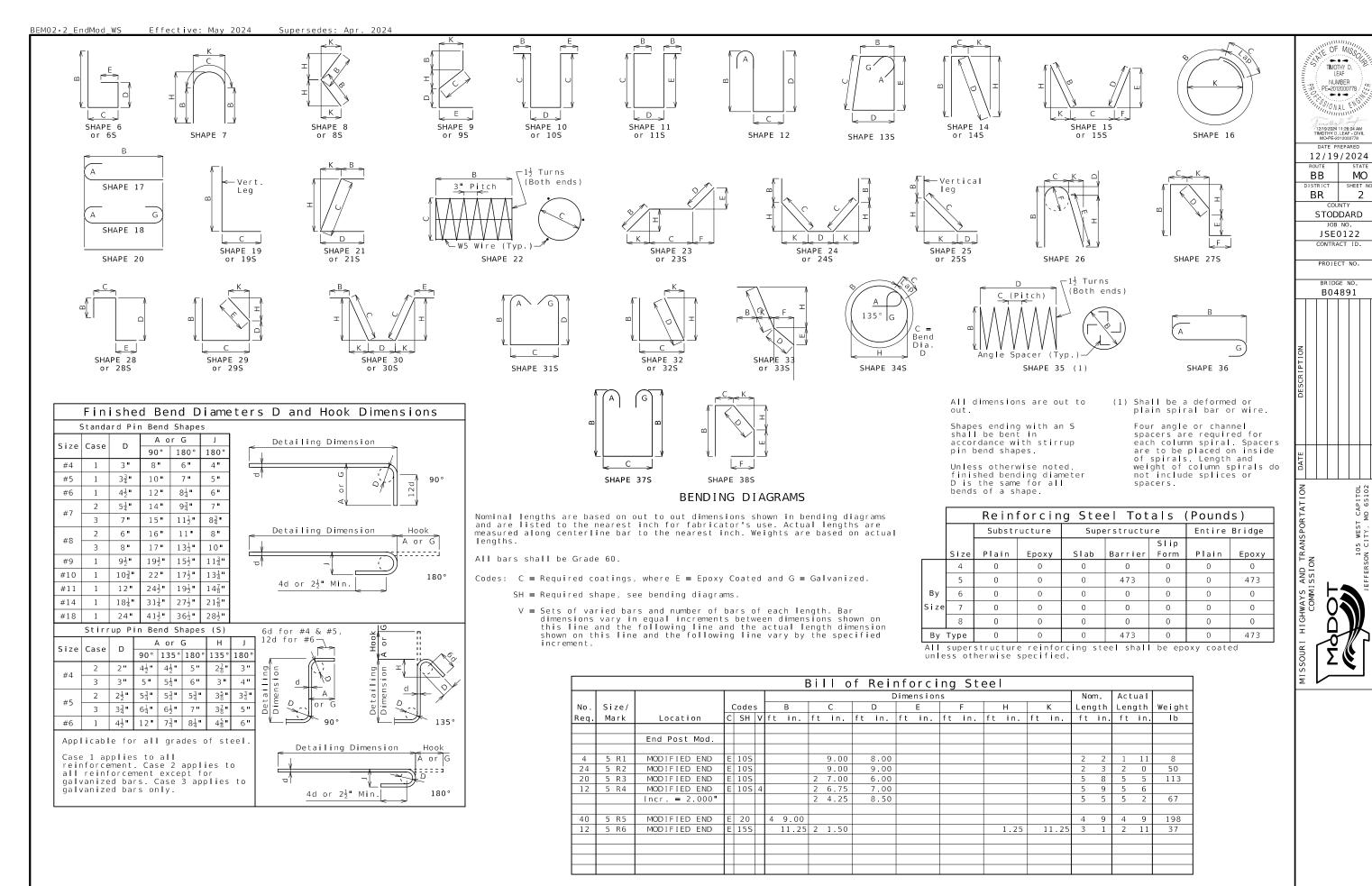
ROUTE BB FROM ROUTE K TO ROUTE C ABOUT 2.8 MILES N OF ROUTE K BEGINNING STATION 99+91.67± (MATCH EXISTING)

NUMBER PE-2012000778

12/19/2024 BB MO SHEET NO BR 1 STODDARD JSE0122

CONTRACT ID. PROJECT NO.

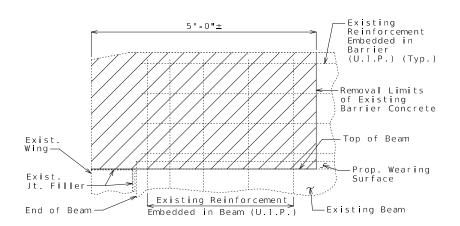
BRIDGE NO B04891



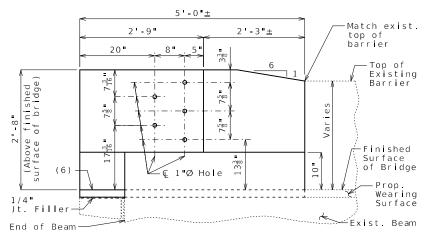
Detailed Oct. 2024

RGE 10E

U.I.P. & REHABILITATE EXISTING (40',40') SIMPLE PRESTRESSED CONCRETE CORED SLAB SPANS & (90') SIMPLE PRESTRESSED CONCRETE BOX BEAM SPAN (SKEW: SQUARED)



PART ELEVATION SHOWING CONCRETE REMOVAL

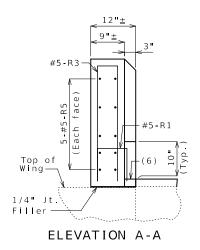


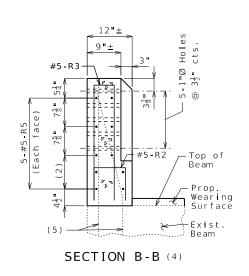
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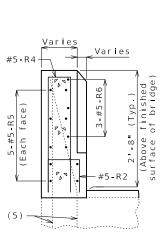
Estimated Quantitie	e s	
I t em		Total
Barrier End Modification	each	4

$7\frac{3}{4}$ 3-#5-R4 5-#5-R3 Exist. 7동 " Edge of Existing Barrier #5 - R5 Filler and Beam -#5-R5 -2-#5-R5 12" #5-R1 6-#5-R2 PLAN (3)

5'-0"± 7골" 5-#5-R3 3-#5-R4 7_용 " 8" 8" 11" 0 0 Top of Beam Wearing ELEVATION SHOWING REINFORCEMENT (3)







(1) Bend in field.

(3) Existing reinforcement not shown for clarity.

(4) Existing longitudinal reinforcement not shown for clarity.

(5) Existing reinforcement

embedded in beam (U.I.P.) (Bend in field as needed) (Typ.)

(6) Fill with mortar or concrete.

(2) 2 Spa. @ $4\frac{1}{2}$ "

SECTION C-C (4)

General Notes:

Design Specifications: 2002 AASHTO LFD (17th Ed.) Standard Specifications

Design Unit Stresses:

Class B-1 Concrete f'c = 4,000 psi Reinforcing Steel (Grade 60) fy = 60,000 psi

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

Miscellaneous:

One lane of traffic shall remain open during construction. See roadway plans for traffic control.

All exposed edges of barrier shall have either a 1/2-inch radius or a 3/8-inch bevel, unless otherwise shown

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

All reinforcement in barrier end modification shall be epoxy coated.

Bars bonded in existing concrete not removed shall be cleanly stripped and embedded into new concrete where possible. If length is available, existing bars shall extend into new concrete at least 40 diameters for plain bars and 30 diameters for deformed bars, unless otherwise noted.

The area exposed by the removal of concrete and not covered with new concrete shall be coated with a qualified special mortar in accordance with Sec 704.

Cost of removing existing barrier concrete, and cost of furnishing and installing new concrete, new reinforcing steel, and any other work incidental to the barrier end modification, complete in place, will be considered completely covered by the contract unit price for Barrier End Modification.

For details of proposed wearing surface see Roadway Plans (Roadway Item)

REPAIRS TO BRIDGE: B0545 ROUTE BB OVER CASTOR RIVER

ROUTE BB FROM ROUTE M TO ROUTE K ABOUT 1.8 MILES N OF ROUTE M BEGINNING STATION 100+13.00± (MATCH EXISTING)

BARRIER MODIFICATION FOR GUARDRAIL ATTACHMENT

Detailed Oct. 2024 Checked Dec. 2024

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

Sheet No. 1 of 2

12/19/2024 BB MO SHEET NO BR 1

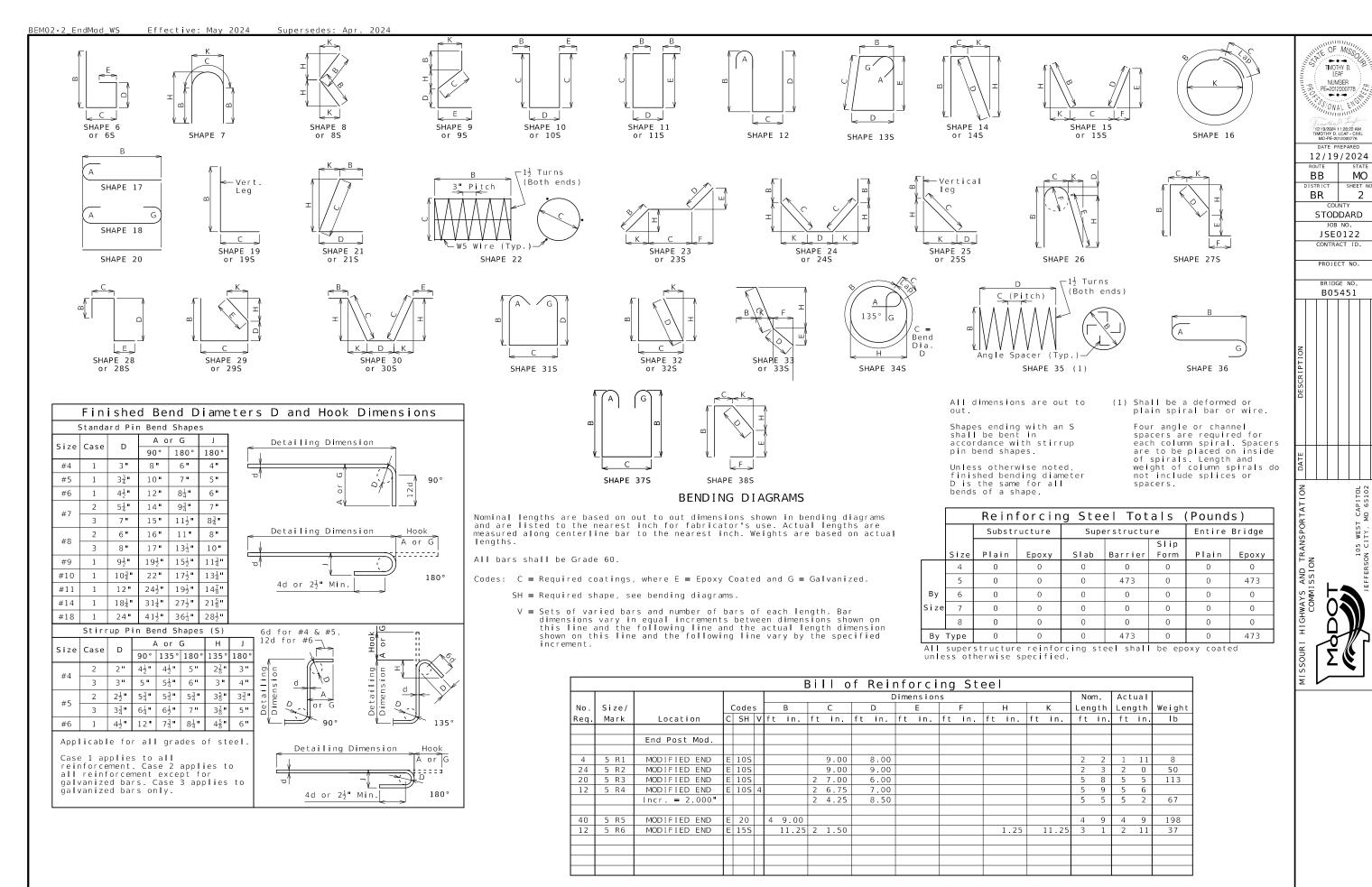
TIMOTHY D. LEAF

NUMBER PE-20120007

STODDARD JSE0122 CONTRACT ID.

> PROJECT NO. BRIDGE NO

B05451



Detailed Oct. 2024