ADRIAN

OLD RTE 71 A.A.D.T. - 2023 = 555 V = 35 M.P.H. FUNCTIONAL CLASSIFICATION - LOCAL

ADRIAN

A.A.D.T. - 2023 = 1541 V = 25 M.P.H. FUNCTIONAL CLASSIFICATION - MAJOR COLLECTOR

BUTLER

BU LOOP 49 A.A.D.T. - 2023 = 7600 V = 35 M.P.H. FUNCTIONAL CLASSIFICATION - MAJOR COLLECTOR

BUTLER

RTE 52 A.A.D.T. - 2023 = 7183 V = 45 M.P.H.

NO NEW R/W REQUIRED

CONVENTIONAL SYMBOLS

(USED IN PLANS	5)	
	EXISTING	NEW
BUILDINGS AND STRUCTURES GUARD RAIL GUARD CABLE CONCRETE RIGHT-OF-WAY MARKER STEEL RIGHT-OF-WAY MARKER LOCATION SURVEY MARKER	0000	••••
UTILITIES FIBER OPTICS OVERHEAD CABLE TV UNDERGROUND CABLE TV OVERHEAD TELEPHONE UNDERGROUND TELEPHONE OVERHEAD POWER UNDERGROUND POWER SANITARY SEWER STORM SEWER GAS WATER	- F0- -OTV- -UTV- - OT - - UT - - OE - - UE - - S - - S - - G - - W -	-0TV -UTV -0T -UT -0E -UE -S -SS -6
MANHOLE	SAN)
FIRE HYDRANT	HYD	Ì
WATER VALVE	wv ww)
WATER METER	₩)
DROP INLET	"[
DITCH BLOCK	=	⊨
GROUND MOUNTED SIGN	SIGN	_
LIGHT POLE		
H-FRAME POWER POLE		
TELEPHONE PEDESTAL FENCE CHAIN LINK WOVEN WIRE GATE POST	PED V X	
BENCHMARK	(&)

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

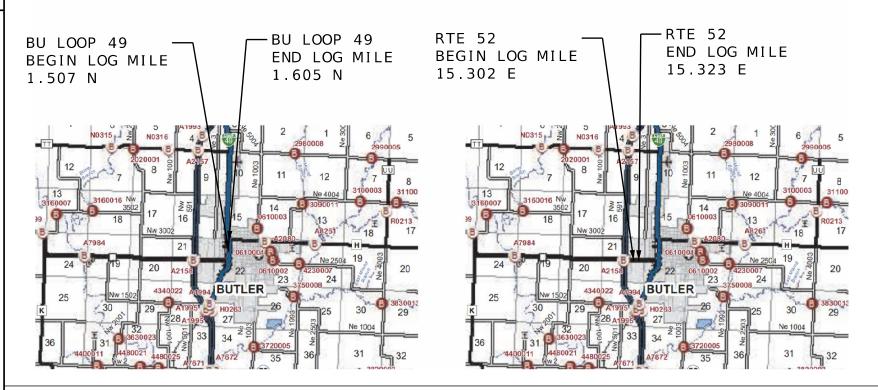
PLANS FOR PROPOSED STATE HIGHWAY

BATES COUNTY





KEY MAP



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 PRETIC 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) (6 SHEETS)	2
OUANTITIES (OU) (2 SHEETS)	3
PLAN (PL)	4-7
TRAFFIC CONTROL SHEETS (TC)	8-10
SIGNAL SHEETS (SG)	11-15
SIGNING SHEETS (SN)	16-17

WESLEY A O'NEAL NUMBER PE-2018021231 WESLEY A O'NEAL WESLEY WESLEY WESLEY A O'NEAL WESLEY												
7/15	DATE PREPARED 7/15/2025											
ROUTE STATE												
VAR MO												
SW	1											
COUNTY BATES												
J7P3												
CONTRA	CT ID.											
DDOLE	CT NO											
PROJECT NO.												
BRIDO	SE NO.											
	•											

LENGTH OF PROJECT

BEGINNING OF OLD RTE 71	LOG MILE - 0.213 S
END OF OLD RTE 71	LOG MILE - 0.234 S
APPARENT LENGTH	110.88 FEET
BEGINNING OF RTE 18	LOG MILE - 20.812 E
END OF RTE 18	LOG MILE - 20.851 E
APPARENT LENGTH	205.92 FEET
BEGINNING OF BU LOOP 49	LOG MILE - 1.507 N
END OF BU LOOP 49	LOG MILE - 1.605 N

APPARENT LENGTH	517.44 FEET						
BEGINNING OF RTE 52	LOG MILE - 15.302 E						
END OF RTE 52	LOG MILE - 15.323 E						
APPARENT LENGTH	110.88 FEET						

EQUATIONS AND EXCEPTIONS: NONE

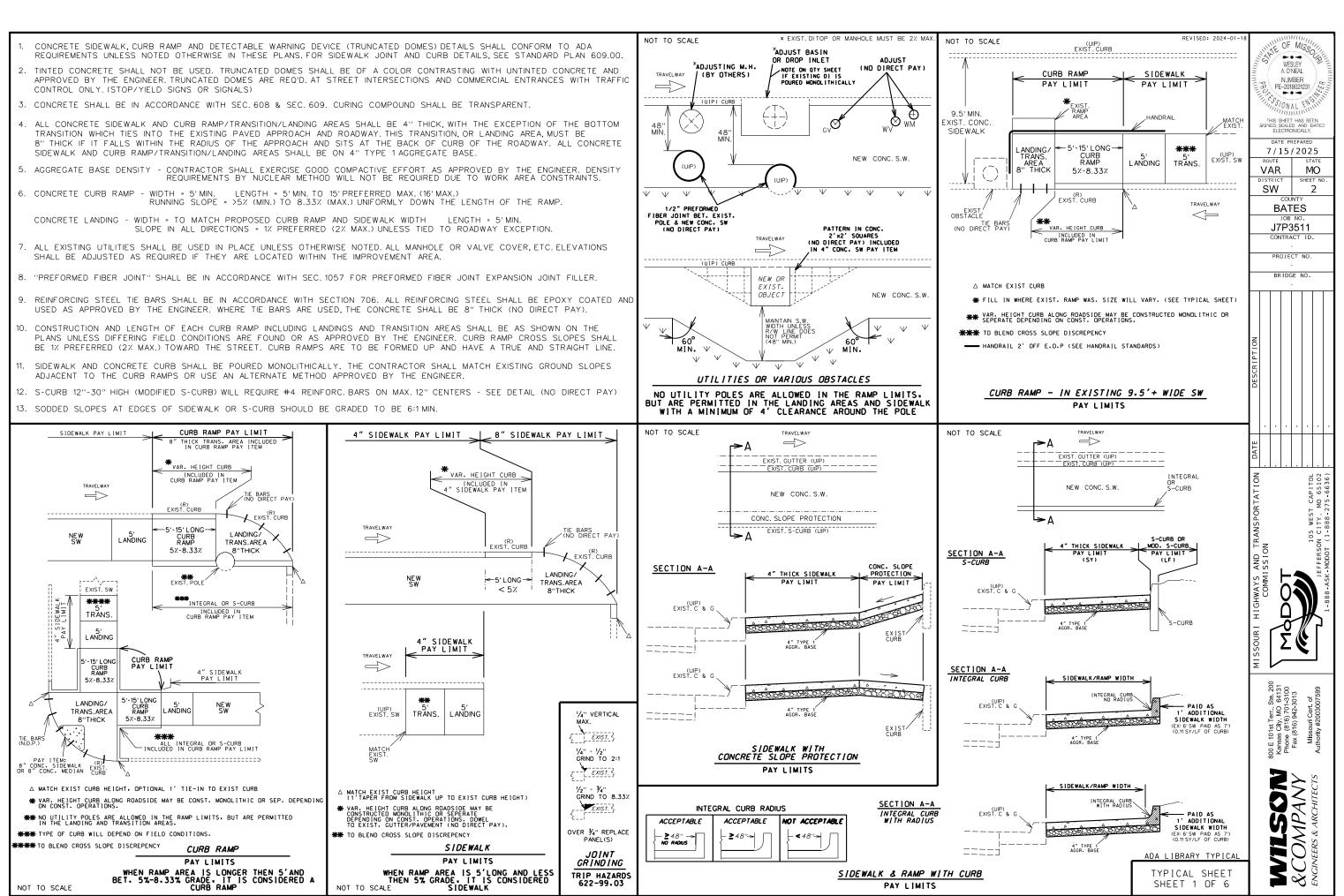
FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES

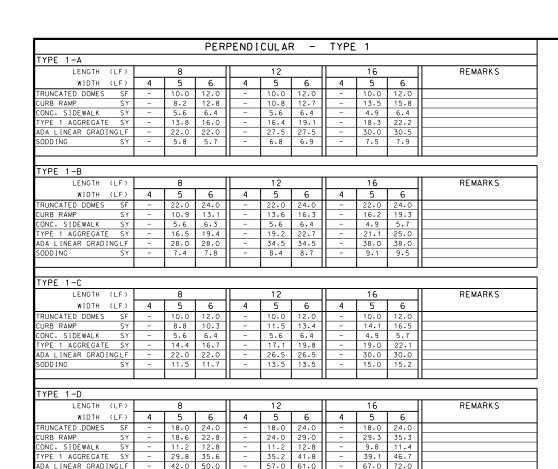
TOTAL CORRECTIONS	0.00 FEET
NET LENGTH OF PROJECT	945.12 FEET
STATE LENGTH	0.179 MILES

800 E 101st Terr., Ste. 200
Kansas City, MO 64131
Phone (816) 701-3100
Fax (816) 942-3013
Missouri Cert. of



0.1 ACRES

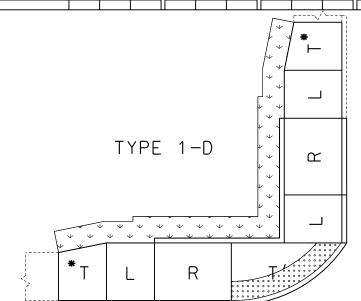


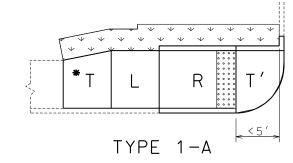


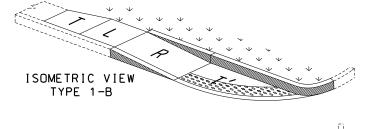
LENGTH (LF)	8				12			16		REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	18.0	24.0	-	18.0	24.0	-	18.0	24.0	
CURB RAMP SY	-	14.8	19.0	-	20.1	25.2	-	25.5	31.4	
CONC. SIDEWALK SY	-	11.2	12.8	-	11.2	12.8	-	9.8	11.4	
TYPE 1 AGGREGATE SY	-	26.0	31.8	-	31.3	38.0	-	35.3	42.8	
ADA LINEAR GRADINGLF	-	43.0	46.0	-	52.0	55.0	-	59.0	62.0	
SODDING SY	-	13.3	13.6	-	16.0	16.9	-	18.6	19.3	

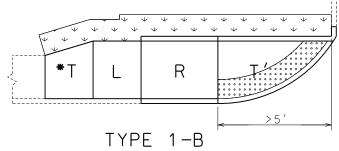
ODDING

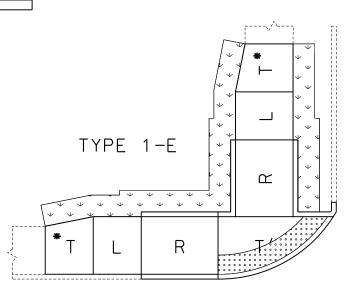
TYPE 1-F												
LENGTH (LF)	LENGTH (LF) 8							16		REMARKS		
WIDTH (LF)	4	5	6	4	5	6	4	5	6			
TRUNCATED DOMES SF	-	14.0	16.0	-	14.0	16.0	-	14.0	16.0			
CURB RAMP SY	-	15.5	19.0	-	20.8	25.2	-	26.2	31.4			
CONC. SIDEWALK SY	-	11.2	12.8	-	11.2	12.8	-	9.8	11.4			
TYPE 1 AGGREGATE SY	-	26.7	31.8	-	32.0	38.0	-	36.0	42.8			
ADA LINEAR GRADINGLF	-	43.0	46.0	-	52.0	55.0	-	59.0	62.0			
SODDING SY	-	18.4	18.8	-	22.4	22.8	-	25.6	25.9			

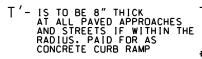












T - TRANSITION TO EXISTING SW OR PAVED APPROACH (LANDING PREFERED AT PAVED APPROACH IF CONDITIONS ALLOW)

REVISED: 2022-05-18

T IS STILL NEEDED EVEN IF THE EXISTING SIDEWALK IS THE SAME WIDTH AS THE NEW SIDEWALK.(IT WILL BLEND THE EXIST XSLOPE INTO THE NEW LANDING XSLOPE)

L - LANDING

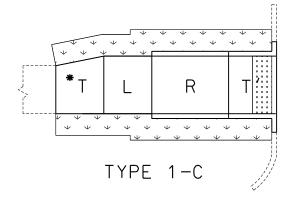
R - RAMP

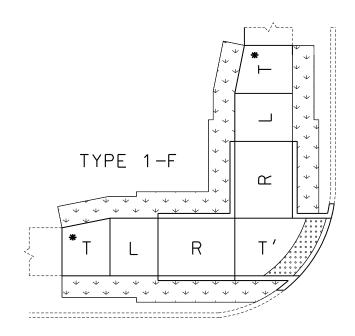
- CURB RAMP PAY LIMITS

- TRUNCATED DOME LOCATION IF DIST. IS < 5' OR >5'

TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING YIELD / STOP SIGNS OR SIGNALS

QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS.





ADA LIBRARY TYPICAL

TYPE 1

PERPENDICULAR CURB RAMPS

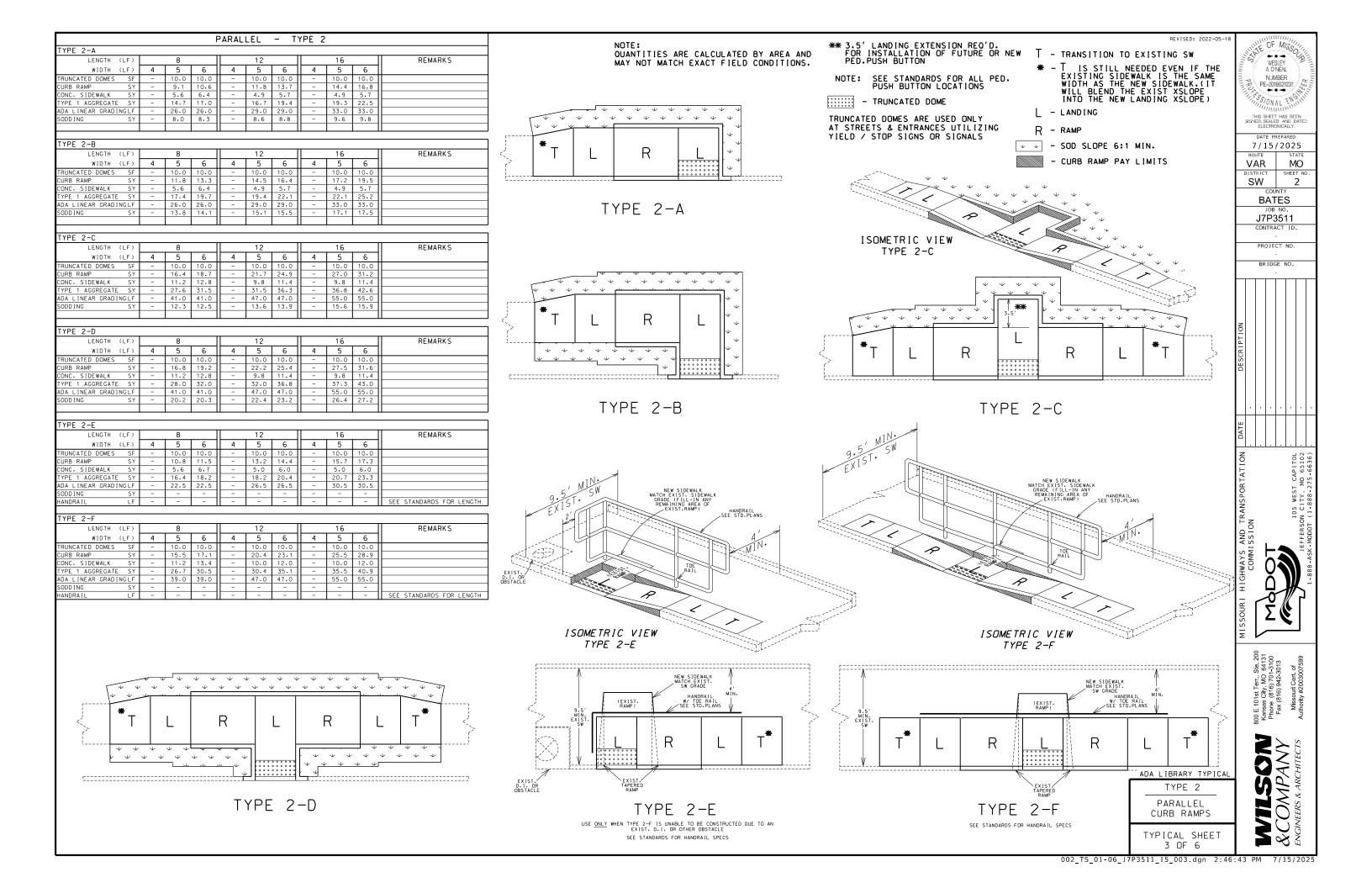
TYPICAL SHEET 2 OF 6

WESLEY A. O'NEAL NJMBER PE-2018021231

THIS SHEET HAS BEEN STONED, SEALED AND DATED ELECTRONICALLY.												
DATE PREPARED 7 / 15 / 2025												
VAR MO												
SW 2												
COUNTY BATES												
јов NO. J7P3511												
CONTRA	CT ID.											
PROJE	CT NO.											
BRIDG	E NO.											

800 E 101st Terr., Ste. 200 Kansas City, MO 64131 Phone (816) 701-3100 Fax (816) 942-3013

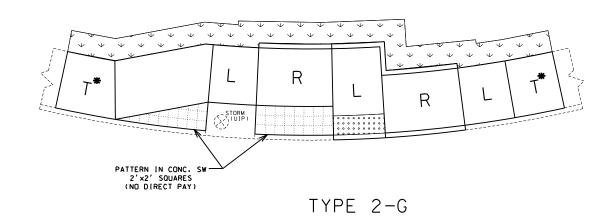
205



PARALLEL - TYPE 2 (cont'd.)											
TYPE 2-G											
LENGTH (LF)	REMARKS										
WIDTH (LF)	4	5	6	4	5	6	4	5	6		
TRUNCATED DOMES SF	-	12.0	12.0	-	10.0	10.0	-	10.0	10.0		
CURB RAMP SY	-	15.7	18.0	-	20.8	23.7	-	25.8	30.2		
CONC. SIDEWALK SY	-	21.4	25.0	-	17.6	20.3	-	15.2	17.5		
TYPE 1 AGGREGATE SY	-	37.1	43.0	-	38.4	44.0	-	41.0	47.7		
ADA LINEAR GRADINGLF	-	52.0	52.0	-	54.0	54.0	-	58.0	58.0		
SODDING SY	-	13.6	13.6	-	13.7	13.5	-	14.5	14.9		

TYPE 2-H											
LENGTH (LF)		8			12			16		REMARKS	
WIDTH (LF)	4	5	6	4	5	6	4	5	6		
TRUNCATED DOMES SF	-	12.0	12.0	-	10.0	10.0	-	10.0	10.0		
CURB RAMP SY	-	15.7	18.0	-	21.0	24.5	-	26.9	31.4		
CONC. SIDEWALK SY	-	13.2	16.0	-	12.0	14.2	-	12.0	14.4		
TYPE 1 AGGREGATE SY	-	28.9	34.0	-	33.0	38.6	-	38.9	45.8		
ADA LINEAR GRADINGLF	-	42.0	42.0	-	49.0	49.0	-	55.0	55.0		
SODDING SY	-	11.1	11.2	-	12.5	12.5	-	14.5	14.9		

ISOMETRIC VIEW
TYPE 2-G



T* - IS STILL NEEDED EVEN IF THE EXISTING SIDEWALK IS THE SAME WIDTH AS THE NEW SIDEWALK.(IT WILL BLEND THE EXIST XSLOPE INTO THE NEW LANDING XSLOPE)

T - TRANSITION TO EXISTING SW

REVISED: 2022-05-18

WESLEY A O NEAL NJMBER PE-2018021231

7/15/2025

BATES

JOB NO. J7P3511

CONTRACT ID.

PROJECT NO.

MO SHEET NO

2

VAR

SW

_ - LANDING

R - RAMP

→ → SOD SLOPE 6:1 MIN.

- TRUNCATED DOME LOCATION IF DIST. IS <5' OR > 5'

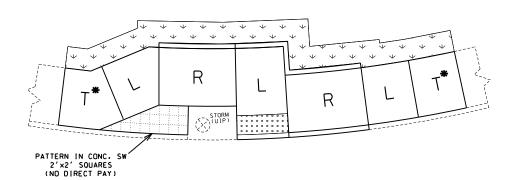
TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING YIELD / STOP SIGNS OR SIGNALS

- CURB RAMP PAY LIMITS

- INCLUDED IN 4" CONC. SIDEWALK
PAY LIMIT

NOTE: QUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS.

ISOMETRIC VIEW
TYPE 2-H



TYPE 2-H

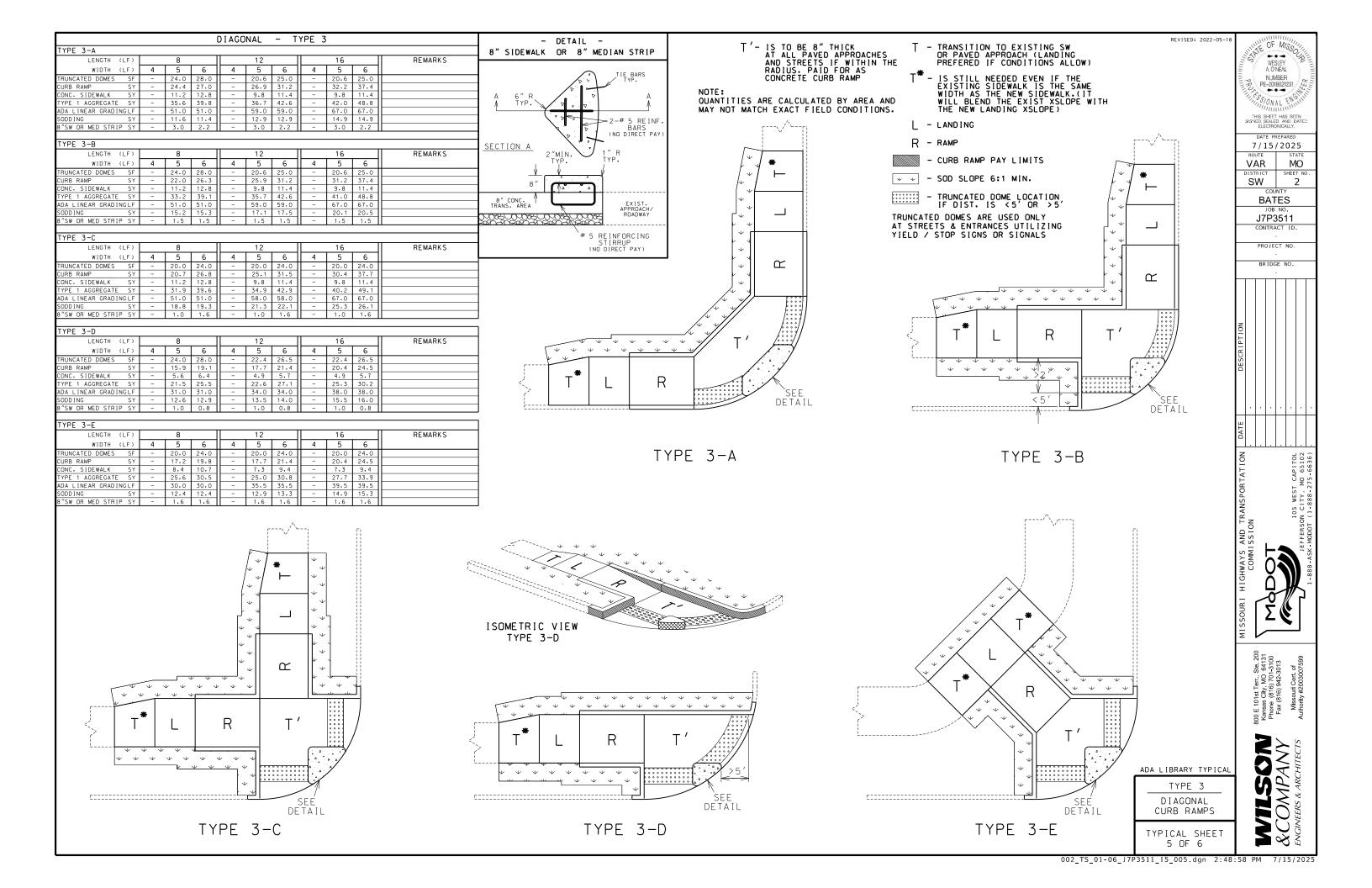
800 E 101st Terr., Ste. 200 Kansas City, MO 64131 Phone (816) 701-3100 Fax (816) 942-3013

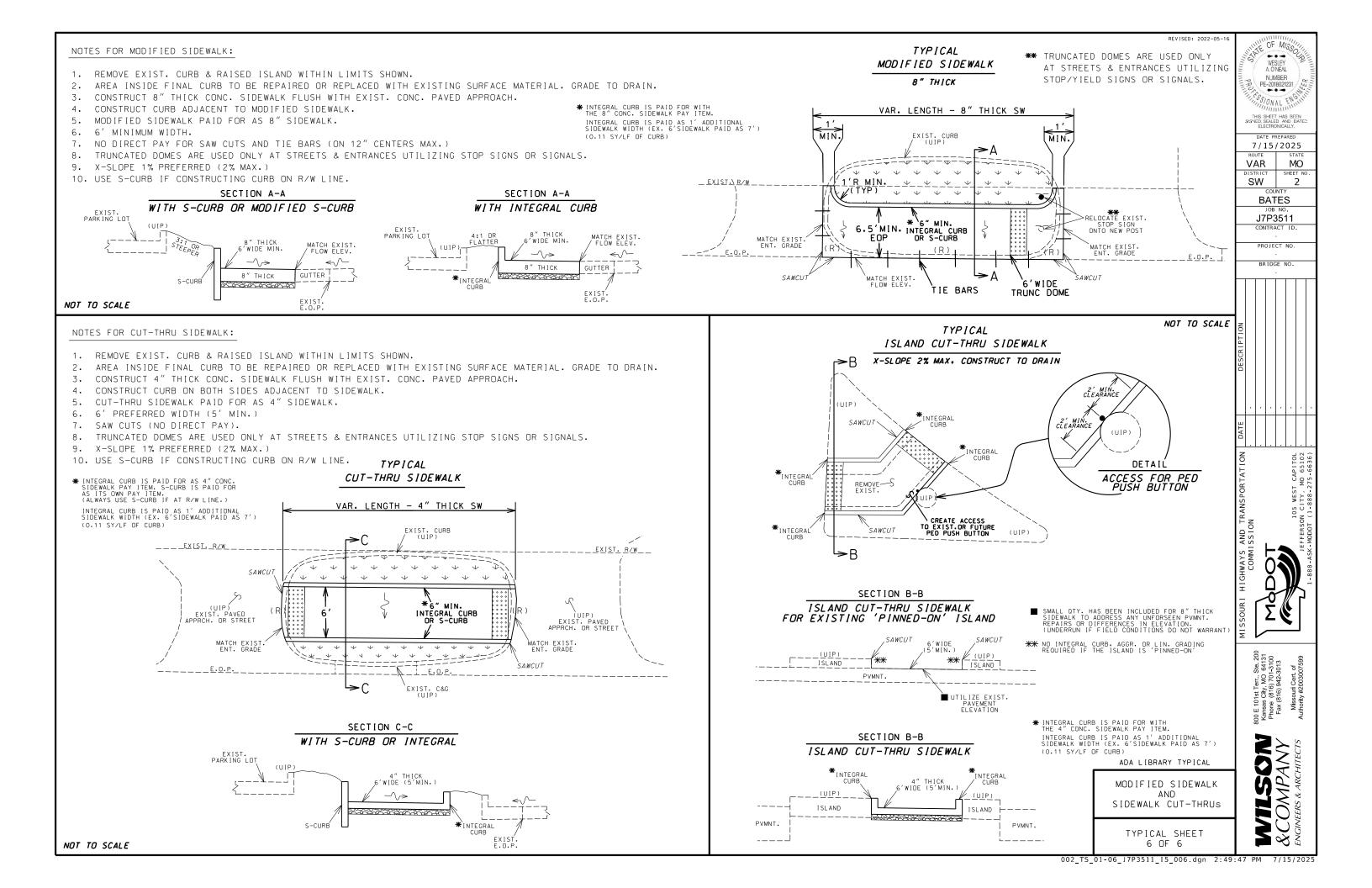
> WILSON &COMPANY ENGINEERS & ARCHITECTS

ADA LIBRARY TYPICAL

PARALLEL CURB RAMPS

TYPICAL SHEET 4 OF 6





MOBILIZATION - 1 LUMP SUM

CONTRACTOR FURNISHED SURVEYING AND STAKING -1 LUMP SUM

REMOVAL OF IMPROVEMENTS REMARKS SHEET LOCATION DESCRIPTION 4 5 - 7 5 - 7 APPROX 137 SY SIDEWALK ADR I AN BUTLER APPROX 30 SY SIDEWALK BUTLER APPROX 10 SY BRICK SURFACING REMOVAL ALL VERTICAL SAW CUTS SHALL BE INCIDENTIAL TO REMOVALS TOTAL LUMP SUM 1

CLEARING AND GRUBBING AT NO DIRECT PAY

						CONC	RETE SI	DEWALK					
					CONC CU RA	RB		CONCRETE SIDEWALK 4"	TRUNCATED DOMES	4" TYPE 1 AGG BASE	LINEAR GRADING FOR ADA FACILITIES	CONCRETE MEDIAN	
SHEET	L	OCATIO	N	LENGTH	WIDTH	TYPE	SY	(SY)	(SF)	(SY)	(STA)	(SY)	REMARKS
4	OLD RTE 71 & RTE 18	RTE 71 & RTE 18 ADRIAN						137.0	36.0	137.0	2.0		
5	LOOP 49	NW	BUTLER	6.5	5.0	3-C	6.6	10.2	20.0	14.7	0.1		
5	LOOP 49	SW	BUTLER	5.0	6.0	1-B	3.2	7.9	13.0	11.1	0.1		
5	LOOP 49	SW	BUTLER	6.0	5.0	1-C	3.6	2.2	10.0	5.8	0.1		
5	LOOP 49	NE	BUTLER	10.0	5.0	1-A	7.4	2.4	10.0	7.4	0.1		
5	LOOP 49	SE	BUTLER	9.5	5.0	1-A	3.7	2.8	10.0	6.5	0.1		
6	LOOP 49	NW	BUTLER	5.0	5.0	1-C	3.3	7.5	10.0	6.1	0.1		
6	LOOP 49	SW	BUTLER	4.0	5.0	1-C	2.2	7.8	10.0	5.0			
6	LOOP 49	NE	BUTLER	9.0	5.0	1-C	6.1	3.6	10.0	9.7	0.1		
6	LOOP 49	SE	BUTLER	13.0	5.0	1-C	8.5	5.3	10.0	11.3	0.1		
7	W FORT SCOTT ST & S FRAN AVE	NW	BUTLER					8.1	30.0			12.5	
7	W FORT SCOTT ST & S FRAN AVE	SW	BUTLER					7.5	30.0			11.2	
			TOTAL				44.7	202.2	199.0	231.3	2.8	23.7	
			USE							232			

	SOD	DING	
SHEET	LOCATION	SODDING (SY)	REMARKS
4	ADRIAN	55.6	
5	BUTLER	42.8	
6	BUTLER	29.4	
	TOTAL	128.0	

			SIGN RE	LOCATION	
SHEET		LOCATIO	ON	EXISTING SIGN RELOCATION (EA)	REMARKS
5	LOOP 49	LT	BUTLER	1.0	STOP SIGN
			TOTAL	1.0	

					P.A	AVEMENT MARKING			
				PREFORMED TH	TERMOPLASTIC	PREFORMED THERMOPLASTIC PAVEMENT MARKING 24 IN. X 36 IN. YIELD	PAVEMENT MARKING REMOVAL	PAVEMENT MARK I NG	
				STOP BAR	MIDBLOCK	LINE TRIANGLE WHITE	(SYMBOL)	REMOVAL	
SHEET		LOCATIO	ON	(LF)	(LF)	(EA)	(EA)	(LF)	REMARKS
5	LOOP 49	CL	BUTLER		84.0				
6	LOOP 49	CL	BUTLER		84.0		7.0		·
7	RTE 52		BUTLER	96.0	264.0	31.0		624.0	
			TOTAL	96.0	432.0	31.0	7.0	624.0	

			CURB		
				CONCRETE CURB 6 IN. AND UNDER TYPE S	
SHEET		LOCATIO	ON	(LF)	REMARKS
5	LOOP 49	LT	BUTLER	31.0	
5	LOOP 49	RT	BUTLER	11.0	
6	LOOP 49	LT	BUTLER	10.0	
			TOTAL	52.0	

		CC	NCRETE		
SHEET	ı	OCATIO	DN	8 IN. CONCRETE (SY)	REMARKS
6	LOOP 49	RT	BUTLER	6.0	PARKING LOT TIE-IN
			TOTAL	6.0	

		EROS	ION CONTROL	INLET CHECK	
			INLET	SEDIMENT	
			CHECK	REMOVAL	
SHEET	LOC	ATION	(EA)	(CY)	REMARKS
5	LT	BUTLER	1	1	
6	RT	BUTLER	1	1	
		TOTAL	2	2	

SUMMARY OF QUANTITIES SHEET 1 OF 2

PROPERTY OF THIS SHEET SYS'NED, SEALE ELECTRO												
DATE PREPARED 9/4/·2025												
ROUTE	STATE											
VAR	МО											
DISTRICT	SHEET NO.											
SW	3											
BA1	INTY											
	NO.											
J7P3	3511											
CONTRA	CT ID.											
PROJE	CT NO.											
BR I DO	GE NO.											



							EFFECTIVE: 04-01-2023
TOTAL QTY TO	DTAL SIGN		QTY TOTAL SIG	N			
SIZE AREA QTY AREA RELOCRE	LOC NUM.	SIZE AREA QTY TO	TAL RELOC RELOC NUN	1.			
SIGN IN SQ.FT EACH SQ.FT EACH SQ).FT.	SIGN IN SQ FT EACH SQ.	FT. EACH SQ.FT.		I TEM	TOTAL	
WARNING SIGNS	DESCRIPTION	GUIDE S	SIGNS	DESCRIPTION	NUMBER	QTY	DESCRIPTION
WO1-1L 48X48 16.00	TURN (SYMBOL LEFT ARROW)	E05-1 36X48 12.00		GORE EXIT	6122008		IMPACT ATTENUATOR 40 MPH (SAND BAR
WO1-1R 48X48 16.00	TURN (SYMBOL RIGHT ARROW)	E05-2 48X36 12.00		EXIT OPEN	6122009		IMPACT ATTENUATOR 45 MPH (SAND BAR
WO1-2L 48X48 16.00	CURVE (SYMBOL LEFT ARROW)	E05-2a 48X36 12.00		EXIT CLOSED	6122010		IMPACT ATTENUATOR 50 MPH (SAND BAR
WO1-2R 48X48 16.00 WO1-3L 48X48 16.00	CURVE (SYMBOL RIGHT ARROW)	GO20-1 60X24 10.00 2 20. GO20-2 48X24 8.00 2 16.		ROAD WORK NEXT XX MILES END ROAD WORK	6122012		IMPACT ATTENUATOR 55 MPH (SAND BAR
WO1-3L 48X48 16.00	REVERSE TURN (SYMBOL LEFT ARROW) REVERSE TURN (SYMBOL RIGHT ARROW)	GO20-2 48X24 8.00 2 16.	.00	PILOT CAR FOLLOW ME	6122014		IMPACT ATTENUATOR 60 MPH (SAND BAR IMPACT ATTENUATOR 65 MPH (SAND BAR
WO1-4L 48X48 16.00	REVERSE CURVE (SYMBOL LEFT ARROW)	GO20 - 4a 42X30 8 . 75		PILOT CAR IN USE WAIT & FOLLOW	6122019		IMPACT ATTENUATOR 70 MPH (SAND BAR
WO1-4R 48X48 16.00	REVERSE CURVE (SYMBOL RIGHT ARROW)	GO20-4a 18X12 1.50		PILOT CAR IN USE WAIT & FOLLOW	6122020		REPLACEMENT SAND BARREL
WO1-4bL 48X48 16.00	DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	GO20-5aP 36X24 6.00 4 24	.00	WORK ZONE (PLAQUE)	6122030		IMPACT ATTENUATOR (RELOCATION)
WO1-4bR 48X48 16.00	DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)	MO4-8a 24X18 3.00		END DETOUR	6123001		TRUCK OR TRAILER MOUNTED ATTENUATO
WO1-4cL 48X48 16.00 WO1-4cR 48X48 16.00	TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS) TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)	MO4-9L 48X36 12.00 MO4-9R 48X36 12.00		DETOUR (LEFT ARROW) DETOUR (RIGHT ARROW)	6161008 6161012		ADVANCED WARNING RAIL SYSTEM BUOYS (BOATS KEEP OUT)
WO1-6 60X30 12.50	HORIZONTAL ARROW (SYMBOL)	MO4-9R 48X12 4.00		STREET NAME (PLAQUE)	6161013		BUOYS (NO WAKE)
WO1-6a 72X36 18.00	HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4-10L 48X18 6.00		DETOUR (ARROW LEFT)	6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP
WO1-7 60X30 12.50	DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10R 48X18 6.00		DETOUR (ARROW RIGHT)	6161025	100	CHANNELIZER (TRIM LINE)
WO1-7a 72X36 18.00	DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)				6161030		TYPE III MOVEABLE BARRICADE
WO1-8 18X24 3.00	CHEVRON (SYMBOL)	R1-1 48X48 13.25		STOP	6161033		DIRECTION INDICATOR BARRICADE
WO1-8a 30X36 7.50	CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2 48TRI 6.93		YIELD	6161040		FLASHING ARROW PANEL
WO3-1 48X48 16.00 WO3-2 48X48 16.00	STOP AHEAD (SYMBOL) YIELD AHEAD (SYMBOL)	R1-2a 36X36 9.00 R1-3P 30X12 2.50		TO ONCOMING TRAFFIC (PLAQUE) ALL WAY (PLAQUE)	6161047 6161055	12	TYPE III OBJECT MARKER SEQUENTIAL FLASHING WARNING LIGHT
WO3-3 48X48 16.00	SIGNAL AHEAD (SYMBOL)	R2-1 36X48 12.00 4 48.	.00	SPEED LIMIT (2X 25 MPH / 2X 35 MPH)	6161070		TUBULAR MARKER
WO3-4 48X48 16.00	BE PREPARED TO STOP	R3-1 48X48 16.00		NO RIGHT TURN (SYMBOL)	6161095		RADAR SPEED ADVISORY SYSTEM
WO3-5 48X48 16.00 2 32.00	SPEED LIMIT AHEAD	R3-2 48X48 16.00		NO LEFT TURN (SYMBOL)			CHANGEABLE MESSAGE SIGN,
WO4-1L 48X48 16.00	MERGE (SYMBOL FROM LEFT)	R3-3 36X36 9.00		NO TURNS	6161096		COMMISSION FURNISHED/RETAINED
WO4-1R 48X48 16.00	MERGE (SYMBOL FROM RIGHT)	R3-4 48X48 16.00		NO U-TURN (SYMBOL)		2	CHANGEABLE MESSAGE SIGN W/O COMM.
WO4-1aL 48X48 16.00 WO4-1aR 48X48 16.00	MERGE (ARROW SYMBOL) MERGE (ARROW SYMBOL)	R3-7L 30X30 6.25 R3-7R 30X30 6.25		LEFT LANE MUST TURN LEFT RIGHT LANE MUST TURN RIGHT	6161098A		INTERFACE - CONTRACTOR FURNISHED/R CHANGEABLE MESSAGE SIGN WITH COMM.
WO5-1 48X48 16.00	ROAD/BRIDGE/RAMP NARROWS	R4-1 36X48 12.00		DO NOT PASS	6161099		INTERFACE - CONTRACTOR FURNISHED/R
WO5-3 48X48 16.00	ONE LANE BRIDGE	R4 - 2 36X48 12.00		PASS WITH CARE	6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
WO5-5 48X48 16.00	NARROW LANES	R4-8a 36X48 12.00		KEEP LEFT (HORIZONTAL ARROW)	6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
WO6-1 48X48 16.00	DIVIDED HIGHWAY (SYMBOL)	R4-7a 36X48 12.00		KEEP RIGHT (HORIZONTAL ARROW)			TEMPORARY TRAFFIC BARRIER
WO6-2 48X48 16.00	DIVIDED HIGHWAY END (SYMBOL)	R5-1 30X30 6.25		DO NOT ENTER	6173600D		CONTRACTOR FURNISHED/RETAINED
WO6-3 48X48 16.00	TWO WAY TRAFFIC (SYMBOL)	R5-1a 36X24 6.00		WRONG WAY	61736038		TEMPORARY TRAFFIC BARRIER
WO7-3a 30X24 5.00 WO8-1 48X48 16.00	NEXT XX MILES (PLAQUE) BUMP	R6-1L 54X18 6.75 R6-1R 54X18 6.75		ONE WAY ARROW (LEFT) ONE WAY ARROW (RIGHT)	6173602B 6174000A		CONTRACTOR FURNISHED/COMMISSION RE TEMP. TRAFFIC BARRIER HEIGHT TRANS
WO8-2 48X48 16.00	DIP	R6-2L 24X30 5.00		ONE WAY (LEFT)	6175010A		RELOCATING TEMPORARY TRAFFIC BARRI
WO8-3 48X48 16.00	PAVEMENT ENDS	R6-2R 24X30 5.00		ONE WAY (RIGHT)			TEMPORARY TRAFFIC BARRIER
WO8-4 48X48 16.00	SOFT SHOULDER	R9-9 24X12 2.00 8 16.	.00	SIDEWALK CLOSED	6176000B		COMMISSION FURNISHED/RETAINED
WO8-5 48X48 16.00	SLIPPERY WHEN WET (SYMBOL)			SIDEWALK CLOSED AHEAD	1		TEMP. TRAFFIC BARRIER HEIGHT TRANS
WO8-6 48X48 16.00 WO8-6c 48X48 16.00	TRUCK CROSSING (WITH FLAGS) TRUCK ENTRANCE	R9-11L 24X18 3.00		(ARROW LEFT) CROSS HERE SIDEWALK CLOSED AHEAD	6177000B 6208064A		COMMISSION FURNISHED/RETAINED TEMPORARY RAISED PAVEMENT MARKER
WO8-7 36X36 9.00	LOOSE GRAVEL			(ARROW RIGHT) CROSS HERE	9029400		TEMPORARY TRAFFIC SIGNALS
W08-7a 36X36 9.00	FRESH OIL/LOOSE GRAVEL	R10-6 24X36 6.00		STOP HERE ON RED (45^ ARROW)	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGH
WO8-9 48X48 16.00	LOW SHOULDER	R11-2 48X30 10.00		ROAD CLOSED			
WO8-11 48X48 16.00	UNEVEN LANES			ROAD CLOSED XX MILES AHEAD	6169902	16	ADA COMPLIANT MOVEABLE BARRICADE
WO8-12 48X48 16.00	NO CENTER LINE	R11-3a 60X30 12.50		LOCAL TRAFFIC ONLY			
W08-15 48X48 16.00	GROOVED PAVEMENT	R11-4 60X30 12.50		ROAD CLOSED TO THRU TRAFFIC			
WO8-15P 30X24 5.00 WO8-17 48X48 16.00	MOTORCYCLE (PLAQUE) SHOULDER DROP-OFF (SYMBOL)	CONST - 3A 60X48 20.00 CONST - 3X 56X12 4.67		FINE SIGN SPEEDING/PASSING (PLATE)			
WO8-17P 30X24 5.00	SHOULDER DROP-OFF (PLAQUE)	1 300 300 300 1107		The state of the s			
W10-1 42RND. 9.62	RAILROAD CROSSING	CONST-5 48X36 12.00		POINT OF PRESENCE			
WO12-1 24X24 4.00	DOUBLE DOWN ARROW (SYMBOL)	CONST-5 96X48 32.00		POINT OF PRESENCE			
W012-2 48X48 16.00	LOW CLEARANCE (SYMBOL)	CONST - 7 48X24 8.00		RATE OUR WORK ZONE			
W012-2X 24X18 3.00 W012-2a 84X24 14.00	LOW CLEARANCE (PLAQUE) OVERHEAD LOW CLEARANCE (FEET AND INCHES)	CONST-7 72X36 18.00 CONST-8 48X36 12.00		RATE OUR WORK ZONE WORK ZONE NO PHONE ZONE			
W012-4 120X60 50.00	LOW CLEARANCE XX FT XX IN XX MILES AHEAD		TAL	WORK ZONE NO PHONE ZONE			
WO12-5 120X60 50.00	WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD	CONSTRUCTION SIGNS 252.					
WO13-1 30X30 6.25	ADVISORY SPEED (PLAQUE)	616-10.10	TOTAL				
WO16-2 30X24 5.00	XXX FEET (PLAQUE)	RELOCATED SIGNS	**				
W016-3 30X24 5.00	X MILE (PLAQUE)	4					
WO20-1 48X48 16.00 4 64.00	ROAD/BRIDGE/RAMP WORK AHEAD	-					
WO20-2 48X48 16.00 WO20-3 48X48 16.00	DETOUR AHEAD ROAD CLOSED AHEAD	** NO DIDECT SAV 505 55	004TN0 TEL 1000 LOS (==	AFFIG CONTROL			
WO20-4 48X48 16.00	ONE LANE ROAD AHEAD	NO DIRECT PAY FOR RELIDEVICES.	OCATING TEMPORARY TR	AFFIC CONTROL			
WO20-5 48X48 16.00	RIGHT/CENTER/LEFT LANE CLOSED AHEAD	1					
WO20-5a 48X48 16.00	2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD						
WO20-6a 48X48 16.00	RIGHT/CENTER/LEFT LANE CLOSED	_					
W020-7a 48X48 16.00 2 32.00	FLAGGER (SYMBOL	4					
WO21-2 36X36 9.00 WO21-5 48X48 16.00	FRESH OIL SHOULDER WORK AHEAD	-					
WO21-5 48X48 16.00 WO22-1 48X48 16.00	BLASTING ZONE AHEAD	1					

WET PAINT (ARROW PIVOTS)

END BLASTING ZONE

TURN OFF 2-WAY RADIO AND PHONE

WO22-1 48X48 16.00

WO22-2 42X36 10.50

WO22-3 42X36 10.50

GO22-1 21X15 2.19

	ITEM	TOTAL	
	NUMBER	QTY	DESCRIPTION
	6122008		IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
	6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
	6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
OLLOW	6122019		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
OLLOW	6122020		REPLACEMENT SAND BARREL
	6122030		IMPACT ATTENUATOR (RELOCATION)
	6123001		TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)
	6161008		ADVANCED WARNING RAIL SYSTEM
	6161012		BUOYS (BOATS KEEP OUT)
	6161013		BUOYS (NO WAKE)
	6161014		SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
	6161025	100	CHANNELIZER (TRIM LINE)
	6161030		TYPE III MOVEABLE BARRICADE
	6161033		DIRECTION INDICATOR BARRICADE
	6161040	2	FLASHING ARROW PANEL
UE)	6161047	12	TYPE III OBJECT MARKER
	6161055		SEQUENTIAL FLASHING WARNING LIGHT
5 MPH)	6161070		TUBULAR MARKER
	6161095		RADAR SPEED ADVISORY SYSTEM
			CHANGEABLE MESSAGE SIGN,
	6161096		COMMISSION FURNISHED/RETAINED
		2	CHANGEABLE MESSAGE SIGN W/O COMM.
	6161098A		INTERFACE - CONTRACTOR FURNISHED/RETAINED
ΙT			CHANGEABLE MESSAGE SIGN WITH COMM.
	6161099		INTERFACE - CONTRACTOR FURNISHED/RETAINED
	6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
.OW)	6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
ROW)			TEMPORARY TRAFFIC BARRIER
	6173600D		CONTRACTOR FURNISHED/RETAINED
			TEMPORARY TRAFFIC BARRIER
	6173602B		CONTRACTOR FURNISHED/COMMISSION RETAINED
	6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
	6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
			TEMPORARY TRAFFIC BARRIER
	6176000B		COMMISSION FURNISHED/RETAINED
			TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
	6177000B		COMMISSION FURNISHED/RETAINED
	6208064A		TEMPORARY RAISED PAVEMENT MARKER
	9029400		TEMPORARY TRAFFIC SIGNALS
.OW)	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING
'D	6169902	16	ADA COMPLIANT MOVEABLE BARRICADE
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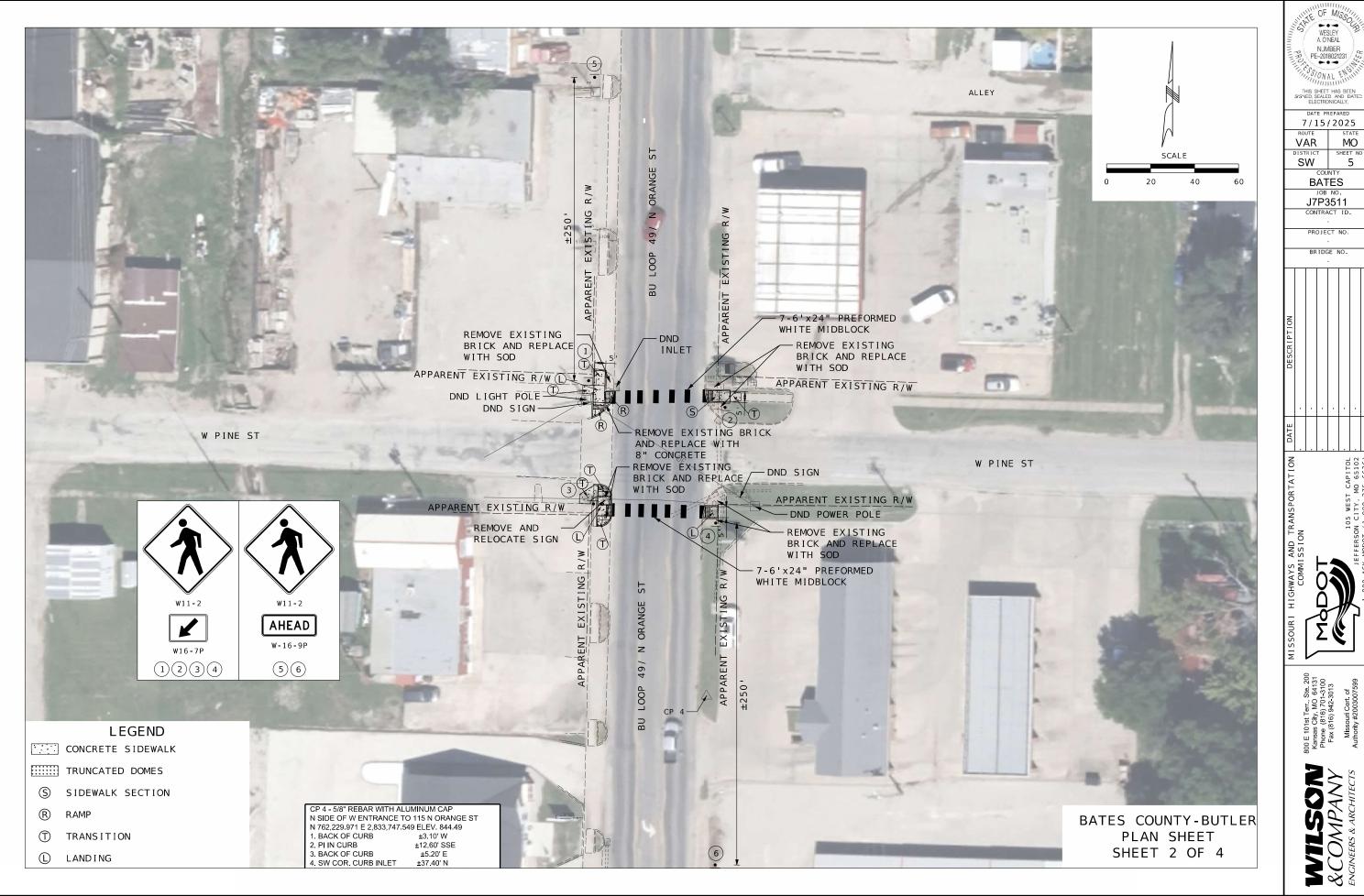
WESLEY
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NUMBER
PE-2018021231
THIS SHEET HAS BEEN
S/GYED SELD AND DATED
ELECTRONICALLY. 7/28/2025 STATE MO VAR SW SHEET NO. BATES JOB NO.
J7P3511
CONTRACT ID. PROJECT NO. BRIDGE NO.

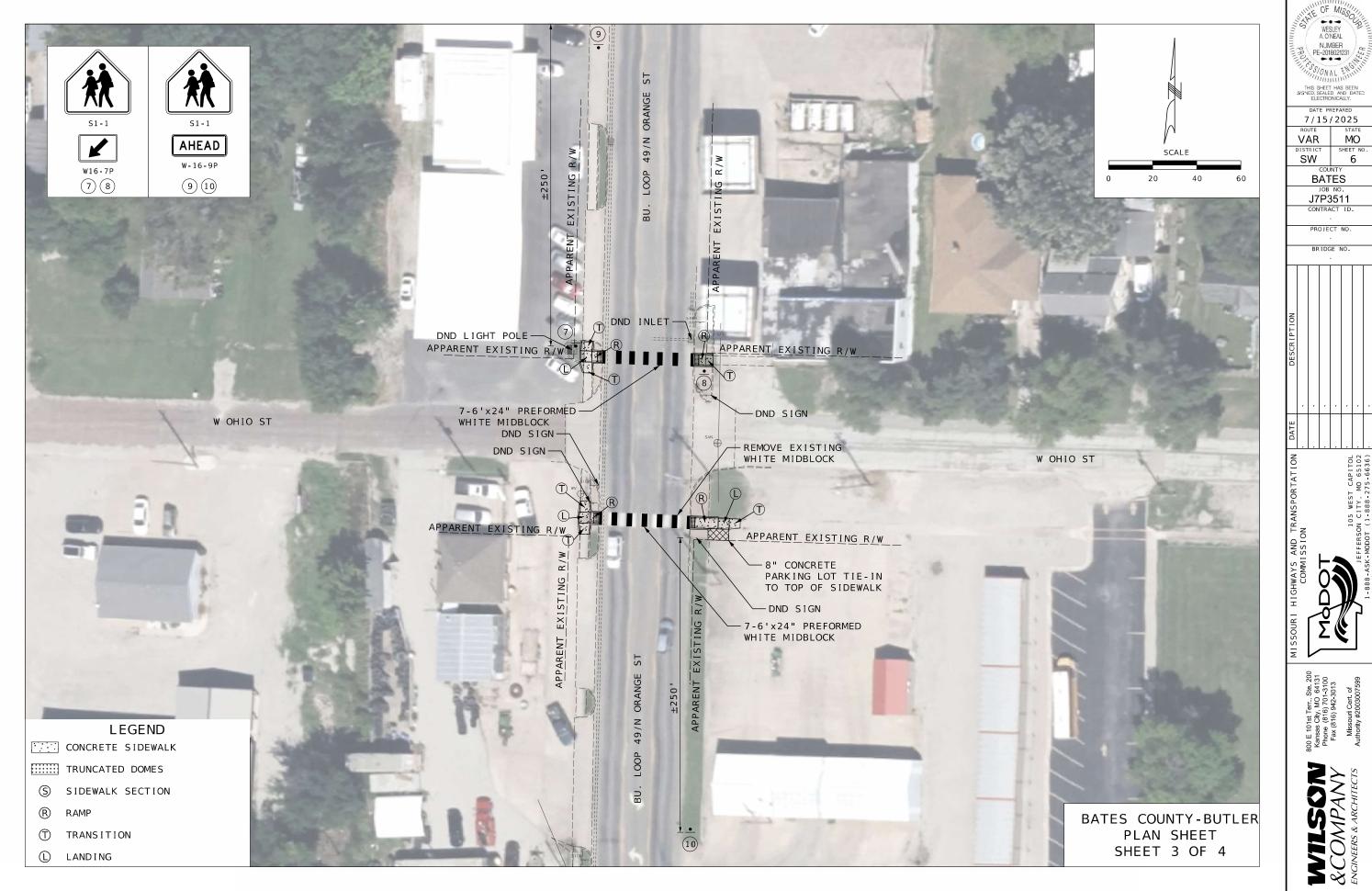
800 E 101st Terr., Ste. 200 Kansas City, MO 64131 Phone (816) 701-3100 Fax (816) 942-3013 Missouri Cert. of Authority #2003007599

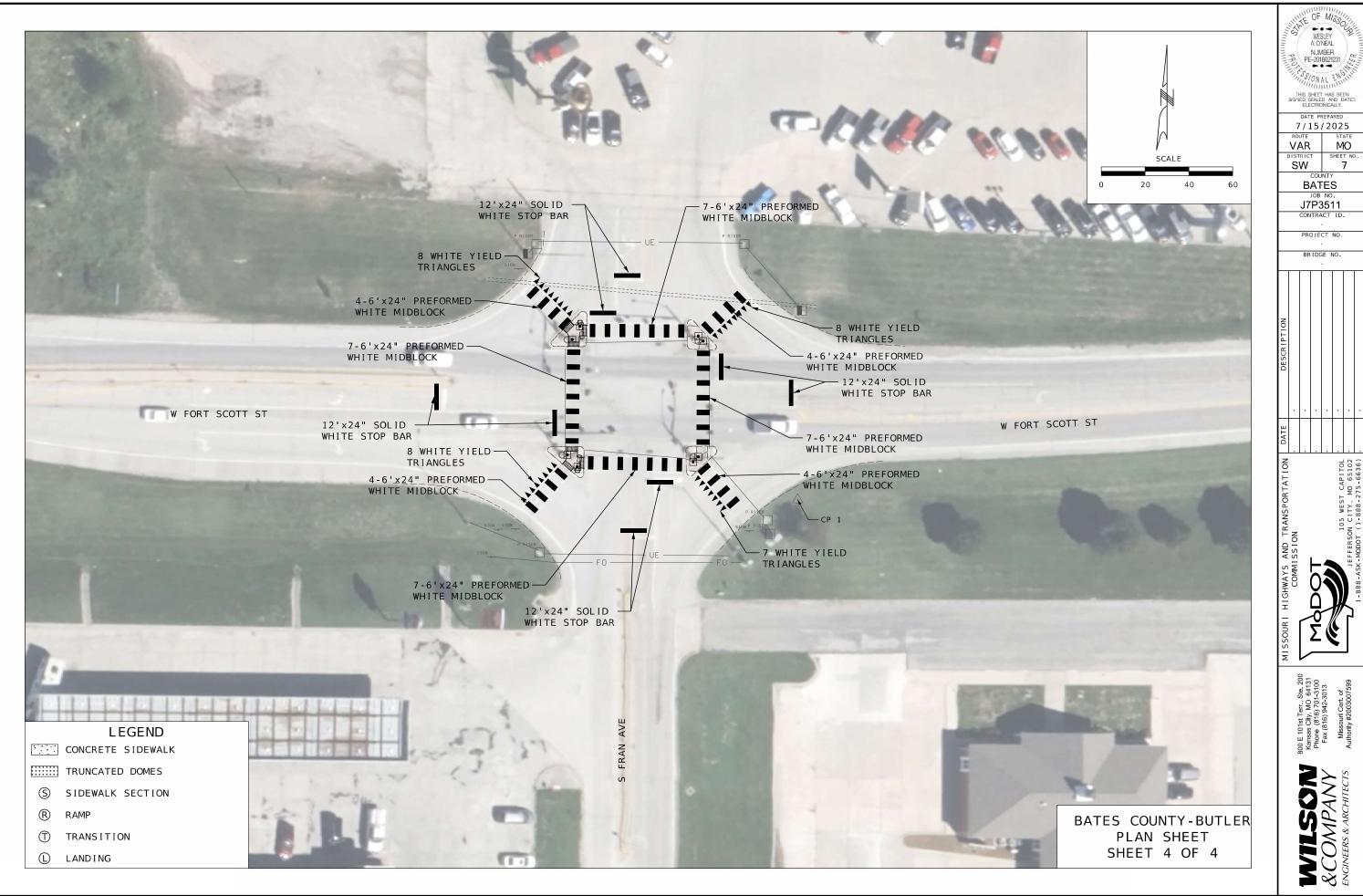


SUMMARY OF QUANTITIES SHEET 2 OF 2



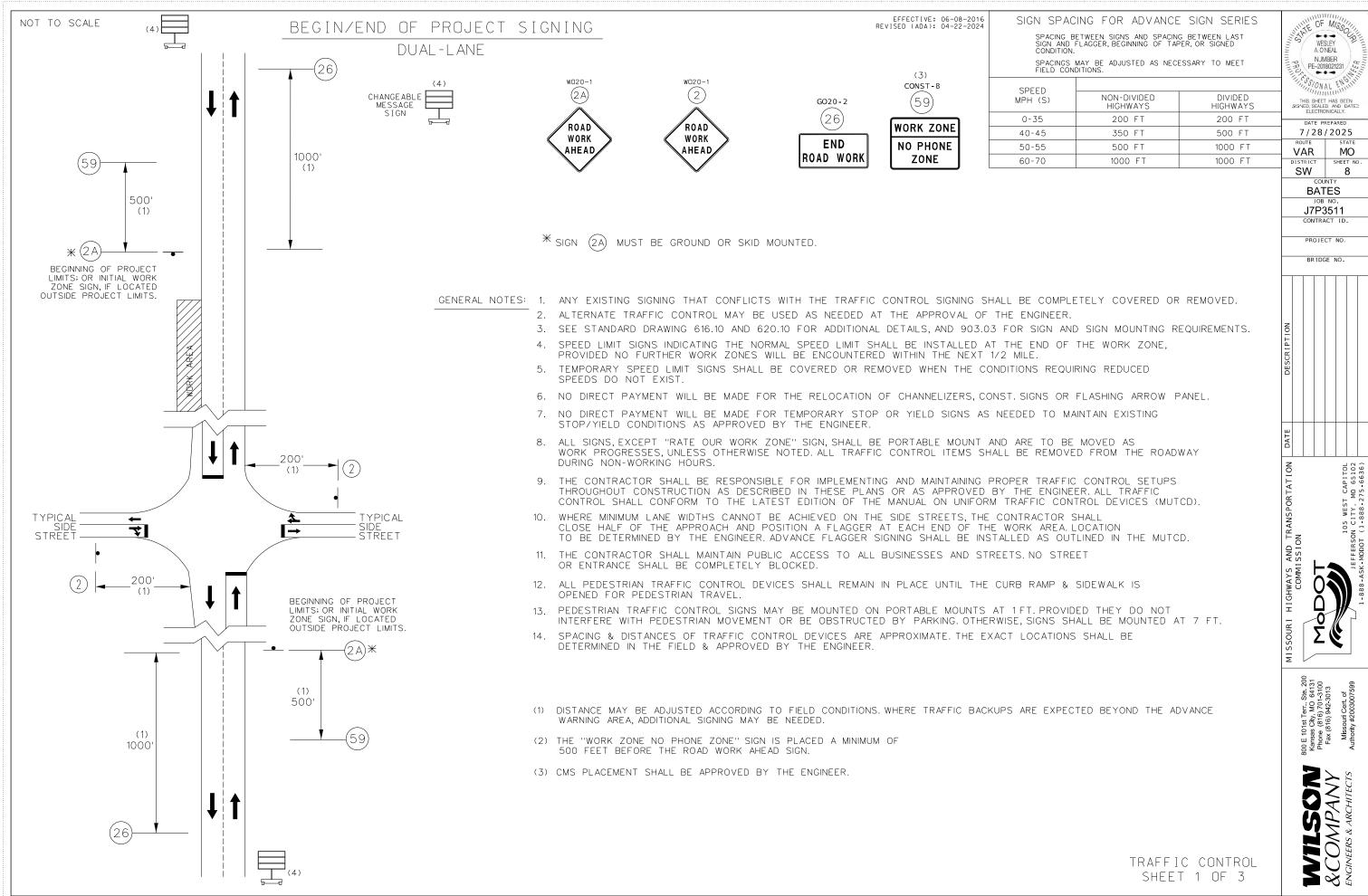




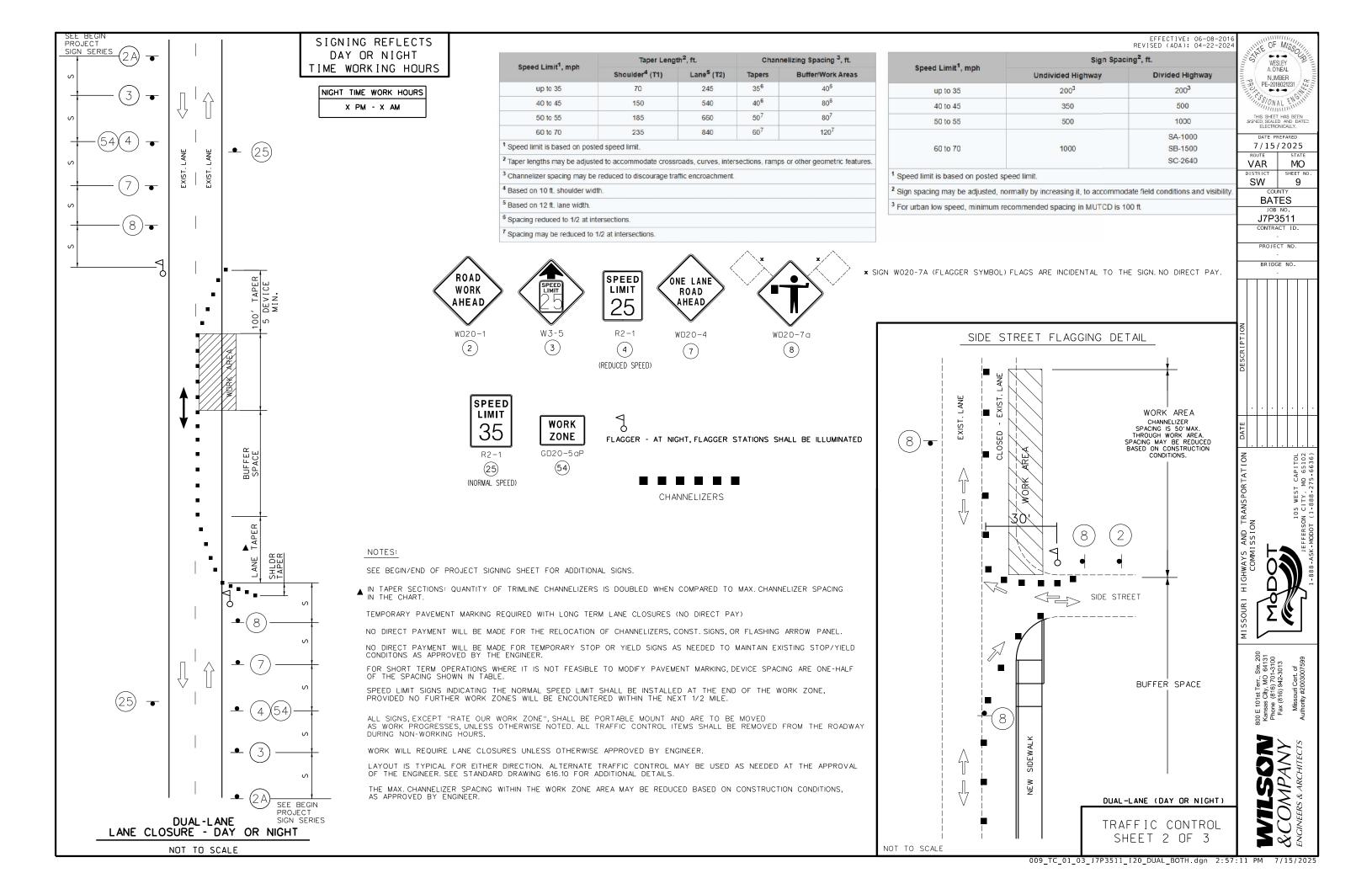


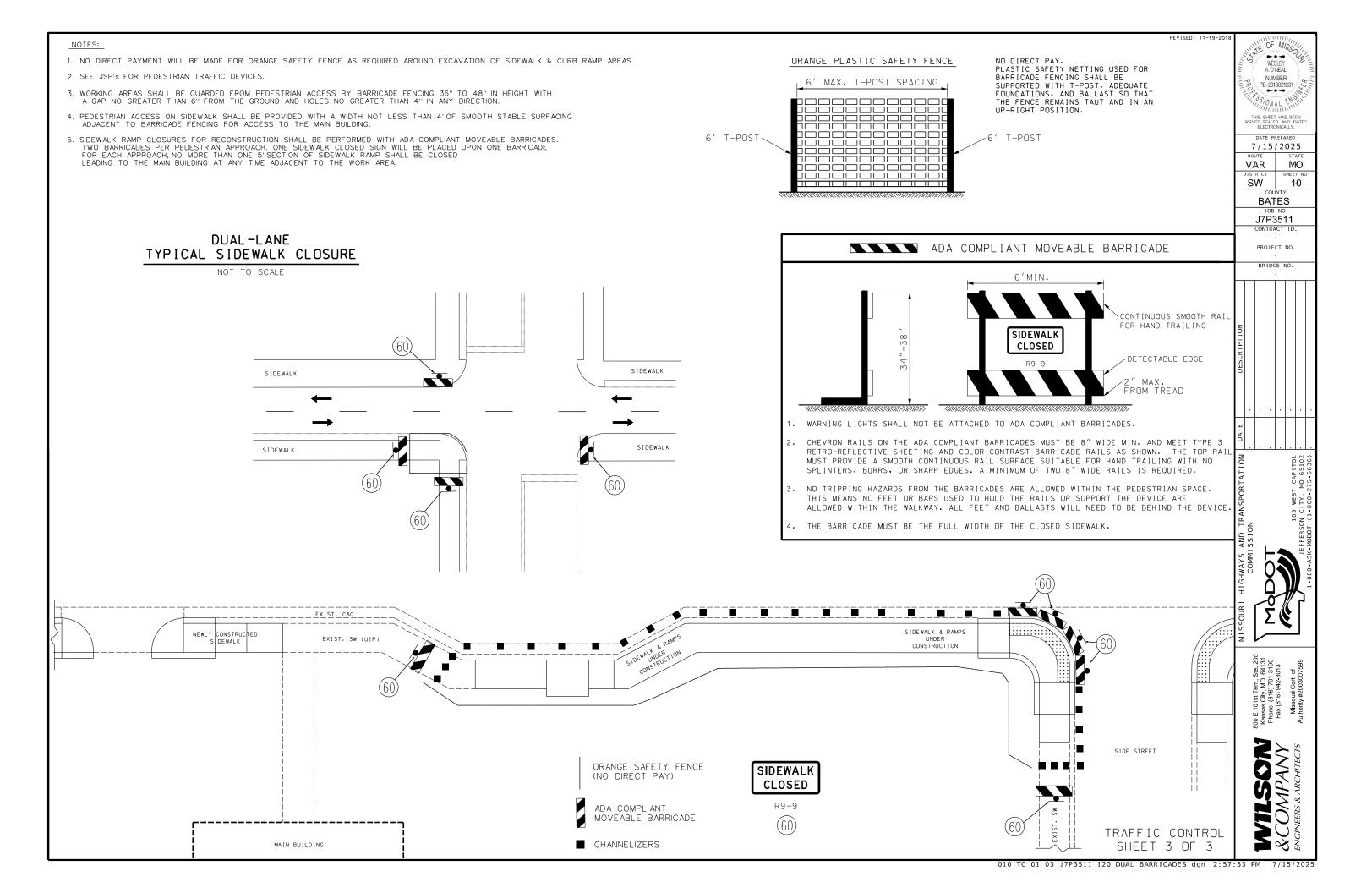
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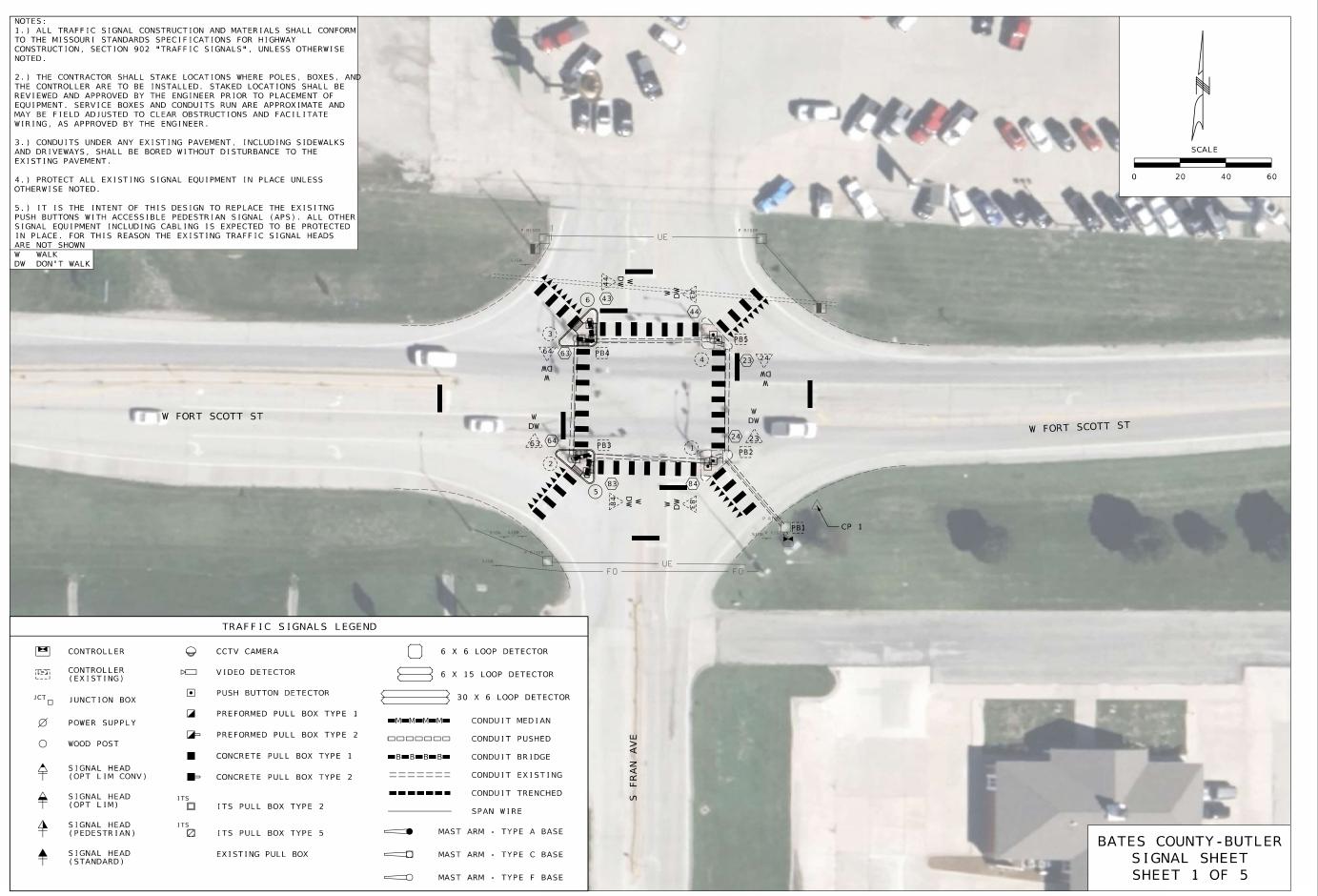
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WESLEY A. O'NEAL

NUMBER

7/15/2025

BATES

J7P3511

CONTRACT ID.

PROJECT NO

BRIDGE NO.

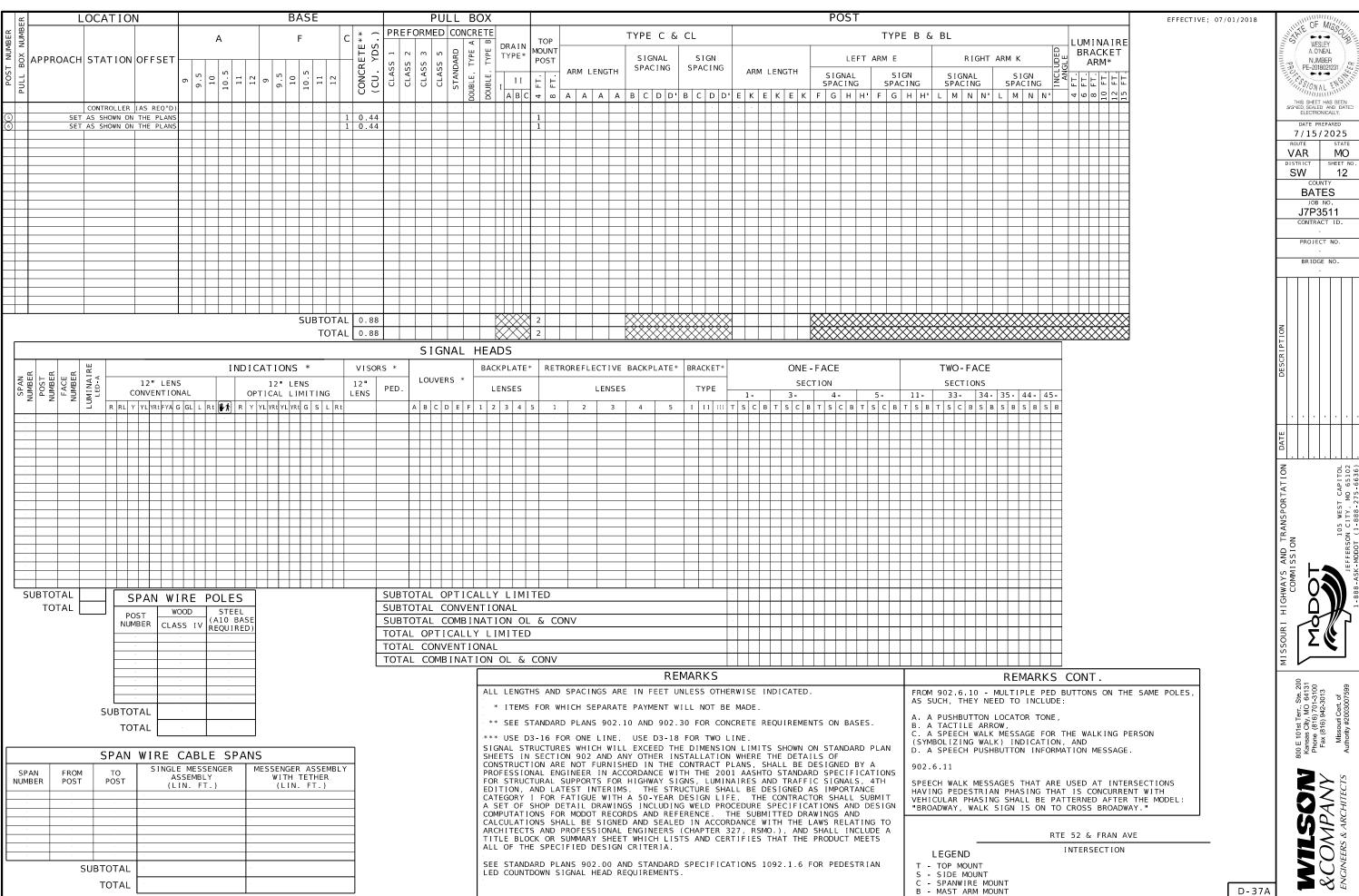
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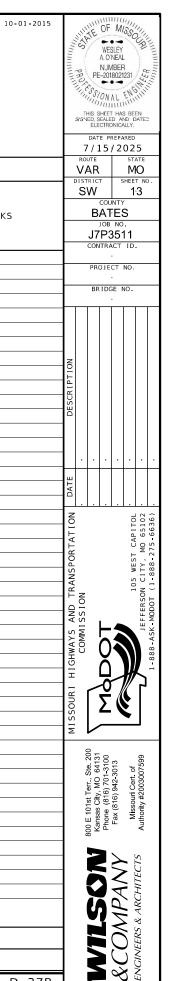
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PE-2018021231 ISSIONAL ENG



EFFECTIVE: 10-01-2015



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	REMARKS	SINGLE - MULTI - MODE			POLE & BRACKET	CONTROL 2c #12	INTERCONNECT 3 PAIR #16			2c #16		ENTER TO - ENTER STANCE		FROM	REMARKS		4" 2"	2" 3"	4"	2" 3"	2	3" 4		TO	ТО
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WESLEY A ONEAL NJMBER PE-2018021231

7/15/2025 VAR MO

	POWER SUPPLY														
LOC	CATION		POWER ASSE	SUPPLY MBLY	CIRCU	T BREAKE	R TRIP P	RAT I NG*	LIGHTING	CONTROL *	SERVICE POLE				
APPROACH	STATION	OFFSET	DRAWING 902.15	DRAWING		CONT &	POWER DISCO MAIN B	NNECT	(ON POWEI	R SUPPLY)	CONTRACT FURNISH	UTILITY COMPANY			
			902.15		BREAKER	REAKER SIGNAL LAMPS		REAKER LIGHTING	CONTROL	MAIN BREAKER	FURNISH	COMPANT			
			Type		1-5 Amp	Amps	· Amps	- Amps - Amps		· Amps	CI. Ft.				
			Type		1-5 Amps	Amps	Amps	Amps		Amps	CI. Ft.				

				CC	ONTRO	DLLER	R A	SS	EMBL'	Y AND	XUA C	ILIAR	Y EQ	UIPM	ENT							
LOCAT	ION		SYS MAS		۸СТП	IATED	ON-C SWI	OFF* TCH		COORDINA	ATION IN	TERFACE *	<				A CABI			ABINET		70
APPROACH	STATION	OFFSET	(CLOSE		ACTO	IATED	TY	PE	12C/7C	HARDWIRE [1]	TIME	CLOSE	LOOP	FIBER	TIME *		TYPE *	τ	TYP	E *	SOFTV	VARE *
APPROACH	STATION	OFFSET	NEMA	170	NEMA	170	I	ΙI	MASTER	LOCAL	BASE	NEMA	170	FIBER		Е	EV	DOUBLE	332	3365	BITRAN	WAPITI
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			CARD POSITION													
		1	2	3	4	5	6	7	8							
C H A N	1															
N N E L	2															

TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) =

(2)

	NEMA LOAD SWITCH ASSIGNMENTS														
1	2	3	4	5	6	7	8	9	10	11	12				

SIGNAL SIGNS													
QUANTITY	MUTCD S I GN	SIZE	AREA	SIGN TOTAL AREA	SIGNAL SIGN MOUNTING HARDWARE								
QUA	NUMBER			ITEM NO. 90208 33	ITEM NO. 90208.34								
		INCHES	SQ.FT.	SQ.FT.	EA.								
	R10-10L	24 X 30	5.0										
	R10-10R	24 X 30	5.0										
	R3-5L	30 X 36	7.5										
	R3-5R	30 X 36	7.5										
	R3-5A	30 X 36	7.5										
	R3-6L	30 X 36	7.5										
	R3-6R	30 X 36	7.5										
	R3-2	24 X 24	4.0										
	R3-1	24 X 24	4.0										
	R3-3	24 X 24	4.0										
-	D3 - 1	58 X 18	7.3										
-	D3-1 R10-3E	83 X 18 9 X 15	10.4										
-	R10-3E	24 X 30	0.9 5.0										
	R10-11A	30 X 36	7.5										
-	R10-12	36 X 24	6.0										
	R10-27A	30 X 24	7.5										
4	R10-3EL	9 X 15	0.9	3.75	4								
4	R10-3ER	9 X 15	0.9	3.75	4								
			Ţ.,										
			SUBTOTAL	7.5	8								
			TOTAL	7.5	8								

		DETE	CTOR SCHE	DULE			
				TYPI	≣		
DETECTOR NUMBER	APPROACH	OPTIONAL	APS PUSH	IN	DUCTION LOOP	(2)	
		DETECTION	BUTTON ASSEMBLY	STANDARD	DELAY/ EXTEND *	CALL UNIT *	VIDEO
2:3			1				
24			1				
43			1				
44			1				
63			1				
64			1				
8:3			1				
8:4			1				
+							
+							
+							
		TOTAL	8				

				1	70 I	NPU ⁻	ΓFΙ	LE A	\SSI	GNME	NTS				
	CHANNEL	1	2	3	4	5	6	7	8	9	10	11	12	13	14
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TOTAL NUMBER OF DETECTOR CARDS(2-CHANNEL) = (2)

- * ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.
- *** USE D3-1 FOR ONE LINE. USE D3-1B FOR TWO LINE.

(1) MoDOT "D" PLUG SHALL BE WIRED INTO ALL NEMA CONTROLLERS WITH 7C HARDWIRE INTERCONNECT.

(2) PAYMENT IS MADE FOR THE NUMBER OF 2-CHANNEL DETECTOR CARDS AS SHOWN BELOW THE ASSIGNMENT CHART.

(3) PROVIDE NEMA TS1 CABINET AND BASE.

(4) PROVIDE NEMA M60 CONTROLLER.

(5) PAYMENT FOR CABINET AND BASE SHALL BE SUBSIDIARY TO CABINET.

Ol	JTPU	T FI	170 LE /	GNME	ENTS	
FR1						
FR2						TOR
FR3						MONITOR
FR4						

		AUX		
FR5				
FR6				

RTE 52 & FRAN AVE INTERSECTION

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			er., Ste. MO 641	Phone (816) 701-3100	342-301	Cert. of	03007599	
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D-37D

RTE 52 & FRAN AVE

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		SIGN	1S			CONCRE	TE	STRU	JCTUF	RAL ST	EEL	PI	PE P	OSTS *	в В	ACK I NG		U-				PERFOR	ATED S	SQUARE	STEEI	_ TUBE						WESLEY A.O'NEA
						FOOT I N EMBEDD	IGS		РО	STS *					В	ARS **	CH	IANNEL			2 IN. POS					5 IN. POST	Г		BREAK -	REMARKS	5	= NUMBE
SIGNAL SIGN SIZE				LOCATIO	SIGN	ITEM NO.	PO	OST POST	T POST	POST LE	SS TOTAL	PIPE PO	OST POS	2 PER ITE	M NO @ 2	X [] BARS	FT	TEM NO.	POST POS	. 2 ITEM NO	12 GA ITEM NO	ANCHORS DRIVEN 7-GA ITEM NO	7 GA ITEM NO	POST POST NO.1 NO.2	TOTAL	(6 FT) ITEM NO.	DRIVEN 7-GA ITEM NO.	HORS CONCRETE 7-GA ITEM NO.	AWAY ASSEMBLY ITEM NO.	AND OTHER REQUIRE		PE-201802
SIZE					NO.	9031010 CY	N		LF		T 9031210 LBS		LF LF		B1220 NO L BS EACH		TOTAL 9	031250A LF	LF LF	9031270 F LF	9031271A EA	9031273A EA		LF LF	9031280 LF	9031272A !	9031281A EA	9031285 EA	9031241 EA			THIS SHEET HA SYGNED, SEALED A ELECTRONIC
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				TOT		* BBEVKV#										**********	11-16		*****	X	,				140		30					
						* BREAKAW ** BACKING	G BARS	ARE TO	TALED	WITH STE	RUCTURAL	STEEL OF	R PIPE	POSTS.	0313.						RAL SŢ	EEL PO	ST AND	D FOOT		ATA TAB	LE					
															7		POST_DES			GHT	STUB	DIA. LE				4:1 GF		3:1 OR 2				
						ROUN NOM.SIZE		PE P	OST	AND F	OOT I NO	DATA		LE ONCRETE	+	-	NO .	W6	9.0		LENGTH 3 0	15 3	0 0.	14 3 2	H C.Y.	3 3	0.16	DEPTH 3'-6"	C . Y			
						(IN.)	LBS/F	T LBS		LENGTH	DIA.	DEPT	'H	C.Y.	1		3	W6 W8	15.0 18.0	1.50	4 0 4 6	24 4 28 4	'-0" 0.	47 4 2 71 4 8	" 0.50 " 0.73	4 3	0.74	4'-6" 5'-0"	0.54			3
						2½ 3	5.79 7.58	0.	63	4 3½ 4 3½	12"	4~6	•	0.13	1		5	W10 W10	22.0 26.0	2.17	5 0 5 0	36 ° 5'	0 1	31 5 2 31 5 3	1.37	5'-5"	1.43	5'-6" 5'-9"	1 . 45 1 . 52	Γ	D-29	
						4	10.79	0.	90	5 3½	18	5~6	-	0.36	J		6	W12	35.0	2.92	5 6	36 " 5'	-6" 1.	44 5 - 9	1.52	5'-11"	1.56	6'-3"		 D1_J7P3511_I1_d29		:49 PM 7

		STANI	DARD SIG	GN AS	SEMBL	IES									SIGN SUM	MARY		
							TYPE									SIZE, TYPE & SQU	ARE FEET	
N NUMBER	SHEET	SIDE	LOCATION	S I GN DI	ESCR I P		IZES &		ER OF	EACH	STANDARD SIGN OR SPECIAL SIGN NUMBER	SIGN DETAIL SHEET NO.	NO. EACH	SIZE	FLAT SHEET SH ITEM NO. 9035004A	FLAT SHEET FLUORESCENT SHF *	STRUCTURAL ST ITEM NO.	STRUCTURAL FLUORESCENT STF * ITEM NO. 9035071A
SIGN					W16-7P	林	AHEAD				W11-2		6	36"x36"	9035004A	9035069A 54	9035011A	9035071A
				W11 • 2	W16-7P	\$1-1	W16-9P				W16-7P		6	30"x18"		22.5		
1	5	NW	BUTLER	1	1						S1-1		4	36"x36"		36		
2	5	NE	BUTLER	1	1						W16-9P	-	4	30"x18"		15		
3 4	<u> </u>	SW SE	BUTLER BUTLER	1 1	1						· · · · · · · · · · · · · · · · · · ·		,	,				
5	5	N N	BUTLER	1	1		1											
j	5	S	BUTLER	1			1											
	6	NW	BUTLER		1	1												
<u> </u>	6	NE	BUTLER		1	1												
	6	N	BUTLER			1 1	1				· ·							
0	6	S	BUTLER			1	1				· · · · · · · · · · · · · · · · · · ·							
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		1			1					1				TOTAL		127.5		
														IOTAL		121,3		

* ORANGE, YELLOW & YELLOW/GREEN



DATE PREPARED

7/15/2025

ROUTE STATE

VAR MO
DISTRICT SHEET NO.
SW 17

COUNTY
BATES

JOB NO.
J7P3511

CONTRACT ID.

PROJECT NO.

TE DESCRIPTION

MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION

MODOT

105 WEST CAPITOL
JEFFERSON CITY, MO 65102

800 E 101st Terr., Ste. 200 Kansas City, MO 64131 Phone (816) 701-3100 Fax (816) 942-3013



CALHOUN

A.A.D.T. - 2022 = 426

V = 30 M.P.H. FUNCTIONAL CLASSIFICATION - MAJOR COLLECTOR

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

PLANS FOR PROPOSED

STATE HIGHWAY

HENRY COUNTY

KEY MAP LOCATION OF HENRY COUNTY

NO NEW R/W REQUIRED

CONVENTIONAL SYMBOLS (USED IN PLANS)

BUILDINGS AND STRUCTURES ロモニコ GUARD RAIL •••• GUARD CABLE •••• CONCRETE RIGHT-OF-WAY MARKER STEEL RIGHT-OF-WAY MARKER LOCATION SURVEY MARKER \circ UTILITIES FIBER OPTICS -F0- - TU - - OTV - - UTV - - OT - - UT - - OE - - UE - - S - - SS -OVERHEAD CABLE TV -UTV -OT--UT--OE-UNDERGROUND CABLE TV OVERHEAD TELEPHONE UNDERGROUND TELEPHONE OVERHEAD POWER UNDERGROUND POWER SANITARY SEWER STORM SEWER SAN HYD WW WATER MANHOLE FIRE HYDRANT WATER VALVE WATER METER °' DROP INLET = DITCH BLOCK GROUND MOUNTED SIGN LIGHT POLE H-FRAME POWER POLE TELEPHONE PEDESTAL Δ FENCE CHAIN LINK WOVEN WIRE GATE POST \boxtimes BENCHMARK

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES

RTE J RTE J BEGIN LOG MILE END LOG MILE 0.000 N 0.300 N 23 122 T0443 **NE-900** 26 27 1540004 NE-60 11 9 930006 1810006 NE-470 RTE V RTE V END LOG MILE BEGIN LOG MILE 7.129 N 7.128 N

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 SUITABLILITY 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) (6 SHEETS)	2
QUANTITIES (QU) (2 SHEETS)	3
PLAN (PL)	4 - 7
TRAFFIC CONTROL SHEETS (TC)	8 - 10

	W		5		1 NC).
			NO 339			
			CT			_
	PRO	OJE	СТ	NO.		_
	BR	IDC	6E N	10.		
DESCRIPTION			•	•	•	
DATE						

WESLEY A. O'NEAL

NUMBER PE-2018021231 SONAL EN

9/4/2025

J.·V

LENGTH OF PROJECT

BEGINNING OF ROUTE J	LOG MILE	0.000 N
END OF ROUTE J	LOG MILE	0.300 N
BEGINNING OF ROUTE V	LOG MILE	7.128 N
END OF ROUTE V	LOG MILE	7.129 N
APPARENT LENGTH EQUATIONS: NONE	1589.	28 FEET
EXCEPTIONS: 1. BRIDGE A2308 LOG MILE 0.053 TO LOG MILE		3.1 FEET

TOTAL CORRECTIONS

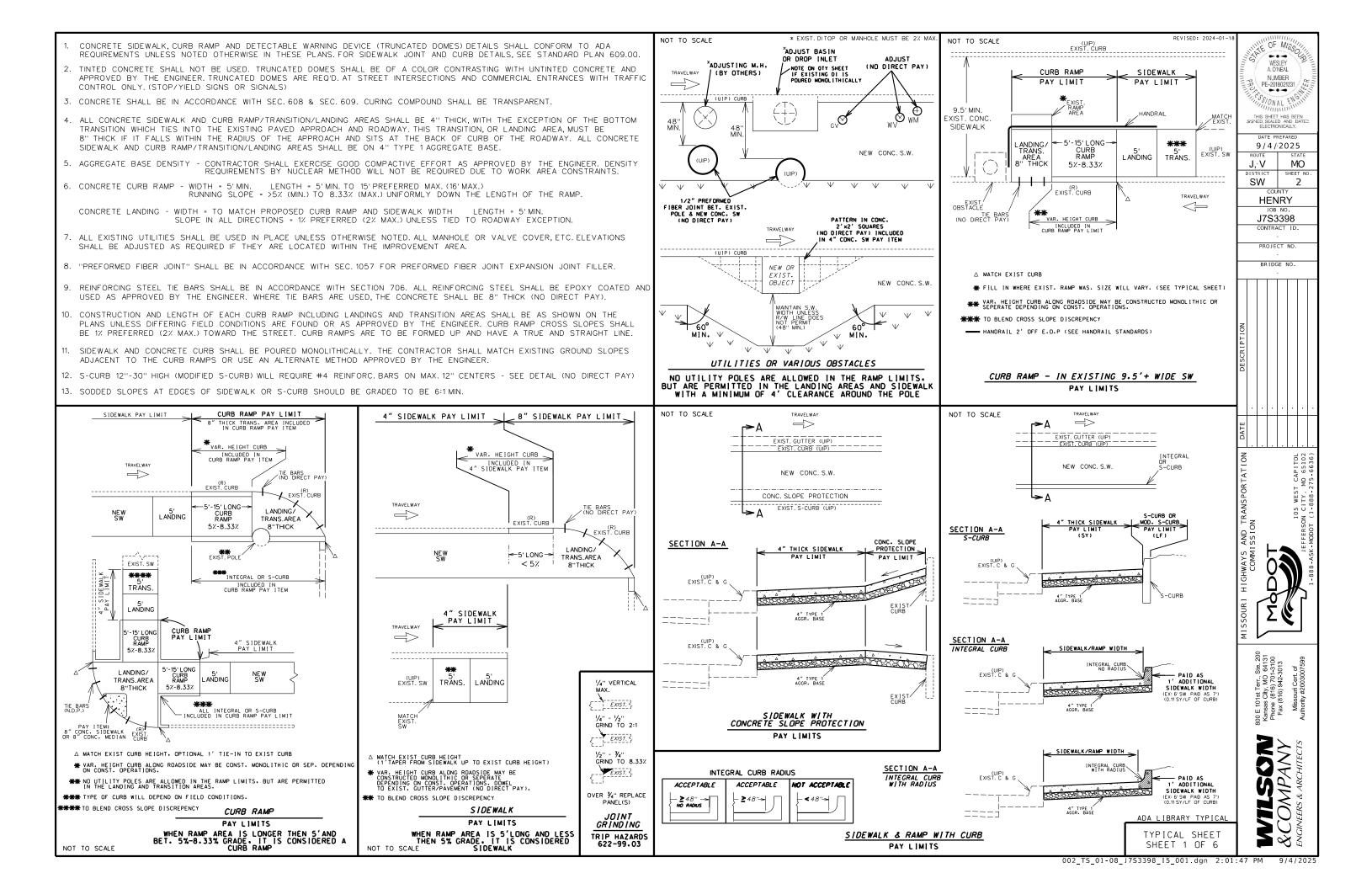
STATE LENGTH

NET LENGTH OF PROJECT

FOR INFORMATION ONLY ESTIMATED DISTURBED ACRES

0.2 ACRES

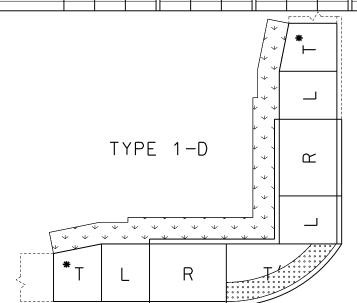
-138.1 FEET 1451.18 FEET 0.301 MILES

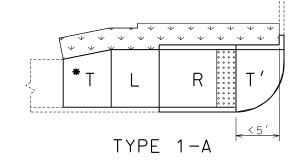


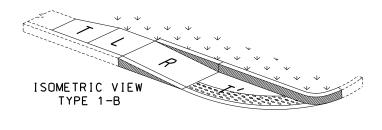
LENGTH (LF)		8			12			16		REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	18.0	24.0	-	18.0	24.0	-	18.0	24.0	
CURB RAMP SY	-	18.6	22.8	-	24.0	29.0	-	29.3	35.3	
CONC. SIDEWALK SY	-	11.2	12.8	-	11.2	12.8	-	9.8	11.4	
TYPE 1 AGGREGATE SY	-	29.8	35.6	-	35.2	41.8	-	39.1	46.7	
ADA LINEAR GRADINGLF	-	42.0	50.0	-	57.0	61.0	-	67.0	72.0	
SODDING SY	-	11.0	11.3	-	13.0	13.3	-	14.5	14.9	

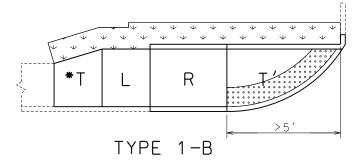
TYPE 1-E										
LENGTH (LF)		8			12			16		REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	18.0	24.0	-	18.0	24.0	-	18.0	24.0	
CURB RAMP SY	-	14.8	19.0	-	20.1	25.2	-	25.5	31.4	
CONC. SIDEWALK SY	-	11.2	12.8	-	11.2	12.8	-	9.8	11.4	
TYPE 1 AGGREGATE SY	-	26.0	31.8	-	31.3	38.0	-	35.3	42.8	
ADA LINEAR GRADINGLF	-	43.0	46.0	-	52.0	55.0	-	59.0	62.0	
SODDING SY	-	13.3	13.6	-	16.0	16.9	-	18.6	19.3	

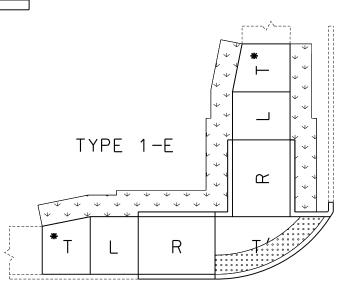
TYPE 1-F										
LENGTH (LF)		8			12			16		REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	14.0	16.0	-	14.0	16.0	-	14.0	16.0	
CURB RAMP SY	-	15.5	19.0	-	20.8	25.2	-	26.2	31.4	
CONC. SIDEWALK SY	-	11.2	12.8	-	11.2	12.8	-	9.8	11.4	
TYPE 1 AGGREGATE SY	-	26.7	31.8	-	32.0	38.0	-	36.0	42.8	
ADA LINEAR GRADINGLF	-	43.0	46.0	-	52.0	55.0	-	59.0	62.0	
SODDING SY	ı	18.4	18.8	-	22.4	22.8	-	25.6	25.9	

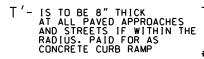












T - TRANSITION TO EXISTING SW OR PAVED APPROACH (LANDING PREFERED AT PAVED APPROACH IF CONDITIONS ALLOW)

T IS STILL NEEDED EVEN IF THE EXISTING SIDEWALK IS THE SAME WIDTH AS THE NEW SIDEWALK.(IT WILL BLEND THE EXIST XSLOPE INTO THE NEW LANDING XSLOPE)

- LANDING

R - RAMP

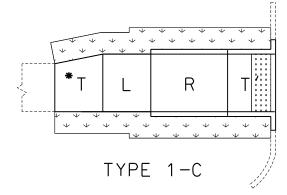
- CURB RAMP PAY LIMITS

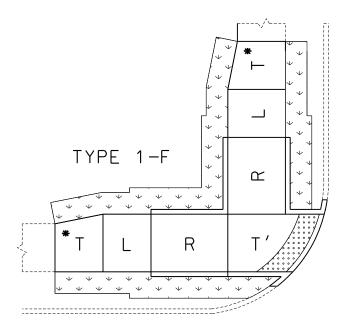
→ → - SOD SLOPE 6:1 MIN.

- TRUNCATED DOME LOCATION IF DIST. IS < 5' OR >5'

TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING YIELD / STOP SIGNS OR SIGNALS

OUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS.





ADA LIBRARY TYPICAL

TYPE 1

PERPENDICULAR CURB RAMPS

TYPICAL SHEET 2 OF 6

WESLEY A. O'NEAL NUMBER NUMBER PE-2018021231

REVISED: 2022-05-18

9/4/2025 J,·V МО SHEET NO 2 SW

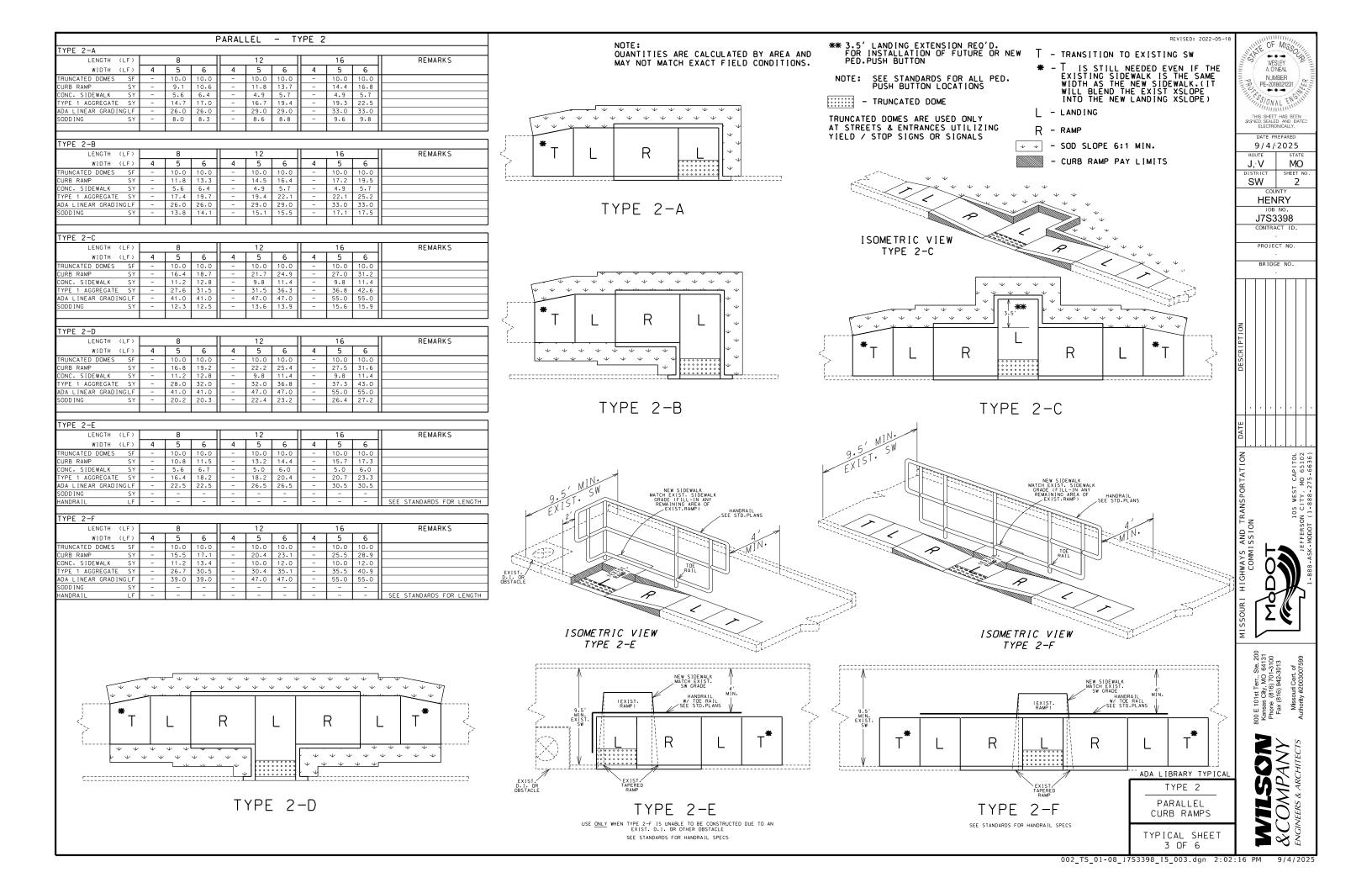
HENRY J7S3398

CONTRACT ID. PROJECT NO.

BRIDGE NO.

800 E 101st Terr., Ste. 200 Kansas City, MO 64131 Phone (816) 701-3100 Fax (816) 942-3013

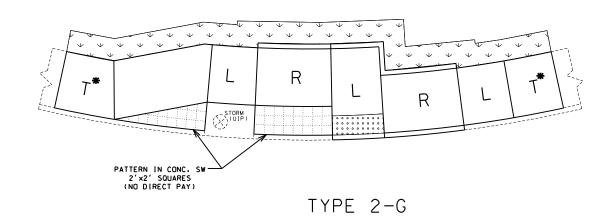
205



PARALLEL - TYPE 2 (cont'd.)										
TYPE 2-G										
LENGTH (LF)		8			12			16		REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	12.0	12.0	-	10.0	10.0	-	10.0	10.0	
CURB RAMP SY	-	15.7	18.0	-	20.8	23.7	-	25.8	30.2	
CONC. SIDEWALK SY	-	21.4	25.0	-	17.6	20.3	-	15.2	17.5	
TYPE 1 AGGREGATE SY	-	37.1	43.0	-	38.4	44.0	-	41.0	47.7	
ADA LINEAR GRADINGLF	-	52.0	52.0	-	54.0	54.0	-	58.0	58.0	
SODDING SY	-	13.6	13.6	-	13.7	13.5	-	14.5	14.9	

TYPE 2-H										
LENGTH (LF)		8			12			16		REMARKS
WIDTH (LF)	4	5	6	4	5	6	4	5	6	
TRUNCATED DOMES SF	-	12.0	12.0	-	10.0	10.0	-	10.0	10.0	
CURB RAMP SY	-	15.7	18.0	-	21.0	24.5	-	26.9	31.4	
CONC. SIDEWALK SY	_	13.2	16.0	_	12.0	14.2	_	12.0	14.4	
TYPE 1 AGGREGATE SY	-	28.9	34.0	-	33.0	38.6	-	38.9	45.8	
ADA LINEAR GRADINGLF	-	42.0	42.0	-	49.0	49.0	-	55.0	55.0	
SODDING SY	-	11.1	11.2	-	12.5	12.5	-	14.5	14.9	

ISOMETRIC VIEW
TYPE 2-G



T* - IS STILL NEEDED EVEN IF THE EXISTING SIDEWALK IS THE SAME WIDTH AS THE NEW SIDEWALK.(IT WILL BLEND THE EXIST XSLOPE INTO THE NEW LANDING XSLOPE)

T - TRANSITION TO EXISTING SW

L - LANDING

R - RAMP

→ → - SOD SLOPE 6:1 MIN.

- TRUNCATED DOME LOCATION IF DIST. IS <5' OR > 5'

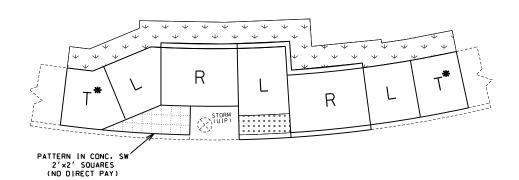
TRUNCATED DOMES ARE USED ONLY AT STREETS & ENTRANCES UTILIZING YIELD / STOP SIGNS OR SIGNALS

- CURB RAMP PAY LIMITS

- INCLUDED IN 4" CONC. SIDEWALK
PAY LIMIT

NOTE: OUANTITIES ARE CALCULATED BY AREA AND MAY NOT MATCH EXACT FIELD CONDITIONS.

ISOMETRIC VIEW
TYPE 2-H



TYPE 2-H

ADA LIBRARY TYPICAL

TYPE 2

PARALLEL

CURB RAMPS

TYPICAL SHEET 4 OF 6

TING SW

WESLEY
A ONEAL
NUMBER
PE-2018021231

THIS SHEET HAS BEEN
NOVED SEALD AND DATE:
ELECTRONICALLY.

DATE PREPARED
9 / 4 / 2025

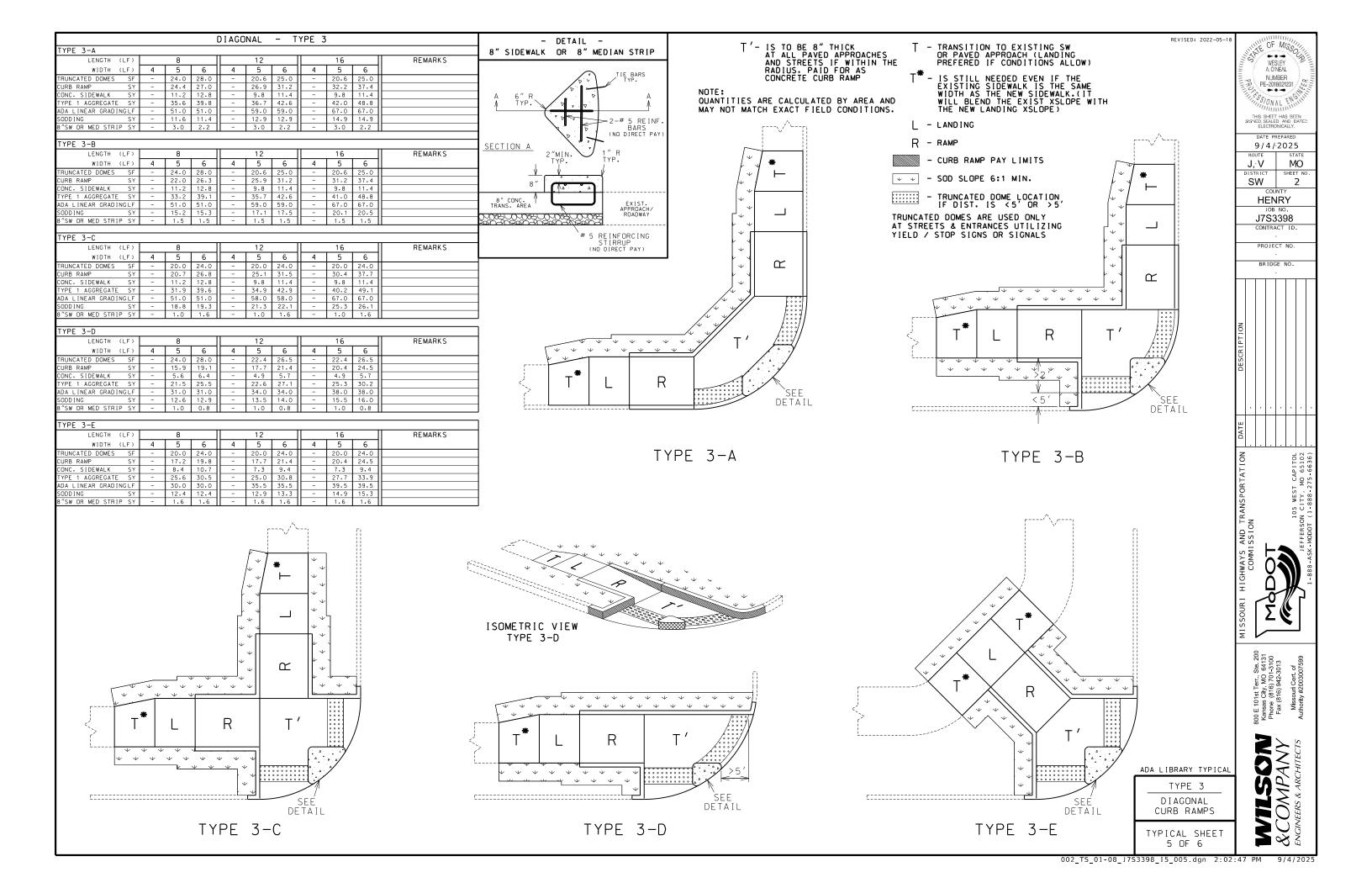
ROUTE STATE
J, V MO
DISTRICT SHEET NO.
SW 2
COUNTY
HENRY
JOB NO.
J753398
CONTRACT ID.
DRIDGE NO.

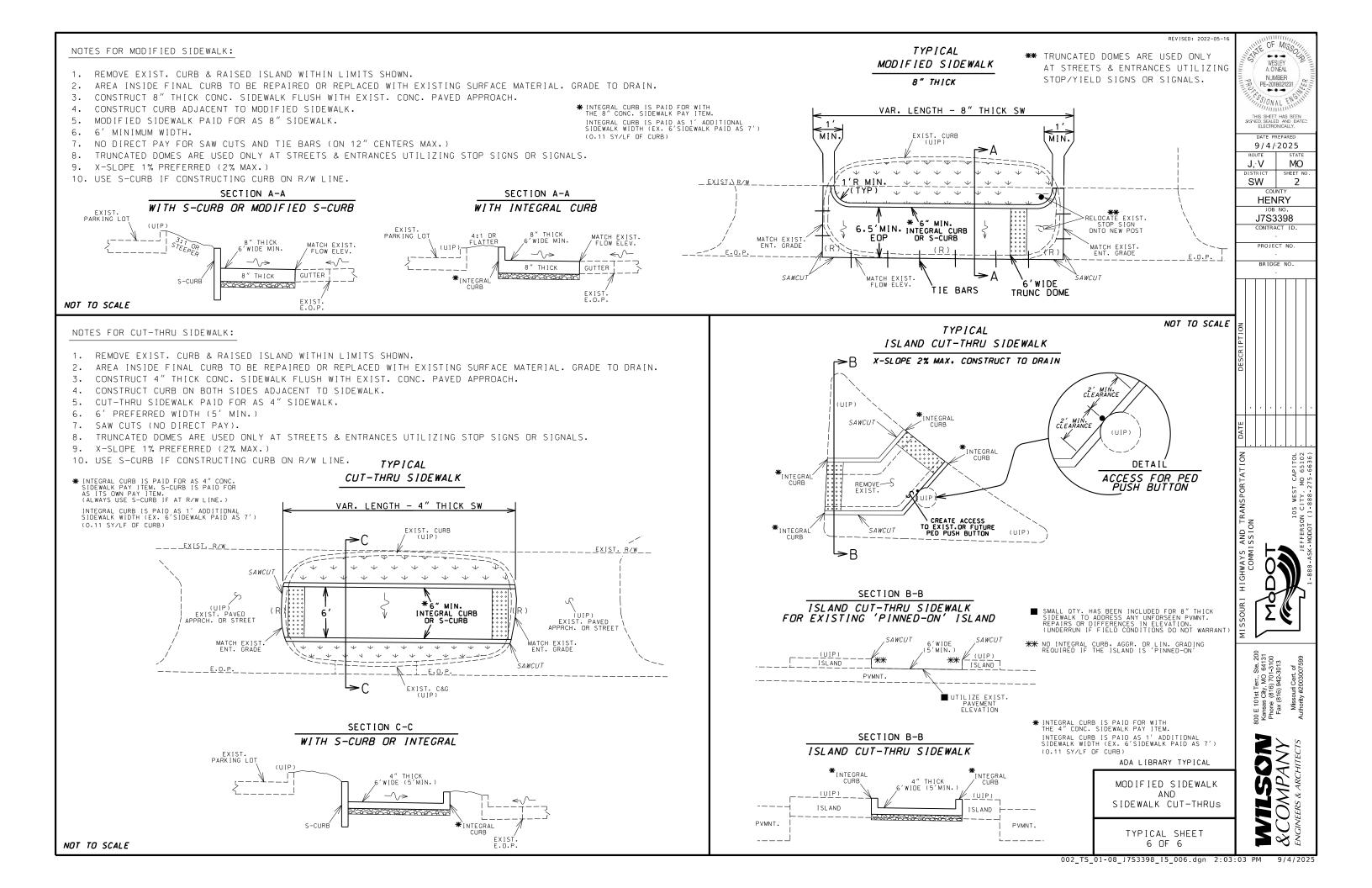
BRIDGE NO.

NOILL
DRIDGE NO.

WOLL
DRIDGE NO.

800 E 101st Terr., Ste. 200 Kansas City, MO 64131 Phone (816) 701-3100 Fax (816) 942-3013





MOBILIZATION - LUMP SUM 1

CONTRACTOR FURNISHED SURVEYING AND STAKING - LUMP SUM 1

	REMOVAL OF IMPROVEMENTS									
SHEET	LOCATION	DESCRIPTION	REMARKS							
4 - 7	CALHOUN	APPROX 536 SY SIDEWALK								
4 - 7	CALHOUN	APPROX 20 LF CMP								
			ALL VERTICAL SAW CUTS SHALL BE							
	TOTAL	LUMP SUM 1	INCIDENTIAL TO REMOVALS							

SILT FENCE - 150 LF AS DIRECTED BY THE ENGINEER

	CONCRETE SIDEWALK										
				CONCRETE	CONCRETE		4" TYPE	LINEAR GRADING			
				SIDEWALK	SIDEWALK	TRUNCATED	1 OR 5	FOR ADA			
				4 "	8"	DOMES	AGG BASE	FACILITIES			
SHEET	1	_OCATIC	ON	(SY)	(SY)	(SF)	(SY)	(STA)	REMARKS		
4	RTE J	LT	CALHOUN	205.2	6.2		225.6	3.7			
5	RTE J	LT	CALHOUN	282.7	30.5	40.0	522.3	5.5			
5	RTE J	RT	CALHOUN	41.6	8.8		70.0	1.0			
6	RTE J	LT	CALHOUN	263.5	22.1		337.5	5.2			
6	RTE J	RT	CALHOUN	52.7	1.2		57.2	1.0			
7	HWY V	WEST	CALHOUN	6.7		10.0		0.1			
7	HWY V	EAST	CALHOUN	9.2		10.0		0.2			
			TOTAL	861.4	68.8	60.0	1212.7	16.5			
			USE				1213				

	WATER VALVE HEIGHT ADJUSTMENT										
WATER VALVE											
SHEET	LOC	CATION	(EA)	REMARKS							
5	LT	CALHOUN	1								
		TOTAL	1								

GROUP B PIPE										
SHEET		_OCATIO	DN	15 INCH ROUND EQUIV. PIPE GROUP B (LF)	REMARKS					
5	RTE J	LT	CALHOUN	31.0						
			TOTAL	31.0						

	GRAVEL (A) OR CRUSHED STONE (B)											
SHEET		LOCATIO	AREA (SY)	REMARKS								
4	RTE J	LT	CALHOUN	37.4								
5	RTE J	LT	CALHOUN	209.1								
5	RTE J	RT	CALHOUN	16.2								
6	RTE J	LT	CALHOUN	51.9								
6	RTE J	RT	CALHOUN	3.4								
			TOTAL	318.0								

SODDING					
CUEET	LOCATION	SODDING	DEMARKS		
SHEET	LOCATION	(SY)	REMARKS		
4	CALHOUN	203.3			
5	CALHOUN	361.1			
6	CALHOUN	341.7			
	TOTAL	906.1			
	USE	906			

SODDING						
SHEET	SODDING LOCATION (SY) REMAR					
4	CALHOUN	203.3				
5	CALHOUN	361.1				
6	CALHOUN	341.7				
	TOTAL	906.1				
	USE	906				

	PAVEMENT MARKING						
	PREFORMED THERMOPLASTIC PAVEMENT MARKING PAVEMENT MARKING REMOVAL 30 IN. MIDBLOCK WHITE (SYMBOL)						
SHE	EET	LOCATION	(EA)	REMARKS			
7	7	CALHOUN	30.0	5.0			
		TOTAL	30.0	5.0			

	SEEDING						
			COOL SEASON	MULCHING			
			GRASSES	(ACRE)			
SHEET	LOCATION		(ACRE)		REMARKS		
4 - 5	LT	CALHOUN	0.1	0.1			
		TOTAL	0.1	0.1			

CLEARING AND GRUBBING					
CLEARING & GRUBBING					
SHEET	LOCATION		(LS)	REMARKS	
5	LT	CALHOUN	1.00	TREE REMOVAL	
5	RT	CALHOUN	1.00 TREE REMOV		
		TOTAL	1.00		

QUANTITIES SHEET SHEET 1 OF 2







						EFFECTIVE: 04-01-2023
TOTAL QTY TOTAL SIGN		QTY TOTAL				
SIZE AREA QTY AREA RELOCRELOC NUM.		SIZE AREA QTY TOTAL RELOCRELOC	C NUM.			
SIGN IN SQ FT EACH SQ FT EACH SQ FT		SIGN IN SQ FT EACH SQ FT EACH SQ FT	.	ІТЕМ Т	TOTAL	
WARNING SIGNS	DESCRIPTION	GUIDE SIGNS	DESCRIPTION	NUMBER	QTY	DESCRIPTION
WO1-1L 48X48 16.00	TURN (SYMBOL LEFT ARROW)	E05-1 36X48 12.00	GORE EXIT	6122008	٠	IMPACT ATTENUATOR 40 MPH (SAND BARRELS)
WO1-1R 48X48 16.00	TURN (SYMBOL RIGHT ARROW)	E05-2 48X36 12.00	EXIT OPEN	6122009		IMPACT ATTENUATOR 45 MPH (SAND BARRELS)
WO1-2L 48X48 16.00	CURVE (SYMBOL LEFT ARROW)	E05-2a 48X36 12.00	EXIT CLOSED	6122010		IMPACT ATTENUATOR 50 MPH (SAND BARRELS)
WO1-2R 48X48 16.00	CURVE (SYMBOL RIGHT ARROW)	GO20-1 60X24 10.00 2 20.00	ROAD WORK NEXT XX MILES	6122012		IMPACT ATTENUATOR 55 MPH (SAND BARRELS)
WO1-3L 48X48 16.00	REVERSE TURN (SYMBOL LEFT ARROW)	GO20-2 48X24 8.00 2 16.00	END ROAD WORK	6122014		IMPACT ATTENUATOR 60 MPH (SAND BARRELS)
WO1-3R 48X48 16.00	REVERSE TURN (SYMBOL RIGHT ARROW)	GO20-4 36X18 4.50	PILOT CAR FOLLOW ME	6122017		IMPACT ATTENUATOR 65 MPH (SAND BARRELS)
WO1-4L 48X48 16.00	REVERSE CURVE (SYMBOL LEFT ARROW)	GO20-4a 42X30 8.75	PILOT CAR IN USE WAIT & FOLLOW	6161008		IMPACT ATTENUATOR 70 MPH (SAND BARRELS)
WO1-4R 48X48 16.00	REVERSE CURVE (SYMBOL RIGHT ARROW)	GO20-4a 18X12 1.50	PILOT CAR IN USE WAIT & FOLLOW	6161012		REPLACEMENT SAND BARREL
WO1-4bL 48X48 16.00	DOUBLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	GO20-5aP 36X24 6.00 4 24.00	WORK ZONE (PLAQUE)	6161013		IMPACT ATTENUATOR (RELOCATION)
WO1-4bR 48X48 16.00	DOUBLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)	MO4-8a 24X18 3.00	END DETOUR	6123001		TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)
WO1-4cL 48X48 16.00	TRIPLE ARROW REVERSE CURVE (SYMBOL LT ARROWS)	MO4-9L 48X36 12.00	DETOUR (LEFT ARROW)	6161008		ADVANCED WARNING RAIL SYSTEM
WO1-4cR 48X48 16.00	TRIPLE ARROW REVERSE CURVE (SYMBOL RT ARROWS)	MO4-9R 48X36 12.00 MO4-9P 48X12 4.00	DETOUR (RIGHT ARROW)	6161012		BUOYS (BOATS KEEP OUT)
W01-6 60X30 12.50 W01-6a 72X36 18.00	HORIZONTAL ARROW (SYMBOL) HORIZ. ARROW (SYMBOL ON PERMANENT BARRICADE)	MO4-9P 48X12 4.00 MO4-10L 48X18 6.00	STREET NAME (PLAQUE)	6161013		BUOYS (NO WAKE) SPECIAL SIGN ASSEMBLY (BOATS KEEP OUT)
WO1-7 60X30 12.50	DOUBLE HEAD HORIZONTAL ARROW (SYMBOL)	MO4-10L 48X18 6.00	DETOUR (ARROW LEFT) DETOUR (ARROW RIGHT)	6161014		CHANNELIZER (TRIM LINE)
WO1-7 00X30 12.30 WO1-7a 72X36 18.00	DOUBLE HEAD HORIZ. ARROW (SYMBOL ON PERM. BARR.)	NO4-10K 48×18 0.00	DETOUR (ARROW RIGHT)	6161030		TYPE III MOVEABLE BARRICADE
WO1-8 18X24 3.00	CHEVRON (SYMBOL)	R1-1 48X48 13.25	STOP	6161033		DIRECTION INDICATOR BARRICADE
WO1-8a 30X36 7.50	CHEVRON (SYMBOL FOR DIVIDED HIGHWAYS)	R1-2 48TRI 6.93	YIELD	6161040		FLASHING ARROW PANEL
WO3-1 48X48 16.00	STOP AHEAD (SYMBOL)	R1-2a 36X36 9.00	TO ONCOMING TRAFFIC (PLAQUE)	6161047		TYPE III OBJECT MARKER
WO3-2 48X48 16.00	YIELD AHEAD (SYMBOL)	R1 - 3P 30X12 2.50	ALL WAY (PLAQUE)	6161055		SEQUENTIAL FLASHING WARNING LIGHT
WO3-3 48X48 16.00	SIGNAL AHEAD (SYMBOL)	R2 - 1 36X48 12 .00 2 24.00	SPEED LIMIT (2X 20 MPH)	6161070		TUBULAR MARKER
WO3-4 48X48 16.00	BE PREPARED TO STOP	R3-1 48X48 16.00	NO RIGHT TURN (SYMBOL)	6161095		RADAR SPEED ADVISORY SYSTEM
WO3-5 48X48 16.00 2 32.00	SPEED LIMIT AHEAD	R3-2 48X48 16.00	NO LEFT TURN (SYMBOL)	1		CHANGEABLE MESSAGE SIGN,
WO4-1L 48X48 16.00	MERGE (SYMBOL FROM LEFT)	R3-3 36X36 9.00	NO TURNS	6161096		COMMISSION FURNISHED/RETAINED
WO4-1R 48X48 16.00	MERGE (SYMBOL FROM RIGHT)	R3-4 48X48 16.00	NO U-TURN (SYMBOL)		_	CHANGEABLE MESSAGE SIGN W/O COMM.
WO4-1aL 48X48 16.00	MERGE (ARROW SYMBOL)	R3-7L 30X30 6.25	LEFT LANE MUST TURN LEFT	6161098A	2	INTERFACE - CONTRACTOR FURNISHED/RETAINED
WO4-1aR 48X48 16.00	MERGE (ARROW SYMBOL)	R3-7R 30X30 6.25	RIGHT LANE MUST TURN RIGHT			CHANGEABLE MESSAGE SIGN WITH COMM.
WO5-1 48X48 16.00	ROAD/BRIDGE/RAMP NARROWS	R4-1 36X48 12.00	DO NOT PASS	6161099		INTERFACE - CONTRACTOR FURNISHED/RETAINED
WO5-3 48X48 16.00	ONE LANE BRIDGE	R4-2 36X48 12.00	PASS WITH CARE	6162000A		WORK ZONE TRAFFIC SIGNAL SYSTEM
WO5-5 48X48 16.00	NARROW LANES	R4-8a 36X48 12.00	KEEP LEFT (HORIZONTAL ARROW)	6162002		TEMPORARY LONG-TERM RUMBLE STRIPS
WO6-1 48X48 16.00	DIVIDED HIGHWAY (SYMBOL)	R4-7a 36X48 12.00	KEEP RIGHT (HORIZONTAL ARROW)			TEMPORARY TRAFFIC BARRIER
WO6-2 48X48 16.00	DIVIDED HIGHWAY END (SYMBOL)	R5-1 30X30 6.25	DO NOT ENTER	6173600D		CONTRACTOR FURNISHED/RETAINED
WO6-3 48X48 16.00	TWO WAY TRAFFIC (SYMBOL)	R5-1a 36X24 6.00	WRONG WAY			TEMPORARY TRAFFIC BARRIER
WO7-3a 30X24 5.00	NEXT XX MILES (PLAQUE)	R6-1L 54X18 6.75	ONE WAY ARROW (LEFT)	6173602B		CONTRACTOR FURNISHED/COMMISSION RETAINED
WO8-1 48X48 16.00	BUMP	R6-1R 54X18 6.75	ONE WAY ARROW (RIGHT)	6174000A		TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
WO8-2 48X48 16.00	DIP	R6-2L 24X30 5.00	ONE WAY (LEFT)	6175010A		RELOCATING TEMPORARY TRAFFIC BARRIER
WO8-3 48X48 16.00	PAVEMENT ENDS	R6-2R 24X30 5.00	ONE WAY (RIGHT)]]		TEMPORARY TRAFFIC BARRIER
WO8-4 48X48 16.00	SOFT SHOULDER	R9-9 24X12 2.00 8 16.00	SIDEWALK CLOSED	6176000B		COMMISSION FURNISHED/RETAINED
WO8-5 48X48 16.00	SLIPPERY WHEN WET (SYMBOL)		SIDEWALK CLOSED AHEAD			TEMP. TRAFFIC BARRIER HEIGHT TRANSITION
WO8-6 48X48 16.00	TRUCK CROSSING (WITH FLAGS)	R9-11L 24X18 3.00	(ARROW LEFT) CROSS HERE	6177000B		COMMISSION FURNISHED/RETAINED
WO8-6c 48X48 16.00	TRUCK ENTRANCE		SIDEWALK CLOSED AHEAD	6208064A		TEMPORARY RAISED PAVEMENT MARKER
W08-7 36X36 9.00	LOOSE GRAVEL	R9-11R 24X18 3.00	(ARROW RIGHT) CROSS HERE	9029400		TEMPORARY TRAFFIC SIGNALS
W08-7a 36X36 9.00	FRESH OIL/LOOSE GRAVEL	R10-6 24X36 6.00	STOP HERE ON RED (45^ ARROW)	9029401		TEMPORARY TRAFFIC SIGNALS AND LIGHTING
W08-9 48X48 16.00	LOW SHOULDER	R11-2 48X30 10.00	ROAD CLOSED	1		10.4 00.00 1.44 0.40 0.40 0.40 0.40 0.40
W08-11 48X48 16.00	UNEVEN LANES	R11-3a 60X30 12.50	ROAD CLOSED XX MILES AHEAD	[6169902]	16	ADA COMPLIANT MOVEABLE BARRICADE
W08-12 48X48 16.00	NO CENTER LINE		LOCAL TRAFFIC ONLY	-		
W08-15 48X48 16.00	GROOVED PAVEMENT	R11-4 60X30 12.50	ROAD CLOSED TO THRU TRAFFIC	-		
W08-15P 30X24 5.00 W08-17 48X48 16.00	MOTORCYCLE (PLAQUE)	CONST -34 60X48 20.00	FINE SIGN SPEEDING/PASSING (PLATE)	-		
WO8-17 48X48 16.00 WO8-17P 30X24 5.00	SHOULDER DROP-OFF (SYMBOL) SHOULDER DROP-OFF (PLAQUE)	CONST-3X 56X12 4.67	SPEEDING/PASSING (PLATE)	-		
W10-1 42RND. 9.62	RAILROAD CROSSING	CONST-5 48X36 12.00	POINT OF PRESENCE	1		
W012-1 24X24 4.00	DOUBLE DOWN ARROW (SYMBOL)	CONST-5 96X48 32.00	POINT OF PRESENCE	-		
W012-1 24X24 4.00 W012-2 48X48 16.00	LOW CLEARANCE (SYMBOL)	CONST-7 48X24 8.00	RATE OUR WORK ZONE	-		
W012-2X 24X18 3.00	LOW CLEARANCE (PLAQUE)	CONST -7 72X36 18.00	RATE OUR WORK ZONE	1		
W012-2a 84X24 14.00	OVERHEAD LOW CLEARANCE (FEET AND INCHES)	CONST-8 48X36 12.00	WORK ZONE NO PHONE ZONE	-		
W012-4 120X60 50.00	LOW CLEARANCE XX FT XX IN XX MILES AHEAD	616 - 10 . 05 TOTAL	WORK ZONE NO THORE ZONE	J		
WO12-5 120X60 50.00	WIDTH RESTRICTION XX FT XX IN XX MILES AHEAD	CONSTRUCTION SIGNS 228.00				
W013-1 30X30 6.25	ADVISORY SPEED (PLAQUE)	616-10.10 TOTAL	1			
W016-2 30X24 5.00	XXX FEET (PLAQUE)	RELOCATED SIGNS **	1			
WO16-3 30X24 5.00	X MILE (PLAQUE)		_			
WO20-1 48X48 16.00 4 64.00	ROAD/BRIDGE/RAMP WORK AHEAD					
WO20-2 48X48 16.00	DETOUR AHEAD					
WO20-3 48X48 16.00	ROAD CLOSED AHEAD	** NO DIRECT PAY FOR RELOCATING TEMPORA	RY TRAFFIC CONTROL			
WO20-4 48X48 16.00	ONE LANE ROAD AHEAD	DEVICES.				
WO20-5 48X48 16.00	RIGHT/CENTER/LEFT LANE CLOSED AHEAD					
WO20-5a 48X48 16.00	2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD					

RIGHT/CENTER/LEFT LANE CLOSED

TURN OFF 2-WAY RADIO AND PHONE

FLAGGER (SYMBOL FRESH OIL

SHOULDER WORK AHEAD

BLASTING ZONE AHEAD

END BLASTING ZONE

WET PAINT (ARROW PIVOTS)

2 RIGHT/CENTER/LEFT LANES CLOSED AHEAD

WO20-5a 48X48 16.00

WO20-6a 48X48 16.00

WO21-5 48X48 16.00

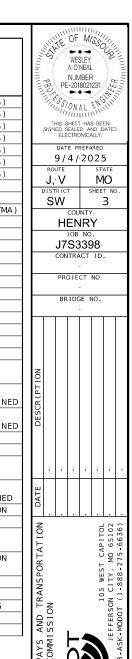
WO22-1 48X48 16.00 WO22-2 42X36 10.50

WO22-3 42X36 10.50

GO22-1 21X15 2.19

WO20-7a 48X48 16.00 2 32.00 WO21-2 36X36 9.00

SUMMARY OF QUANTITIES SHEET 2 OF 2



800 E 101st Terr., Ste. 200 Kansas City, MO 64131 Phone (816) 701-3100 Fax (816) 942-3013 Missouri Cert. of Authority #2003007599

