

						PAVEMENT MARKING QUANTITIES																	
						MMA				PREFORMED													
PHASE	SHEET	STATION START	STATION END	NEAREST START STREET	NEAREST END STREET	4" SOLID WHITE LINE (LF)	6" SOLID WHITE LINE (LF)	8" SOLID WHITE LINE (LF)	24" SOLID WHITE LINE (LF)	GREEN MARKING (SQ FT)	AA RIGHT ARROW (EA)	AB SHARED LANE (EA)	AC LEFT ARROW (EA)	AC BIKE (EA)	AD+AE STRAIGHT ARROW (EA)	AD+AE BIKE (EA)	AF BIKE (EA)	AG ONLY (EA)	AH BUS ONLY (EA)				
Base	4	445+00	468+00	74TH STREET	77TH STREET	5495	2627	821	15	2083	2		1	1	15	15	1	1	1				
Base	5	468+00	490+50	77TH STREET	81ST STREET	3832	1971	700		2136		10			10				4				
Base	6	490+50	511+00	81ST STREET	84TH STREET							18											
Base	7	511+00	519+00	84TH STREET	TROLLEY TRACK TRAIL							18											
		BASE BID				BASE BID				9,327	4,598	1,521	15	4,219	2	46	1	1	25	25	1	1	5
		TOTAL				TOTAL				9,327	4,598	1,521	15	4,219	2	46	1	1	25	25	1	1	5
NOTE:																							
1. CROSSWALKS AT 75TH STREET AND 79TH STREET ARE NOT INCLUDED.																							
2. PAVEMENT MARKINGS ON 75TH STREET ARE NOT INCLUDED.																							
3. LF OF MARKING IS THE ACTUAL LF OF MATERIAL. (SPACE BETWEEN MATERIAL IS NOT INCLUDED.)																							

		REMOVALS				
PHASE	SHEET	STATION START	STATION END	NEAREST START STREET	NEAREST END STREET	REMOVAL ITEMS
Base	4	445+00	468+00	74TH STREET	77TH STREET	EXISTING PAVEMENT MARKINGS 450' NORTH OF SB MLK "EX3" SIGN AND POST IN SE CORNER OF 75TH STREET AND MLK
Base	5	468+00	490+50	77TH STREET	81ST STREET	"EX3" AND "EX4" SIGNS AND POST ON NB MLK AT 77TH TERRACE
Base	6	490+50	511+00	81ST STREET	84TH STREET	"EX2" AIGN AND POST ON SB MLK NORTH OF 79TH STREET
Base	7	511+00	519+00	84TH STREET	TROLLEY TRACK TRAIL	NONE
						NONE
		BASE BID		BASE BID		1
		TOTAL		TOTAL		1

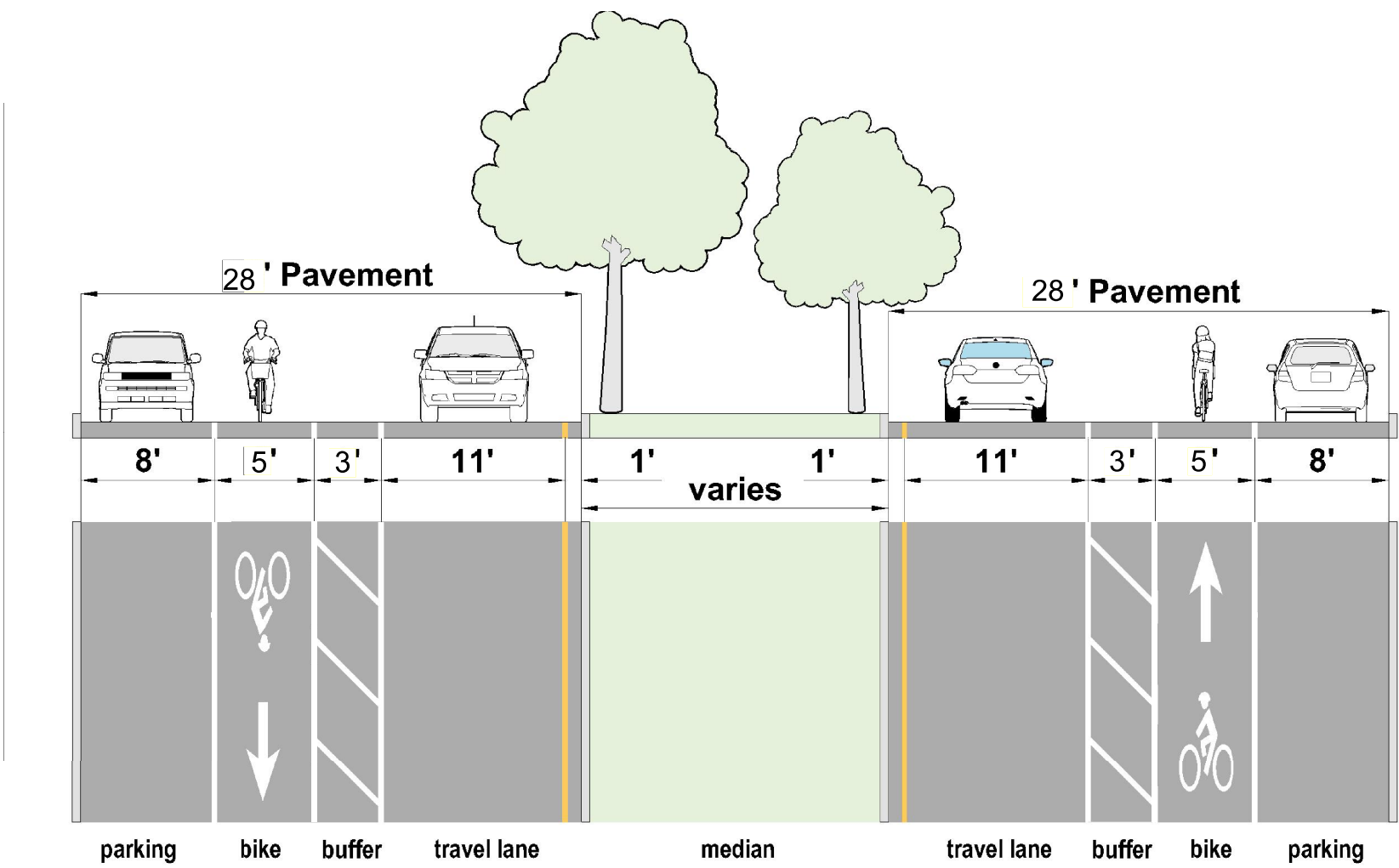
						PERMANENT SIGNING													
SIGN DESIGNATION -->						A	B	C	D	E	F	G	H	I	J	K	L		
SIGN -->						BIKE LANE	BIKE LANE W/ BEGINS	BIKE LANE W/ ENDS	MAY USE FULL LANE	BIKE ROUTE W/ARROWS	TURNING VEHICLE YIELD TO BIKES	THRU TRAFFIC MERGE LEFT	RIGHT LANE MUST TURN RIGHT	NO TURN ON RED	BIKE LANE NEXT TO PARKING LANE	STOP HERE ON RED	SIGN POST		
MUTCD-->						R3-17	R3-17 R3-9cP	R3-17 R3-17bP	R4-11	D11-1 M6-4	R10-15	W4-7L	W4-7R	R3-7R	R10-11b	R9-7	R10-6a		
PHASE	SHEET	STATION START	STATION END	NEAREST START STREET	NEAREST END STREET	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	(EA)	
Base	4	445+00	468+00	74TH STREET	77TH STREET	6	1	1			1	3		2	2	8	1	16	
Base	5	468+00	490+50	77TH STREET	81ST STREET	4	1	1	2						4			8	
Base	6	490+50	511+00	81ST STREET	84TH STREET											4		4	
Base	7	511+00	519+00	84TH STREET	TROLLEY TRACK TRAIL				2									2	
		BASE BID SUBTOTAL			BASE BID SUBTOTAL	10	2	2	8		1	3		2	2	12	1	30	
		TOTAL			TOTAL	10	2	2	8		1	3		2	2	12	1		

PAVEMENT MARKING NOTES

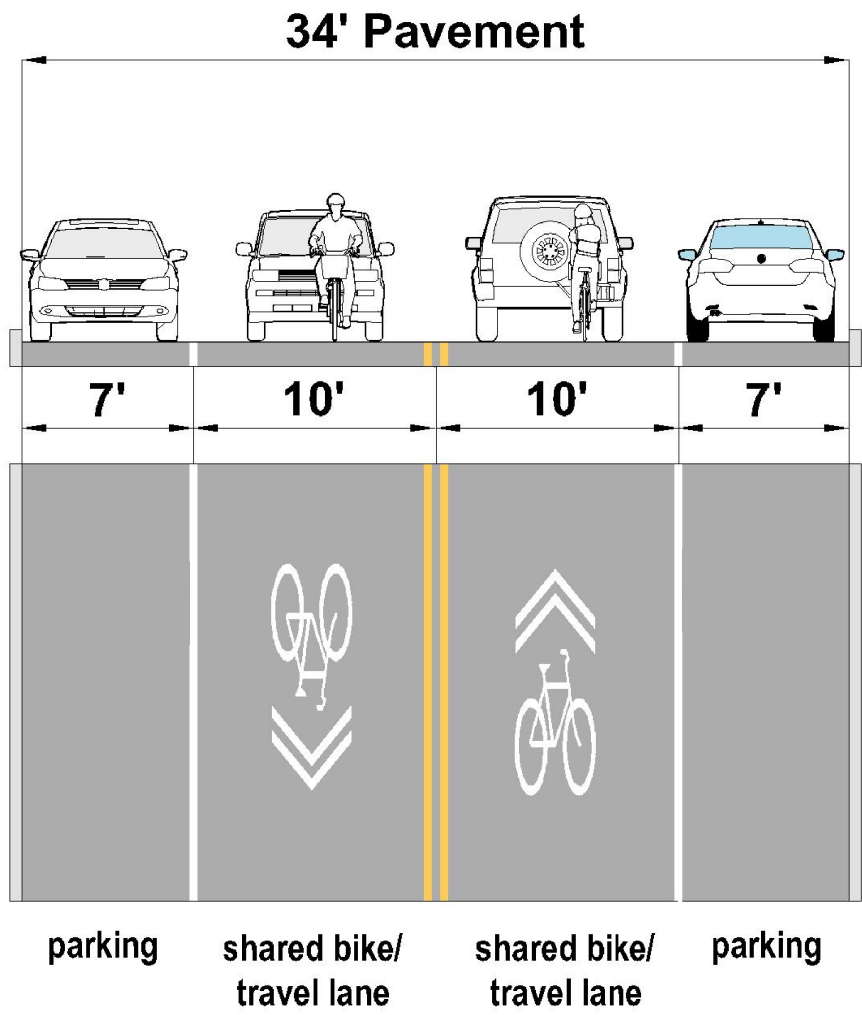
1. ALL PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). UNLESS OTHERWISE NOTED, LEGEND AND SYMBOL MARKINGS SHALL CONFORM TO THE LATEST EDITION OF THE STANDARD HIGHWAY SIGN BOOK, PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION.
2. PAVEMENT MARKINGS MATERIALS SHALL CONFORM TO APWA AND KCMO SPECIFICATIONS (SECTION 2306).
3. UNLESS OTHERWISE NOTED, ALL PAVEMENT MARKING SYMBOLS SHALL BE CENTERED IN THEIR RESPECTIVE LANES.

SIGNING NOTES

1. ALL SIGNING SHALL CONFORM TO THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. DESIGN DETAILS FOR PROPOSED SIGNS (COLOR, LETTER HEIGHT, LETTER SERIES) SHALL BE AS SHOWN ON THE STANDARD HIGHWAY SIGNS MANUAL (LATEST EDITION) UNLESS OTHER DETAILS ARE SHOWN ON THE PLANS. SIGN SHEETING SHALL BE MODOT TYPE 2 OR 3 RETROREFLECTIVE SHEETING AS IDENTIFIED ON THE QUANTITY TABLE.
3. ALL SIGNING MATERIALS (SIGNS, POSTS, SHEETING, BOLTS, NITS, WASHERS, ETC.) SHALL COMPLY WITH THE SECTION 903 OF THE MOST CURRENT EDITION OF MISSOURI STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION PUBLISHED BY THE MISSOURI HIGHWAY AND TRANSPORTATION COMMISSION.
4. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UTILITIES PRIOR TO ERECTING ANY SIGNS AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MAY BE OCCASIONED BY THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND FACILITIES.
5. UNLESS OTHERWISE NOTED, DETAILS FOR SIGNS SHALL BE AS SHOWN ON THE MOST CURRENT VERSION OF MODOT STANDARD PLAN SECTION 903.



BUFFERED BIKE LANES TYPICAL SECTION*



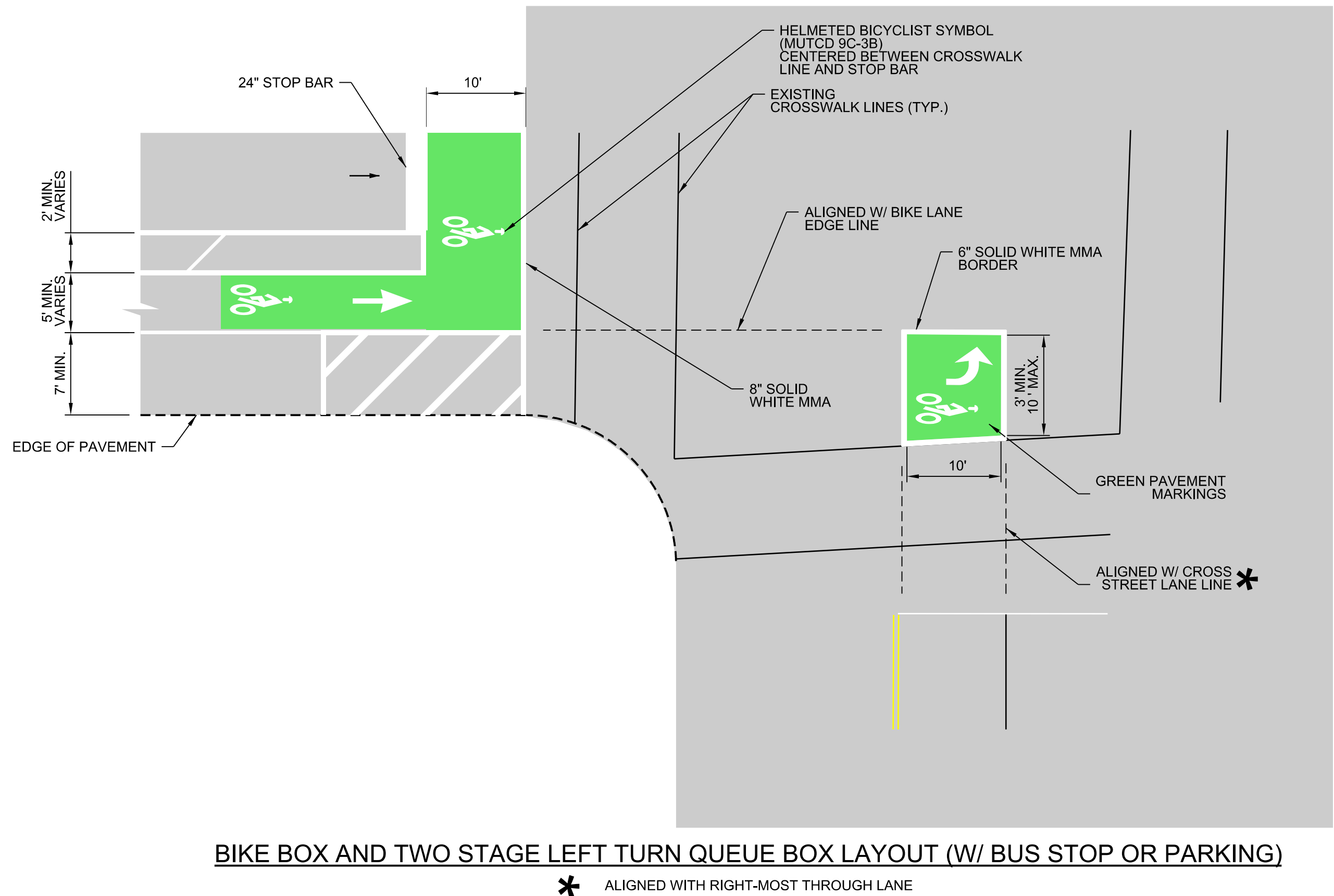
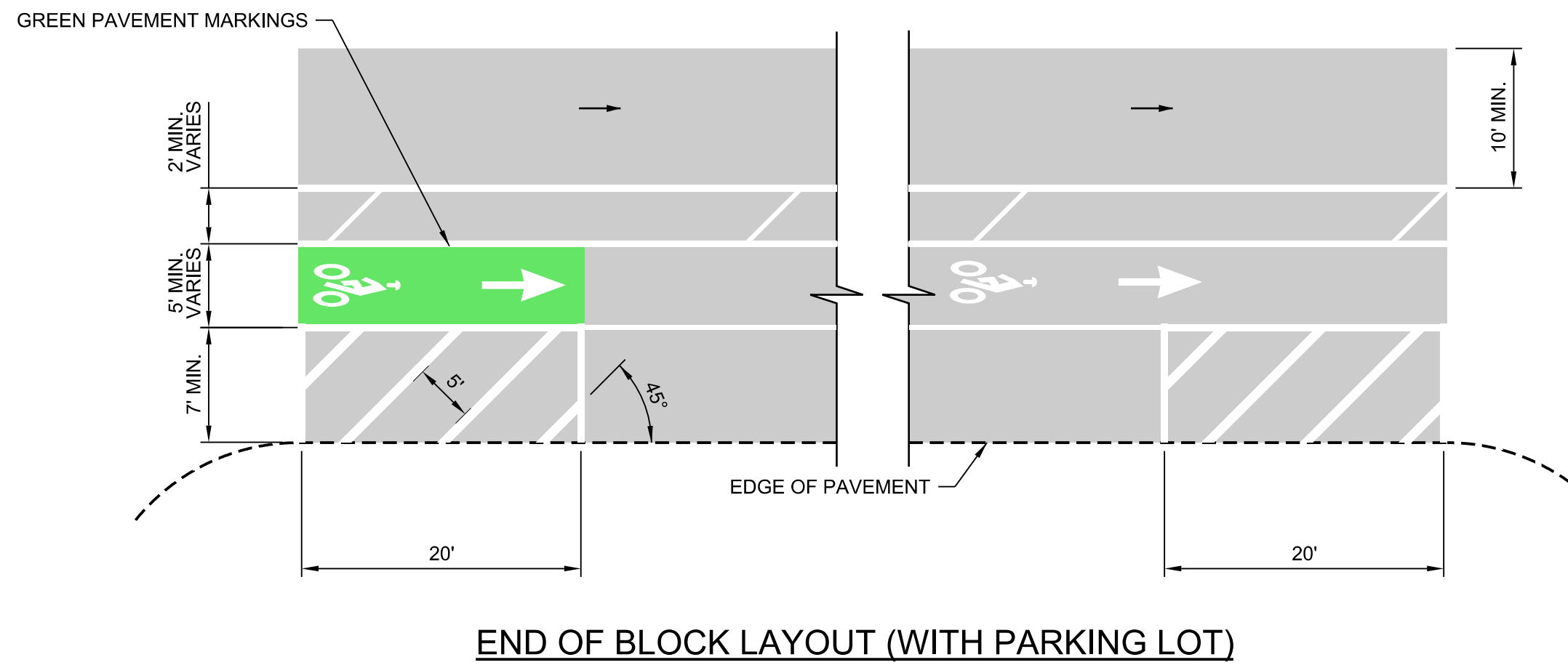
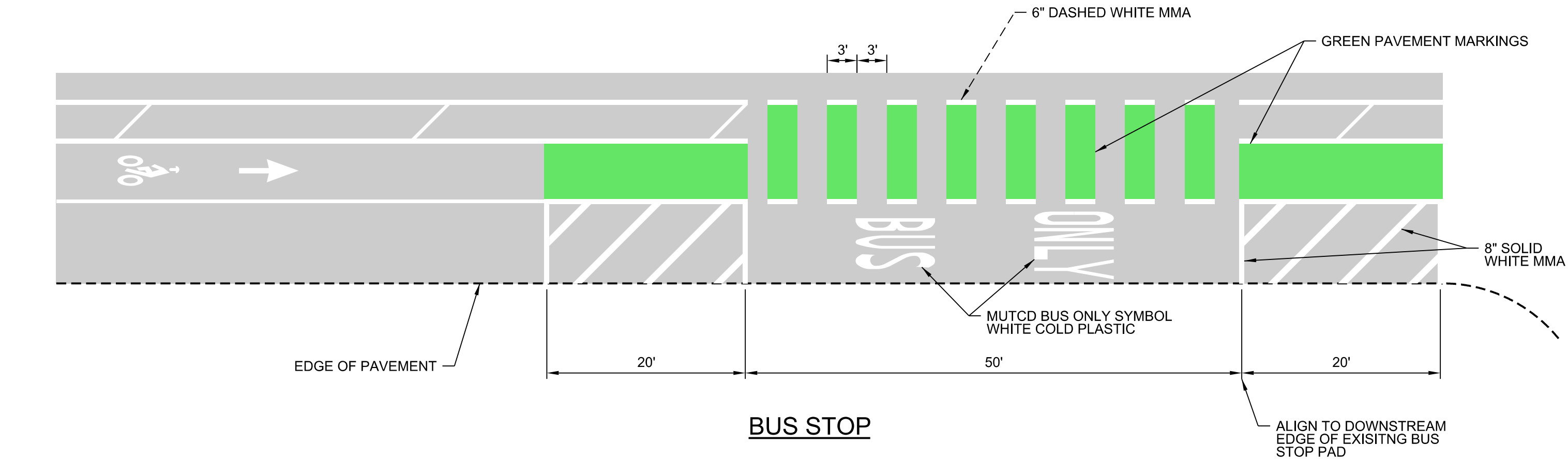
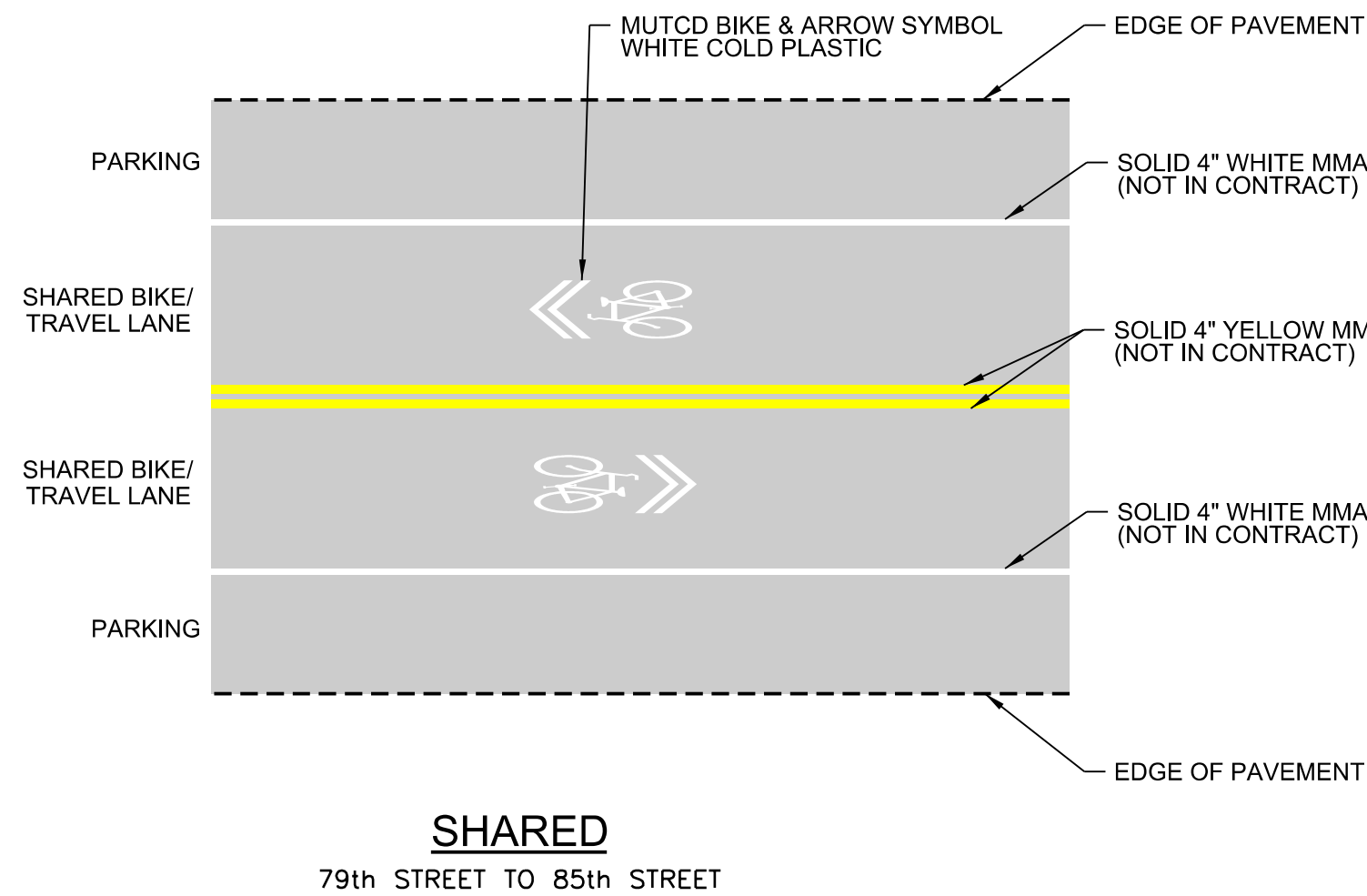
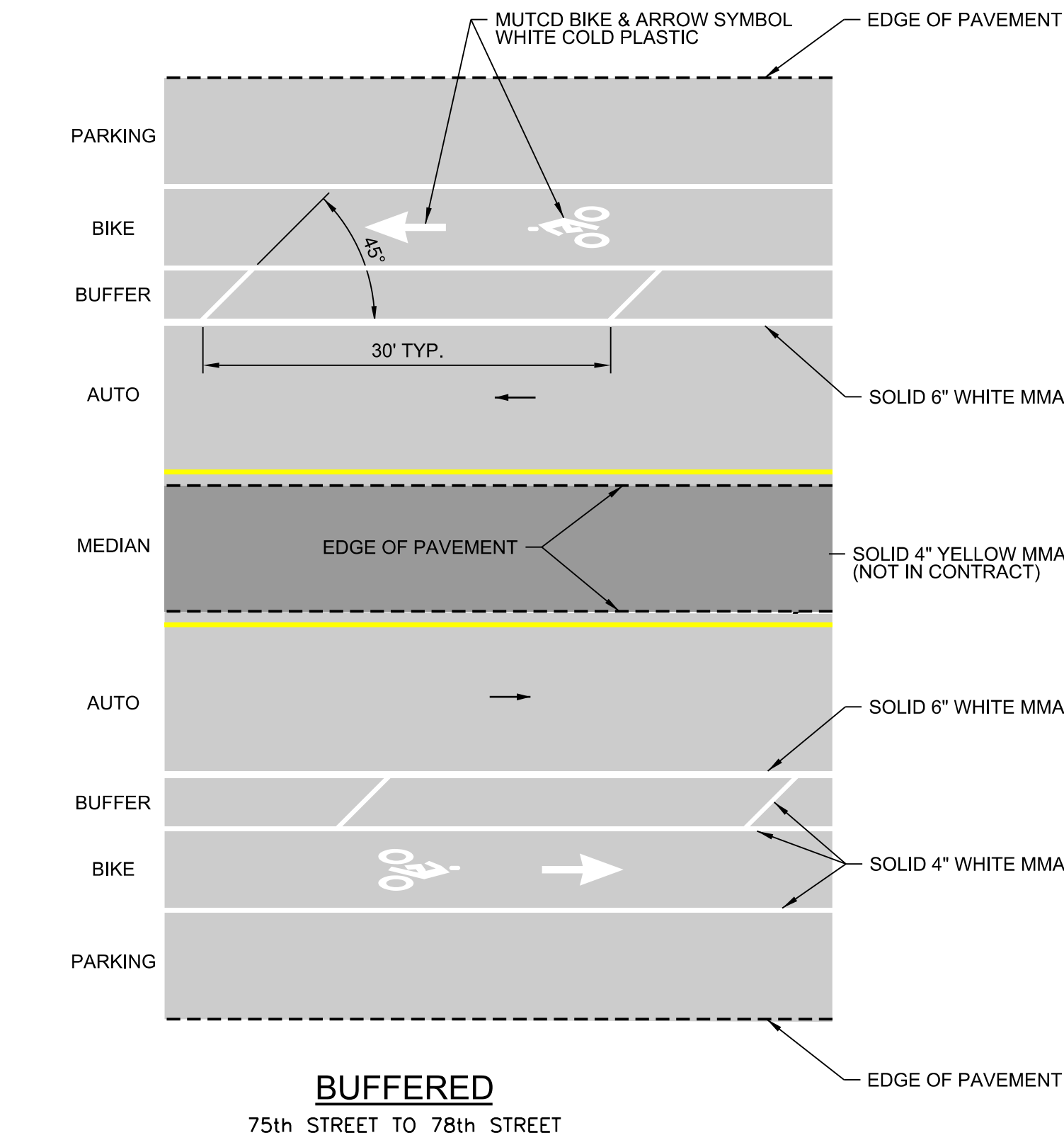
SHARED LANES TYPICAL SECTION*

79th STREET TO TROLLEY TRACK TRAIL

* TYPICAL SECTIONS MAY SHOW EXISTING OR FUTURE MARKINGS. SEE PLANS AND QUANTITY TABLES FOR ITEMS IN THIS CONTRACT

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TranSystems

MO STATE CERTIFICATE
OF AUTHORITY #273 ENGINEERING
2400 PERSHING ROAD
SUITE 400
KANSAS CITY, MO 64108
PHONE: 816-329-9800
FAX: 816-329-6301

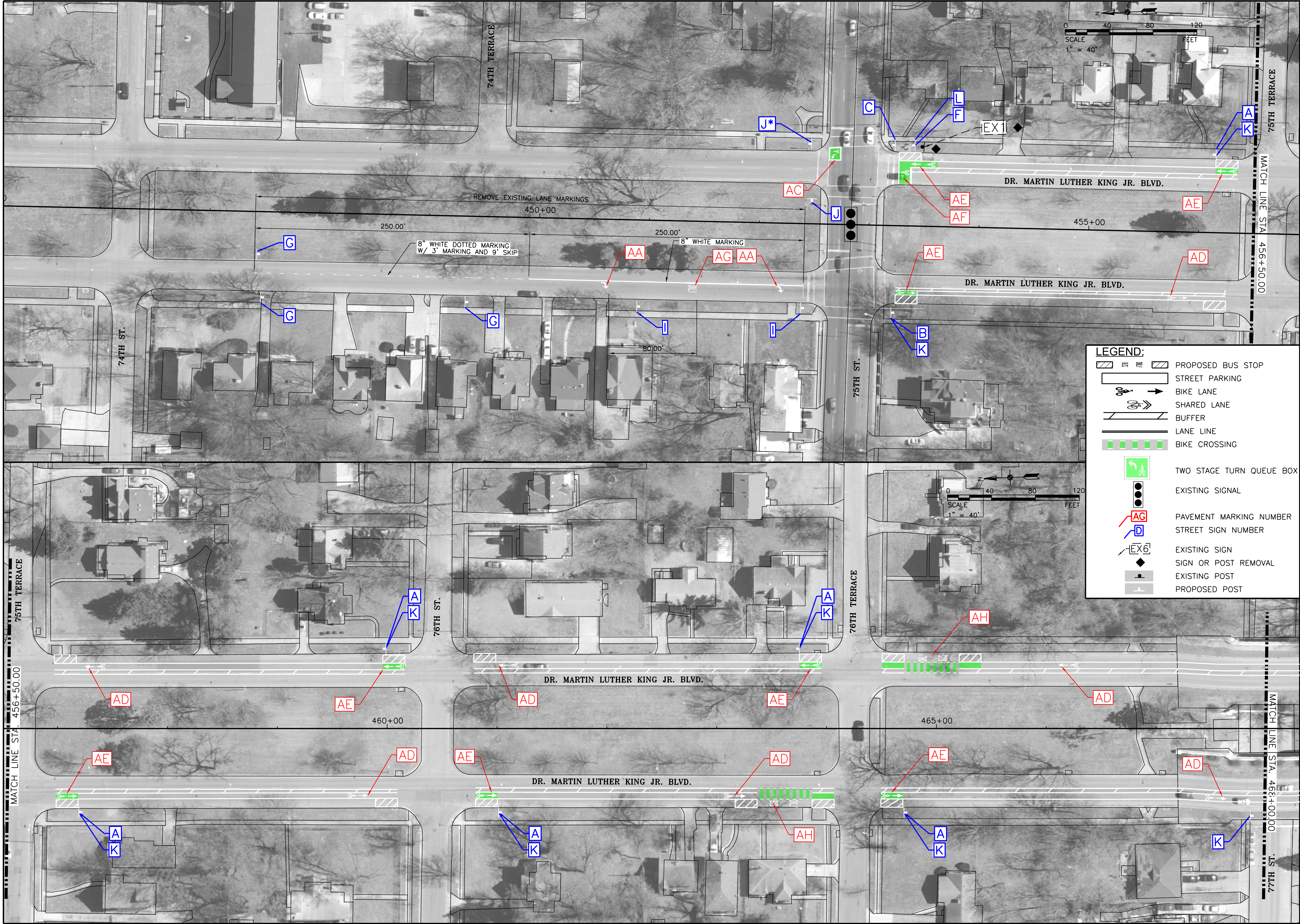
STATE OF MISSOURI
JOHN ZIMMERMANN
NUMBER
E-26648
REGISTERED PROFESSIONAL ENGINEER

CONSULTANTS:

DR. MARTIN LUTHER KING JR. BLVD.
BIKEWAYS
KANSAS CITY, MISSOURI

REVISIONS:	1	7/19/19	FINAL PLANS	DESCRIPTION
PROJ NO:	P101160362			
SCALE:	NO SCALE			
DATE:	7/19/2019			
DESIGNED BY:	RS			
DRAWN BY:	RS			
CHECKED BY:	JWZ			
SHEET TITLE:				
PAVEMENT MARKING DETAILS				
SHEET NO.				
2				
SHEET 2 OF 8				

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LEGEND:

- PROPOSED BUS STOP
- STREET PARKING
- BIKE LANE
- SHARED LANE
- BUFFER
- LANE LINE
- BIKE CROSSING
- TWO STAGE TURN QUEUE BOX
- EXISTING SIGNAL
- PAVEMENT MARKING NUMBER (AG)
- STREET SIGN NUMBER (A, K)
- EXISTING SIGN (EX)
- SIGN OR POST REMOVAL
- EXISTING POST
- PROPOSED POST

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OF AUTHORITY #273 ENGINEERING
2400 PERSHING ROAD
SUITE 400
KANSAS CITY, MO 64108
PHONE: 816-329-9800
FAX: 816-329-6301

STATE OF MISSOURI
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BIKEWAYS
KANSAS CITY, MISSOURI

REVISIONS:	1	7/19/19	FINAL PLANS	DESCRIPTION
PROJ NO:	P101160362			
SCALE:	1" = 40'			
DATE:	7/19/2019			
DESIGNED BY:	RS			
DRAWN BY:	RS			
CHECKED BY:	JWZ			
SHEET TITLE:				
74TH ST. TO 77TH ST.				
SHEET NO. 4				
SHEET 4 OF 8				



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2400 PERSHING ROAD
SUITE 400
KANSAS CITY, MO 64108
PHONE: 816-329-9800
FAX: 816-329-6301

STATE OF MISSOURI

JOHN ZIMMERMANN
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E-26648
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BIKEWAYS
KANSAS CITY, MISSOURI

REVISIONS:		FINAL PLANS		DESCRIPTION	
1	7/19/19			DATE	MARK
PROJ NO: P101160362					
SCALE: 1" = 40'					
DATE: 7/19/2019					
DESIGNED BY: RS					
DRAWN BY: RS					
CHECKED BY: JWZ					
SHEET TITLE:					
77TH ST. TO 81ST ST.					
SHEET NO.					
5					
SHEET 5 OF 8					

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LEGEND:

- PROPOSED BUS STOP
- STREET PARKING
- BIKE LANE
- SHARED LANE
- BUFFER
- LANE LINE
- BIKE CROSSING
- TWO STAGE TURN QUEUE BOX
- EXISTING SIGNAL
- PAVEMENT MARKING NUMBER
- STREET SIGN NUMBER
- EXISTING SIGN
- SIGN OR POST REMOVAL
- EXISTING POST
- PROPOSED POST

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OF AUTHORITY #273 ENGINEERING
2400 PERSHING ROAD
SUITE 400
KANSAS CITY, MO 64108
PHONE: 816-329-9800
FAX: 816-329-6301

STATE OF MISSOURI
JOHN ZIMMERMANN
NUMBER E-26648
REGISTERED PROFESSIONAL ENGINEER

CONSULTANTS:

DR. MARTIN LUTHER KING JR. BLVD.
BIKEWAYS
KANSAS CITY, MISSOURI

REVISIONS:	1	7/19/19	FINAL PLANS	DESCRIPTION
PROJ NO:	P101160362			
SCALE:	1" = 40'			
DATE:	7/19/2019			
DESIGNED BY:	RS			
DRAWN BY:	RS			
CHECKED BY:	JWZ			
SHEET TITLE:				
81ST ST. TO 84TH ST.				
SHEET NO. 6				
SHEET 6 OF 8				

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PHONE: 816-329-9800
FAX: 816-329-6301

STATE OF MISSOURI
JOHN ZIMMERMANN
NUMBER
E-26648
LICENSED PROFESSIONAL ENGINEER

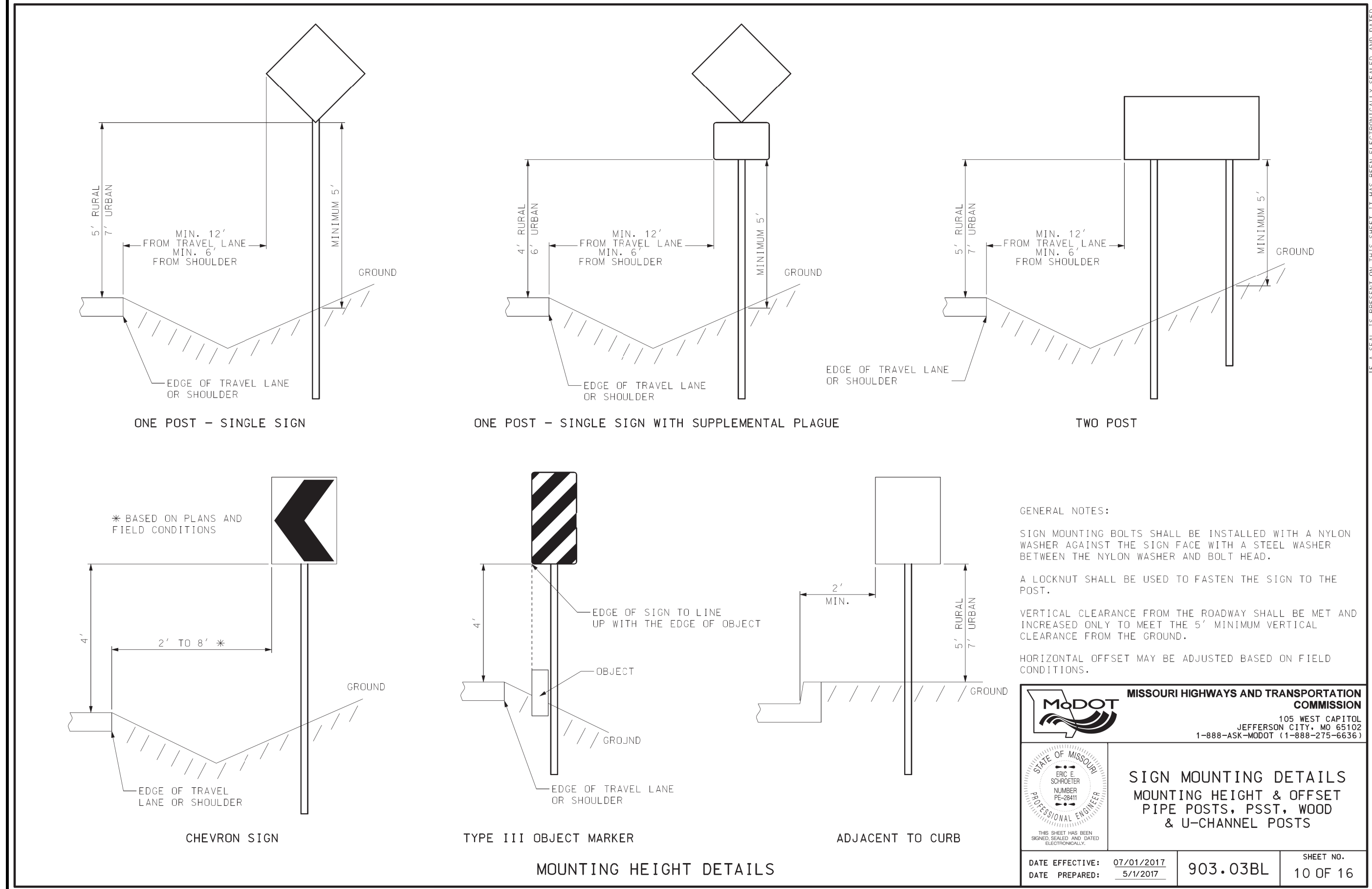
CONSULTANTS:

DR. MARTIN LUTHER KING JR. BLVD.
BIKEWAYS
KANSAS CITY, MISSOURI

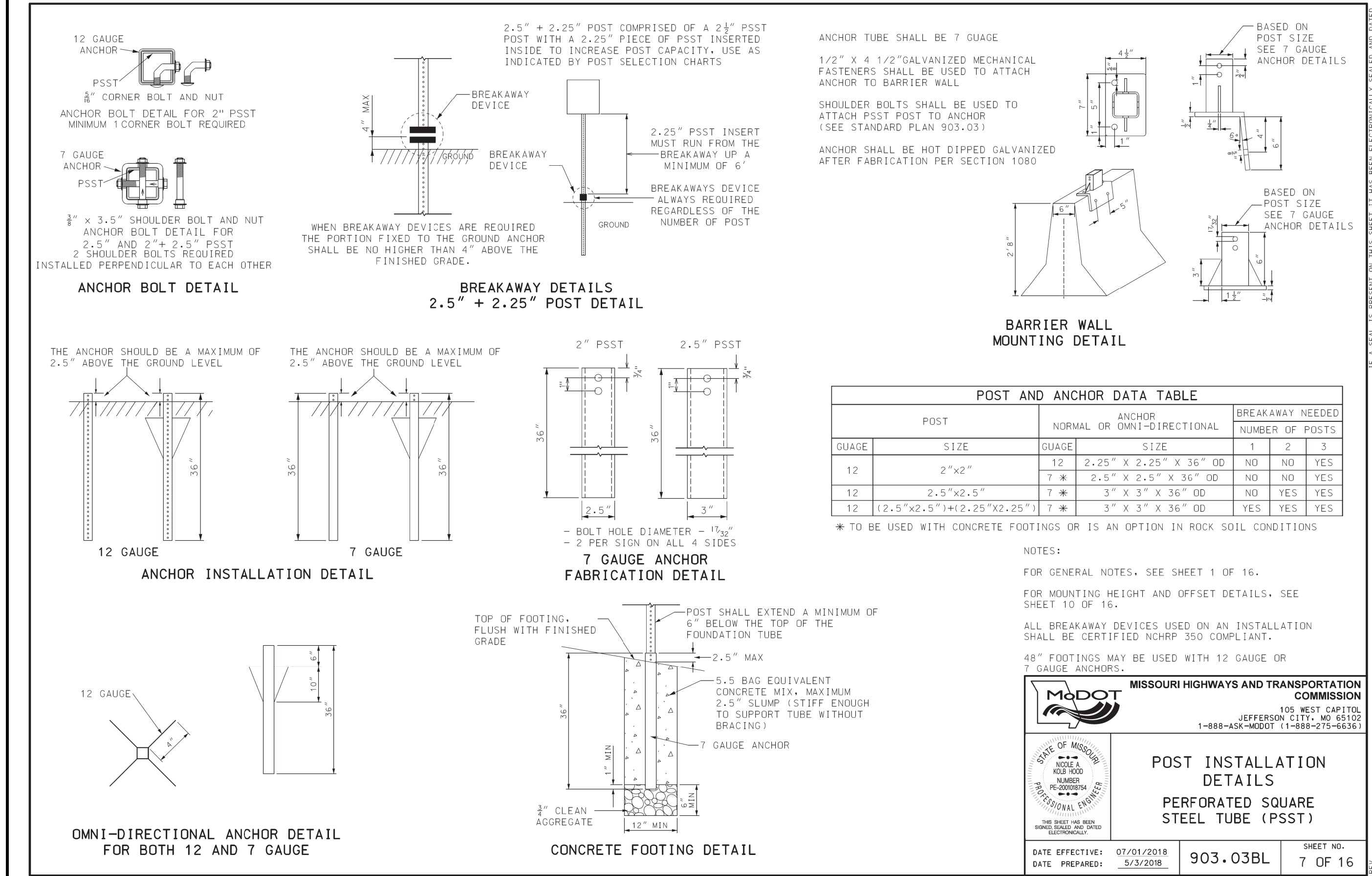
REVISIONS:	DATE	DESCRIPTION
1	7/19/19	FINAL PLANS

PROJ NO: P101160362
SCALE: 1" = 40'
DATE: 7/19/2019
DESIGNED BY: RS
DRAWN BY: RS
CHECKED BY: JWZ
SHEET TITLE:
84TH ST. TO
TROLLEY TRACK
SHEET NO.
7
SHEET 7 OF 8

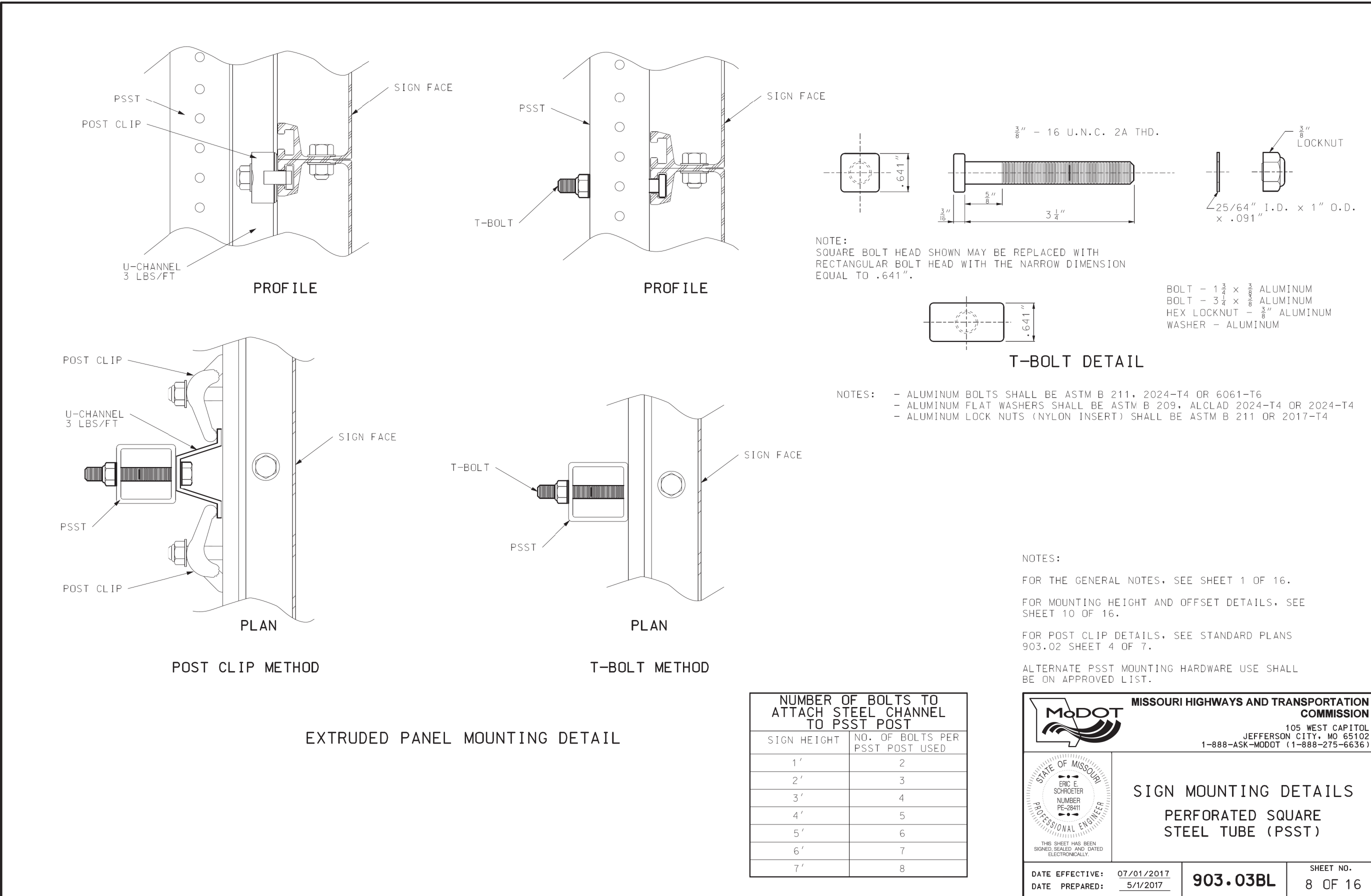
IF THIS DRAWING IS LESS THAN 22" X 34" IT IS A REDUCED SIZE DRAWING



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



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



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

NO STATE CERTIFICATE OF AUTHORITY #273 ENGINEERING

2400 PERSHING ROAD SUITE 400 KANSAS CITY, MO 64108

PHONE: 816-329-9800 FAX: 816-329-9301

CONSULTANTS:

DR. MARTIN LUTHER KING JR. BLVD. BIKEWAYS KANSAS CITY, MISSOURI

REVISIONS:	7/19/19	FINAL PLANS	DESCRIPTION
1			

MARK	DATE	DESCRIPTION

PROJ NO:	P101160362
SCALE:	NO SCALE
DATE:	7/19/2019
DESIGNED BY:	RS
DRAWN BY:	RS
CHECKED BY:	JWZ
SHEET TITLE:	
MISCELLANEOUS	
SHEET NO. 8	
SHEET	8 OF 8