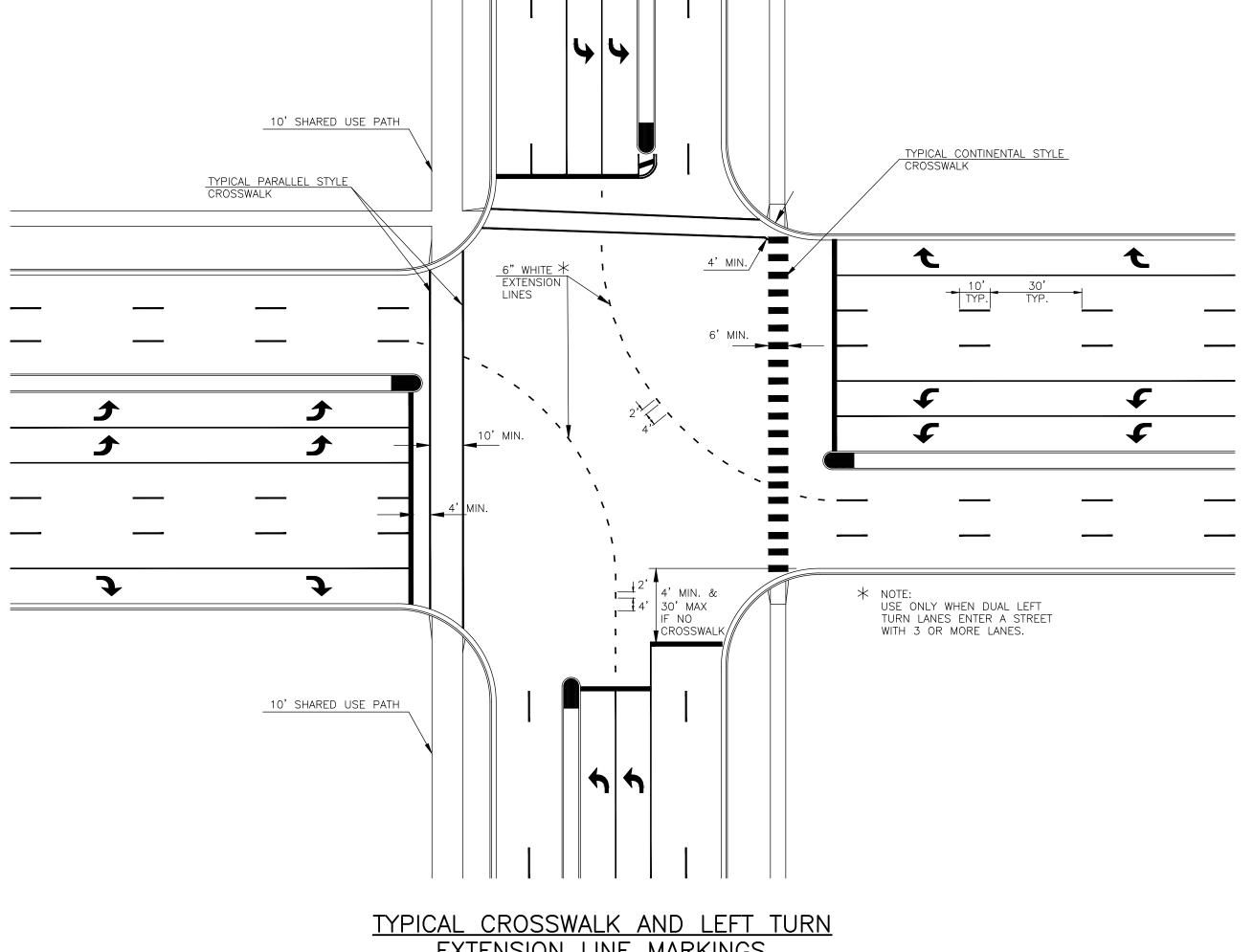


\_\_\_ OMIT "ONLY" MARKINGS EXCEPT FOR TRAP LANES. 3'-0"



EXTENSION LINE MARKINGS

7'-6"

TURN LA<u>ne word and symbol layout</u>

END OF FULL WIDTH STORAGE LANE

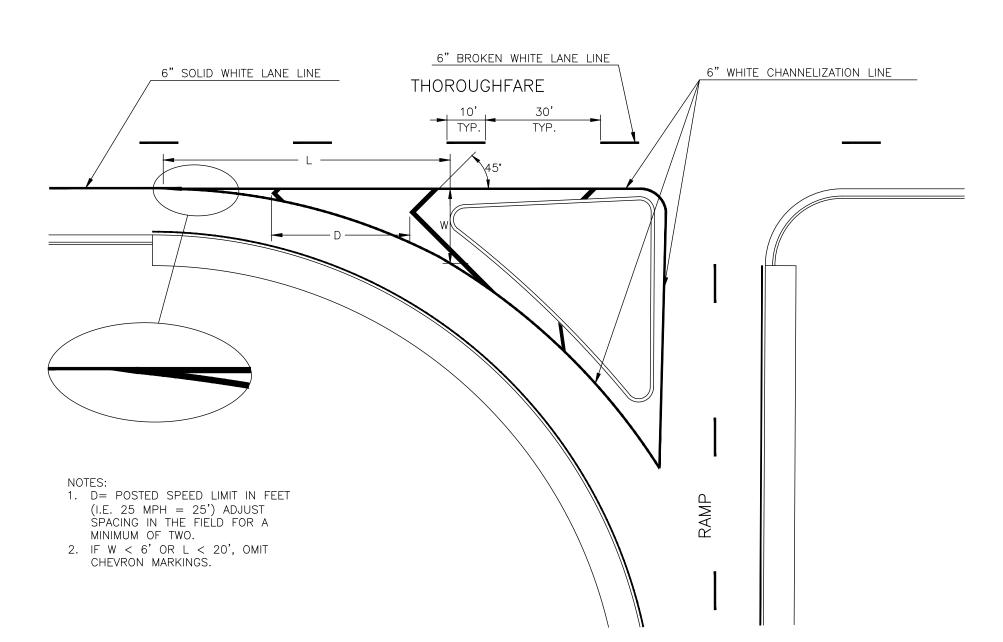
TURN LANE WORD AND SYMBOL **SPACING INFORMATION** 

1) WORD & SYMBOL MARKINGS SHALL BE WHITE. 2) RIGHT TURN AND COMBINATION RIGHT TURN/STRAIGHT ARROWS ARE REVERSE OF ARROWS SHOWN.

WORD AND SYMBOL DETAILS

PAVEMENT MARKING GENERAL NOTES

- 1. ALL PERMANENT PAVEMENT MARKINGS SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR AS INDICATED IN THE PLANS OR AS DIRECTED BY THE CITY INSPECTOR.
- PAVEMENT MARKINGS ON CONCRETE SHALL BE PER THE SPECIFICATIONS, UNLESS OTHERWISE INDICATED ON THE PLANS OR DIRECTED BY THE CITY INSPECTOR. SEE THE PAVEMENT MARKING MATERIAL MATRIX.
  - 2.1. ALL PATTERNED COLD PLASTIC AND CONTRAST PATTERNED COLD PLASTIC PAVEMENT MARKING MATERIAL, INCLUDING SYMBOLS AND WORDS, INSTALLED ON CONCRETE SPEED HUMPS, SHALL HAVE A BLACK CONTRASTING EDGE.
  - 2.2. CONCRETE PAVEMENT BENEATH MARKING SHALL BE GROOVED, USING A METHOD APPROVED BY THE ENGINEER, TO FACILITATE ATTACHMENT (SUBSIDIARY). INSTALLATION SHALL BE PERFORMED WITH A MATERIAL COMPLIANT SEALER.
  - 2.3. ALL PREFORMED THERMOPLASTIC AND THERMOPLASTIC PAVEMENT MARKING MATERIAL SHALL BE INSTALLED WITH A MATERIAL COMPLIANT SEALER.
  - 2.4. INSTALLATION OF ALL PAVEMENT MARKING MATERIALS SHALL BE PERFORMED TO MANUFACTURER'S RECOMMENDATIONS.
- 3. PAVEMENT MARKINGS ON ASPHALT SHALL BE PER THE SPECIFICATIONS, UNLESS OTHERWISE INDICATED ON THE PLANS OR DIRECTED BY THE CITY INSPECTOR. SEE THE PAVEMENT MARKING MATERIAL MATRIX.
  - 3.1. ALL PATTERNED COLD PLASTIC AND CONTRAST PATTERNED COLD PLASTIC PAVEMENT MARKING MATERIAL SHALL BE INLAID IN HOT ASPHALT WHEN INSTALLED IN CONJUNCTION WITH AN OVERLAY PROJECT. FOR EXISTING SURFACES, ASPHALT PAVEMENT BENEATH MARKING SHALL BE GROOVED USING A METHOD APPROVED BY THE ENGINEER, TO FACILITATE ATTACHMENT (SUBSIDIARY). INSTALLATION SHALL BE
- PERFORMED WITH A MATERIAL COMPLIANT SEALER. 4. CROSSWALK LINES SHALL BE INSTALLED SUCH THAT THE MINIMUM DISTANCE BETWEEN THE INSIDE EDGE OF THE LINE TO THE INSIDE EDGE OF LINE IS 6 FEET, AND SPACED TO AVOID WHEEL PATHS.
- 5. STOP LINES SHALL BE INSTALLED SUCH THAT THE MINIMUM DISTANCE BETWEEN THE OUTSIDE EDGE OF THE BACK CROSSWALK LINE AND THE TRAILING EDGE OF THE STOP LINE IS 4
- SKIP LINES SHALL NOT EXTEND PAST THE STOP BAR OR INTO THE CROSSWALK.
- WHITE BROKEN LANE LINES SHALL BE CARRIED THROUGH INTERSECTIONS WITH PRIVATE STREETS UNLESS THERE IS A LEFT TURN BAY INTO THE PRIVATE STREET. THEN A GAP SHOULD BE LEFT IN THE BROKEN WHITE LANE LINES FOR THE LEFT TURN MOVEMENT TO PASS THROUGH.
- THE PROPOSED PERMANENT MARKINGS SHALL BE LAID OUT BY THE CONTRACTOR IN ADVANCE OF THE MARKING INSTALLATION. MARKINGS SHALL NOT BE APPLIED UNTIL THE LAYOUT AND CONDITIONS OF THE SURFACE HAVE BEEN APPROVED BY THE CITY INSPECTOR.



## TYPICAL MARKINGS AT DIRECTIONAL ISLANDS

		M	PAVEMENT TYPE						
PERMANENT MARKINGS — STANDARD MATERIALS	LONGITUDINAL LINES	TRANSVERSE LINES	ON-STREET PARKING	SYMBOLS	COLORED PAVEMENT MARKING	CONCRETE	ASPHALT	MICRO- SURFACING	CHIP SEAL
METHYL METHACRYLATE (MMA)	X	Х			Х	Х	Х		
PREFORMED THERMOPLASTIC*	X	Х	Х	Х	Х	Х	Х	Х	
PATTERNED COLD PLASTIC*	Х					Х	Х		
CONTRAST PATTERNED COLD PLASTIC*	Х					Х	Х		
TEMPORARY MARKINGS	LONGITUDINAL LINES	TRANSVERSE LINES	ON-STREET PARKING	SYMBOLS	COLORED PAVEMENT MARKING	CONCRETE	ASPHALT	MICRO- SURFACING	CHIP SEA
COLD PLASTIC	X	Х				Х	Х	Х	
PAINT	X	Х				Х	Х	Х	Х
TEMPORARY TAPE	X	X				×	Х	Х	Х

\*ALLOWED WITH WRITTEN APPROVAL.

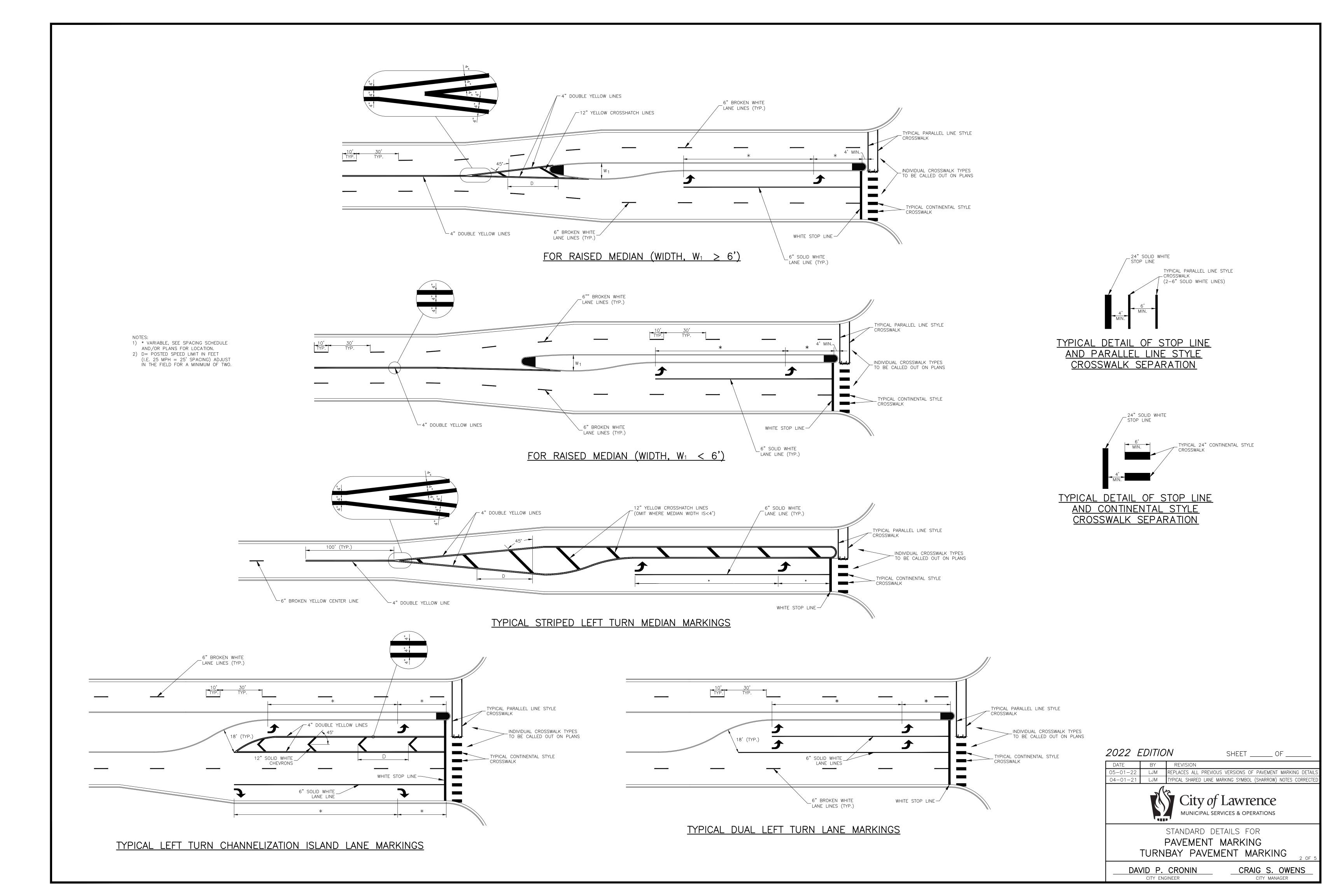
2022 EDITION SHEET \_\_\_\_\_ OF \_\_\_\_

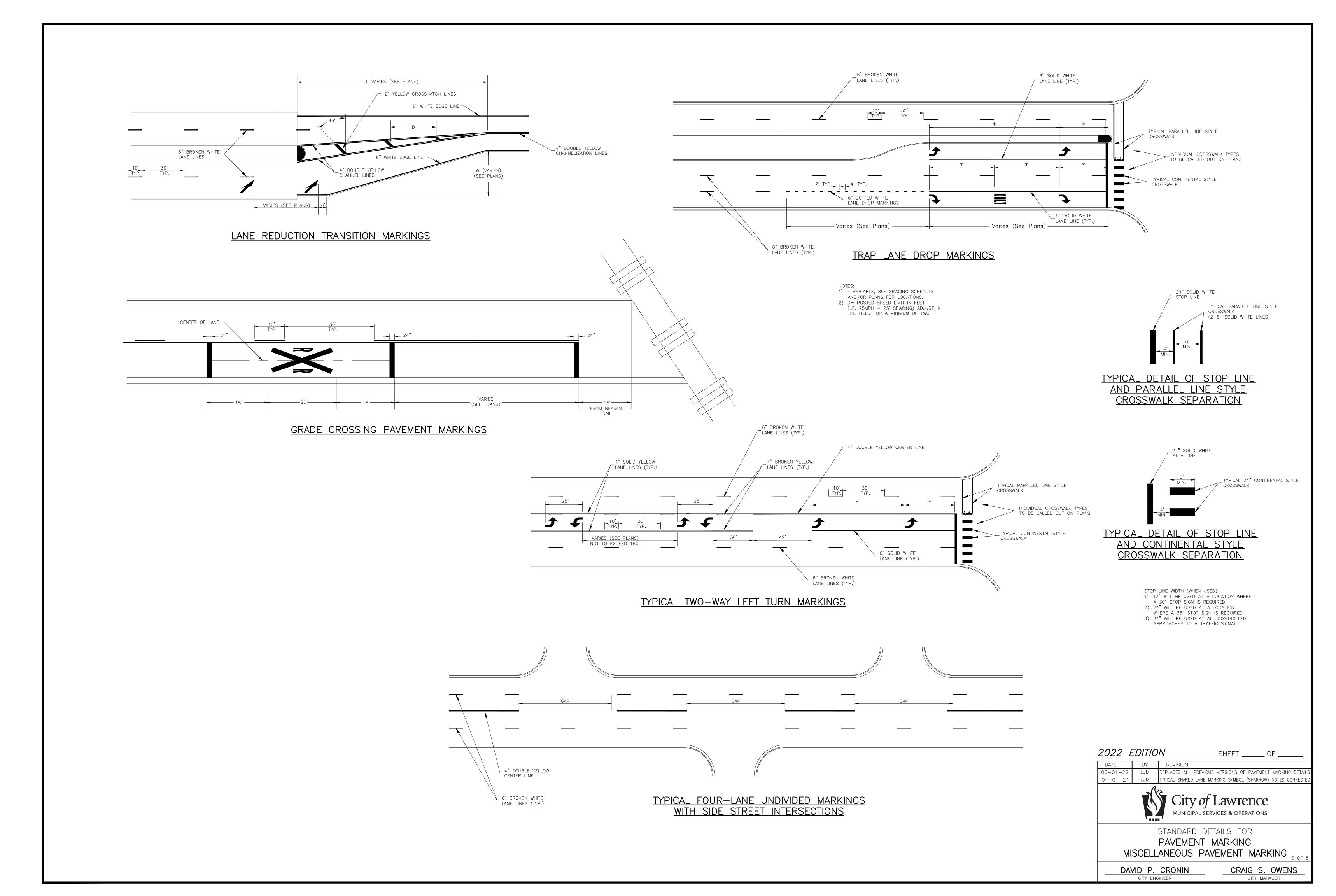
EPLACES ALL PREVIOUS VERSIONS OF PAVEMENT MARKING DETA YPICAL SHARED LANE MARKING SYMBOL (SHARROW) NOTES CORRECT

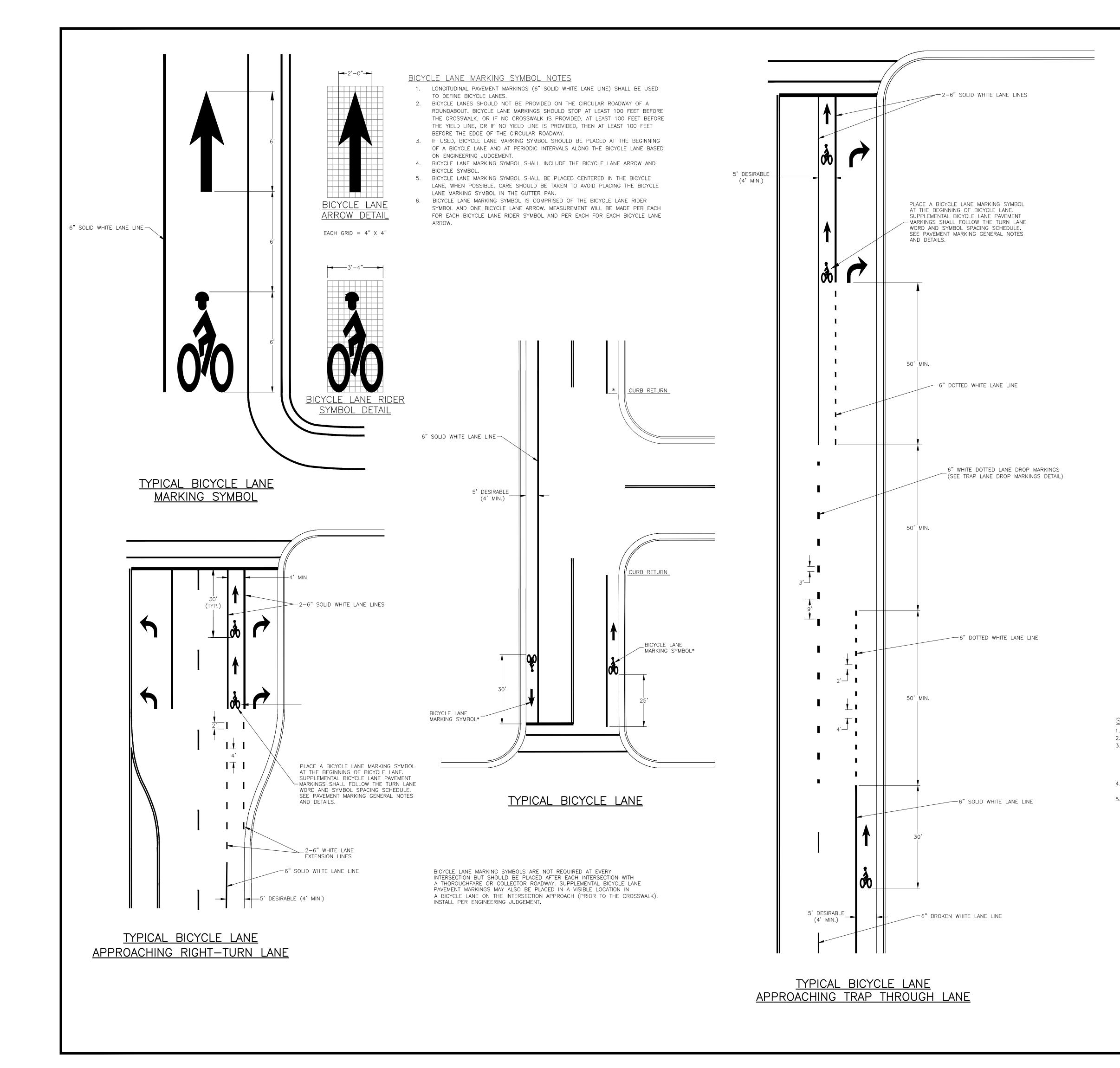


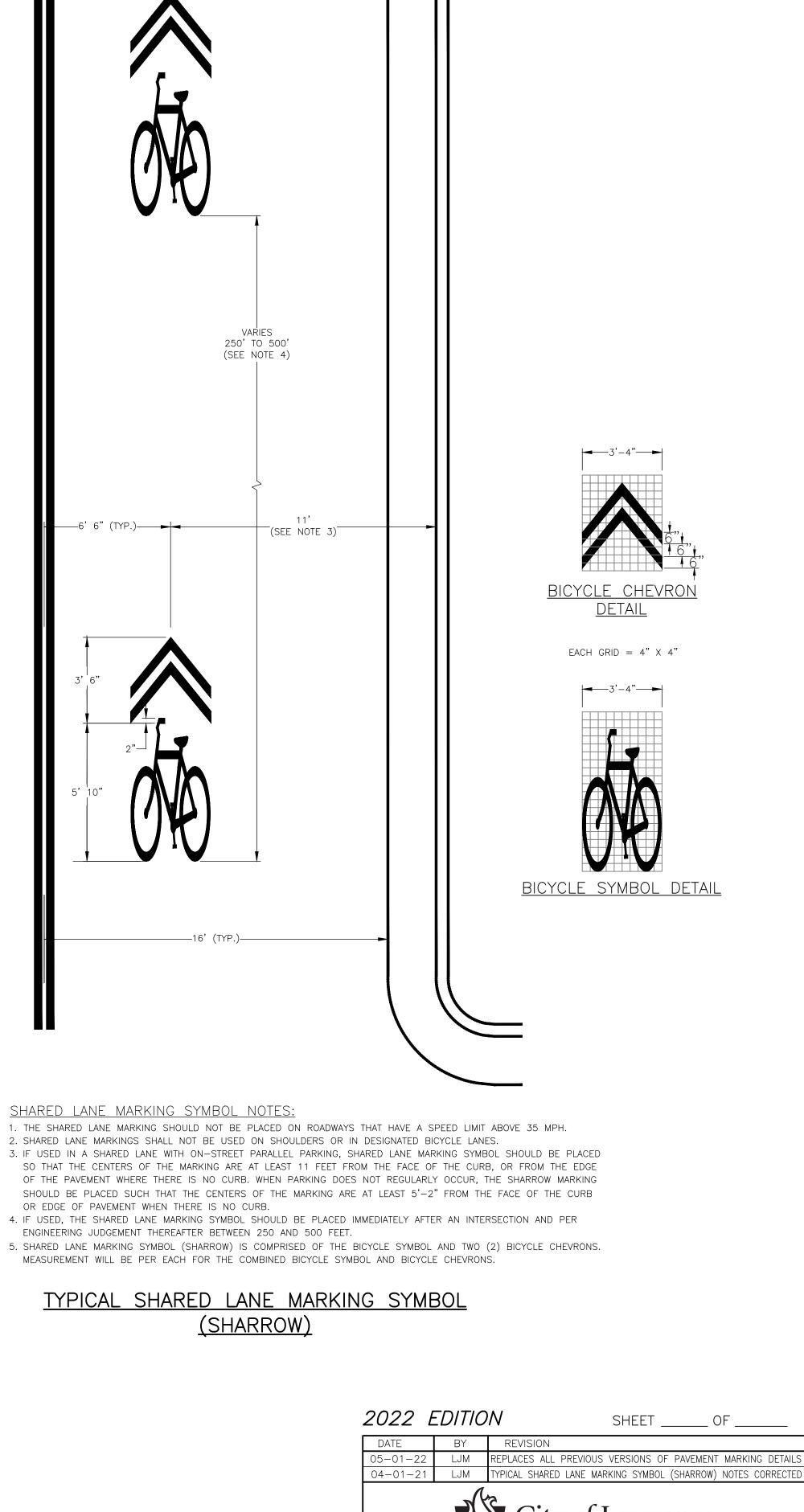
STANDARD DETAILS FOR PAVEMENT MARKING GENERAL NOTES AND DETAILS

DAVID P. CRONIN CRAIG S. OWENS









MUNICIPAL SERVICES & OPERATIONS

STANDARD DETAILS FOR

PAVEMENT MARKING

DAVID P. CRONIN

BICYCLE LANE AND SHARED LANE

CRAIG S. OWENS

									PAVEME	INT MAR	RKING S	UMMARY	– PRI	EFORMED	THERM	10PLAST	IC								
		WHI <sup>-</sup>	TE PAVEME	INT MARK	(INGS									PAVEMENT		SS	PAVEMENT MARKING SYMBOLS								
LOCATION	4" SOLID WHITE LINE ON-STREET PARKING STALLS (L.F.)	6" BROKEN WHITE LANE LINE (L.F.)	6" SOLID DOUBLE WHITE CHANNELIZATION LINE (L.F.)	6" SOLID WHITE EDGE LINE (L.F.)	6" SOLID WHITE EXTENSION LINE (L.F.)	6" SOLID WHITE CROSSWALK LINE (L.F.) 6" DO WHITE WH LANE (L.ANE	OTTED HITE LINE F.)	6" SOLID WHITE LANE LINE (L.F.)	12" DOTTED WHITE EXTENSION LINE (L.F.)	24" SOLID WHITE CROSSWALK LINE (L.F.)	24" SOLID WHITE STOP LINE (L.F.)	4" BROKEN YELLOW CENTERLINE (L.F.)	4" SOLID YELLOW EDGE LINE (L.F.)	4" SOLID & BROKEN YELLOW LINE (L.F.)	4" DOUBLE YELLOW LANE LINE (L.F.)	12" SOLID YELLOW DIAGONAL LINE (L.F.)	24"X36" WHITE YIELD LINE (EACH)	WHITE TURN LANE USE——ARROW (EACH)  LT. RT.  WHITE THROUGH LANE USE——ARROW (EACH)	WHITE THROUGH & LT./RT. TURN ARROWS (EACH)  THROUGH/LTTHROUGH/RT  WHITE "ONLY" MARKINGS (EACH)	12" WHITE 12" WHITE BICYCLE CHEVRON LANE MARKINGS RIDER (L.F.) SYMBOL (EACH)	WHITE BICYCLE LANE LANE ARROW (EACH) WHITE SHARED LANE MARKING SYMBOL (SHARROW) (EACH)	GRADE CROSSING PAVEMENT MARKING (EACH)	SPEED CUSHION PAVEMENT MARKING (COMPLETE) (EACH)		
TOTAL MATERIAL QUANTITY																									

PAVEMENT MARKING SUMMARY — (PATTERNED COLD PLASTIC) OR (CONTRAST PATTERNED COLD PLASTIC)														
	WHITE PA	VEMENT	MARKINGS						YELLOW PAVEMENT MARKINGS					
LOCATION	4" SOLID WHITE LANE LINE (L.F.)	6" SOLID WHITE LANE LINE (L.F.)	6" BROKEN WHITE LANE LINE (L.F.)	6" SOLID WHITE EDGE LINE (L.F.)	4" DOTTED WHITE LANE LINE (L.F.)	6" DOTTED WHITE LANE LINE (L.F.)	6" SOLID WHITE CROSSWALK LINE (L.F.)	6" SOLID WHITE CHANNELIZATION LINE (L.F.)	4" BROKEN YELLOW CENTERLINE (L.F.)	4" SOLID YELLOW LANE LINE (L.F.)	4" SOLID & BROKEN YELLOW LINE (L.F.)	4" DOUBLE YELLOW LANE LINE (L.F.)	6" BROKEN YELLOW CENTERLIN (L.F.)	

NOTES:

1) DELETE TABLES THAT ARE NOT APPLICABLE TO SPECIFIC PROJECT.

2) DELETE REFERENCE TO MATERIALS NOT BEING USED.

NOTES:
THESE APPROXIMATE QUANTITIES WERE
PREPARED SOLELY FOR THE CONTRACTORS
CONVENIENCE AS A MEANS OF SETTING
FORTH MAJOR ITEMS AND IS NOT
GUARANTEED TO BE A COMPLETE NOR
ACCURATE LIST OF ALL ITEMS NECESSARY
TO COMPLETE THIS WORK. OTHER ITEMS
REQUIRED FOR A COMPLETE INSTALLATION,
AS SHOWN OR DESCRIBED SHALL BE
INCLUDED IN THE PRICES AS BID.

2022 EDITION

SHEET \_\_\_\_\_ OF \_\_\_\_

DATE BY REVISION 05-01-22 LJM REPLACES ALL PREVIOUS VERSIONS OF PAVEMENT MARKING DETAILS
04-01-21 LJM TYPICAL SHARED LANE MARKING SYMBOL (SHARROW) NOTES CORRECTED



STANDARD DETAILS FOR PAVEMENT MARKING

BILL OF MATERIALS

DAVID P. CRONIN
CITY ENGINEER

CRAIG S. OWENS
CITY MANAGER