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DESCRIPTION

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- 89 SMART TRAFFIC MONITORING SYSTEM TYPICAL LAYOUT

#### **LIST OF HIGHWAY STANDARDS**

CTANDADD NO

STANDARD NO.	DESCRIPTION
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701400-10	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701428-01	TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
781001-04	TYPICAL APPLICATIONS, RAISED REFLECTOR PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

## **COMMITMENTS**

NONE

#### **GENERAL NOTES**

- 1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS UTILITIES, 48 HOUR NOTIFICATION IS REQUIRED.
- 2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE VILLAGES OF MATTESON AND RICHTON PARK.
- 3. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD, FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- 4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 5. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- 6. THE RESIDENT ENGINEER SHALL CONTACT REGINA COOPER, AREA TRAFFIC FIELD ENGINEER, AT REGINA.COOPER2@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- 7. THE CONTRACTOR IS REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- 8. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- 10. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 11. THE SHOULDERS SHALL BE PATCHED USING CLASS D PATCHES (SPECIAL) PRIOR TO USE FOR STAGED TRAFFIC. RESURFACING OF SHOULDERS ARE INCLUDED WITH THE RESURFACING OF THE APPROACH PAVEMENTS.

2 REVISED SHEET 10/26/2021



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57

					CONSTRUCTION CODE		
				90% FED 10% STATE			
	CODE			TOTAL	ROADWAY	BRIDGE	BR I DGE
	NO .	ITEM	UNIT	QUANT I TY	0005	0059	0059
L					URBAN	SN 016-0048	SN 016-0049
<u>_</u>	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	2026	2926		
-	78000200	4"	1001	2926	2920		
*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	950	950		
$\uparrow$	· · · · · · · · · · · · · · · · · · ·	PREFORMED PLASTIC PAVEMENT MARKING,		····	····	Ŕ ^	
*	78004210	TYPEB INLAID - LINE 4"	F00T	242	242	3/17	
*	78004220	PREFORMED PLASTIC PAVEMENT MARKING, TYPEB INLAID - LINE 5"	FOOT	2440	2440		
SP	<u>~~~~</u>	PREFORMED PLASTIC PAVEMENT MARKING;				RA	
}* <u> </u>	<del>78004240</del>	TYPEB INLAID - LINE 8"	FOOT	242	242	<u> </u>	
*	78009004	MODIFIED URETHANE PAVEMENT MARKING -	FOOT	1646	1646		
H		LINE 4"		1010	1010	1	
L							
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	36	36		
F							
*	78100300	REPLACEMENT REFLECTOR	EACH	172	172		
_	70200011	DARRIED WALL DEFLECTORS TYPE C	FACU	400	400		
*	78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	400	400		1
	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	2833	2833		
		BLASTING					
L							
	X0325201	SHOULDER RUMBLE STRIP REMOVAL	SQ YD	904	904		
\ \		CLASS D PATCHES TYPE IV 14 INCH		l I		1/ <b>A</b>	
Я	<del>X1700085</del>	CLASS D PATCHES, TYPE IV, 14 INCH (SPECIAL)	SQ YD	300	300	3/2\	
	X2700001	TEMPORARY RUMBLE STRIPS (SPECIAL)	EACH	32	32		
-							
L							
*	X2700003	GROOVING FOR RECESSED PAVEMENT MARKING 8"	FOOT	200	200		
#	~~~	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10	<u> </u>	· · · · · · · · · · · · · · · · · · ·	····	<b>A</b>	
} .	<del>X4400501</del>	REPLACEMENT LESS THAN OR EQUAL TO 10		32	<del>32</del>		
7	*****		***	******	**************************************	T ^	
	X4421791	CLASS D PATCHES, TYPE IV 12 INCH (SPECIAL)	SQ YD	300	300	12/2\	

			1			CODL
				9	0% FED 10% S	TATE
CODE			TOTAL	ROADWAY	BRIDGE	BR I DGE
NO.	ITEM	UNIT	QUANT I TY	0005	0059	0059
				URBAN	SN 016-0048	SN 016-0049
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1		
X7013820	TRAFFIC CONTROL SURVEILLANCE,	CAL DA	180	180		
X/013820	EXPRESSWAYS	CAL DA	160	160		
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	9079	9079		
X7800956	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - CONTRAST - LINE 7"	FOOT	200	200		
X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	242	242	$\triangle$	
X7830072	GROOVING FOR RECESSED PAVEMENT MARKING 6"	FOOT	2440	2440		1
·	GROOVING FOR RECESSED PAVEMENT MARKING	<u> </u>		·····	R A	
<del>X7830076</del>	<del>9"</del>	F00T	242	<del>242</del>	<u>/1\</u>	
X8570000	SMART TRAFFIC MONITORING SYSTEM	L SUM	1	1		
Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	0.1			0.1
Z0001903	STRUCTURAL STEEL REMOVAL	POUND	5390		2900	2490
Z0001905	STRUCTURAL STEEL REPAIR	POUND	1640		820	820
Z0006016	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 3/4 INCHES	SQ YD	3590		1795	1795
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	3590		1795	1795
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	509		294	215
	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	338		190	148

2 REVISED SHEET 10/26/2021

SECTION

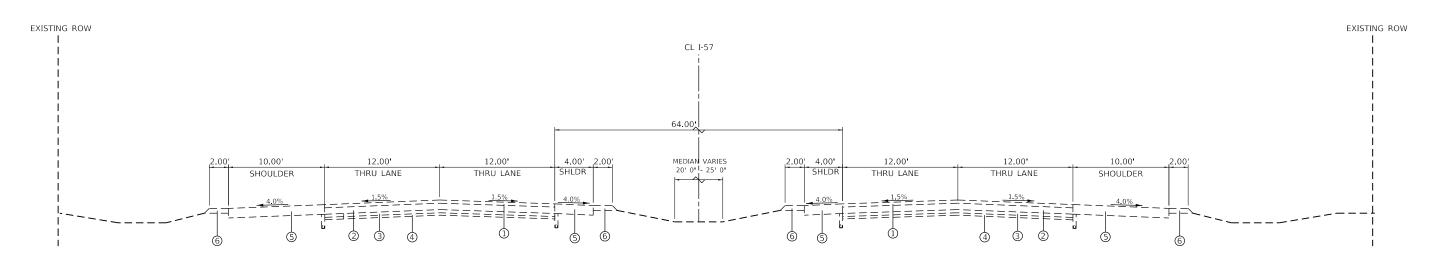
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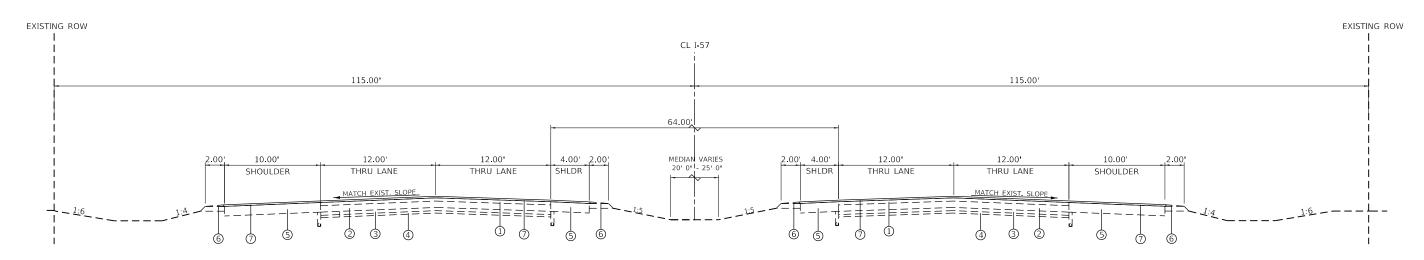
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## I-57 EXISTING TYPICAL SECTION



## I-57 PROPOSED TYPICAL SECTION

# **LEGEND**

- ① EXISTING HMA PAVEMENT, 4" & VARIES
- ② EXISTING CRC PAVEMENT, 8" & VARIES
- 3 EXISTING STABILIZED SUBBASE, 4" & VARIES
- 4 EXISTING AGGREGATE SUBGRADE, VARIES
- ⑤ PAVED SHOULDER, 12", VARIES
- **(6)** EXISTING AGGREGATE SHOULDER
- 7) PROPOSED POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, MIX "F", N80, 2"

## **HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

PAY ITEM DESCRIPTION	MIX TYPE	% AIR VOIDS @ Ndes	QMP DESIGNATION			
APPROACH RESURFACING	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, SMA, 9.5; MIX "F", N80, 2"	3.5% @80 GYR	QC/QA			
SHOULDER RUMBLE STRIP REMOVAL	HMA SURFACE COURSE IL-9.5, MIX D, N70	4% @70 GYR	QC/QA			
CLASS D PATCHING (SPECIAL)	HMA SURFACE COURSE, MIX *D", IL-9.5, N70, TOP 2"	4% @70 GYR	QC/QA			
	HMA BINDER COURSE, IL-19.0, N90, 10"	4% @90 GYR	QC/QA			
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA);						

QUALITY CONTROL FOR PERFORMANCE (QCP)

QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIX QUANTITIES IS 112 LBS/SQYD/IN. THE AC TYPE FOR POLYMERIZIED HMA MIXTURES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY SPECIAL PROVISIONS.

FOR USE OF RECYCLE MATERIALS SEE SPECIAL PROVISIONS.

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STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

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RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEE
57	2020-170-BR		СООК	89	6
			CONTRACT	NO. 62	2M30
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