## INDEX OF SHEETS

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### STATE STANDARDS

DESCRIPTION

,	A THE STATE OF THE	$\mathcal{A}_{ij} = \{ (i,j) \in \mathcal{A}_{ij} \mid i \in \mathcal{A}_{ij} \}  \text{if } i \in \mathcal{A}_{ij} = \{ (i,j) \in \mathcal{A}_{ij} \} \}$
	000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
	442201- <i>03</i>	CLASS C AND D PATCHES
	606301-03	PC CONCRETE ISLANDS AND MEDIANS
	701501 - <b>04</b>	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
	701601- <i>05</i>	URBAN LANE CLOSURE MULTILANE 1W OR 2W WITH NONTRAVERSABLE MEDIAN
	701701- <i>05</i>	URBAN LANE CLOSURE MULTILANE INTERSECTION
	701901	TRAFFIC CONTROL DEVICES

STANDARD NO.

#### GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF CRYSTAL LAKE.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEETS INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

THE RESIDENT ENGINEER SHALL CONTACT MS. DEBBIE HANLON AREA TRAFFIC FIELD ENGINEER AT (847) 438-2300 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKING.

10 FEET (3 METERS) TRANSITION SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER TO EXISTING CURB AND GUTTERS AND MEDIANS ITEMS OF WORK TO EXISTING CURBS AND GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OR WORK SPECIFIED.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 KM/H). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).

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STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

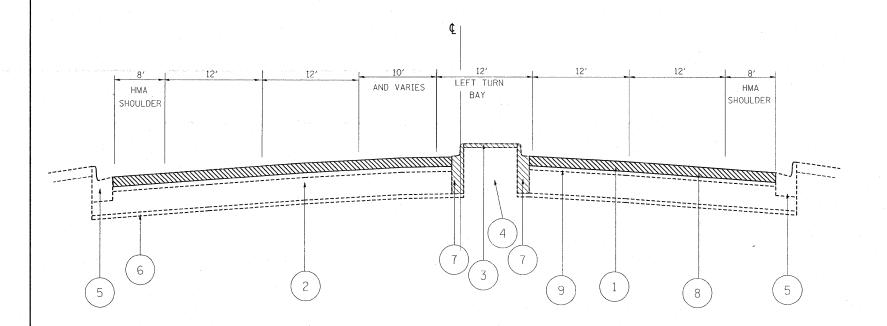
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II 21 INDEV	NE QUEETO	CTATE CTAN	DADDE 9	GENERAL NOTES	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IL 31 IMDEX	OF SHEETS,	SIAIE SIAIN	DANDS &	GENERAL NOTES	336	112 R-N-1	McHenry	31	2
6011.5					4		CONTRACT	NO. 6	OD52
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CONTRACT NO. 60D52

F.A.P. RTE.	SECTION		COUNT	Y	TOTAL SHEETS	SHEET NO.
336	112 R-N-1		McHen	ry.	31	3
FED.	ROAD DIST. NO. 1	ILL	INOIS	HIG	HWAY PRO	JECT

ILL 31 @ CRYSTAL LAKE AVENUE

	,	OUR OF SHANTITIES	-				CONSTRUC <sup>*</sup>	TION TYPE	CODE			SUMMARY OF QUANTITIES				·	CONSTRUCT	1011 / 11 2	<del></del>	
		SUMMARY OF QUANTITIES		TOTAL	90% FED						CODE NO	ITEM	UNIT	TOTAL QUANTITIES	90% FED 10% STATE	90% FED				
CODE NO		ITEM	UNIT	QUANTITIES	10% STATE 1000-2A						CODE NO	11LW	0,11		1000-2A	Y031-1F				_
(032 <del>5</del> 890	REOPTIM	IZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1		1					70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1					
325891		ATTENUATORS (FULLY REDIRECTIVE, BLE), TEST LEVEL 2	EACH	1	1						70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1					
0200100	EARTH E	XCAVATION	CU YD	259	259					*	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	-				
31101400	HOT-A	E GRANULAR MATERIAL, TYPE B 6"	SQ YD	844	844						70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1140	1140					
1	BASE CO	URSE WIDEN (NG. 11"	SQ YD	356	356) 6						70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	510	510		· .			
40300200	100	OUS MATERIALS (PRIME COAT)	TON	31	31						70300220	TEMPORARY PAVEMENT MARKING	FOOT	5450	5450					
40600400	MIXTURE	FOR CRACKS, JOINTS,	TON	5	5						70300240	- LINE 4" TEMPORARY PAVEMENT MARKING	FOOT	1107	1107					
10600635	100	NG BINDER (MACHINE METHOD), N70	TON	655	655						70301000	- LINE 6" WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	380	380		. ' 			
10600895	CONSTRU	UCTING TEST STRIP	EACH	2	2						* 78000100	THERMOPLASTIC PAVEMENT MARKING	SQ FT	510	510					
40600982	HOT-MI)	X ASPHALT SURFACE REMOVAL - BUTT	SQ YD	155	155	en.					<b>*</b> 78000200	- LETTERS AND SYMBOLS THERMOPLASTIC PAVEMENT MARKING	FOOT	5450	5450					
40603340	HOT-MIX	X ASPHALT SURFACE COURSE, 4. N70	TON	613	613						<b>*</b> 78000400	- LINE 4" THERMOPLASTIC PAVEMENT MARKING	FOOT	1107	1107					
40603595		RIZED HOT-MIX ASPHALT SURFACE	TON	814	814							- LINE 6"	FOOT	167	167					
42001300		TIVE COAT	SQ YD	834	834			13.75			<b>*</b> 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	101						
44000158	HOT-MI:	X ASPHALT SURFACE REMOVAL, 2	SQ YD	8301	8301						* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	66	66 66					
44000159	нот-мі	X ASPHALT SURFACE REMOVAL, 2	SQ YD	7300	7300						78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH							
44000500	1/2"	ATION CURB AND GUTTER REMOVAL	FOOT	1956	1956	$\Delta$					81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	F00T	490		490				
44001700		ATION CONCRETE CURB AND GUTTER	FOOT	1050	1050						81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	41		41				
44003100			SQ FT	13790	13790						81001100	CONDUIT IN TRENCH, 5" DIA., GALVANIZED	FOOT	10		10				
44201777	CLASS	D PATCHES, TYPE II, 11 INCH	SQ YD	129	129						81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED	FOOT	95		95	1 1 2			
44300200	STRIP TREATM	REFLECTIVE CRACK CONTROL ENT	FOOT	10998	10998						81018900	STEEL CONDUIT PUSHED, 4" DIA., GALVANIZED	FOOT	430		430				
48102100	AGGREG	ATE WEDGE SHOULDER, TYPE B RESE MEDIAN, SURFACE, 4 INCH TE MEDIAN, TYPE SB-6.12	TON SQ FT		40	1						STEEL	EACH	5		5				
60619600 60604200	CONCRE	TE MEDIAN, TYPE SB-6.12  ATION CONCRETE CURB AND GUTTER  AIL REMOVAL TYPE B-6.12 (SPECIAL)	SQ FT	3936 1841 30	3936	<b>)</b>					81400100	HANDHOLE HEAVY-DUTY HANDHOLE	EACH	2		2				
67000400		ER'S FIELD OFFICE, TYPE A	CAL MO	6	6	1					81400300	DOUBLE HANDHOLE	EACH	1		1				
67100100	MOBILI	ZATION	L SUM	1	1															

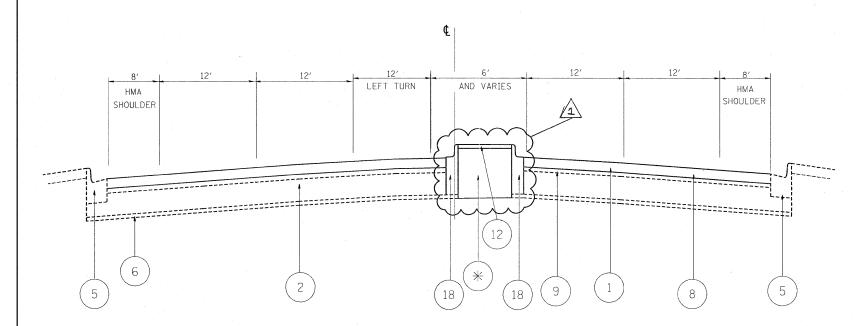


IL 31

EXISTING TYPICAL SECTION

STA. 9+22 TO STA. 11+25

STA. 18+57 TO STA. 20+60



IL 31

PROPOSED TYPICAL SECTION
STA. 9+22 TO STA. 11+25
STA. 18+57 TO STA. 20+60

\* NOTE THE COARSE AGGREGATE BACK FILL SHALL BE INCLUDED IN THE COST OF CONCRETE MEDIAN SURFACE, 4 INCH

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL. ROUTE 31 @ CRYSTAL LAKE AVENUE
EXISTING AND PROPOSED TYPICAL CROSS SECTIONS
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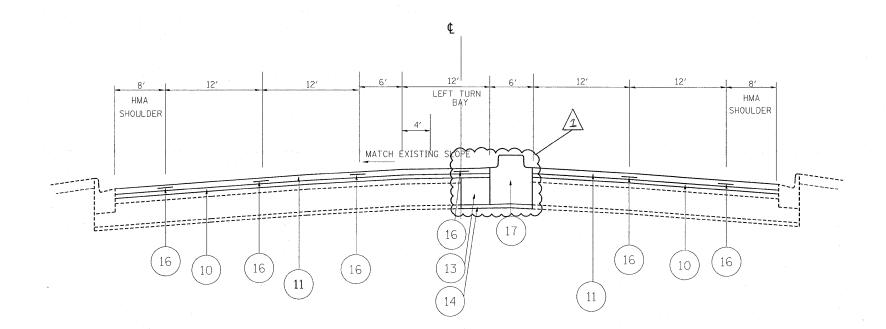
LEGEND

- 1 EXISTING HOT-MIX ASPHALT SURFACE COURSE, 4 1/4" ±
- (2) EXISTING HOT MIX ASPHALT BASE COURSE, 11" ±
- (3) EXISTING P.C.C. MEDIAN
- (4) EXISTING COMPACTED EARTH
- 5 EXISTING CONCRETE CURB AND GUTTER, TYPE B-6.24
- (6) EXISTING SUB-BASE GRANULAR MATERIAL
- (7) EXISTING CURB AND GUTTER TO BE REMOVED
- 8 PROPOSED HOT MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- (9) EXISTING HOT MIX ASPHALT OVERLAY AFTER MILLING
- (10) PROPOSED LEVELING BINDER (MACHINE METHOD), N70 (3/4")
- PROPOSED POLYMERIZED HOT MIX ASPHALT SURFACE COURSE MIX "F", N90 1 3/4"
- PROPOSED CONCRETE MEDIAN SURFACE, 4 INCH
- PROPOSED HOT MIX ASPHALT BASE COURSE WIDENING, 13
- PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 67/2
- (15) DELETED
- 16) PROPOSED STRIP REFLECTIVE CRACK CONTROL
- PROPOSED P.C.C. MEDIAN SB-6.12
- PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B 6.12 (SPECIAL)

8' 12' 12' 10' 12' 12' 12' 12' 12' 8' HMA SHOULDER SHOULDER SHOULDER STOULDER STOULD

IL 31

# EXISTING TYPICAL SECTION STA. 15+39 TO STA. 18+67



IL 31

# PROPOSED TYPICAL SECTION STA. 15+39 to STA. 18+57

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL. ROUTE 31 @ CRYSTAL LAKE AVENUE
EXISTING AND PROPOSED TYPICAL CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. TO STA.

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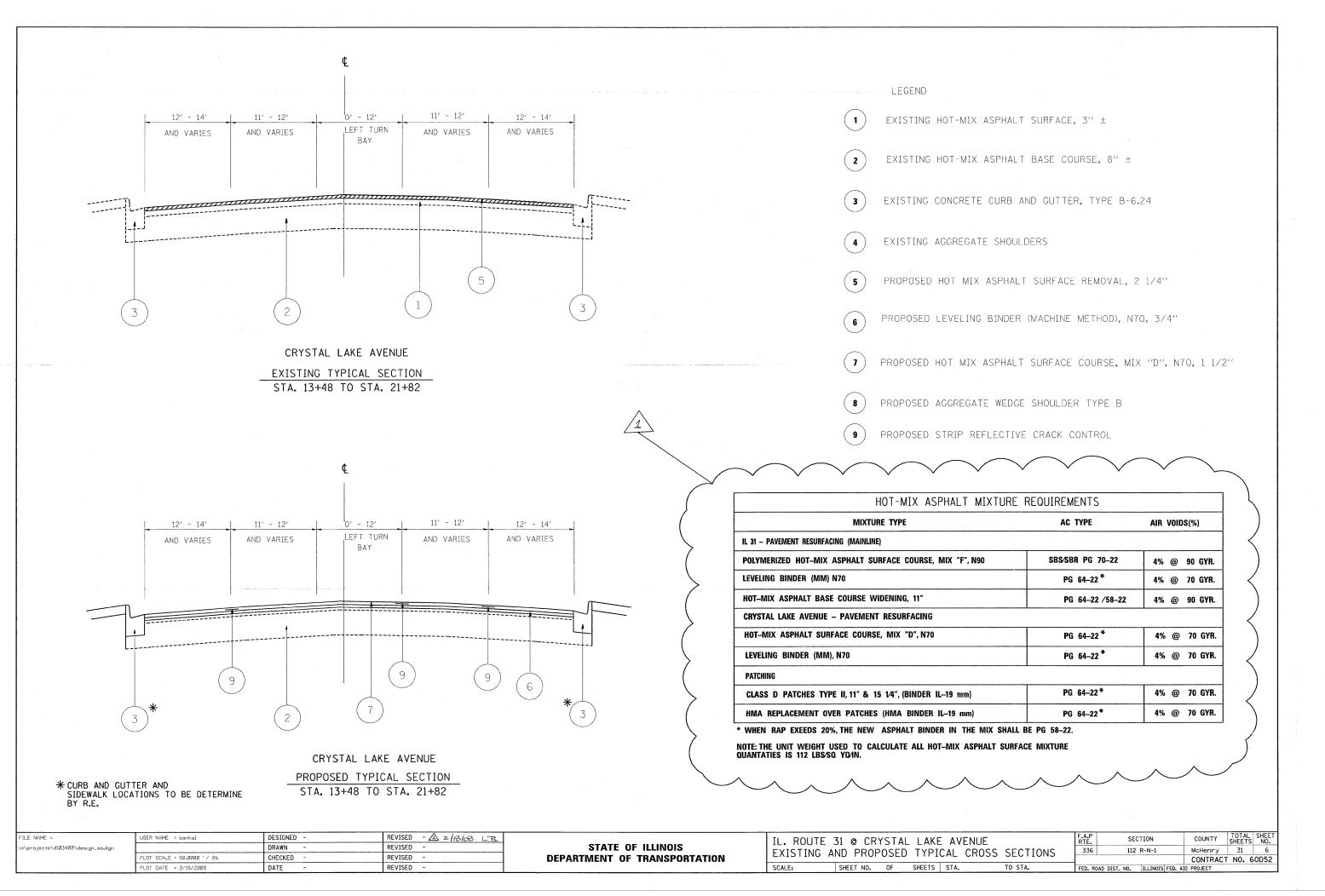
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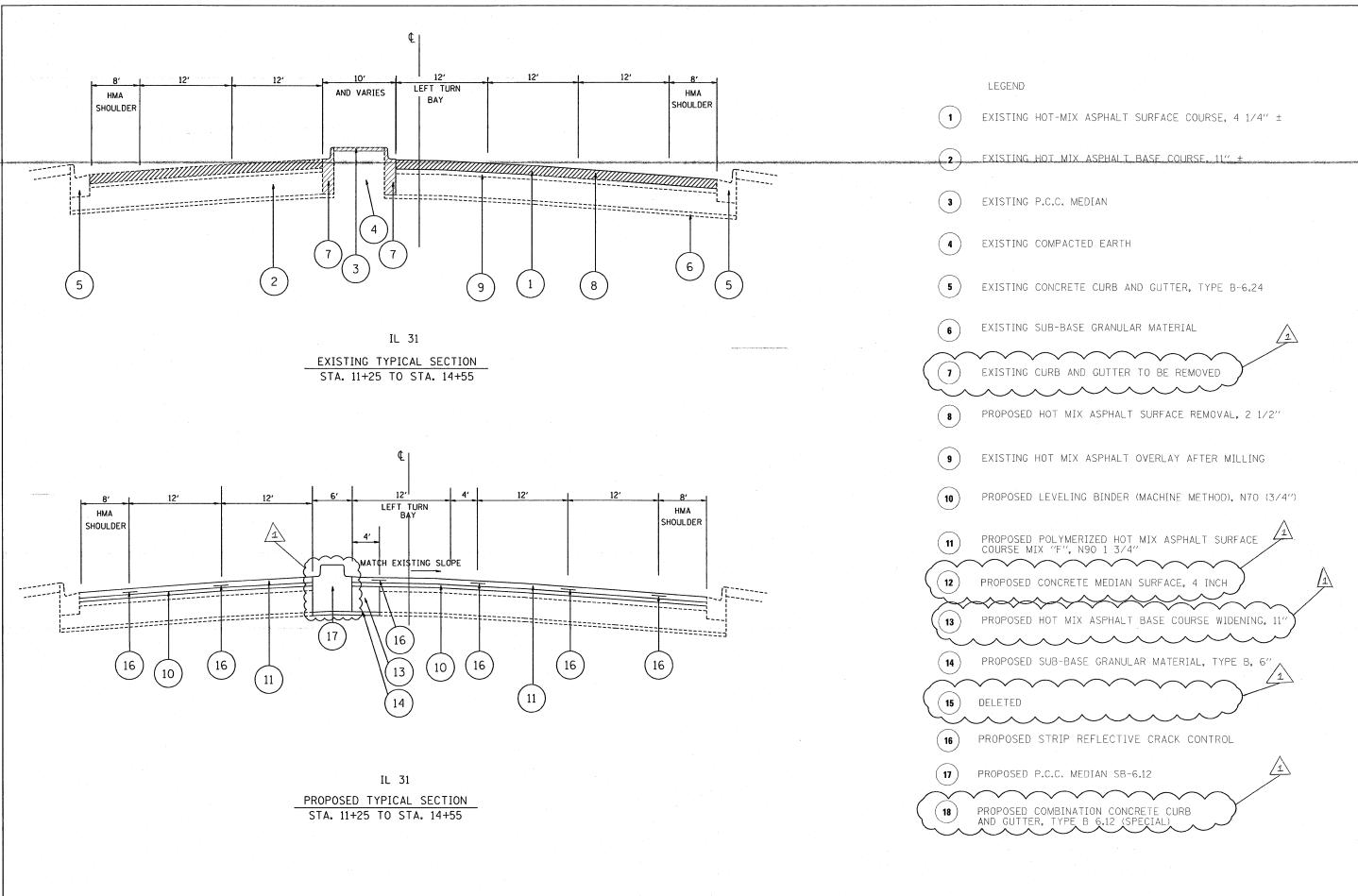
CONTRACT NO. 60D52

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

LEGEND

- 1 EXISTING HOT-MIX ASPHALT SURFACE COURSE, 4 1/4" ±
- 2) EXISTING HOT MIX ASPHALT BASE COURSE, 11" ±
- 3 EXISTING P.C.C. MEDIAN
- (4) EXISTING COMPACTED EARTH
- 5 EXISTING CONCRETE CURB AND GUTTER, TYPE B-6.24
- 6 EXISTING SUB-BASE GRANULAR MATERIAL
- EXISTING CURB AND GUTTER TO BE REMOVED
- 8 PROPOSED HOT MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- 9 EXISTING HOT MIX ASPHALT OVERLAY AFTER MILLING
- 10) PROPOSED LEVELING BINDER (MACHINE METHOD), N70 (3/4")
- PROPOSED POLYMERIZED HOT MIX ASPHALT SURFACE COURSE MIX "F", N90 1 3/4"
- $\sqrt{ig(12ig)}$  proposed concrete median surface, 4 inch
- ((13) PROPOSED HOT MIX ASPHALT BASE COURSE WIDENING, 11'
- PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE B, 67/2
- (15) DELETED
- (16) PROPOSED STRIP REFLECTIVE CRACK CONTROL
- PROPOSED P.C.C. MEDIAN SB-6.12
- PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B 6.12 (SPECIAL)





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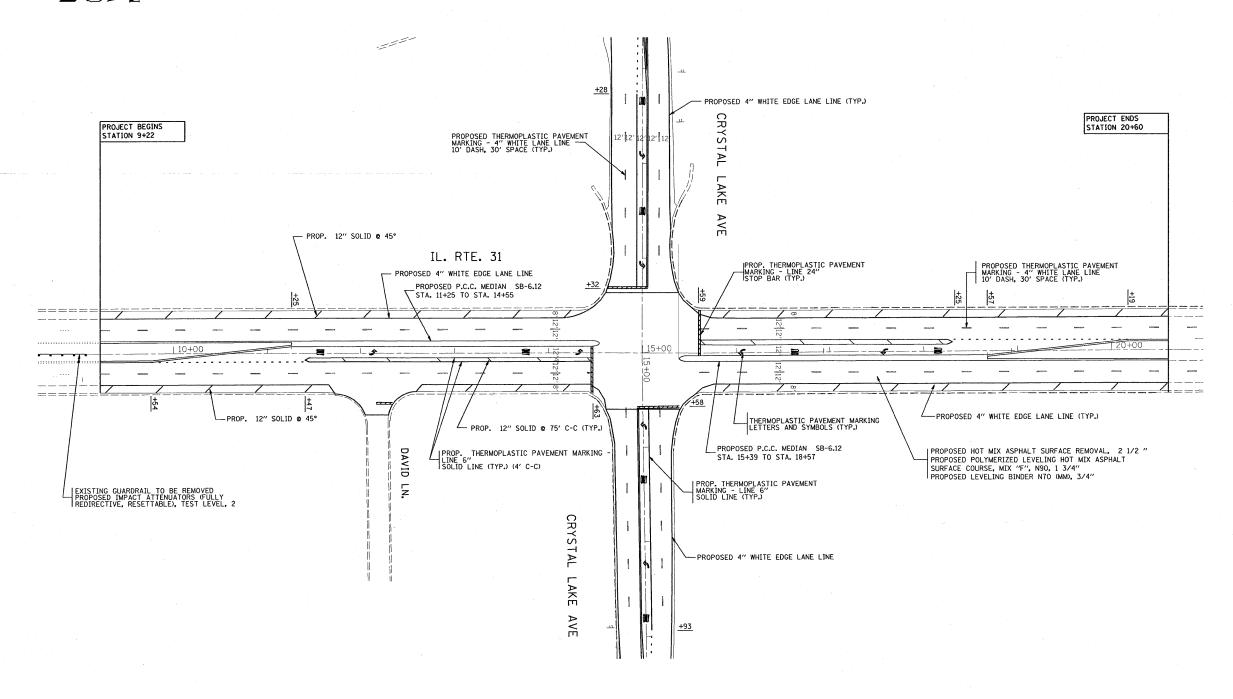
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL. ROUTE 31 @ CRYSTAL LAKE AVENUE
EXISTING AND PROPOSED TYPICAL CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. TO STA.



NOTES: LIMIT OF RESURFACING ON SIDE-STREETS THROUGH OUT THE IMPROVEMENT SHALL BE TO THE RADIUS OF RETURN OR AS DIRECTED BY THE ENGINEER

ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC (OF THE EXTRUDED TYPE) AND SHOULD BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" DETAIL, (TC-13).

ALL RAISED REFLECTIVE PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKER DETAIL." (TC-1).

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STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** 

IL. ROUTE	31@ CRYS	STAL	LAKE	AVEN	IUE	
PROPOSED	ROADWAY	AND	PAVE	MENT	MARKING PLANS	
SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	

F.A.P RTE.	SEC	TION	COUNTY	TOTAL	SHEET NO.
336	112	R-N-1	McHENRY	31	11
 			CONTRAC	T NO. 6	OD52
FED. ROA	D DIST. NO.	ILLINOIS FE	. AID PROJECT		