

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2016-026RS	WILL	30	1
		ILLINOIS	CONTRACT NO. 62C41	

*30+15 = 45 total pages

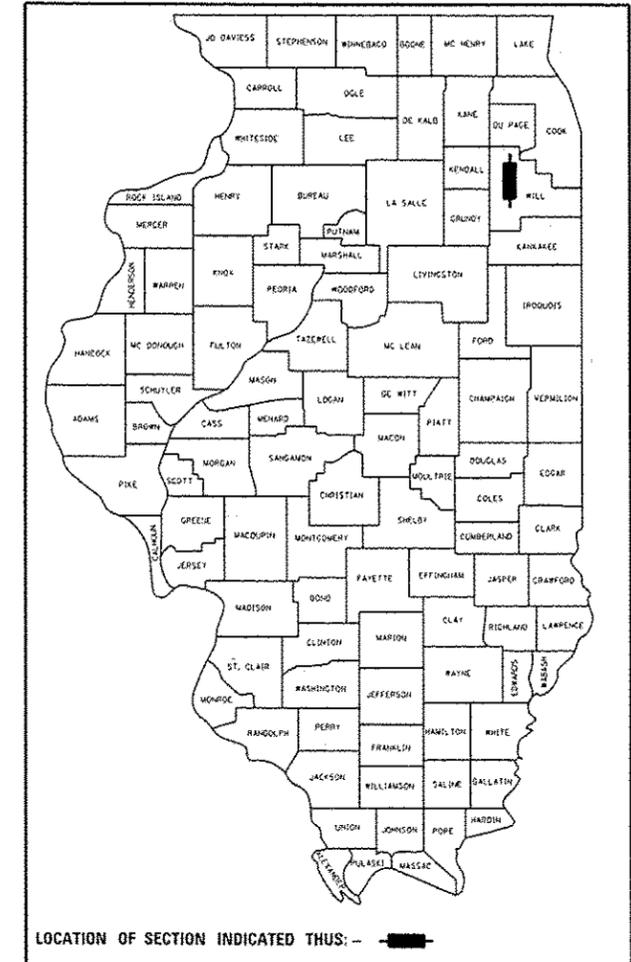
D-91-348-16

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT IS LOCATED IN THE CITY OF JOLIET

**PROPOSED
HIGHWAY PLANS**
FAP ROUTE 112: US 52 /US 6 /IL-53
I-80 TO WASHINGTON ST
SECTION 2016-026RS
PROJECT: NHPP-0112(033)
RESURFACING (3P) AND PEDESTRIAN
RAMP IMPROVEMENTS
WILL COUNTY

C-91-348-16

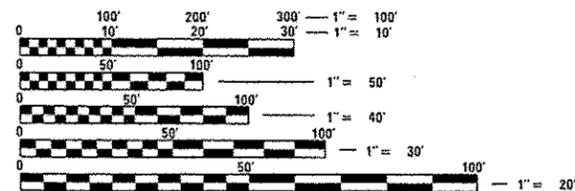


AVERAGE DAILY TRAFFIC

CHICAGO STREET: (I-80 - OSGOOD ST.) = 14,400 - 17,700 (2015)
CHICAGO STREET: (OSGOOD ST. - WASHINGTON ST.) = 5,900 (2015)

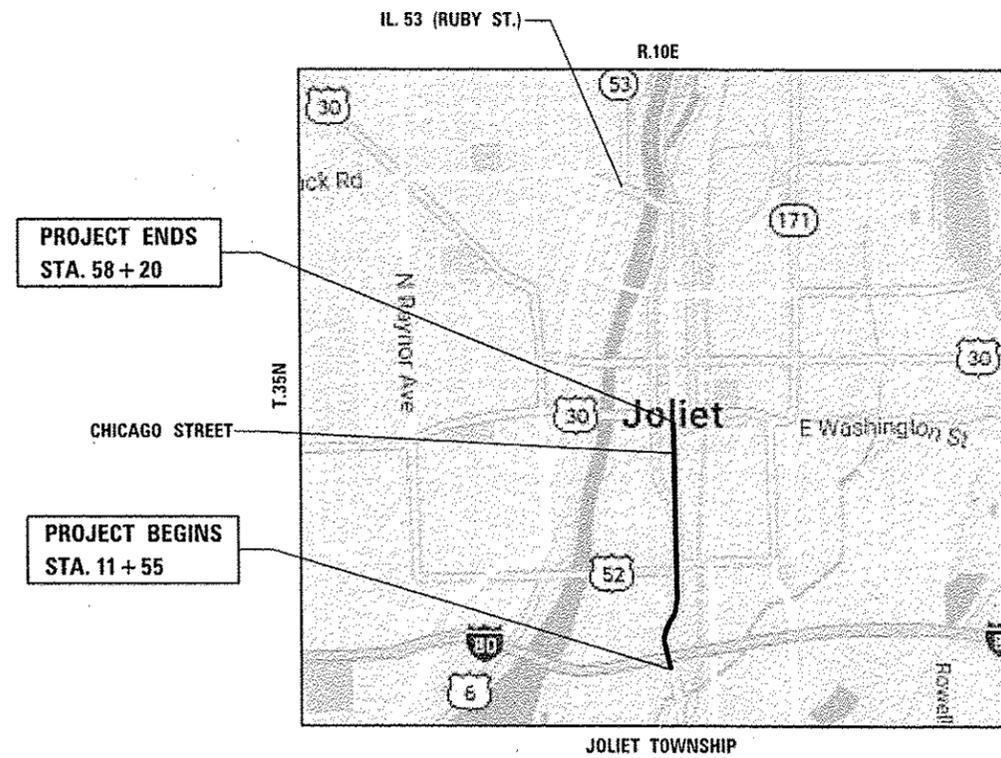
POSTED SPEED LIMIT

30 MPH



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811



GROSS AND NET LENGTH = 4,665 FT. = 0.884 MILES

PROJECT ENGINEER JENPAI CHANG (847) 705-4432
PROJECT MANAGER FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62C41

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED February 16, 2017
Regional Engineer
March 24, 2017
Maureen M. Addis, P.E.
Engineer of Design and Environment
March 24, 2017
Director of Program Development

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, LIST OF STATE STANDARDS, AND PLAN NOTES
3-5	SUMMARY OF QUANTITIES
6-10	EXISTING AND PROPOSED TYPICAL SECTIONS
11-12	EXISTING AND PROPOSED ROADWAY PAVEMENT MARKING PLANS
13-14	DETECTOR LOOP PLANS
15, 15A-15O	PEDESTRIAN RAMP DETAILS
16	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5m) (BD-01)
17	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB < 15' (4.5m) (BD-02)
18	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-08)
19	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
20	GUTTER REMOVAL AND REPLACEMENT (BD-24)
21	BUTT JOINT AND HMA TAPER DETAIL (BD-32)
22	HMA TAPER EDGE OF P.C.C. PAVEMENT (BD-33)
23	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
24	TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT) (TC-11)
25	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
26	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
27	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING (TC-16)
28	ARTERIAL ROAD INFORMATION SIGN (TC-22)
29	DISTRICT ONE DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)
30	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05 SHT 2)

STANDARDS

STD. NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-03	CLASS C & D PATCHES
424001-09	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-02	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-03	CORNER CURB RAMPS FOR SIDEWALKS
424026-01	ENTRANCE ALLEY PEDESTRIAN CROSSING
606001-06	CONCRETE CURB AND COMBINATION CONCRETE CURB AND GUTTER
643001-02	SAND MODULE IMPACT ATTENUATORS
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5M) TO 24" (600MM) FROM PAVEMENT
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE 1W OR 2W WITH NON TRAVERSABLE MEDIAN
701602-08	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK CORNER OR CROSSWALK CLOSURE
701901-06	TRAFFIC CONTROL DEVICES
814001-03	HANDHOLES
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTION LOOPS

PLAN NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.

THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 72 HOURS IN ADVANCE OF BEGINNING WORK.

THE ENGINEER SHALL CONTACT ERIC CAMPOS, IDOT'S AREA TRAFFIC FIELD ENGINEER FOR WILL COUNTY, VIA EMAIL AT ERIC.CAMPOS@ILLINOIS.GOV AND OR AT 815-485-6475, A MINIMUM OF 2 WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

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

ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.

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.

PLAN NOTES (cont.)

ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT, WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

DRAINAGE STRUCTURE ADJUSTMENT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.

WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES (40 mm) WHERE THE SPEED LIMIT IS 40 MPH (80 Km/h) OR LESS AND 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH (80 Km/h). WITH WRITTEN APPROVAL OF 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).

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

ACCESS TO ALL COMMERCIAL & PRIVATE ENTRANCES WILL BE MAINTAINED AT ALL TIMES EXCEPT DURING THE SHORT DURATION WHEN CONSTRUCTION ACTIVITIES ARE UNDERWAY AT THIS ENTRANCE.

ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION; [HTTP://WWW.IDOT.ILLINOIS.GOV/TRANSPORTATION-SYSTEM/ENVIRONMENT/EROSION-AND-SEDIMENT-CONTROL](http://www.idot.illinois.gov/transportation-system/environment/erosion-and-sediment-control)

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

THE EXACT LOCATION OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATION OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811, OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).

IF THIS CONTRACT REQUIRES THE SERVICE OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK. IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT ELECTRICAL FACILITIES FROM THE DISTRICT ONE ELECTRICAL MAINTAINANCE CONTRACTOR PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUESTS MAY BE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.

RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

TO PERMIT PEDESTRIAN TRAFFIC DURING CONSTRUCTION, SIDEWALK SHALL REMAIN OPEN ON ONE SIDE OF THE STREET AT ALL TIMES.

FILE NAME :	USER NAME : aqeelfff	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STANDARDS AND GENERAL NOTES U.S. RTE. 6 /IL RTE. 53 (I-80 TO WASHINGTON ST.)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default		CHECKED -	REVISED -			112	2016-026R5	WILL	30	2	
		DATE -	REVISED -			CONTRACT NO. 62C41					
						ILLINOIS FED. AID PROJECT					

Rev

URBAN

URBAN

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED/ 20% STATE				
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	61	61				
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1				
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2				
67100100	MOBILIZATION	LSUM	1	1				
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	1				
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	LSUM	1	1				
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	LSUM	1	1				
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	1				
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1	1				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	596	596				
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	199	199				
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	182	182				

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED/ 20% STATE				
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	3598	3598				
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	2594	2594				
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	112	112				
70300520	PAVEMENT MARKING TAPE, TYPE 111 4"	FOOT	596	596				
72400310	REMOVE SIGN PANEL - TYPE 1	SO FT	18	18				
72400710	RELOCATE SIGN PANEL - TYPE 1	SO FT	18	18				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	182	182				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3598	3598				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2594	2594				
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	112	112				
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	356	356				
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	358	358				
	* SPECIALTY ITEM							
	# NON-PARTICIPATING ITEM (100 % STATE)							

12

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED/ 20% STATE				
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	100	100				
* 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	200	200				
* 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	100	100				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	113	113				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	113	113				
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	2				
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	2000	2000				
* 89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	6	6				
* 89502376	REBUILD EXISTING HANDHOLE	EACH	3	3				
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1				
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SO FT	673	673				
X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SO YD	10000	10000				
# X5537900	STORM SEWERS TO BE CLEANED 15"	FOOT	75	75				

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED/ 20% STATE				
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	30	30				
X6431220	REMOVE AND REPLACE IMPACT ATTENUATOR SAND MODULE	EACH	1	1				
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	199	199				
* X8950205	REBUILD EXISTING HANDHOLE, SPECIAL	EACH	1	1				
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	1110	1110				
# Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	10	10				
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	102.8	102.8				
	* SPECIALTY ITEM							
	# NON-PARTICIPATING ITEM (100 % STATE)							

FILE NAME :	USER NAME : equest	DESIGNED -	REVISED -
D:\NLD\BIB\INTEG\Inland\gou\PI\DOT\Documents\5001	D:\Inland\District\NPR\Inland\501348\BIB\CAD\Dot\Design\01348	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2016-026RS	WILL	30	5
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

CONTRACT NO. 62C41

LEGEND

- ① EXISTING PCC PAVEMENT 9.5''±
- ② EXISTING COMBINATION CURB & GUTTER (B 6:12)
- ③ EXISTING GRANULAR SUBBASE
- ④ PROPOSED PCC SURFACE REMOVAL (VARIABLE DEPTH)
- ⑤ PROPOSED POLY HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70, IL 9.5mm, 1¾''
- ⑥ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, ¾''
- ⑦ HMA SURFACE REMOVAL, 2¼''

HOT MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE USES	DESIGN AIR VOIDS	QMP
POLYMERIZED HMA SURFACE COURSE, MIX "E", N 70, (IL-9.5mm), 1¾''	4% @ 70 GYR	QCP
POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, ¾''	3.5% @ 50 GYR	QC/QA
CLASS "D" PATCHES, 10" (HMA BINDER IL-19mm)	4% @ 70 GYR	QC/QA

DRIVEWAYS		
HOT MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE USES	DESIGN AIR VOIDS	QMP
HMA SURFACE COURSE, MIX "D", N50 (IL-9.5MM), 2''	4% @ 50 GYR	QC/QA
HMA BASE COURSE, 8" (HMA BINDER IL-19MM)	4% @ 50 GYR	QC/QA

QMP DESIGNATION: QUALITY CONTROL / QUALITY ASSURANCE (QC/QA)
 QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)

NOTES:

THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITY IS 112 LBS/SQ YD/IN.

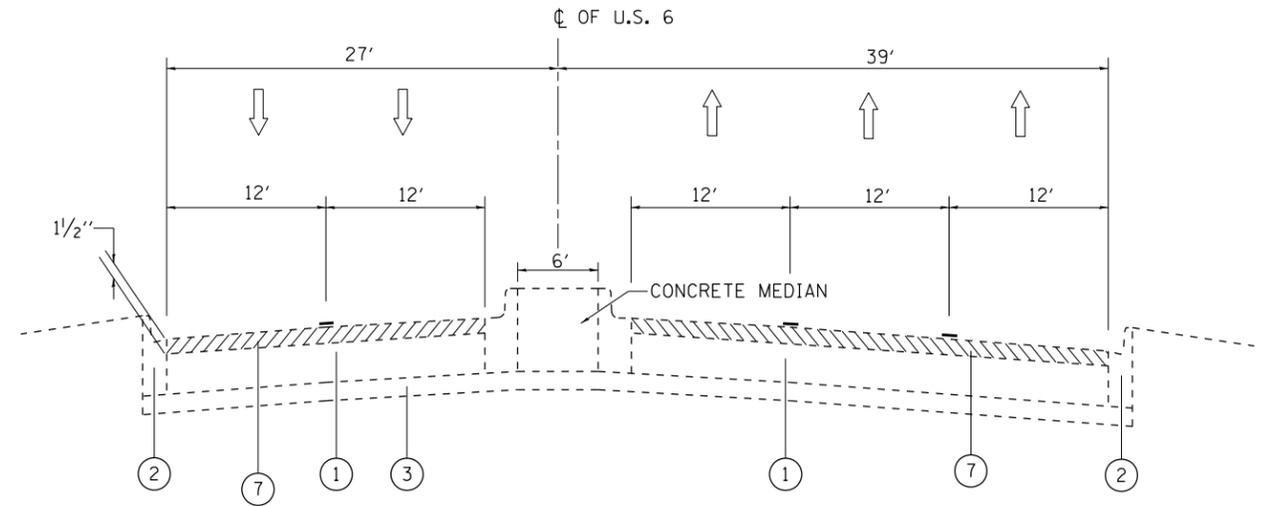
AC TYPE NOTE

THE AC TYPE FOR POLYMERIZED HMA MIX SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE AC TYPE SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS, SEE SPECIAL PROVISIONS.

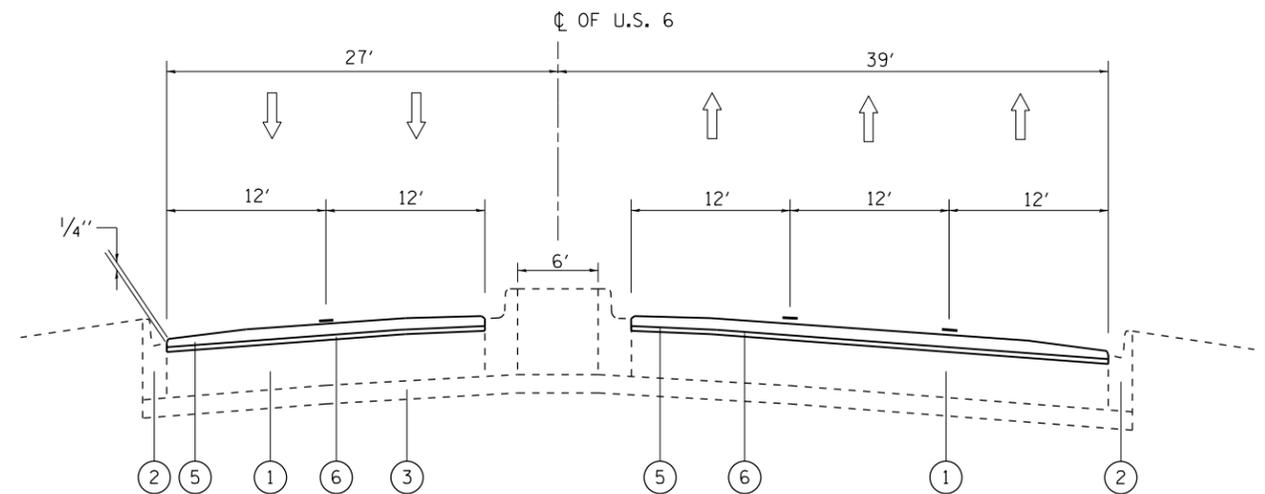
QMP NOTE

"QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE".



EXISTING TYPICAL SECTION

STA. 15+25 TO STA. 16+00



PROPOSED TYPICAL SECTION

STA. 15+25 TO STA. 16+00

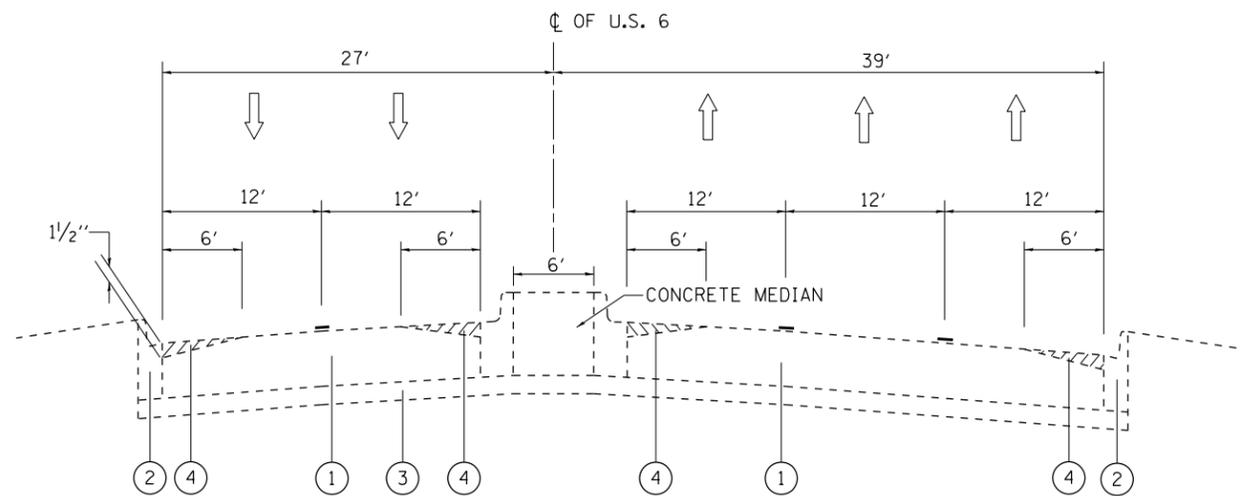
FILE NAME =	USER NAME = aqeelff	DESIGNED -	REVISED -
p:\IL084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI34816\Meta\Design\DI34816-sh-typical.dgn		DRWN -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/15/2017	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL CROSS SECTIONS
 U.S. RTE. 6 /IL. RTE. 53 (I-80 TO WASHINGTON ST.)**

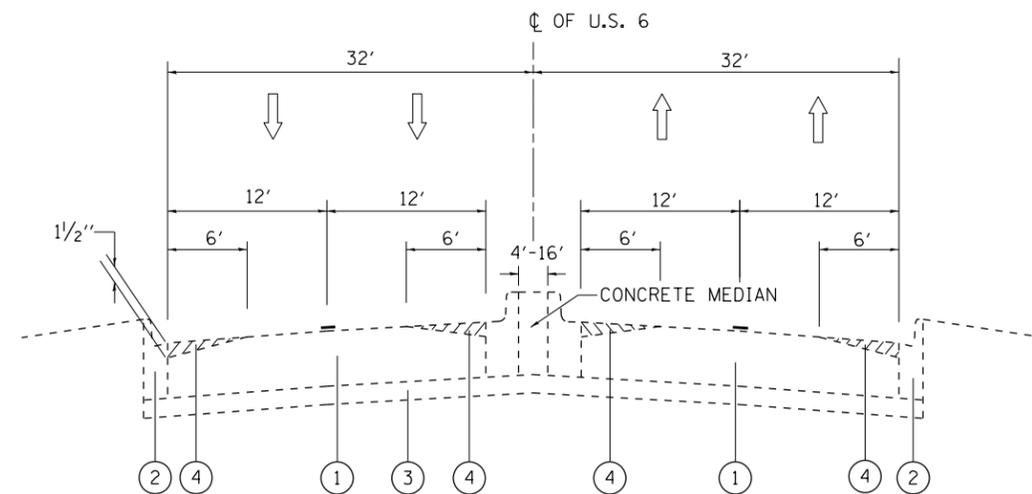
SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2016-026RS	WILL	30	6
CONTRACT NO. 62C41				
ILLINOIS FED. AID PROJECT				



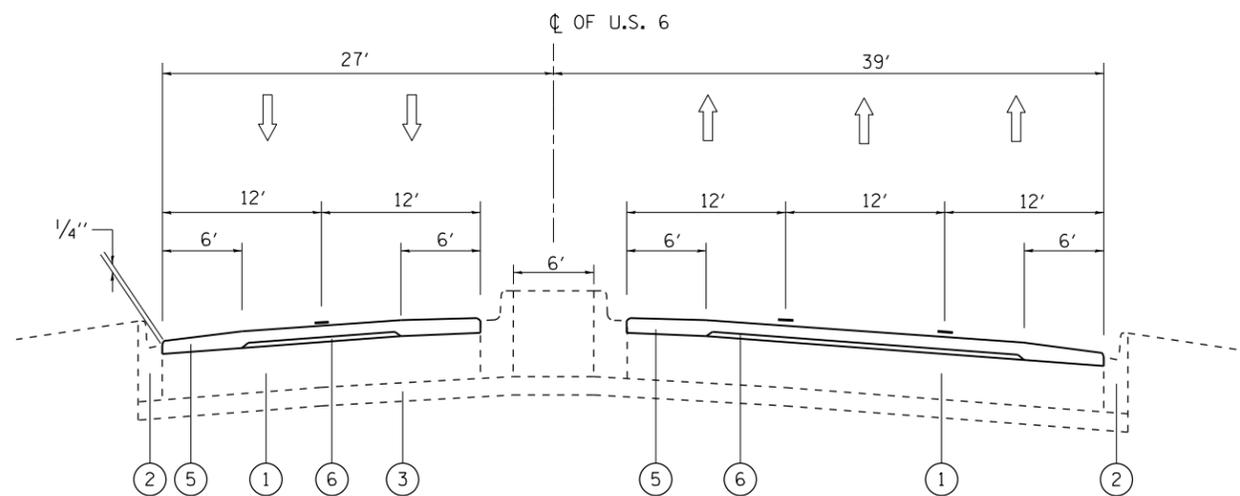
EXISTING TYPICAL SECTION

STA. 16+00 TO STA. 21+50



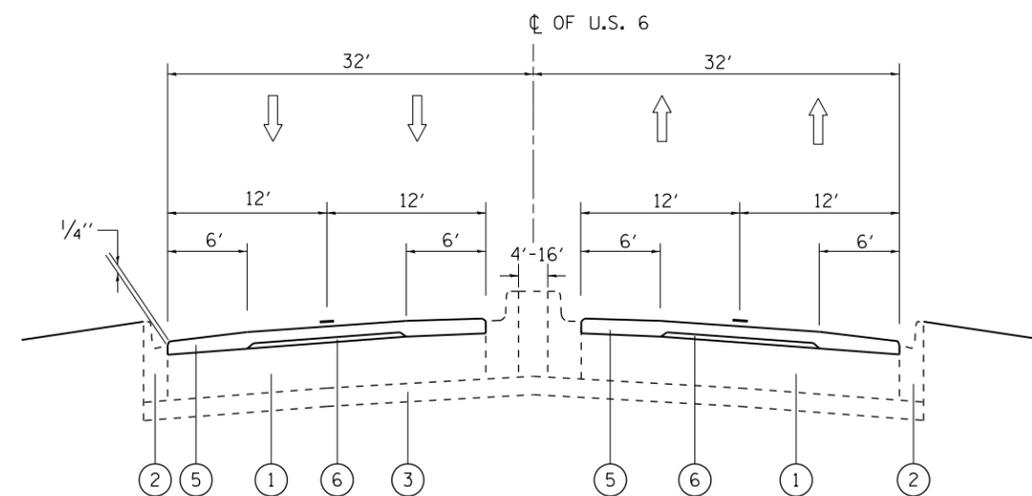
EXISTING TYPICAL SECTION

STA. 21+50 TO STA. 27+22



PROPOSED TYPICAL SECTION

STA. 16+00 TO STA. 21+50



PROPOSED TYPICAL SECTION

STA. 21+50 TO STA. 27+22

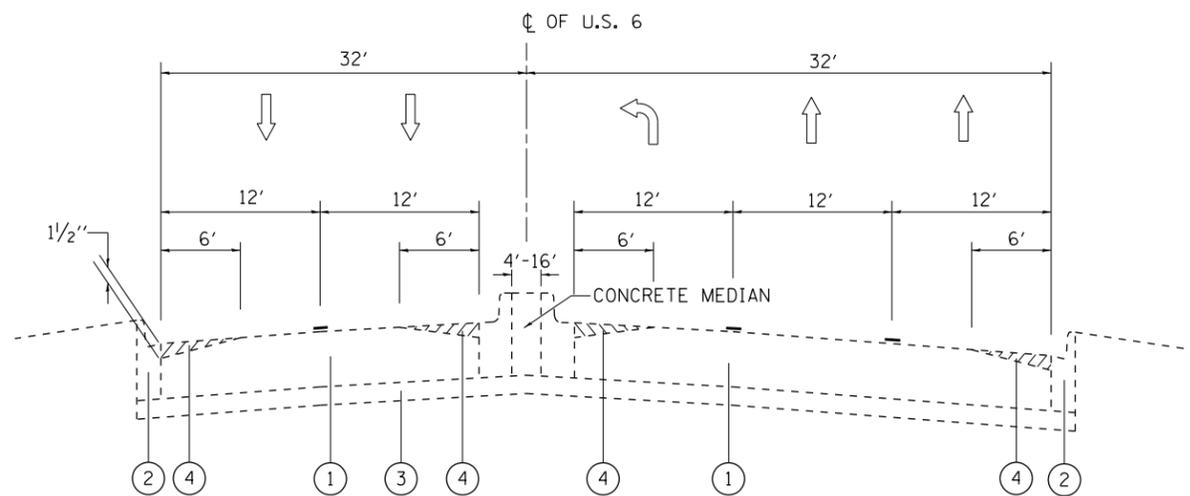
FILE NAME =	USER NAME = aqeelff	DESIGNED -	REVISED -
p:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI34816\Design\DI34816-sh-typical.dgn		REVISED -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/15/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL CROSS SECTIONS
U.S. RTE. 6 /IL. RTE. 53 (I-80 TO WASHINGTON ST.)**

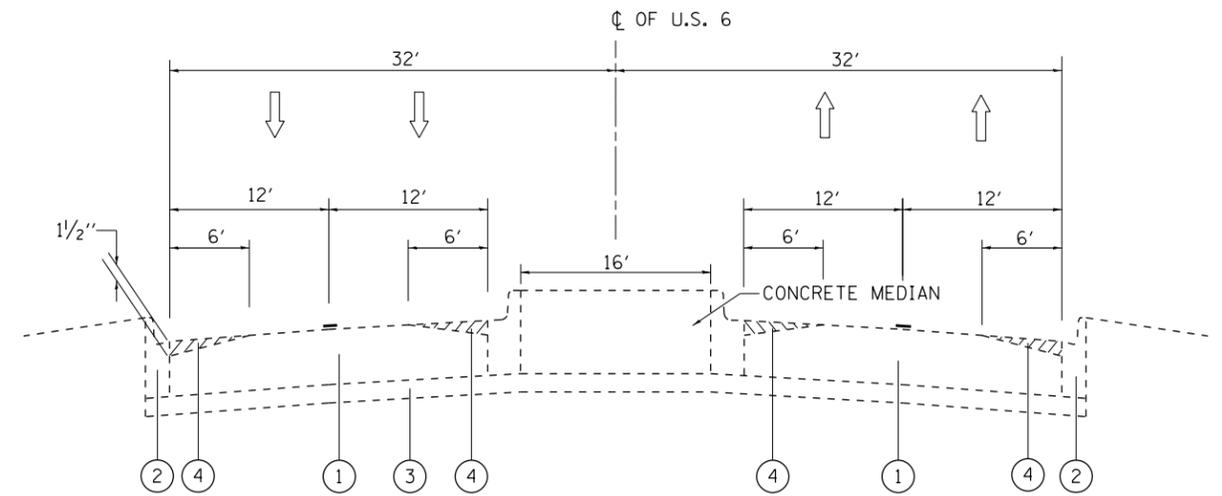
SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2016-026RS	WILL	30	7
CONTRACT NO. 62C41			ILLINOIS FED. AID PROJECT	



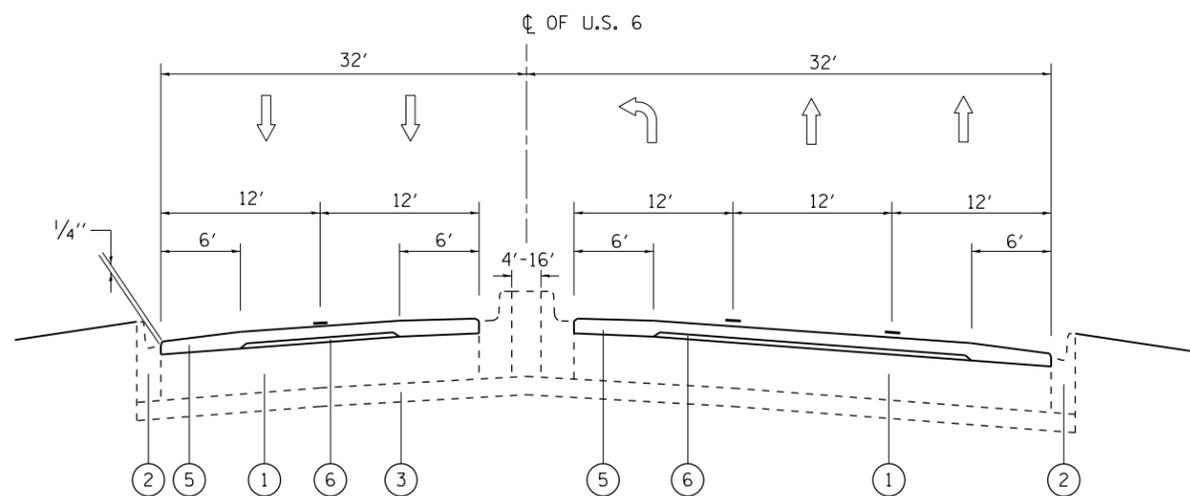
EXISTING TYPICAL SECTION

STA. 27+22 TO STA. 37+00



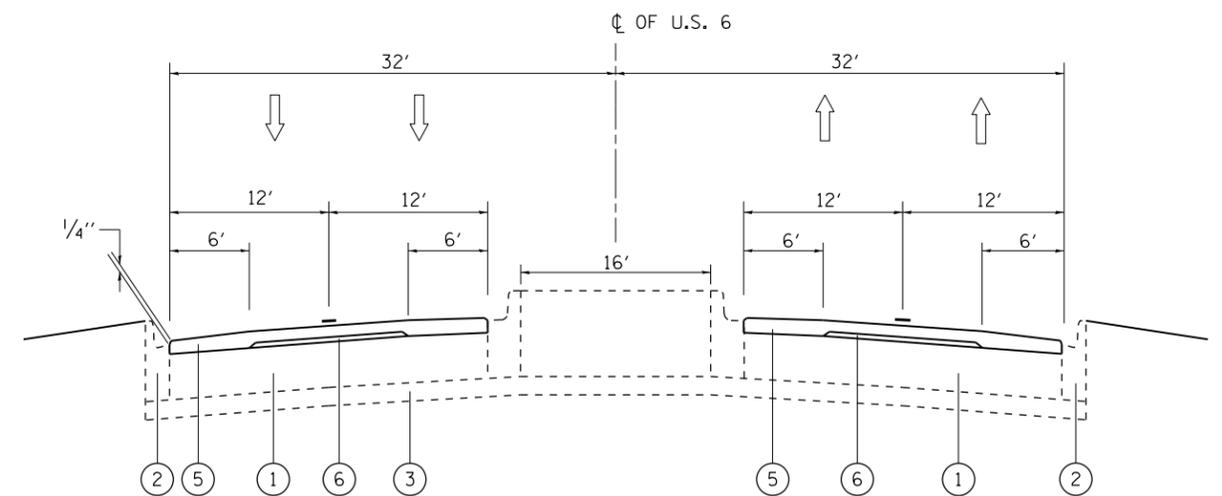
EXISTING TYPICAL SECTION

STA. 37+00 TO STA. 44+50



PROPOSED TYPICAL SECTION

STA. 27+22 TO STA. 37+00



PROPOSED TYPICAL SECTION

STA. 37+00 TO STA. 44+50

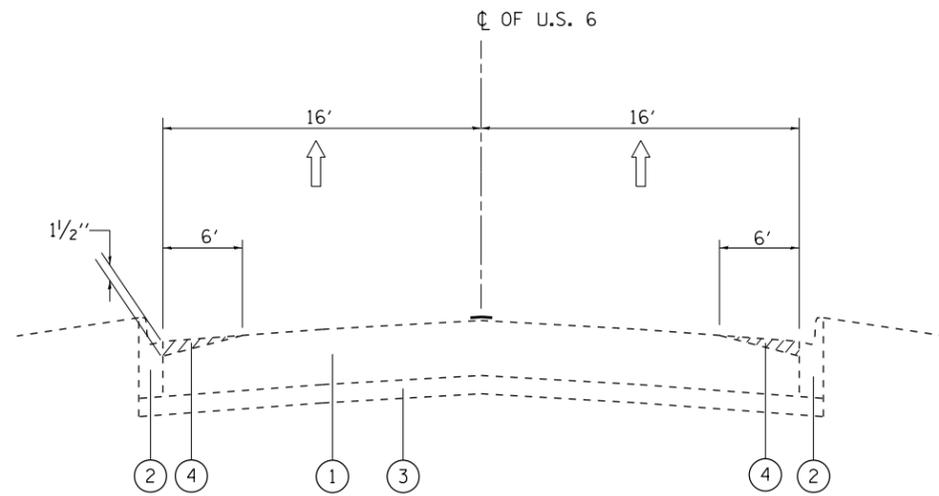
FILE NAME =	USER NAME = aqeelff	DESIGNED -	REVISED -
p:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI3486\Design\DI3486-sh-typical.dgn		REVISION	REVISION
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/15/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL CROSS SECTIONS
U.S. RTE. 6 /IL. RTE. 53 (I-80 TO WASHINGTON ST.)**

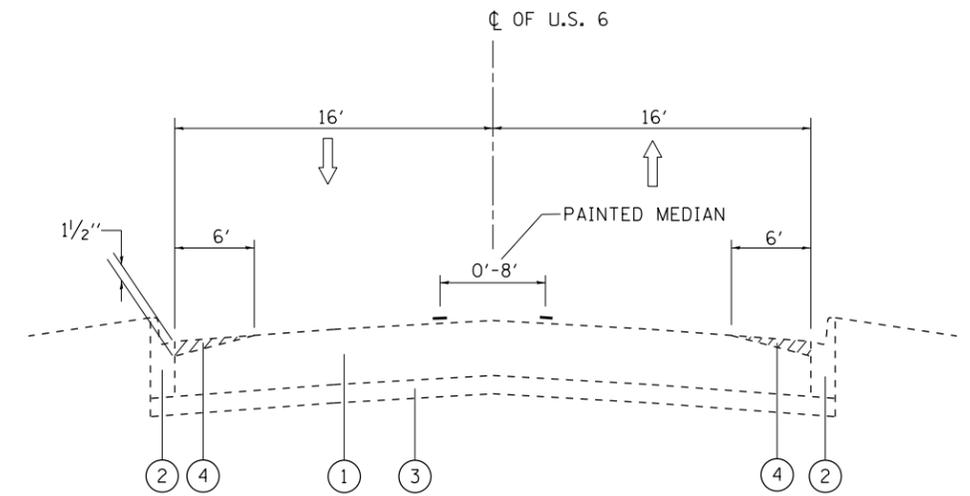
SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2016-026RS	WILL	30	8
CONTRACT NO. 62C41				
ILLINOIS FED. AID PROJECT				



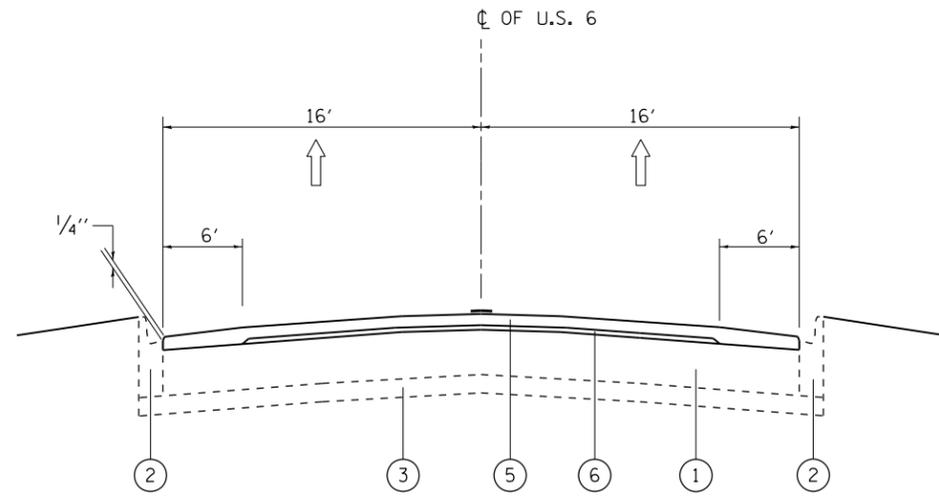
EXISTING TYPICAL SECTION

STA. 44+50 TO STA. 57+19
(ONE WAY TRAFFIC)



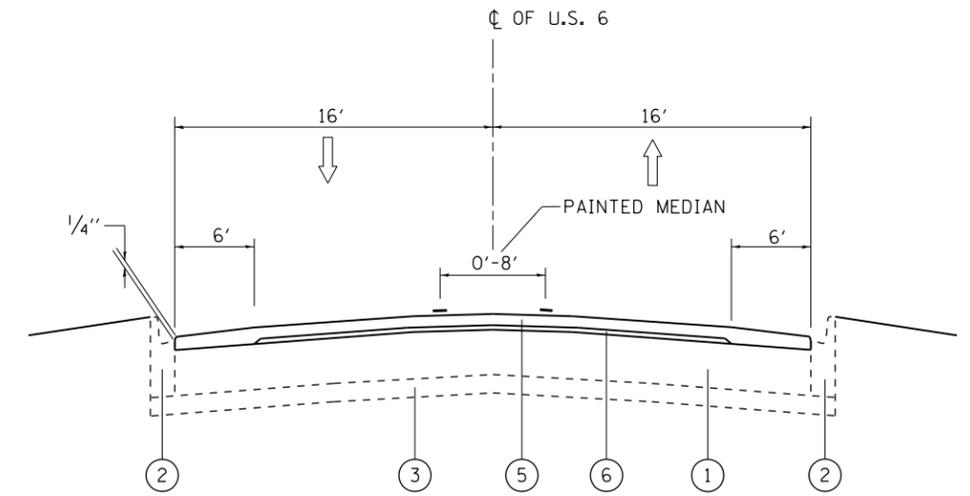
EXISTING TYPICAL SECTION

STA. 57+19 TO STA. 58+16.5
(ONE WAY TRAFFIC)



PROPOSED TYPICAL SECTION

STA. 44+50 TO STA. 57+19
(ONE WAY TRAFFIC)



PROPOSED TYPICAL SECTION

STA. 57+19 TO STA. 58+16.5
(ONE WAY TRAFFIC)

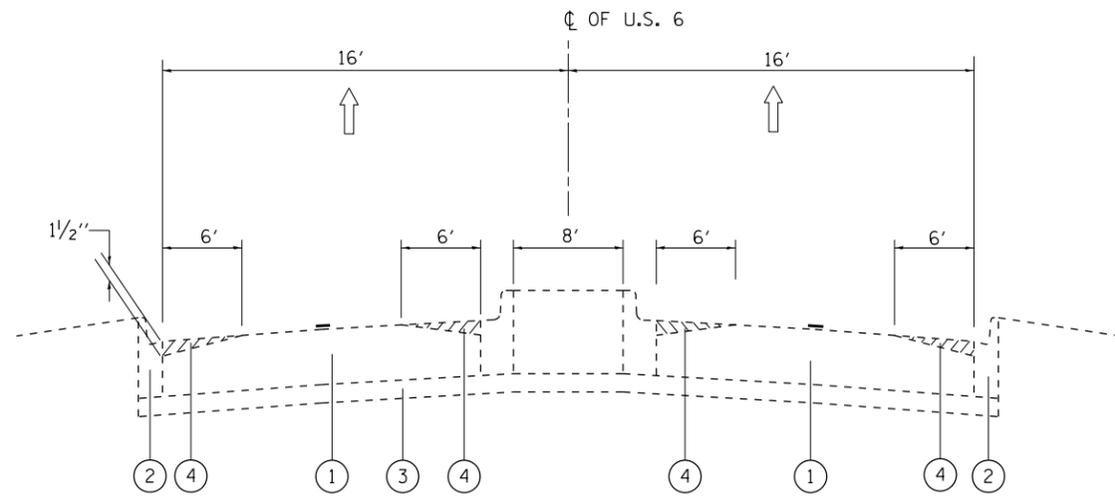
FILE NAME =	USER NAME = aqeelff	DESIGNED -	REVISED -
p:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI34816\Design\DI34816-sh-typical.dgn		REVISED -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/15/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TYPICAL CROSS SECTIONS
U.S. RTE. 6 /IL. RTE. 53 (I-80 TO WASHINGTON ST.)**

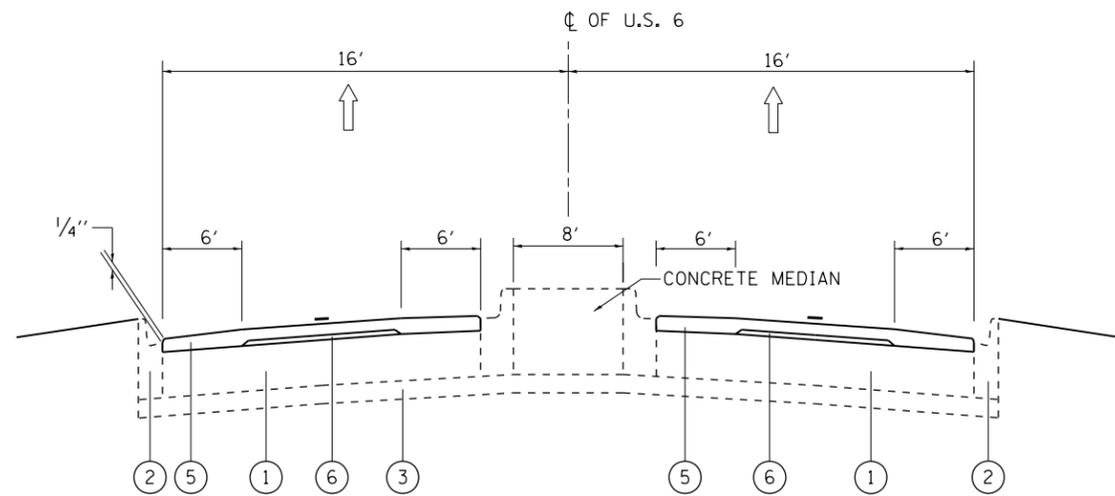
SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2016-026RS	WILL	28	9
CONTRACT NO. 62C41				
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION

STA. 58+16.5 TO STA. 59+41.2
(ONE WAY TRAFFIC)



PROPOSED TYPICAL SECTION

STA. 58+16.5 TO STA. 59+41.2
(ONE WAY TRAFFIC)

FILE NAME =	USER NAME = aqeelff	DESIGNED -	REVISED -
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI34816\Design\DI34816-sh-typical.dgn		REVISED -	
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/15/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

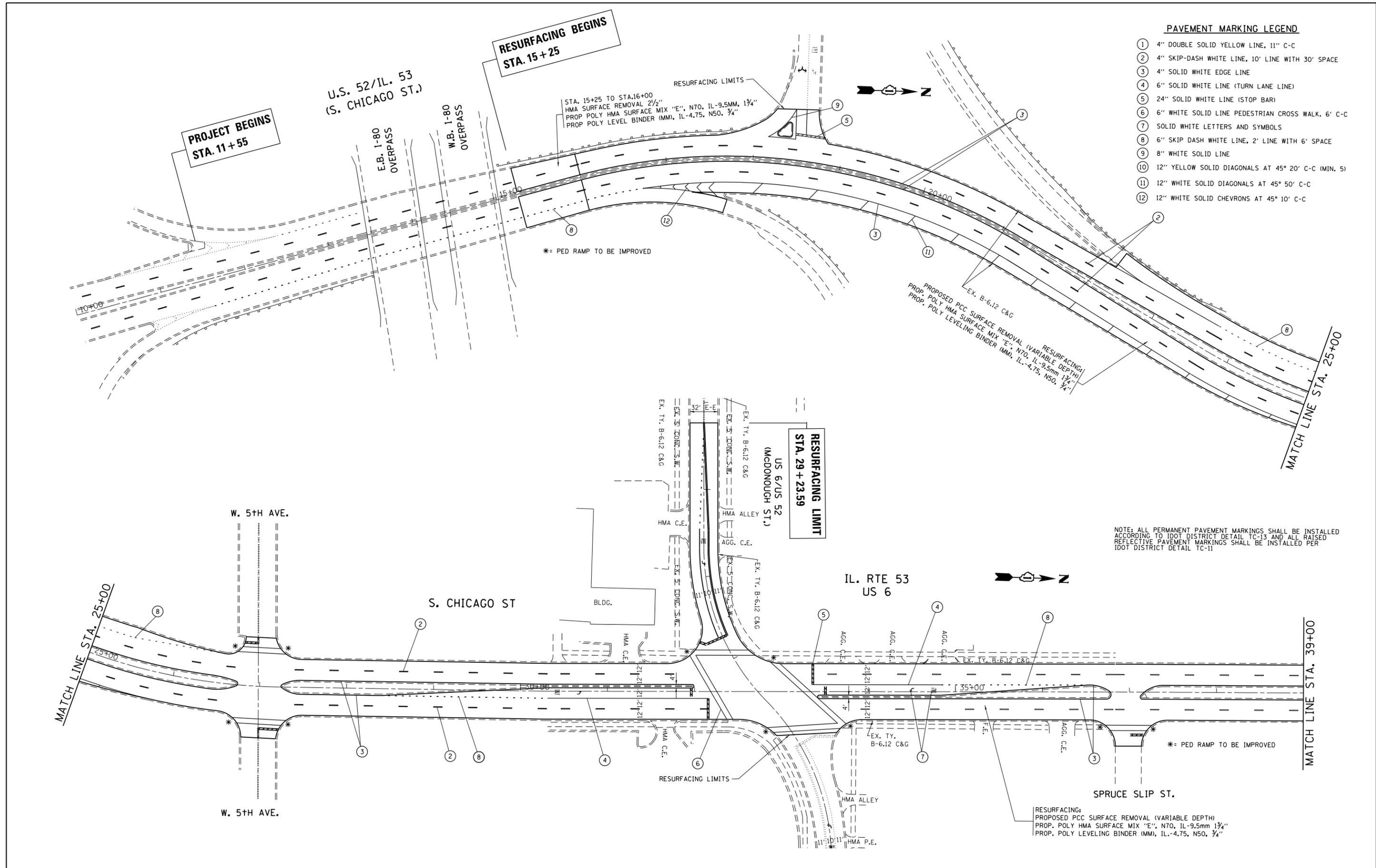
**TYPICAL CROSS SECTIONS
U.S. RTE. 6 /IL. RTE. 53 (I-80 TO WASHINGTON ST.)**

SCALE: NONE SHEET OF SHEETS STA. TO STA.

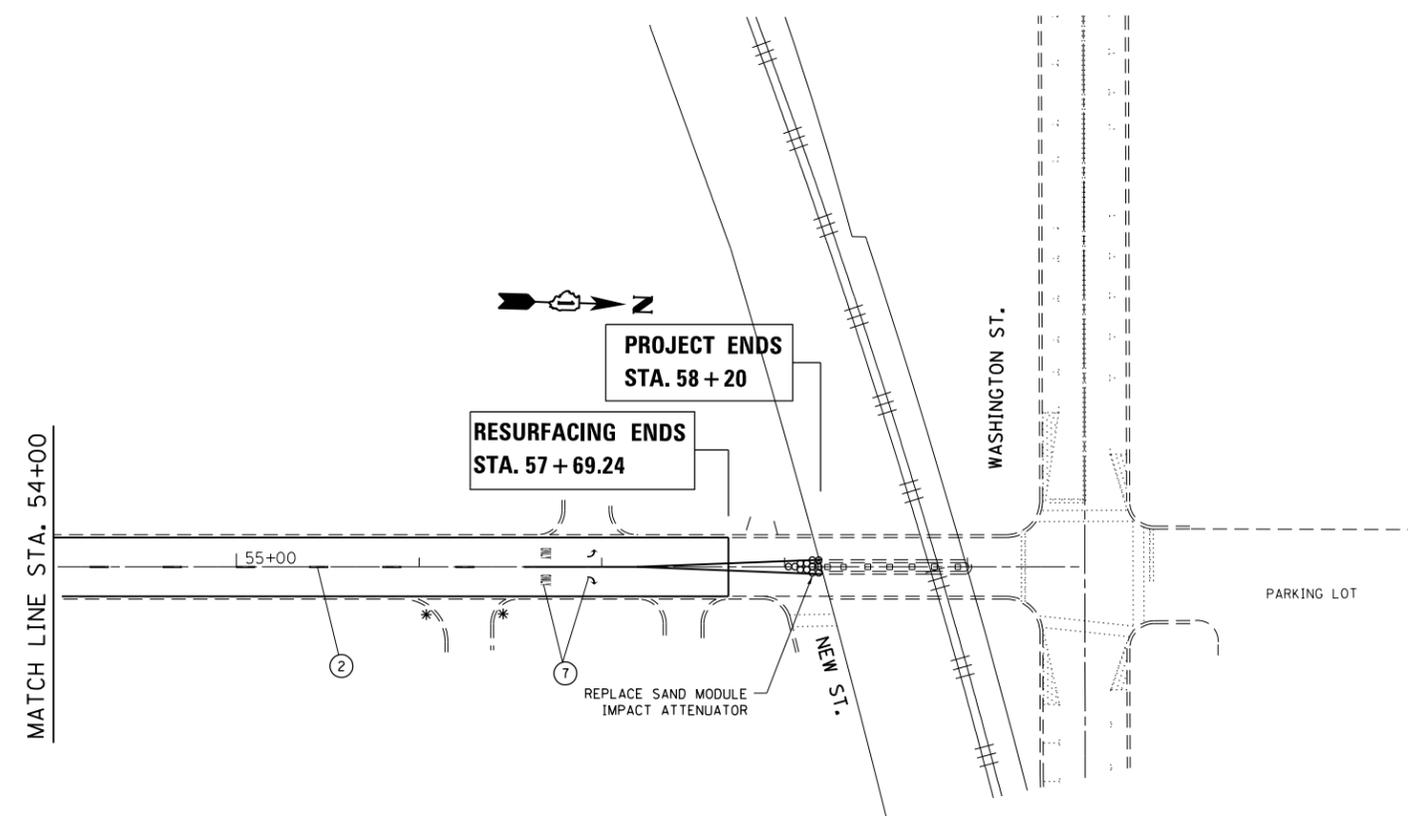
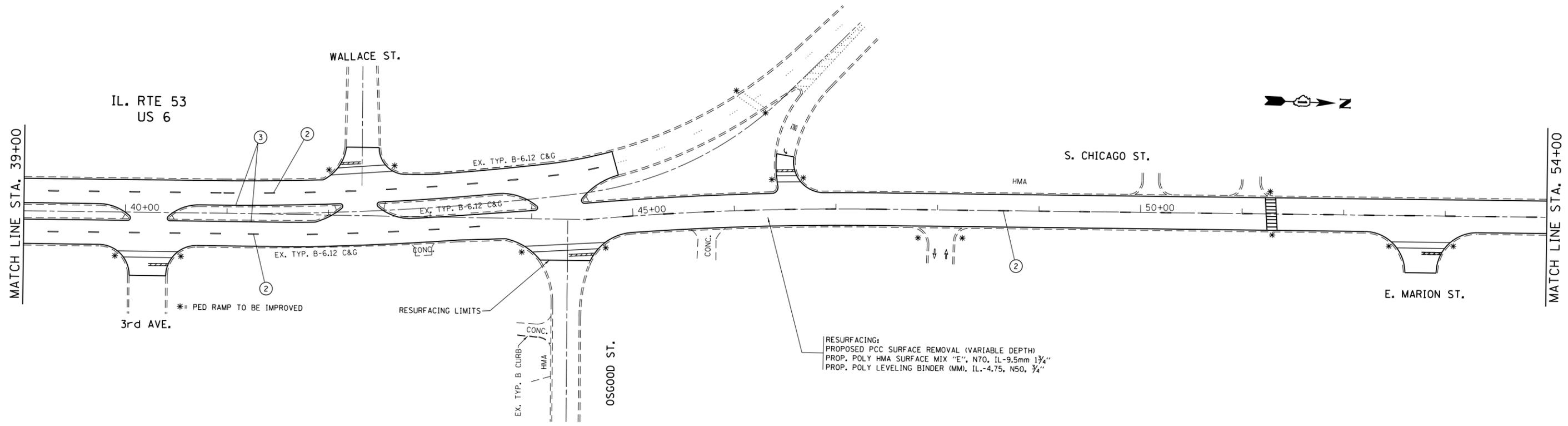
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2016-026RS	WILL	30	10
			CONTRACT NO. 62C41	
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING LEGEND

- ① 4" DOUBLE SOLID YELLOW LINE, 11" C-C
- ② 4" SKIP-DASH WHITE LINE, 10' LINE WITH 30' SPACE
- ③ 4" SOLID WHITE EDGE LINE
- ④ 6" SOLID WHITE LINE (TURN LANE LINE)
- ⑤ 24" SOLID WHITE LINE (STOP BAR)
- ⑥ 6" WHITE SOLID LINE PEDESTRIAN CROSS WALK, 6' C-C
- ⑦ SOLID WHITE LETTERS AND SYMBOLS
- ⑧ 6" SKIP DASH WHITE LINE, 2' LINE WITH 6' SPACE
- ⑨ 8" WHITE SOLID LINE
- ⑩ 12" YELLOW SOLID DIAGONALS AT 45° 20' C-C (MIN. 5)
- ⑪ 12" WHITE SOLID DIAGONALS AT 45° 50' C-C
- ⑫ 12" WHITE SOLID CHEVRONS AT 45° 10' C-C



FILE NAME =	USER NAME = aqeelff	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED ROADWAY AND PAVEMENT MARKING PLAN U.S. RTE. 6 (I-80 TO WASHINGTON ST.)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PI\DOT\Documents\IDOT Offices\District 1\Projects\DI34816\Design\DI34816-shr-pln.dgn		CHECKED -	REVISED -			112	2016-026R5	WILL	30	11
Default		DATE -	REVISED -			CONTRACT NO. 62C41			ILLINOIS FED. AID PROJECT	
	PLOT SCALE = 100.0000' / in.					SCALE: 1"=50'	SHEET	OF	SHEETS	STA.

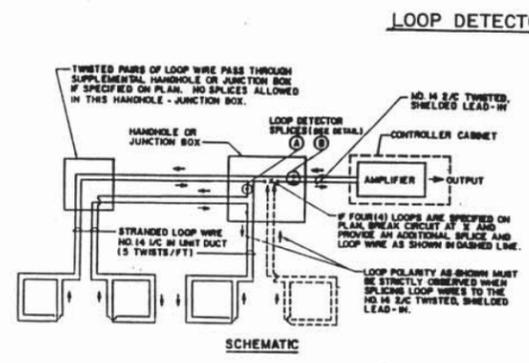
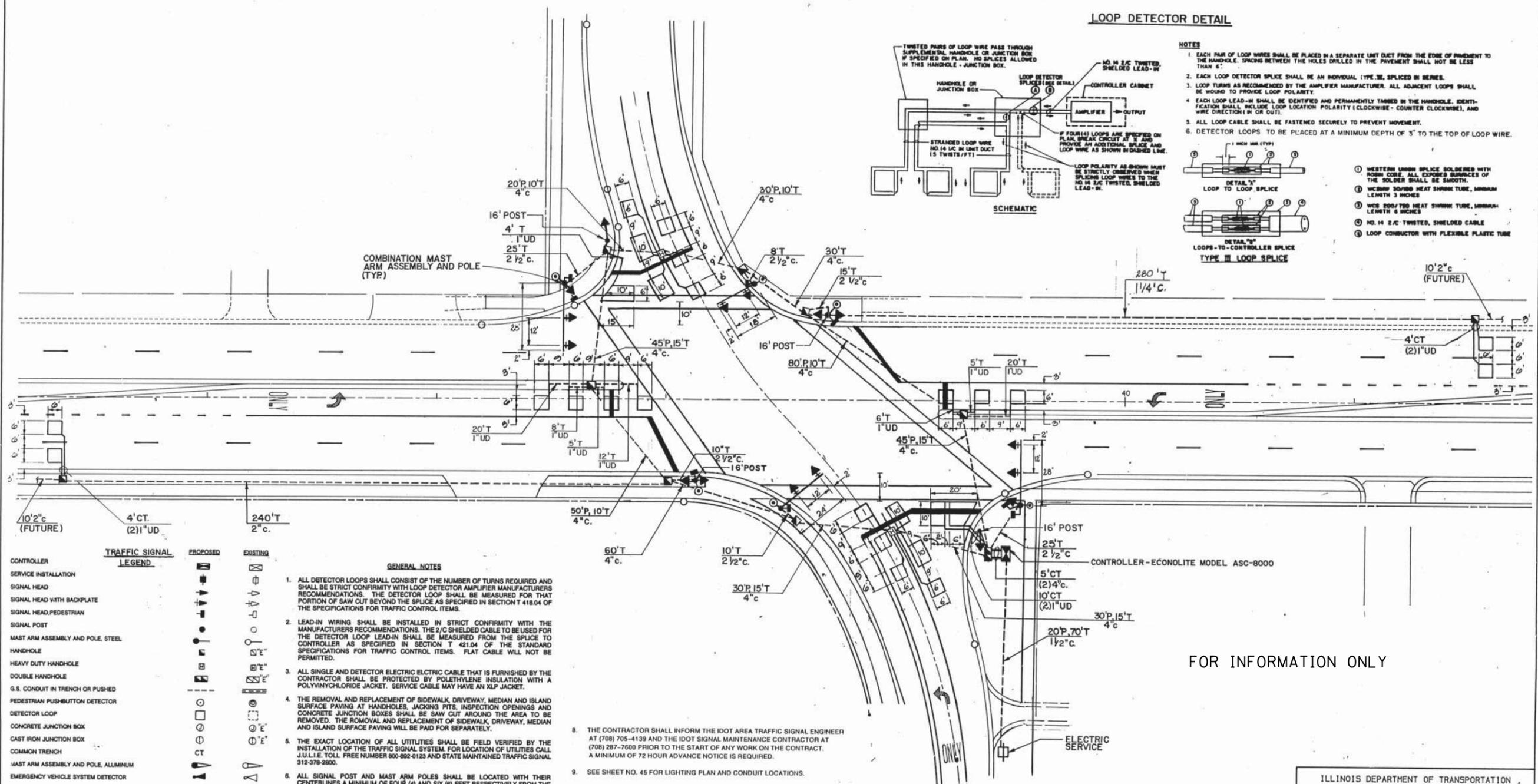


NOTE: ALL PERMANENT PAVEMENT MARKINGS SHALL BE INSTALLED ACCORDING TO IDOT DISTRICT DETAIL TC-13 AND ALL RAISED REFLECTIVE PAVEMENT MARKINGS SHALL BE INSTALLED PER IDOT DISTRICT DETAIL TC-11

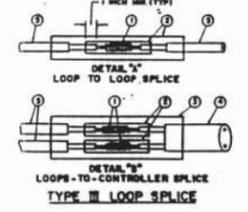
- PAVEMENT MARKING LEGEND**
- ① 4" DOUBLE SOLID YELLOW LINE, 11" C-C
 - ② 4" SKIP-DASH WHITE LINE, 10' LINE WITH 30' SPACE
 - ③ 4" SOLID WHITE EDGE LINE
 - ④ 6" SOLID WHITE LINE (TURN LANE LINE)
 - ⑤ 24" SOLID WHITE LINE (STOP BAR)
 - ⑥ 6" WHITE SOLID LINE PEDESTRIAN CROSS WALK, 6' C-C
 - ⑦ SOLID WHITE LETTERS AND SYMBOLS
 - ⑧ 6" SKIP DASH WHITE LINE, 2' LINE WITH 6' SPACE
 - ⑨ 8" WHITE SOLID LINE
 - ⑩ 12" YELLOW SOLID DIAGONALS AT 45° 20' C-C (MIN. 5)
 - ⑪ 12" WHITE SOLID DIAGONALS AT 45° 50' C-C
 - ⑫ 12" WHITE SOLID CHEVRONS AT 45° 10' C-C

FILE NAME =	USER NAME = aqeelff	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED ROADWAY AND PAVEMENT MARKING PLAN U.S. RTE. 6 (I-80 TO WASHINGTON ST.)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\IL\084EBIDINTEG\illinois.gov\PI\DOT\Documents\IDOT Offices\District 1\Projects\DI34816\Design\DI34816-shr-pln.dgn	BRWN	REVISOR -	REVISED -			112	2016-026RS	WILL	30	12
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 62C41			ILLINOIS FED. AID PROJECT	
	PLOT DATE = 2/15/2017	DATE -	REVISED -			SCALE: 1"=50'	SHEET	OF	SHEETS	STA.

FEDERAL AID ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	112	WILL	30	66
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
# 99-4MRS & 99-4B-Y (85)				



- NOTES**
- EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE UNIT DUCT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6".
 - EACH LOOP DETECTOR SPLICE SHALL BE AN INDIVIDUAL TYPE III, SPLICED IN SERIES.
 - LOOP TURNS AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT LOOPS SHALL BE WOUND TO PROVIDE LOOP POLARITY.
 - EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAPPED IN THE HANDHOLE. IDENTIFICATION SHALL INCLUDE LOOP LOCATION POLARITY (CLOCKWISE - COUNTER CLOCKWISE), AND WIRE DIRECTION IN OR OUT.
 - ALL LOOP CABLE SHALL BE FASTENED SECURELY TO PREVENT MOVEMENT.
 - DETECTOR LOOPS TO BE PLACED AT A MINIMUM DEPTH OF 5" TO THE TOP OF LOOP WIRE.



- WESTERN UNION SPLICE SOLDERED WITH ROHS SOLDER. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- WCS999 500/750 HEAT SHRINK TUBE, MINIMUM LENGTH 3 INCHES
- WCS 500/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6 INCHES
- NO. 14 2/C TWISTED, SHIELDED CABLE
- LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER SERVICE INSTALLATION	[Symbol]	[Symbol]
SIGNAL HEAD	[Symbol]	[Symbol]
SIGNAL HEAD WITH BACKPLATE	[Symbol]	[Symbol]
SIGNAL HEAD, PEDESTRIAN	[Symbol]	[Symbol]
SIGNAL POST	[Symbol]	[Symbol]
MAST ARM ASSEMBLY AND POLE, STEEL	[Symbol]	[Symbol]
HANDHOLE	[Symbol]	[Symbol]
HEAVY DUTY HANDHOLE	[Symbol]	[Symbol]
DOUBLE HANDHOLE	[Symbol]	[Symbol]
G.S. CONDUIT IN TRENCH OR PUSHED	[Symbol]	[Symbol]
PEDESTRIAN PUSH-BUTTON DETECTOR	[Symbol]	[Symbol]
DETECTOR LOOP	[Symbol]	[Symbol]
CONCRETE JUNCTION BOX	[Symbol]	[Symbol]
CAST IRON JUNCTION BOX	[Symbol]	[Symbol]
COMMON TRENCH	[Symbol]	[Symbol]
MAST ARM ASSEMBLY AND POLE, ALUMINUM	[Symbol]	[Symbol]
EMERGENCY VEHICLE SYSTEM DETECTOR	[Symbol]	[Symbol]
SIGNAL HEAD OPTICALLY PROGRAMMED	[Symbol]	[Symbol]
CONDUIT SPLICE	[Symbol]	[Symbol]
WOOD POLE	[Symbol]	[Symbol]
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	[Symbol]	[Symbol]
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	[Symbol]	[Symbol]
RAILROAD CONTROL CABINET	[Symbol]	[Symbol]

- GENERAL NOTES**
- ALL DETECTOR LOOPS SHALL CONSIST OF THE NUMBER OF TURNS REQUIRED AND SHALL BE STRICT CONFORMITY WITH LOOP DETECTOR AMPLIFIER MANUFACTURERS RECOMMENDATIONS. THE DETECTOR LOOP SHALL BE MEASURED FOR THAT PORTION OF SAW CUT BEYOND THE SPLICE AS SPECIFIED IN SECTION T 418.04 OF THE SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
 - LEAD-IN WIRING SHALL BE INSTALLED IN STRICT CONFORMITY WITH THE MANUFACTURERS RECOMMENDATIONS. THE 2/C SHIELDED CABLE TO BE USED FOR THE DETECTOR LOOP LEAD-IN SHALL BE MEASURED FROM THE SPLICE TO CONTROLLER AS SPECIFIED IN SECTION T 421.04 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS. FLAT CABLE WILL NOT BE PERMITTED.
 - ALL SINGLE AND DETECTOR ELECTRIC CABLE THAT IS FURNISHED BY THE CONTRACTOR SHALL BE PROTECTED BY POLETHYLENE INSULATION WITH A POLYVINYLCHLORIDE JACKET. SERVICE CABLE MAY HAVE AN XLP JACKET.
 - THE REMOVAL AND REPLACEMENT OF SIDEWALK, DRIVEWAY, MEDIAN AND ISLAND SURFACE PAVING AT HANDHOLES, JACKING FITS, INSPECTION OPENINGS AND CONCRETE JUNCTION BOXES SHALL BE SAW CUT AROUND THE AREA TO BE REMOVED. THE REMOVAL AND REPLACEMENT OF SIDEWALK, DRIVEWAY, MEDIAN AND ISLAND SURFACE PAVING WILL BE PAID FOR SEPARATELY.
 - THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE INSTALLATION OF THE TRAFFIC SIGNAL SYSTEM. FOR LOCATION OF UTILITIES CALL J.U.L.E. TOLL FREE NUMBER 800-892-0123 AND STATE MAINTAINED TRAFFIC SIGNAL 312-378-2800.
 - ALL SIGNAL POST AND MAST ARM POLES SHALL BE LOCATED WITH THEIR CENTERLINES A MINIMUM OF FOUR (4) AND SIX (6) FEET RESPECTIVELY FROM THE BACK OF CURB UNLESS NOTED OR DIMENSIONED TO THE CONTRARY ON THE DRAWINGS. IN NON-CURBED AREAS THE MAST ARM POLE SHALL BE LOCATED A MINIMUM OF TEN (10) FEET BEHIND THE EDGE OF PAVEMENT OR TWO (2) FEET BEHIND THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. SIGNAL POSTS SHOULD BE PLACED AT A MINIMUM OF TWO (2) FEET BEHIND THE EDGE OF THE SHOULDER.
 - THE RESIDENT ENGINEER SHALL MARK LOCATIONS OF ALL DETECTOR LOOPS AND CONTACT THE I.D.O.T. AREA TRAFFIC SIGNAL ENGINEER AT 894-4139 FOR LOCATION APPROVAL PRIOR TO THE CUTTING OF THE LOOPS.

- THE CONTRACTOR SHALL INFORM THE IDOT AREA TRAFFIC SIGNAL ENGINEER AT (708) 705-4139 AND THE IDOT SIGNAL MAINTENANCE CONTRACTOR AT (708) 287-7600 PRIOR TO THE START OF ANY WORK ON THE CONTRACT. A MINIMUM OF 72 HOUR ADVANCE NOTICE IS REQUIRED.
- SEE SHEET NO. 45 FOR LIGHTING PLAN AND CONDUIT LOCATIONS.
- EQUIPMENT INSTALLED AT THIS INTERSECTION INCLUDING MAST ARM POLES, COMBINATION POLES, AND CONTROLLER TO BE MANUFACTURED BY ECONOLITE.

FOR INFORMATION ONLY

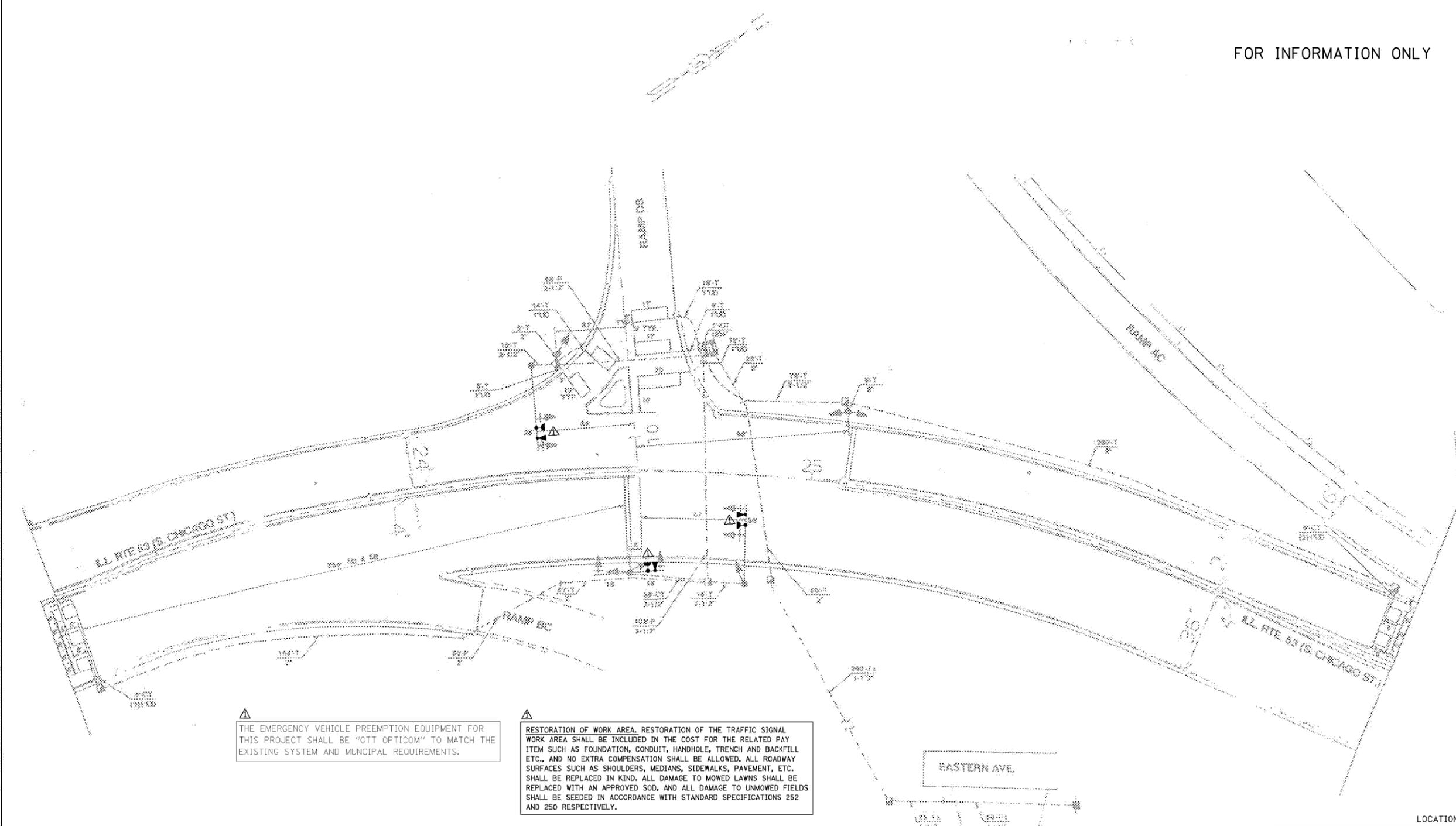
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.P. ROUTE 846
 S. CHICAGO ST. AND McDONOUGH ST.
 TRAFFIC SIGNAL INSTALLATION

SCALE 1"=20'
 DATE: 2-05-91

DRAWN BY: K.L.S.
 CHECKED BY: C.T.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		WILL.	13	36
STA.		TO STA.		
FED. ROAD DISTRICT	ILLINOIS	FED. AID PROJECT		

FOR INFORMATION ONLY



△ THE EMERGENCY VEHICLE PREEMPTION EQUIPMENT FOR THIS PROJECT SHALL BE "GTT OPTICOM" TO MATCH THE EXISTING SYSTEM AND MUNICIPAL REQUIREMENTS.

△ RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE COST FOR THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

△ INSTALLATION OF EMERGENCY VEHICLE PREEMPTION

CHRISTOPHER B. BURKE ENGINEERING LTD.
 3575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

REVISIONS	
NAME	DATE
CBBEL	2/16/2012

LOCATION NO. 17

CITY OF JOLIET

TRAFFIC SIGNAL MODIFICATION PLAN

IL ROUTE 53 (CHICAGO ST.) AND I-80 WEST RAMP

SCALE: 1" = 20'

DATE: 2/16/2012

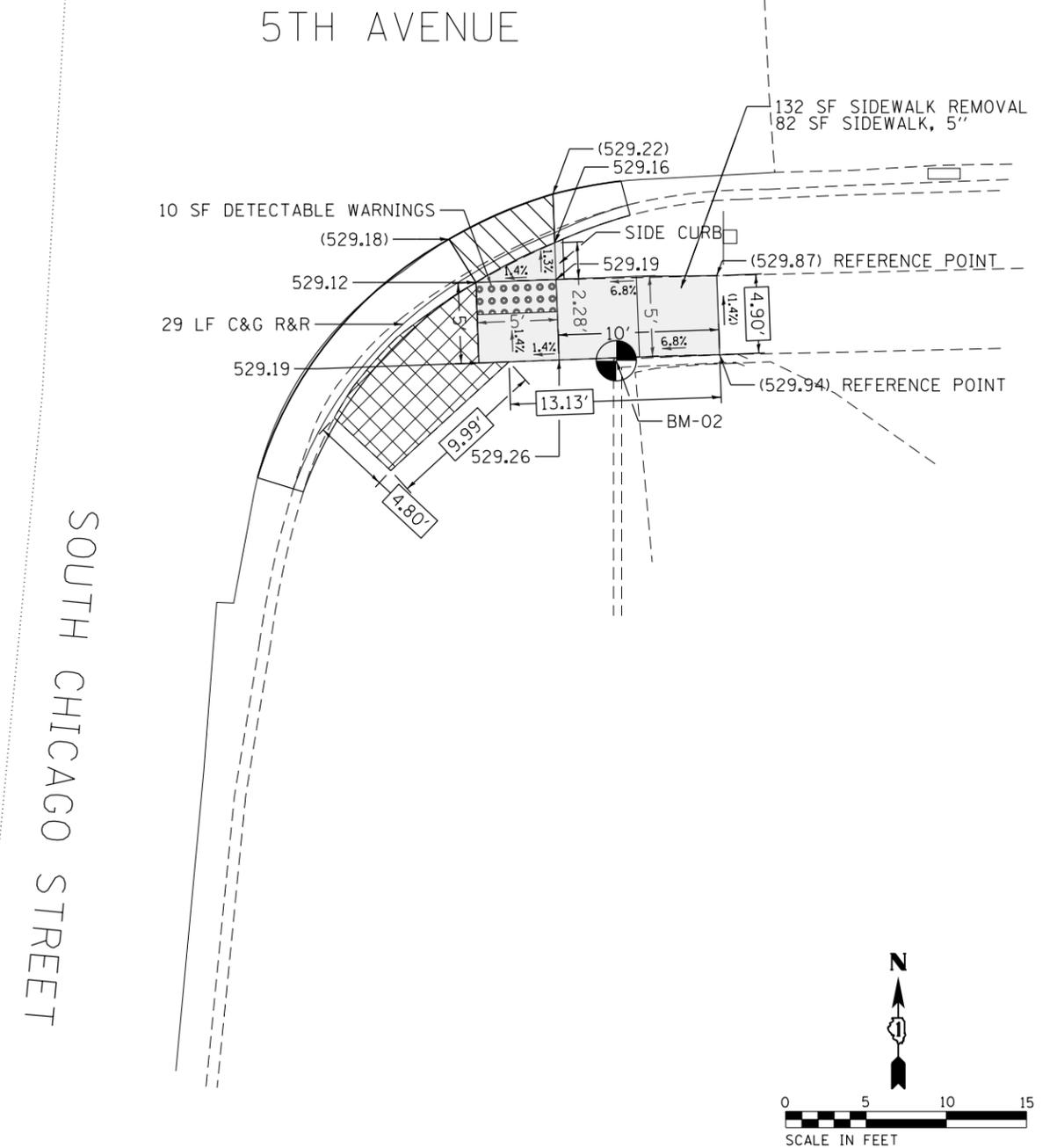
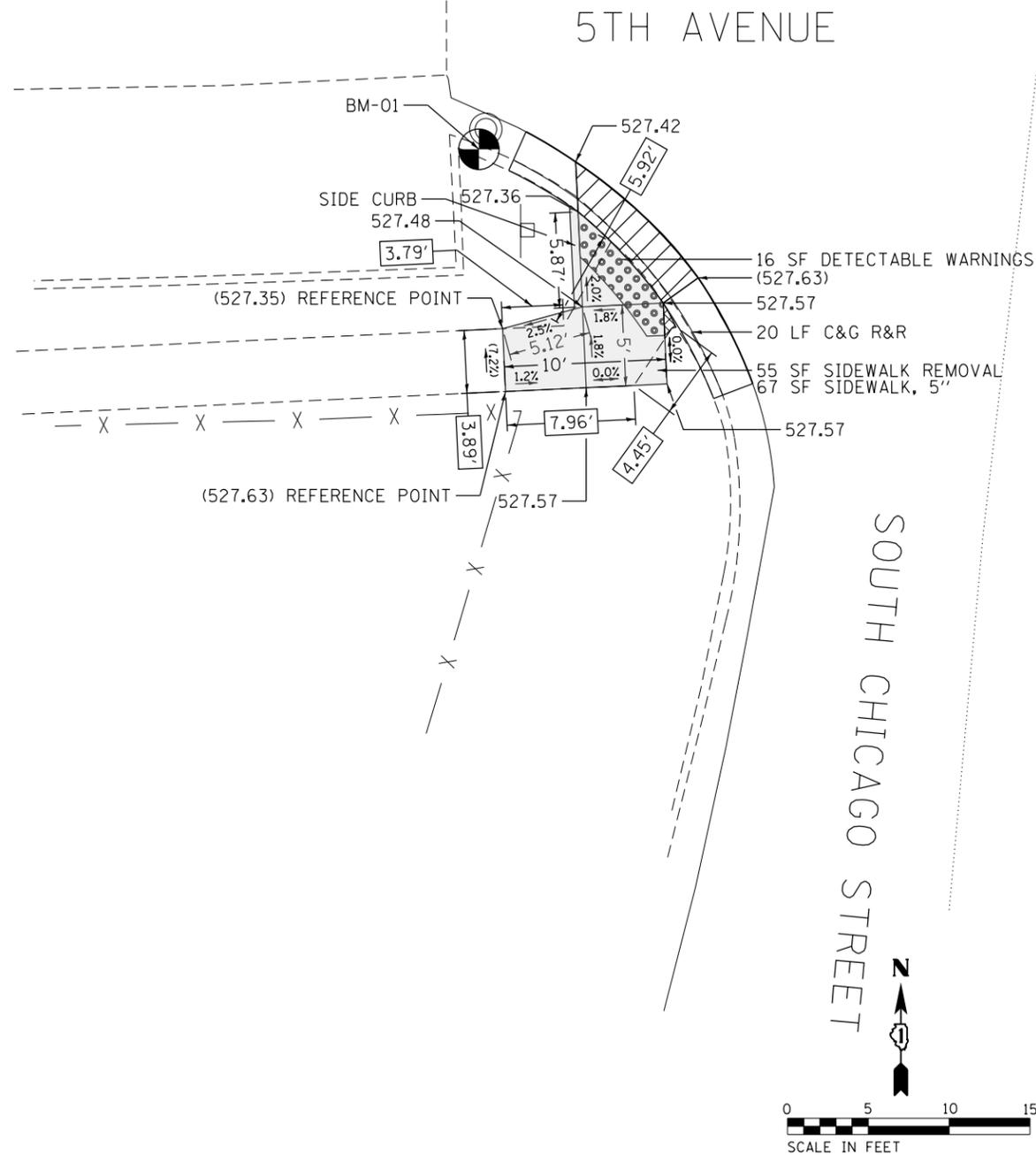
DRAWN BY: FCP
CHECK BY: WCE

FILE NAME =	USER NAME = equeiff	DESIGNED -	REVISED -
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI34816\Design\DI34816-sh1-ts.dgn		DESIGNED -	REVISED -
Default	PLOT DATE = 2/15/2017	CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETECTOR LOOP PLANS			
U.S. RTE. 6 (I-80 TO WASHINGTON ST.)			
SCALE: NONE	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2016-02GR5	WILL.	30	14
CONTRACT NO. 62C41				
ILLINOIS FED. AID PROJECT				



NOTE:
REFER TO ROADWAY AND PAVEMENT MARKING
PLANS FOR PROPOSED PAVEMENT MARKINGS.

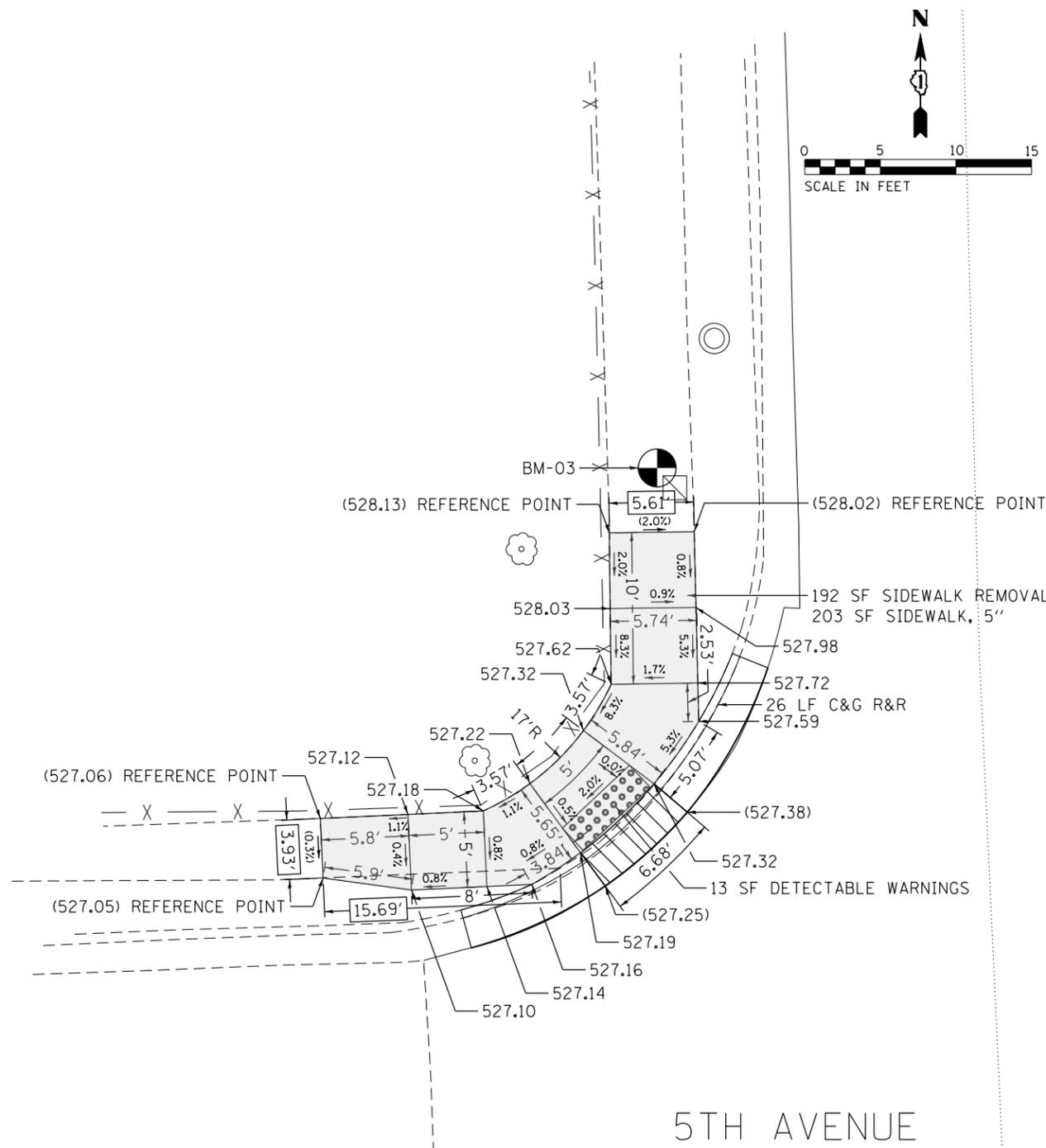
REFERENCE BENCHMARK 01 ELEV 527.311
BENCHMARK: CUT SQUARE ON TOP OF CURB
LOCATION: SOUTHWEST CORNER OF 5TH AVENUE AND CHICAGO STREET

LEGEND

- XX.XX EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- ===== PROPOSED SIDE CURB
- PROPOSED SIDEWALK
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK 02 ELEV 530.284
BENCHMARK: CUT SQUARE ON TOP OF CURB
LOCATION: SOUTHEAST CORNER OF 5TH AVENUE AND CHICAGO STREET

FILE NAME =	USER NAME = mslick	DESIGNED - AN / MS / KW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP DETAILS S CHICAGO ST AT 5TH AVE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Z:\17002.02 100T D1 W02 ADA Ramps US 6...	S 52, IL 53\Design\PreIm\Plotsheets\062...	DRAWN - AN / MS / KW	REVISED -			112	2016-026R5	WILL	30	15
Default	PLOT SCALE = 10.0000' / in.	CHECKED - JH	REVISED -			CONTRACT NO. 62C41				
	PLOT DATE = 3/14/2017	DATE - 03/17/2017	REVISED -			ILLINOIS FED. AID PROJECT				



NOTE:
REFER TO ROADWAY AND PAVEMENT MARKING
PLANS FOR PROPOSED PAVEMENT MARKINGS.

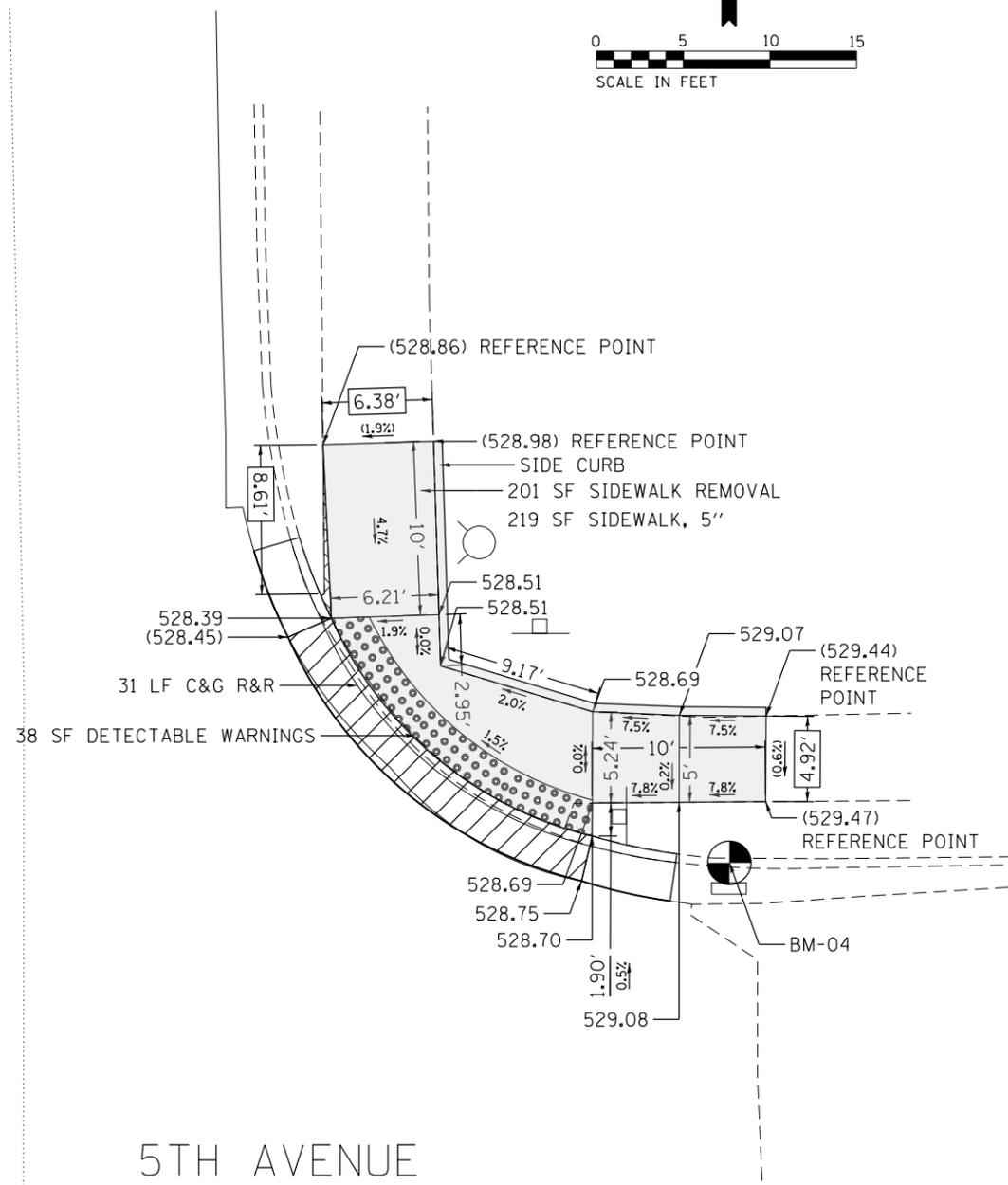
REFERENCE BENCHMARK 03 ELEV 528.078
BENCHMARK: CUT SQUARE ON NORTHWEST CORNER OF CONCRETE RIM TRAFFIC SIGNAL HANDHOLE
LOCATION: NORTHWEST CORNER OF 5TH AVENUE AND CHICAGO STREET

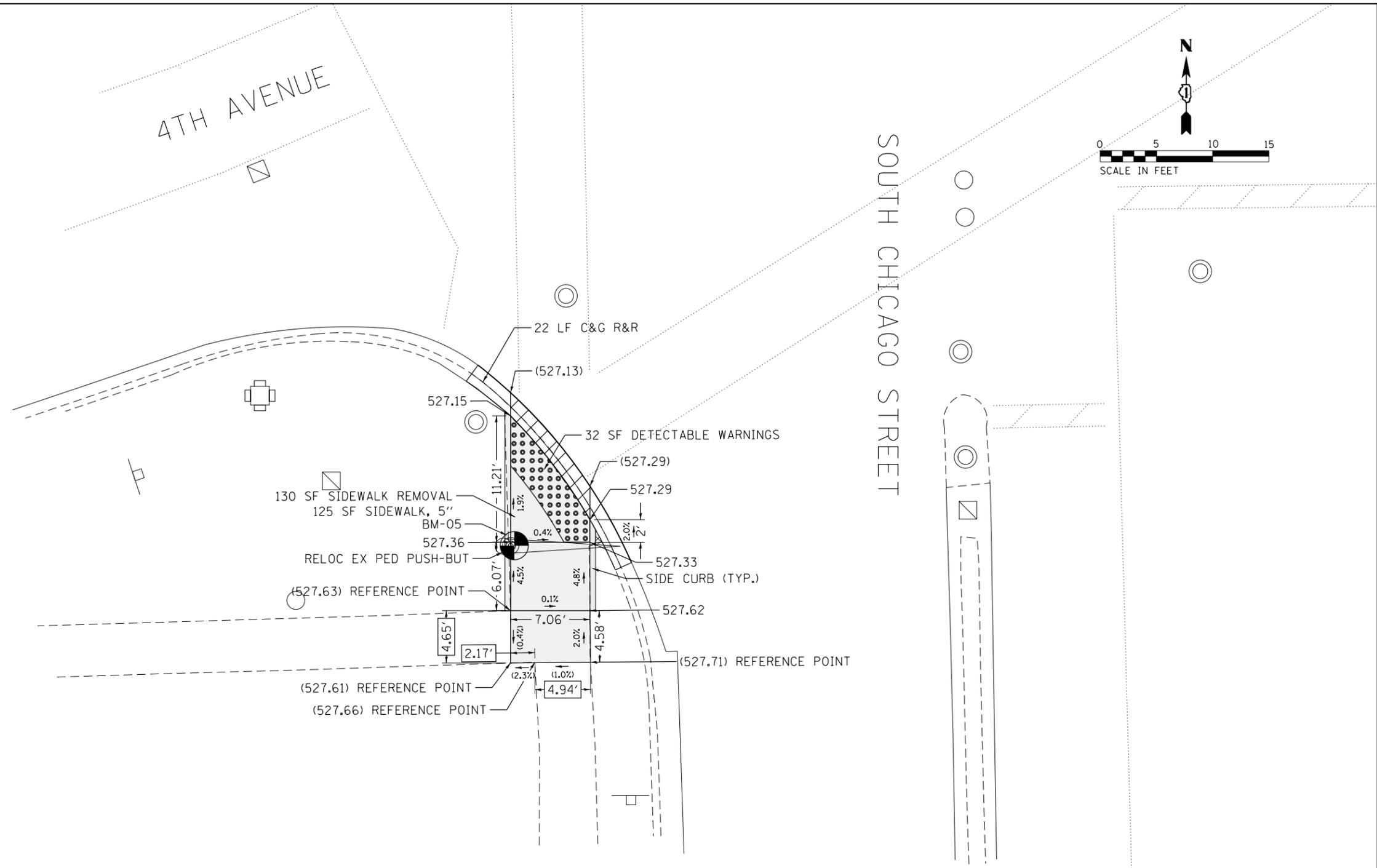
LEGEND

- XX.XX EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- ===== PROPOSED SIDE CURB
- PROPOSED SIDEWALK
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

NOTE:
REFER TO ROADWAY AND PAVEMENT MARKING
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK 04 ELEV 529.137
BENCHMARK: CUT SQUARE ON TOP OF CURB BY NORTHWEST CORNER OF THE INLET
LOCATION: NORTHEAST CORNER OF 5TH AVENUE AND CHICAGO STREET





NOTE:
REFER TO ROADWAY AND PAVEMENT MARKING
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK 05 ELEV 528.232
BENCHMARK: CUT CROSS ON EAST SIDE OF CONCRETE TRAFFIC SIGNAL BASE
LOCATION: SOUTHWEST CORNER OF 4TH AVENUE AND CHICAGO STREET

LEGEND

XX.XX EXISTING LENGTH	PROPOSED SIDEWALK	DEPRESSED CURB & GUTTER
() EXISTING ELEVATION/SLOPE	DETECTABLE WARNINGS	
PROPOSED SIDE CURB	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD	

FILE NAME =	USER NAME = msick	DESIGNED - AN / MS / KW	REVISED -
Z:\17002.02 100T D1 W02 ADA Ramps US 6	S 52. IL 53\Design\PreIm\Plotsheets\062	DRAWN - AN / MS / KW	REVISED -
Default	PLOT SCALE = 10.0000' / in.	CHECKED - JH	REVISED -
	PLOT DATE = 3/14/2017	DATE - 03/17/2017	REVISED -

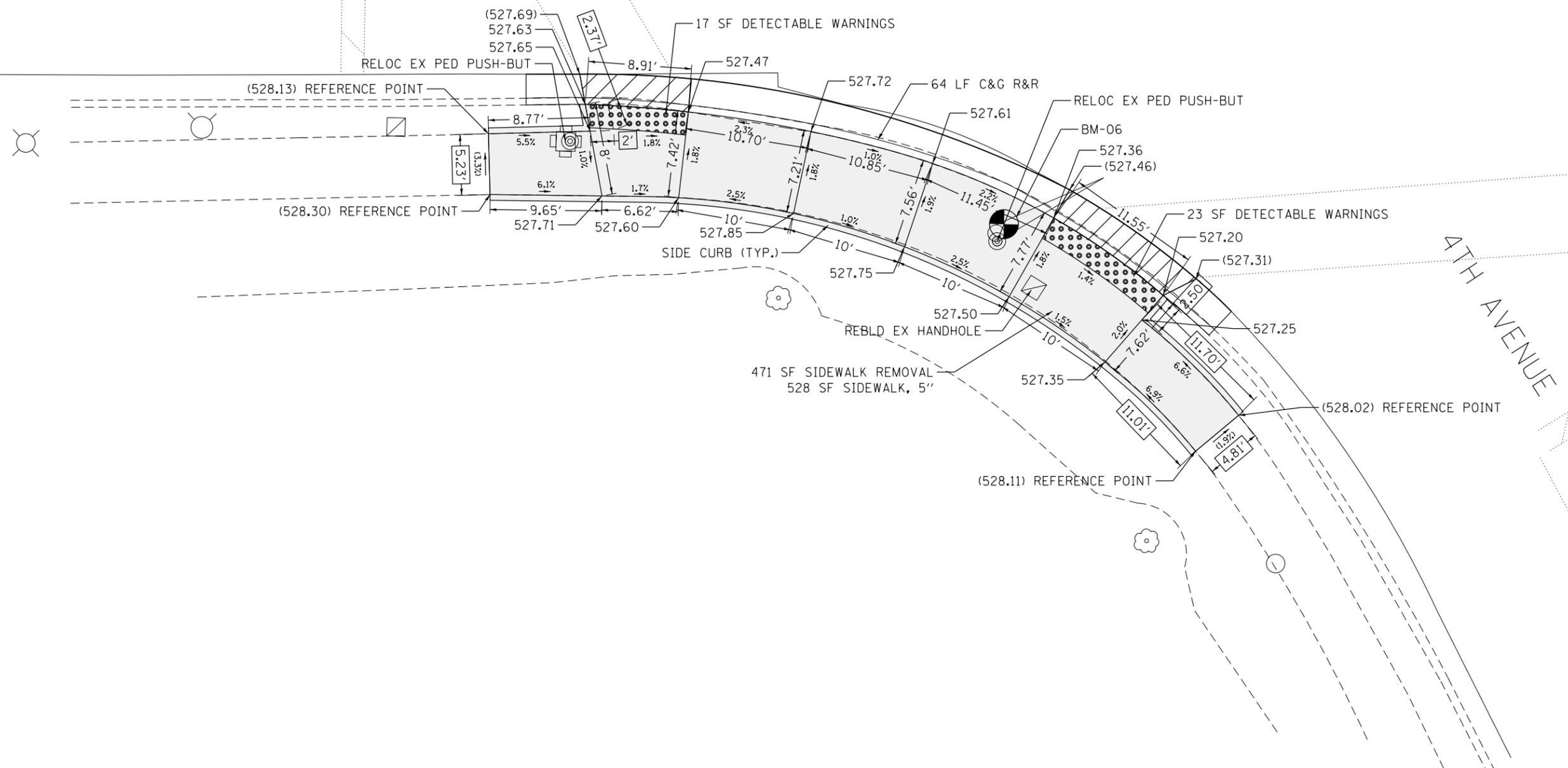
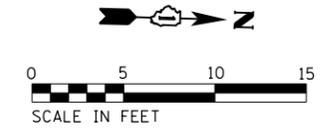
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS
S CHICAGO ST AT 4TH AVE**

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2016-026R5	WILL	30	15B
CONTRACT NO. 62C41				
ILLINOIS FED. AID PROJECT				

SOUTH CHICAGO STREET



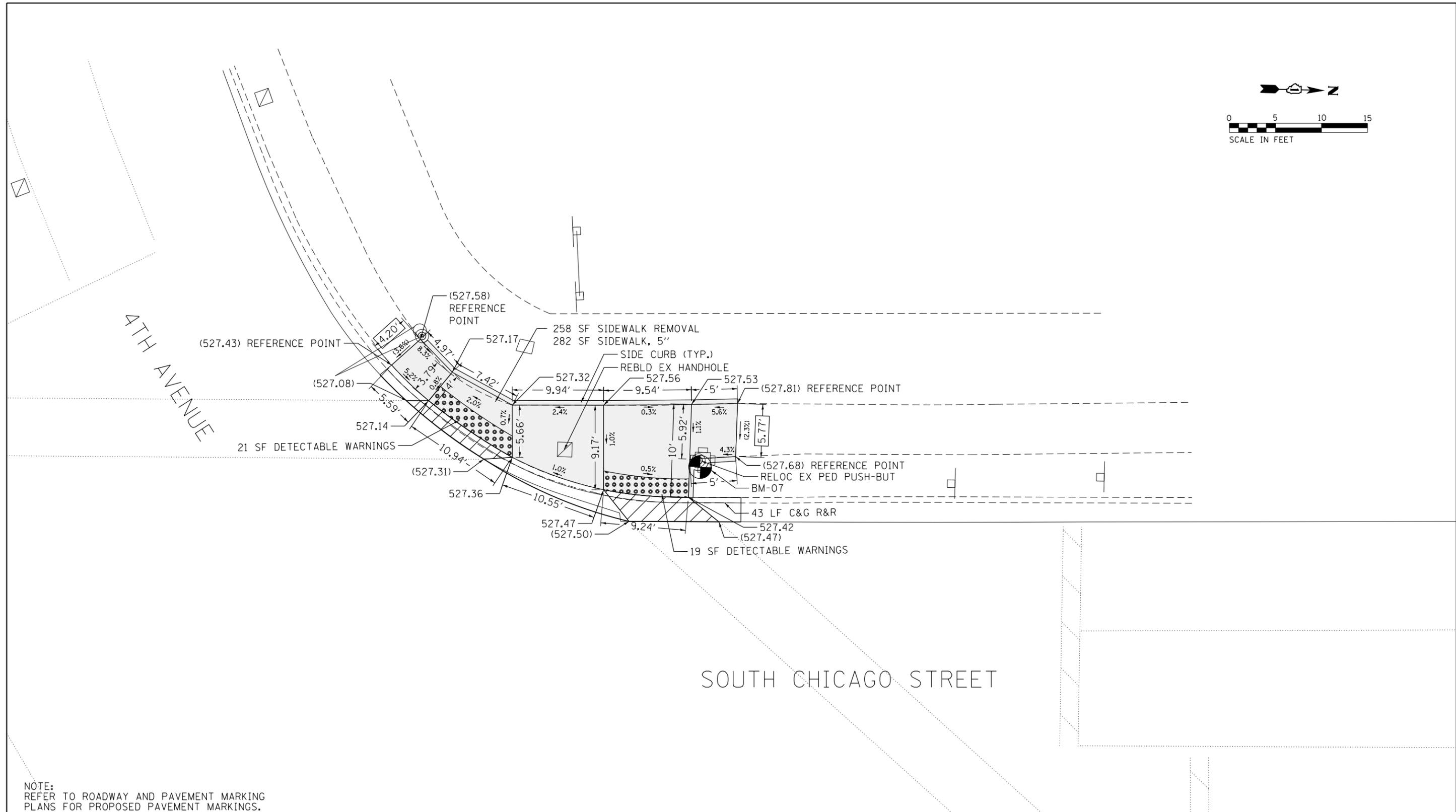
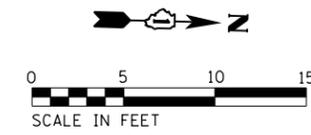
NOTE:
REFER TO ROADWAY AND PAVEMENT MARKING
PLANS FOR PROPOSED PAVEMENT MARKINGS.

LEGEND

- XX.XX EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- ===== PROPOSED SIDE CURB
- PROPOSED SIDEWALK
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK 06 ELEV 528.196
BENCHMARK: CUT SQUARE ON NORTHWEST SIDE OF CONCRETE TRAFFIC SIGNAL BASE
LOCATION: SOUTHEAST CORNER OF 4TH AVENUE AND CHICAGO STREET

FILE NAME =	USER NAME = mslick	DESIGNED - AN / MS / KW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP DETAILS S CHICAGO ST AT 4TH AVE	F.A.P. RTE. 112	SECTION 2016-026R5	COUNTY WILL	TOTAL SHEETS 30	SHEET NO. 15C		
Default	Z:\17002.02 100T D1 W02 ADA Ramps US 6...	S 52, IL 53\Design\PreIm\Plotsheets\062...	DRAWN DetailsRamp AN.dgn MS / KW			SCALE: 1" = 5'	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 62C41			
	PLOT SCALE = 10.0000' / in.	CHECKED - JH	REVISIED -			ILLINOIS FED. AID PROJECT						



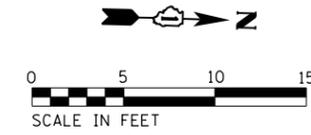
NOTE:
REFER TO ROADWAY AND PAVEMENT MARKING
PLANS FOR PROPOSED PAVEMENT MARKINGS.

LEGEND

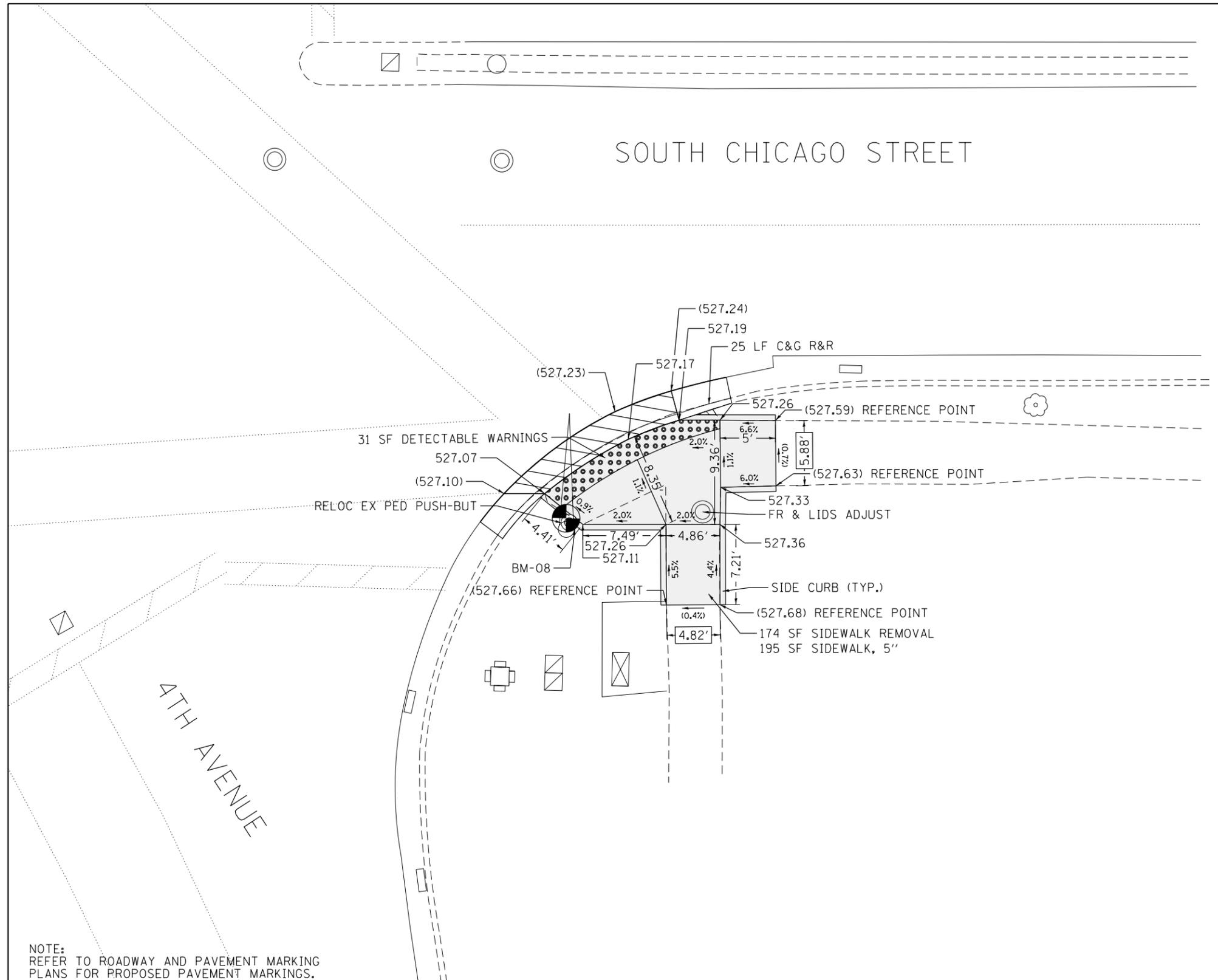
- XX.XX EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- ══ PROPOSED SIDE CURB
- PROPOSED SIDEWALK
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK 07 ELEV 528.031
BENCHMARK: FOUND CROSS ON SOUTHEAST SIDE OF CONCRETE TRAFFIC SIGNAL BASE
LOCATION: NORTHWEST CORNER OF 4TH AVENUE AND CHICAGO STREET

FILE NAME =	USER NAME = msick	DESIGNED - AN / MS / KW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP DETAILS S CHICAGO ST AT 4TH AVE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Z:\17002.02 100T D1 W02 ADA Ramps US 6...	S 52. IL 53\Design\PreIm\Plotsheets\062...	DRAWN - AN / MS / KW	REVISED -			112	2016-026RS	WILL	30	15D
Default	PLOT SCALE = 10.0000' / in.	CHECKED - JH	REVISED -			CONTRACT NO. 62C41			ILLINOIS FED. AID PROJECT	
	PLOT DATE = 3/14/2017	DATE - 03/17/2017	REVISED -	SCALE: 1" = 5'		SHEET OF SHEETS STA. TO STA.				



SOUTH CHICAGO STREET



NOTE:
REFER TO ROADWAY AND PAVEMENT MARKING
PLANS FOR PROPOSED PAVEMENT MARKINGS.

LEGEND

- XX.XX EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- ===== PROPOSED SIDE CURB
- PROPOSED SIDEWALK
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK 08 ELEV 527.750
BENCHMARK: FOUND CROSS ON WEST SIDE OF CONCRETE TRAFFIC SIGNAL BASE
LOCATION: NORTHEAST CORNER OF 4TH AVENUE AND CHICAGO STREET

FILE NAME =	Z:\17002.02 100T D1 W02 ADA Ramps US 6...	USER NAME = mslick	DESIGNED - AN / MS / KW	REVISED -
			DRAWN - AN / MS / KW	REVISED -
			CHECKED - JH	REVISED -
			DATE - 03/17/2017	REVISED -

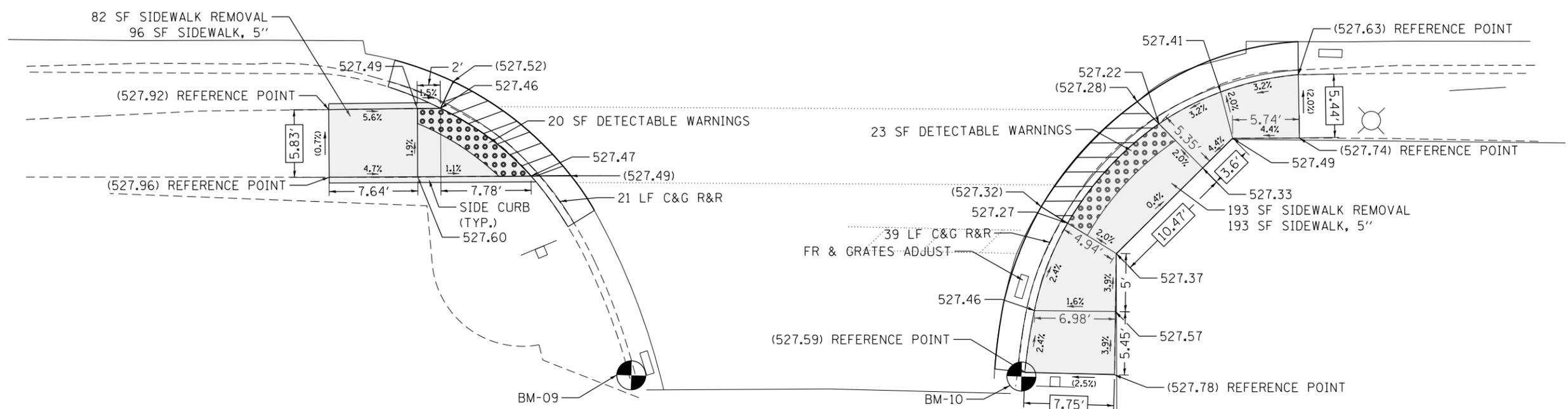
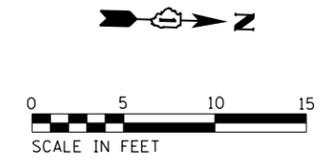
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
S CHICAGO ST AT 4TH AVE

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2016-026R5	WILL	30	15E
CONTRACT NO. 62C41				
ILLINOIS FED. AID PROJECT				

SOUTH CHICAGO STREET



SPRUCE SLIP STREET

NOTE:
REFER TO ROADWAY AND PAVEMENT MARKING
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK 09 ELEV 527.601
BENCHMARK: CUT SQUARE IN TOP OF CURB AT END OF CURB
LOCATION: SOUTHEAST CORNER OF SPRUCE SLIP STREET AND CHICAGO STREET

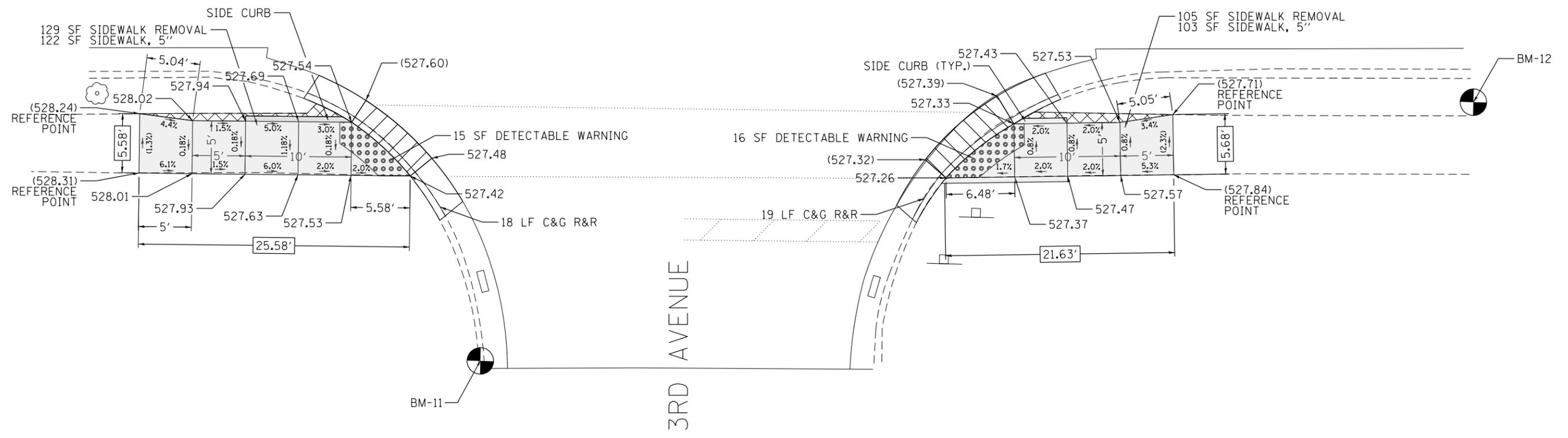
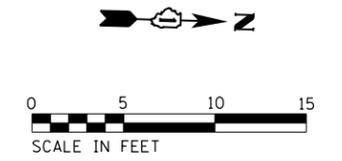
LEGEND

- XX.XX EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDE CURB
- PROPOSED SIDEWALK
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK 10 ELEV 527.603
BENCHMARK: CUT SQUARE IN TOP OF CURB AT END OF CURB
LOCATION: NORTHEAST CORNER OF SPRUCE SLIP STREET AND CHICAGO STREET

FILE NAME =	USER NAME = mslick	DESIGNED - AN / MS / KW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP DETAILS S CHICAGO ST AT SPRUCE SLIP ST	F.A.P. RTE. = 112	SECTION = 2016-026R5	COUNTY = WILL	TOTAL SHEETS = 30	SHEET NO. = 15F		
Default	Z:\17002.02 100T D1 W02 ADA Ramps US 6...	52, IL 53\DN\Design\Prelim\Plotsheets\062...	DRAWN Details Ramp AN.dgn MS / KW			SCALE: 1" = 5'	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 62C41			
	PLOT SCALE = 10.0000' / in.	CHECKED - JH	REVISED -			ILLINOIS FED. AID PROJECT						

SOUTH CHICAGO STREET



NOTE:
REFER TO ROADWAY AND PAVEMENT MARKING
PLANS FOR PROPOSED PAVEMENT MARKINGS.

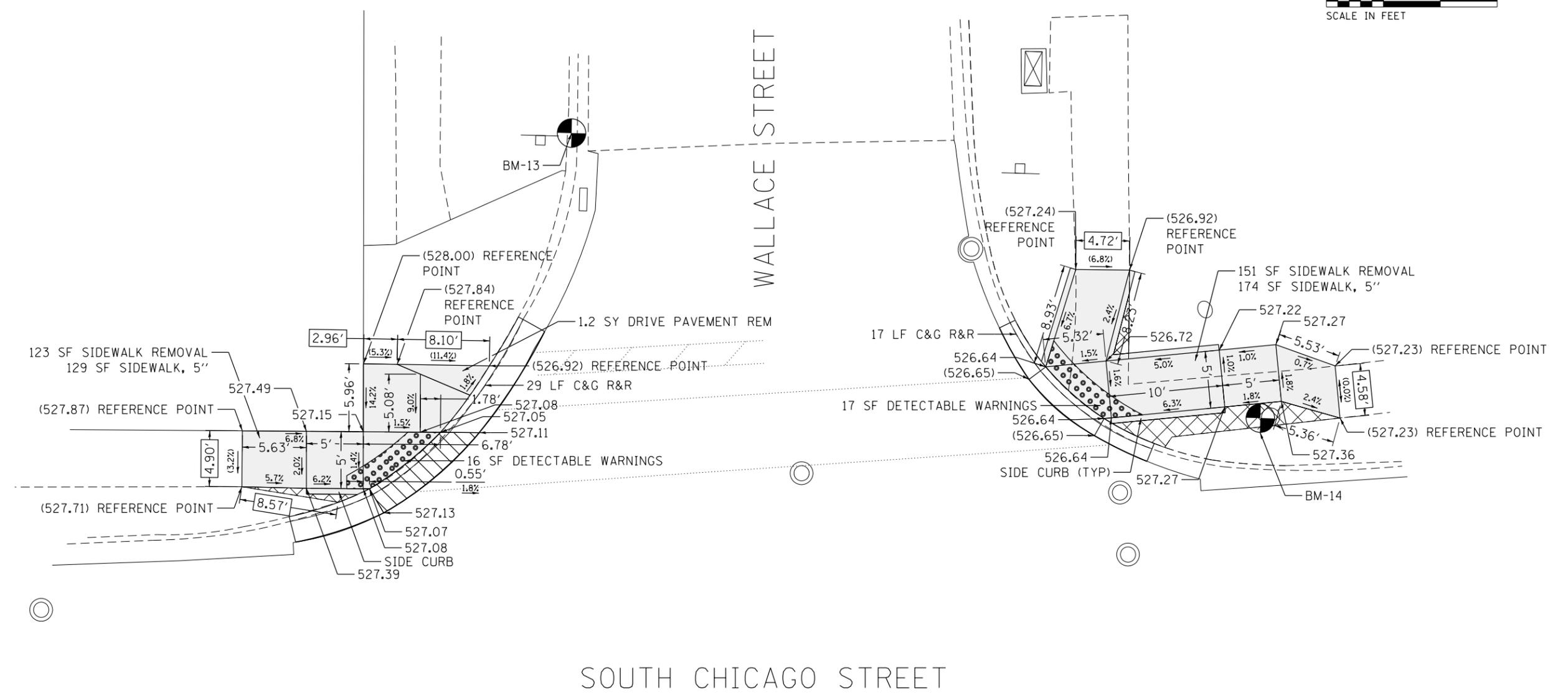
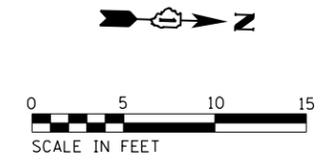
REFERENCE BENCHMARK 11 ELEV 527.005
BENCHMARK: CUT SQUARE IN TOP OF CURB AT THE END OF CURB
LOCATION: SOUTHEAST CORNER OF 3RD AVENUE AND CHICAGO STREET

LEGEND

- PROPOSED SIDEWALK
- DEPRESSED CURB & GUTTER
- EXISTING LENGTH
- DETECTABLE WARNINGS
- EXISTING ELEVATION/SLOPE
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- PROPOSED SIDE CURB

REFERENCE BENCHMARK 12 ELEV 528.011
BENCHMARK: CUT SQUARE IN CONCRETE LIGHT POLE BASE ON WEST SIDE
LOCATION: NORTHEAST CORNER OF 3RD AVENUE AND CHICAGO STREET

FILE NAME =	USER NAME = mslick	DESIGNED - AN / MS / KW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP DETAILS S CHICAGO ST AT 3RD AVE	F.A.P. RTE. = 112	SECTION = 2016-026R5	COUNTY = WILL	TOTAL SHEETS = 30	SHEET NO. = 15G		
Default	PLOT SCALE = 10.0000' / in.	CHECKED - JH	REVISED -			SCALE: 1" = 5'	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 62C41			
	PLOT DATE = 3/14/2017	DATE = 03/17/2017	REVISED -			ILLINOIS FED. AID PROJECT						



NOTE:
REFER TO ROADWAY AND PAVEMENT MARKING
PLANS FOR PROPOSED PAVEMENT MARKINGS.

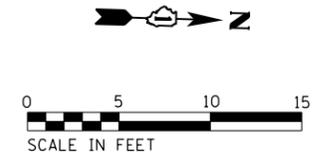
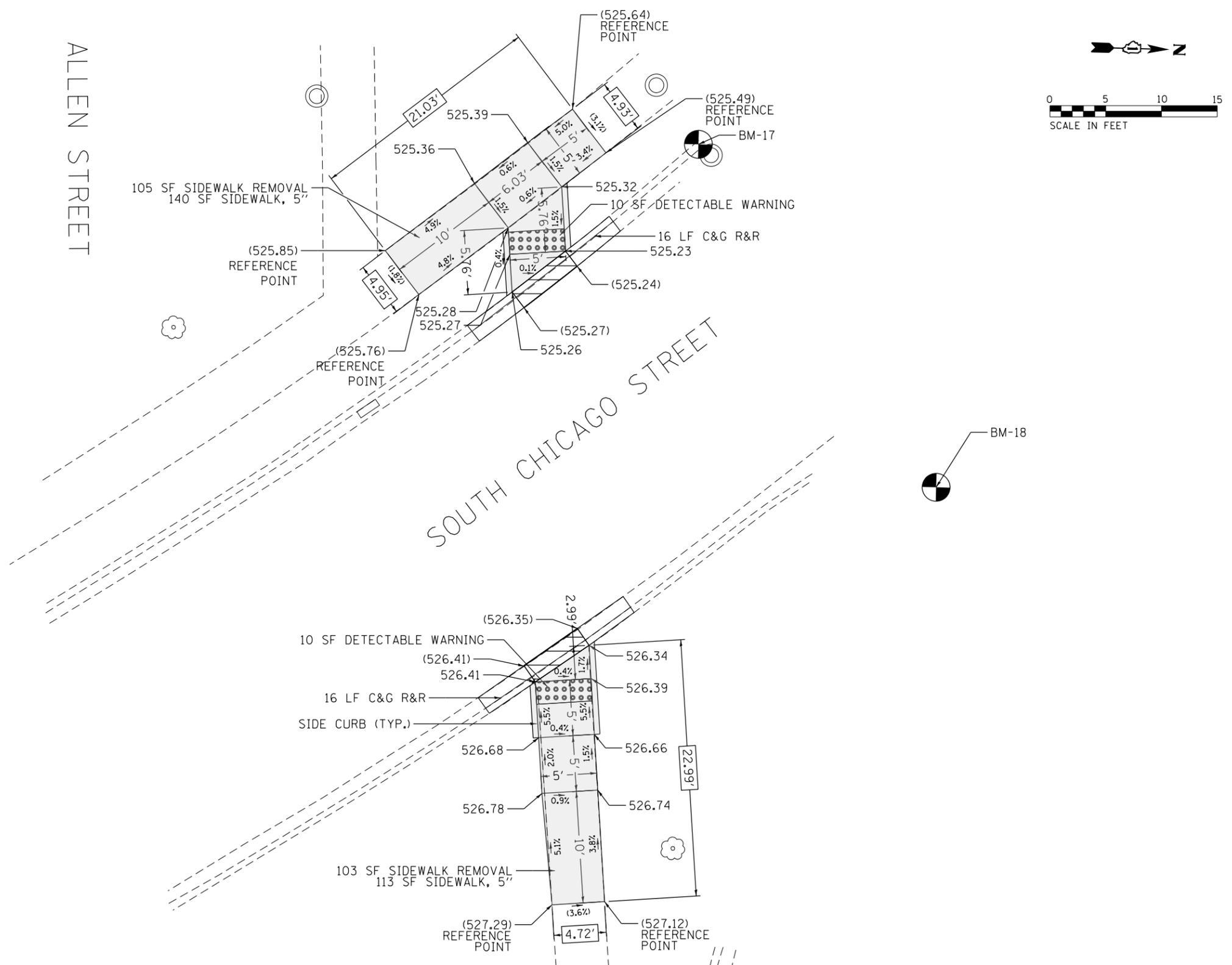
REFERENCE BENCHMARK 13 ELEV 527.115
BENCHMARK: CUT SQUARE IN TOP OF CURB
LOCATION: SOUTHWEST CORNER OF WALLACE STREET AND CHICAGO STREET

LEGEND

- XX.XX EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- ══ PROPOSED SIDE CURB
- PROPOSED SIDEWALK
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK 14 ELEV 527.775
BENCHMARK: CUT SQUARE IN CONCRETE LIGHT POLE BASE
LOCATION: NORTHWEST CORNER OF WALLACE STREET AND CHICAGO STREET

FILE NAME =	USER NAME = msick	DESIGNED - AN / MS / KW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP DETAILS S CHICAGO ST AT WALLACE ST	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Z:\17002.02 100T D1 W02 ADA Ramps US 6...	S 52. IL 53\Design\PreIm\Plotsheets\062...	DRAWN - AN / MS / KW	REVISED -			112	2016-026RS	WILL	30	15H
Default	PLOT SCALE = 10.0000' / in.	CHECKED - JH	REVISED -			CONTRACT NO. 62C41			ILLINOIS FED. AID PROJECT	
	PLOT DATE = 3/14/2017	DATE - 03/17/2017	REVISED -	SCALE: 1" = 5'		SHEET OF SHEETS		STA. TO STA.		



NOTE:
REFER TO ROADWAY AND PAVEMENT MARKING
PLANS FOR PROPOSED PAVEMENT MARKINGS.

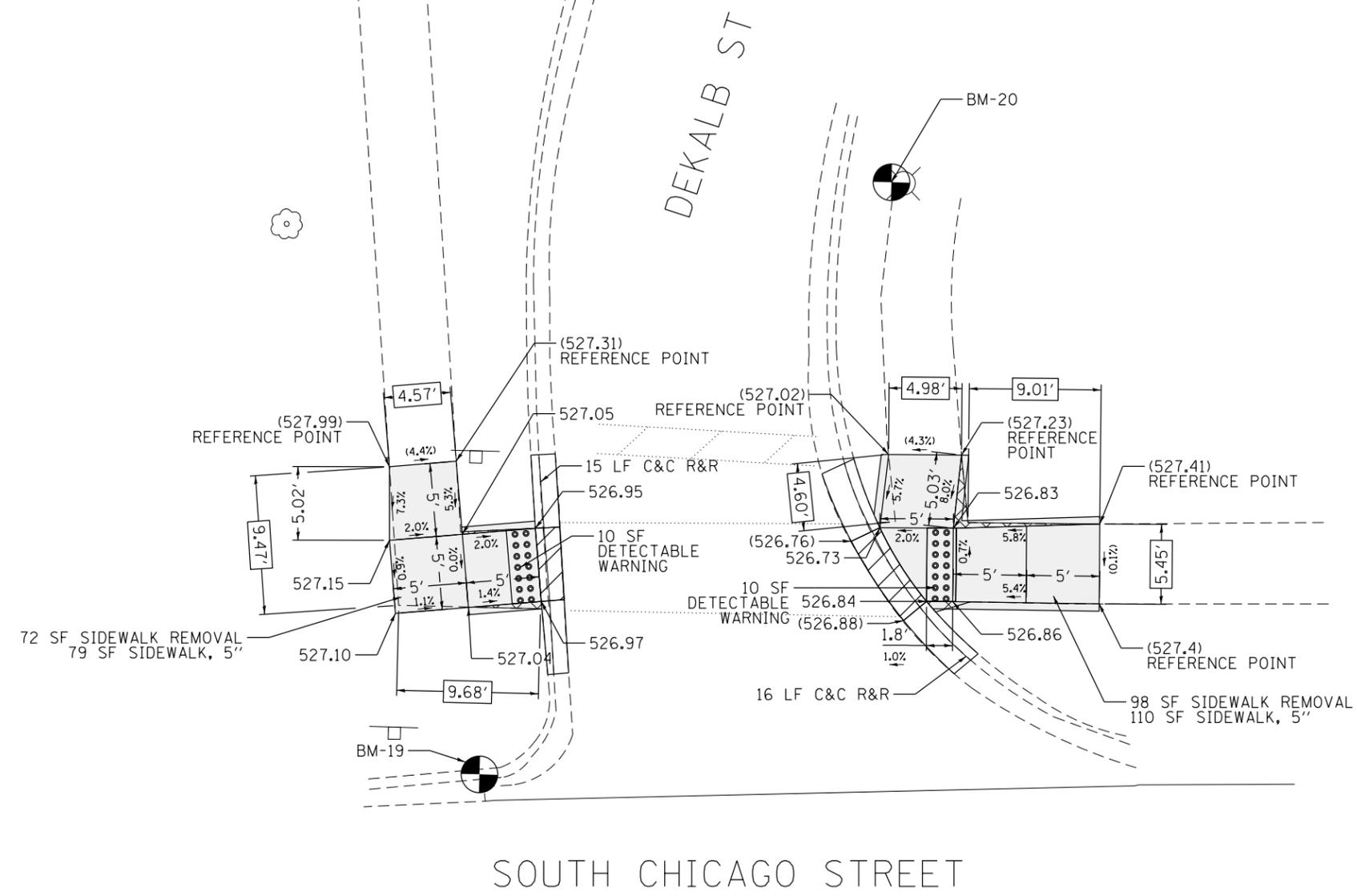
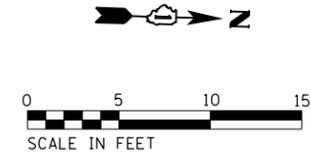
REFERENCE BENCHMARK 17 ELEV 525.447
BENCHMARK: CUT SQUARE IN TOP OF CURB OPPOSITE OF CATCH BASIN
LOCATION: WEST SIDE OF SOUTH CHICAGO STREET JUST NORTH OF ALLEN STREET

LEGEND

- XX.XX EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- ══ PROPOSED SIDE CURB
- PROPOSED SIDEWALK
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK 18 ELEV 526.329
BENCHMARK: CUT SQUARE IN CURB ON TOP
LOCATION: EAST SIDE OF SOUTH CHICAGO STREET JUST NORTH OF ALLEN STREET

FILE NAME =	USER NAME = mslick	DESIGNED - AN / MS / KW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP DETAILS S CHICAGO ST AT ALLEN ST	F.A.P. RTE. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =
Z:\17002.02 100T D1 W02 ADA Ramps US 6...	S 52. IL 53\Design\PreIm\Plotsheets\062...	DRAWN - AN / MS / KW	REVISED -			112	2016-026RS	WILL	30	15J
Default	PLOT SCALE = 10.0000 / in.	CHECKED - JH	REVISED -			CONTRACT NO. 62C41			ILLINOIS FED. AID PROJECT	



NOTE:
REFER TO ROADWAY AND PAVEMENT MARKING
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK 19 ELEV 527.478
BENCHMARK: CUT SQUARE IN TOP OF CURB
LOCATION: SOUTH SIDE

LEGEND

- XX.XX EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- ==== PROPOSED SIDE CURB
- PROPOSED SIDEWALK
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK 20 ELEV 527.055
BENCHMARK: CUT SQUARE IN SOUTH SIDE OF CONCRETE LIGHT POLE BASE
LOCATION: NORTH SIDE

FILE NAME =	USER NAME = msick	DESIGNED - AN / MS / KW	REVISED -
Z:\17002.02 100T D1 W02 ADA Ramps US 6	S 52. IL 53\Design\PreIm\Plotsheets\062	DRAWN - AN / MS / KW	REVISED -
Default	PLOT SCALE = 10.0000' / in.	CHECKED - JH	REVISED -
	PLOT DATE = 3/14/2017	DATE - 03/17/2017	REVISED -

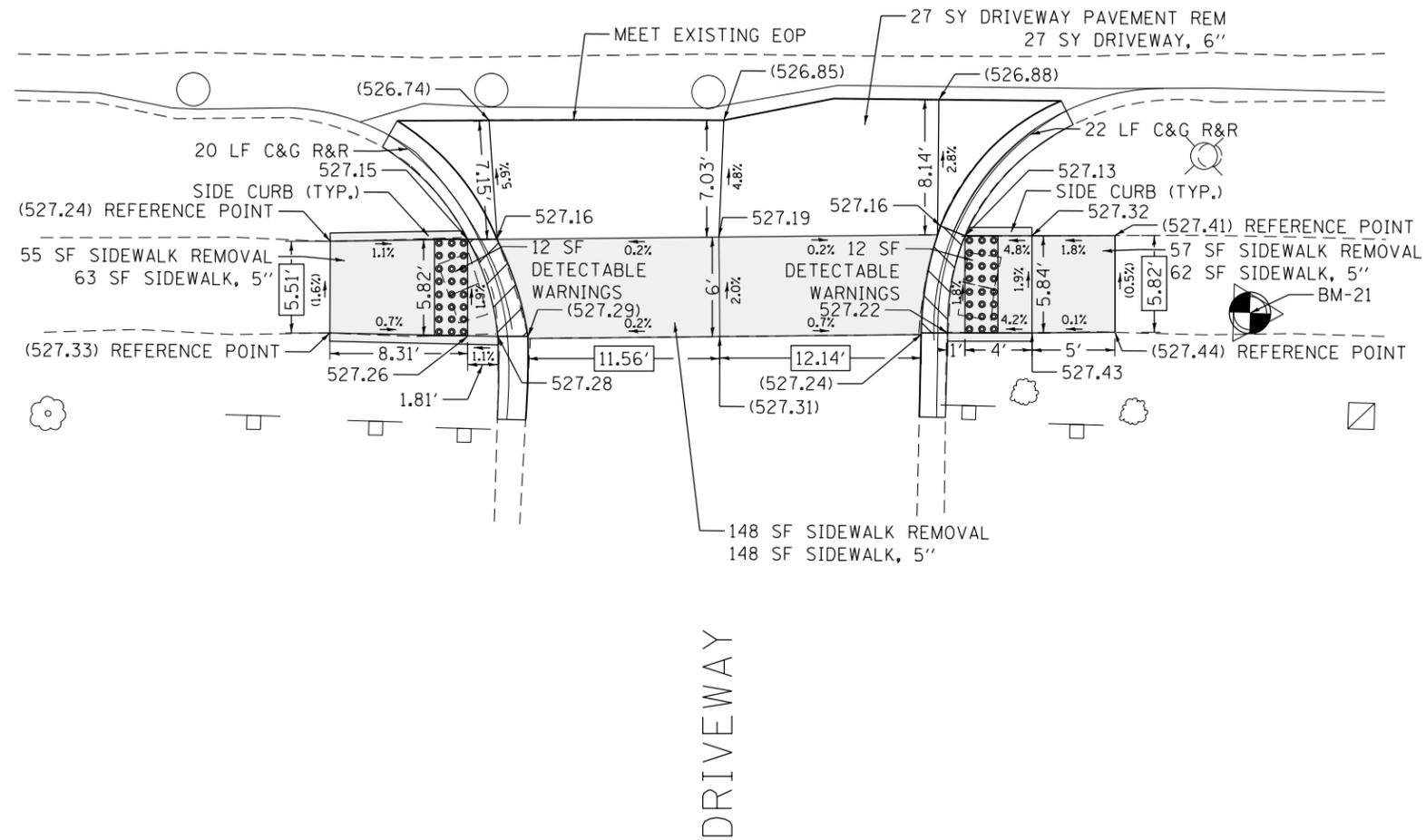
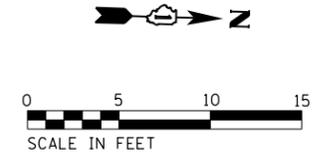
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS
S CHICAGO ST AT DEKALB ST**

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2016-026R5	WILL	30	15K
CONTRACT NO. 62C41				
ILLINOIS FED. AID PROJECT				

SOUTH CHICAGO STREET



NOTE:
REFER TO ROADWAY AND PAVEMENT MARKING
PLANS FOR PROPOSED PAVEMENT MARKINGS.

LEGEND

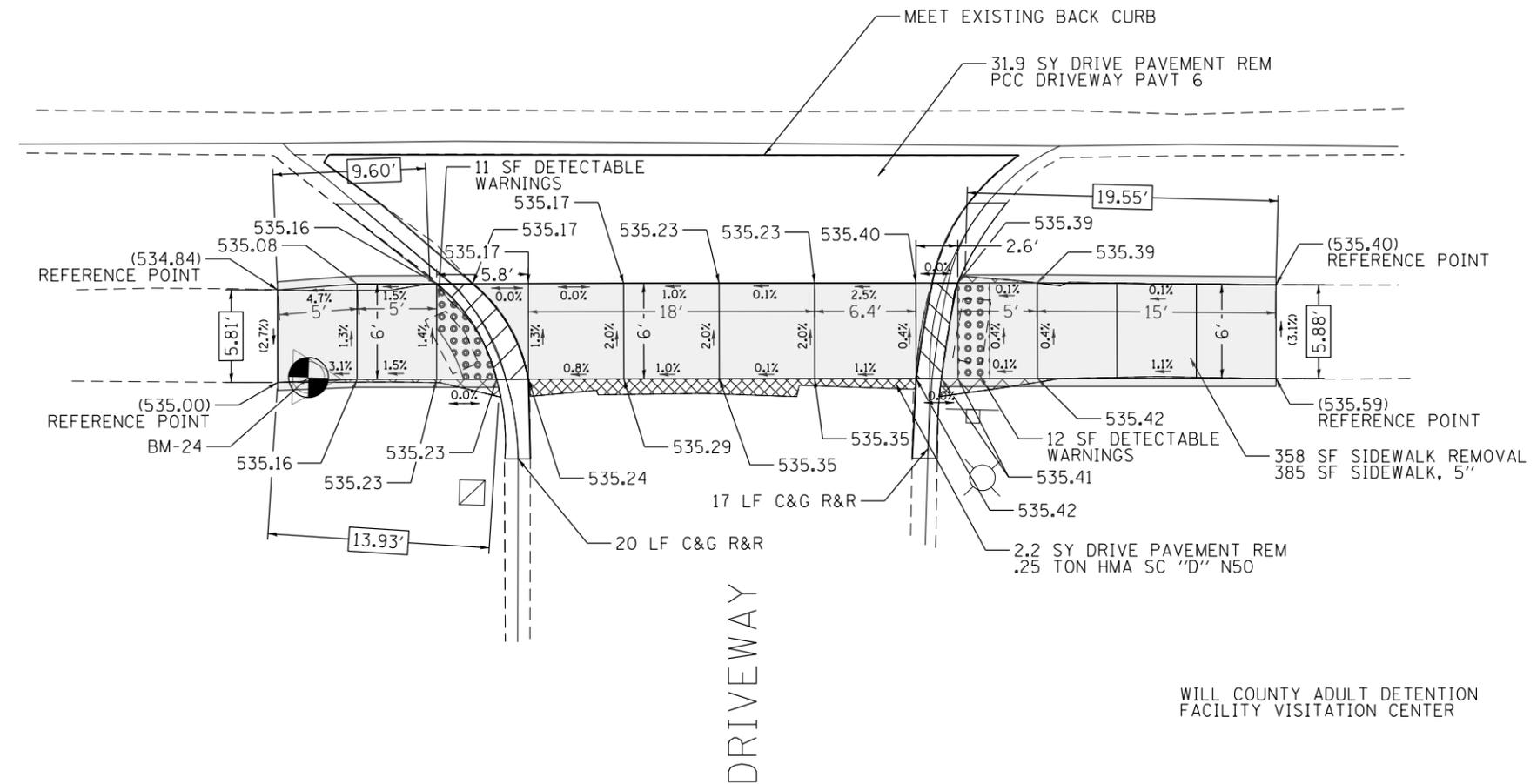
- XX.XX EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- ===== PROPOSED SIDE CURB
- PROPOSED SIDEWALK
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK 21 ELEV 527.55
BENCHMARK: DIAGONAL CUT CROSS IN SIDEWALK
LOCATION: NORTHEAST CORNER OF DRIVEWAY AND SOUTH CHICAGO ST

FILE NAME =	USER NAME = mslick	DESIGNED - AN / MS / KW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP DETAILS S CHICAGO ST AT DRIVEWAY N OF OSGOOD ST	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Z:\17002.02 100T D1 W02 ADA Ramps US 6	S 52, IL 53\Design\PreIm\Plotsheets\062	DRAWN - AN / MS / KW	REVISED -			112	2016-026R5	WILL	30	15L
Default	PLOT SCALE = 10.0000' / in.	CHECKED - JH	REVISED -			CONTRACT NO. 62C41				
	PLOT DATE = 3/14/2017	DATE - 03/17/2017	REVISED -	SCALE: 1" = 5'		SHEET OF SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT



SOUTH CHICAGO STREET



NOTE:
REFER TO ROADWAY AND PAVEMENT MARKING
PLANS FOR PROPOSED PAVEMENT MARKINGS.

REFERENCE BENCHMARK 24 ELEV 535.03
BENCHMARK: DIAGONAL CUT CROSS IN SIDEWALK
LOCATION: SOUTHEAST CORNER OF DRIVEWAY AND SOUTH CHICAGO ST

LEGEND

- XX.XX EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- ===== PROPOSED SIDE CURB
- PROPOSED SIDEWALK
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD

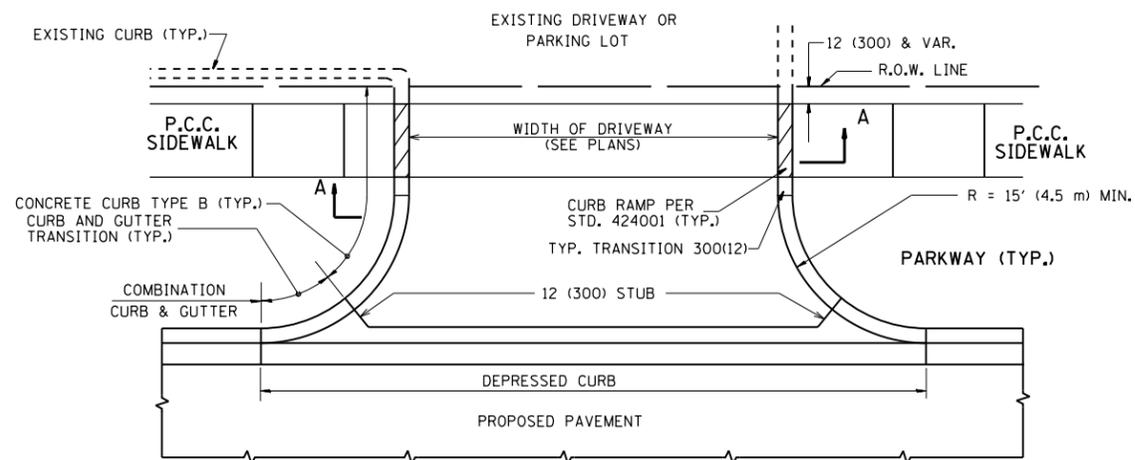
FILE NAME =	USER NAME = mslick	DESIGNED - AN / MS / KW	REVISED -
Z:\17002.02 IDOT D1 W02 ADA Ramps US 6...	S:\52_IL_53\Design\PreIm\Plotsheets\062...	DRAWN - AN / MS / KW	REVISED -
Default	PLOT SCALE = 10.0000' / in.	CHECKED - JH	REVISED -
	PLOT DATE = 3/14/2017	DATE - 03/17/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

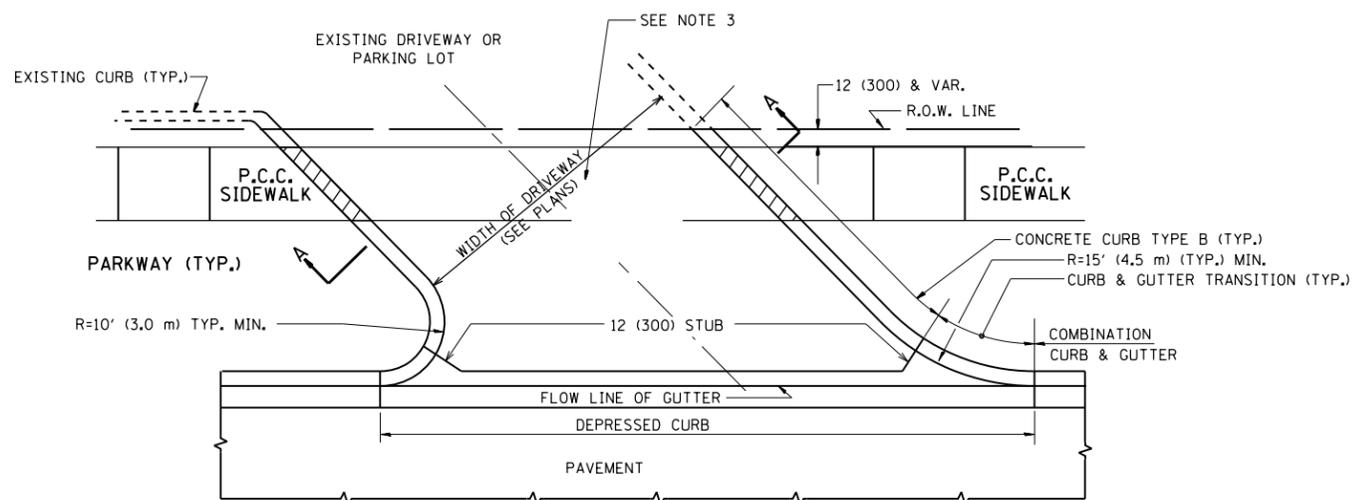
**ADA RAMP DETAILS
S CHICAGO ST AT DRIVEWAY N OF MARION ST**

SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

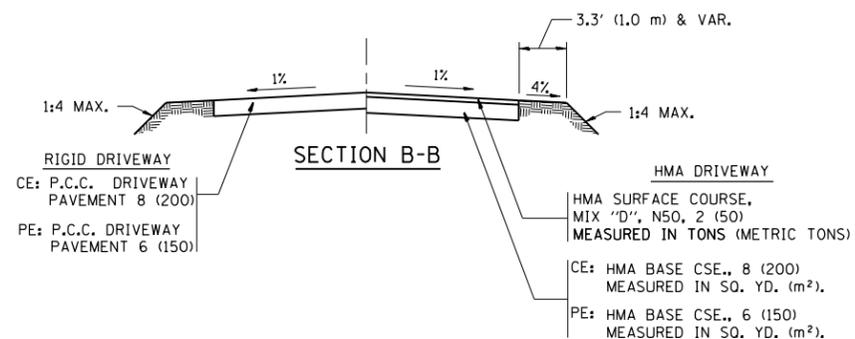
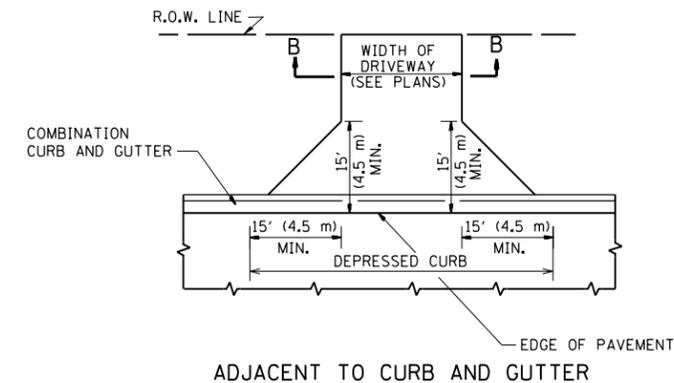
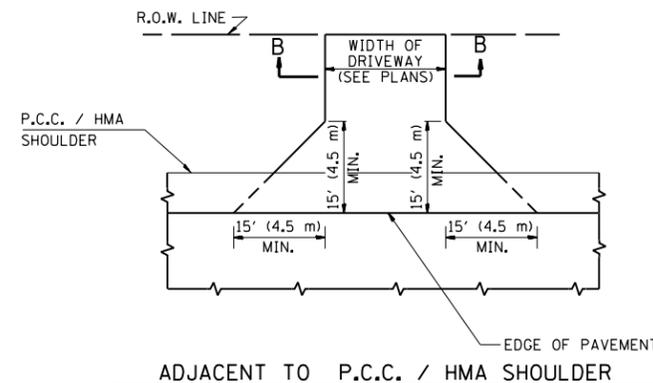
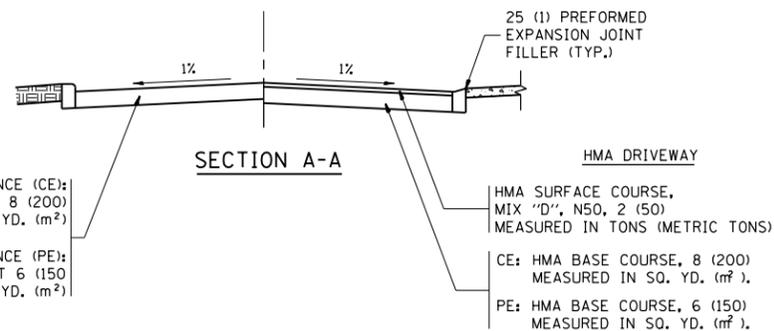
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2016-026RS	WILL	30	150
CONTRACT NO. 62C41				
ILLINOIS FED. AID PROJECT				



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



RURAL FIELD ENTRANCE (FE)
HMA SURFACE COURSE,
MIX "D", N50, 2 (50)
MEASURED IN TONS (METRIC TONS)
AGGREGATE BASE CSE., TYPE B, 8 (200)
MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

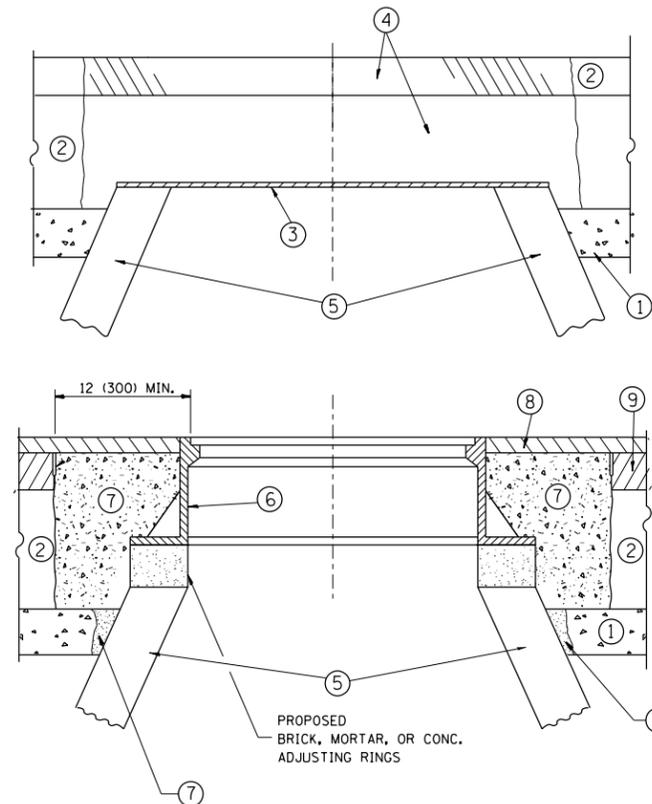
FILE NAME =	USER NAME = aqeelff	DESIGNED - R. SHAH	REVISED - P. LaFLUER 04-15-03
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI349\BROWNS\Design\Diststd.dgn		CHECKED -	REVISED - R. BORO 01-01-07
PLOT SCALE = 100.0002' / 1"		DATE - 11-04-95	REVISED - R. BORO 06-11-08
PLOT DATE = 2/15/2017			REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W.
AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2016-026R5	WILL	30	16
BD0156-07 (BD-01)		CONTRACT NO. 62C41		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-1* CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

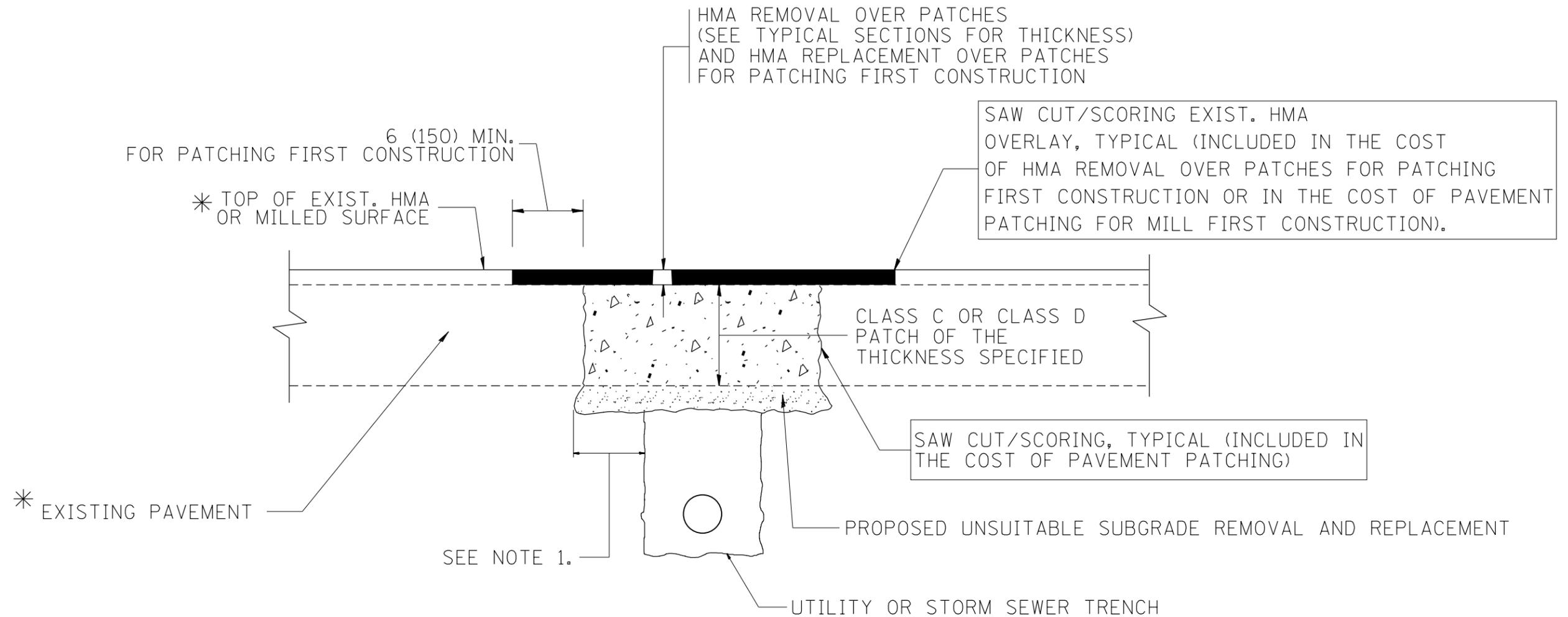
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = aqeeiff	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
p:\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI349\BROWNS\Meta\Design\Diststd.dgn			REVISED - R. BORO 01-01-07
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 2/15/2017	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2016-02GR5	WILL	30	18
BD600-03 (BD-8)		CONTRACT NO. 62C41		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = aqeeiff	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI349\BROWNS\Design\Diststd.dgn	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 01-01-07					112	2016-026R5	WILL	30	19
	PLOT DATE = 2/15/2017	DATE - 10-25-94	REVISED - R. BORO 09-04-07		BD400-04 (BD-22)			CONTRACT NO. 62C41				
			REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

BASIS OF PAYMENT:
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

SEE STATE STANDARD 606001
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

1/4" (5) **

18" (450) MAX.

T/2 *

3" (75) MIN.

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

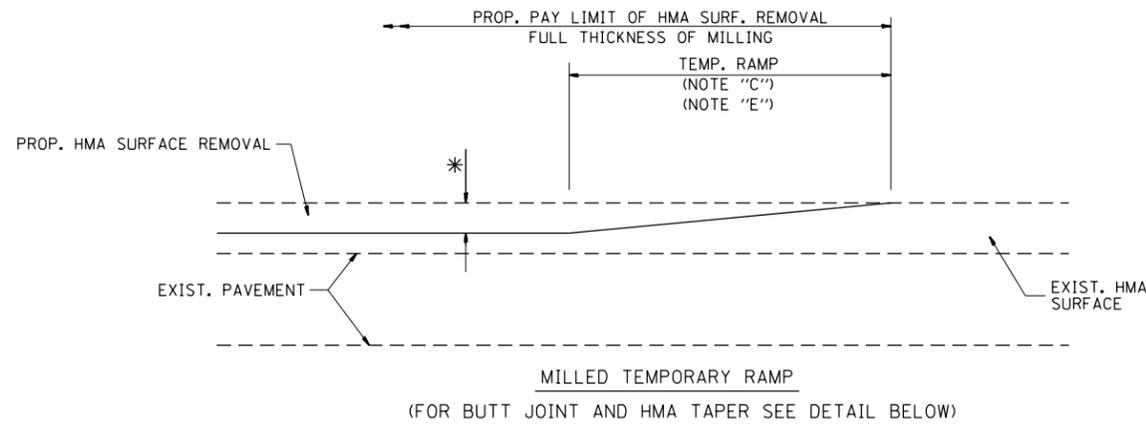
⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

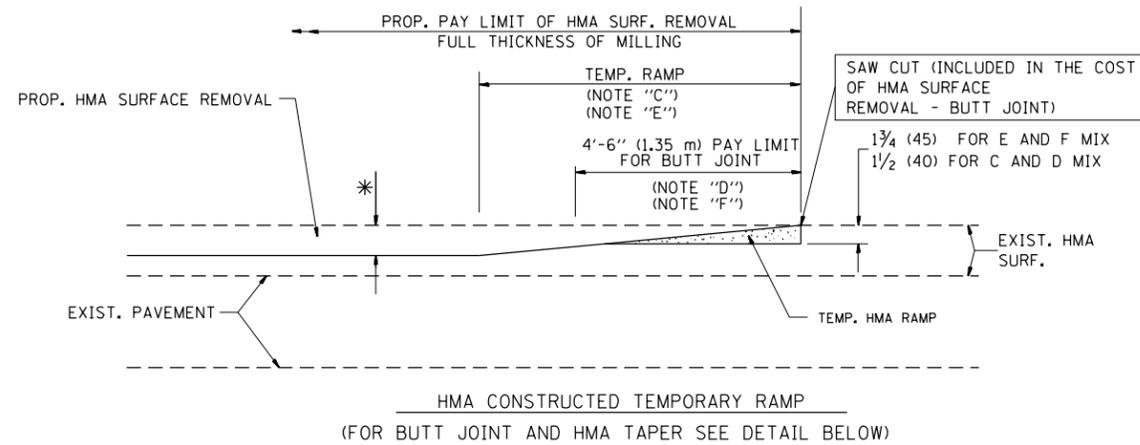
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = aqeelff	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI349\BROWNS\Meta\Design\Diststd.dgn		CHECKED -	REVISED - A. ABBAS 03-21-97			112	2016-026R5	WILL	30	20
PLOT SCALE = 100.0000' / in.		DATE - 03-11-94	REVISED - M. GOMEZ 01-22-01			BD600-06 (BD-24)		CONTRACT NO. 62C41		
PLOT DATE = 2/15/2017			REVISED - R. BORO 12-15-09			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

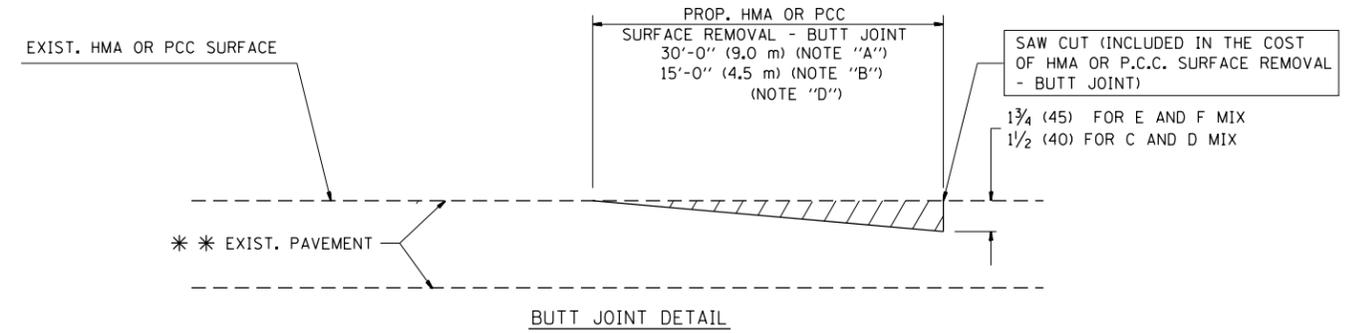


OPTION 1

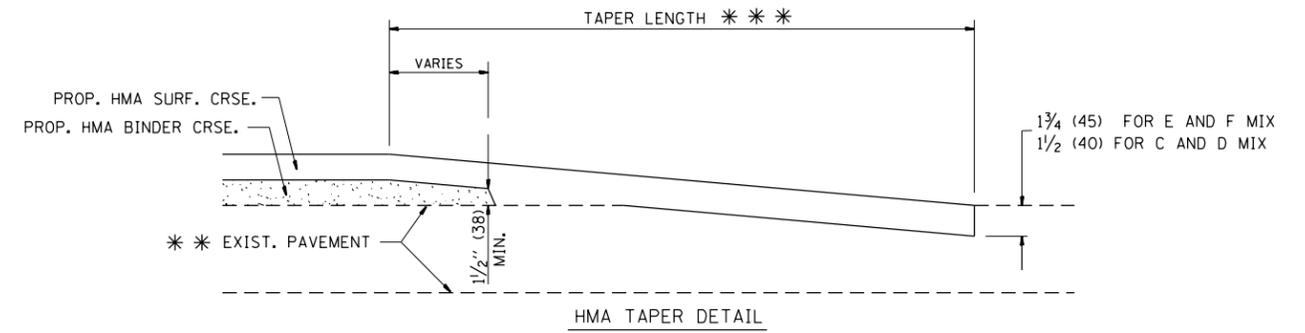


OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

* * * PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

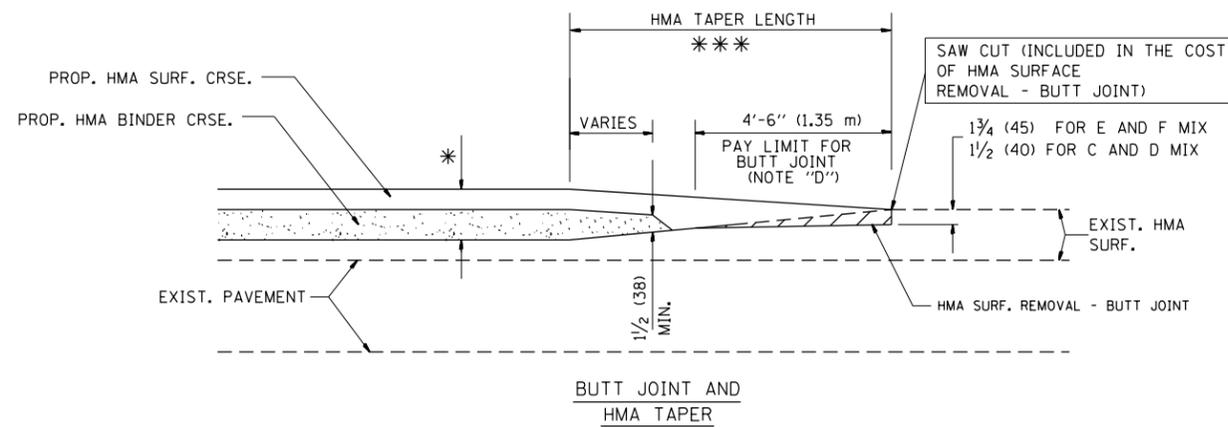
NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- * * * 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



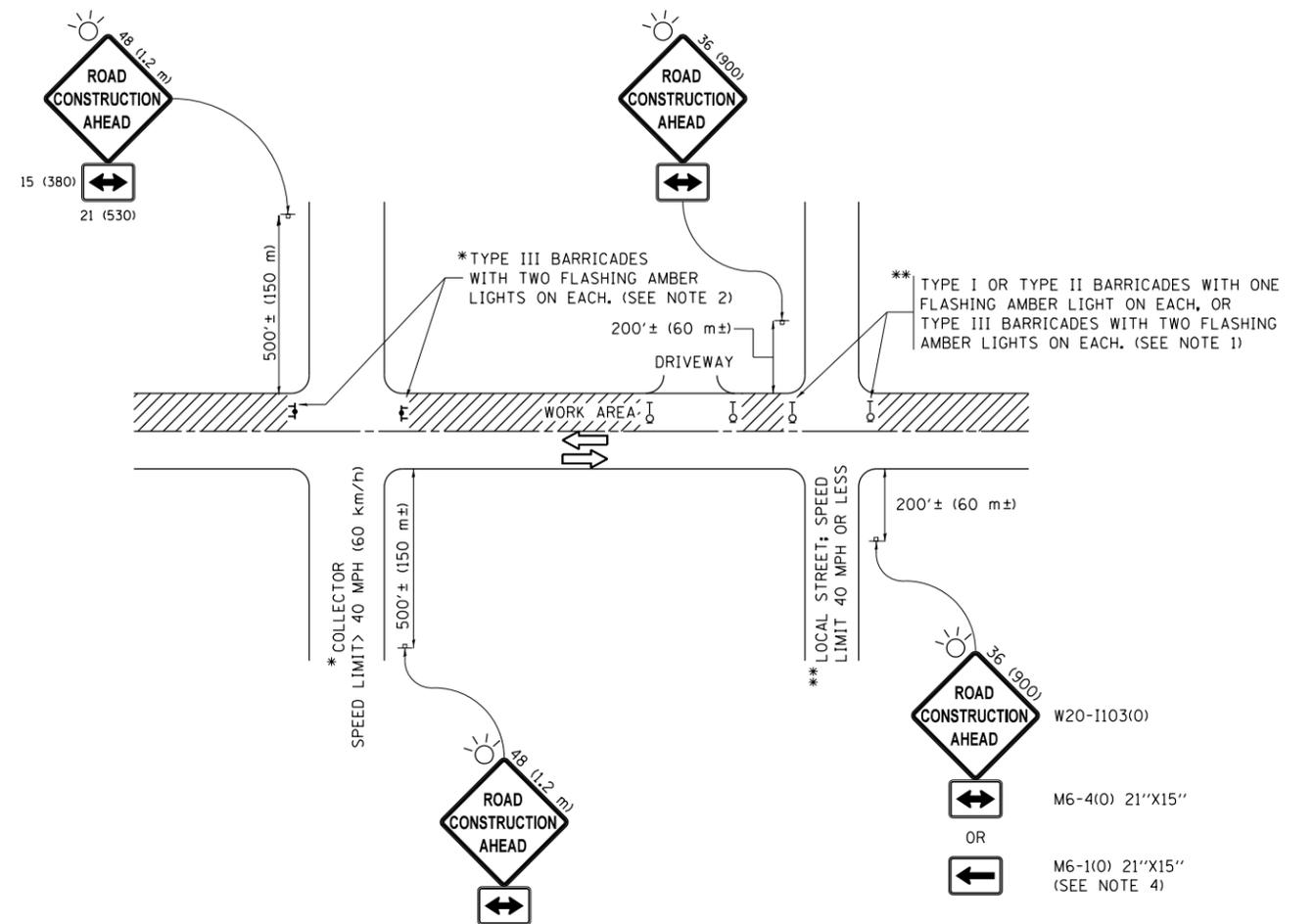
TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

FILE NAME =	USER NAME = aqeelff	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\11349\BROWNS\Design\Diststd.dgn			REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 2/15/2017	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINT AND HMA TAPER DETAILS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2016-026R5	WILL	30	21
BD400-05 BD32		CONTRACT NO. 62C41		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

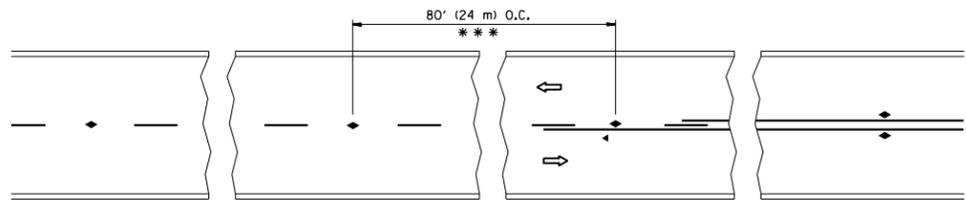
FILE NAME =	USER NAME = aqeelff	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
p:\11084EBIDINTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI349\Drawings\Design\Diststd.dgn			REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 2/15/2017	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

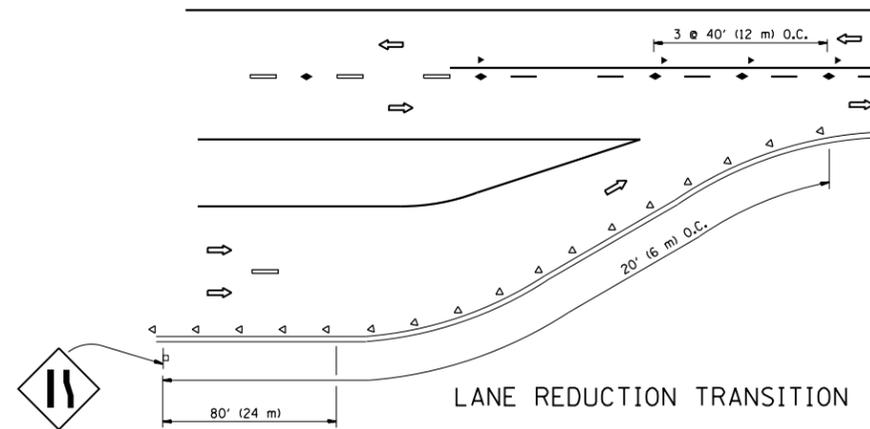
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2016-026RS	WILL	30	23
TC-10			CONTRACT NO. 62C41	
ILLINOIS FED. AID PROJECT				

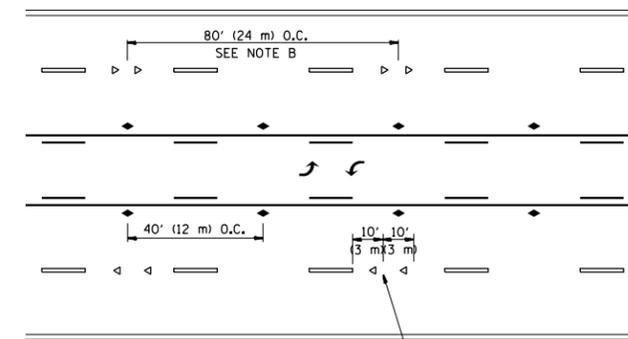


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

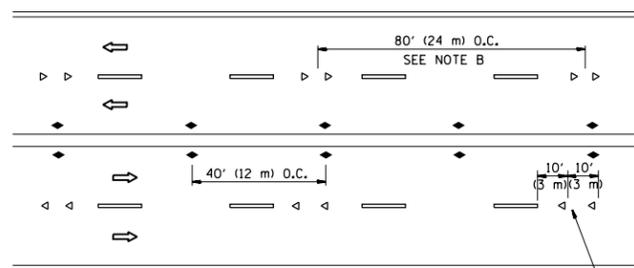
TWO-LANE/TWO-WAY



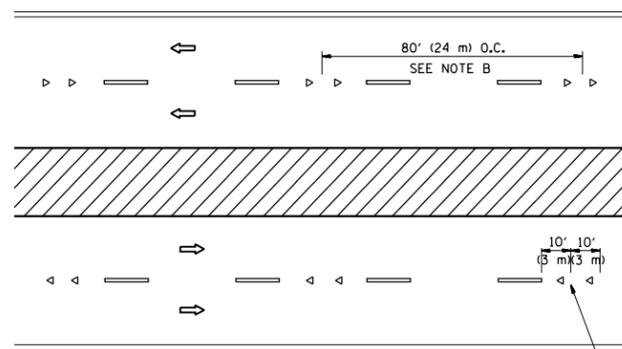
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

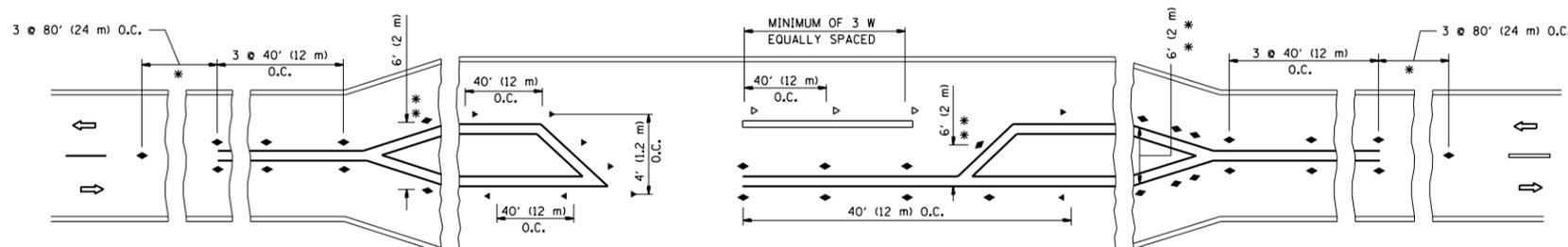
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

LEFT TURN

All dimensions are in inches (millimeters) unless otherwise shown.

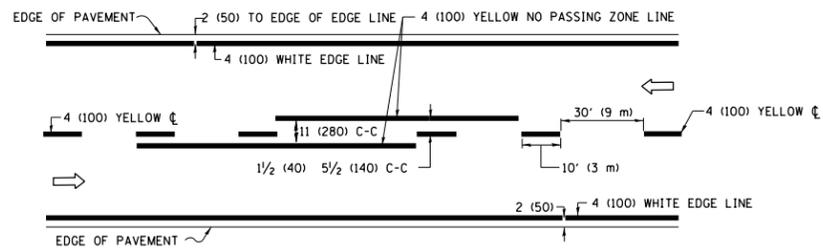
FILE NAME =	USER NAME = aqeelff	DESIGNED -	REVISED - T. RAMMACHER 09-19-94
pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI349\BROWN\Meta\Design\Diststd.dgn		CHECKED -	REVISED - T. RAMMACHER 03-12-99
		DATE -	REVISED - T. RAMMACHER 01-06-00
			REVISED - C. JUCIUS 09-09-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

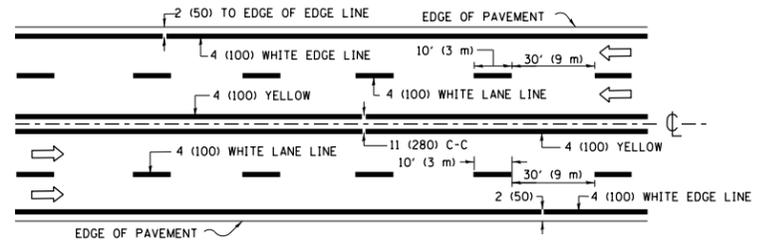
TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

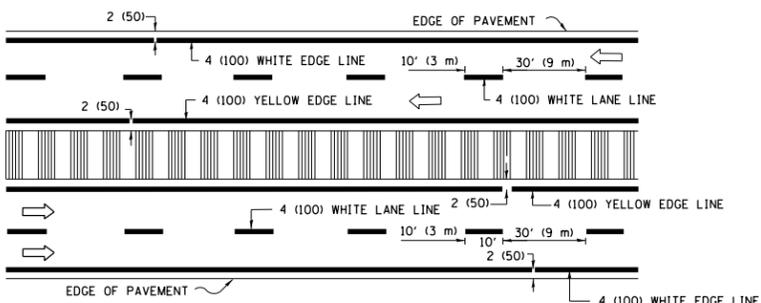
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2016-026RS	WILL	30	24
TC-11		CONTRACT NO. 62C41		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

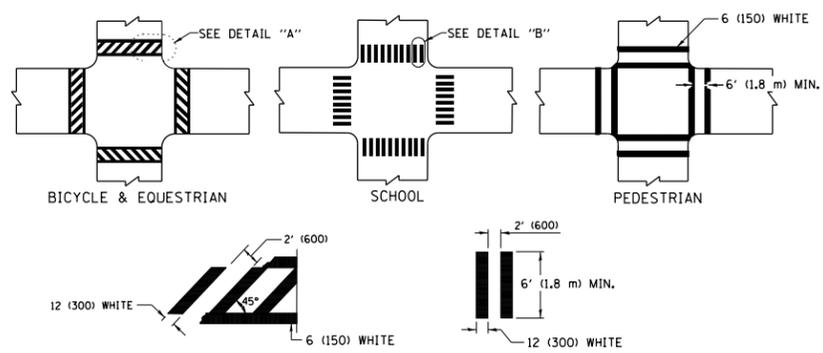


MULTI-LANE UNDIVIDED



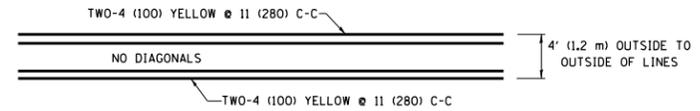
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

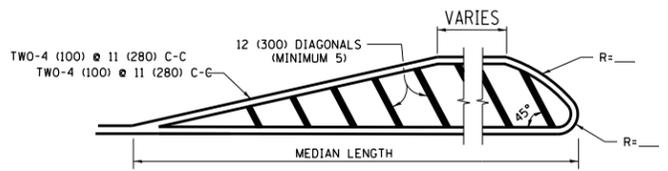


TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

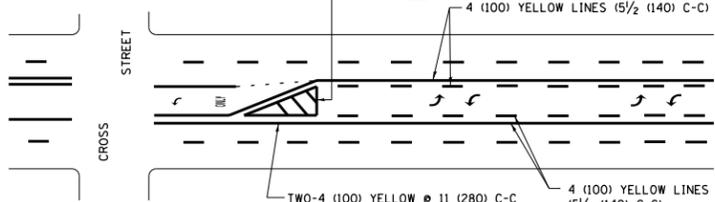


4' (1.2 m) WIDE MEDIANS ONLY

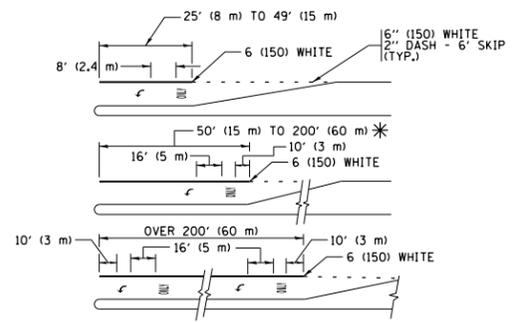


MEDIANS OVER 4' (1.2 m) WIDE

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

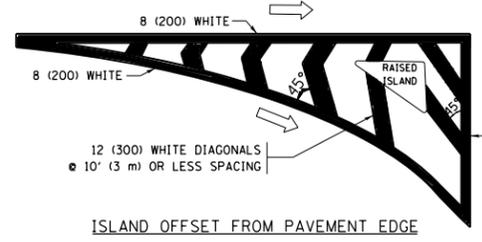


**MEDIAN WITH TWO-WAY LEFT TURN LANE
TYPICAL PAINTED MEDIAN MARKING**

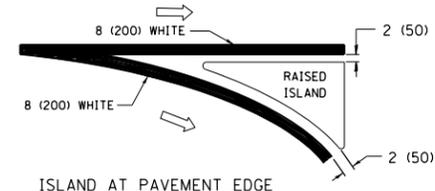


FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

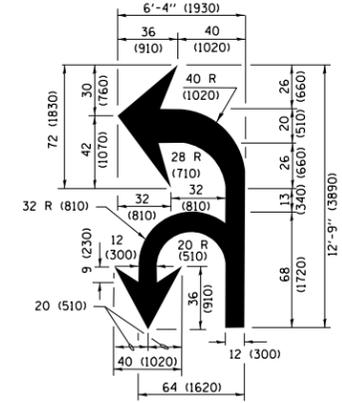
**TYPICAL LEFT (OR RIGHT) TURN LANE
TYPICAL TURN LANE MARKING**



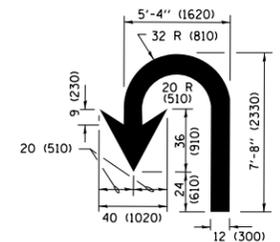
ISLAND OFFSET FROM PAVEMENT EDGE



**ISLAND AT PAVEMENT EDGE
TYPICAL ISLAND MARKING**



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8" (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = aqeelff	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pw\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\01349\Browns\Design\Diststd.dgn		CHECKED -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 100.0000' / in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 2/15/2017		REVISED - C. JUCIUS 04-12-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
TYPICAL PAVEMENT MARKINGS**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2016-026RS	WILL	30	25
TC-13		CONTRACT NO. 62C41		
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

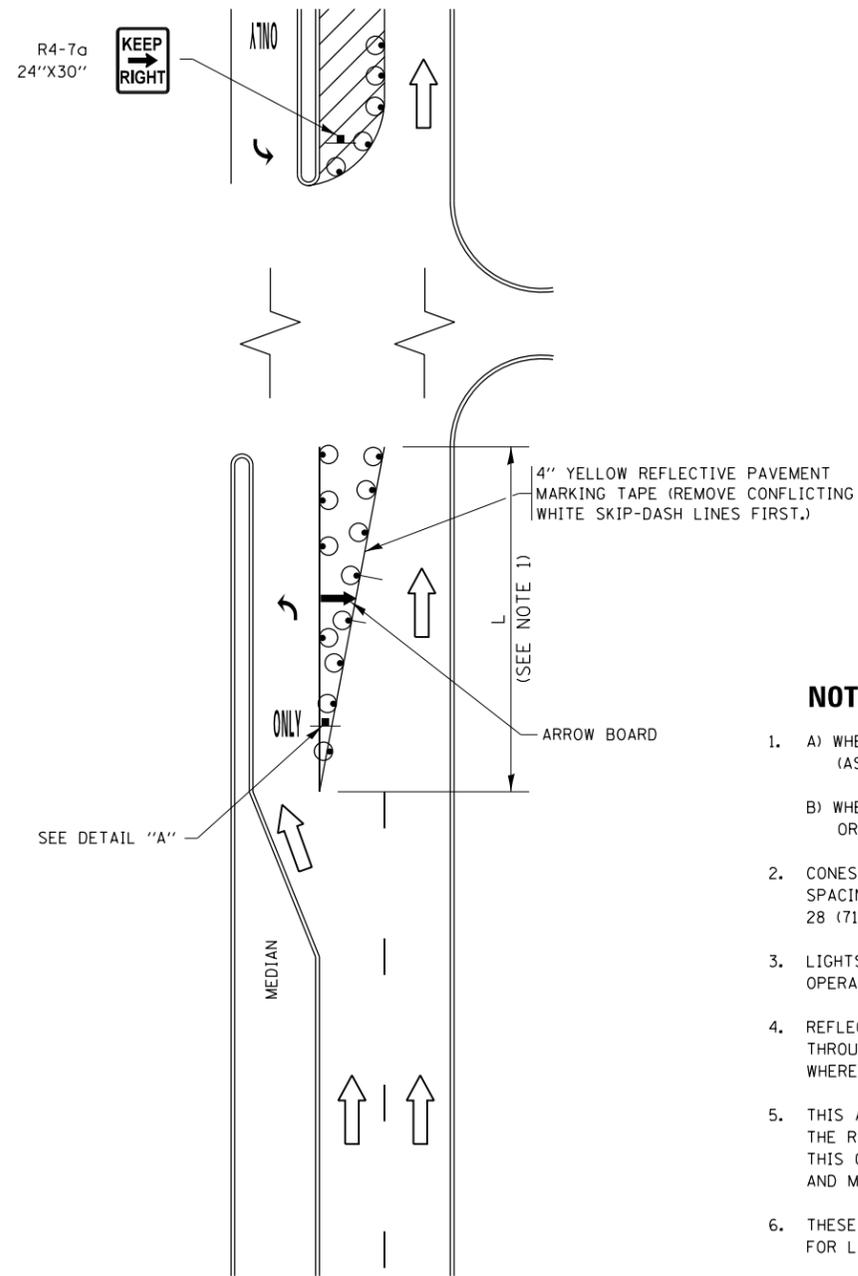


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

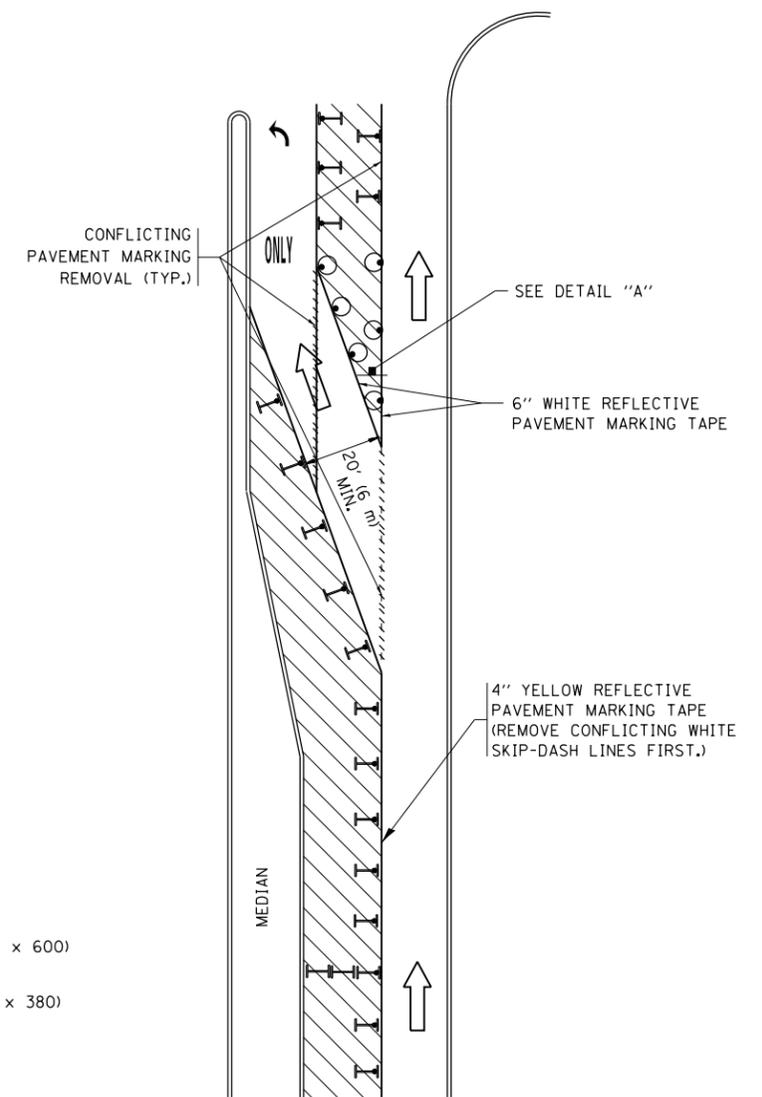
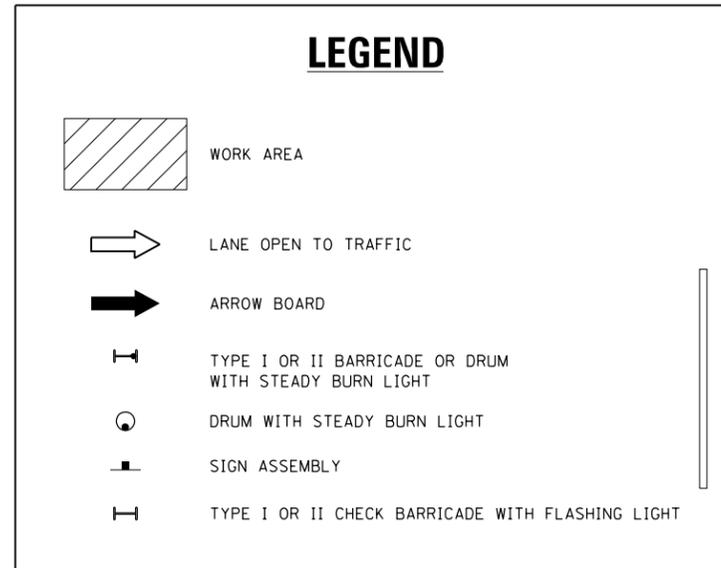
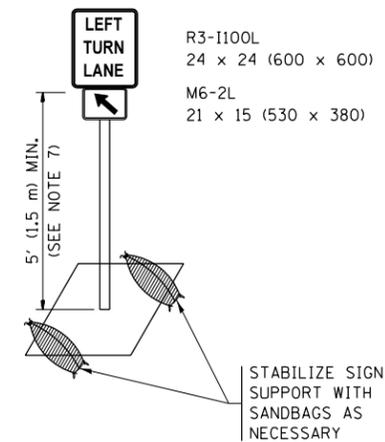


FIGURE 2



NOTES:

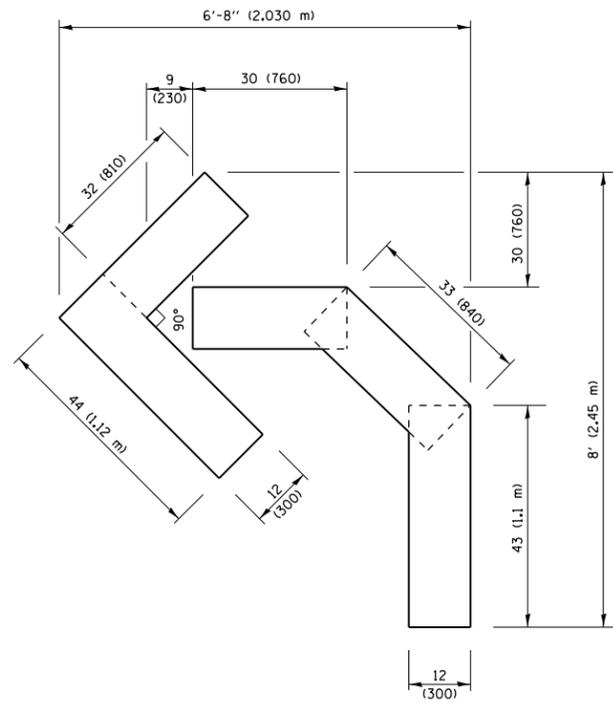
1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



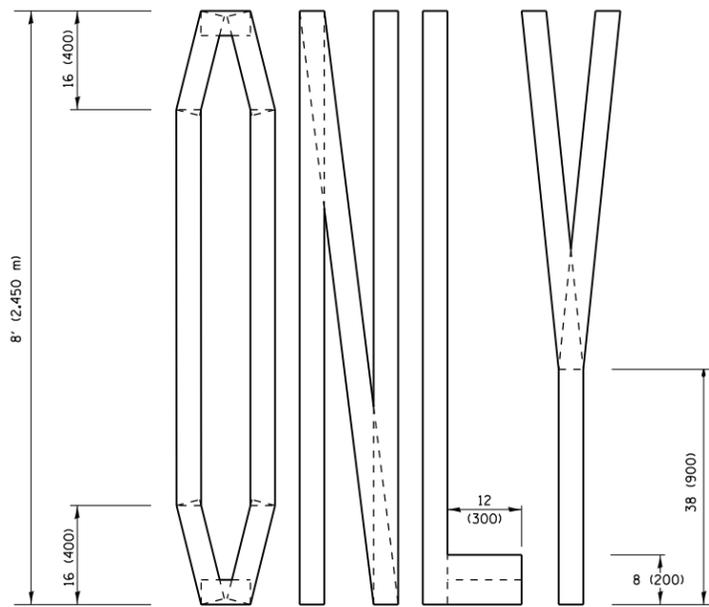
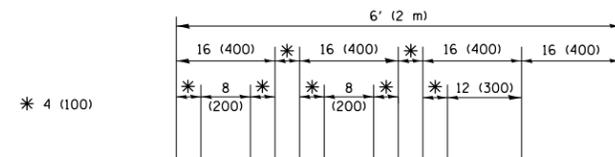
DETAIL A

All dimensions are in inches (millimeters) unless otherwise shown.

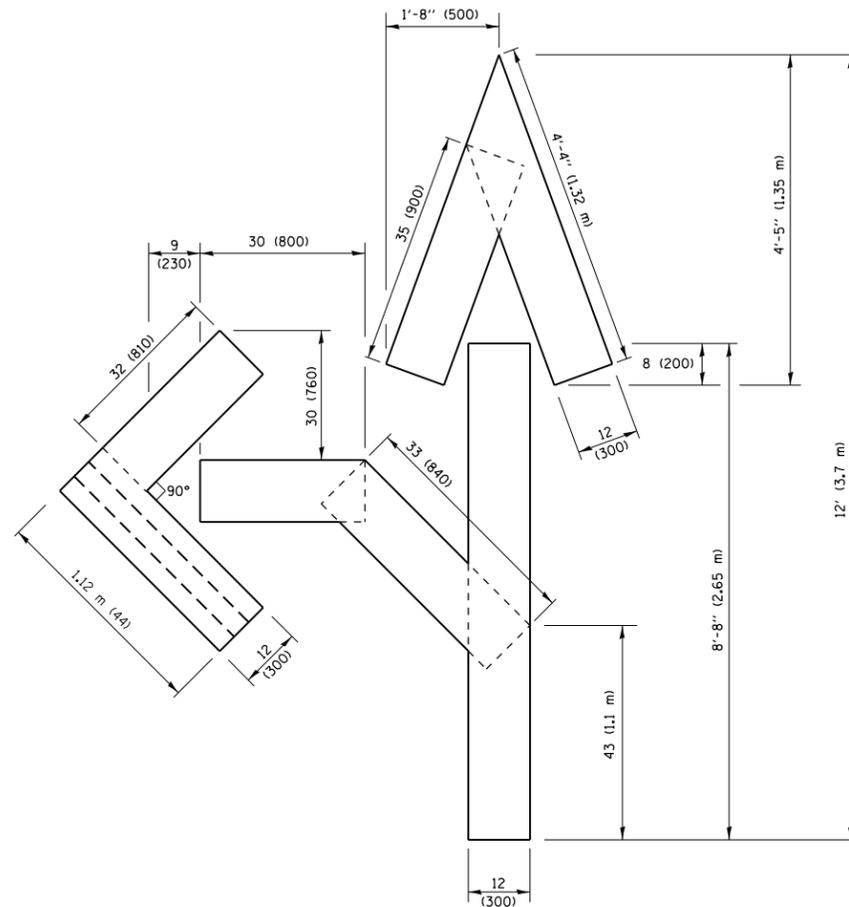
FILE NAME =	USER NAME = aqeelff	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default		REVISED - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13					112	2016-026R5	WILL	30	26
		REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16		TC-14			CONTRACT NO. 62C41				
		REVISED - T. RAMMACHER 01-06-00	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.			



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)



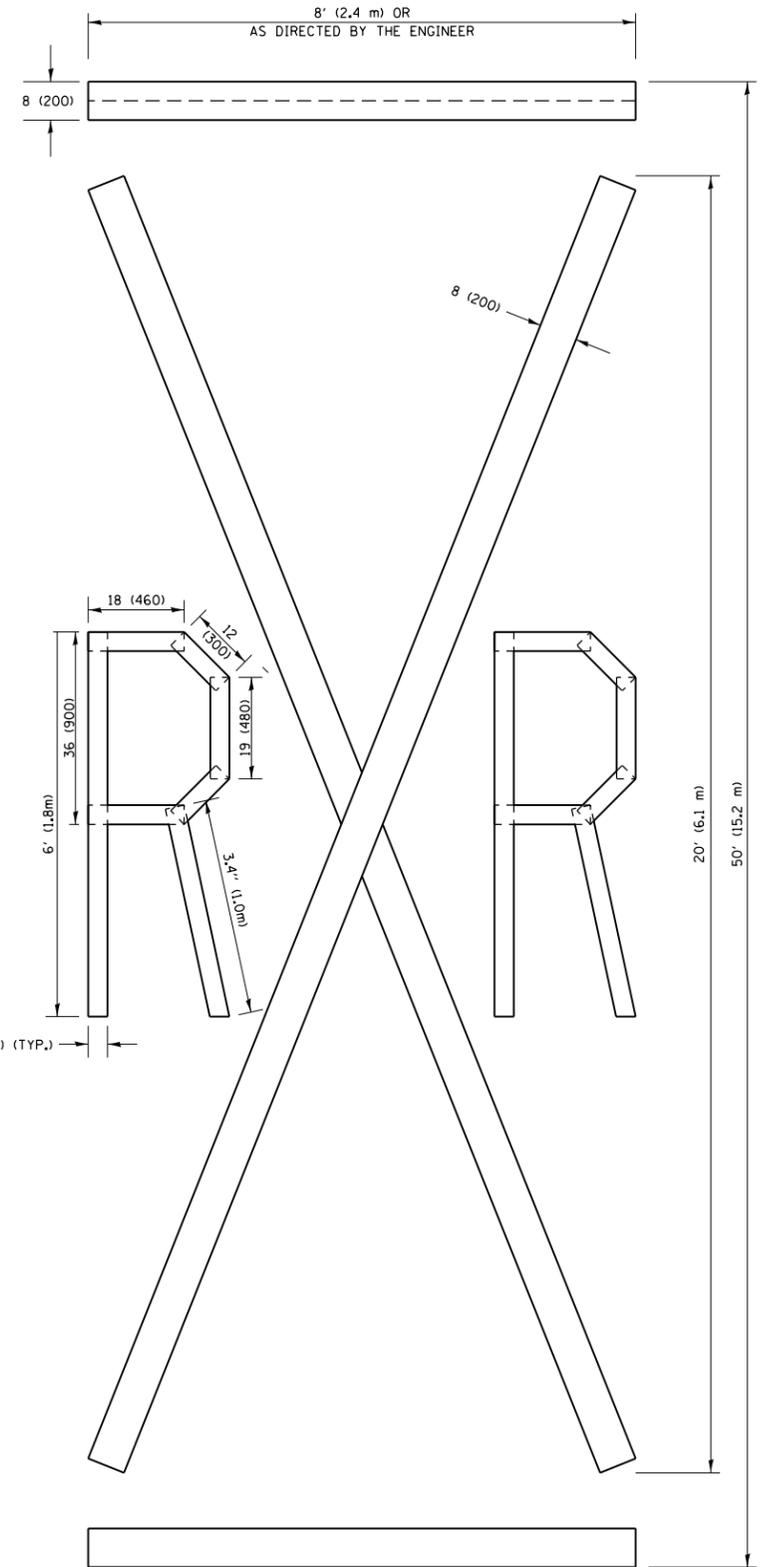
QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

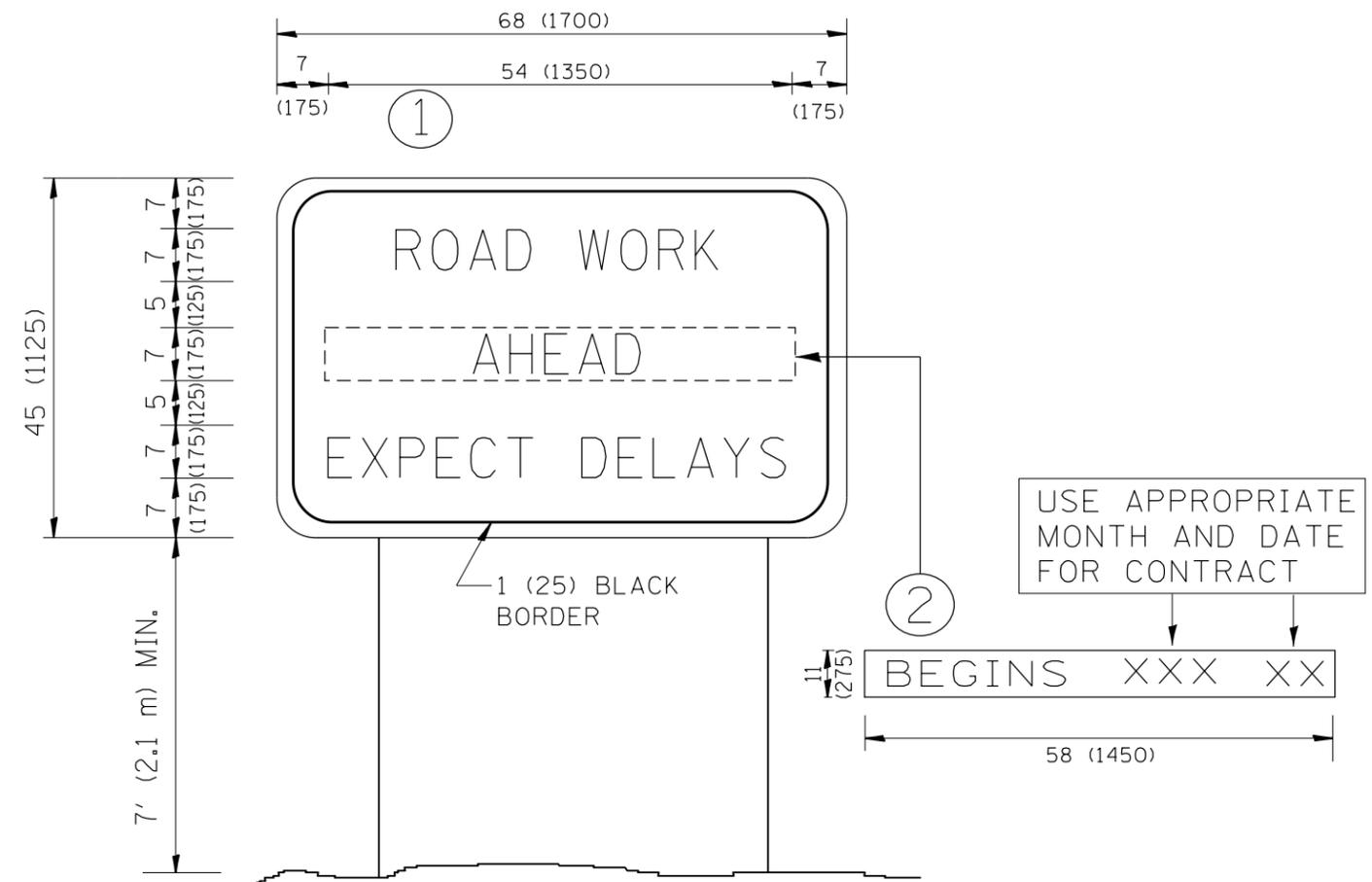
FILE NAME =	USER NAME = aqeelff	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
p:\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\01349\BROWNS\Notes\Design\Diststd.dgn			REVISED - E. GOMEZ 08-28-00
		CHECKED -	REVISED - E. GOMEZ 08-28-00
		DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2016-026RS	WILL	30	27
TC-16		CONTRACT NO. 62C41		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = aqeelff	DESIGNED -	REVISED - R. MIRS 09-15-97
p:\11\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI348\BROWNS\Design\Diststd.dgn		CHECKED -	REVISED - R. MIRS 12-11-97
		PLOT SCALE = 100.0000' / 1in.	REVISED - T. RAMMACHER 02-02-99
		DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

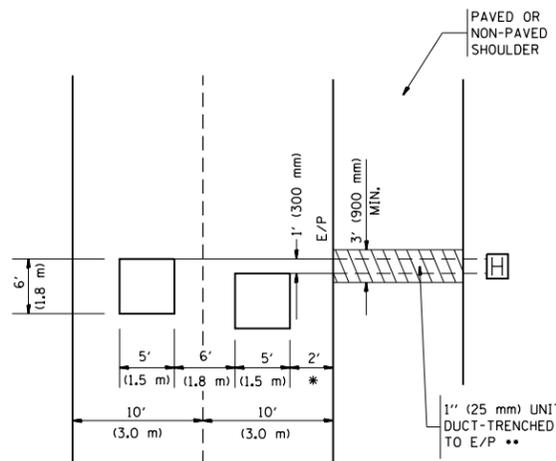
**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2016-026R5	WILL	30	28
TC-22		CONTRACT NO. 62C41		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.



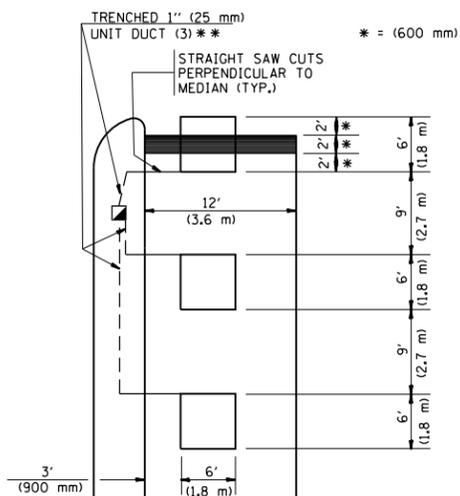
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.

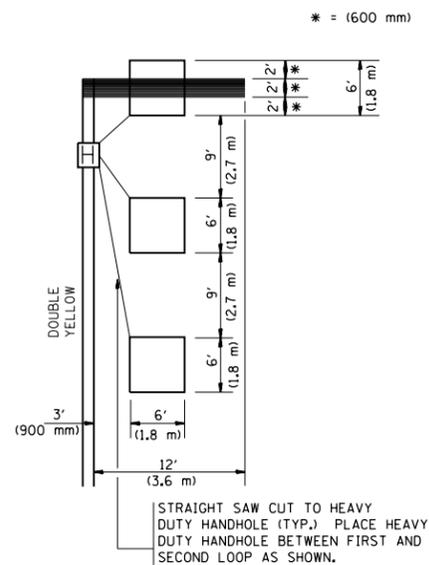


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

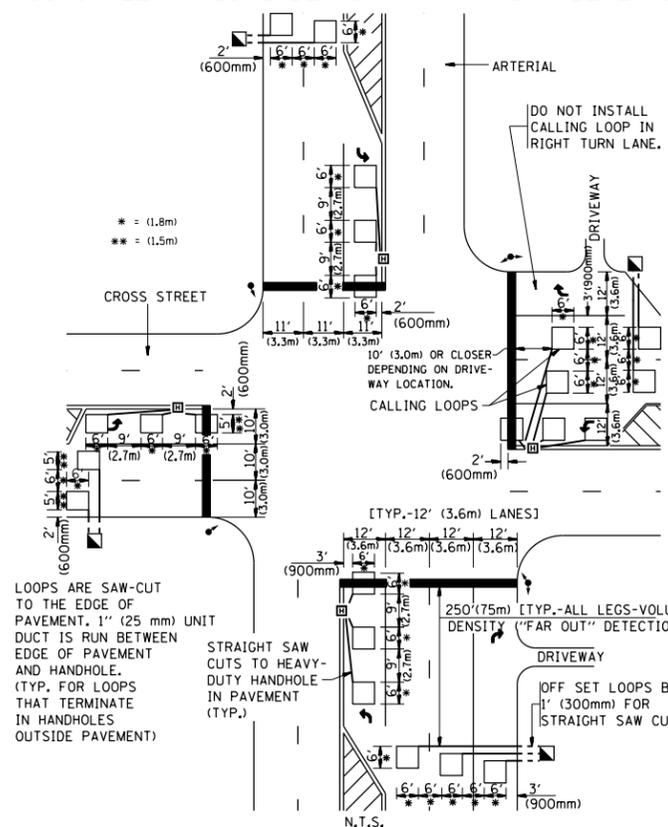
LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)



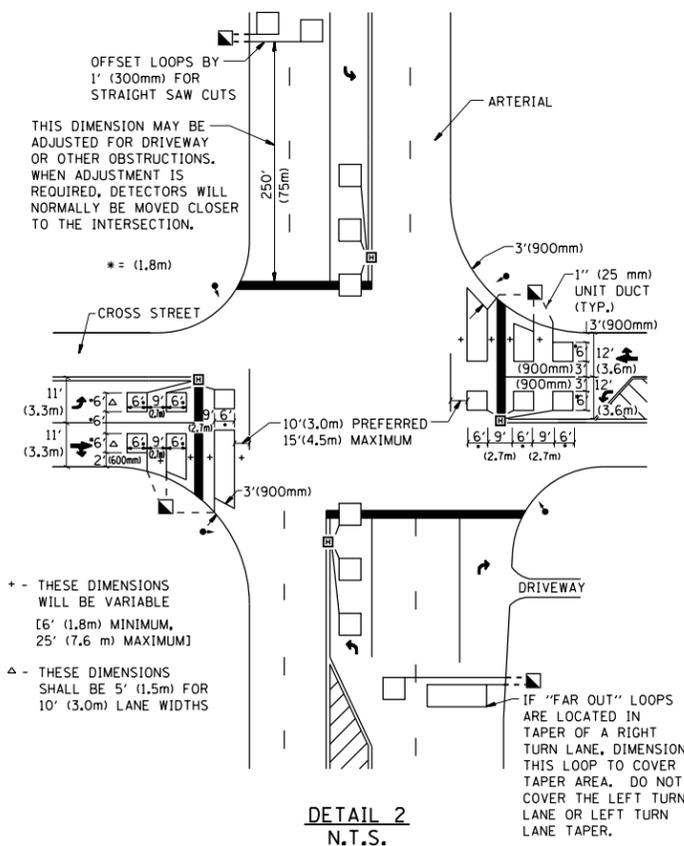
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)



DETAIL 1
N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

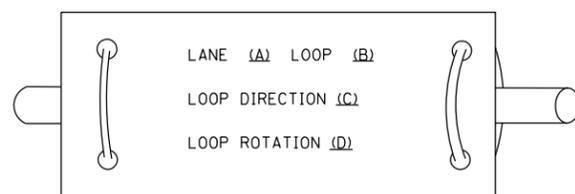
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

FILE NAME =	USER NAME = aqeelfff	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING			F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG\illinois.gov\PIW001\Documents\IDOT Offices\District 1\Projects\DI349\Design\Diststd.dgn		CHECKED - R.K.F.	REVISED -		112	2016-026R5	WILL	30	29			
PLOT SCALE = 100.0000' / in.		DATE -	REVISED -		TS-07			CONTRACT NO. 62C41				
PLOT DATE = 2/15/2017			REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

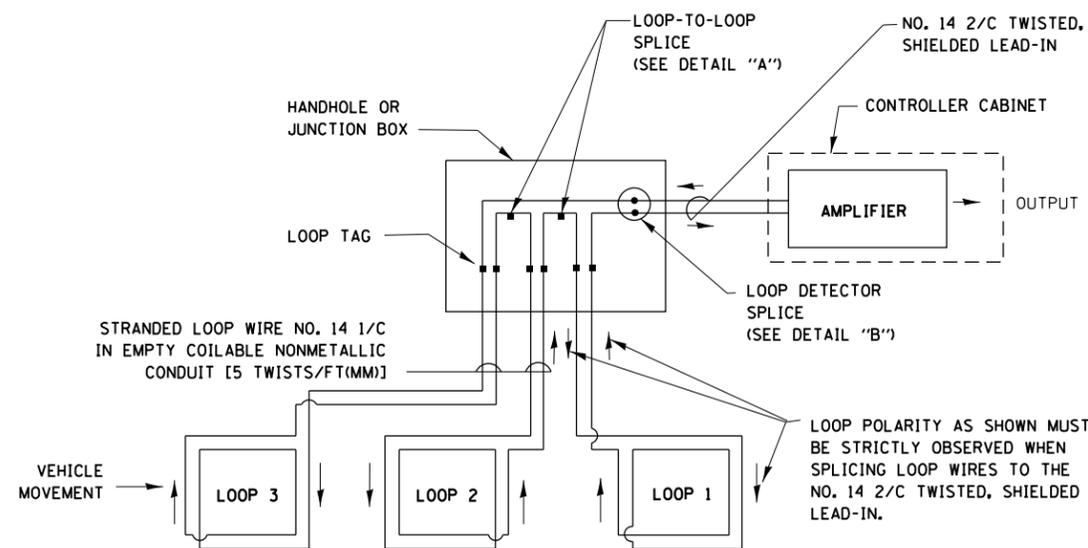
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

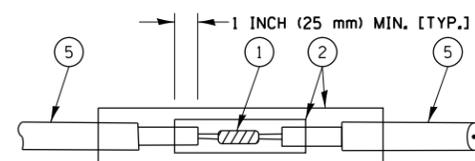


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

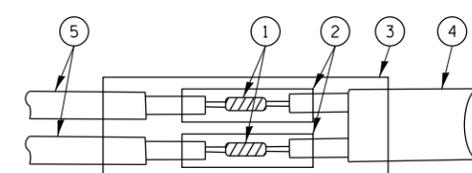


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

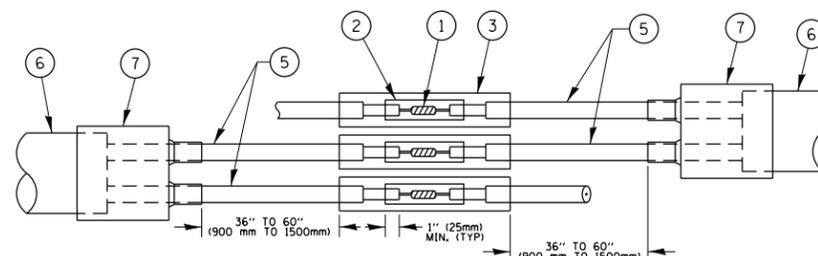


DETAIL "A"
LOOP-TO-LOOP SPLICE

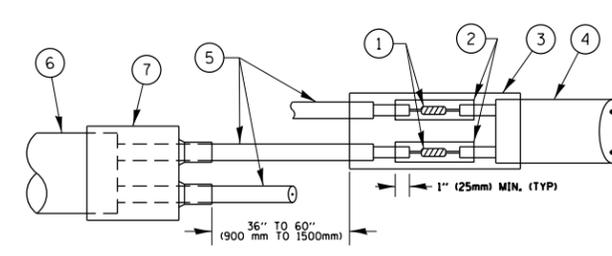


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH, THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- 2 WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3 WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- 6 PRE-FORMED LOOP
- 7 XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO CBR-2 OR APPROVED EQUAL

FILE NAME =	USER NAME = aqeelff	DESIGNED -	REVISED -
p:\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI349\BROWNS\Design\Diststd.dgn		CHECKED -	REVISED -
Default	PLOT DATE = 2/15/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	2016-026RS	WILL	30	30
TS-05		CONTRACT NO. 62C41		
ILLINOIS FED. AID PROJECT				