

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

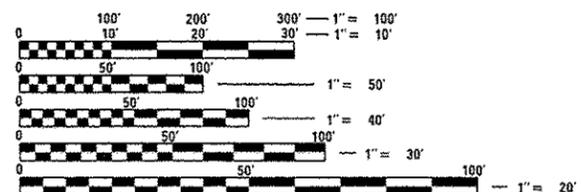
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2820	(144 & 144X) RS	COOK	51	1
		ILLINOIS	CONTRACT NO. 60Y89	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN THE VILLAGES OF FLOSSMOOR, HOMEWOOD, AND OLYMPIA FIELDS

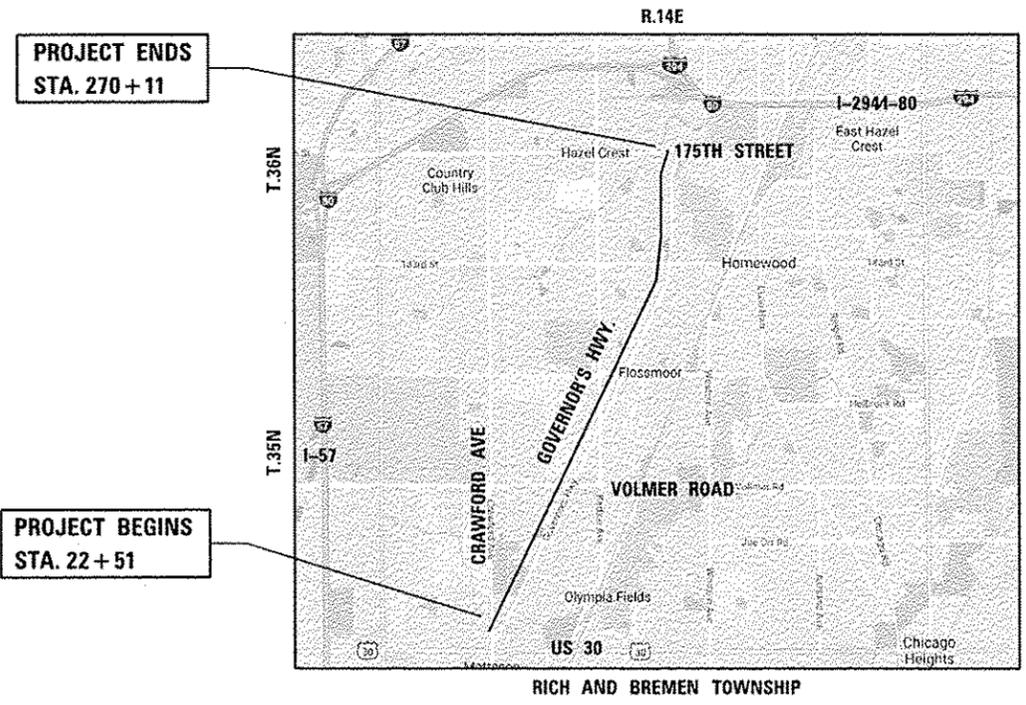
**PROPOSED
HIGHWAY PLANS**

FAU ROUTE 2820: GOVERNORS HIGHWAY
175TH STREET TO CRAWFORD AVENUE
SECTION (144 & 144X) RS
PROJECT : STP-2820(004)
RESURFACING (3P) AND PEDESTRIAN
RAMP IMPROVEMENTS
COOK COUNTY
C-91-033-15



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



AVERAGE DAILY TRAFFIC
2016 = 12,100

POSTED SPEED LIMIT
40 TO 55 MPH

OMMISSIONS OCCUR FROM
STA 24+66 TO STA. 25+85
STA. 97+34 TO STA. 100+85
STA. 130+49 TO STA. 131+94

GROSS LENGTH = 24,760 FT. = 4.689 MILE
NET LENGTH = 24,056 FT. = 4.556 MILE

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

CONTRACT NO. 60Y89

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED February 17 20 17
Maureen M. Addis
REGIONAL ENGINEER

Mar 24 20 17
Maureen M. Addis P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

Mar 24 20 17
Maureen M. Addis
DIRECTOR OF PROGRAM DEVELOPMENT

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

URBAN

URBAN

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED/ 20% STATE				
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	70	70				
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	50	50				
20200100	EARTH EXCAVATION	CU YD	55	55				
21101625	TOPSOIL FURNISH AND PLACE, 6"	SO YD	72	72				
21400100	GRADING AND SHAPING DITCHES	FOOT	16000	16000				
25000210	SEEDING, CLASS 2A	ACRE	1	1				
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	90	90				
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	90	90				
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	90	90				
25200110	SODDING, SALT TOLERANT	SO YD	72	72				
25200200	SUPPLEMENTAL WATERING	UNIT	4	4				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	86082	86082				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	260	260				
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), 1L-4, 75, N50	TON	5358	5358				

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED/ 20% STATE				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	850	850				
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SO YD	143	143				
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	11203	11203				
42001300	PROTECTIVE COAT	SO YD	743	743				
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	4534	4534				
42400800	DETECTABLE WARNINGS	SO FT	441	441				
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	126973	126973				
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	100	100				
44000600	SIDEWALK REMOVAL	SO FT	4135	4135				
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SO YD	934	934				
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SO YD	950	950				
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SO YD	7000	7000				
44213100	PAVEMENT FABRIC	SO YD	350	350				

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URBAN

URBAN

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005 80% FED/ 20% STATE				
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	742	742				
54214503	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 18"	EACH	1	1				
550A4000	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	7	7				
56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	1	1				
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	19	19				
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	50	50				
63200310	GUARDRAIL REMOVAL	FOOT	50	50				
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	51	51				
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1				
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	5	5				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12				
67100100	MOBILIZATION	L SUM	1	1				
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		0005 80% FED/ 20% STATE				
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	LSUM	1	1				
70102634	TRAFFIC CONTROL AND PROTECTION, STANDARD 701611	LSUM	1	1				
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1				
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1	1				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	18360	18360				
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	6120	6120				
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	322	322				
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	67320	67320				
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	3165	3165				
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	375	375				
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	926	926				
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	681	681				
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	9180	9180				

* Specialty Item

FILE NAME : <i>dm\NLD04REB\DMT\EG\11111111\supp\PI\DOT\Documents\DOT</i>	USER NAME : <i>awell1</i>	DESIGNED - <i>DR</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GOVERNORS'S HWY. (175th ST. TO CRAWFORD AVE.) SUMMARY OF QUANTITIES	F.A.U. RTE. : 2820	SECTION : (144 & 144X) RS	COUNTY : COOK	TOTAL SHEETS : 52	SHEET NO. : 4
PLOT SCALE : 100,0000' = 1"	CHECKED -	REVISED -	SCALE:			SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT	CONTRACT NO. 60Y89
PLOT DATE : 2/17/2001	DATE -	REVISED -								

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URBAN

URBAN

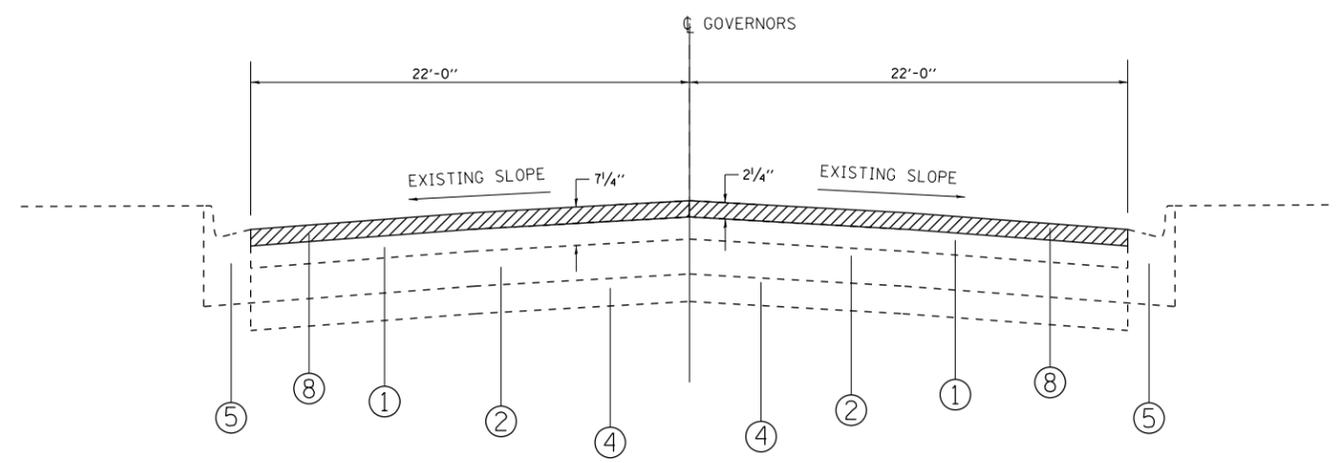
SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED/ 20% STATE				
* 72400310	REMOVE SIGN PANEL - TYPE 1	SO FT	16	16				
* 72400710	RELOCATE SIGN PANEL - TYPE 1	SO FT	16	16				
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	322	322				
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	67320	67320				
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3165	3165				
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	375	375				
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	926	926				
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	681	681				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	3030	3030				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	2260	2260				
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	2700	2700				
89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	4	4				

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED/ 20% STATE				
89502376	REBUILD EXISTING HANDHOLE	EACH	2	2				
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	LSUM	1	1				
X0322936	REMOVE EXISTING FLARED END SECTION	EACH	1	1				
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	371	371				
X4400220	CURB REMOVAL AND REPLACEMENT	FOOT	64	64				
X4403300	CONCRETE MEDIAN REMOVAL	SO FT	120	120				
X5420618	PIPE CULVERTS TO BE CLEANED 18"	FOOT	100	100				
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	20	20				
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	24137	24137				
XZ043900	PREFORMED JOINT FILLER REMOVAL	FOOT	2600	2600				
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	1037	1037				
# Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	35	35				
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	617	617				
* DENOTES SPECIALTY ITEMS								
# NON-PARTICIPATING ITEM (100% STATE)								

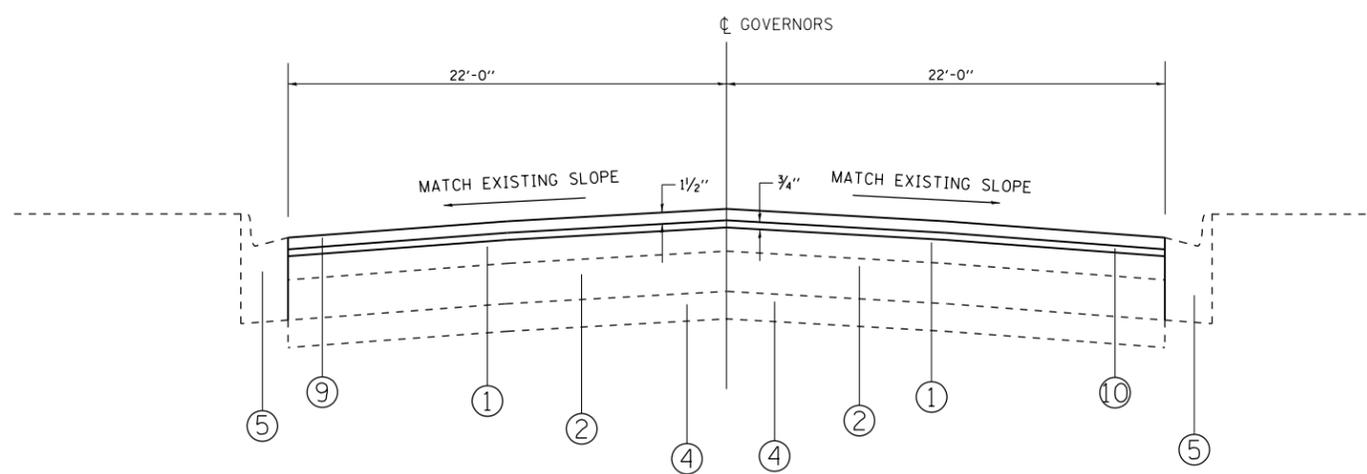
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LEGEND

- ① EXISTING HOT-MIX ASPHALT SURFACE, 4³/₄"(±) AFTER MILLING
- ② EXISTING PCC BASE COURSE, 8"(±)
- ③ EXISTING PCC PAVEMENT, 11"(±)
- ④ EXISTING GRANULAR SUB-BASE, 4"
- ⑤ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑥ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑦ EXISTING AGGREGATE SHOULDER, TYPE B
- ⑧ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2¹/₄"
- ⑨ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N70, (IL-9.5 mm), 1¹/₂"
- ⑩ PROPOSED POLYMERIZED LEVELING BINDER (MM) IL-4.75, N50, ³/₄"
- ⑪ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑫ PROPOSED GRADING AND SHAPING SHOULDERS
- ⑬ PROPOSED PCC SURFACE REMOVAL (VARIABLE DEPTH)



EXISTING TYPICAL SECTION
STATION:
68+00 TO 71+00
152+42 TO 165+11



PROPOSED TYPICAL SECTION
STATION:
68+00 TO 71+00
152+42 TO 165+11

NOTE: THE CONTRACTOR SHALL MILL FIRST, BEFORE PATCH.

HOT MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE USES	DESIGN AIR VOIDS	QMP
HMA SURFACE COURSE, MIX "D", N 70, (IL-9.5mm), 1 ¹ / ₂ "	4% @ 70 GYR	PFP
POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, ³ / ₄ "	3.5% @ 50 GYR	QCP
CLASS "D" PATCHES, 13" (HMA BINDER IL-19mm)	4% @ 70 GYR	QC/QA

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

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

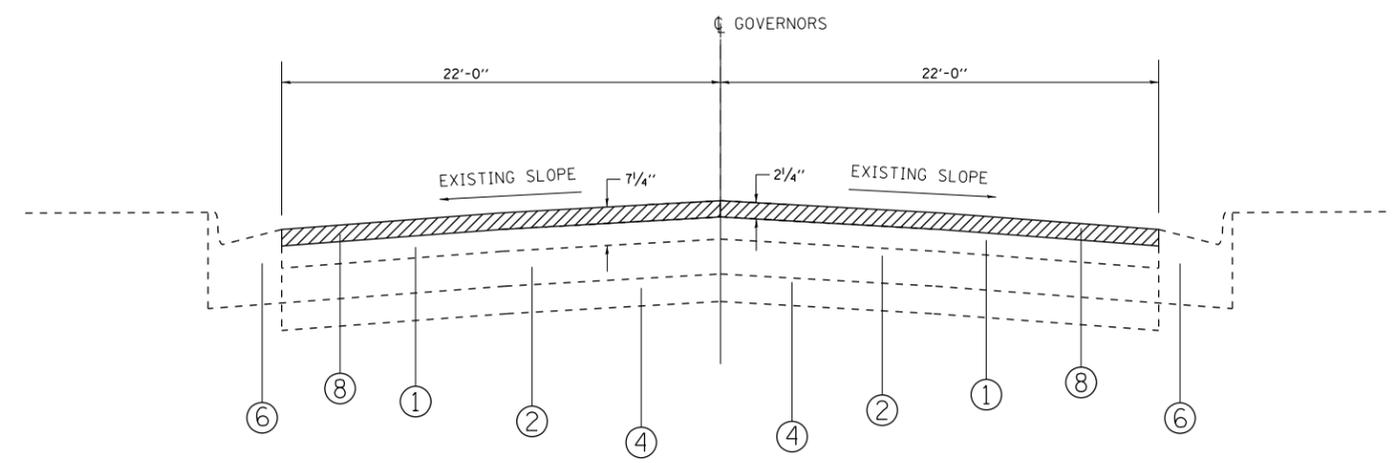
AC TYPE NOTE
THE AC TYPE FOR POLYMERIZED HMA MIX SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE AC TYPE SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

FOR USE OF RECYCLED MATERIALS, SEE SPECIAL PROVISIONS.

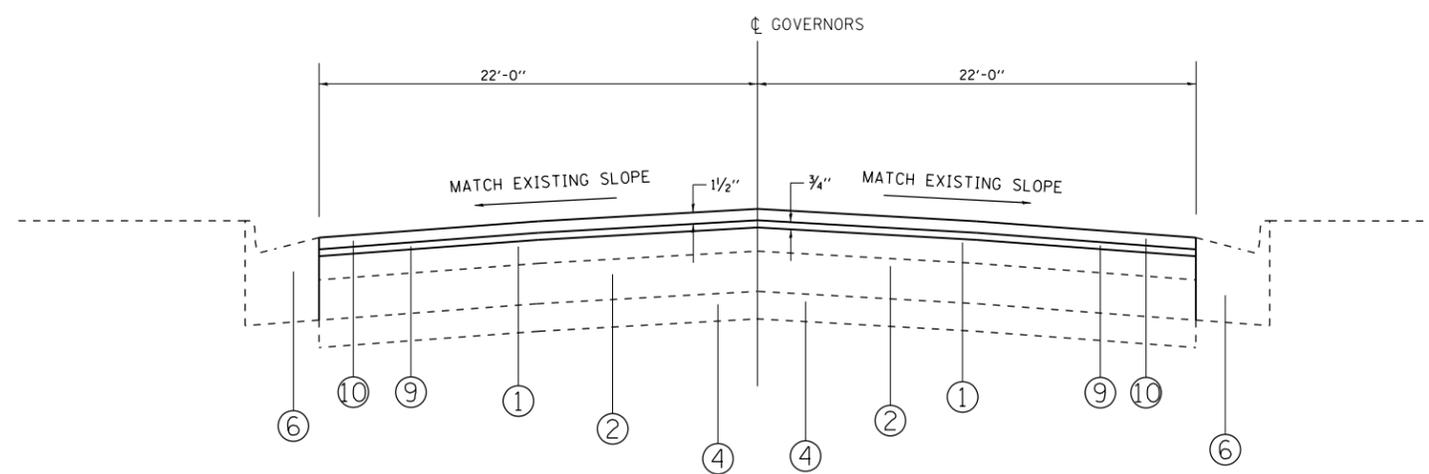
QMP NOTE
"QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE"

LEGEND

- ① EXISTING HOT-MIX ASPHALT SURFACE, 4³/₄"(±) AFTER MILLING
- ② EXISTING PCC BASE COURSE, 8"(±)
- ③ EXISTING PCC PAVEMENT, 11"(±)
- ④ EXISTING GRANULAR SUB-BASE, 4"
- ⑤ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
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- ⑧ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2¹/₄"
- ⑨ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N70, (IL-9.5 mm), 1¹/₂"
- ⑩ PROPOSED POLYMERIZED LEVELING BINDER (MM) IL-4.75, N50, ³/₄"
- ⑪ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
- ⑫ PROPOSED GRADING AND SHAPING SHOULDERS
- ⑬ PROPOSED PCC SURFACE REMOVAL (VARIABLE DEPTH)



EXISTING TYPICAL SECTION
STATION:
127+00 TO 135+46
209+43 TO 223+87

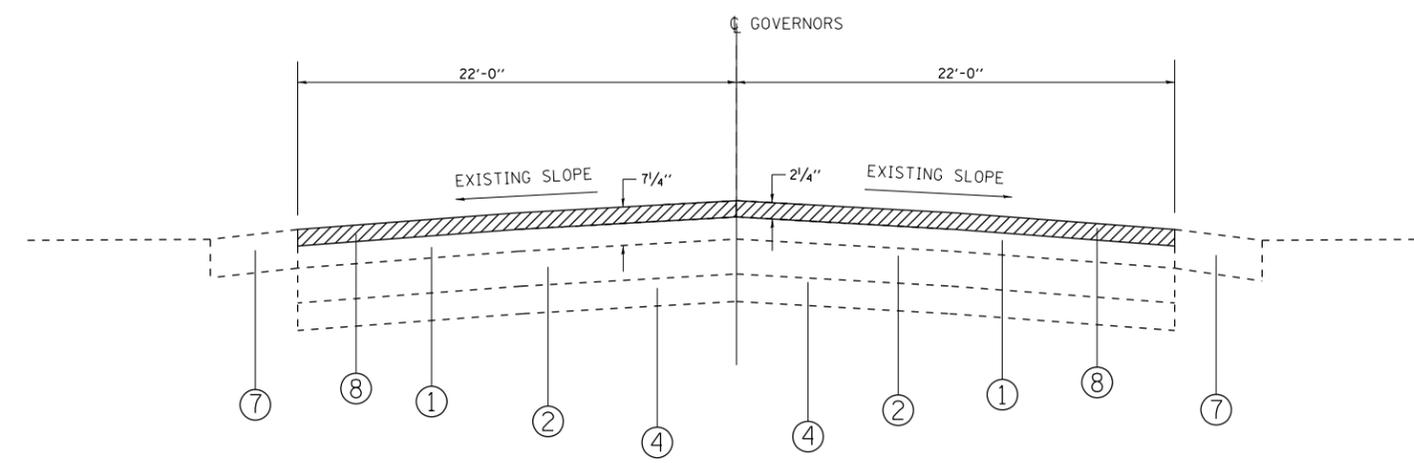


PROPOSED TYPICAL SECTION
STATION:
127+00 TO 135+46
209+43 TO 223+87

FILE NAME =	USER NAME = bauerdl	DESIGNED - FFA 7-20-09	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GOVERNORS HIGHWAY EXISTING AND PROPOSED TYPICAL SECTIONS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT SCALE = 100.0000' / 1in.					CHECKED -				CONTRACT NO. 60Y89				
PLOT DATE = 2/15/2017					DATE -				ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET NO. 2 OF 4 SHEETS	STA. TO STA.						

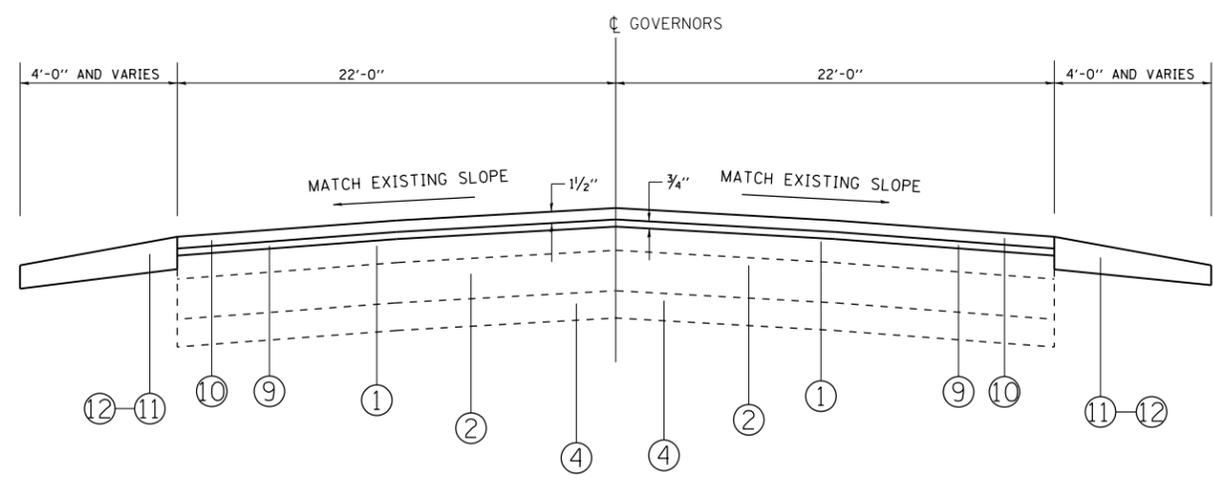
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- ① EXISTING HOT-MIX ASPHALT SURFACE, 4³/₄"(±) AFTER MILLING
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- ⑫ PROPOSED GRADING AND SHAPING SHOULDERS
- ⑬ PROPOSED PCC SURFACE REMOVAL (VARIABLE DEPTH)



EXISTING TYPICAL SECTION
STATION:

22+51 TO 68+00
71+00 TO 127+00
135+46 TO 151+42
165+11 TO 209+43
223+87 TO 256+90



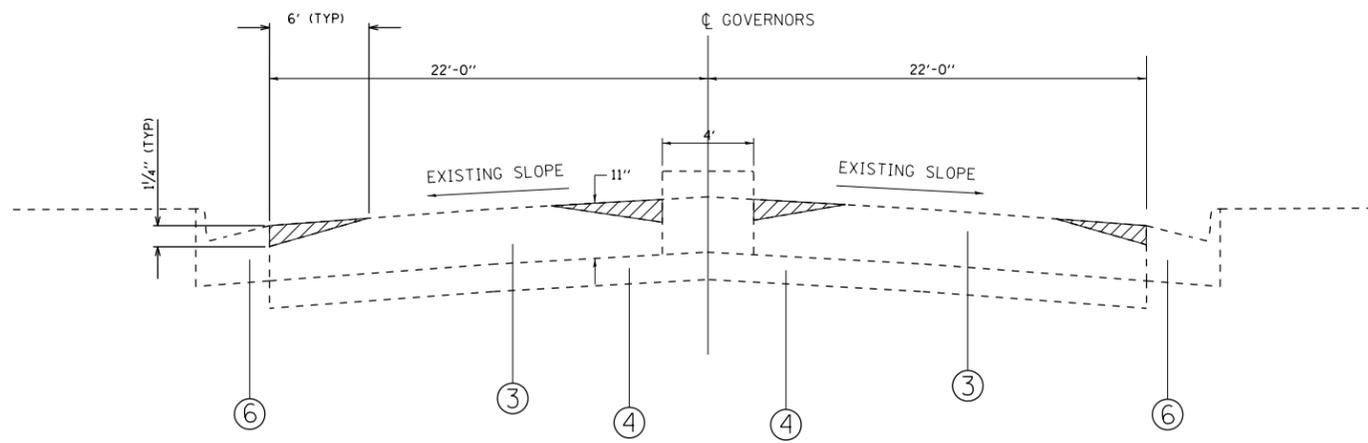
PROPOSED TYPICAL SECTION
STATION:

22+51 TO 68+00
71+00 TO 127+00
135+46 TO 151+42
165+11 TO 209+43
223+87 TO 256+90

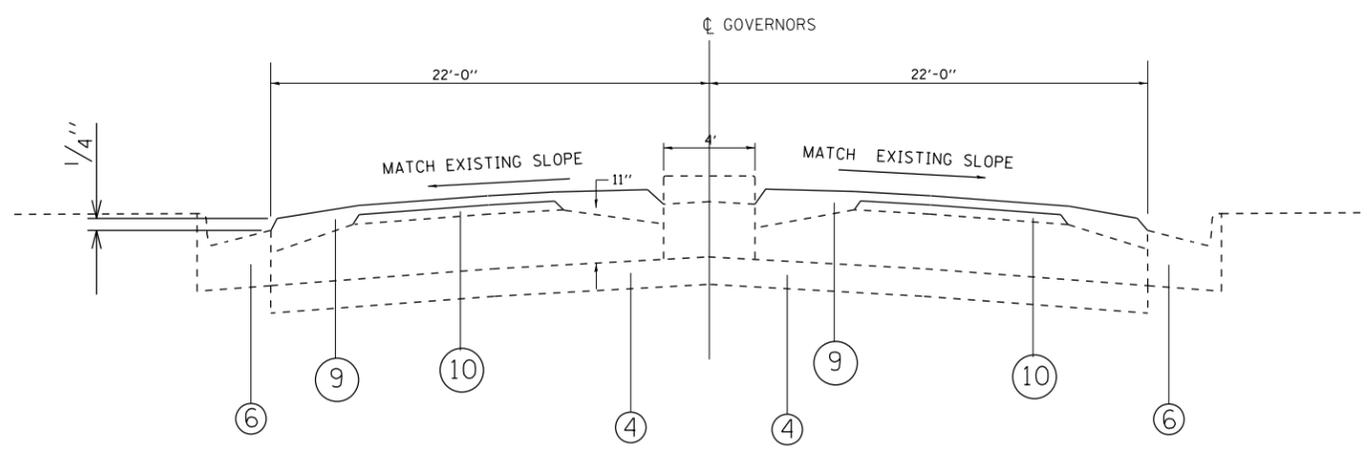
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p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI0335\Drawings\Design\DI0335-sh-typical.dgn			REVISED -		SCALE:	SHEET NO. 3 OF 4 SHEETS	STA. TO STA.	2820	(144 & 144X) RS	COOK	52	8
			REVISED -					CONTRACT NO. 60Y89				
			REVISED -		ILLINOIS FED. AID PROJECT							

LEGEND

- ① EXISTING HOT-MIX ASPHALT SURFACE, 4³/₄"(±) AFTER MILLING
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- ⑨ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "D" N70, (IL-9.5 mm), 1¹/₂"
- ⑩ PROPOSED POLYMERIZED LEVELING BINDER (MM) IL-4.75, N50, ³/₄"
- ⑪ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
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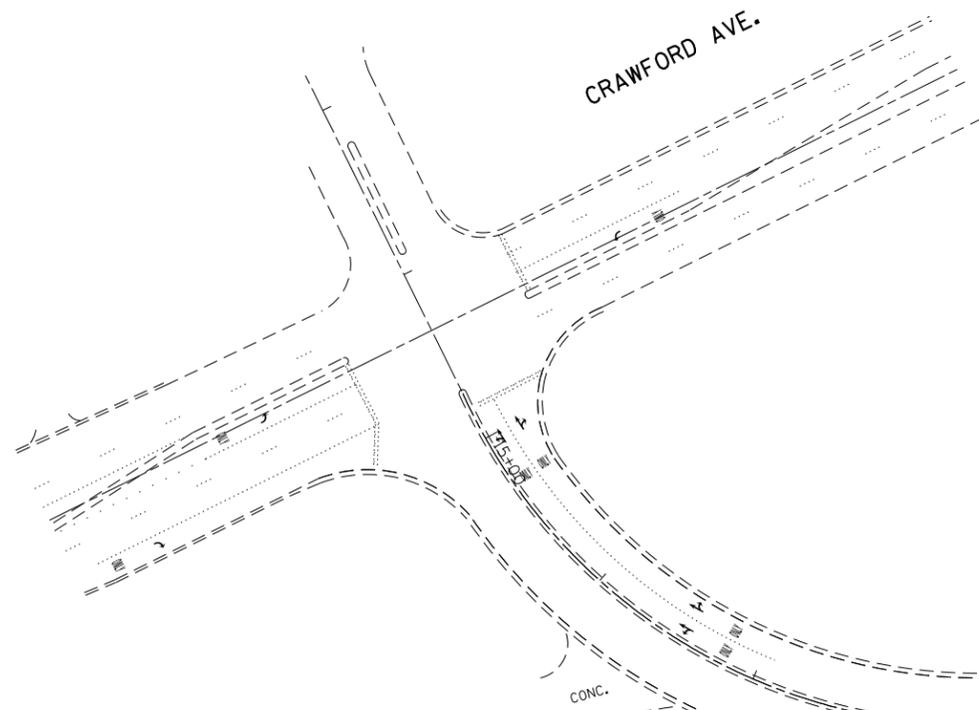


EXISTING & PROPOSED TYPICAL SECTION
 STATION:
 256+90 TO 270+11
 CORRUGATED CONCRETE MEDIAN
 4' WIDE 851' LENGTH
 STATION:
 258+97 TO 267+48
 RAISED MEDIAN
 258' LENGTH
 STATION:
 267+48 TO 270+11



EXISTING & PROPOSED TYPICAL SECTION
 STATION:
 256+90 TO 270+11

FILE NAME =	USER NAME = bauerdl	DESIGNED - FFA 7-20-09	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GOVERNORS HIGHWAY EXISTING AND PROPOSED TYPICAL SECTIONS	F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI03315\Drawings\Design\DI03315-sh-typical.dgn		REVISIONS				2820	(144 & 144X) RS	COOK	52	9
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISIONS				CONTRACT NO. 60Y89				
PLOT DATE = 2/15/2017	DATE -	REVISIONS				SCALE:	SHEET NO. 4 OF 4 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	



*SIDEStreETS:
-RESURFACING LIMITS ARE TO RADIUS
RETURNS WITH 4.5' BUTT JOINTS

GOVERNORS HWY.

**PROJECT BEGINS
STA. 22 + 51**

PROP. HMA SURF. REM., 2/4"
PROP. HMA SURF. COURSE MIX "D" N70, (IL-9.5 mm), 1 1/2"
POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"

OMMISSION FROM
STA. 24+66 TO STA. 25+85

PROP. HMA SURF. REM., 2/4"
PROP. HMA SURF. COURSE MIX "D" N70, (IL-9.5 mm), 1 1/2"
POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"

NO CURB & GUTTER
STA. 22+51 TO STA. 68+00

PROP. AGG. WEDGE SHLDRS., TYPE B
PROP. GRADING AND SHAPING SHLDRS.

SN: 016-2679

PROPOSED 4.5 FT.
BUTT JOINT (TYP)

PROPOSED 4.5 FT.
BUTT JOINT (TYP)

LEGEND

- ① THPL. PAV'T LINE MK LINE, 4" DOUBLE SOLID YELLOW, CENTERLINE, 11" C-C
- ② THPL. PAV'T LINE MK LINE, 4" SOLID WHITE, EDGE LINE
- ③ THPL. PAV'T LINE MK LINE, 6" SOLID WHITE, TURN LANE LINE
- ④ THPL. PAV'T LINE MK LINE, 4" SKIP DASH WHITE LINE, 10' LINE WITH 30' SPACE
- ⑤ THPL. PAV'T LINE MK LINE, 24" SOLID WHITE, STOP BAR
- ⑥ THPL. PAV'T LINE MK LINE, 6" 6" SKIP-DASH WHITE LINE, 2' LINE WITH 6' SPACE
- ⑦ THPL. PAV'T LINE MK LINE SOLID WHITE, LETTERS AND SYMBOLS
- ⑧ THPL. PAV'T LINE MK LINE, 12" SOLID YELLOW DIAGONALS, AT 45° - 20' C-C (MIN. 5)
- ⑨ THPL. PAV'T LINE MK LINE, 12" SOLID WHITE LINE, 6' DASH AND 2' SPACE, SCHOOL CROSSING
- ⑩ THPL. PAV'T LINE MK LINE, 6" SOLID WHITE, CROSSWALK, 6' C-C
- ⑪ THPL. PAV'T LINE MK LINE, 8" SOLID WHITE, ISLAND LINE

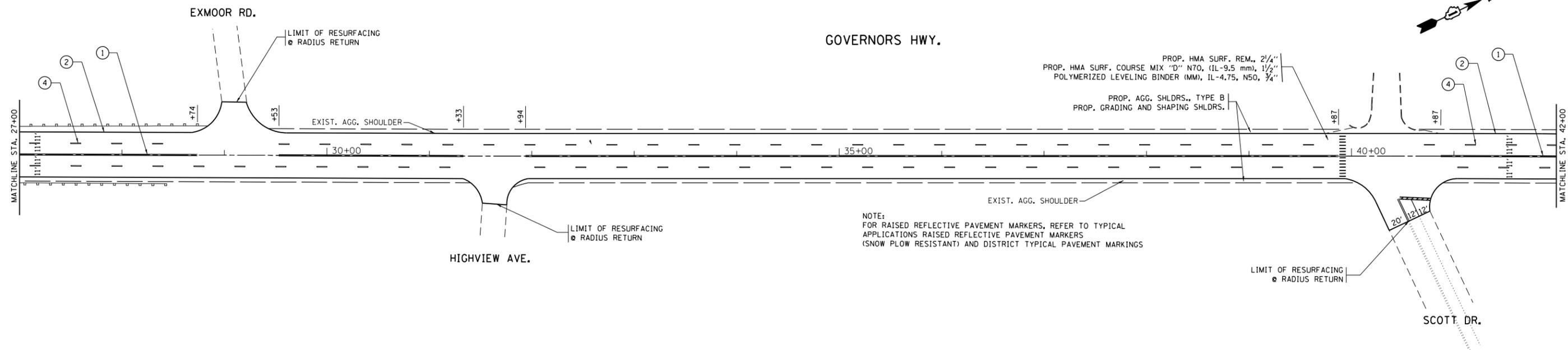
NOTE:
FOR RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT) AND DISTRICT TYPICAL PAVEMENT MARKINGS

GOVERNORS HWY.

PROP. HMA SURF. REM., 2/4"
PROP. HMA SURF. COURSE MIX "D" N70, (IL-9.5 mm), 1 1/2"
POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"

PROP. AGG. SHLDRS., TYPE B
PROP. GRADING AND SHAPING SHLDRS.

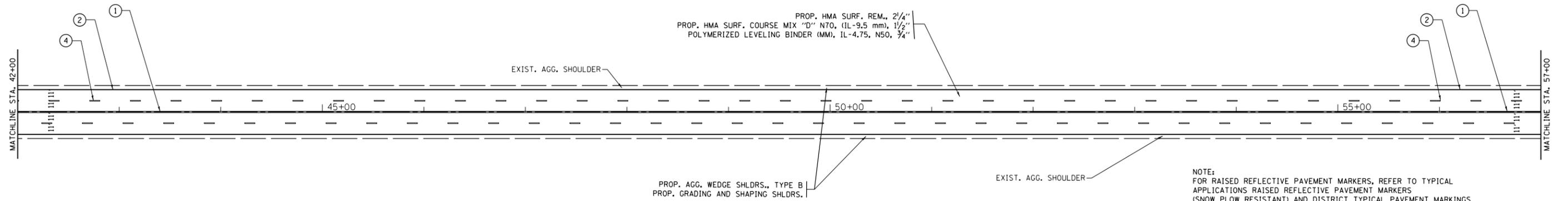
NOTE:
FOR RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT) AND DISTRICT TYPICAL PAVEMENT MARKINGS



FILE NAME =	USER NAME = bauerdl	DESIGNED - FFA 7-20-09	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLAN GOVERNORS HWY. (CRAWFORD AVE. - 175th ST.)	F.A.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBID\INTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI0335\Drawings\Design\DI0335-sh1-plan.dgn	DRWN	CHECKED -	REVISED -			2820	(144 & 144X) RS	COOK	52	10	
PLOT SCALE = 100.0000' / in.		DATE -	REVISED -			CONTRACT NO. 60Y89					
PLOT DATE = 2/15/2017						ILLINOIS FED. AID PROJECT					

•SIDEStreETS:
-RESURFACING LIMITS ARE TO RADIUS
RETURNS WITH 4.5' BUTT JOINTS

GOVERNORS HWY.

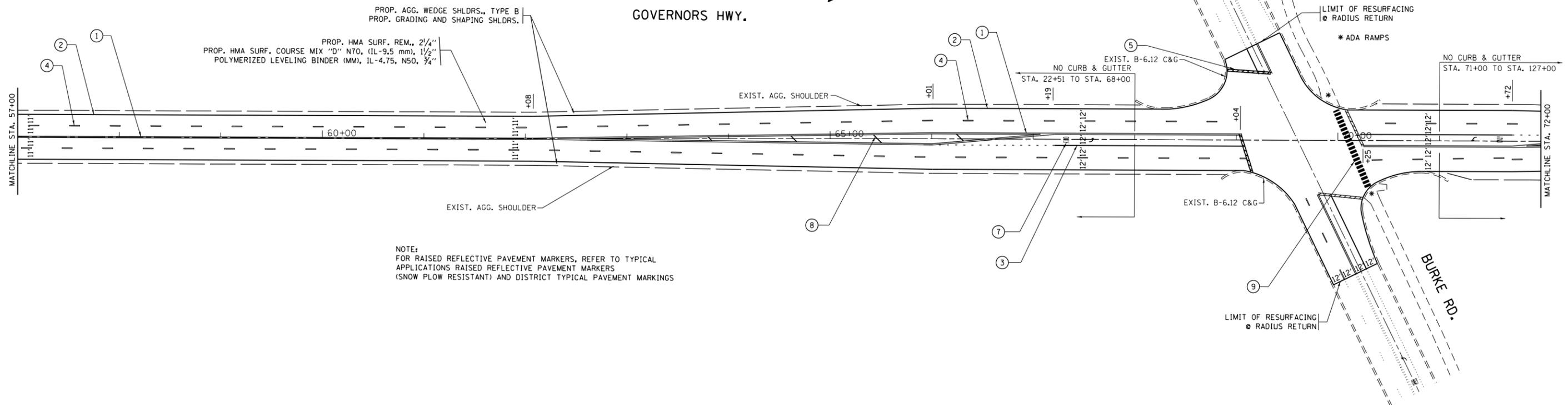


LEGEND

- | | |
|--|--|
| ① THPL. PAV'T LINE MK LINE, 4"
DOUBLE SOLID YELLOW, CENTERLINE, 11" C-C | ⑦ THPL. PAV'T LINE MK LINE
SOLID WHITE, LETTERS AND SYMBOLS |
| ② THPL. PAV'T LINE MK LINE, 4"
SOLID WHITE, EDGE LINE | ⑧ THPL. PAV'T LINE MK LINE, 12"
SOLID YELLOW DIAGONALS, AT 45° - 20' C-C (MIN. 5) |
| ③ THPL. PAV'T LINE MK LINE, 6"
SOLID WHITE, TURN LANE LINE | ⑨ THPL. PAV'T LINE MK LINE, 12"
SOLID WHITE LINE, 6' DASH AND 2' SPACE, SCHOOL CROSSING |
| ④ THPL. PAV'T LINE MK LINE, 4"
SKIP DASH WHITE LINE, 10' LINE WITH 30' SPACE | ⑩ THPL. PAV'T LINE MK LINE, 6"
SOLID WHITE, CROSSWALK, 6' C-C |
| ⑤ THPL. PAV'T LINE MK LINE, 24"
SOLID WHITE, STOP BAR | ⑪ THPL. PAV'T LINE MK LINE, 8"
SOLID WHITE, ISLAND LINE |
| ⑥ THPL. PAV'T LINE MK LINE, 6"
6" SKIP-DASH WHITE LINE, 2' LINE WITH 6' SPACE | |

NOTE:
FOR RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO TYPICAL
APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
(SNOW PLOW RESISTANT) AND DISTRICT TYPICAL PAVEMENT MARKINGS

GOVERNORS HWY.



NOTE:
FOR RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO TYPICAL
APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
(SNOW PLOW RESISTANT) AND DISTRICT TYPICAL PAVEMENT MARKINGS

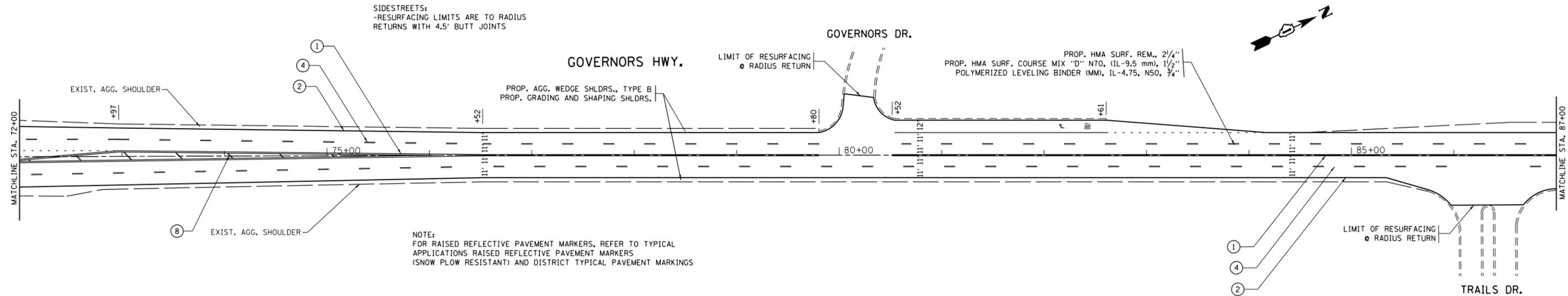
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PLOT SCALE = 100.0000' / in.	CHECKED -		REVISED -
PLOT DATE = 2/15/2017	DATE -		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY AND PAVEMENT MARKING PLAN
GOVERNORS HWY. (CRAWFORD AVE. - 175th ST.)

SCALE: 1"=50' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2820	(144 & 144X) RS	COOK	52	11
CONTRACT NO. 60Y89				
ILLINOIS FED. AID PROJECT				

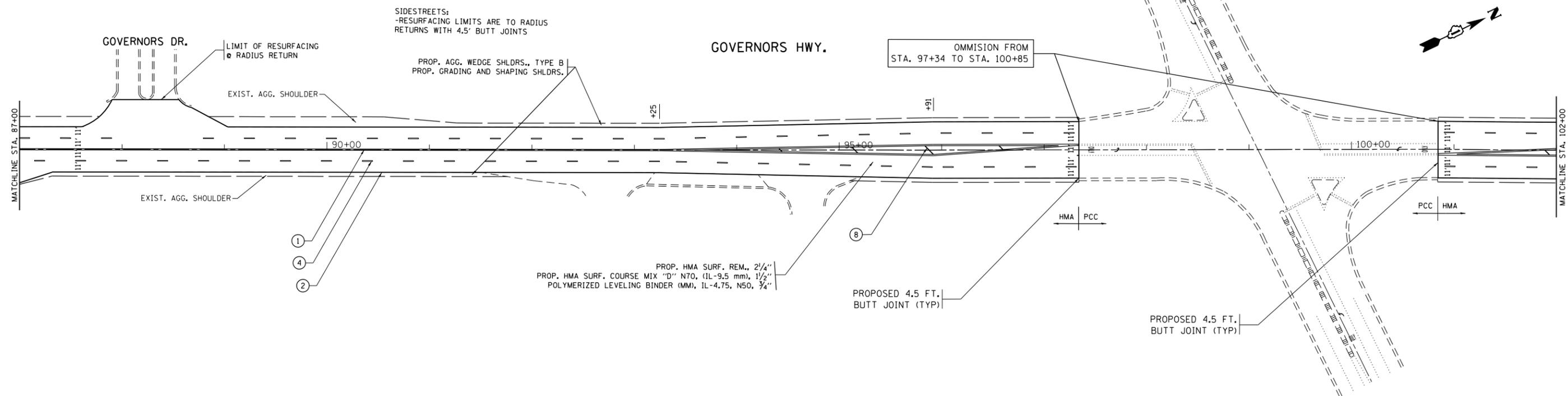


LEGEND

- ① THPL. PAV'T LINE MK LINE, 4" DOUBLE SOLID YELLOW, CENTERLINE, 11" C-C
- ② THPL. PAV'T LINE MK LINE, 4" SOLID WHITE, EDGE LINE
- ③ THPL. PAV'T LINE MK LINE, 6" SOLID WHITE, TURN LANE LINE
- ④ THPL. PAV'T LINE MK LINE, 4" SKIP DASH WHITE LINE, 10' LINE WITH 30' SPACE
- ⑤ THPL. PAV'T LINE MK LINE, 24" SOLID WHITE, STOP BAR
- ⑥ THPL. PAV'T LINE MK LINE, 6" 6" SKIP-DASH WHITE LINE, 2' LINE WITH 6' SPACE
- ⑦ THPL. PAV'T LINE MK LINE SOLID WHITE, LETTERS AND SYMBOLS
- ⑧ THPL. PAV'T LINE MK LINE, 12" SOLID YELLOW DIAGONALS, AT 45° - 20' C-C (MIN. 5)
- ⑨ THPL. PAV'T LINE MK LINE, 12" SOLID WHITE LINE, 6' DASH AND 2' SPACE, SCHOOL CROSSING
- ⑩ THPL. PAV'T LINE MK LINE, 6" SOLID WHITE, CROSSWALK, 6' C-C
- ⑪ THPL. PAV'T LINE MK LINE, 8" SOLID WHITE, ISLAND LINE

SIDESTREETS:
-RESURFACING LIMITS ARE TO RADIUS RETURNS WITH 4.5' BUTT JOINTS

NOTE:
FOR RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT) AND DISTRICT TYPICAL PAVEMENT MARKINGS



SIDESTREETS:
-RESURFACING LIMITS ARE TO RADIUS RETURNS WITH 4.5' BUTT JOINTS

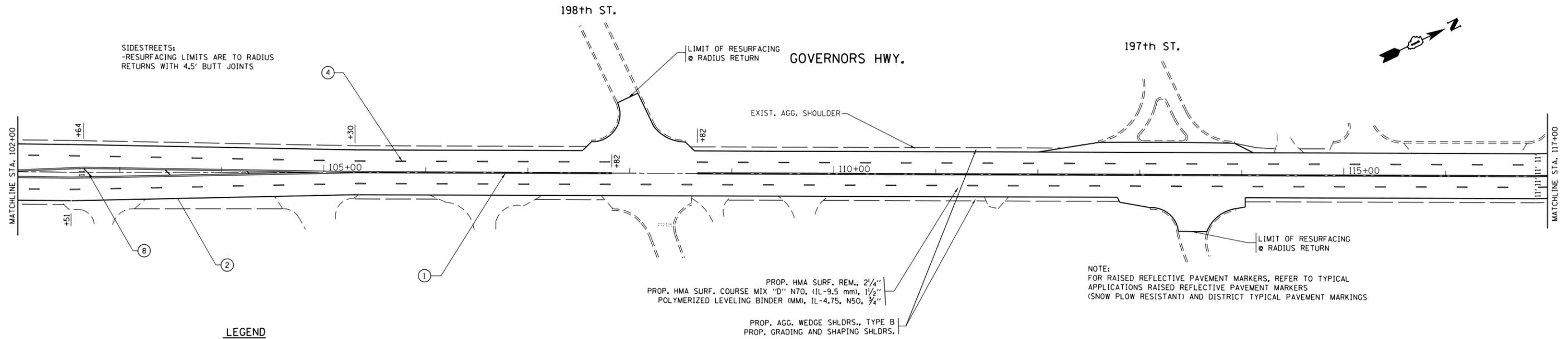
OMMISION FROM
STA. 97+34 TO STA. 100+85

PROP. HMA SURF. REM., 2 1/4"
PROP. HMA SURF. COURSE MIX "D" N70, (IL-9.5 mm), 1 1/2"
POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"

PROPOSED 4.5 FT.
BUTT JOINT (TYP)

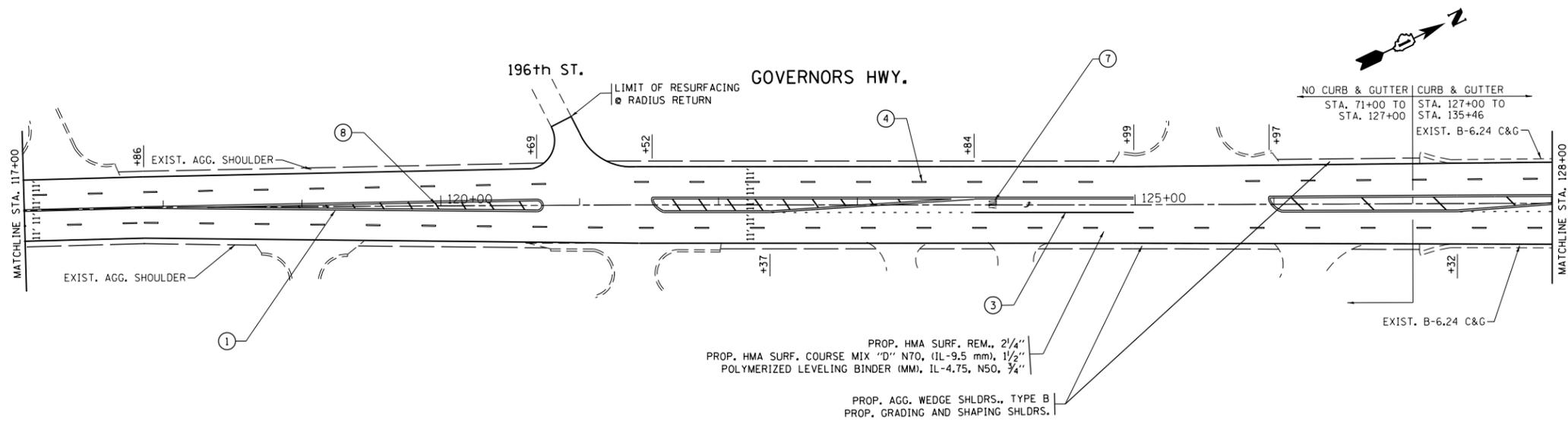
PROPOSED 4.5 FT.
BUTT JOINT (TYP)

FILE NAME =	USER NAME = bauerdl	DESIGNED - FFA 7-20-09	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLAN GOVERNORS HWY. (CRAWFORD AVE. - 175th ST.)	F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\1\084EBIDINTEG.illinois.gov\PIWID\Documents\DOT Offices\District 1\Projects\DI0335\Design\DI0335-sh-t-plen.dgn	DRWN	DATE	REVISED -			2820	(144 & 144X) RS	COOK	52	12	
PLOT SCALE = 100.0000' / in.	CHECKED -	DATE	REVISED -			CONTRACT NO. 60Y89					
PLOT DATE = 2/15/2017	DATE	REVISED -	ILLINOIS FED. AID PROJECT								
					SCALE: 1"=50'	SHEET NO.	OF SHEETS	STA.	TO STA.		

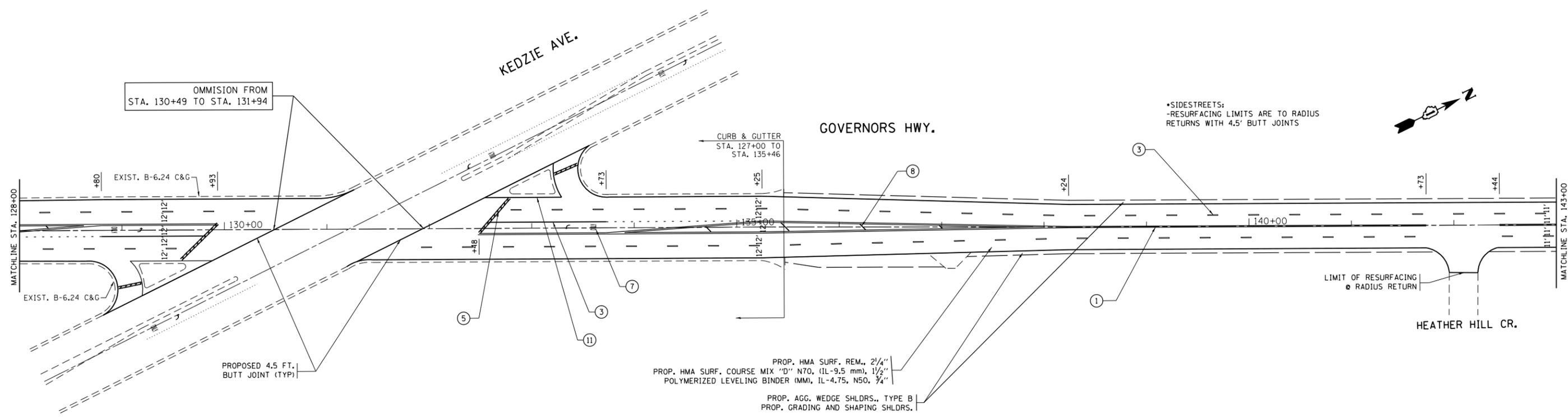


LEGEND

- ① THPL. PAV'T LINE MK LINE, 4" DOUBLE SOLID YELLOW, CENTERLINE, 11" C-C
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- ⑥ THPL. PAV'T LINE MK LINE, 6" 6" SKIP-DASH WHITE LINE, 2' LINE WITH 6' SPACE
- ⑦ THPL. PAV'T LINE MK LINE SOLID WHITE, LETTERS AND SYMBOLS
- ⑧ THPL. PAV'T LINE MK LINE, 12" SOLID YELLOW DIAGONALS, AT 45° - 20' C-C (MIN. 5)
- ⑨ THPL. PAV'T LINE MK LINE, 12" SOLID WHITE LINE, 6' DASH AND 2' SPACE, SCHOOL CROSSING
- ⑩ THPL. PAV'T LINE MK LINE, 4" SOLID WHITE, CROSSWALK, 6' C-C
- ⑪ THPL. PAV'T LINE MK LINE, 8" SOLID WHITE, ISLAND LINE



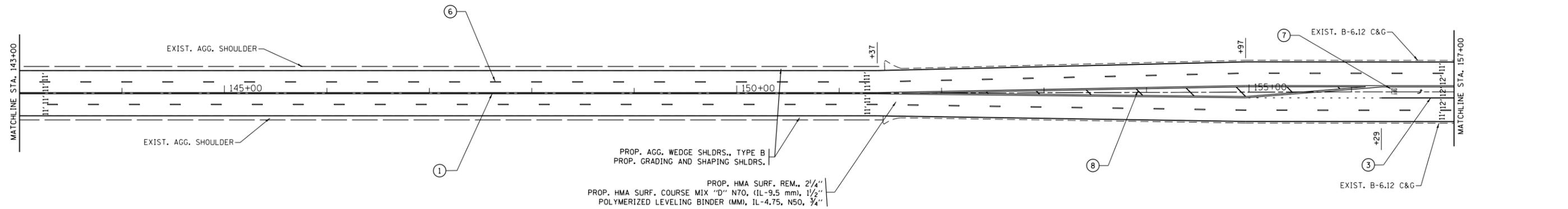
FILE NAME =	USER NAME = bauerdl	DESIGNED - FFA 7-20-09	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLAN GOVERNORS HWY. (CRAWFORD AVE. - 175th ST.)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
pw:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI03315\Design\DI03315-sh-t-plan.dgn						2820	(144 & 144X) RS	COOK	52	13		
PLOT SCALE = 100.0000' / in.						CONTRACT NO. 60Y89						
PLOT DATE = 2/15/2017						ILLINOIS FED. AID PROJECT						



LEGEND

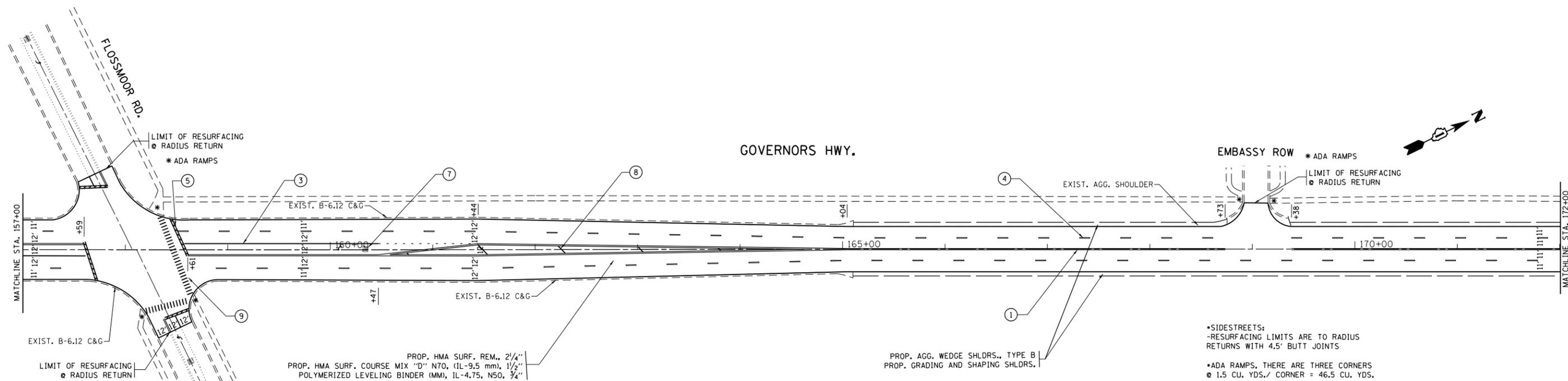
- | | |
|---|---|
| ① THPL. PAV'T LINE MK LINE, 4" DOUBLE SOLID YELLOW, CENTERLINE, 11" C-C | ⑦ THPL. PAV'T LINE MK LINE SOLID WHITE, LETTERS AND SYMBOLS |
| ② THPL. PAV'T LINE MK LINE, 4" SOLID WHITE, EDGE LINE | ⑧ THPL. PAV'T LINE MK LINE, 12" SOLID YELLOW DIAGONALS, AT 45° - 20' C-C (MIN. 5) |
| ③ THPL. PAV'T LINE MK LINE, 6" SOLID WHITE, TURN LANE LINE | ⑨ THPL. PAV'T LINE MK LINE, 12" SOLID WHITE LINE, 6' DASH AND 2' SPACE, SCHOOL CROSSING |
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| ⑤ THPL. PAV'T LINE MK LINE, 24" SOLID WHITE, STOP BAR | ⑪ THPL. PAV'T LINE MK LINE, 8" SOLID WHITE, ISLAND LINE |
| ⑥ THPL. PAV'T LINE MK LINE, 6" 6" SKIP-DASH WHITE LINE, 2' LINE WITH 6' SPACE | |

GOVERNORS HWY.



NOTE:
FOR RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT) AND DISTRICT TYPICAL PAVEMENT MARKINGS

FILE NAME =	USER NAME = bauerdl	DESIGNED - FFA 7-20-09	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLAN GOVERNORS HWY. (CRAWFORD AVE. - 175th ST.)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI03315\Design\DI03315-sh1-plan.dgn						2820	(144 & 144X) RS	COOK	52	14	
PLOT SCALE = 100.0000' / in.						CHECKED -	REVISED -	CONTRACT NO. 60Y89			
PLOT DATE = 2/15/2017						DATE -	REVISED -	ILLINOIS FED. AID PROJECT			
SCALE: 1"=50'						SHEET NO.	OF SHEETS	STA.	TO STA.		

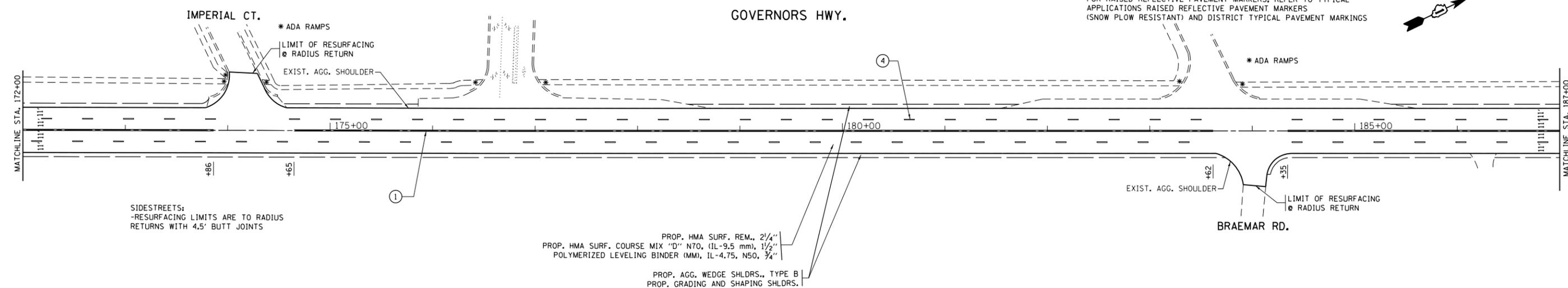


•SIDESTREETS:
-RESURFACING LIMITS ARE TO RADIUS RETURNS WITH 4.5' BUTT JOINTS

•ADA RAMPS, THERE ARE THREE CORNERS
@ 1.5 CU. YDS./ CORNER = 46.5 CU. YDS.

LEGEND

- ① THPL. PAV'T LINE MK LINE, 4" DOUBLE SOLID YELLOW, CENTERLINE, 11" C-C
- ② THPL. PAV'T LINE MK LINE, 4" SOLID WHITE, EDGE LINE
- ③ THPL. PAV'T LINE MK LINE, 6" SOLID WHITE, TURN LANE LINE
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- ⑦ THPL. PAV'T LINE MK LINE SOLID WHITE, LETTERS AND SYMBOLS
- ⑧ THPL. PAV'T LINE MK LINE, 12" SOLID YELLOW DIAGONALS, AT 45° - 20' C-C (MIN. 5)
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- ⑩ THPL. PAV'T LINE MK LINE, 6" SOLID WHITE, CROSSWALK, 6' C-C
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•SIDESTREETS:
-RESURFACING LIMITS ARE TO RADIUS RETURNS WITH 4.5' BUTT JOINTS

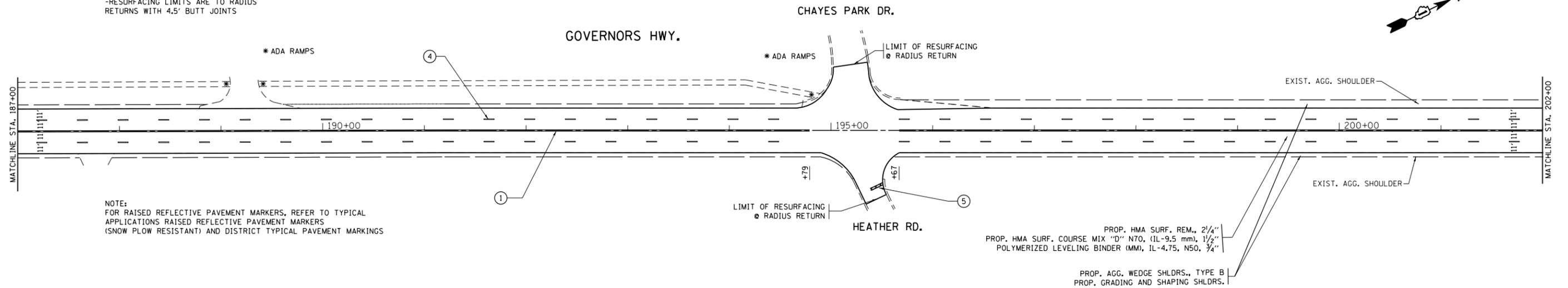
NOTE:
FOR RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT) AND DISTRICT TYPICAL PAVEMENT MARKINGS

PROP. HMA SURF. REM., 2 1/4"
PROP. HMA SURF. COURSE MIX "D" N70, (IL-9.5 mm), 1 1/2"
POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"

PROP. AGG. WEDGE SHLDRS., TYPE B
PROP. GRADING AND SHAPING SHLDRS.

FILE NAME =	USER NAME = bauerdl	DESIGNED - FFA 7-20-09	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLAN GOVERNORS HWY. (CRAWFORD AVE. - 175th ST.)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
						2820	(144 & 144X) RS	COOK	52	15	
						CONTRACT NO. 60Y89					
						ILLINOIS FED. AID PROJECT					
PLOT SCALE = 100.0000' / in.		CHECKED -		REVISED -		SCALE: 1"=50'		SHEET NO. OF SHEETS		STA. TO STA.	
PLOT DATE = 2/15/2017		DATE -		REVISED -							

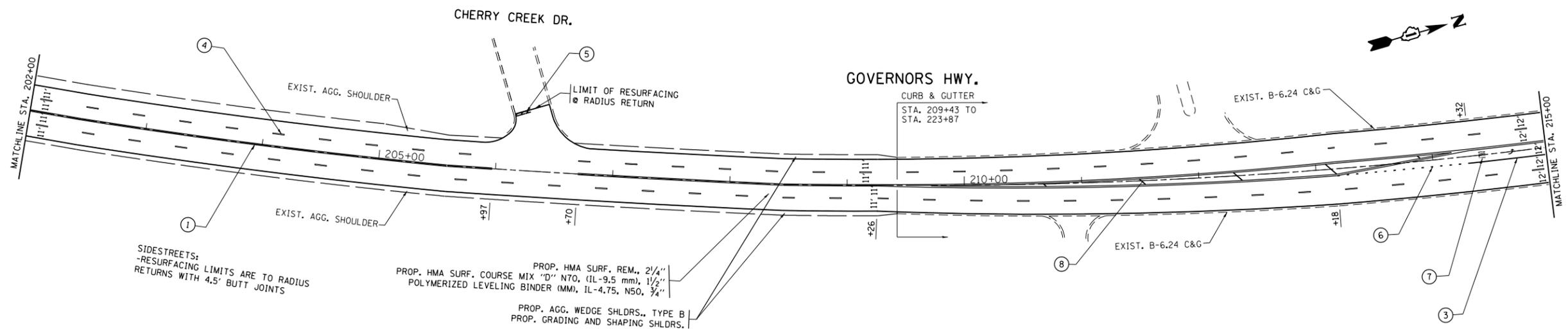
•SIDESTREETS:
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APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
(SNOW PLOW RESISTANT) AND DISTRICT TYPICAL PAVEMENT MARKINGS

LEGEND

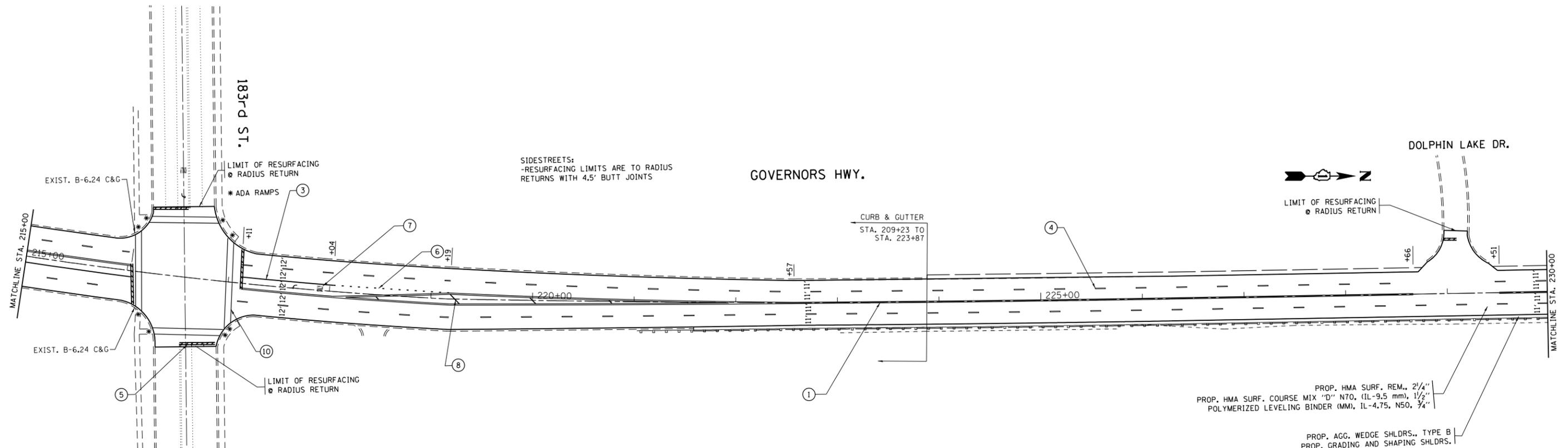
- | | |
|--|--|
| ① THPL. PAV'T LINE MK LINE, 4"
DOUBLE SOLID YELLOW, CENTERLINE, 11" C-C | ⑦ THPL. PAV'T LINE MK LINE
SOLID WHITE, LETTERS AND SYMBOLS |
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SOLID WHITE, EDGE LINE | ⑧ THPL. PAV'T LINE MK LINE, 12"
SOLID YELLOW DIAGONALS, AT 45° - 20' C-C (MIN. 5) |
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SKIP DASH WHITE LINE, 10' LINE WITH 30' SPACE | ⑩ THPL. PAV'T LINE MK LINE, 6"
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6" SKIP-DASH WHITE LINE, 2' LINE WITH 6' SPACE | |



SIDESTREETS:
-RESURFACING LIMITS ARE TO RADIUS
RETURNS WITH 4.5' BUTT JOINTS

PROP. HMA SURF. REM., 2 1/4"
PROP. HMA SURF. COURSE MIX "D" N70, (IL-9.5 mm), 1 1/2"
POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
PROP. AGG. WEDGE SHLDRS., TYPE B
PROP. GRADING AND SHAPING SHLDRS.

FILE NAME =	USER NAME = bauerdl	DESIGNED - FFA 7-20-09	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLAN GOVERNORS HWY. (CRAWFORD AVE. - 175th ST.)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI0333\Drawings\Design\DI03335-shr-plan.dgn						2820	(144 & 144X) RS	COOK	52	16	
PLOT SCALE = 100.0000' / in.						CHECKED -	REVISED -	CONTRACT NO. 60Y89			
PLOT DATE = 2/15/2017						DATE -	REVISED -	ILLINOIS FED. AID PROJECT			
SCALE: 1"=50'						SHEET NO.	OF SHEETS	STA.	TO STA.		

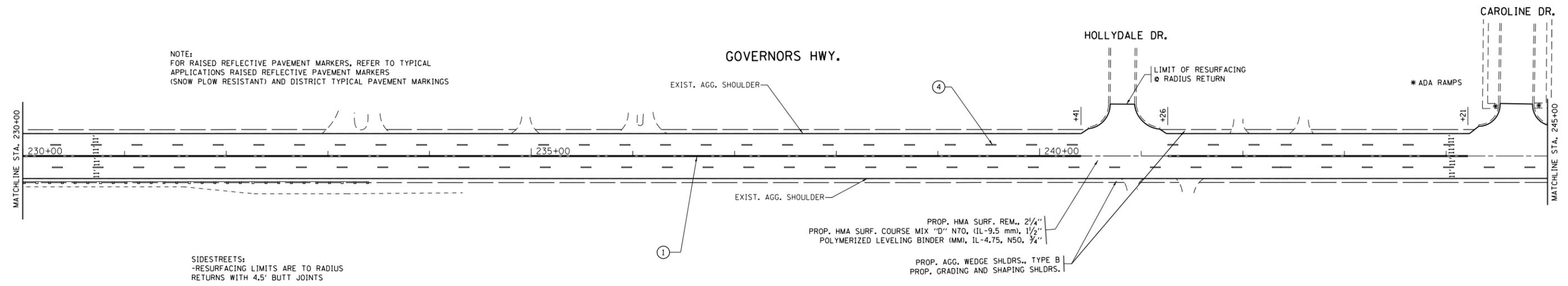


PROP. HMA SURF. REM., 2 1/4"
 PROP. HMA SURF. COURSE MIX "D" N70, (IL-9.5 mm), 1 1/2"
 POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
 PROP. AGG. WEDGE SHLDRS., TYPE B
 PROP. GRADING AND SHAPING SHLDRS.

LEGEND

- | | |
|---|---|
| ① THPL. PAV'T LINE MK LINE, 4" DOUBLE SOLID YELLOW, CENTERLINE, 11" C-C | ⑦ THPL. PAV'T LINE MK LINE SOLID WHITE, LETTERS AND SYMBOLS |
| ② THPL. PAV'T LINE MK LINE, 4" SOLID WHITE, EDGE LINE | ⑧ THPL. PAV'T LINE MK LINE, 12" SOLID YELLOW DIAGONALS, AT 45° - 20' C-C (MIN. 5) |
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| ⑤ THPL. PAV'T LINE MK LINE, 24" SOLID WHITE, STOP BAR | ⑪ THPL. PAV'T LINE MK LINE, 8" SOLID WHITE, ISLAND LINE |
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NOTE:
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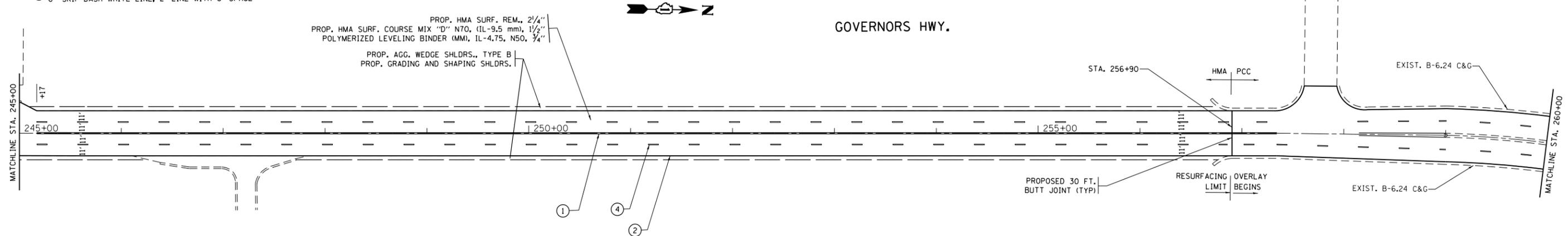
PROP. HMA SURF. REM., 2 1/4"
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 POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4"
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 PROP. GRADING AND SHAPING SHLDRS.

SIDESTREETS:
 -RESURFACING LIMITS ARE TO RADIUS RETURNS WITH 4.5' BUTT JOINTS

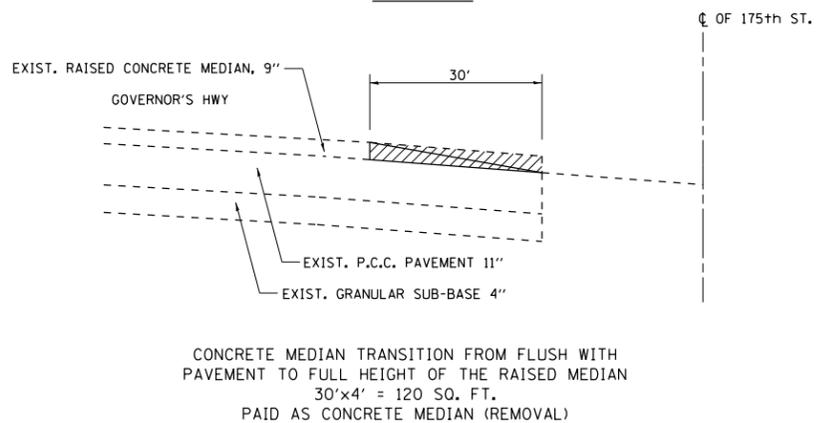
FILE NAME =	USER NAME = bauerdl	DESIGNED - FFA 7-20-09	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLAN GOVERNORS HWY. (CRAWFORD AVE. - 175th ST.)	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI03315\Design\DI03315-sh1-plan.dgn						2820	(144 & 144X) RS	COOK	52	17	
PLOT SCALE = 100.0000' / in.						CHECKED -	CONTRACT NO. 60Y89				
PLOT DATE = 2/15/2017						DATE -	ILLINOIS FED. AID PROJECT				
SCALE: 1"=50'						SHEET NO.	OF SHEETS	STA.	TO STA.		

LEGEND

- ① THPL. PAV'T LINE MK LINE, 4"
DOUBLE SOLID YELLOW, CENTERLINE, 11" C-C
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SOLID WHITE, EDGE LINE
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SOLID WHITE, ISLAND LINE

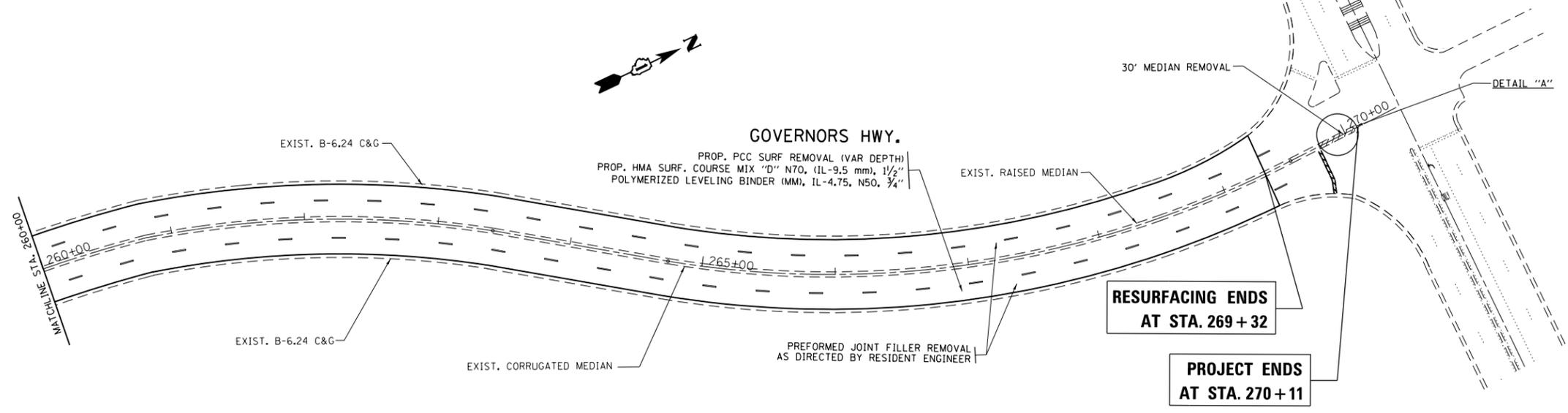


DETAIL A



NOTE:
FOR RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT) AND DISTRICT TYPICAL PAVEMENT MARKINGS

SIDESTREETS:
-RESURFACING LIMITS ARE TO RADIUS RETURNS WITH 4.5' BUTT JOINTS

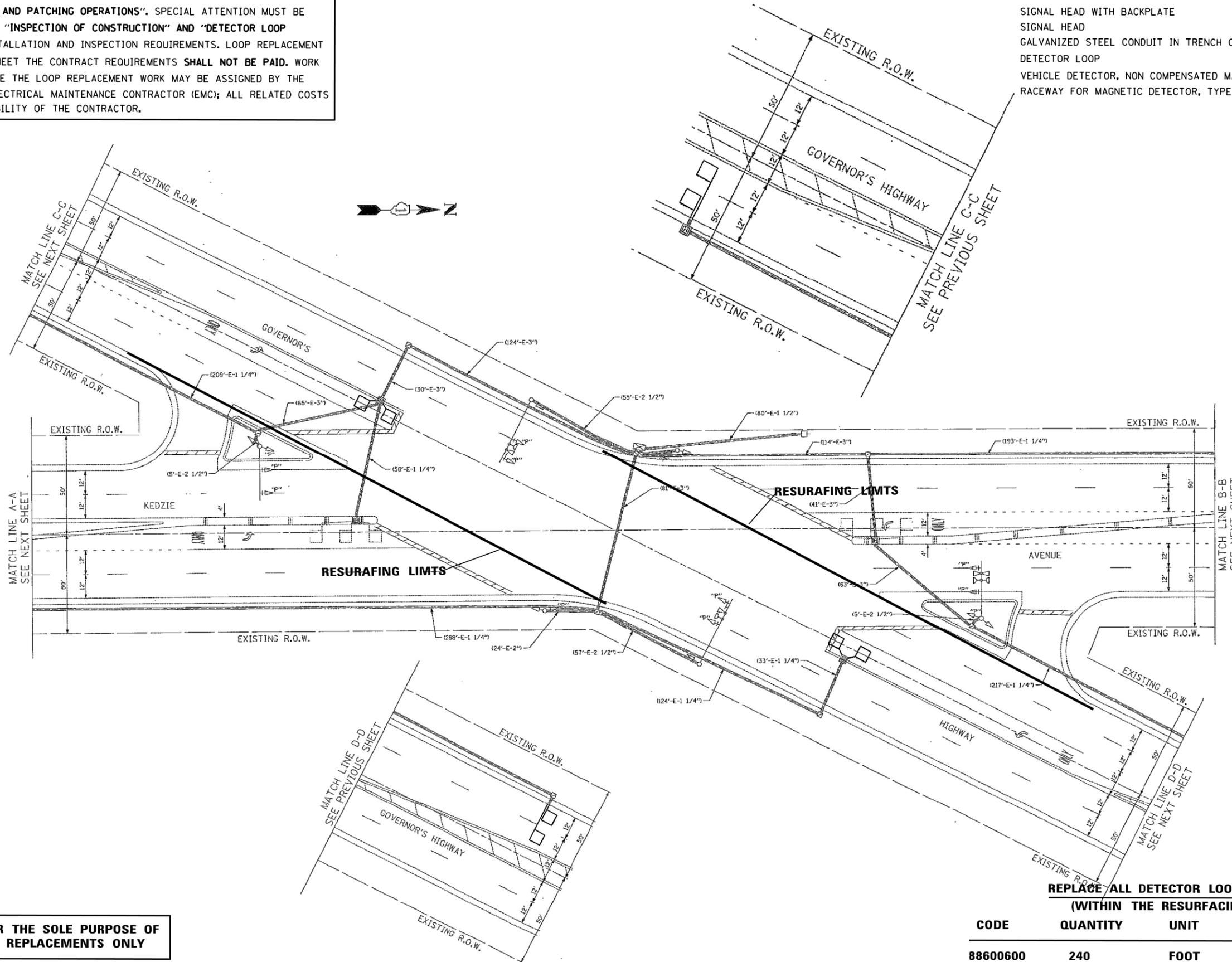


FILE NAME =	USER NAME = bauerdl	DESIGNED - FFA 7-20-09	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY AND PAVEMENT MARKING PLAN GOVERNORS HWY. (CRAWFORD AVE. - 175th ST.)	F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI033130\Drawings\Design\DI03315-sh-t-plen.dgn						F.A.U. RTÉ. = 2820	SECTION = (144 & 144X) RS	COUNTY = COOK	TOTAL SHEETS = 52	SHEET NO. = 18		
PLOT SCALE = 100.0000' / in.						CONTRACT NO. 60Y89						
PLOT DATE = 2/15/2017						ILLINOIS FED. AID PROJECT						

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS **SHALL NOT BE PAID**. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE	
SIGNAL HEAD	
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED	
DETECTOR LOOP	
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	



THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY

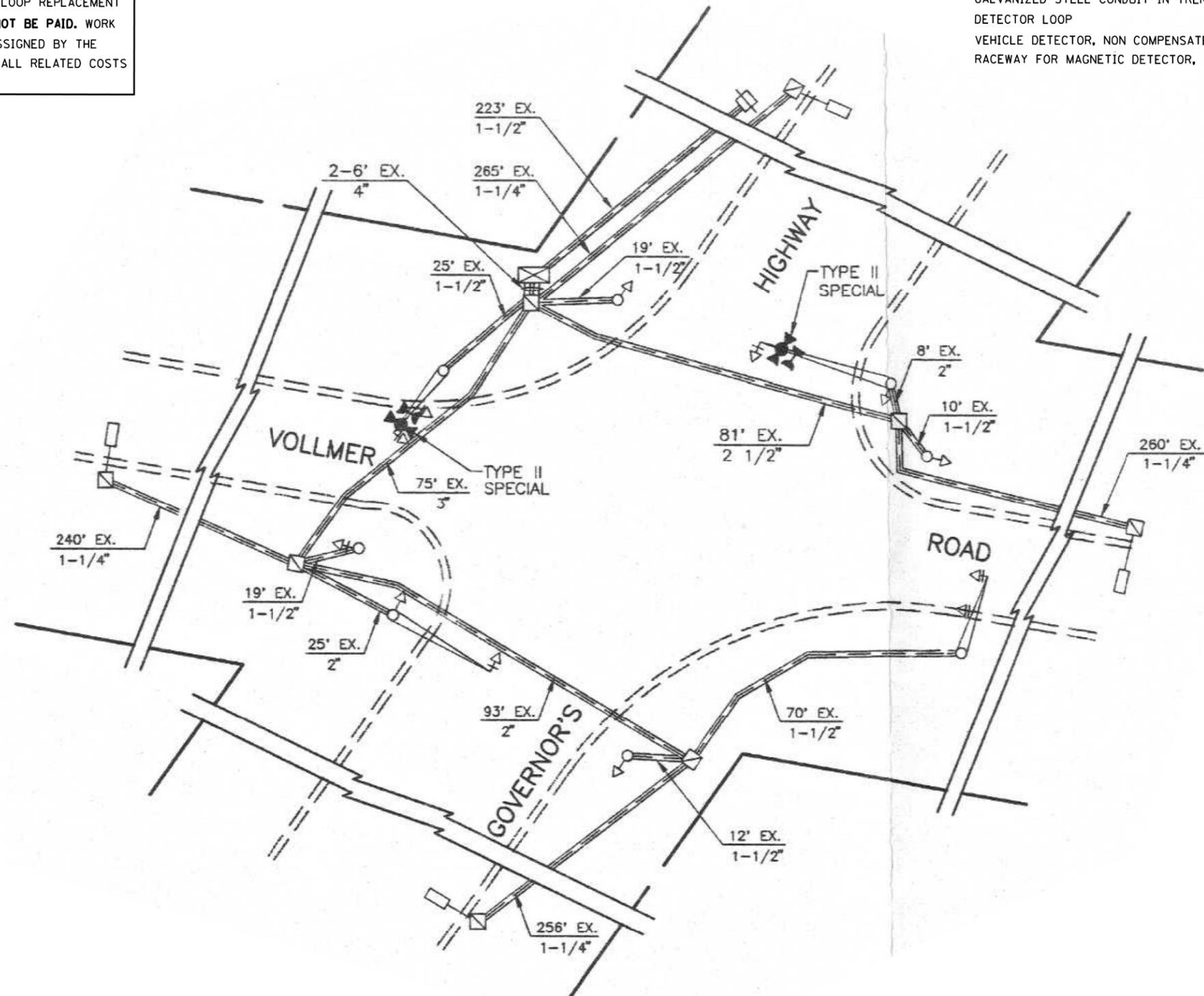
REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)

CODE	QUANTITY	UNIT	ITEM
88600600	240	FOOT	DETECTOR LOOP REPLACEMENT

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS **SHALL NOT BE PAID**. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE	
SIGNAL HEAD	
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED	
DETECTOR LOOP	
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	



THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY

REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)

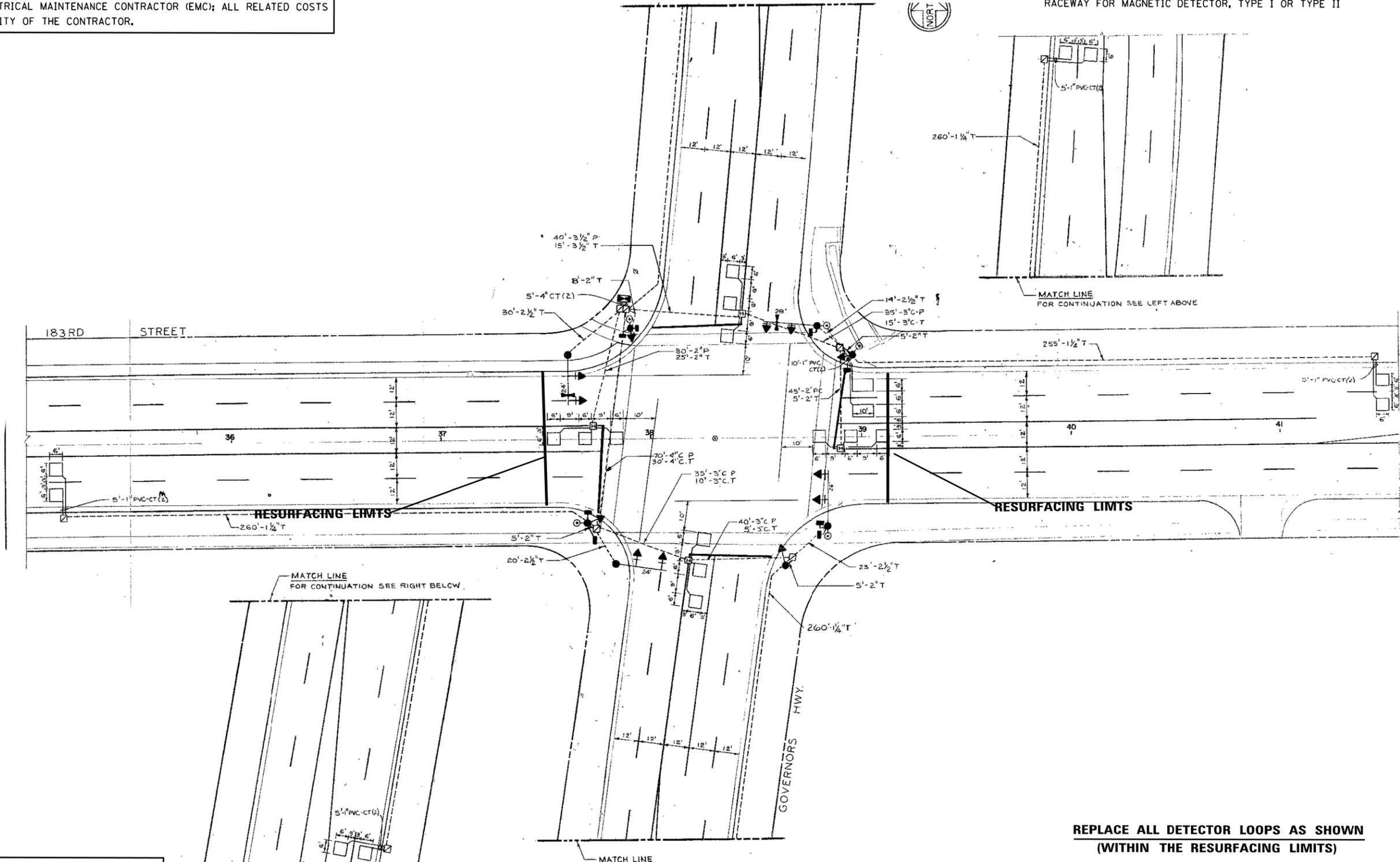
CODE	QUANTITY	UNIT	ITEM
88600600	514	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME = S:\WP\Design\JC\Detector Loop Details\80789\0103315-Design.dgn	USER NAME = curryjg	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE - DETECTOR LOOP REPLACEMENT GOVERNOR'S HWT AT VOLLMER RD	F.A.U. RTE. 2820	SECTION (144&144)RS	COUNTY COOK	TOTAL SHEETS 52	SHEET NO. 20	
	PLOT SCALE = 100.3561' / in.	DRAWN -	REVISED -			SCALE: NTS	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	CONTRACT NO. 60Y89	
	PLOT DATE = 3/2/2015	CHECKED -	REVISED -								
		DATE -	REVISED -								

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS **SHALL NOT BE PAID**. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE	
SIGNAL HEAD	
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED	
DETECTOR LOOP	
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	



THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY

REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)

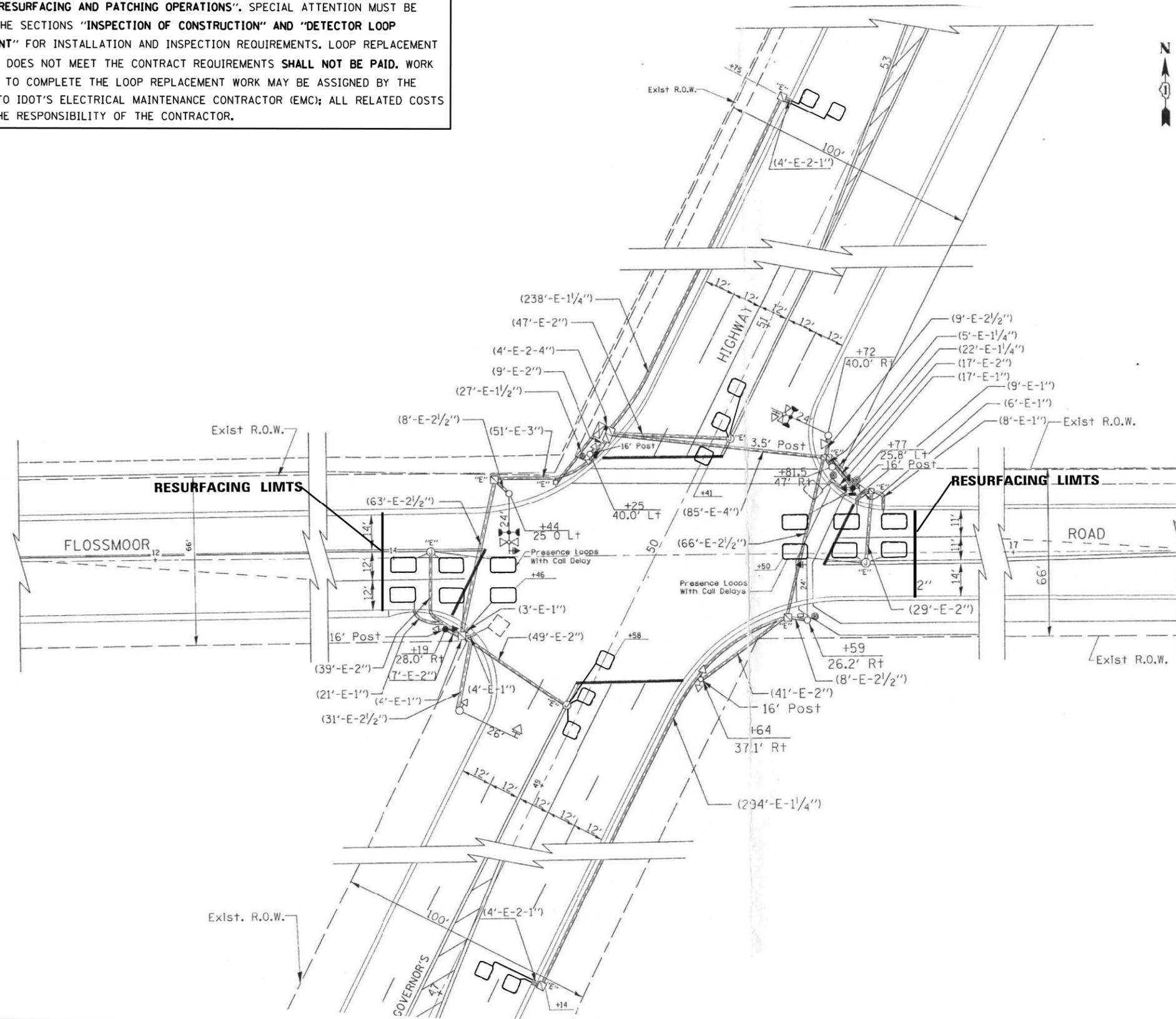
CODE	QUANTITY	UNIT	ITEM
88600600	614	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME = S:\VWP\Design\JC\Detector Loop Details\80789\ND103315-Design.dgn	USER NAME = curryjo	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE - DETECTOR LOOP REPLACEMENT GOVERNOR'S HWY AT 183RD ST.	F.A.U. RTE. 2820	SECTION (144&144)RS	COUNTY COOK	TOTAL SHEETS 52	SHEET NO. 21	
	PLOT SCALE = 100.3561' / in.	DRAWN -	REVISED -			SCALE: NTS	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 60Y89	
	PLOT DATE = 3/2/2015	CHECKED -	REVISED -								
		DATE -	REVISED -								

WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION ON ROADWAY GRINDING, RESURFACING AND PATCHING OPERATIONS". SPECIAL ATTENTION MUST BE MADE TO THE SECTIONS "INSPECTION OF CONSTRUCTION" AND "DETECTOR LOOP REPLACEMENT" FOR INSTALLATION AND INSPECTION REQUIREMENTS. LOOP REPLACEMENT WORK THAT DOES NOT MEET THE CONTRACT REQUIREMENTS **SHALL NOT BE PAID**. WORK NECESSARY TO COMPLETE THE LOOP REPLACEMENT WORK MAY BE ASSIGNED BY THE ENGINEER TO IDOT'S ELECTRICAL MAINTENANCE CONTRACTOR (EMC); ALL RELATED COSTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC SIGNAL LEGEND

PROPOSED	EXISTING
SIGNAL HEAD WITH BACKPLATE	
SIGNAL HEAD	
GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED	
DETECTOR LOOP	
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE	
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	

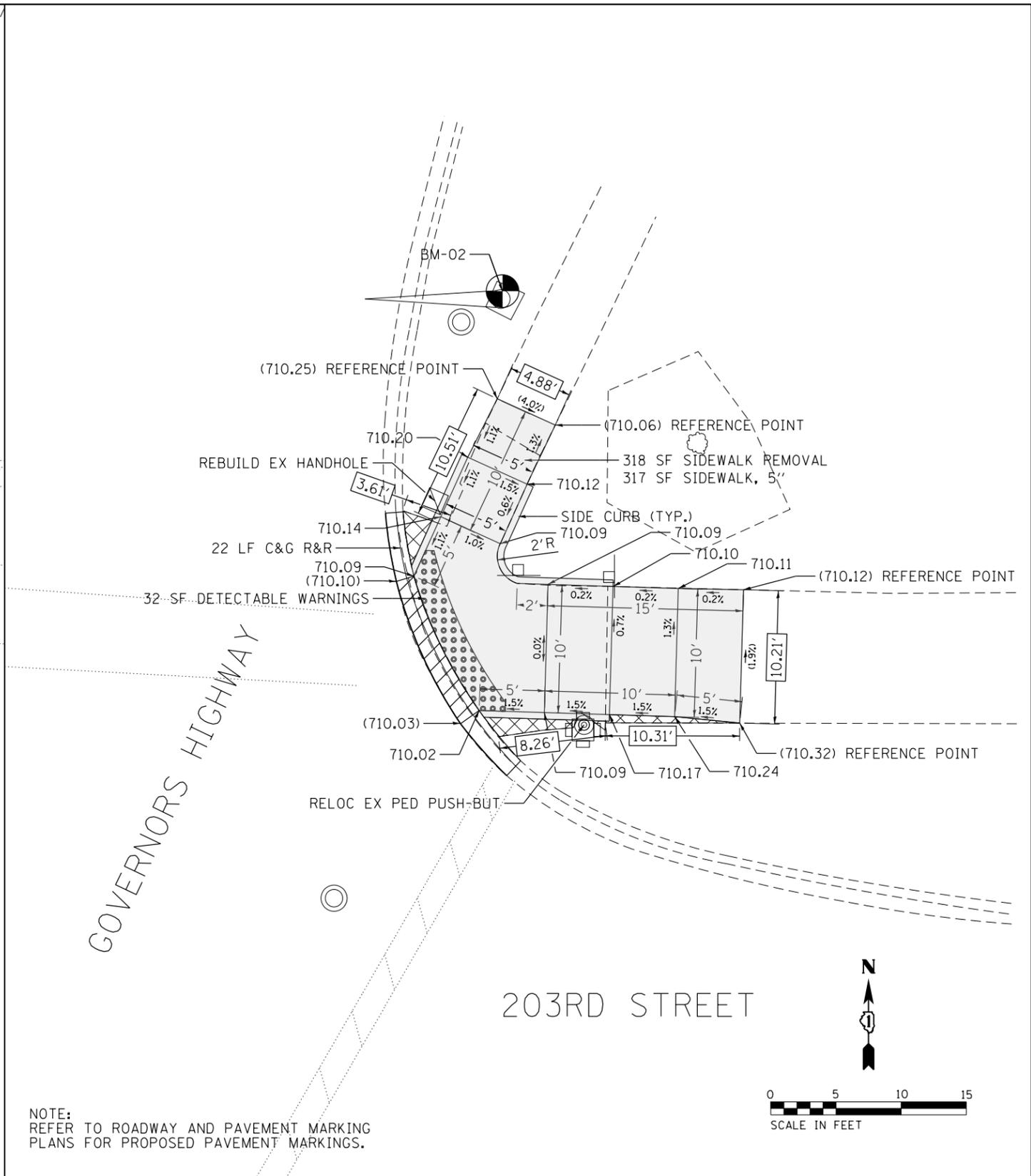
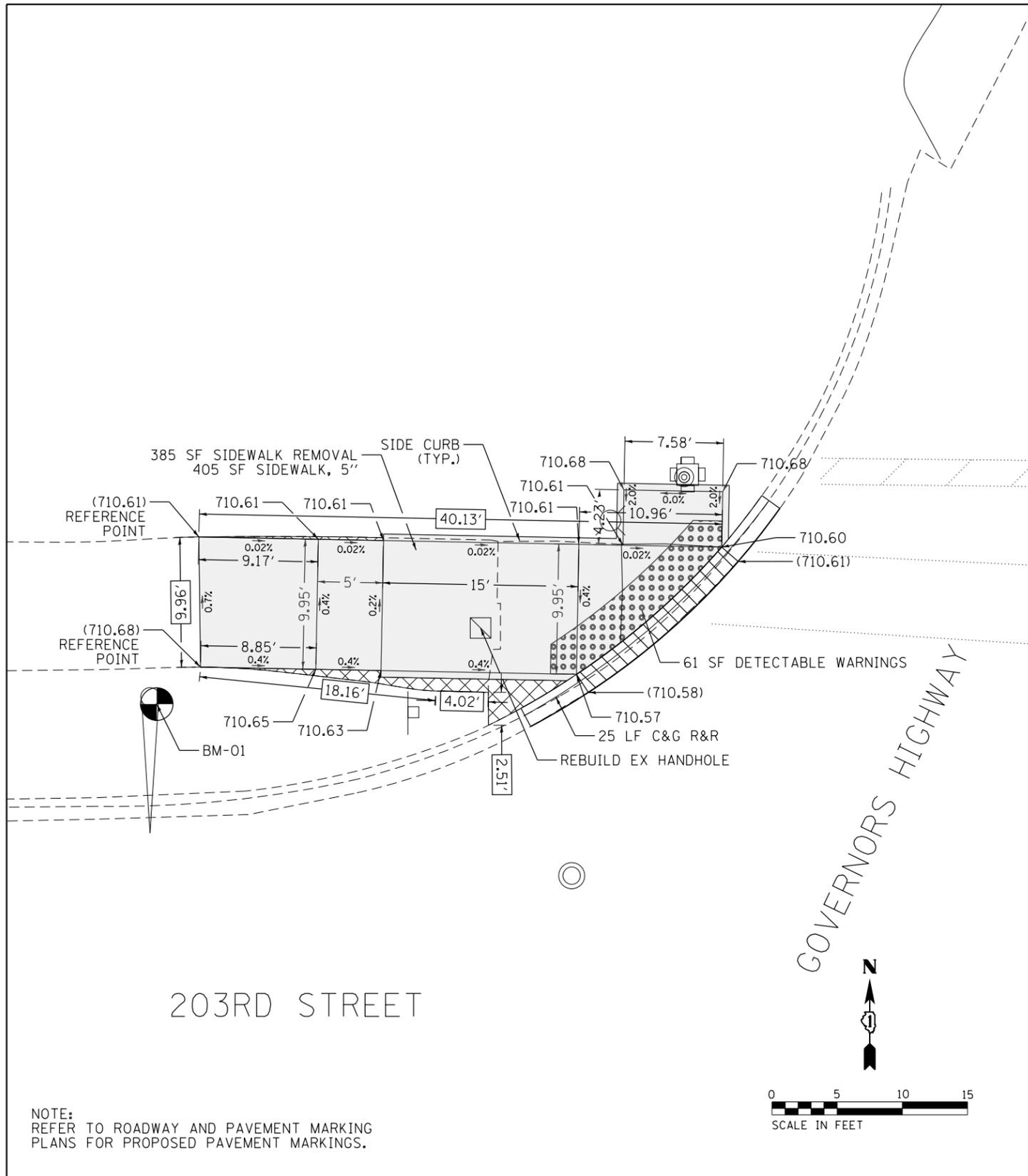


THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY

REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)

CODE	QUANTITY	UNIT	ITEM
88600600	732	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME = S:\WP\Design\JC\Detector Loop Details\88600600-Design.dgn	USER NAME = curryja	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE - DETECTOR LOOP REPLACEMENT GOVERNORS HWY AT FLOSSMOOR RD	F.A.U. RTE. 2820	SECTION (144&144)RS	COUNTY COOK	TOTAL SHEETS 52	SHEET NO. 22	
	PLOT SCALE = 100.3561' / in.	DRAWN -	REVISED -			SCALE: NTS	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 60Y89	
	PLOT DATE = 3/2/2015	CHECKED -	REVISED -								
		DATE -	REVISED -								



REFERENCE BENCHMARK 01 ELEV 711.32
BENCHMARK: CUT CROSS SE BOLT TS WITH ARM IN NW QUAD
LOCATION: 203RD STREET AT GOVERNORS HIGHWAY

LEGEND

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

REFERENCE BENCHMARK 02 ELEV 711.21
BENCHMARK: CUT CROSS NW BOLT TS WITH ARM IN NE QUAD
LOCATION: 203RD STREET AT GOVERNORS HIGHWAY

FILE NAME =	USER NAME = mslick	DESIGNED - AN / MS / KW	REVISED -
Z:\17002.01\DOT DI WOI ADA Ramps Various	Routes\Design\Prelim\Plotsheets\DI60Y89	DRAWN - AN / MS / KW	REVISED -
Default	PLOT SCALE = 10.0000' / in.	CHECKED - JH	REVISED -
	PLOT DATE = 3/13/2017	DATE - 02/09/2017	REVISED -

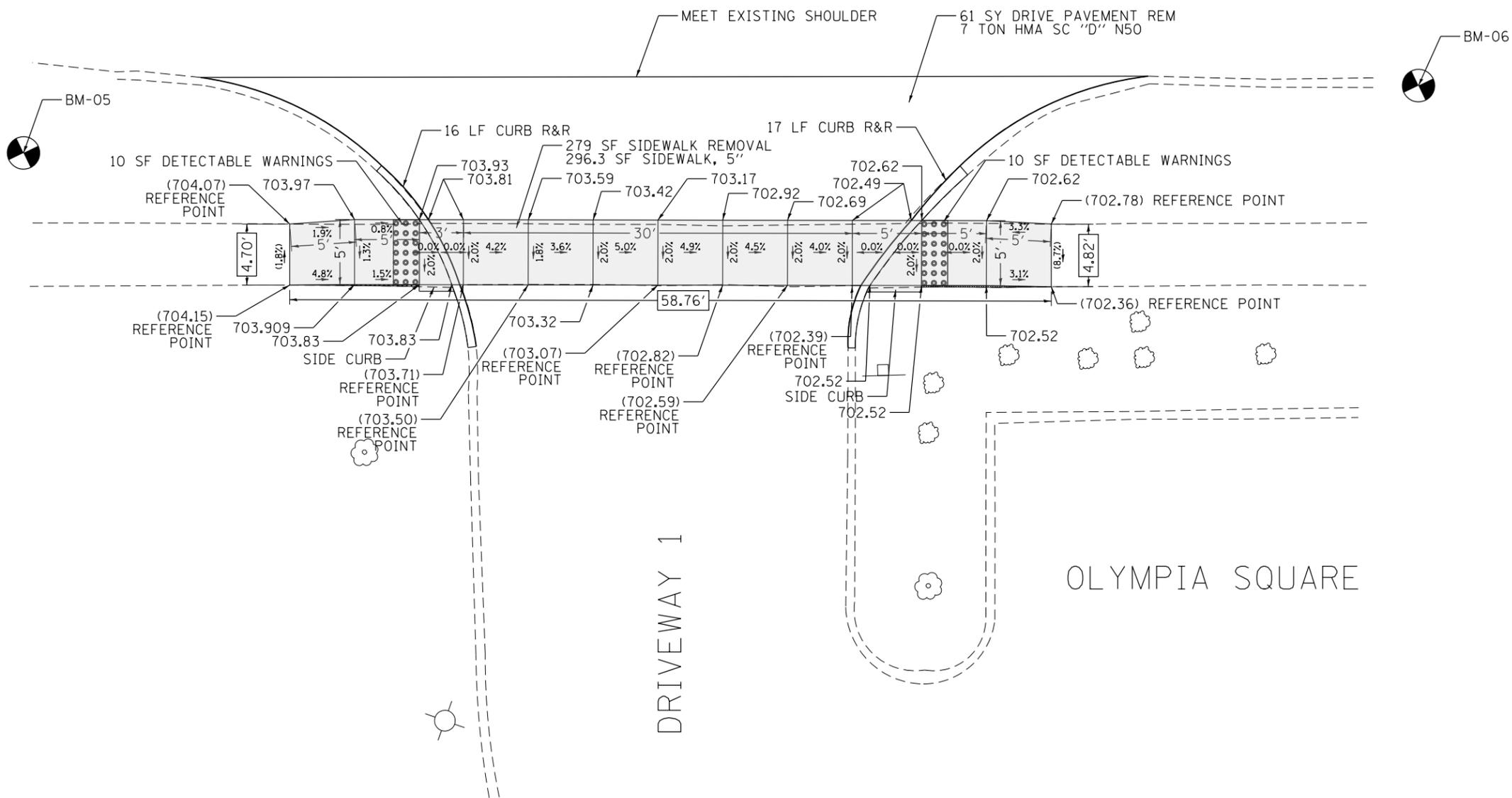
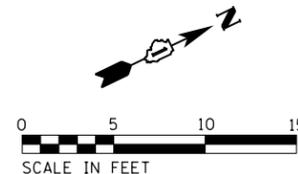
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS
GOVERNORS HWY AT 203RD ST**

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

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2820	(144 & 144X) R5	COOK	52	23
CONTRACT NO. 60Y89				
ILLINOIS FED. AID PROJECT				

GOVERNORS HIGHWAY



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

REFERENCE BENCHMARK 05 ELEV 703.107
BENCHMARK: CUT SQUARE T/18" RCP/FES
LOCATION: SE QUAD S. MALL ENT. AT GOVERNORS HIGHWAY

LEGEND

- XX.XX' EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- ===== PROPOSED SIDE CURB

- PROPOSED SIDEWALK
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/ TOPSOIL & SOD

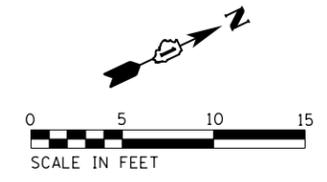
REFERENCE BENCHMARK 06 ELEV 703.141
BENCHMARK: CUT SQUARE BC/TC E SIDE
LOCATION: GOVERNORS HIGHWAY NE QUAD S. MALL ENT. AT
GOVERNORS HIGHWAY

FILE NAME =	USER NAME = mslick	DESIGNED - AN / MS / KW	REVISED -
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	PLOT DATE = 3/13/2017	DATE - 02/09/2017	REVISED -

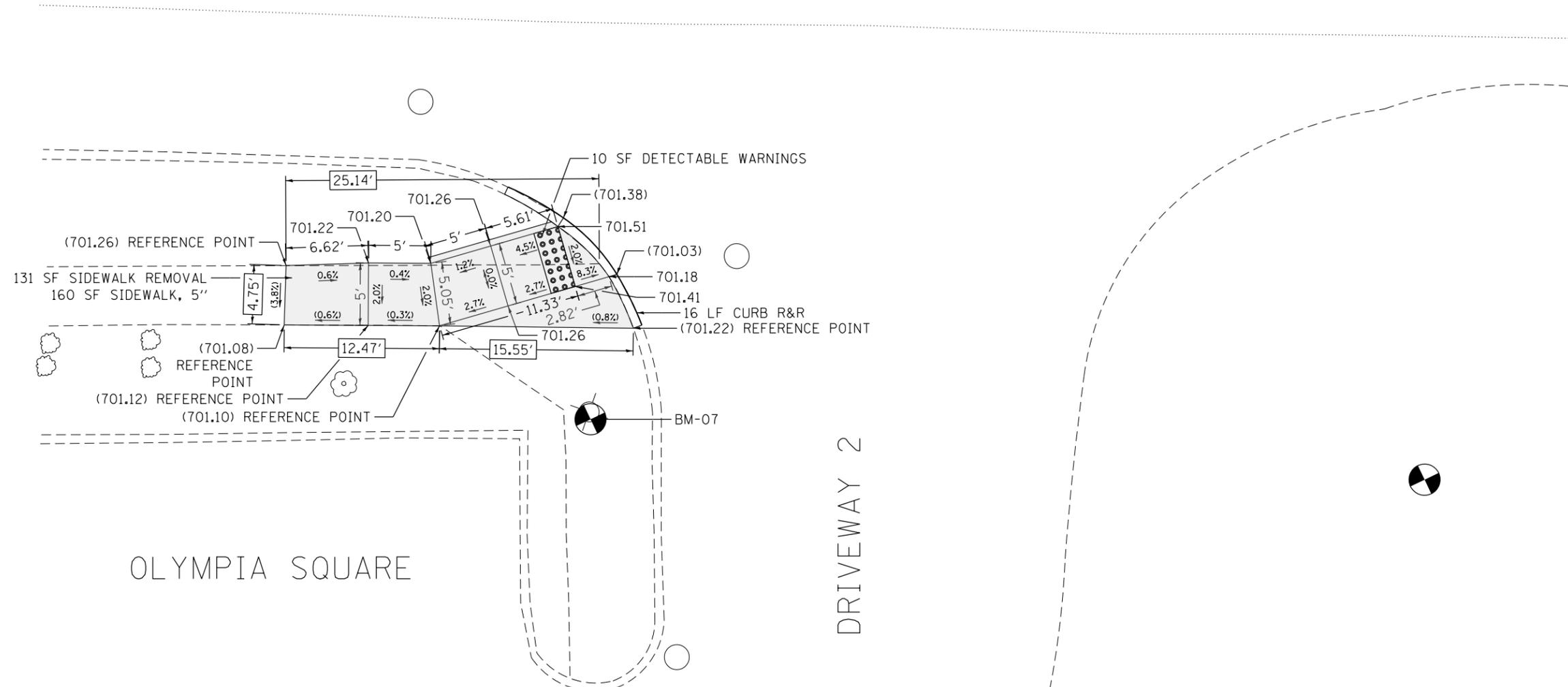
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
GOVERNORS HWY AT DRIVEWAY 1 SOUTH OF VOLLMER RD
SCALE: 1" = 5' SHEET OF SHEETS STA. TO STA.

F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2820	(144 & 144X) R5	COOK	52	25
CONTRACT NO. 60Y89				
ILLINOIS FED. AID PROJECT				



GOVERNORS HIGHWAY



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

REFERENCE BENCHMARK 07 ELEV 701.384
BENCHMARK: CUT SQUARE E SIDE CONC. BASE STEEL L/P
LOCATION: SE QUAD N. MALL ENT. AT GOVERNORS HIGHWAY

LEGEND

- XX.XX' EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- ===== PROPOSED SIDE CURB
- [Hatched Box] PROPOSED SIDEWALK
- [Dotted Box] DETECTABLE WARNINGS
- [Cross-hatched Box] SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD
- [Diagonal Line Box] DEPRESSED CURB & GUTTER

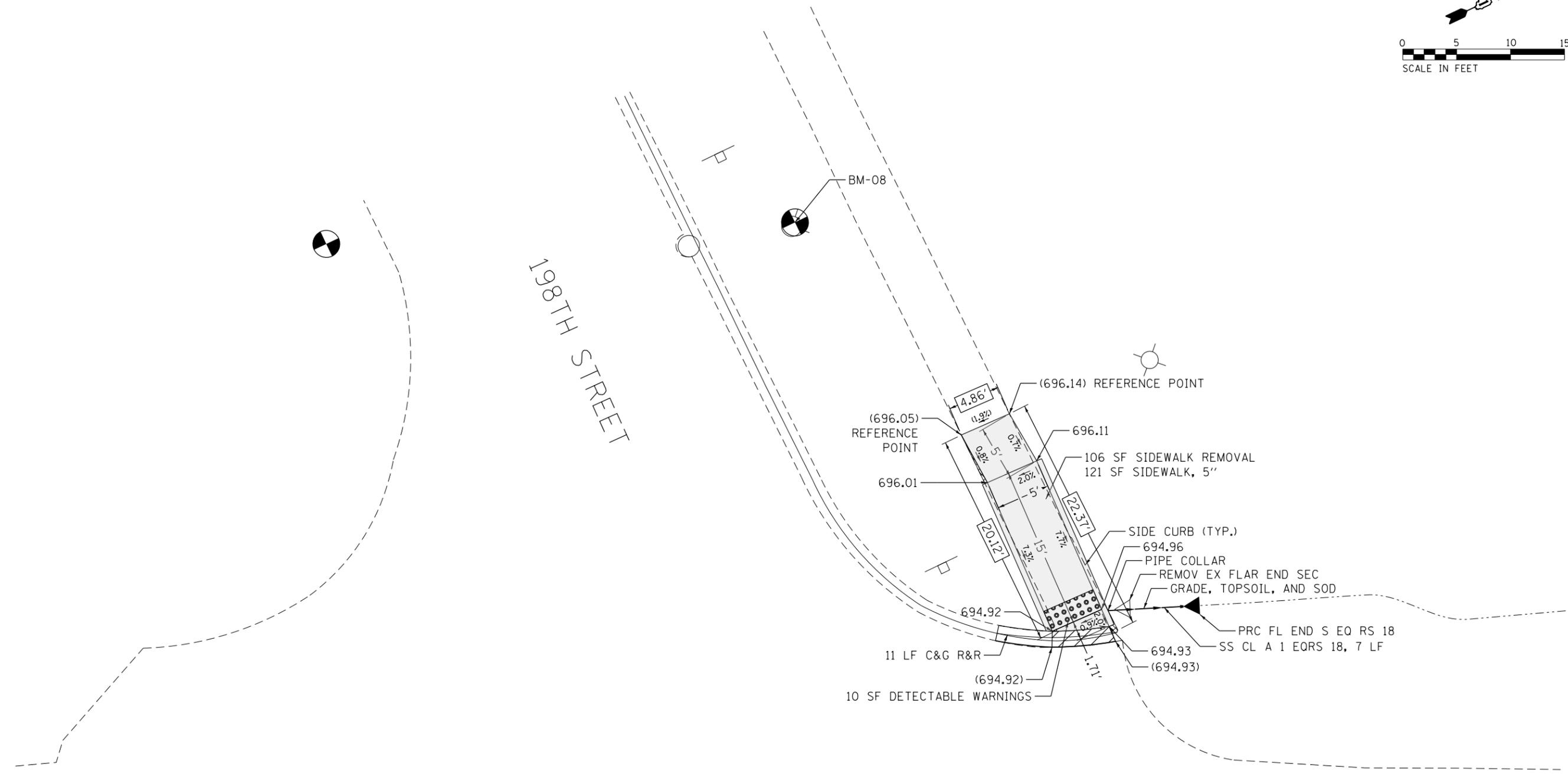
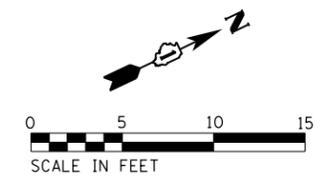
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Default	PLOT SCALE = 10.0000' / in.	CHECKED - JH	REVISED -
	PLOT DATE = 3/14/2017	DATE - 02/09/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA RAMP DETAILS
GOVERNORS HWY AT DRIVEWAY 2 SOUTH OF VOLLMER RD**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2820	(144 & 144X) R5	COOK	52	26
CONTRACT NO. 60Y89				
ILLINOIS FED. AID PROJECT				



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

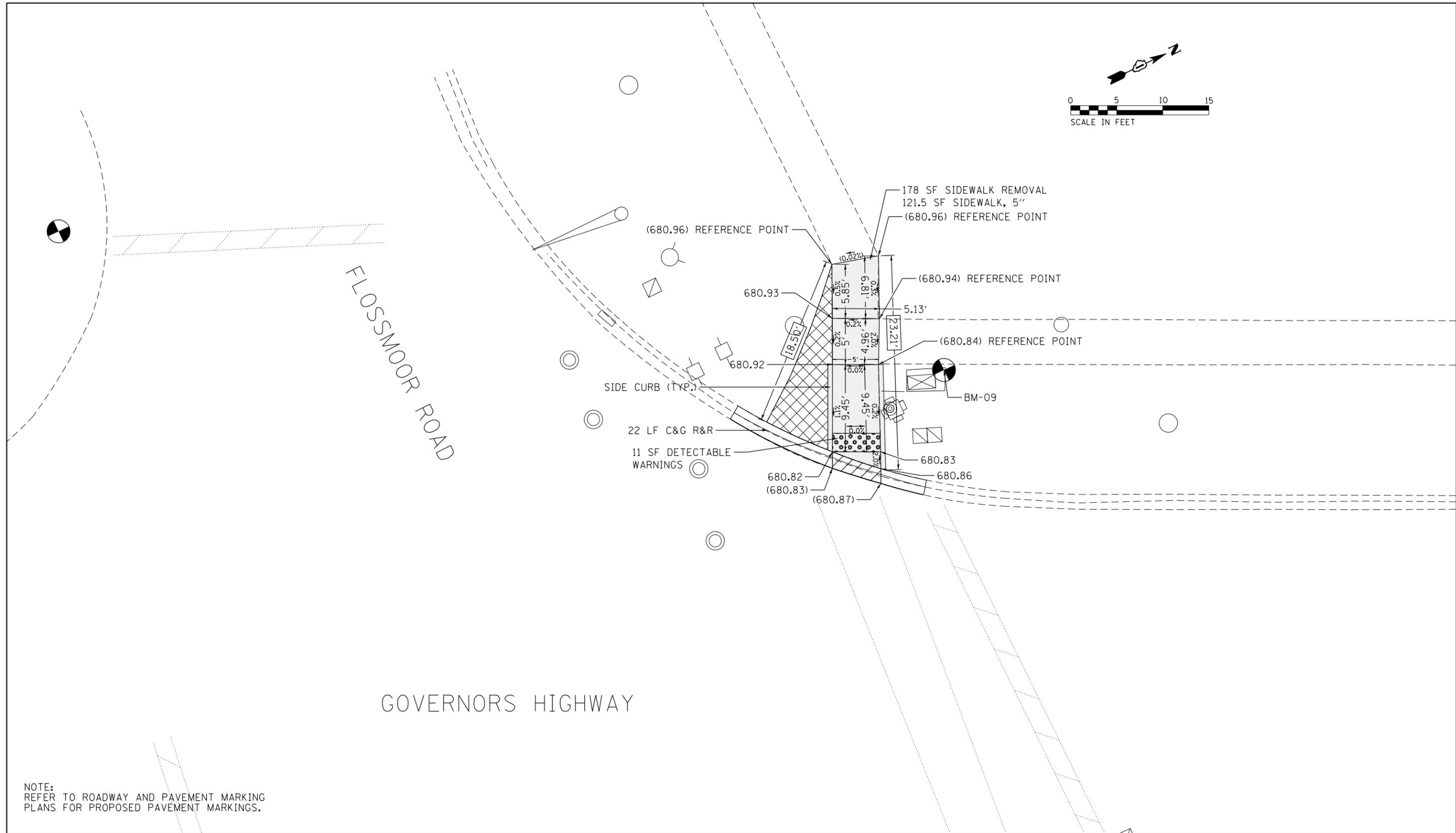
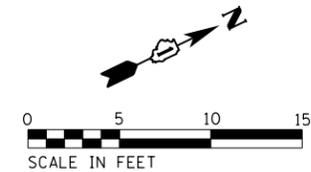
GOVERNORS HIGHWAY

LEGEND

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

REFERENCE BENCHMARK 08 ELEV 702.273
BENCHMARK: CUT SQUARE NW CORNER CONC. BASE CONTROL BOX/AD SIGN IN
LOCATION: NE QUAD N. MALL ENT AT GOVERNORS HIGHWAY

FILE NAME =	USER NAME = mslick	DESIGNED - AN / MS / KW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP DETAILS GOVERNORS HWY AT 198TH ST	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Z:\17002.01 IDOT DI WOI ADA Ramps Various	Routes\Design\Prelim\Plotsheets\DI60Y89	DESIGNED - AN / MS / KW	REVISED -			2820	(144 & 144X) R5	COOK	52	27	
Default	PLOT SCALE = 10.0000' / in.	CHECKED - JH	REVISED -			CONTRACT NO. 60Y89					
	PLOT DATE = 3/13/2017	DATE - 02/09/2017	REVISED -			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
- [Hatched Box] PROPOSED SIDEWALK
- [Dotted Box] DETECTABLE WARNINGS
- [Cross-hatched Box] SIDEWALK REMOVAL
REPLACE W/ TOPSOIL & SOD
- [Diagonal Line Box] DEPRESSED CURB & GUTTER

REFERENCE BENCHMARK 09 ELEV 681.23
BENCHMARK: CUT SQUARE N SIDE CONCRETE BASE T/S CONTROL CABINET
LOCATION: NW QUAD GOVERNORS HIGHWAY AT FLOSSOMOR ROAD

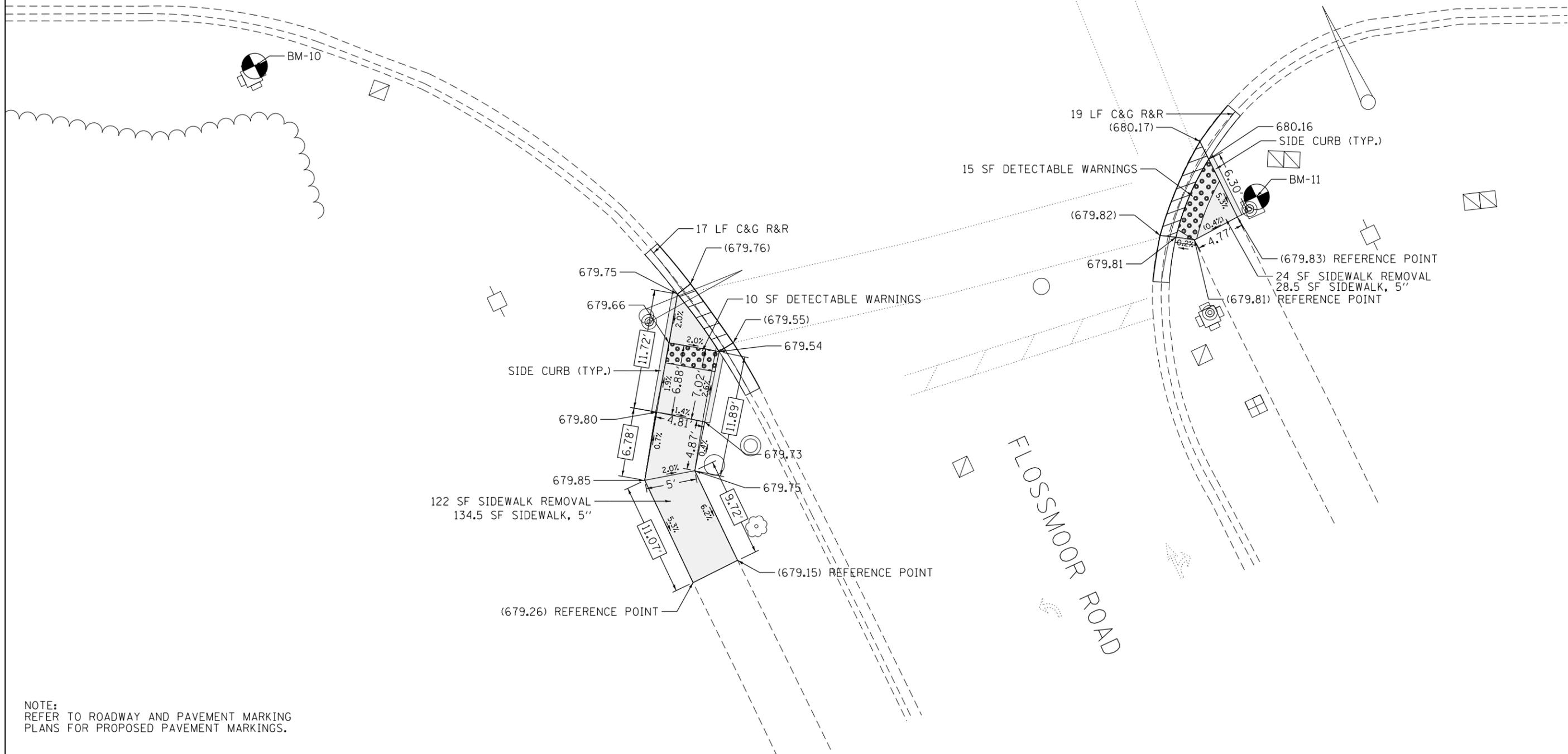
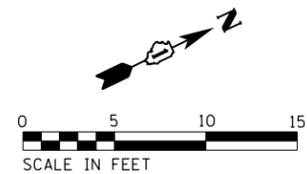
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Default	PLOT SCALE = 10.0000' / in.	CHECKED - JH DATE - 02/09/2017	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADA RAMP DETAILS GOVERNORS HWY AT FLOSSMOOR RD			
SCALE: 1" = 5'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE. 2820	SECTION (144 & 144X) R5	COUNTY COOK	TOTAL SHEETS 52	SHEET NO. 28
CONTRACT NO. 60Y89				
ILLINOIS FED. AID PROJECT				

GOVERNORS HIGHWAY



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

REFERENCE BENCHMARK 10 ELEV 681.305
BENCHMARK: CUT SQUIRE N SIDE CONC. BASE T/S
LOCATION: SE QUAD GOVERNORS HIGHWAY AT FLOSSMOOR ROAD

LEGEND

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

REFERENCE BENCHMARK 11 ELEV 680.227
BENCHMARK: CUT SQUARE N SIDE CONCRETE BASE PPB
LOCATION: NE QUAD GOVERNORS HIGHWAY AT FLOSSMOOR ROAD

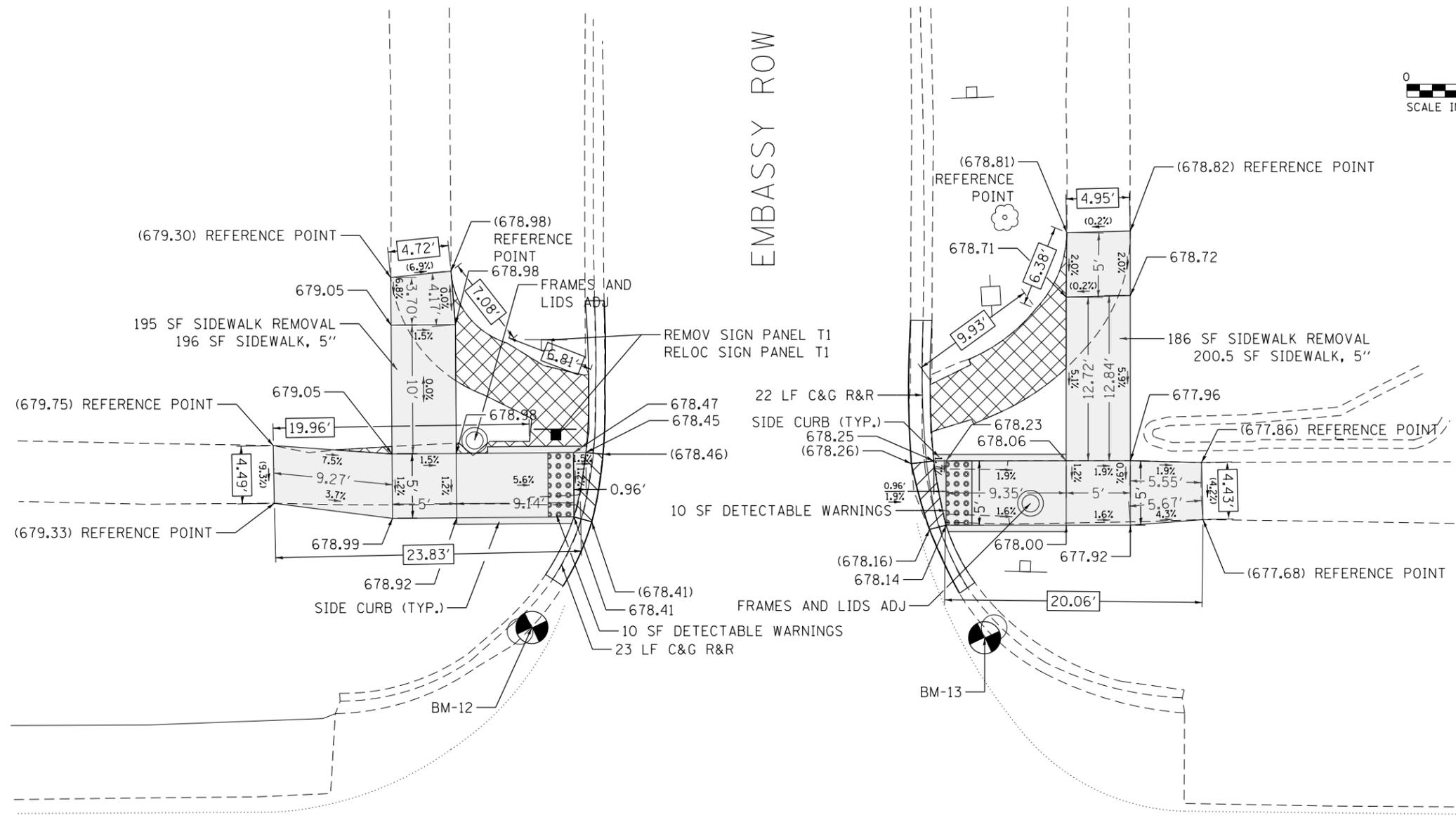
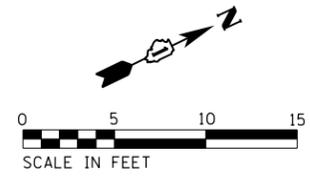
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Default	PLOT SCALE = 10.0000' / in.	CHECKED - JH	REVISED -
	PLOT DATE = 3/13/2017	DATE - 02/09/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS
GOVERNORS HWY AT FLOSSMOOR RD

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2820	(144 & 144X) R5	COOK	52	29
CONTRACT NO. 60Y89				
ILLINOIS FED. AID PROJECT				



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

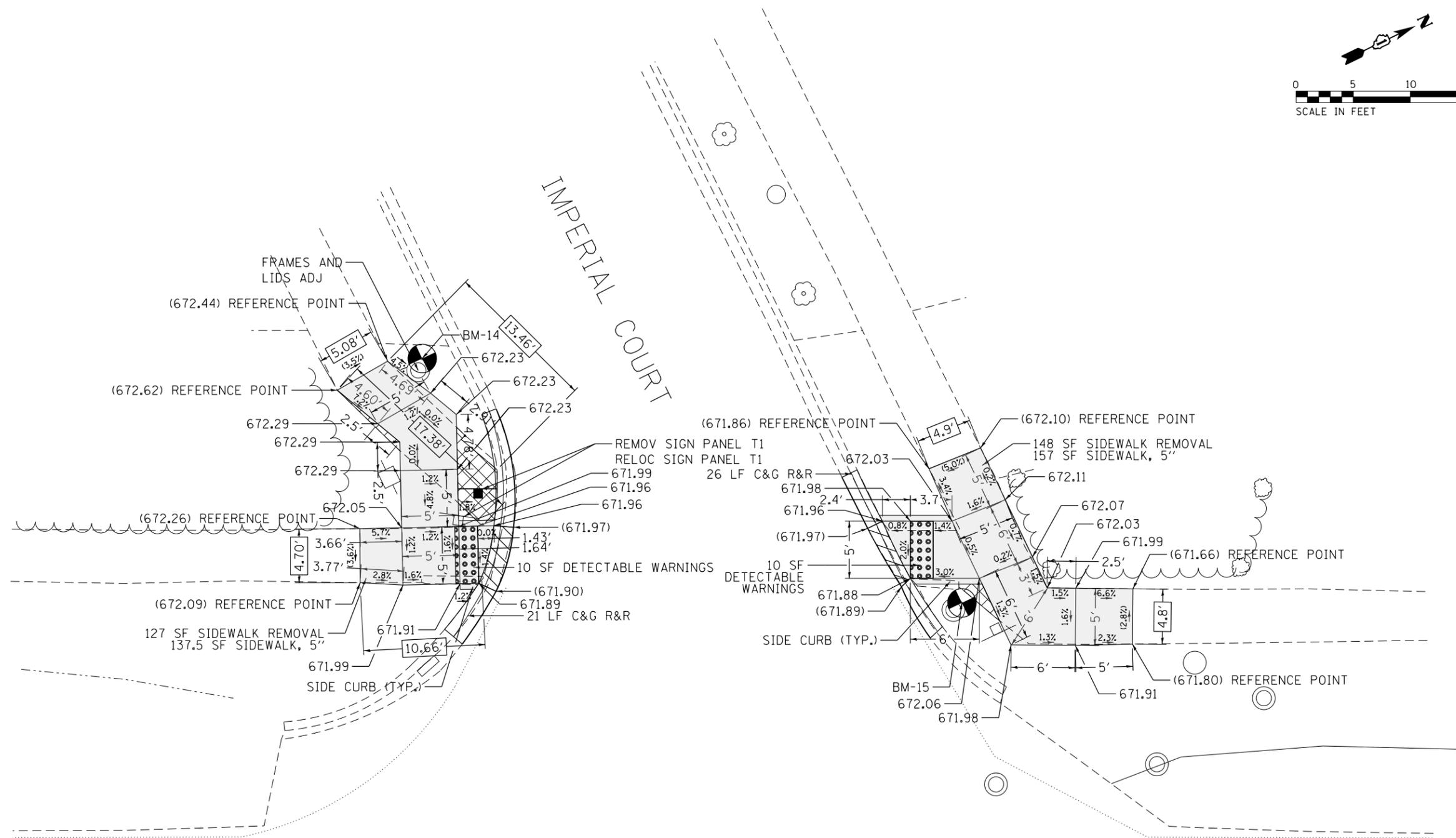
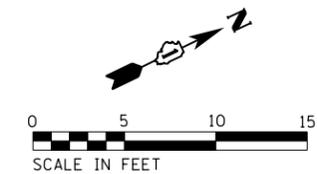
REFERENCE BENCHMARK 12 ELEV 678.199
BENCHMARK: CUT CROSS IN N'LY RIM OF CATCH BASIN
LOCATION: SW COR. OF EMBASSY ROW AND GOVERNORS HIGHWAY

LEGEND

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

REFERENCE BENCHMARK 13 ELEV 678.022
BENCHMARK: CUT CROSS IN S'LY RIM OF CATCH BASIN
LOCATION: NW COR. OF EMBASSY ROW AND GOVERNORS HIGHWAY

FILE NAME =	USER NAME = mslick	DESIGNED - AN / MS / KW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP DETAILS GOVERNORS HWY AT EMBASSY ROW	F.A.U. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Z:\17002.01 IDOT DI WOI ADA Ramps Various	Routes\Design\Prelim\Plotsheets\DI60Y89	DRAWN - AN / MS / KW	REVISED -			2820	(144 & 144X) R5	COOK	52	30	
Default	PLOT SCALE = 10.0000' / in.	CHECKED - JH	REVISED -			CONTRACT NO. 60Y89					
	PLOT DATE = 3/13/2017	DATE - 02/09/2017	REVISED -			SCALE: 1" = 5'	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		



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

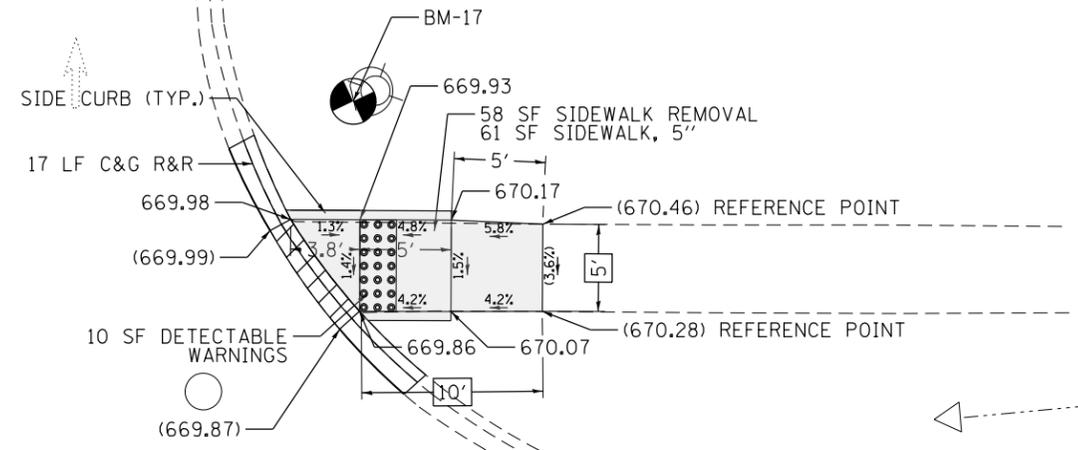
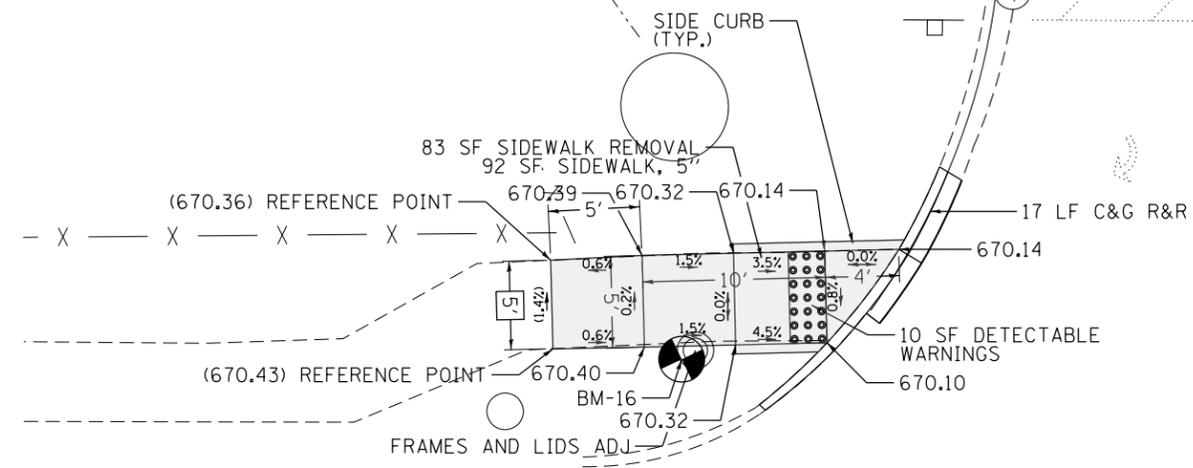
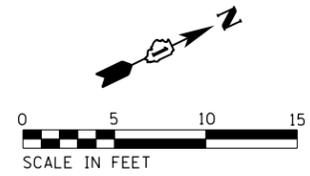
GOVERNORS HIGHWAY

REFERENCE BENCHMARK 14 ELEV 672.561
BENCHMARK: CUT CROSS IN N'LY RIM OF WATER VALVE VAULT
LOCATION: SW COR. OF GOVERNORS HIGHWAY & IMPERIAL COURT

LEGEND	
XX.XX'	EXISTING LENGTH
()	EXISTING ELEVATION/SLOPE
—	PROPOSED SIDE CURB
[Solid Box]	PROPOSED SIDEWALK
[Dotted Box]	DETECTABLE WARNINGS
[Cross-hatched Box]	SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD
[Hatched Box]	DEPRESSED CURB & GUTTER

REFERENCE BENCHMARK 15 ELEV 672.080
BENCHMARK: CUT CROSS IN N'LY RIM OF SANITARY MANHOLE
LOCATION: NW COR. OF GOVERNORS HIGHWAY AND IMPERIAL COURT

FILE NAME =	USER NAME = mslick	DESIGNED - AN / MS / KW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP DETAILS GOVERNORS HWY AT IMPERIAL CT	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Z:\17002.01\DOT DI WOI ADA Ramps Various	Routes\Design\Prelim\Plotsheets\DI60Y89	DRAWN - AN / MS / KW	REVISED -			2820	(144 & 144X) R5	COOK	52	31	
Default	PLOT SCALE = 10.0000' / in.	CHECKED - JH	REVISED -			CONTRACT NO. 60Y89					
	PLOT DATE = 3/13/2017	DATE - 02/09/2017	REVISED -			ILLINOIS FED. AID PROJECT					



GOVERNORS HIGHWAY

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

REFERENCE BENCHMARK 16 ELEV 670.394
BENCHMARK: CUT CROSS S RIM WV
LOCATION: SW QUAD GOVERNORS HIGHWAY AT HIGH SCHOOL ENTRANCE

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 17 ELEV 671.282
BENCHMARK: CUT SQUARE W SIDE CONC. BASE STEEL L/P
LOCATION: NW QUAD GOVERNORS HIGHWAY AT HIGH SCHOOL ENTRANCE

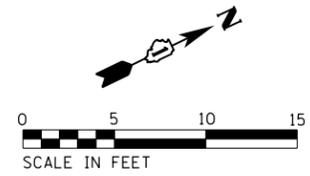
FILE NAME =	USER NAME = mslick	DESIGNED - AN / MS / KW	REVISED -
Z:\17002.01 IDOT DI WOI ADA Ramps Various	Routes\Design\Prelim\Plotsheets\DI60Y89	DRAWN - AN / MS / KW	REVISED -
Default	PLOT SCALE = 10.0000' / in.	CHECKED - JH	REVISED -
	PLOT DATE = 3/13/2017	DATE - 02/09/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

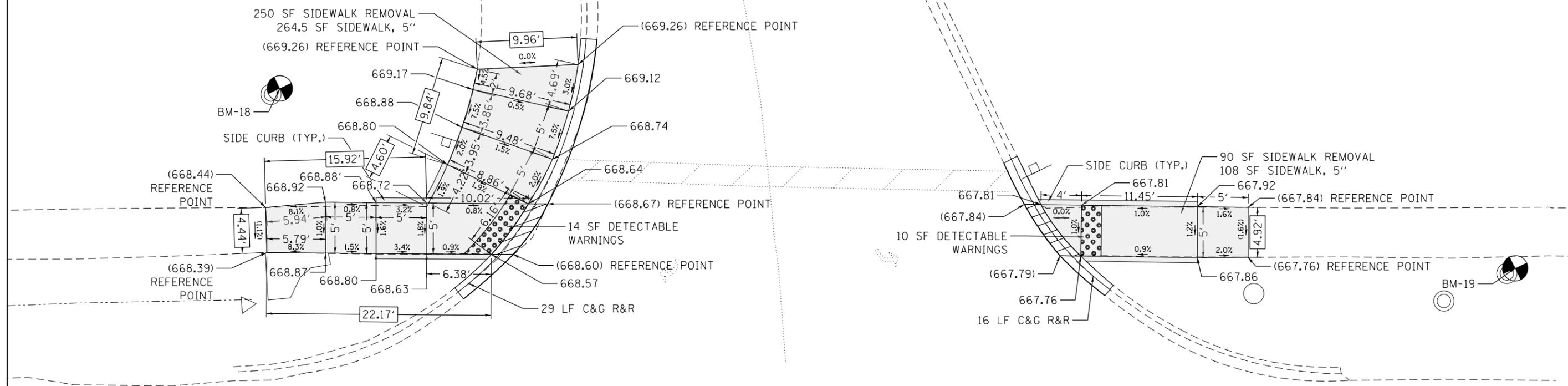
ADA RAMP DETAILS
GOVERNORS HWY AT DRIVEWAY NORTH OF IMPERIAL CT

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2820	(144 & 144X) R5	COOK	52	32
CONTRACT NO. 60Y89				
ILLINOIS FED. AID PROJECT				



DRIVEWAY



GOVERNORS HIGHWAY

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

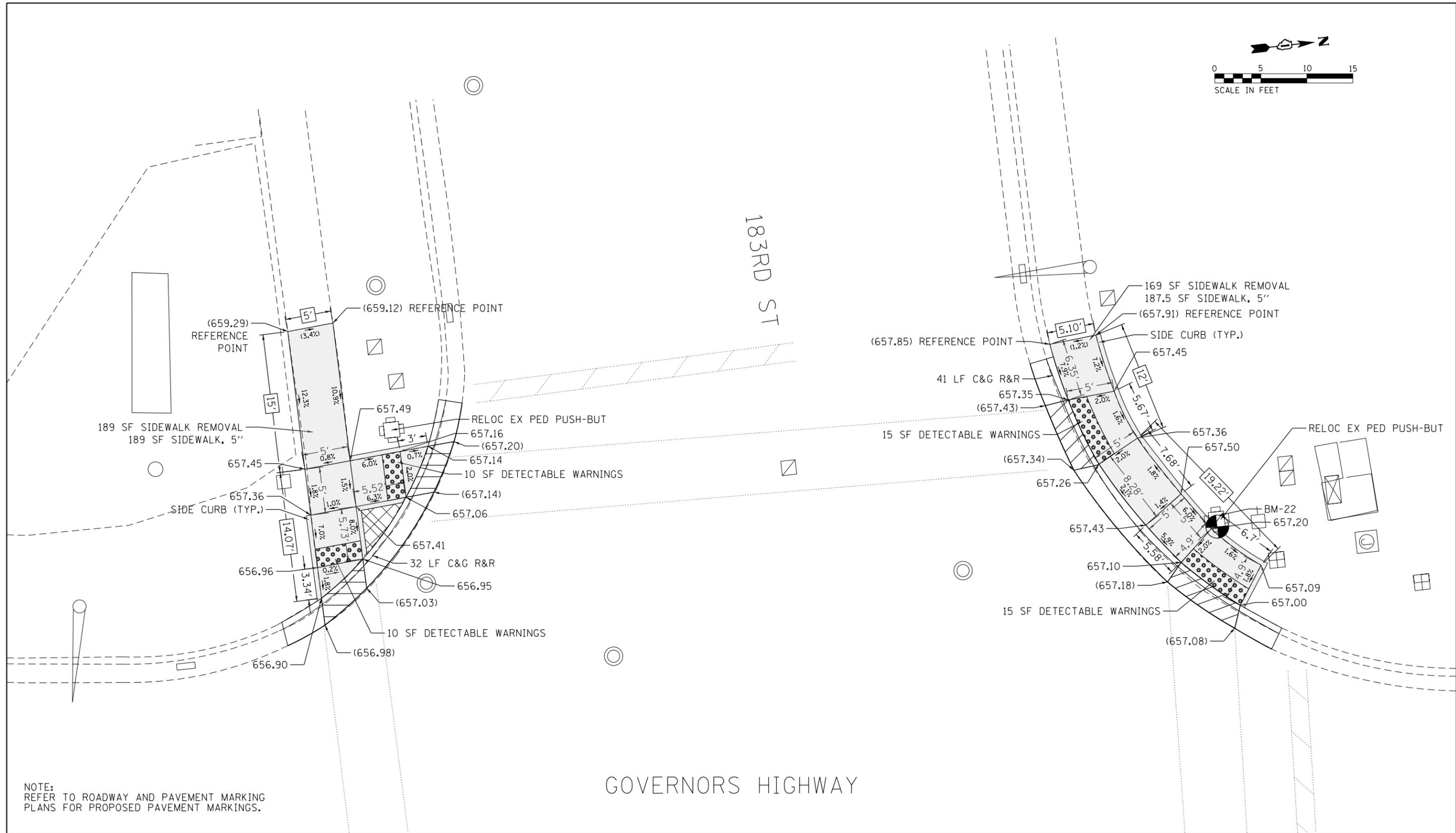
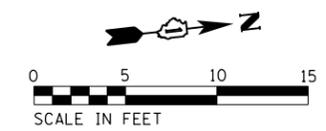
REFERENCE BENCHMARK 18 ELEV 668.329
BENCHMARK: CUT CROSS ON N'LY RI OF WATER VAVLE VAULT
LOCATION: SW COR. OF GOVERNORS HIGHWAY AND BRAEMAR ROAD

LEGEND

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

REFERENCE BENCHMARK 19 ELEV 667.892
BENCHMARK: CUT CROSS ON N'LY RIM OF WATER VALVE VAULT
LOCATION: NW CORNER OF GOVERNORS HIGHWAY AND BRAEMAR ROAD

FILE NAME =	USER NAME = mslick	DESIGNED - AN / MS / KW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP DETAILS GOVERNORS HWY AT DRIVEWAY ACROSS FROM BRAEMAR RD	F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Z:\17002.01\DOT DI WOI ADA Ramps Various	Routes\Design\Prelim\Plotsheets\DI60Y89	DRWN - JH / MS / KW	REVISED -			2820	(144 & 144X) R5	COOK	52	33
Default	PLOT DATE = 3/13/2017	CHECKED - JH	REVISED -			CONTRACT NO. 60Y89				
		DATE - 02/09/2017	REVISED -	SCALE: 1" = 5'	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			



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

GOVERNORS HIGHWAY

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 22 ELEV 657.502
BENCHMARK: CUT SQUARE ON E. SIDE OF CONC. BASE OF TRAFFIC SIGNAL
LOCATION: NW COR. OF 183RD ST. & GOVERNORS HIGHWAY

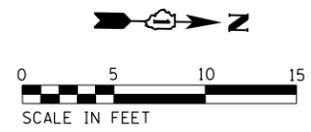
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Default	PLOT SCALE = 10.0000' / in.	CHECKED - JH	REVISED -				
	PLOT DATE = 3/13/2017	DATE - 02/09/2017	REVISED -				

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

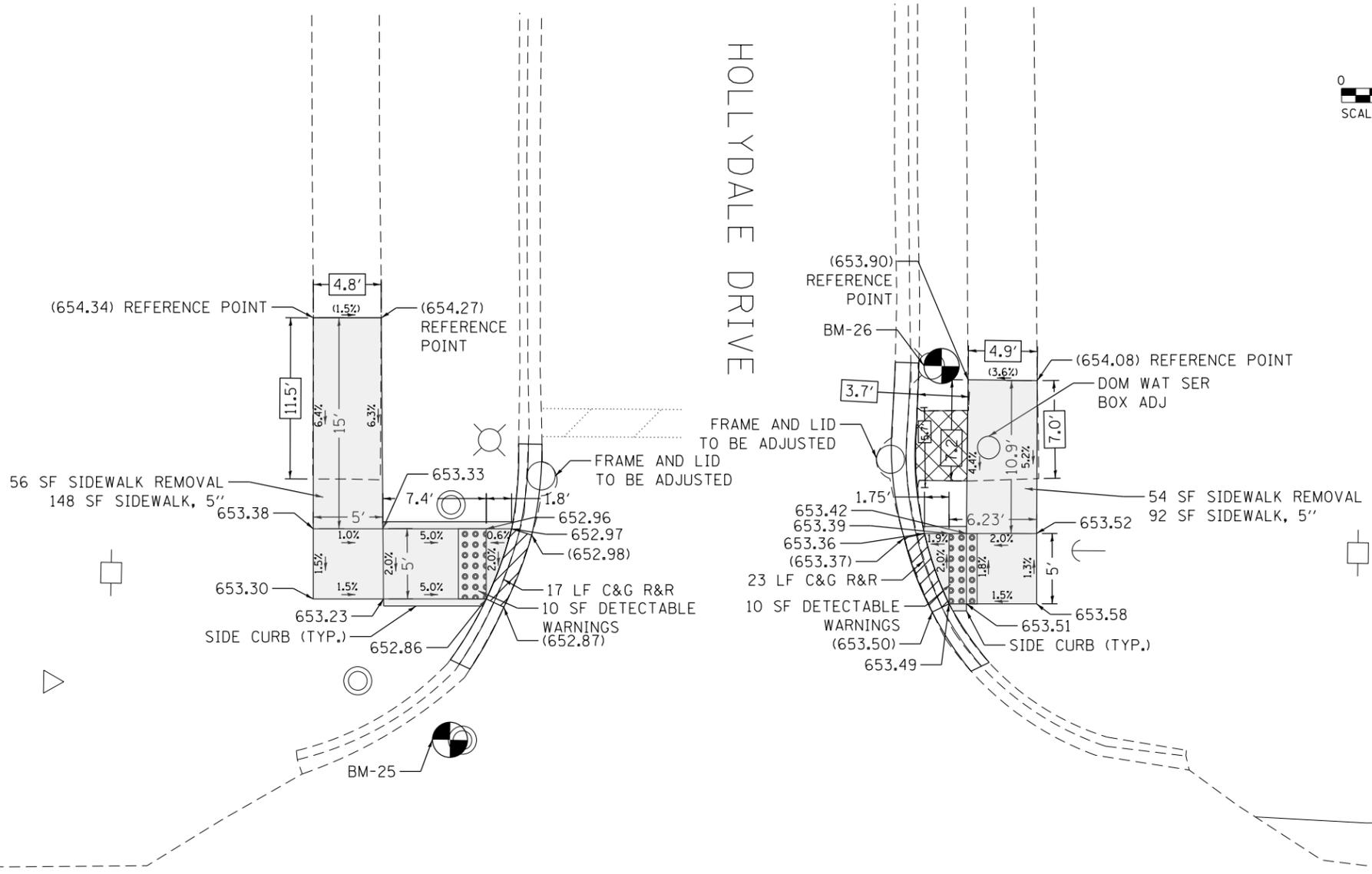
**ADA RAMP DETAILS
GOVERNORS HWY AT 183RD ST**

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

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2820	(144 & 144X) R5	COOK	52	35
CONTRACT NO. 60Y89				
ILLINOIS FED. AID PROJECT				



HOLLYDALE DRIVE



GOVERNORS HIGHWAY

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

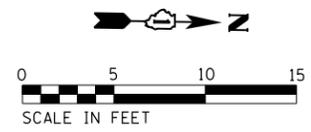
REFERENCE BENCHMARK 25 ELEV 652.838
BENCHMARK: CUT SQUARE ON S'LY SANITARY MANHOLE RIM
LOCATION: SE CORNER OF HOLLYDALE DRIVE AND GOVERNORS HIGHWAY

LEGEND

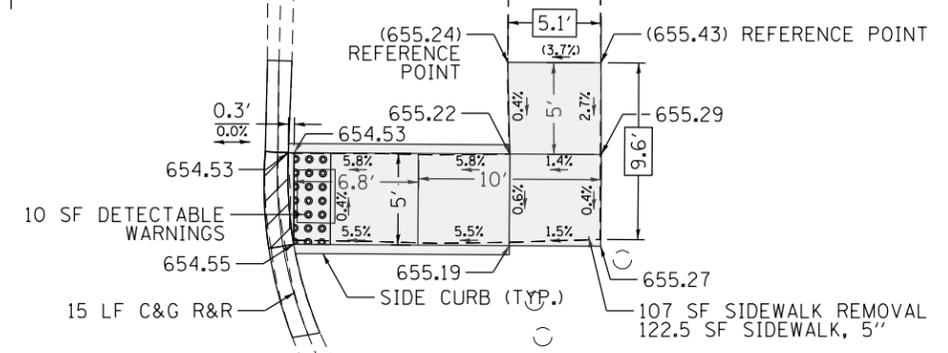
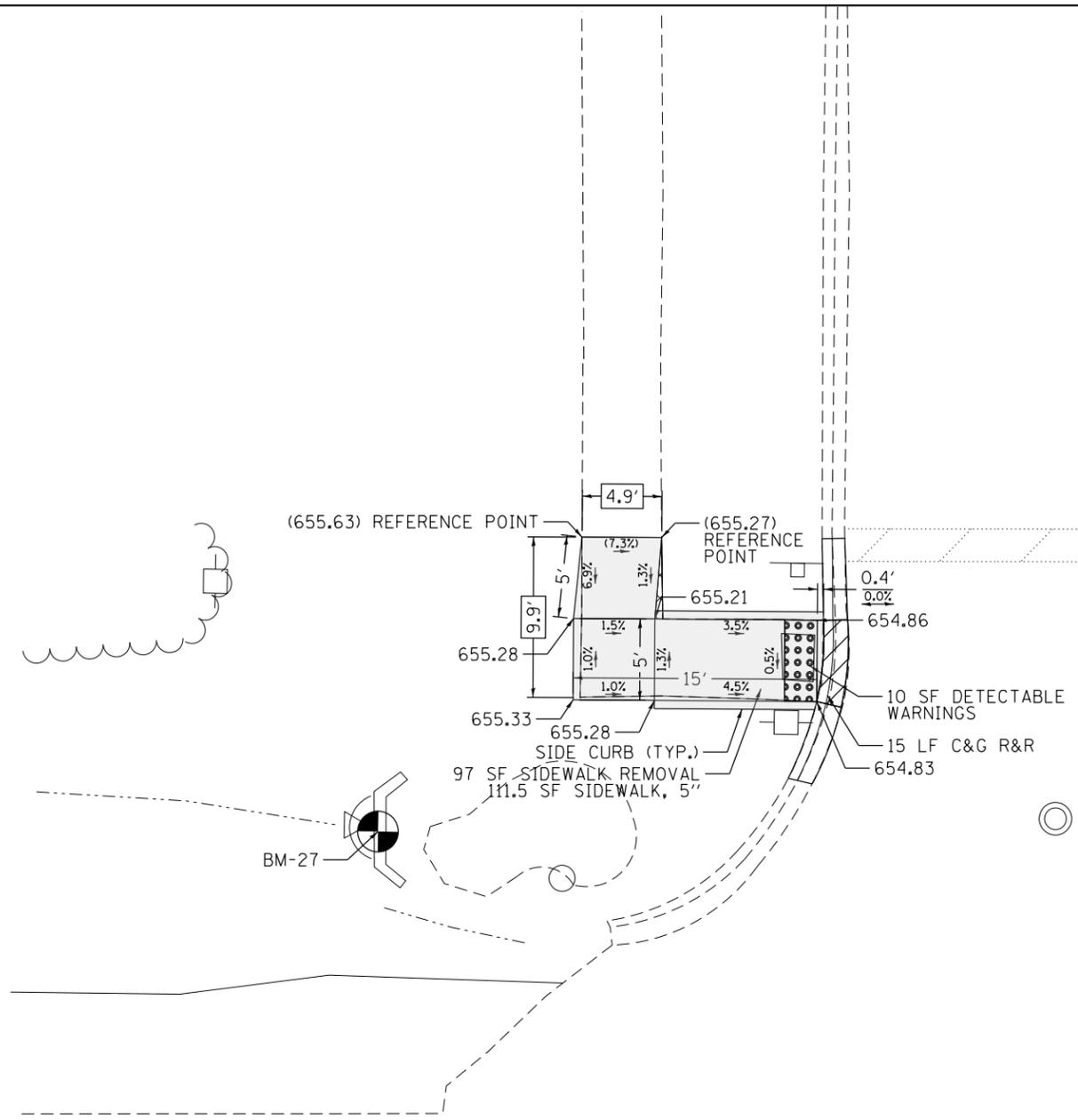
XX.XX'	EXISTING LENGTH		PROPOSED SIDEWALK		DEPRESSED CURB & GUTTER
()	EXISTING ELEVATION/SLOPE		DETECTABLE WARNINGS		SIDEWALK REMOVAL REPLACE W/ TOPSOIL & SOD
=====	PROPOSED SIDE CURB				

REFERENCE BENCHMARK 26 ELEV 654.857
BENCHMARK: CUT CROSS ON NNW FIRE HYDRANT FLANGE BOLT
LOCATION: NW CORNER OF HOLLYDALE DRIVE AND GOVERNORS HIGHWAY

FILE NAME =	USER NAME = mslick	DESIGNED - AN / MS / KW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP DETAILS GOVERNORS HWY AT HOLLYDALE DR	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Z:\17002.01 IDOT DI WOI ADA Ramps Various	Routes\Design\Prelim\Plotsheets\DI60Y89	DRAWN - AN / MS / KW	REVISED -			2820	(144 & 144X) R5	COOK	52	37	
Default	PLOT SCALE = 10.0000' / in.	CHECKED - JH	REVISED -			CONTRACT NO. 60Y89					
	PLOT DATE = 3/13/2017	DATE - 02/09/2017	REVISED -			ILLINOIS FED. AID PROJECT					



CAROLINE DRIVE



GOVERNORS HIGHWAY

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

REFERENCE BENCHMARK 27 ELEV 655.363
BENCHMARK: CUT SQUARE ON CONC. HEADWALL
LOCATION: SW CORNER GOVERNORS HIGHWAY AND CAROLINE DRIVE

LEGEND

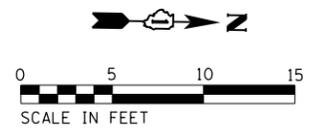
- XX.XX' EXISTING LENGTH
- () EXISTING ELEVATION/SLOPE
- PROPOSED SIDE CURB
- PROPOSED SIDEWALK
- DEPRESSED CURB & GUTTER
- DETECTABLE WARNINGS
- SIDEWALK REMOVAL
REPLACE W/ TOPSOIL & SOD

FILE NAME =	USER NAME = mslick	DESIGNED - AN / MS / KW	REVISED -
Z:\17002.01\DOT DI WOI ADA Ramps Various	Routes\Design\Prelim\Plotsheets\DI60Y89	DRAWN - JH / MS / KW	REVISED -
Default	PLOT SCALE = 10.0000' / in.	CHECKED - JH	REVISED -
	PLOT DATE = 3/13/2017	DATE - 02/09/2017	REVISED -

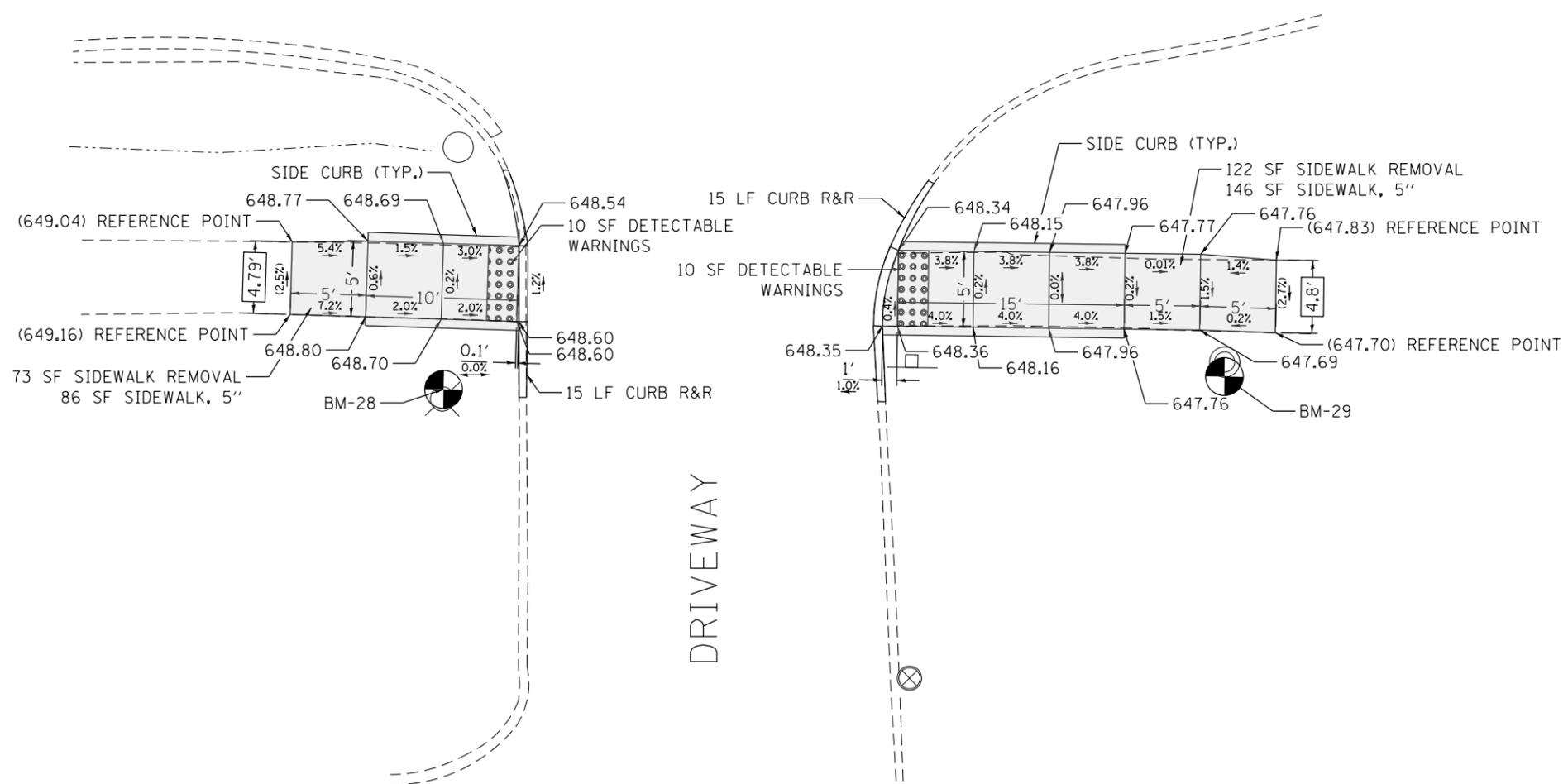
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAILS			
GOVERNORS HWY AT CAROLINE DRIVE			
SCALE: 1" = 5'	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2820	(144 & 144X) R5	COOK	52	38
CONTRACT NO. 60Y89				
ILLINOIS FED. AID PROJECT				



GOVERNORS HIGHWAY



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

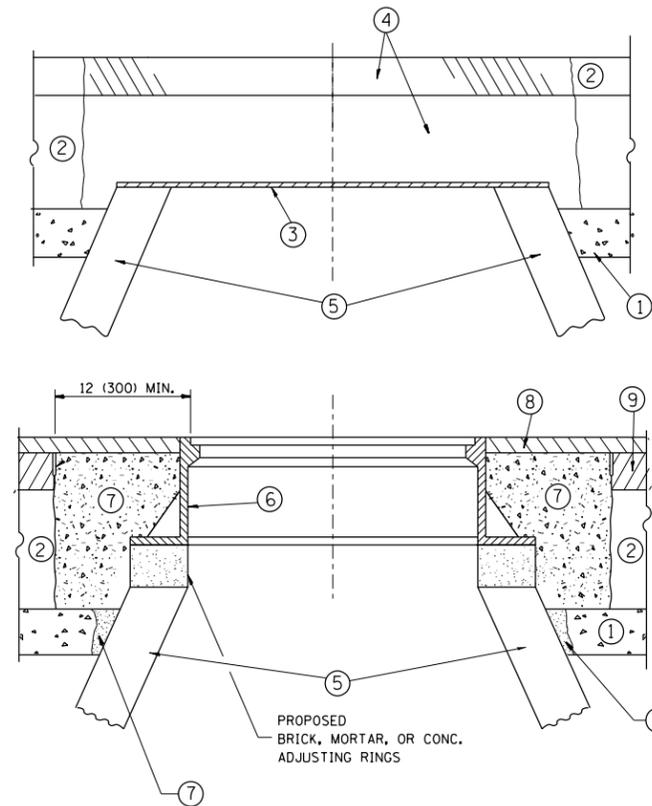
REFERENCE BENCHMARK 28 ELEV 649.323
BENCHMARK: CUT SQUARE ON THE W. SIDE OF CONC. LIGHT POLE BASE
LOCATION: THE SE CORNER OF INTERSECTION

LEGEND

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

REFERENCE BENCHMARK 29 ELEV 647.869
BENCHMARK: CUT CROSS ON THE E. RIM OF SANITARY MANHOLE
LOCATION: THE NE CORNER OF INTERSECTION

FILE NAME =	USER NAME = mslick	DESIGNED - AN / MS / KW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ADA RAMP DETAILS GOVERNORS HWY AT DRIVEWAY NORTH OF CAROLINE DR	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Z:\17002.01 IDOT DI WOI ADA Ramps Various	Routes\Design\Prelim\Plotsheets\DI60Y89	DRAWN - AN / MS / KW	REVISED -			2820	(144 & 144X) R5	COOK	52	39	
Default	PLOT SCALE = 10.0000' / in.	CHECKED - JH	REVISED -			CONTRACT NO. 60Y89					
	PLOT DATE = 3/13/2017	DATE - 02/09/2017	REVISED -			SCALE: 1" = 5'	SHEET	OF	SHEETS	STA.	TO



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

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

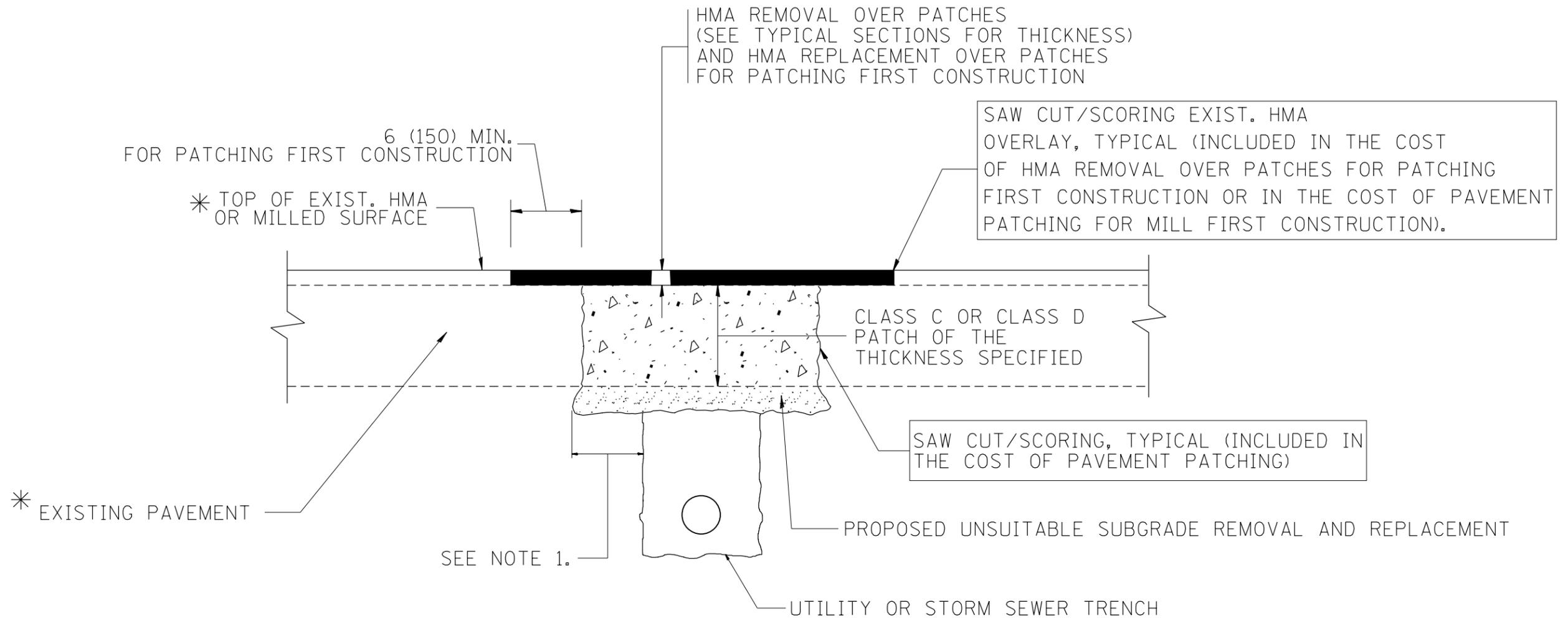
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 2/15/2017	DATE - 10-25-94	REVISED - R. BORO 12-06-11

**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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2820	(144 & 144X) RS	COOK	52	40
BD600-03 (BD-8)		CONTRACT NO. 60Y89		
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)

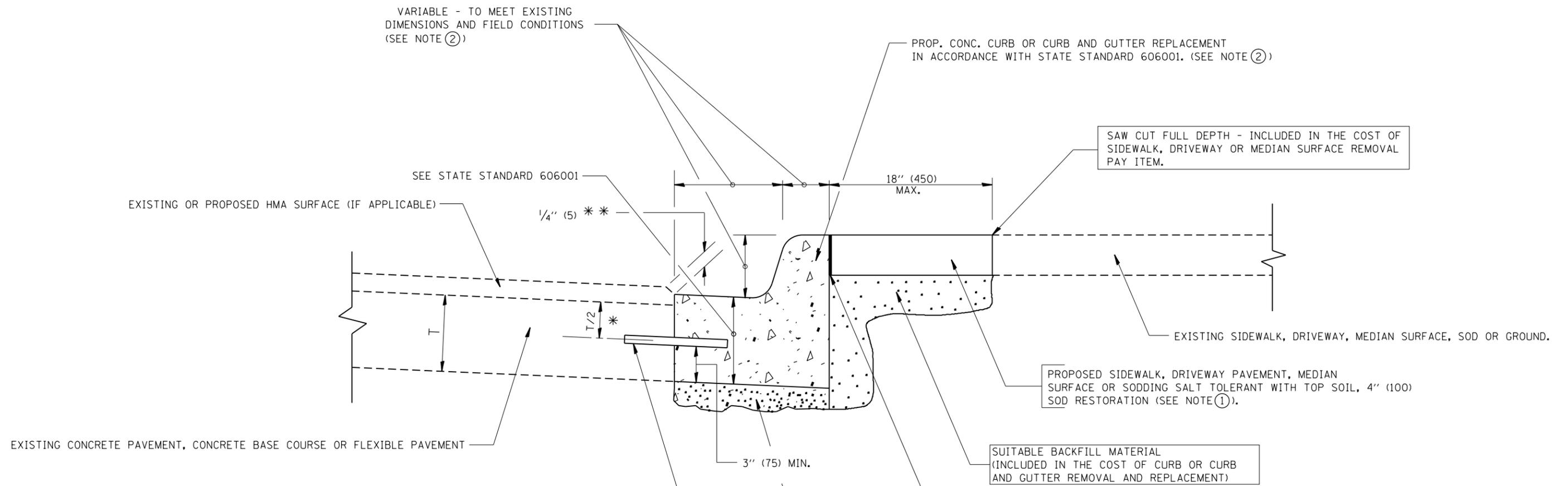
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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 = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI033\Drawings\Design\DistStd.dgn	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 01-01-07					2820	(144 & 144X) RS	COOK	52	41
	PLOT DATE = 2/15/2017	DATE - 10-25-94	REVISED - R. BORO 09-04-07		BD400-04 (BD-22)			CONTRACT NO. 60Y89				
			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		



- * 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.

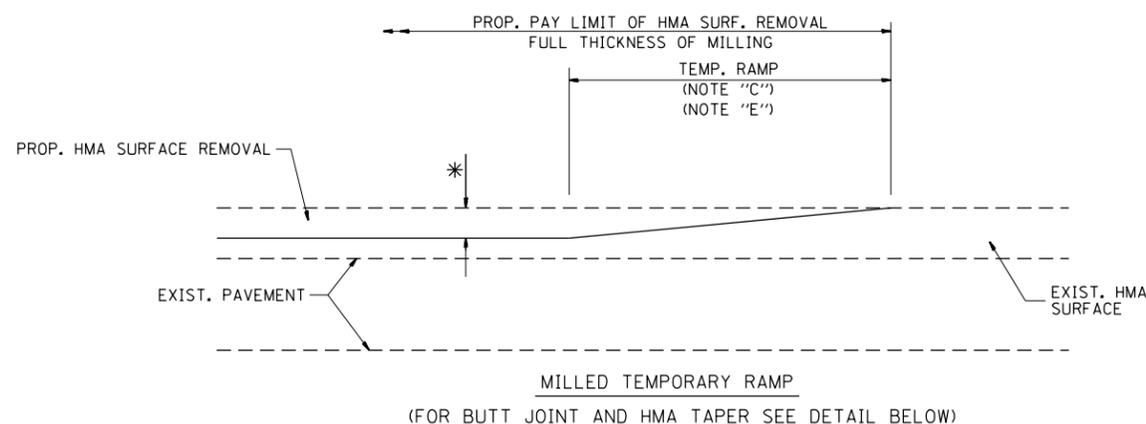
- PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)
- UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, 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 USUABLE 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".

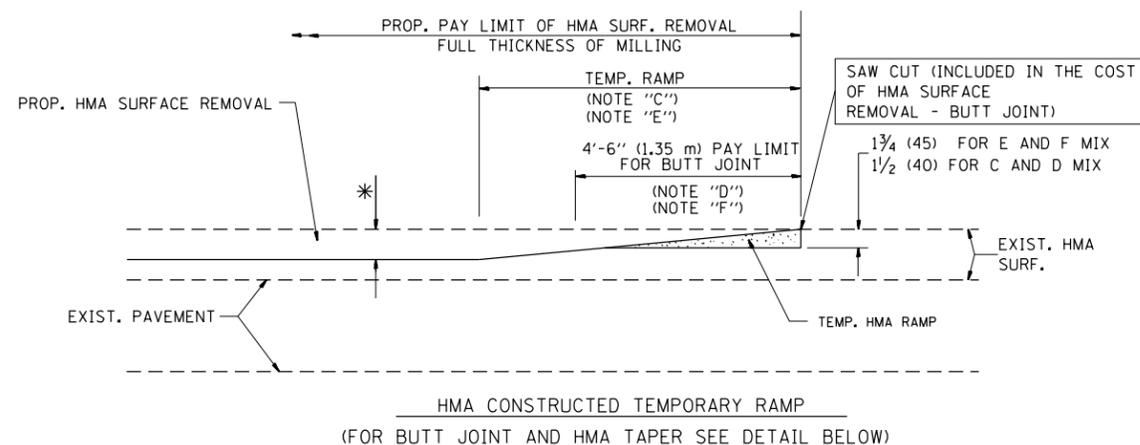
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = bauerdl	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.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
			REVISED - A. ABBAS 03-21-97			2820	(144 & 144X) RS	COOK	52	42	
			REVISED - M. GOMEZ 01-22-01			BD600-06 (BD-24)		CONTRACT NO. 60Y89			
			REVISED - R. BORO 12-15-09			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
PLOT SCALE = 1/8" = 1' / in.		CHECKED -	DATE - 03-11-94	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.				

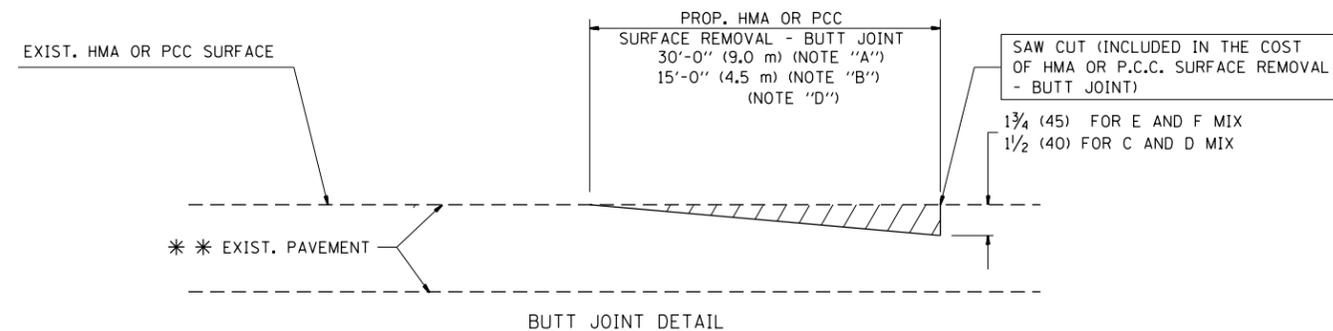


OPTION 1

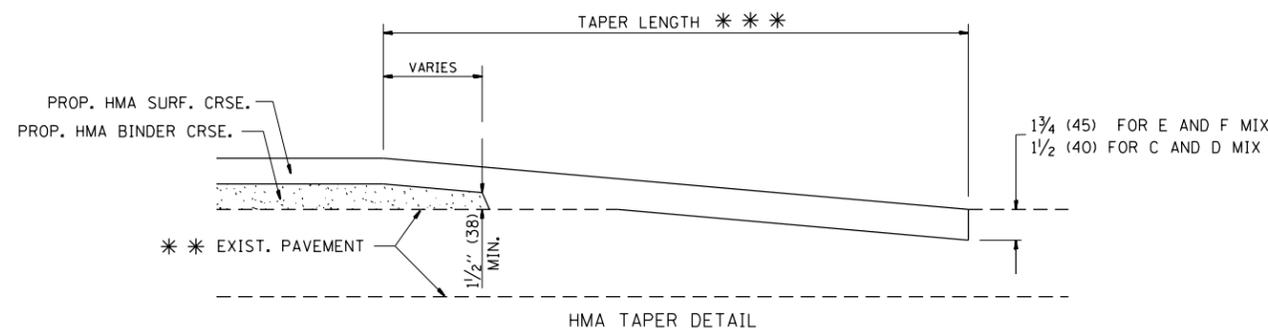


OPTION 2

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.

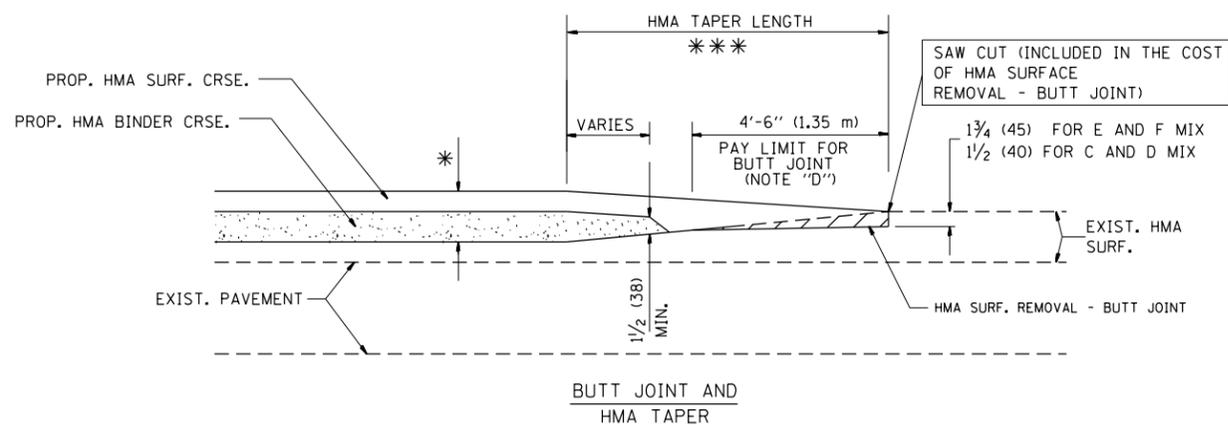
NOTES

- 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

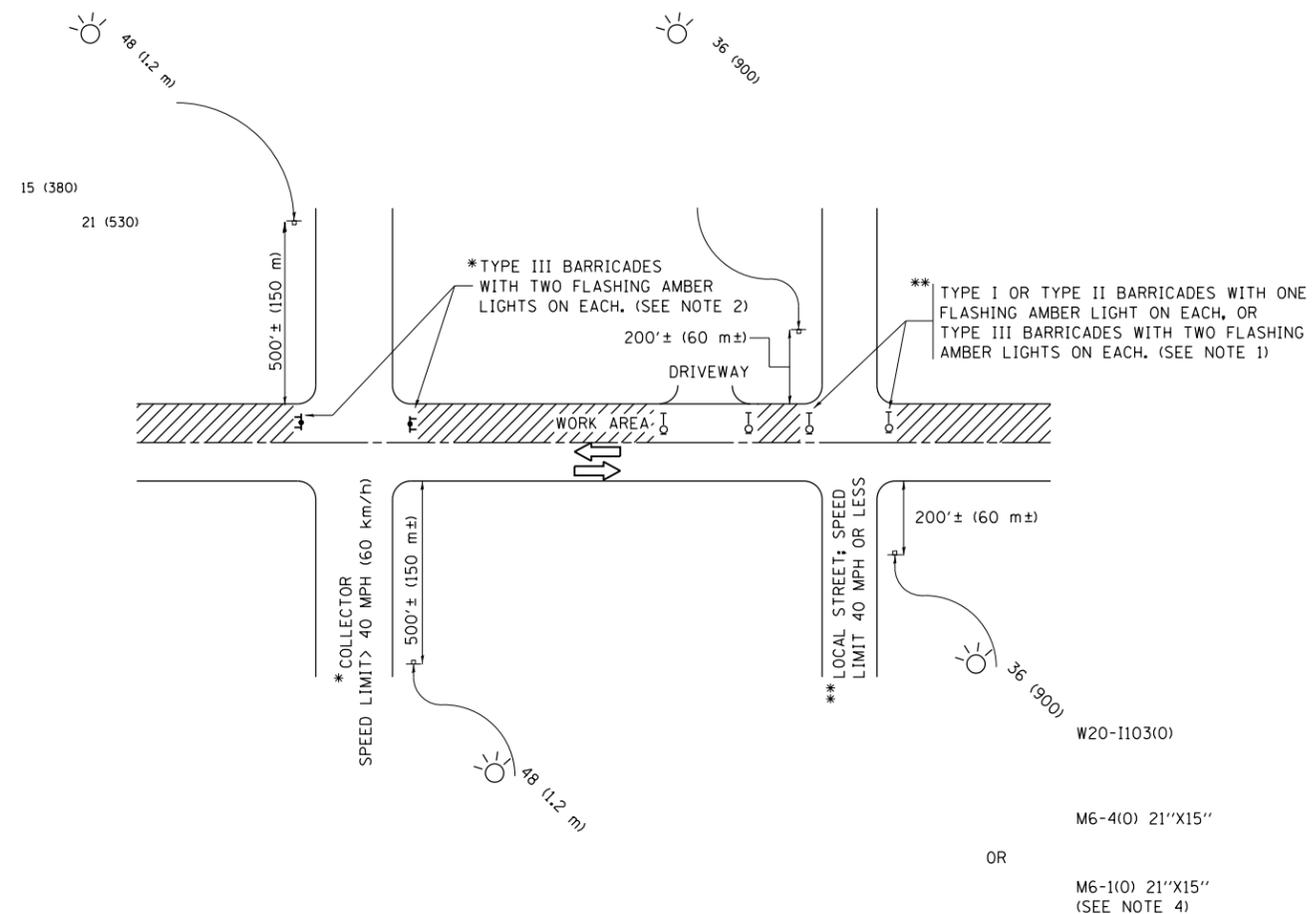
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 2/15/2017	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**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.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2820	(144 & 144X) RS	COOK	52	43
BD400-05 BD32		CONTRACT NO. 60Y89		
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.

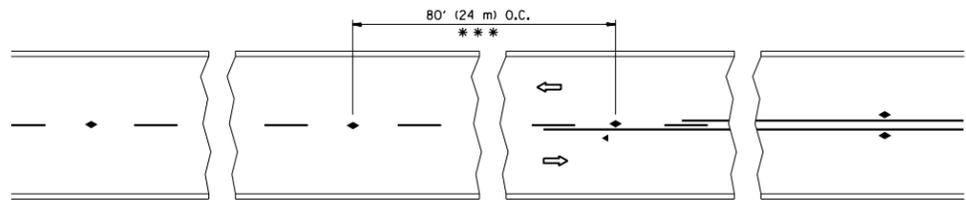
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Default	PLOT SCALE = 100.0000' / in.	DATE - 06-89	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 2/15/2017		REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

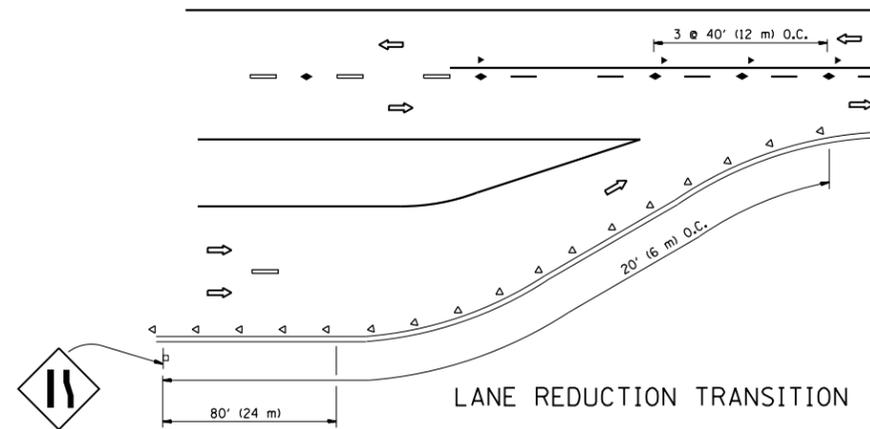
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 60Y89	
ILLINOIS FED. AID PROJECT				

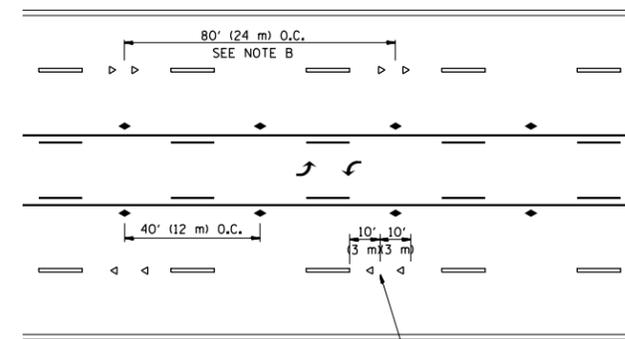


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

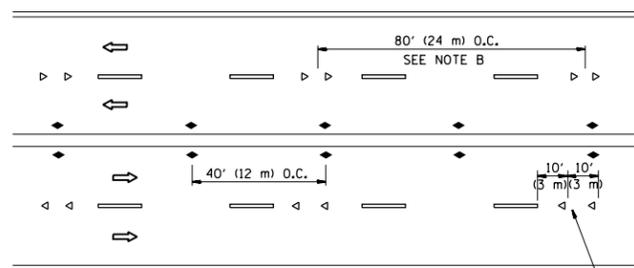
TWO-LANE/TWO-WAY



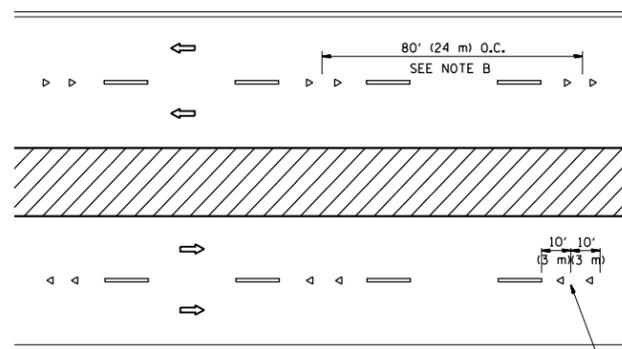
LANE REDUCTION TRANSITION



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

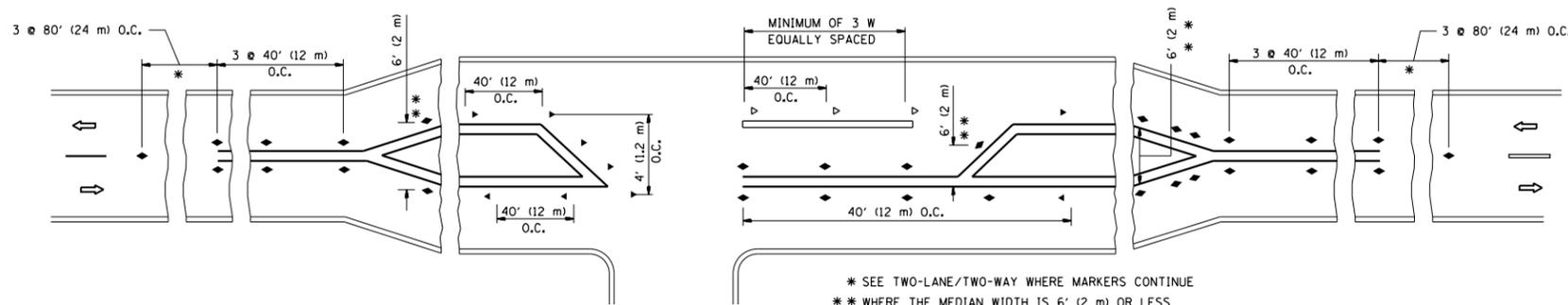
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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

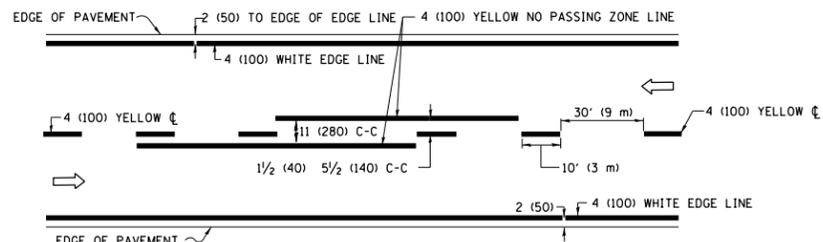
All dimensions are in inches (millimeters) unless otherwise shown.

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		DATE -	REVISED - T. RAMMACHER 01-06-00
			REVISED - C. JUCIUS 09-09-09

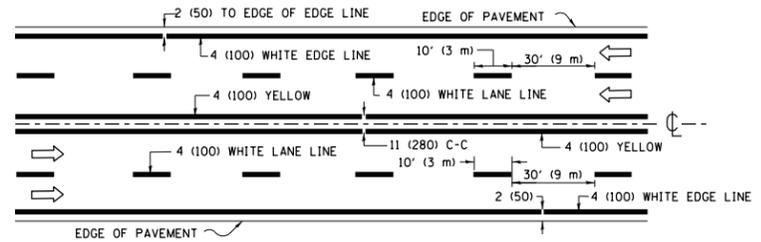
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

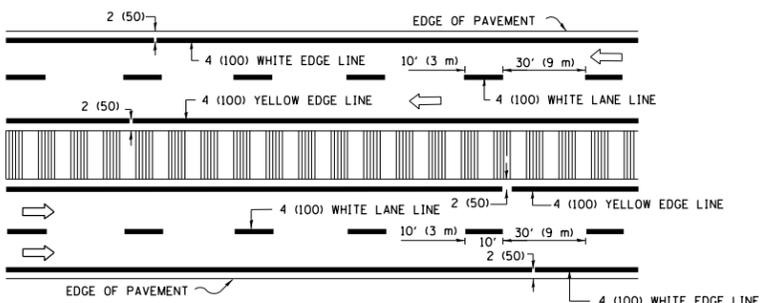
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2820	(144 & 144X) RS	COOK	52	46
TC-11		CONTRACT NO. 60Y89		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

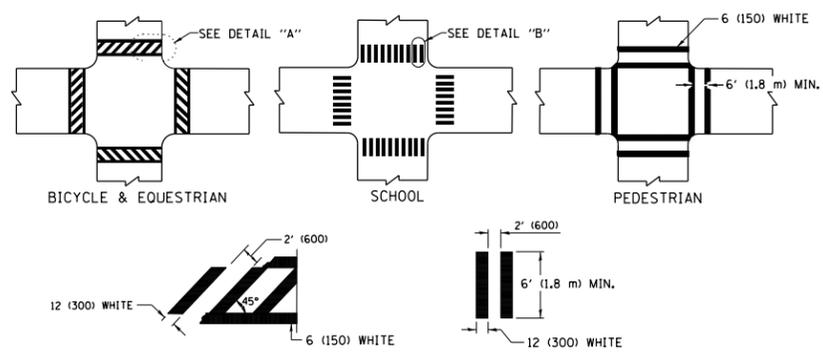


MULTI-LANE UNDIVIDED



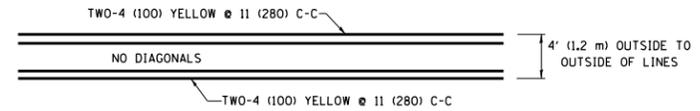
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

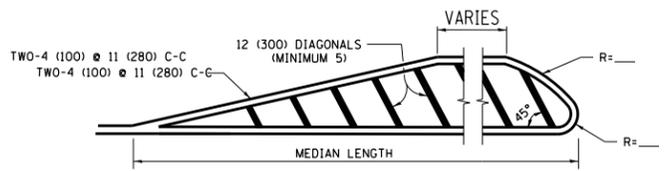


TYPICAL CROSSWALK MARKING

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

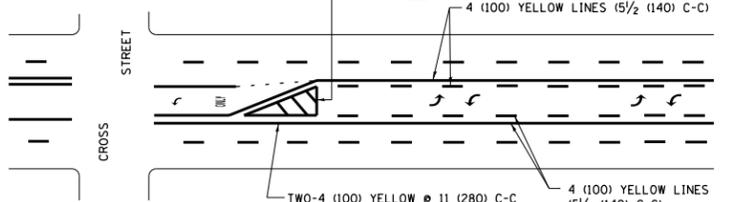


4' (1.2 m) WIDE MEDIANS ONLY



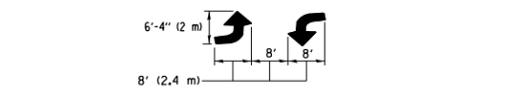
MEDIANS OVER 4' (1.2 m) WIDE

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))



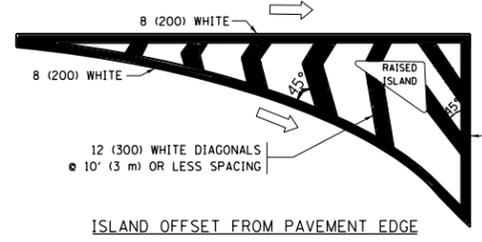
**MEDIAN WITH TWO-WAY LEFT TURN LANE
TYPICAL PAINTED MEDIAN MARKING**

A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

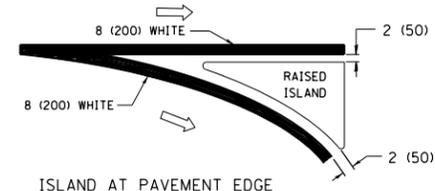


**TYPICAL LEFT (OR RIGHT) TURN LANE
TYPICAL TURN LANE MARKING**

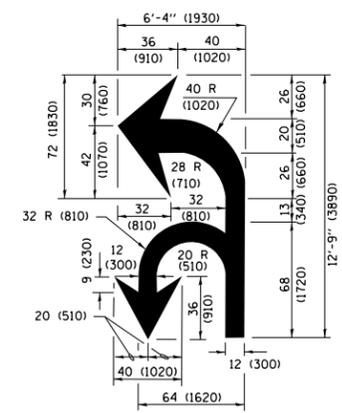
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



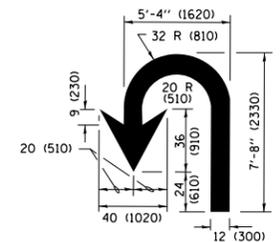
ISLAND OFFSET FROM PAVEMENT EDGE



**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 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 = bauerdl	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
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	PLOT DATE = 2/15/2017	DATE - 03-19-90	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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2820	(144 & 144X) RS	COOK	52	47
TC-13		CONTRACT NO. 60Y89		
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

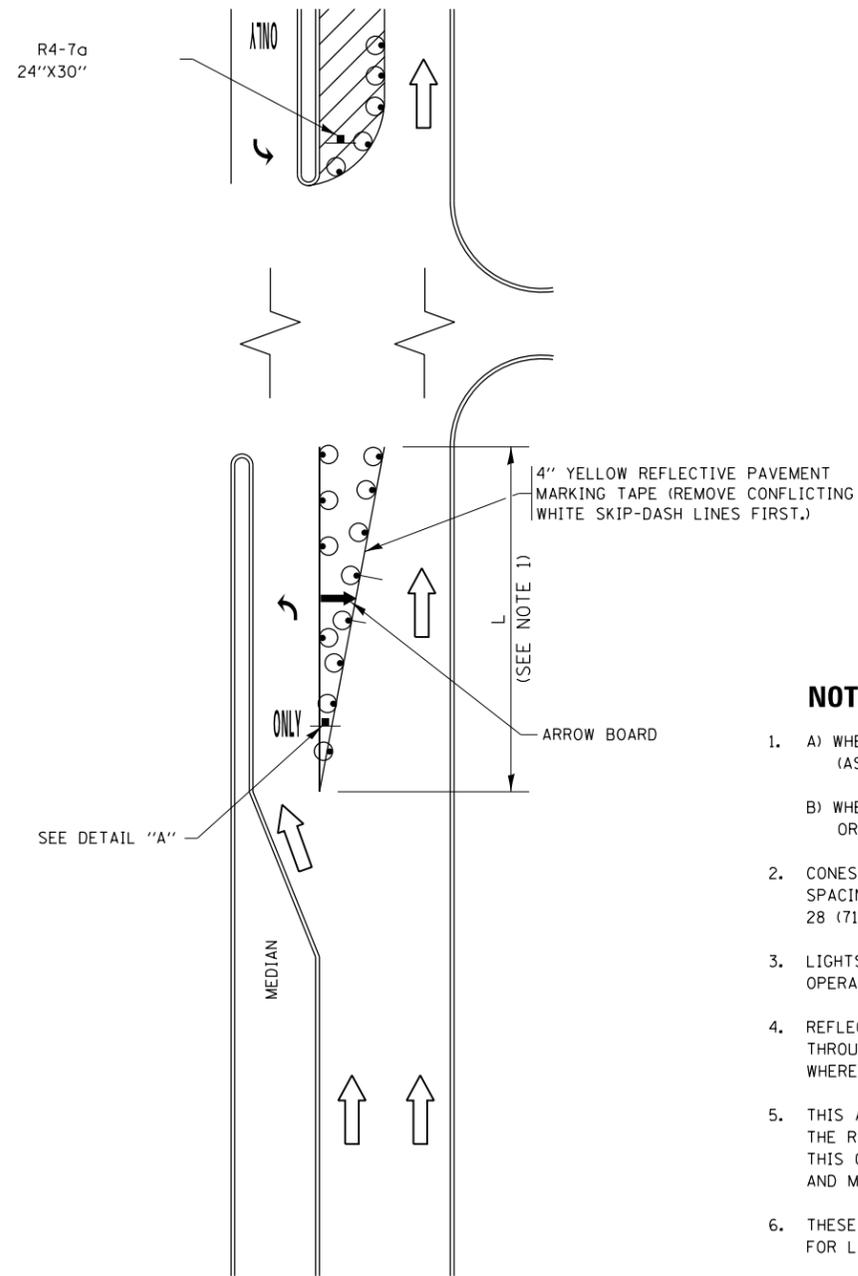


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

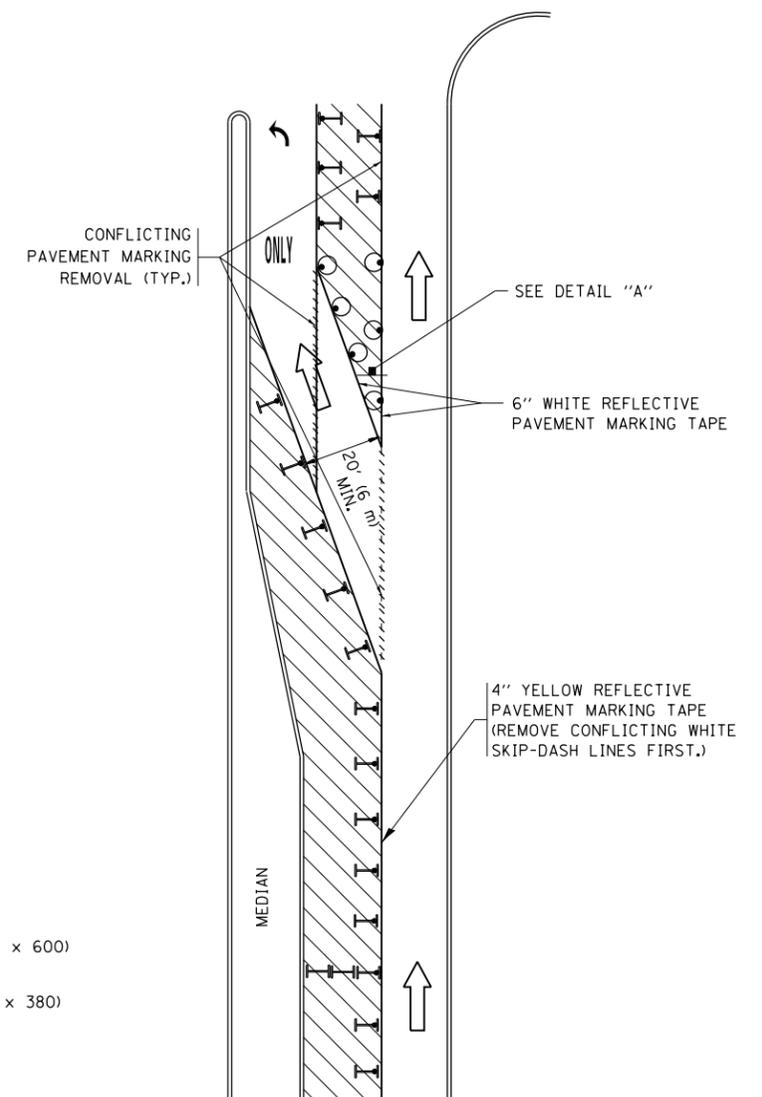
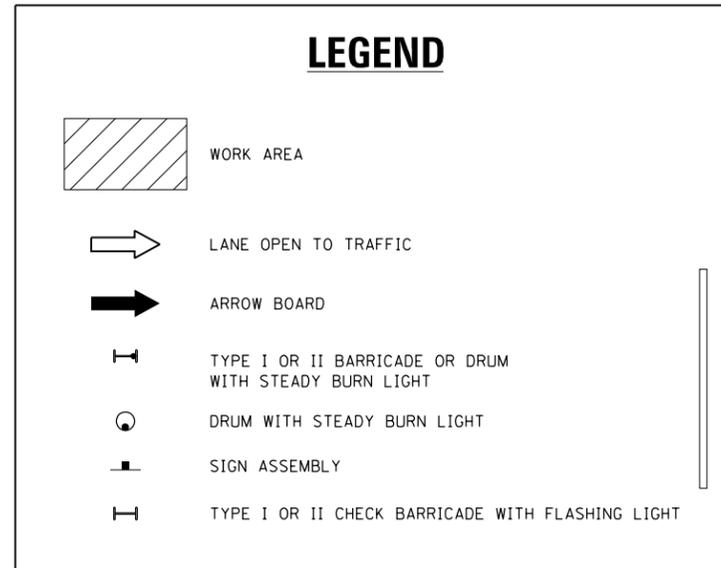
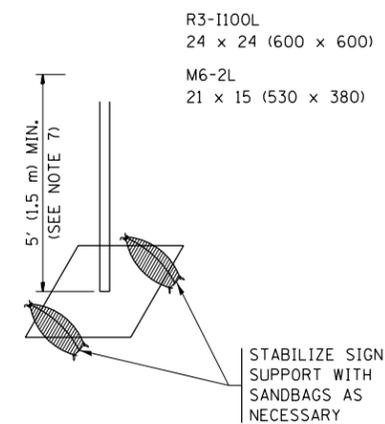


FIGURE 2



NOTES:

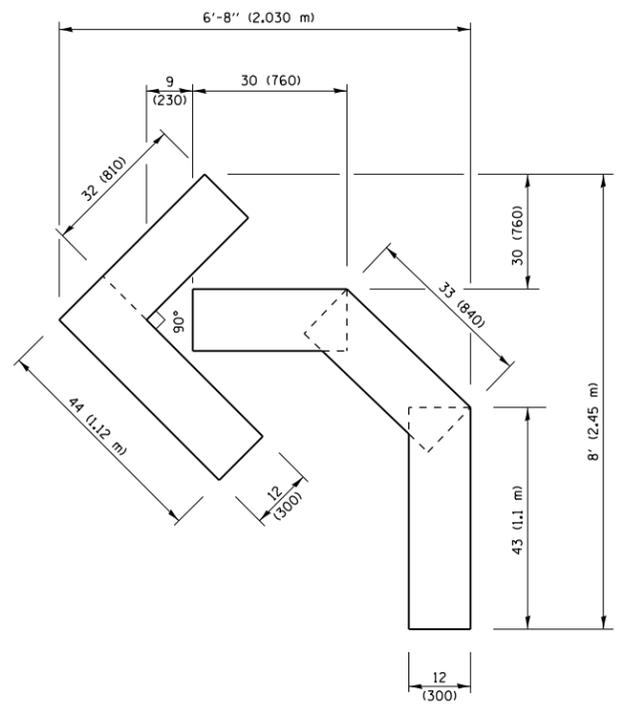
1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. 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-I100R 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.



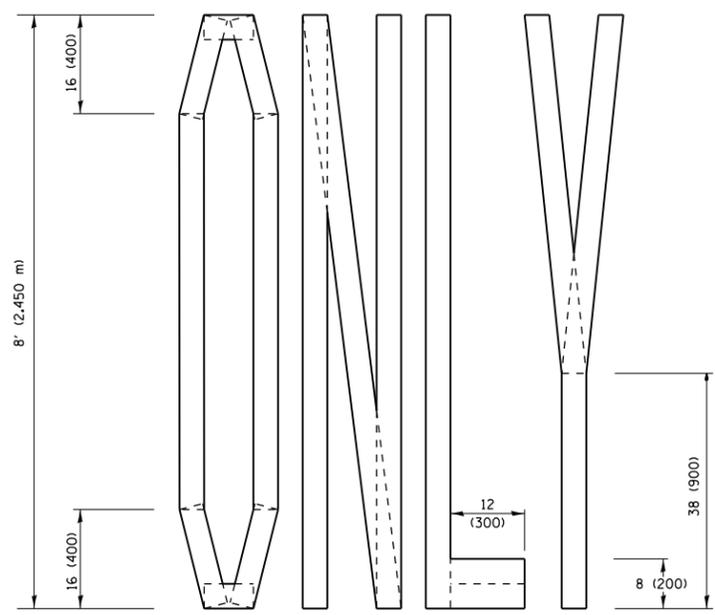
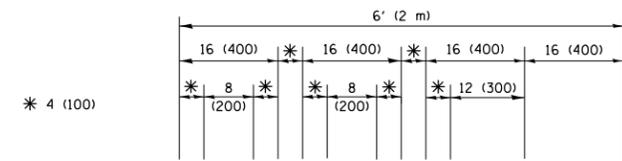
DETAIL A

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

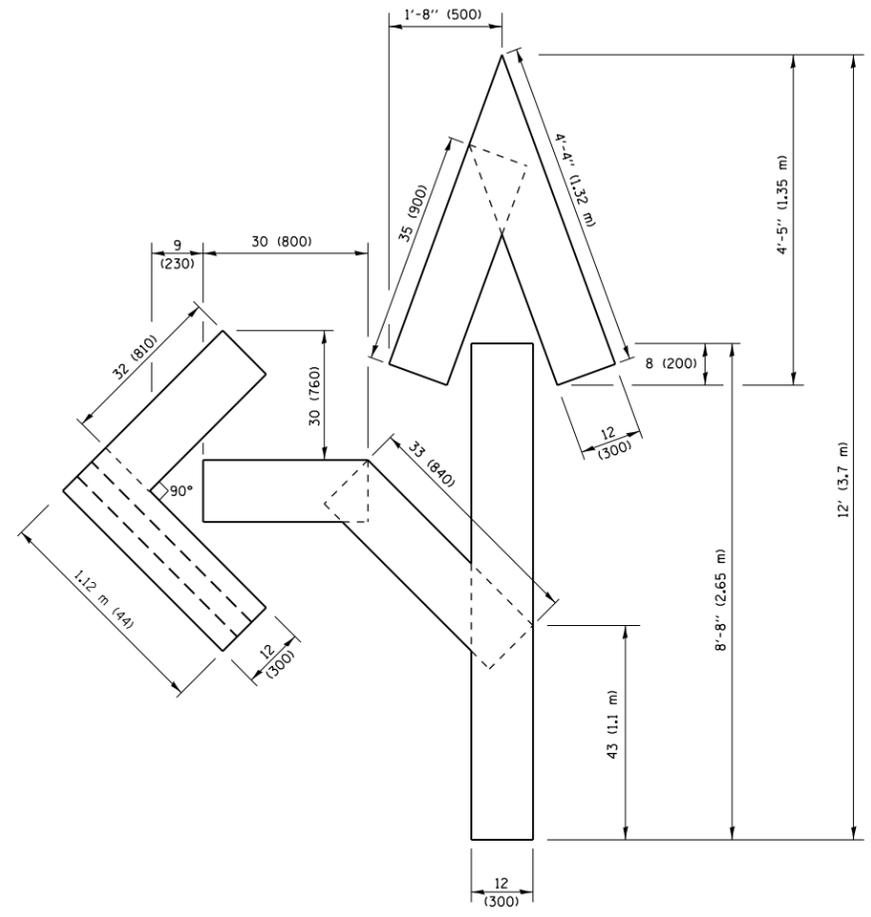
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Default		REVISED - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13					2820	(144 & 144X) RS	COOK	52	48
	PLOT SCALE = 100.0000' / in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16		TC-14			CONTRACT NO. 60Y89				
	PLOT DATE = 2/15/2017	REVISED - T. RAMMACHER 01-06-00	REVISED -		ILLINOIS FED. AID PROJECT							



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

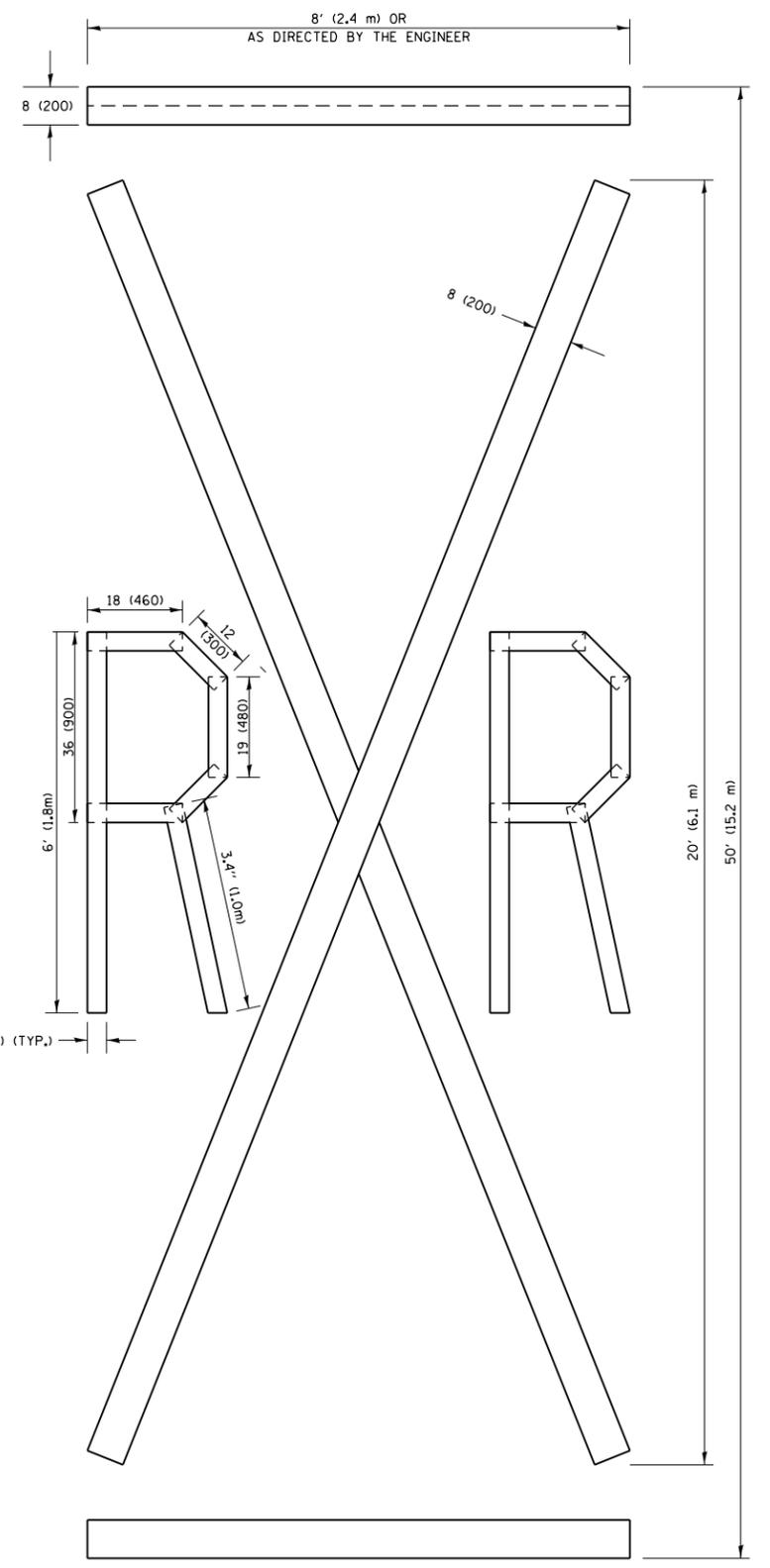


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



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)

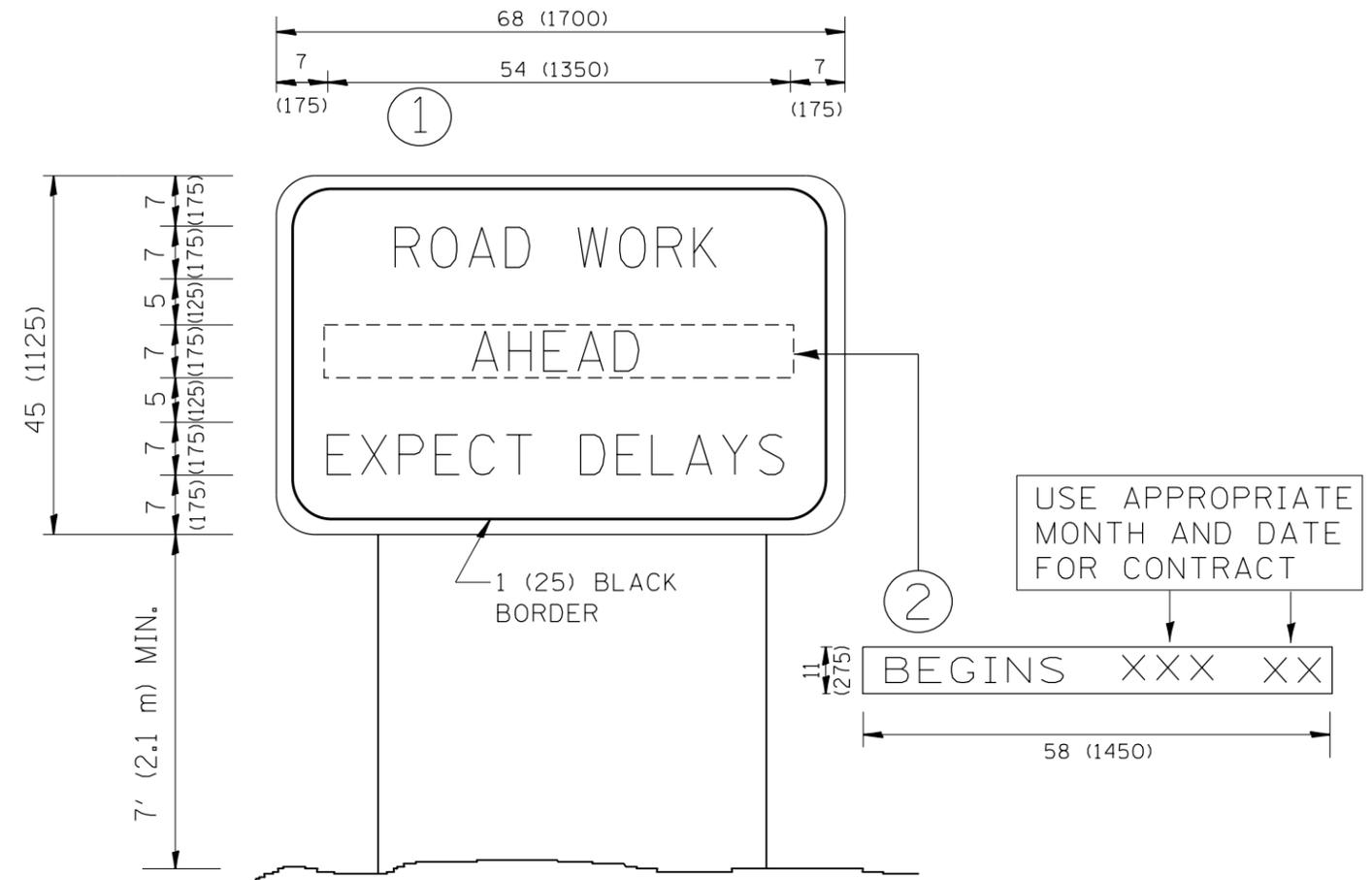
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = bauerdl	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
p:\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\01833\Drawings\Design\DistStd.dgn		CHECKED -	REVISED - E. GOMEZ 08-28-00
		DATE - 09-18-94	REVISED - E. GOMEZ 08-28-00
			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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2820	(144 & 144X) RS	COOK	52	49
TC-16		CONTRACT NO. 60Y89		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

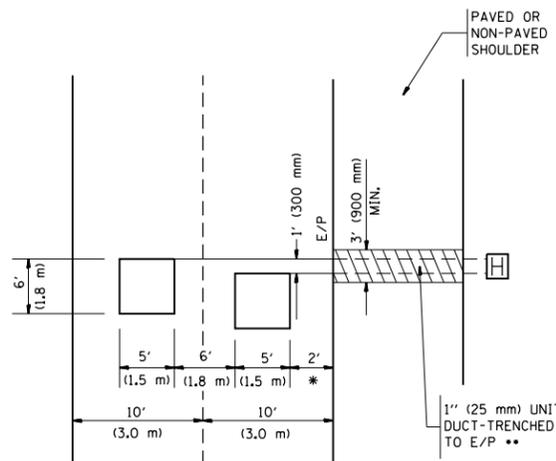
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
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 = bauerdl	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI033\Drawings\Design\DistStd.dgn		REVISION	REVISED - R. MIRS 12-11-97			2820	(144 & 144X) RS	COOK	52	50	
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99				TC-22		CONTRACT NO. 60Y89			
PLOT DATE = 2/15/2017	DATE -	REVISED - C. JUCIUS 01-31-07				SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		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.



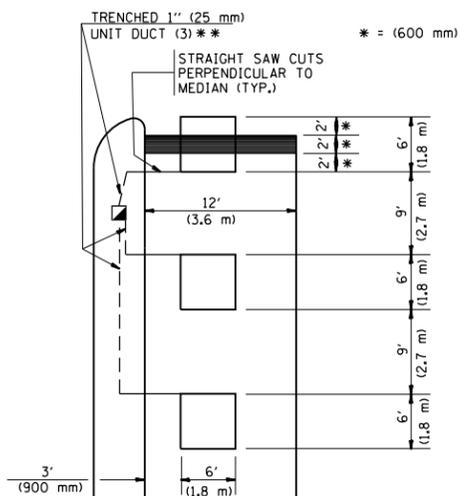
* = (600 mm)

** 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.

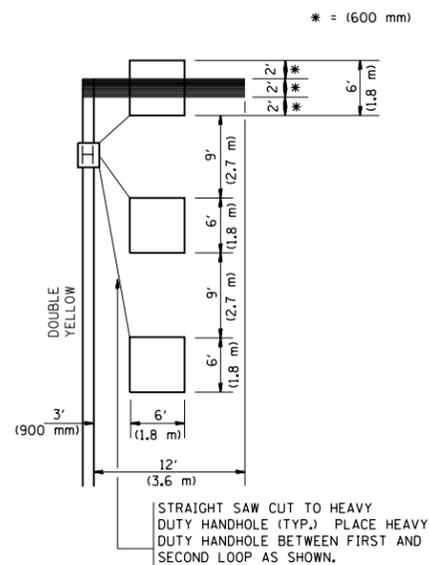


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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

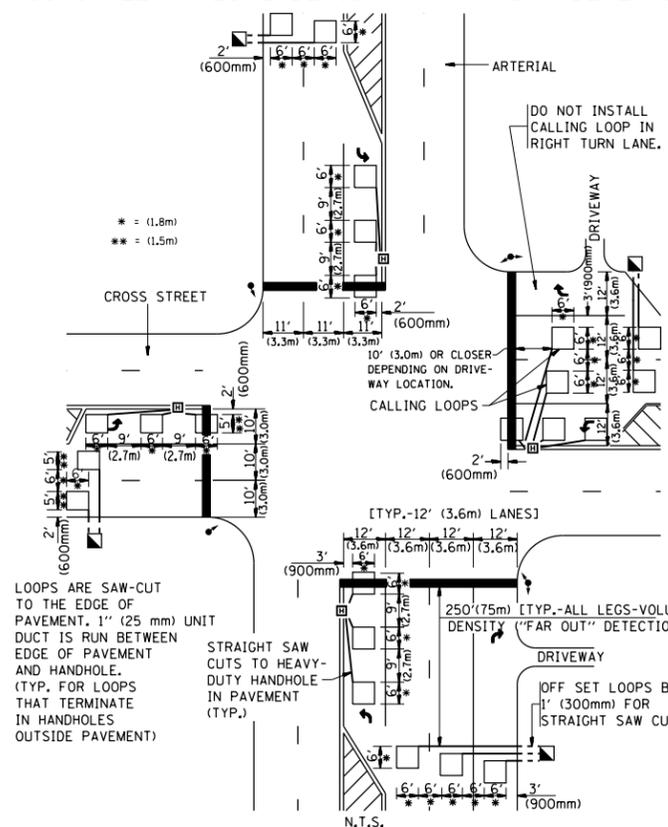
**LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH**

(PROTECTED / PERMITTED LEFT TURN PHASING)



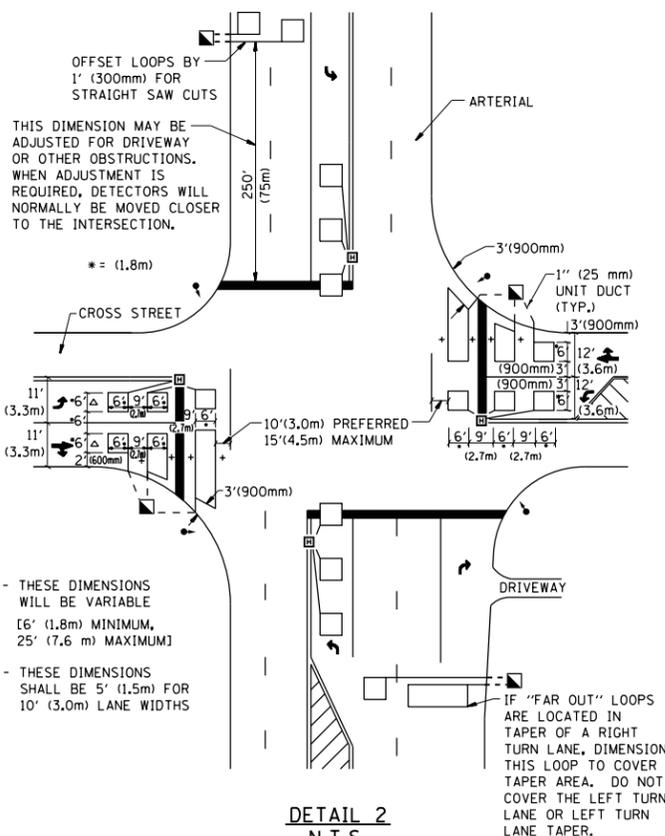
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**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

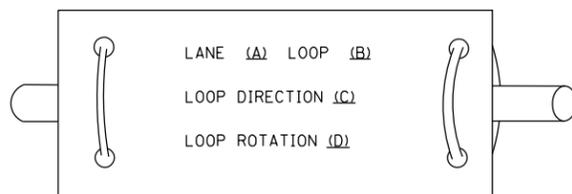
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

FILE NAME =	USER NAME = bauerdl	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING			F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\084EBID\INTEG.illinois.gov\PIW001\Documents\IDOT Offices\District 1\Projects\DI033\Drawings\Design\DistStd.dgn		DRAWN -	REVISED -					2820	(144 & 144X) RS	COOK	52	51
PLOT SCALE = 100.0000' / 1in.		CHECKED - R.K.F.	REVISED -					TS-07			CONTRACT NO. 60Y89	
PLOT DATE = 2/15/2017		DATE -	REVISED -					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
				SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.					

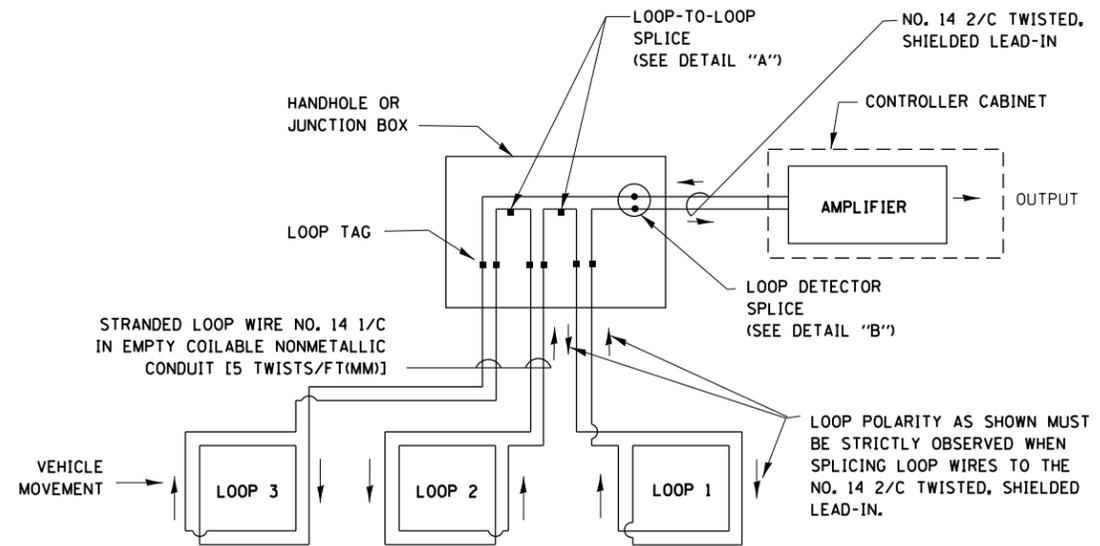
LOOP DETECTOR NOTES

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

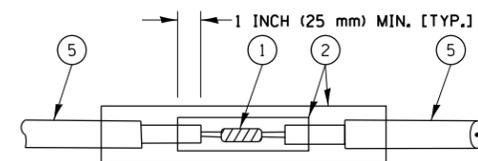


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

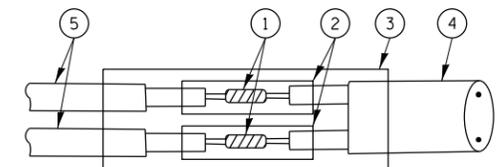


DETECTOR LOOP WIRING SCHEMATIC

- 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.

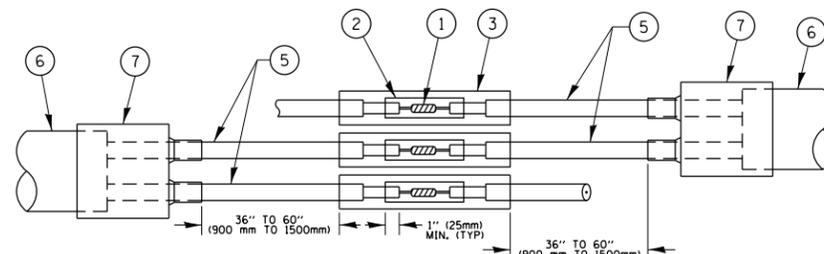


DETAIL "A"
LOOP-TO-LOOP SPLICE

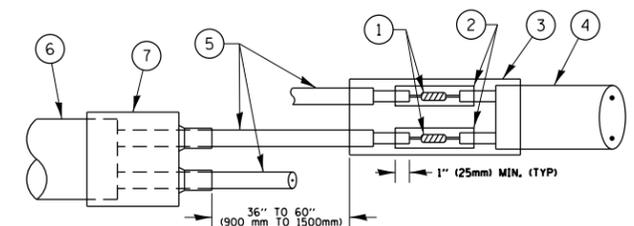


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PRE-FORMED LOOP

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 = bauerdl	DESIGNED -	REVISED -
p:\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI033\Drawings\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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TS-05		52	52
		CONTRACT NO.		
ILLINOIS FED. AID PROJECT				