

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2846	(55-1414R)RS-1	COOK	30	1
ILLINOIS			CONTRACT NO. 62F81	

*30+1 = 31 TOTAL SHEETS

D-91-210-18

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT LOCATED IN THE CITY OF BLUE ISLAND

PROPOSED
HIGHWAY PLANS

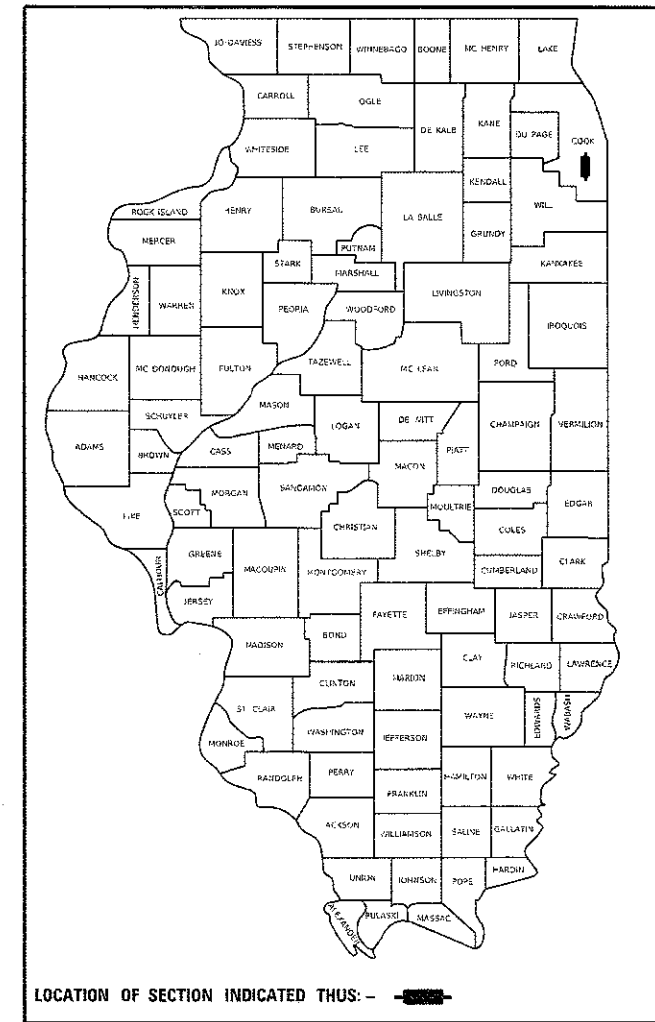
FAU ROUTE 2846: GREGORY ST. FROM
127TH STREET TO WESTERN AVENUE.
SECTION: (55-1414R)RS-1
RESURFACING (3P)/PEDESTRIAN RAMPS
PROJECT: STP-E71C(599)
COOK COUNTY
C-91-059-18

TRAFFIC DATA

2014 ADT
GREGORY STREET = 5100 ADT

POSTED SPEED LIMIT

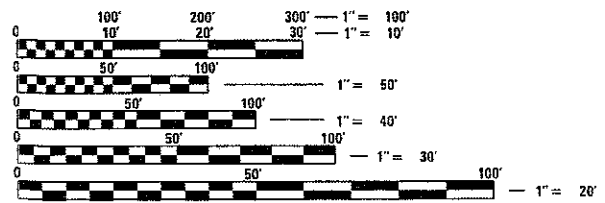
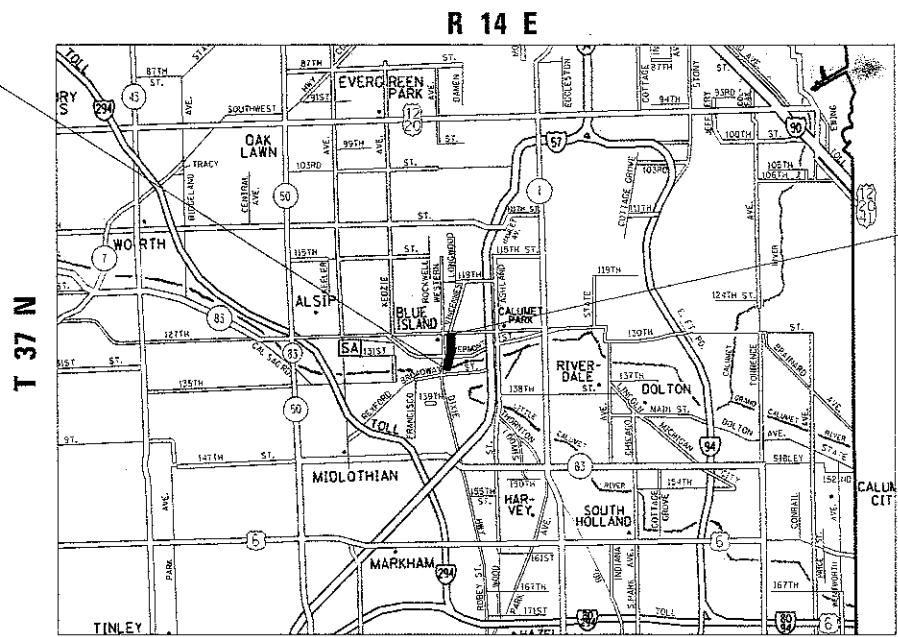
GREGORY STREET = 25 MPH



IMPROVEMENT BEGINS
STA 33+83

OMISSION
STA 41+36 TO 43+33

IMPROVEMENT ENDS
STA 67+31



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

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

PROJECT ENGINEER: ALAIN MIDY (847)221-3056
PROJECT MANAGER: FAWAD AQUEEL (847)705-4247

GROSS LENGTH = 3,368 FT. = 0.638 MILE
NET LENGTH = 3,171 FT. = 0.600 MILE

CONTRACT NO. 62F81

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED MARCH 13 2018
Anthony J. Quigley / CBS
REGIONAL ENGINEER
May 11 2018
Paul P. [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT
May 11 2018
Paul P. [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

STATE STANDARDS

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30	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)

<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
00001-00	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-10	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-03	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-03	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-04	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-04	DEPRESSED CORNER FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
604001-04	FRAME AND LIDS, TYPE 1
606001-07	COMBINATION CONCRETE CURB AND GUTTER
606201-04	TYPE B GUTTER (INLET, OUTLET & ENTRANCE)
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701427-05	LANE CLOSURE, MULTILANE, INTERMITTEN OR MOVING OPERATION, FOR SPEEDS ≤40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W, WITH NONTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-07	TRAFFIC CONTROL DEVICES

GENERAL NOTES

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE CITY OF BLUE ISLAND.

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

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

ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

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

FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.

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

THE RESIDENT ENGINEER SHALL CONTACT PATRICE HARRIS, AREA TRAFFIC FIELD ENGINEER, AT PATRICE.HARRIS@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

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

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

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

OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.

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

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

THE COST OF SURFACE REMOVAL IN THE GUTTER FLAG SHALL BE INCLUDED IN THE COST OF OF "HOT-MIX ASPHALT SURFACE REMOVAL 2 1/4" PAY ITEM.

ALL COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

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

CONTACT THE IDOT ROADSIDE DEVELOPMENT UNIT AT 847-705-4171 AT LEAST 2 WEEKS PRIOR TO BEGINNING FORESTRY WORK FOR LAYOUT.

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	DRAWN -	REVISED -
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PLOT DATE = 3/23/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES
GREGORY ST. FROM 127TH ST. TO WESTERN AVE.**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2846	(55-1414R)RS-1	COOK	30	2
CONTRACT NO. 62F81			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	80% FED 20% STATE 0005			
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	114	114			
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	30	30			
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	4	4			
20101400	NITROGEN FERTILIZER NUTRIENT	POUND	1	1			
20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	1	1			
20200100	EARTH EXCAVATION	CU YD	48	48			
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	135	135			
25000312	SEEDING, CLASS 4A	ACRE	0.1	0.1			
25200110	SODDING, SALT TOLERANT	SO YD	122	122			
25200200	SUPPLEMENTAL WATERING	UNIT	1	1			
28001100	TEMPORARY EROSION CONTROL BLANKET	SO YD	400	400			
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	11810	11810			
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	27	27			
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4, 75, N50	TON	732	732			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	216	216			
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	460	460			

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	80% FED 20% STATE 0005			
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1480	1480			
42001300	PROTECTIVE COAT	SO YD	800	800			
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	25	25			
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	5100	5100			
42400800	DETECTABLE WARNINGS	SO FT	443	443			
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	17500	17500			
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	25	25			
44000600	SIDEWALK REMOVAL	SO FT	5100	5100			
44002209	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 2 1/4"	SO YD	2730	2730			
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SO YD	700	700			
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SO YD	665	665			
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SO YD	950	950			
56109210	WATER VALVES TO BE ADJUSTED	EACH	3	3			
60250200	CATCH BASINS TO BE ADJUSTED	EACH	6	6			
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	2	2			

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PLOT DATE = 3/23/2018			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GREGORY ST. FROM 127TH ST. TO WESTERN AVE.
SUMMARY OF QUANTITIES**

F.A.U. RTE. 2846	SECTION (55-1414R)RS-1	COUNTY COOK	TOTAL SHEETS 30	SHEET NO. 3
CONTRACT NO. 62F81			ILLINOIS FED. AID PROJECT	

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

16

15

REV

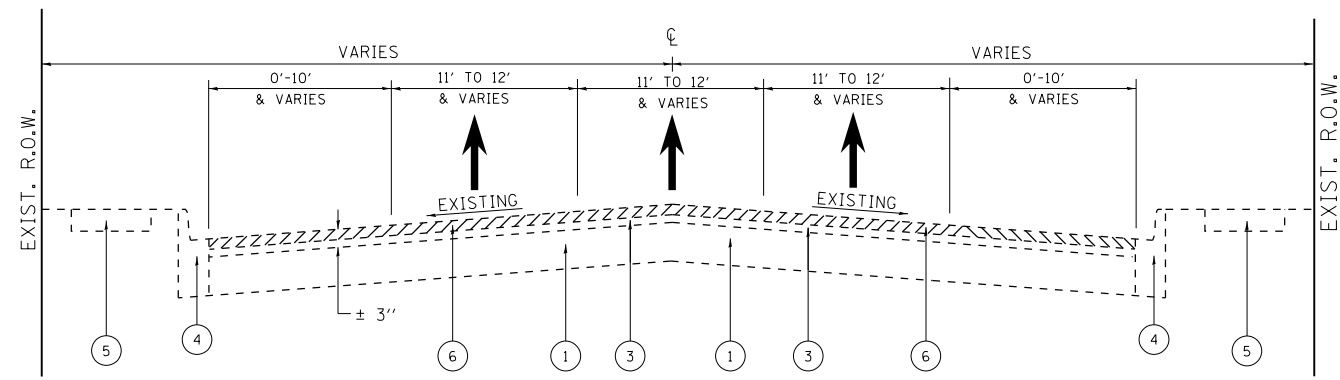
SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	80% FED 20% STATE 0005				
60255410	CATCH BASINS TO BE CLEANED	EACH	55	55				
60260100	INLETS TO BE ADJUSTED	EACH	7	7				
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	1	1				
60404940	FRAMES AND GRATES, TYPE 23	EACH	2	2				
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	3	3				
*66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	48	48				
*66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1				
*66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6				
67100100	MOBILIZATION	L SUM	1	1				
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1				
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1				
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	8865	8865				
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	740	740				
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	220	220				

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	80% FED 20% STATE 0005				
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	3832	3832				
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1086	1086				
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	395	395				
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	776	776				
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	207	207				
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	2216	2216				
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1				
*78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	220	220				
*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3832	3832				
*78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1086	1086				
*78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	395	395				
*78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	776	776				
*78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	207	207				
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	172	172				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	145	145				
*85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1				

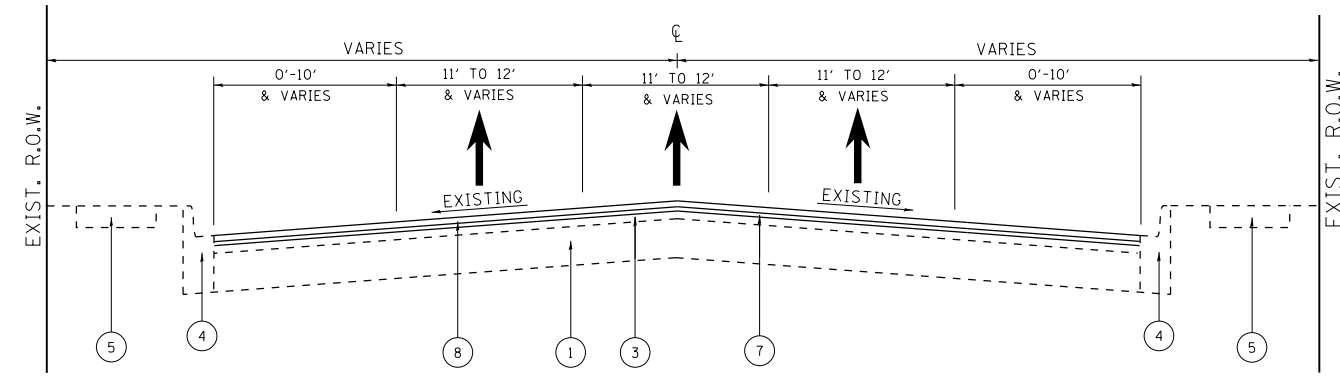
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PLOT SCALE = 100,000' / 1"	CHECKED -	REVISED -	CONTRACT NO. 62F81							
PLOT DATE = 3/30/2018	DATE -	REVISED -	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

15
 Revised * Specialty Item

REV



**GREGORY STREET
EXISTING TYPICAL SECTION**
 STA. 33+63 TO STA. 41+36
 STA. 43+33 TO STA. 67+31



**GREGORY STREET
PROPOSED TYPICAL SECTION**
 STA. 33+63 TO STA. 41+36
 STA. 43+33 TO STA. 67+31

LEGEND

- ① EXIST. P.C.C. PAVEMENT 10"
- ② EXIST. HOT-MIX ASPHALT PAVEMENT ± 3"
- ③ EXIST. HOT-MIX ASPHALT PAVEMENT AFTER MILLING ± 3/4"
- ④ EXIST. COMBINATION CONCRETE CURB AND GUTTER
- ⑤ EXIST. P.C.C. SIDEWALK
- ⑥ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- ⑦ PROP. POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑧ PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"

MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE USES	VOIDS @ Ndes	
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	4% AT 70 GYR.	QCP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% AT 50 GYR.	QC/QA
PATCHING		
CLASS D PATCHES (HMA BINDER, IL-19.0 mm)	4% AT 70 GYR.	QC/QA
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HMA BINDER IL 19MM)	4% AT 70 GYR.	QC/QA
QMP Designation: Quality Control/Quality Assurance (QC/QA); Quality Control for Performance (QCP)		

NOTE:

- THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES 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. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE

THE CONTRACTOR SHALL PATCH FIRST BEFORE MILLING.

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 DATE: 3/23/2018

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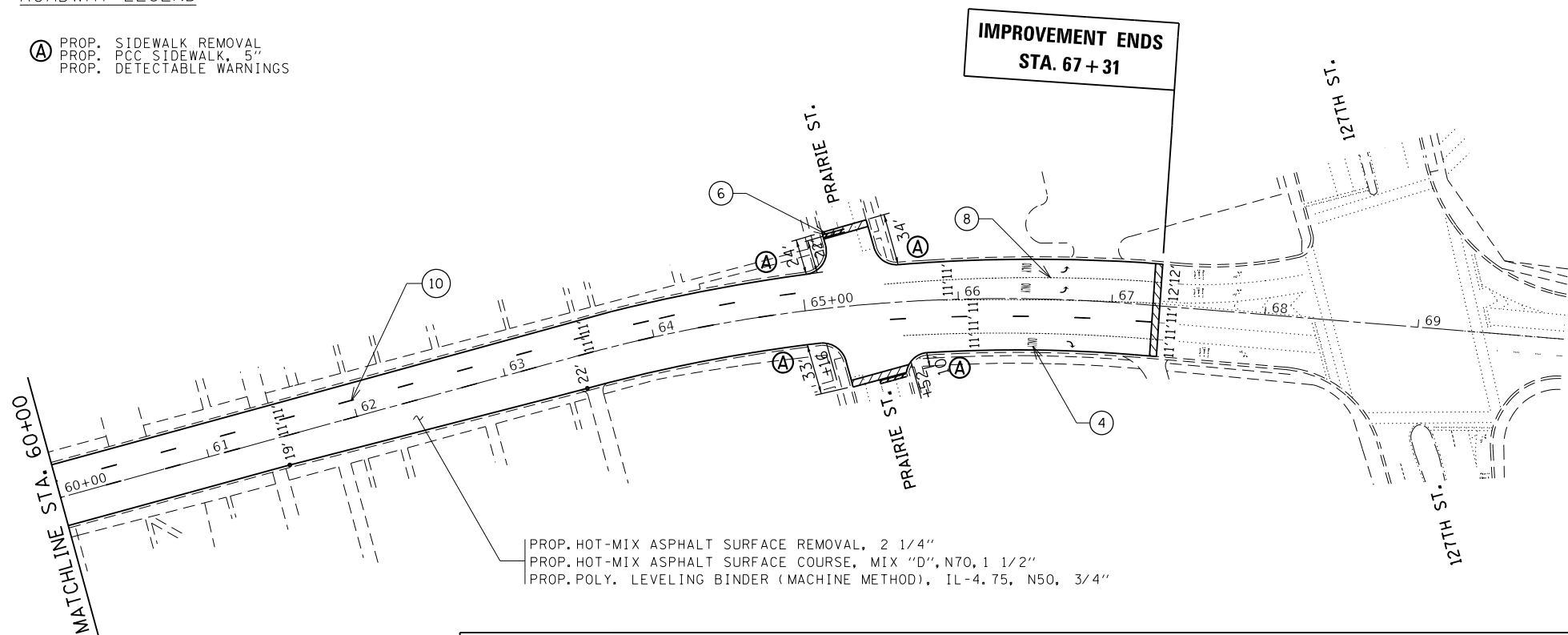
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTION	
GREGORY ST. FROM 127TH ST. TO WESTERN AVE.	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2846	(55-1414)RS-1	COOK	30	5
CONTRACT NO. 62F81				
ILLINOIS FED. AID PROJECT				

ROADWAY LEGEND

- Ⓐ PROP. SIDEWALK REMOVAL
- PROP. PCC SIDEWALK, 5"
- PROP. DETECTABLE WARNINGS



PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
 PROP. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
 PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

- | | | |
|--|--|--|
| <ul style="list-style-type: none"> ① PROP. THERMOPLASTIC PVMT. MARKING 12" SHOULDER @ 45° 50' C-C, WHITE (TYP.) ② PROP. THERMOPLASTIC PVMT MARKING 6", TURN LANE, WHITE (TYP.) ③ PROP. THERMOPLASTIC PVMT MARKING 4", DOUBLE YELLOW @ 11" C-C (TYP.) ④ PROP. THERMOPLASTIC PVMT. MARKING LETTERS AND SYMBOLS, WHITE (TYP.) | <ul style="list-style-type: none"> ⑤ PROP. THERMOPLASTIC PVMT MARKING 4", SHOULDER LANE, WHITE (TYP.) ⑥ PROP. THERMOPLASTIC PVMT MARKING LINE, 24" STOPBAR, WHITE (TYP.) ⑦ PROP. THERMO. PAVEMENT MARKING LINE, 12" CROSSWALK, WHITE (TYP.) ⑧ PROP. THERMOPLASTIC PVMT MARKING 6", 2' DASH 6' SKIP, WHITE (TYP.) | <ul style="list-style-type: none"> ⑨ PROP. THERMOPLASTIC PVMT MARKING 8", EDGE LINE, WHITE (TYP.) ⑩ PROP. THERMOPLASTIC PVMT MARKING 4", 10' DASH 30' SKIP, WHITE (TYP.) ⑪ PROP. THERMOPLASTIC PVMT. MARKING 12" MEDIAN 10' C-C, WHITE (TYP.) ⑫ PROP. THERMO. PAVEMENT MARKING LINE, 6" CROSSWALK, 6' C-C WHITE (TYP.) |
|--|--|--|

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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

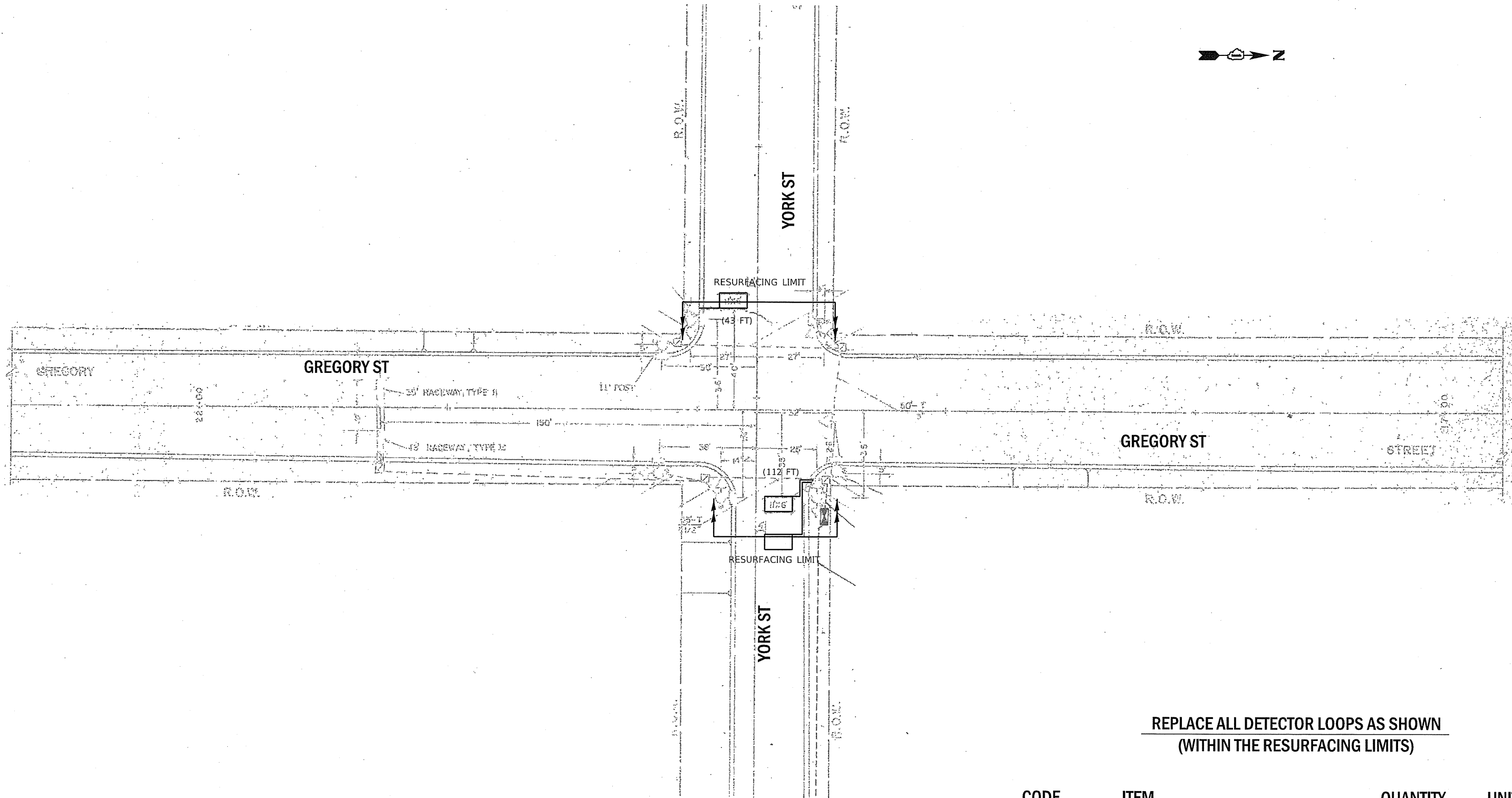
**ROADWAY & PAVEMENT MARKING PLAN
GREGORY ST. FROM 127TH ST. TO WESTERN AVE.**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2846	(55-1414)RS-1	COOK	30	7
CONTRACT NO. 62F81				
ILLINOIS FED. AID PROJECT				

NOTES:

1. Work shall meet the requirements of the special provision, "Detector Loop Replacement and/or Installation (Roadway Grinding, Resurfacing & Patching Operations)".
2. This plan is for the sole purpose of detector loop replacement.



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

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	155	FOOT

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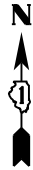
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

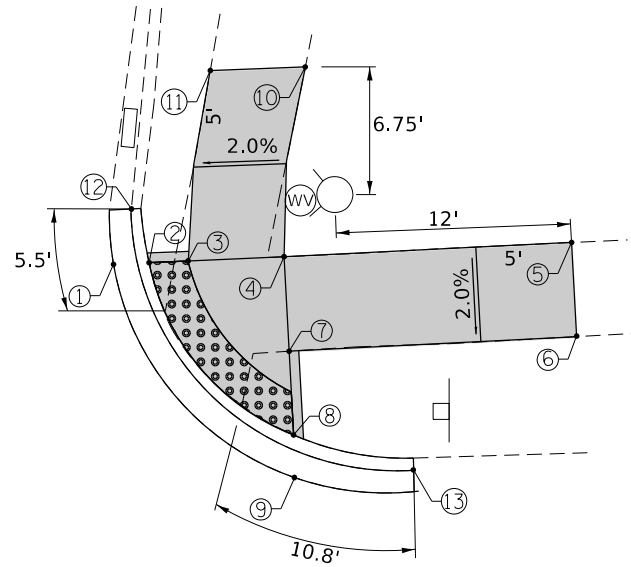
**DETECTOR LOOP REPLACEMENT PLAN
COTTAGE GROVE AVE AT 154TH ST**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE. 2846	SECTION (5-1414R)RS-1	COUNTY COOK	TOTAL SHEETS 30	SHEET NO. 8
			CONTRACT NO. 62F81	
ILLINOIS FED. AID PROJECT				



GREGORY ST.

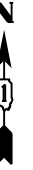


PRAIRIE ST.

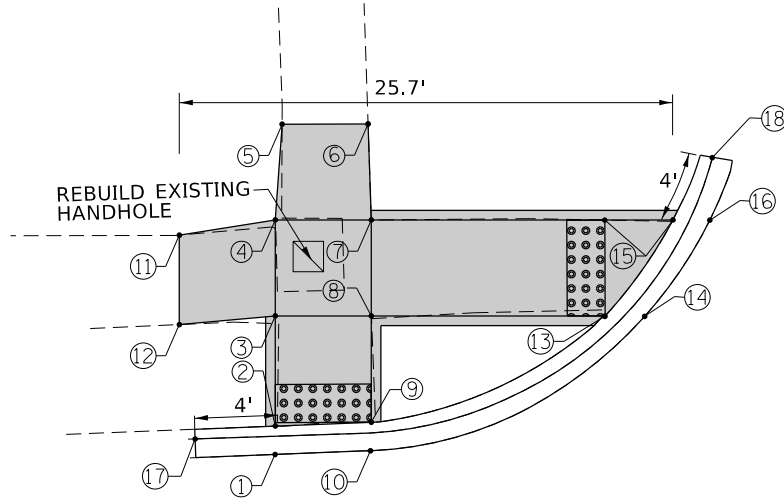
ADA RAMP NORTHEAST CORNER GREGORY ST. & PRAIRIE ST.

POINT NO.:	EX. ELEVATION	PR. ELEVATION
1	634.15	Meet Existing
2	NA	634.15
3	NA	634.15
4	NA	634.15
5	635.14	Meet Existing
6	634.98	Meet Existing
7	NA	634.22
8	634.31	634.22
9	634.31	634.22
10	634.94	Meet Existing
11	634.77	Meet Existing
12	634.15	Meet Existing
13	634.24	Meet Existing

POINT NO.	DISTANCE (FEET)	GRADES
1-2	1.90	0.0%
2-3	2.00	0.0%
3-4	5.00	0.0%
4-5	15.00	6.6%
5-6	4.90	3.3%
6-7	15.00	5.1%
7-8	4.40	2.0%
8-9	1.90	0.0%
4-7	4.90	1.4%
4-10	10.00	7.9%
10-11	4.80	3.3%
11-3	10.00	6.2%
2-8	12.20	1.3%
1-9	15.30	1.0%



GREGORY ST.



PRAIRIE ST.

ADA RAMP NORTHWEST CORNER GREGORY ST. & PRAIRIE ST.

POINT NO.:	EX. ELEVATION	PR. ELEVATION
1	634.50	Meet Existing
2	NA	634.5
3	NA	634.9
4	NA	634.9
5	635.23	Meet Existing
6	635.01	Meet Existing
7	NA	634.9
8	NA	634.9
9	NA	634.48
10	634.48	Meet Existing
11	635.31	Meet Existing
12	634.97	Meet Existing
13	NA	634.53
14	634.53	Meet Existing
15	NA	634.51
16	634.51	Meet Existing
17	634.48	Meet Existing
18	634.47	Meet Existing

POINT NO.	DISTANCE (FEET)	GRADES
1-2	1.5	0.0%
2-3	5.7	7.0%
3-4	5.0	0.0%
4-5	5.0	6.6%
5-6	4.5	4.9%
6-7	5.0	2.2%
7-8	5.0	0.0%
8-9	5.5	7.6%
9-10	1.5	0.0%
11-12	4.7	7.2%
12-3	5.0	1.4%
11-4	5.1	8.0%
4-7	5.0	0.0%
13-14	1.5	0.0%
8-13	12.2	3.0%
3-8	5.0	0.0%
7-15	15.7	2.5%
15-16	1.5	0.0%
1-10	5.0	0.4%
14-16	6.0	0.3%
2-9	5.0	0.4%
13-15	6.1	0.3%

REFERENCE BENCHMARK ELEV 636.135

BENCHMARK : EASTERLY BOLT OF FIRE HYDRANT.

LOCATION : NORTH EAST CORNER OF GREGORY ST. & PRAIRE ST.

LEGEND



EXISTING LENGTH



PROPOSED SIDE CURB



EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 636.135

BENCHMARK : EASTERLY BOLT OF FIRE HYDRANT.

LOCATION : NORTH EAST CORNER OF GREGORY ST. & PRAIRE ST.

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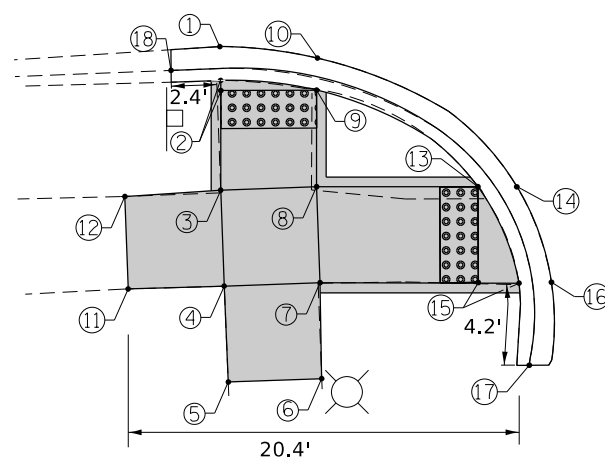
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
GREGORY STREET FROM 127TH ST. TO WESTERN AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2846	(55-1414)RS-1	COOK	30	9
CONTRACT NO. 62F81				
ILLINOIS FED. AID PROJECT				

PRAIRIE ST.



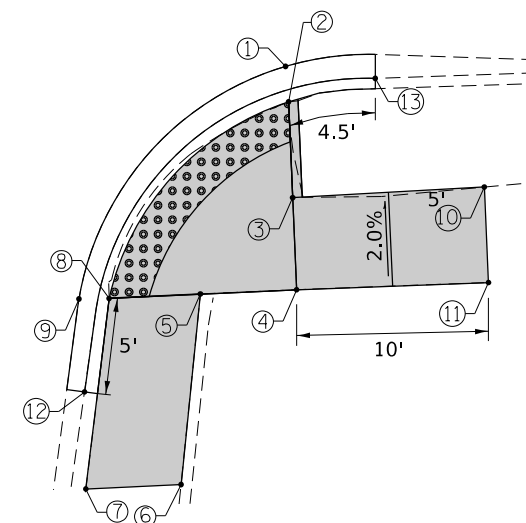
GREGORY ST.

ADA RAMP SOUTHWEST CORNER GREGORY ST. & PRAIRIE ST.

POINT NO.:	EX. ELEVATION	PR. ELEVATION
1	634.47	Meet Existing
2	NA	634.47
3	NA	634.75
4	NA	634.75
5	635.06	Meet Existing
6	634.89	Meet Existing
7	NA	634.75
8	NA	634.75
9	NA	634.39
10	634.39	Meet Existing
11	635.10	Meet Existing
12	634.93	Meet Existing
13	NA	634.22
14	634.22	Meet Existing
15	NA	634.21
16	634.21	Meet Existing
17	634.17	Meet Existing
18	634.44	Meet Existing

POINT NO.	DISTANCE (FEET)	GRADES
1-2	1.8	0.0%
2-3	5.7	4.9%
3-4	5.0	0.0%
4-5	5.0	6.2%
5-6	4.9	3.5%
6-7	5.0	2.8%
7-8	5.0	0.0%
8-9	5.0	7.2%
9-10	1.7	0.0%
11-12	4.8	3.5%
12-3	5.0	3.6%
11-4	5.0	7.0%
4-7	5.0	0.0%
13-14	2.0	0.0%
8-13	8.4	6.3%
3-8	5.0	0.0%
7-15	10.4	5.2%
15-16	1.7	0.0%
1-10	5.0	1.6%
14-16	5.3	0.2%
2-9	5.0	1.6%
13-15	5.0	0.2%

PRAIRIE ST.



GREGORY ST.

ADA RAMP SOUTHEAST CORNER GREGORY ST. & PRAIRIE ST.

POINT NO.:	EX. ELEVATION	PR. ELEVATION
1	634.13	Meet Existing
2	NA	634.13
3	NA	634.13
4	NA	634.13
5	NA	634.13
6	634.53	Meet Existing
7	634.63	Meet Existing
8	NA	634.13
9	634.14	Meet Existing
10	634.67	Meet Existing
11	634.81	Meet Existing
12	634.15	Meet Existing
13	634.13	Meet Existing

POINT NO.	DISTANCE (FEET)	GRADES
1-2	1.86	0.0%
2-3	5.00	0.0%
3-4	4.80	0.0%
4-5	5.00	0.0%
5-6	10.00	4.0%
6-7	4.90	2.0%
7-8	10.00	5.0%
8-9	1.60	0.6%
10-11	4.70	3.0%
11-4	10.00	6.8%
10-3	10.00	5.4%
8-5	4.80	0.0%
2-8	14.50	0.0%

REFERENCE BENCHMARK ELEV 636.135

BENCHMARK : EASTERLY BOLT OF FIRE HYDRANT.

LOCATION : NORTH EAST CORNER OF GREGORY ST. & PRAIRE ST.

LEGEND



EXISTING LENGTH



PROPOSED SIDE CURB



EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 636.135

BENCHMARK : EASTERLY BOLT OF FIRE HYDRANT.

LOCATION : NORTH EAST CORNER OF GREGORY ST. & PRAIRE ST.

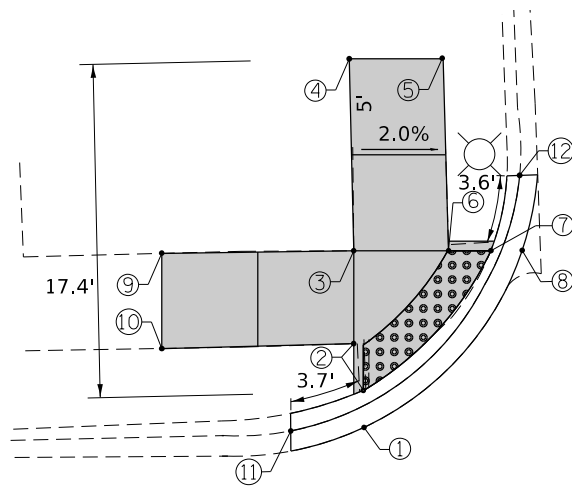
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
GREGORY STREET FROM 127TH ST. TO WESTERN AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2846	(55-1414)RS-1	COOK	30	10
CONTRACT NO. 62F81				
ILLINOIS FED. AID PROJECT				



GREGORY ST.



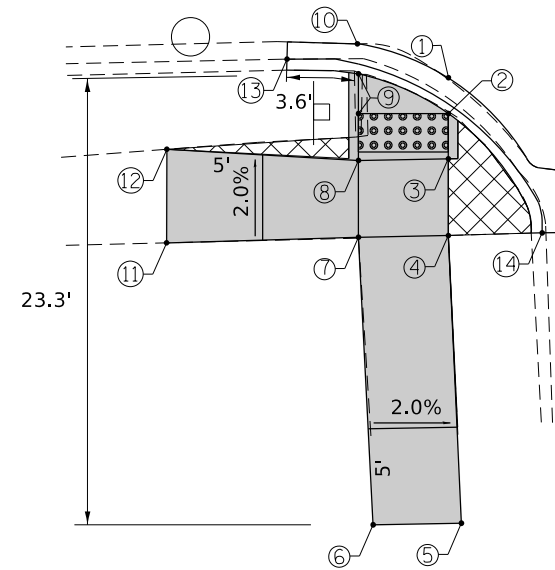
WALNUT ST.

ADA RAMP NORTHWEST CORNER GREGORY ST. & WALNUT ST.

POINT NO.:	EX. ELEVATION	PR. ELEVATION
1	634.17	Meet Existing
2	NA	634.17
3	NA	634.1
4	634.66	Meet Existing
5	634.33	Meet Existing
6	NA	634.1
7	NA	634.1
8	634.10	Meet Existing
9	634.86	Meet Existing
10	634.77	Meet Existing
11	634.19	Meet Existing
12	633.93	Meet Existing

POINT NO.	DISTANCE (FEET)	GRADES
1-2	1.90	0.0%
2-3	7.50	0.9%
3-4	10.00	5.6%
4-5	4.80	6.9%
5-6	10.00	2.3%
6-7	2.20	0.0%
7-8	1.60	0.0%
9-10	5.00	1.8%
9-3	10.00	7.6%
10-2	10.00	6.0%
6-3	4.90	0.0%
7-2	10.00	0.7%
1-8	12.70	0.6%

WALNUT ST.



GREGORY ST.



ADA RAMP SOUTHWEST CORNER GREGORY ST. & WALNUT ST.

POINT NO.:	EX. ELEVATION	PR. ELEVATION
1	634.75	634.65
2	NA	634.65
3	NA	634.80
4	NA	634.80
5	635.65	Meet Existing
6	635.75	Meet Existing
7	NA	634.80
8	NA	634.80
9	NA	634.60
10	634.60	Meet Existing
11	635.55	Meet Existing
12	635.40	Meet Existing
13	634.44	Meet Existing
14	635.03	Meet Existing

POINT NO.	DISTANCE (FEET)	GRADES
1-2	1.90	0.0%
2-3	2.40	6.2%
3-4	4.00	0.0%
4-5	15.00	5.7%
5-6	4.60	2.2%
6-7	15.00	6.3%
7-8	4.00	0.0%
9-10	1.60	0.0%
11-12	5.10	2.9%
9-2	4.60	1.1%
12-8	10.00	6.0%
11-7	10.00	7.5%
7-4	4.70	0.0%
8-3	4.70	0.0%
10-1	5.30	0.9%

REFERENCE BENCHMARK ELEV 635.84

BENCHMARK : SOUTH EASTERLY BOLT OF FIRE HYDRANT.

LOCATION : NORTH EAST CORNER OF GREGORY ST. & WALNUT ST.

LEGEND



EXISTING LENGTH



PROPOSED SIDE CURB



EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 635.84

BENCHMARK : SOUTH EASTERLY BOLT OF FIRE HYDRANT.

LOCATION : NORTH EAST CORNER OF GREGORY ST. & WALNUT ST.

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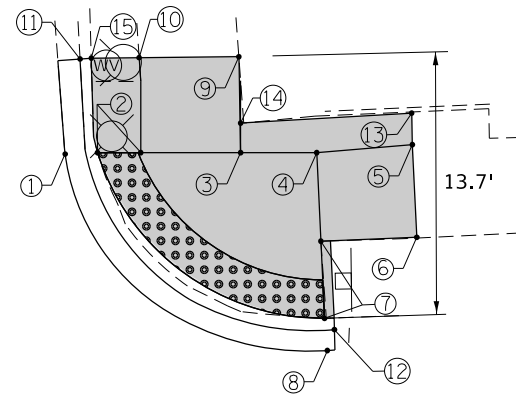
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
GREGORY STREET FROM 127TH ST. TO WESTERN AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2846	(55-1414)RS-1	COOK	30	11
CONTRACT NO. 62F81				
ILLINOIS FED. AID PROJECT				

GREGORY ST.



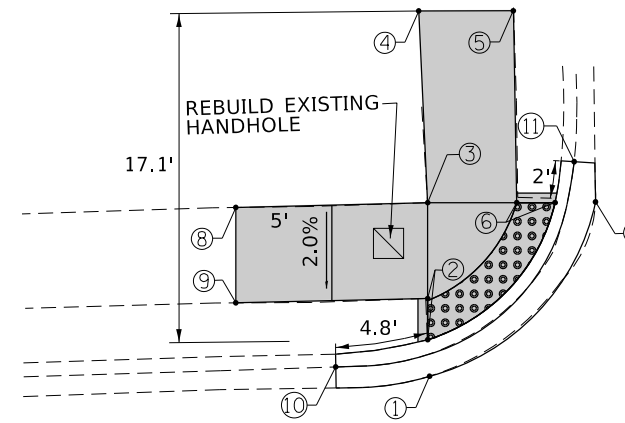
UNION ST.

ADA RAMP NORTHEAST CORNER GREGORY ST. & UNION ST.

POINT NO.:	EX. ELEVATION	PR. ELEVATION
1	638.74	Meet Existing
2	NA	638.74
3	NA	638.7
4	NA	638.7
5	638.82	Meet Existing
6	638.59	Meet Existing
7	NA	638.57
8	638.57	Meet Existing
9	639.03	Meet Existing
10	638.96	Meet Existing
11	638.68	Meet Existing
12	638.46	Meet Existing
13	638.91	Meet Existing
14	NA	638.97
15	639.15	Meet Existing

POINT NO.	DISTANCE (FEET)	GRADES
1-2	1.70	0.0%
2-3	7.50	0.5%
3-4	4.00	0.0%
4-5	5.00	2.4%
5-6	4.80	4.8%
6-7	5.00	0.4%
7-8	1.70	0.0%
9-10	5.20	1.3%
9-14	3.50	1.7%
10-2	5.00	4.4%
4-7	8.60	1.5%
7-2	15.70	1.1%
1-8	18.80	0.9%

GREGORY ST.



UNION ST.

ADA RAMP NORTHWEST CORNER GREGORY ST. & UNION ST.

POINT NO.:	EX. ELEVATION	PR. ELEVATION
1	638.52	Meet Existing
2	NA	638.52
3	NA	638.52
4	639.04	Meet Existing
5	639.10	Meet Existing
6	NA	638.60
7	638.70	638.60
8	639.09	Meet Existing
9	638.94	Meet Existing
10	638.38	Meet Existing
11	638.65	Meet Existing

POINT NO.	DISTANCE (FEET)	GRADES
1-2	1.90	0.0%
2-3	7.10	0.0%
3-4	10.00	5.2%
4-5	4.90	1.2%
5-6	10.00	5.0%
6-7	2.10	0.0%
8-9	5.00	3.0%
9-2	10.00	4.2%
8-3	10.00	5.7%
2-6	10.20	0.8%
1-7	13.20	0.6%
3-6	6.60	1.2%

REFERENCE BENCHMARK ELEV 641.44

BENCHMARK : TOP SPINDLE OF FIRE HYDRANT.

LOCATION : NORTH EAST CORNER OF GREGORY ST. & UNION ST.

LEGEND



EXISTING LENGTH



PROPOSED SIDE CURB



EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 641.44

BENCHMARK : TOP SPINDLE OF FIRE HYDRANT.

LOCATION : NORTH EAST CORNER OF GREGORY ST. & UNION ST.

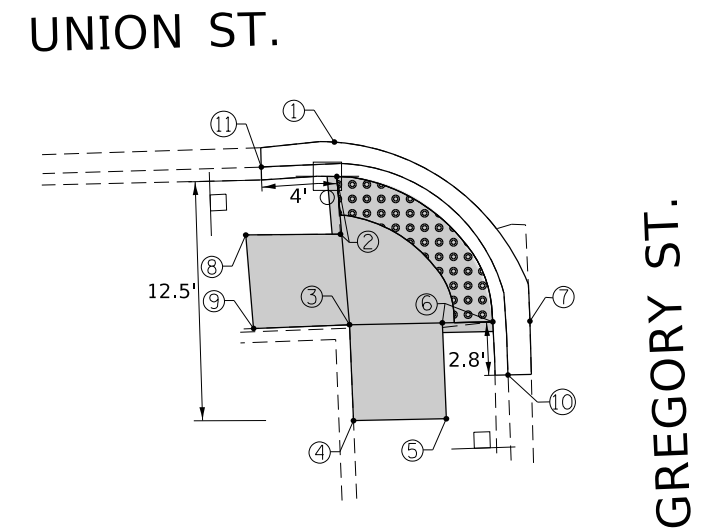
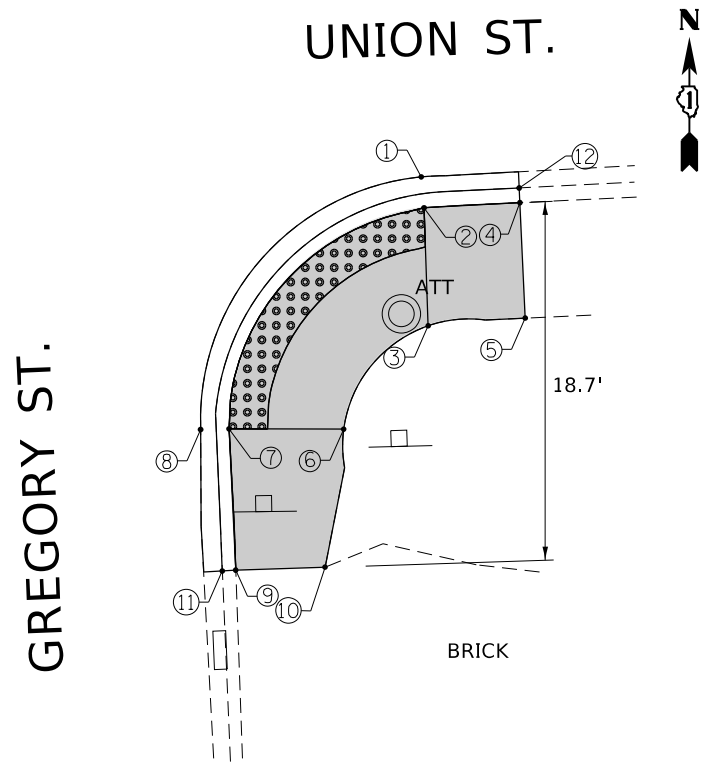
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
GREGORY STREET FROM 127TH ST. TO WESTERN AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2846	(55-1414)RS-1	COOK	30	12
CONTRACT NO. 62F81				
ILLINOIS FED. AID PROJECT				



ADA RAMP SOUTHEAST CORNER GREGORY ST. & UNION ST.

ADA RAMP SOUTHWEST CORNER GREGORY ST. & UNION ST.

POINT NO.:	EX. ELEVATION	PR. ELEVATION
1	638.73	Meet Existing
2	NA	638.73
3	NA	638.73
4	639.08	Meet Existing
5	639.23	Meet Existing
6	NA	638.83
7	NA	638.83
8	638.83	Meet Existing
9	639.28	Meet Existing
10	639.41	Meet Existing
11	638.86	Meet Existing
12	638.64	Meet Existing

POINT NO.	DISTANCE (FEET)	GRADES
1-2	1.60	0.0%
2-3	6.15	0.0%
2-4	5.00	7.0%
4-5	6.00	2.5%
3-5	5.10	7.8%
6-7	6.00	0.0%
7-8	1.50	0.0%
9-10	5.20	2.5%
9-7	7.40	6.1%
10-6	7.40	7.8%
6-3	7.30	1.4%
7-2	16.75	0.6%
1-8	19.20	0.5%

POINT NO.:	EX. ELEVATION	PR. ELEVATION
1	638.65	Meet Existing
2	NA	638.65
3	NA	638.75
4	639.03	Meet Existing
5	638.89	Meet Existing
6	NA	638.75
7	638.89	638.75
8	638.82	Meet Existing
9	638.97	Meet Existing
10	638.80	Meet Existing
11	638.51	Meet Existing

POINT NO.	DISTANCE (FEET)	GRADES
1-2	1.80	0.0%
2-3	7.75	1.3%
3-4	5.00	5.6%
4-5	4.80	2.9%
5-6	5.00	2.8%
6-7	1.90	0.0%
8-9	4.90	3.1%
9-3	5.00	4.4%
8-2	5.00	3.4%
2-6	12.20	0.8%
1-7	15.10	0.7%
3-6	4.80	0.0%

REFERENCE BENCHMARK ELEV 641.44

BENCHMARK : TOP SPINDLE OF FIRE HYDRANT.

LOCATION : NORTH EAST CORNER OF GREGORY ST. & UNION ST.

LEGEND

xx.xx'

EXISTING LENGTH

====

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 641.44

BENCHMARK : TOP SPINDLE OF FIRE HYDRANT.

LOCATION : NORTH EAST CORNER OF GREGORY ST. & UNION ST.

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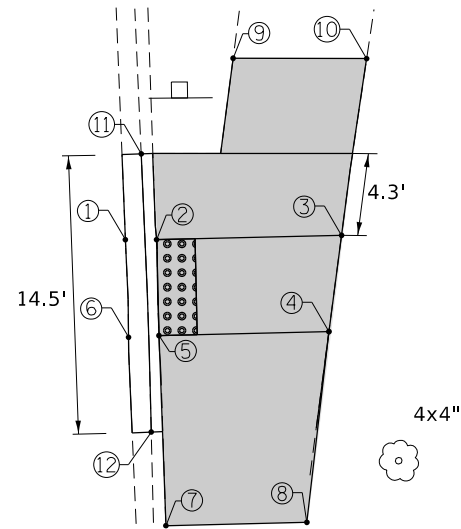
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SIDEWALK DETAIL PLAN
GREGORY STREET FROM 127TH ST. TO WESTERN AVENUE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2846	(55-1414)RIS-1	COOK	30	13
CONTRACT NO. 62F81				
ILLINOIS FED. AID PROJECT				

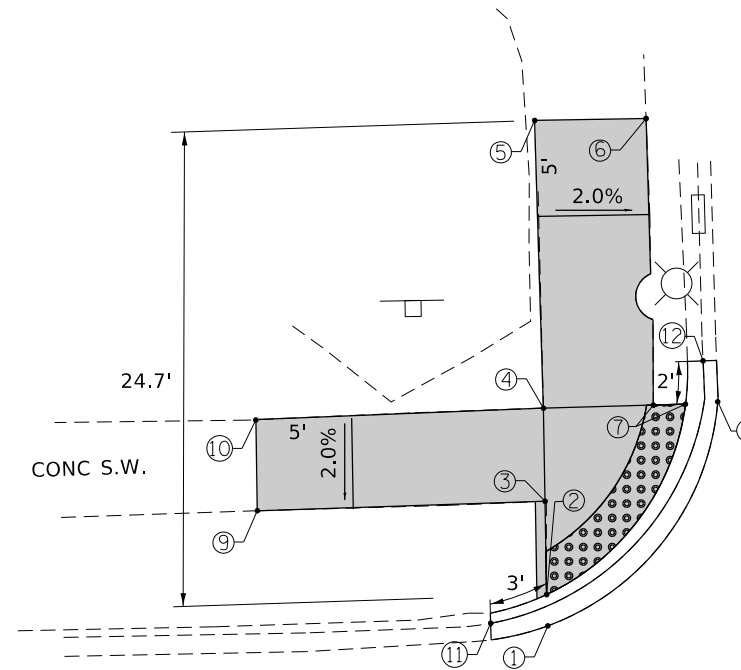
GREGORY ST.
HIGH ST.



ADA RAMP NORTHEAST CORNER GREGORY ST. & HIGH ST.

POINT NO.:	EX. ELEVATION	PR. ELEVATION
1	641.39	Meet Existing
2	NA	641.39
3	NA	641.39
4	NA	641.42
5	NA	641.42
6	641.42	Meet Existing
7	641.90	Meet Existing
8	642.02	Meet Existing
9	641.94	Meet Existing
10	642.02	Meet Existing
11	641.36	Meet Existing
12	641.39	Meet Existing

POINT NO.	DISTANCE (FEET)	GRADES
1-2	1.60	0.0%
2-3	9.60	0.0%
3-4	5.00	0.6%
4-5	8.90	0.0%
5-6	1.60	0.0%
7-8	8.00	-1.5%
9-10	7.00	1.1%
9-2	10.00	5.5%
10-3	10.00	6.3%
5-7	10.00	4.8%
4-8	10.00	6.0%
1-6	5.00	0.6%
2-5	5.00	0.6%



HIGH ST.

ADA RAMP NORTHWEST CORNER GREGORY ST. & HIGH ST.

POINT NO.:	EX. ELEVATION	PR. ELEVATION
1	641.10	Meet Existing
2	NA	641.1
3	NA	641.1
4	NA	641.1
5	642.04	Meet Existing
6	641.73	Meet Existing
7	NA	641.17
8	641.17	Meet Existing
9	641.99	Meet Existing
10	642.22	Meet Existing
11	641.10	Meet Existing
12	641.10	Meet Existing

POINT NO.	DISTANCE (FEET)	GRADES
1-2	1.60	0.0%
2-3	4.90	0.0%
3-4	4.85	0.0%
4-5	15.00	6.3%
5-6	5.20	6.0%
6-7	15.00	3.7%
7-8	1.70	0.0%
9-10	4.90	4.7%
9-3	15.00	5.9%
10-4	15.00	7.5%
4-7	5.70	1.2%
7-2	12.80	0.5%
1-8	15.50	0.5%

REFERENCE BENCHMARK ELEV 642.253

BENCHMARK : "□" SOUTH CONCRETE BASE OF LIGHT POLE.

LOCATION : NORTH SIDE OF HIGH ST. ±50' WEST OF GREGORY ST.

LEGEND



EXISTING LENGTH



PROPOSED SIDE CURB



EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 642.253

BENCHMARK : "□" SOUTH CONCRETE BASE OF LIGHT POLE.

LOCATION : NORTH SIDE OF HIGH ST. ±50' WEST OF GREGORY ST.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

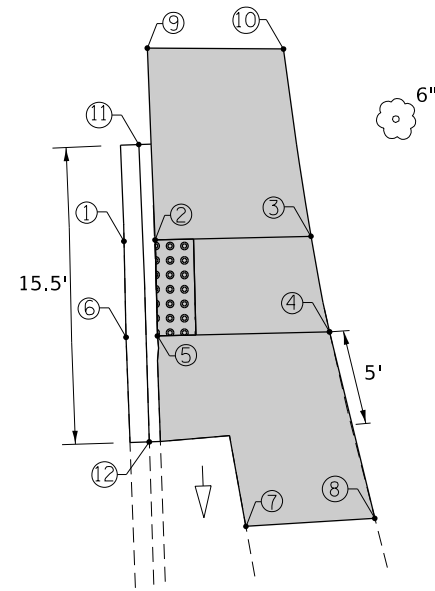
SIDEWALK DETAIL PLAN
GREGORY STREET FROM 127TH ST. TO WESTERN AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2846	(55-1414)RS-1	COOK	30	14
CONTRACT NO. 62F81				
ILLINOIS FED. AID PROJECT				

HIGH ST.

GREGORY ST.



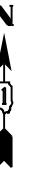
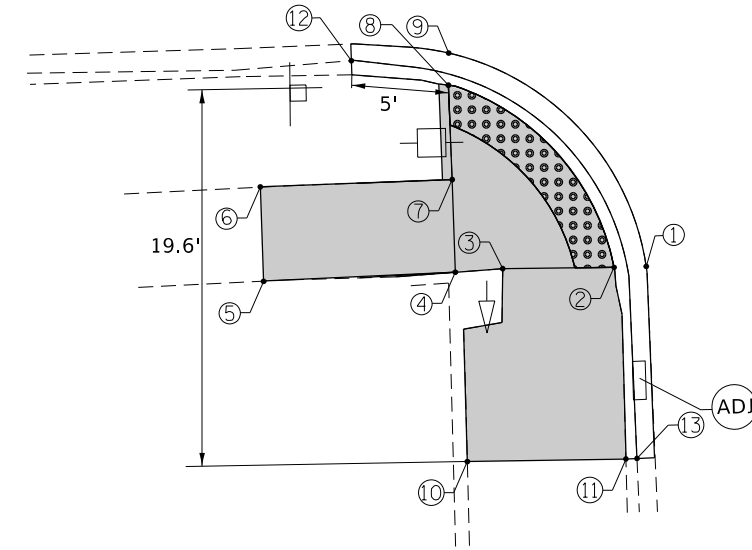
ADA RAMP SOUTHEAST CORNER GREGORY ST. & HIGH ST.

POINT NO.:	EX. ELEVATION	PR. ELEVATION
1	641.47	Meet Existing
2	NA	641.47
3	NA	641.47
4	NA	641.47
5	NA	641.47
6	641.46	Meet Existing
7	641.86	Meet Existing
8	641.93	Meet Existing
9	641.93	Meet Existing
10	642.00	Meet Existing
11	641.44	Meet Existing
12	641.38	Meet Existing

POINT NO.	DISTANCE (FEET)	GRADES
1-2	1.60	0.0%
2-3	8.10	0.0%
3-4	5.00	0.0%
4-5	9.00	0.0%
5-6	1.60	0.6%
7-8	10.00	0.7%
9-10	7.60	0.9%
9-2	10.00	4.6%
10-3	10.00	5.3%
5-7	10.00	3.9%
4-8	10.00	4.6%
1-6	5.00	0.2%
2-5	5.00	0.0%

HIGH ST.

GREGORY ST.



ADA RAMP SOUTHWEST CORNER GREGORY ST. & HIGH ST.

POINT NO.:	EX. ELEVATION	PR. ELEVATION
1	641.20	Meet Existing
2	NA	641.2
3	NA	641.2
4	NA	641.2
5	641.69	Meet Existing
6	641.67	Meet Existing
7	NA	641.25
8	NA	641.25
9	641.32	641.25
10	641.77	Meet Existing
11	641.56	Meet Existing
12	641.37	Meet Existing
13	641.15	Meet Existing

POINT NO.	DISTANCE (FEET)	GRADES
1-2	1.70	0.0%
2-3	5.80	0.0%
3-4	2.50	0.0%
4-5	10.00	4.9%
5-6	5.00	0.4%
6-7	10.00	4.2%
7-8	4.90	0.0%
8-9	1.70	0.0%
10-11	8.30	1.4%
2-11	10.00	5.7%
10-3	10.00	5.7%
4-7	4.80	1.0%
8-2	13.50	0.4%
1-9	16.10	0.3%

REFERENCE BENCHMARK ELEV 642.253

BENCHMARK : "□" SOUTH CONCRETE BASE OF LIGHT POLE.

LOCATION : NORTH SIDE OF HIGH ST. ±50' WEST OF GREGORY ST.

LEGEND



EXISTING LENGTH



PROPOSED SIDE CURB



EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 642.253

BENCHMARK : "□" SOUTH CONCRETE BASE OF LIGHT POLE.

LOCATION : NORTH SIDE OF HIGH ST. ±50' WEST OF GREGORY ST.

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	PLOT DATE = 3/23/2018	DATE -	REVISED -

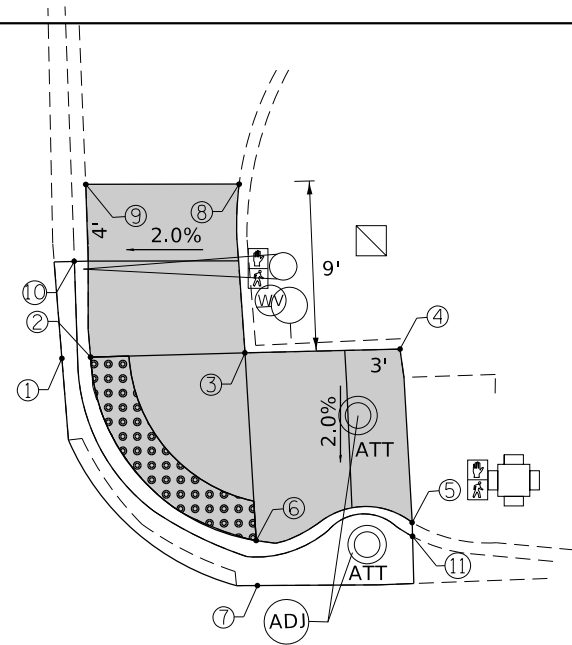
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
GREGORY STREET FROM 127TH ST. TO WESTERN AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2846	(55-1414)RS-1	COOK	30	15
CONTRACT NO. 62F81				
ILLINOIS FED. AID PROJECT				

GREGORY ST.



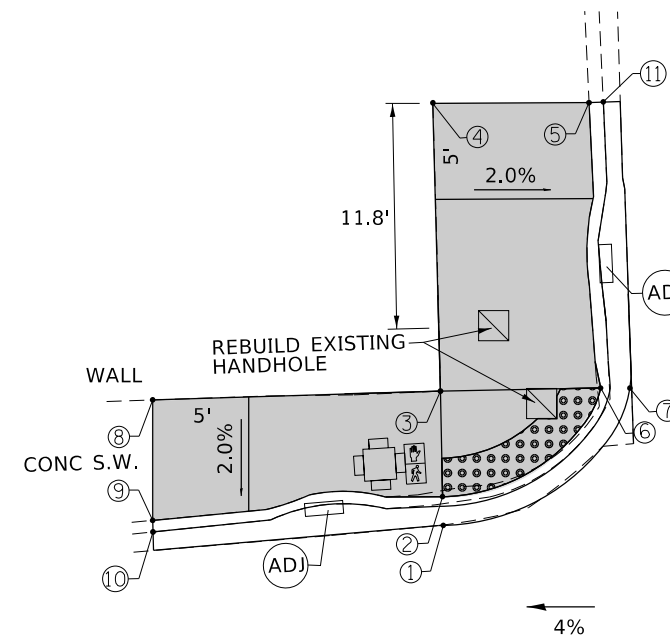
YORK ST.

ADA RAMP NORTHEAST CORNER GREGORY ST. & YORK ST.

POINT NO.:	EX. ELEVATION	PR. ELEVATION
1	638.01	Meet Existing
2	NA	638.01
3	NA	638.01
4	638.09	Meet Existing
5	637.83	Meet Existing
6	NA	637.85
7	637.77	637.85
8	638.69	Meet Existing
9	638.56	Meet Existing
10	638.09	Meet Existing
11	637.35	Meet Existing

POINT NO.	DISTANCE (FEET)	GRADES
1-2	1.60	0.0%
2-3	8.00	0.0%
3-4	8.00	1.0%
4-5	9.00	2.9%
5-6	8.20	0.2%
6-7	2.30	0.0%
8-9	5.00	2.6%
9-2	9.00	6.1%
8-3	9.00	7.6%
2-6	13.90	1.2%
1-7	17.30	0.9%
3-6	9.80	1.6%

GREGORY ST.



YORK ST.

ADA RAMP NORTHWEST CORNER GREGORY ST. & YORK ST.

POINT NO.:	EX. ELEVATION	PR. ELEVATION
1	637.36	Meet Existing
2	NA	637.36
3	NA	637.36
4	638.60	Meet Existing
5	638.30	Meet Existing
6	NA	637.45
7	637.73	637.45
8	638.16	Meet Existing
9	637.79	Meet Existing
10	637.14	Meet Existing
11	637.70	Meet Existing

POINT NO.	DISTANCE (FEET)	GRADES
1-2	1.60	0.0%
2-3	5.50	0.0%
3-4	15.00	8.3%
4-5	7.90	3.8%
5-6	15.00	5.7%
6-7	1.60	0.0%
8-9	5.00	7.4%
9-2	15.00	2.9%
8-3	15.00	5.3%
2-6	10.60	0.8%
1-7	13.00	0.7%
3-6	8.30	1.1%

REFERENCE BENCHMARK ELEV 637.67

BENCHMARK : "□" IN THE NORTH EAST CORNER OF CONCRETE BASE OF T.C.B.

LOCATION : NORTH EAST CORNER OF GREGORY ST AND YORK ST.

LEGEND



EXISTING LENGTH



PROPOSED SIDE CURB



EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 637.67

BENCHMARK : " " IN THE NORTH EAST CORNER OF CONCRETE BASE OF T.C.B.

LOCATION : NORTH EAST CORNER OF GREGORY ST AND YORK ST.

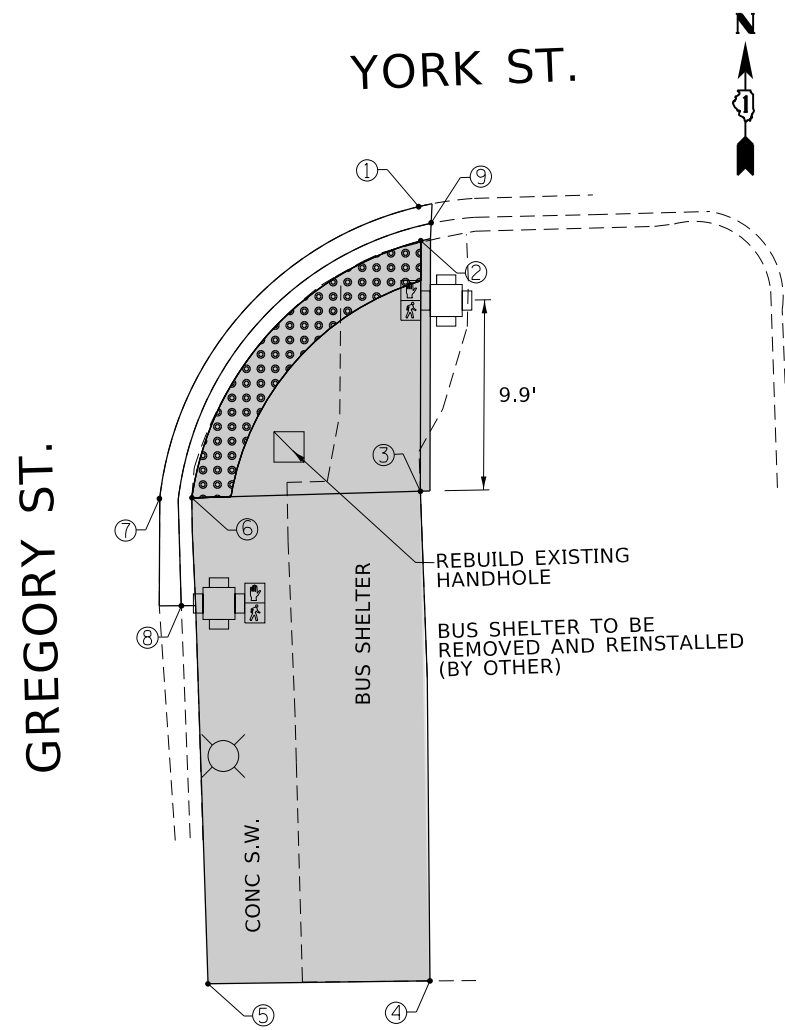
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
GREGORY STREET FROM 127TH ST. TO WESTERN AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

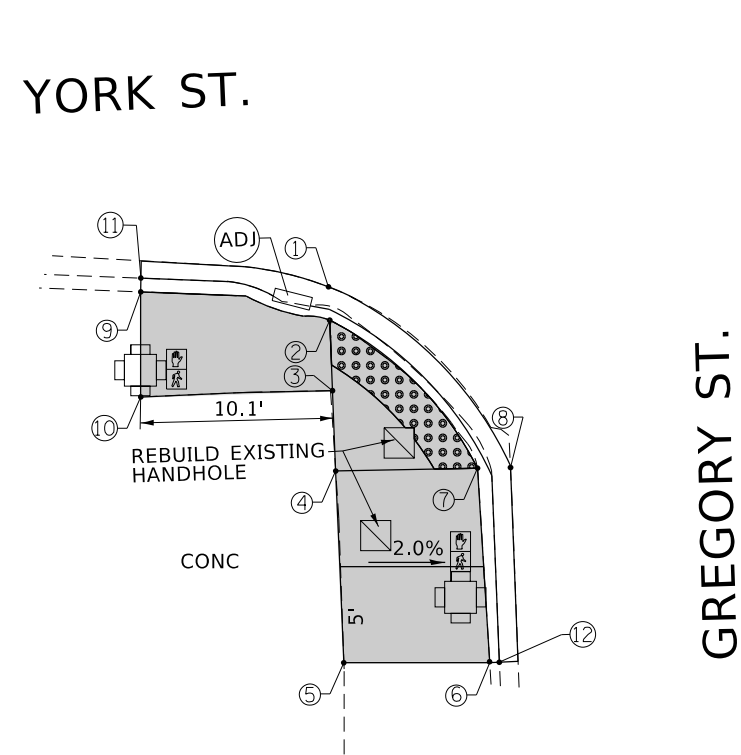
F.A.U. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2846	(55-1414)RS-1	COOK	30	16
CONTRACT NO. 62F81				
ILLINOIS FED. AID PROJECT				



ADA RAMP SOUTHEAST CORNER GREGORY ST. & YORK ST.

POINT NO.:	EX. ELEVATION	PR. ELEVATION
1	637.49	Meet Existing
2	NA	637.49
3	NA	637.49
4	638.00	Meet Existing
5	637.83	Meet Existing
6	NA	637.54
7	637.54	Meet Existing
8	637.50	Meet Existing
9	637.33	Meet Existing

POINT NO.	DISTANCE (FEET)	GRADES
1-2	1.60	0.0%
2-3	13.00	0.0%
3-4	25.50	2.0%
4-5	11.60	1.5%
5-6	25.30	1.1%
6-7	1.60	0.0%
3-6	11.90	0.4%
1-7	21.60	0.2%
2-6	19.00	0.3%



ADA RAMP SOUTHWEST CORNER GREGORY ST. & YORK ST.

POINT NO.:	EX. ELEVATION	PR. ELEVATION
1	637.48	Meet Existing
2	NA	637.48
3	NA	637.48
4	NA	637.53
5	638.19	Meet Existing
6	637.87	Meet Existing
7	NA	637.53
8	637.53	Meet Existing
9	637.97	Meet Existing
10	638.20	Meet Existing
11	637.47	Meet Existing
12	637.49	Meet Existing

POINT NO.	DISTANCE (FEET)	GRADES
1-2	1.60	0.0%
2-3	3.70	0.0%
3-4	4.20	1.2%
4-5	10.00	6.6%
5-6	7.50	4.3%
6-7	10.00	3.4%
7-8	1.60	0.0%
9-10	5.10	4.5%
9-2	10.00	4.9%
10-3	10.00	7.2%
4-7	7.40	0.0%
2-7	11.10	0.5%
1-8	14.10	0.4%

REFERENCE BENCHMARK ELEV 637.67

BENCHMARK : " " IN THE NORTH EAST CORNER OF CONCRETE BASE OF T.C.B.

LOCATION : NORTH EAST CORNER OF GREGORY ST AND YORK ST.

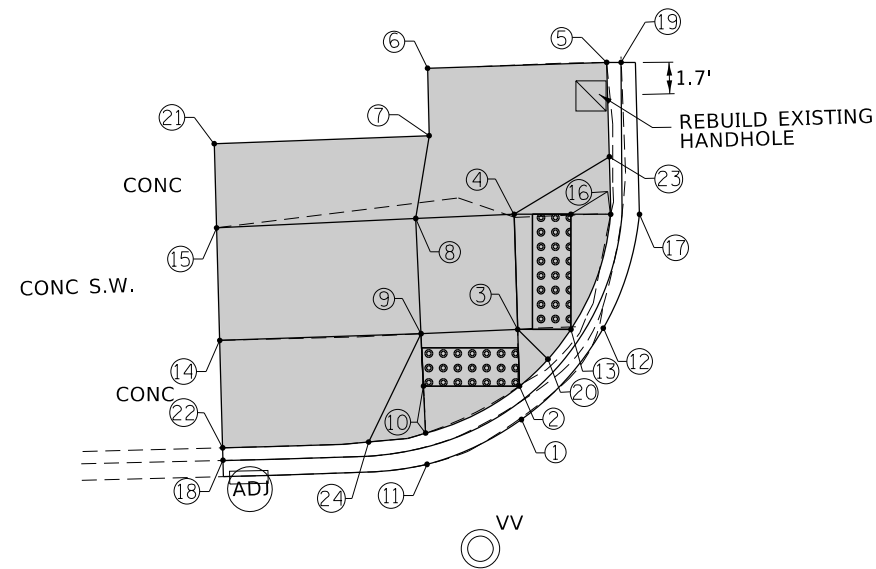
LEGEND

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

REFERENCE BENCHMARK ELEV 637.67

BENCHMARK : " " IN THE NORTH EAST CORNER OF CONCRETE BASE OF T.C.B.

LOCATION : NORTH EAST CORNER OF GREGORY ST AND YORK ST.



GREGORY ST.



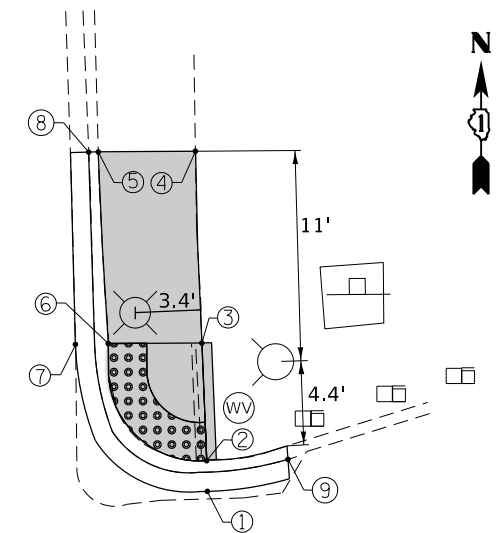
NEW ST.

ADA RAMP NORTHWEST CORNER GREGORY ST. & NEW ST.

POINT NO.:	EX. ELEVATION	PR. ELEVATION
1	636.67	Meet Existing
2	NA	636.67
3	NA	636.85
4	NA	636.90
5	636.98	Meet Existing
6	637.18	Meet Existing
7	NA	637.05
8	NA	636.90
9	NA	636.85
10	NA	636.66
11	636.66	Meet Existing
12	636.71	Meet Existing
13	NA	636.71
14	637.07	Meet Existing
15	637.14	Meet Existing
16	NA	636.76
17	636.76	Meet Existing
18	636.49	Meet Existing
19	636.76	Meet Existing
20	NA	636.90
21	637.18	Meet Existing
22	636.88	Meet Existing
23	636.98	Meet Existing
24	636.88	Meet Existing

POINT NO.	DISTANCE (FEET)	GRADES
1-2	1.7	0.0%
2-3	3.0	6.0%
3-4	6.0	0.8%
4-5	7.8	1.0%
5-6	9.3	2.2%
6-7	3.5	3.7%
7-8	4.4	3.4%
8-9	6.0	0.8%
9-10	2.7	7.0%
10-11	1.6	0.0%
12-13	1.7	0.0%
13-3	2.8	5.0%
16-17	1.7	0.0%
4-16	3.0	4.7%
13-16	6.0	0.8%
12-17	6.3	0.8%
10-2	5.5	0.2%
9-3	5.0	0.0%
1-11	5.5	0.2%
14-9	10.5	2.1%
15-8	10.4	2.3%
4-8	5.0	0.0%
14-15	5.9	1.2%

GREGORY ST.



NEW ST.

ADA RAMP NORTHEAST CORNER GREGORY ST. & NEW ST.

POINT NO.:	EX. ELEVATION	PR. ELEVATION
1	636.67	Meet Existing
2	NA	636.67
3	NA	636.67
4	637.18	Meet Existing
5	637.04	Meet Existing
6	NA	636.66
7	636.66	Meet Existing
8	636.63	Meet Existing
9	636.42	Meet Existing

POINT NO.	DISTANCE (FEET)	GRADES
1-2	1.60	0.0%
2-3	6.10	0.0%
3-4	10.00	5.1%
4-5	5.00	2.8%
5-6	10.00	3.8%
6-7	1.60	0.0%
2-6	9.20	0.1%
1-7	12.00	0.1%
6-3	4.90	0.2%

REFERENCE BENCHMARK ELEV 638.51
 BENCHMARK : EASTERLY BOLT OF FIRE HYDRANT.
 LOCATION : EAST CORNER OF GREGORY ST. & NEW ST.

LEGEND



EXISTING LENGTH



PROPOSED SIDE CURB



EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 638.51
 BENCHMARK : EASTERLY BOLT OF FIRE HYDRANT.
 LOCATION : EAST CORNER OF GREGORY ST. & NEW ST.

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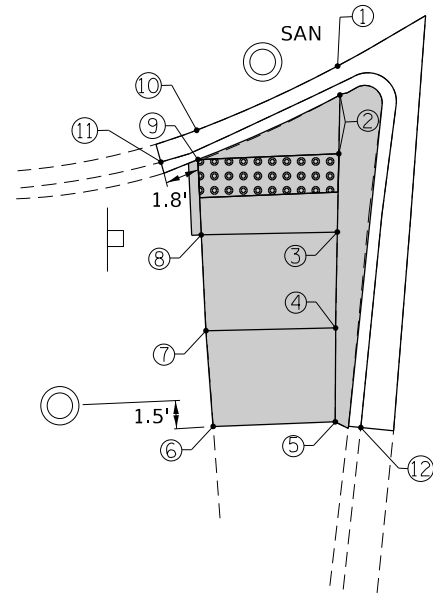
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
GREGORY STREET FROM 127TH ST. TO WESTERN AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RE. 2846	SECTION (55-1414)RS-1	COUNTY COOK	TOTAL SHEETS 30	SHEET NO. 18
				CONTRACT NO. 62F81
ILLINOIS FED. AID PROJECT				

NEW ST.



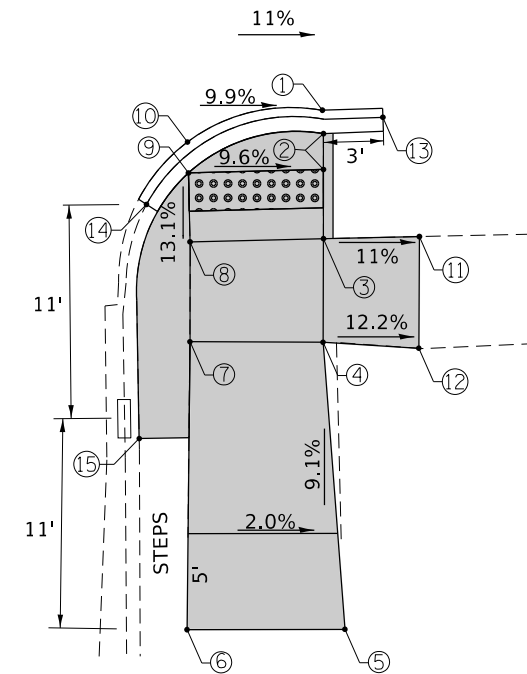
GREGORY ST.

ADA RAMP SOUTHWEST CORNER GREGORY ST. & NEW ST.

POINT NO.:	EX. ELEVATION	PR. ELEVATION
1	637.30	Meet Existing
2	NA	637.3
3	NA	637.6
4	NA	637.65
5	637.99	Meet Existing
6	637.90	Meet Existing
7	NA	637.60
8	NA	637.52
9	NA	637.21
10	637.21	Meet Existing
11	637.16	Meet Existing
12	637.50	Meet Existing

POINT NO.	DISTANCE (FEET)	GRADES
1-2	1.50	0.0%
2-3	4.00	7.5%
3-4	5.10	1.0%
4-5	5.00	6.8%
5-6	6.40	1.4%
6-7	5.00	6.0%
7-8	5.00	1.6%
8-9	3.90	7.9%
9-10	1.50	0.0%
10-1	8.00	1.1%
2-9	8.00	1.1%
3-8	7.00	1.1%
4-7	6.80	0.7%

NEW ST.



GREGORY ST.

ADA RAMP SOUTHEAST CORNER GREGORY ST. & NEW ST.

POINT NO.:	EX. ELEVATION	PR. ELEVATION
1	637.14	Meet Existing
2	NA	637.14
3	NA	637.4
4	NA	637.4
5	638.77	Meet Existing
6	638.49	Meet Existing
7	NA	637.40
8	NA	637.40
9	NA	637.87
10	637.87	Meet Existing
11	637.95	Meet Existing
12	638.01	Meet Existing
13	636.75	Meet Existing
14	638.18	Meet Existing
15	639.13	Meet Existing

POINT NO.	DISTANCE (FEET)	GRADES
1-2	1.60	0.0%
2-3	3.60	7.2%
3-4	5.40	0.0%
4-5	15.00	9.1%
5-6	7.80	3.6%
6-7	15.00	7.3%
7-8	5.20	0.0%
8-9	3.60	13.1%
9-10	1.60	0.0%
11-12	5.80	1.0%
10-1	7.40	9.9%
9-2	7.60	9.6%
8-3	7.00	0.0%
7-4	7.00	0.0%
4-12	5.00	12.2%
3-11	5.00	11.0%

REFERENCE BENCHMARK ELEV 638.51
 BENCHMARK : EASTERLY BOLT OF FIRE HYDRANT.
 LOCATION : EAST CORNER OF GREGORY ST. & NEW ST.

LEGEND

xx.xx'

EXISTING LENGTH

====

PROPOSED SIDE CURB

()

EXISTING ELEVATION/SLOPE



PROPOSED SIDEWALK



DETECTABLE WARNINGS



SIDEWALK REMOVAL
 REPLACE W/TOPSOIL & SOD

REFERENCE BENCHMARK ELEV 638.51
 BENCHMARK : EASTERLY BOLT OF FIRE HYDRANT.
 LOCATION : EAST CORNER OF GREGORY ST. & NEW ST.

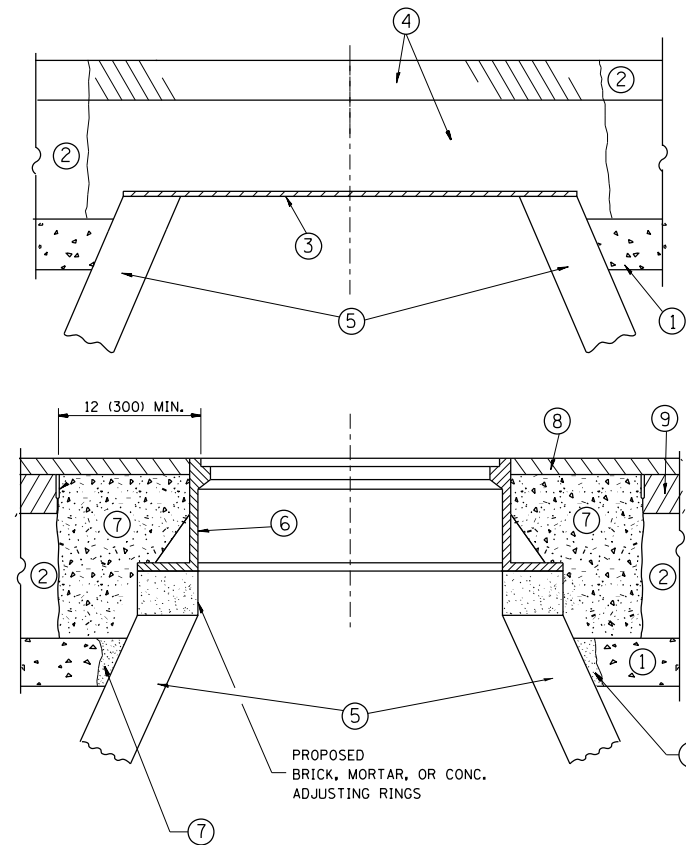
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Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SIDEWALK DETAIL PLAN
 GREGORY STREET FROM 127TH ST. TO WESTERN AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2846	(55-1414)RS-1	COOK	30	19
CONTRACT NO. 62F81				
ILLINOIS FED. AID PROJECT				



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT:

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

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

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

NOTES:

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

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

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

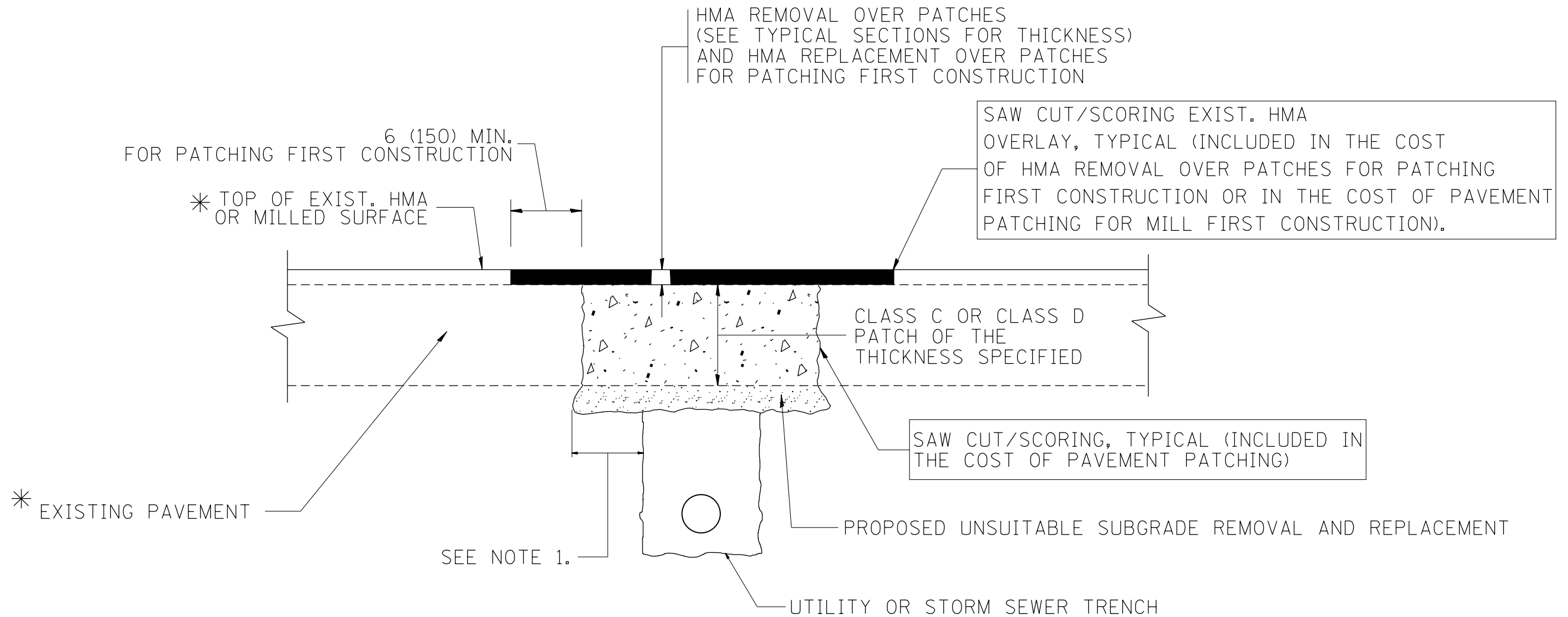
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = hassan	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
p:\11\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI21\BRAW\Design\DistStd.dgn			REVISED - R. BORO 01-01-07
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 03-09-11
	PLOT DATE = 3/23/2018	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.
2846	(55-1414)RS-1	COOK	30	20
BD600-03 (BD-8)			CONTRACT NO. 62F81	
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)

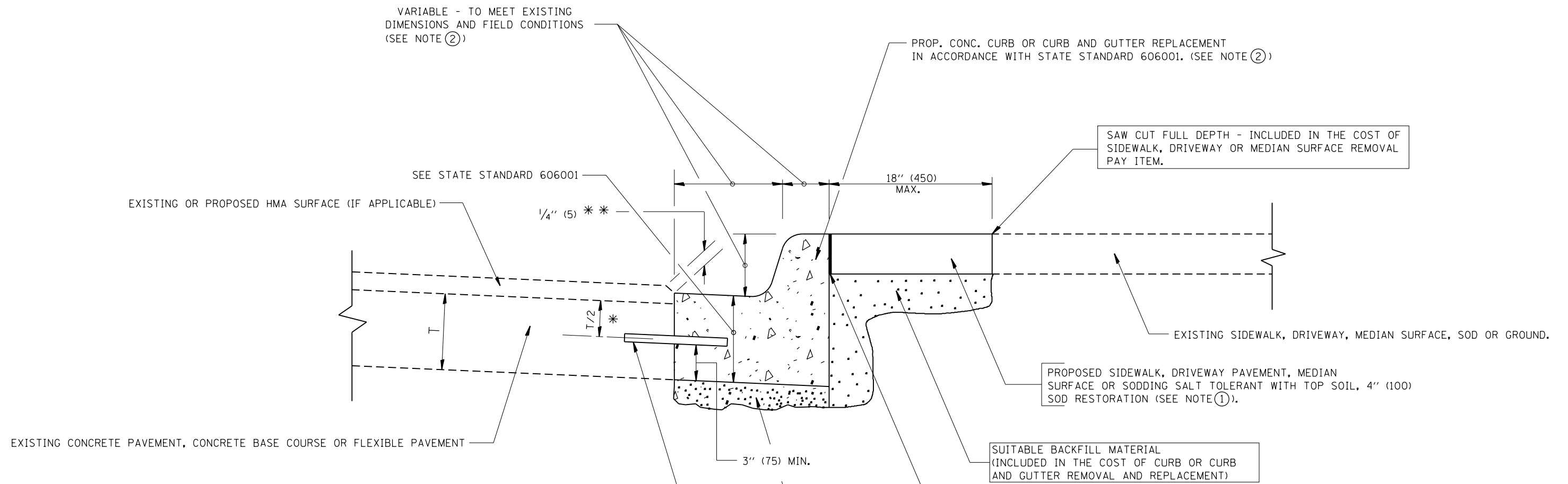
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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 = hassan	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI21\BRAW\Design\DistStd.dgn	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 01-01-07					2846	(55-1414)RS-1	COOK	30	21
	PLOT DATE = 3/23/2018	DATE - 10-25-94	REVISED - R. BORO 09-04-07		BD400-04 (BD-22)			CONTRACT NO. 62F81				
			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.

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.

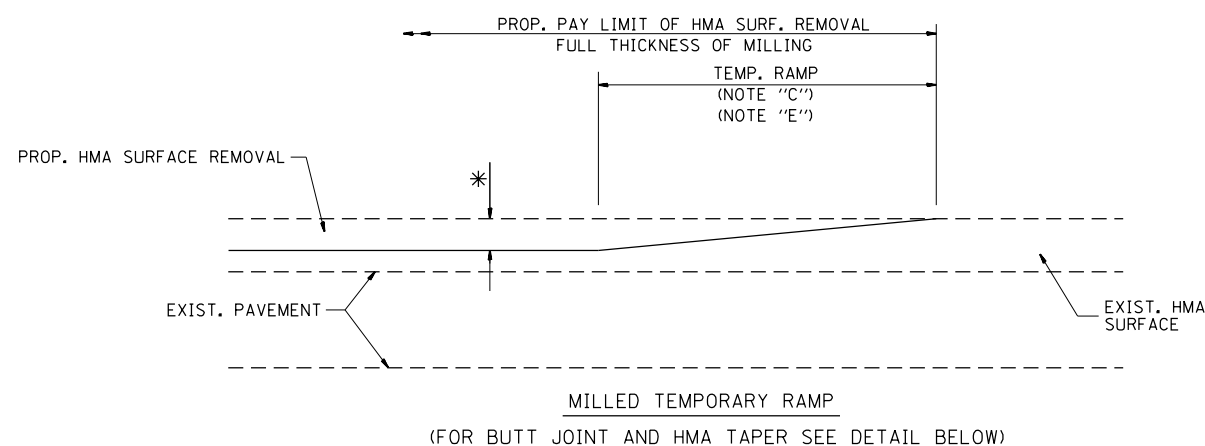
PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE 3).

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".

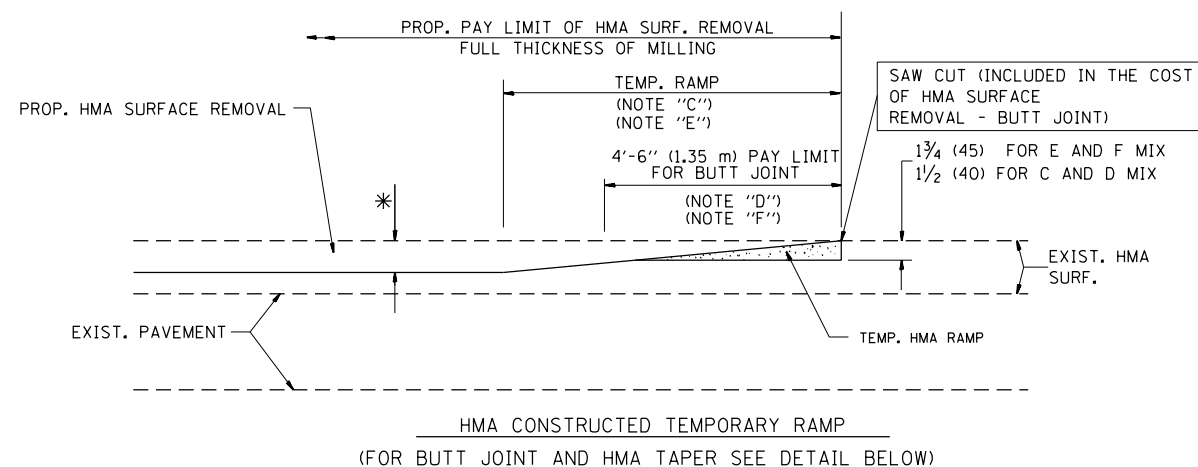
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = hassan	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. 2846	SECTION (55-1414RIS-1)	COUNTY COOK	TOTAL SHEETS 30	SHEET NO. 22		
pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI21\BRAW\Design\DistStd.dgn	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - M. GOMEZ 01-22-01			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	BD600-06 (BD-24) CONTRACT NO. 62F81		
PLOT DATE = 3/23/2018	DATE - 03-11-94	REVISED - R. BORO 12-15-09				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						

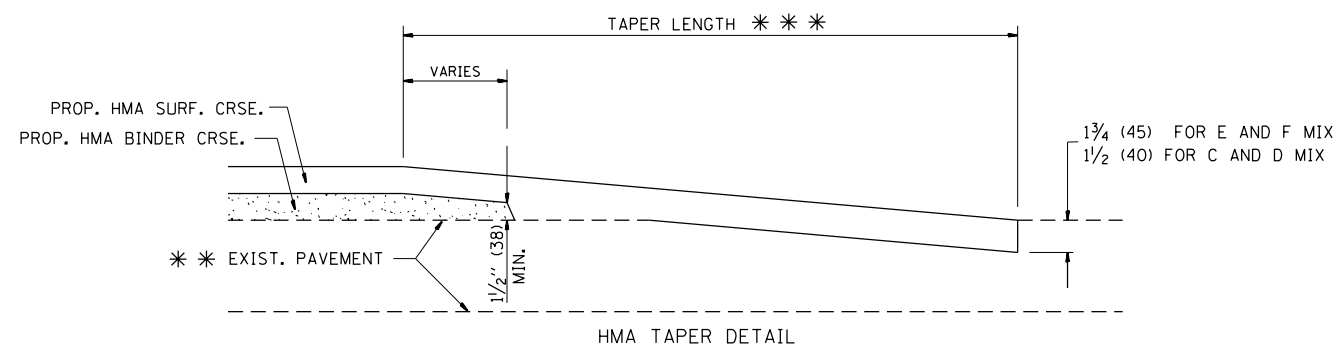
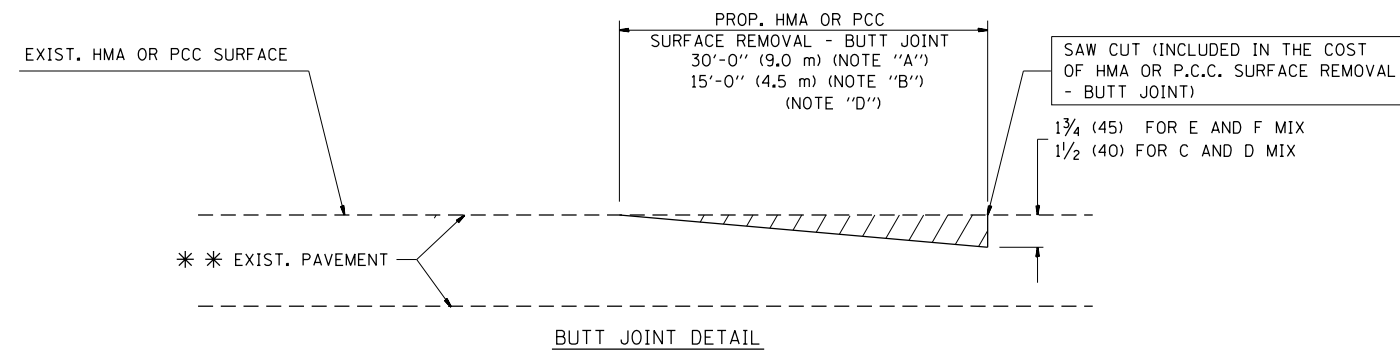


OPTION 1



OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

* * PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

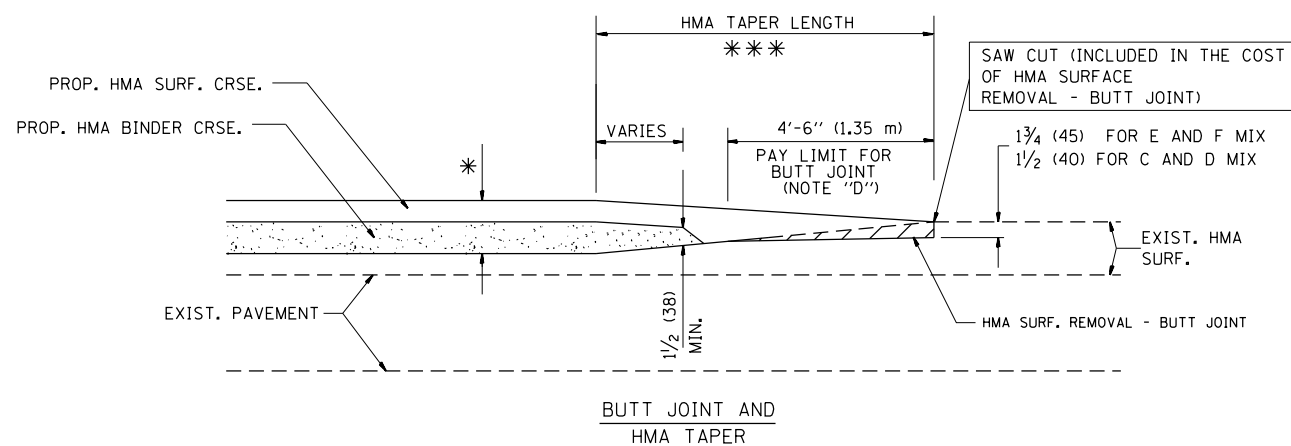
NOTES

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

BASIS OF PAYMENT:

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

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



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

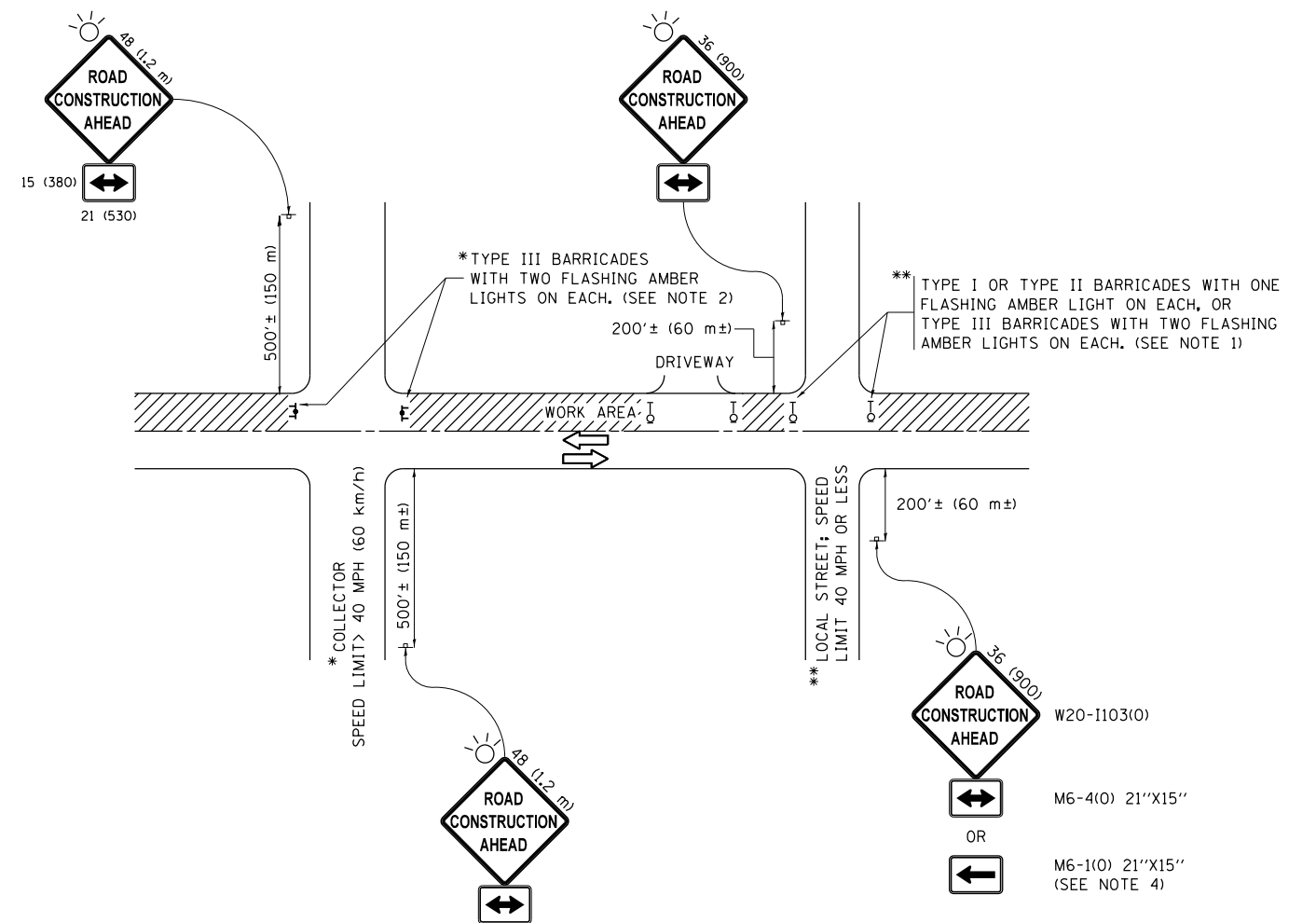
FILE NAME =	USER NAME = hassan	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI21\BRAW\Notes\Design\DistStd.dgn			REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 3/23/2018	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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2846	(55-1414)RIS-1	COOK	30	23
BD400-05 BD32		CONTRACT NO. 62F81		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

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

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

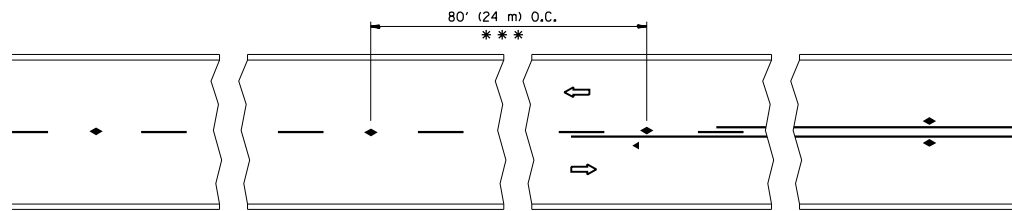
FILE NAME =	USER NAME = hassann	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI21\BRAW\Notes\Design\DistStd.dgn			REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 3/23/2018	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

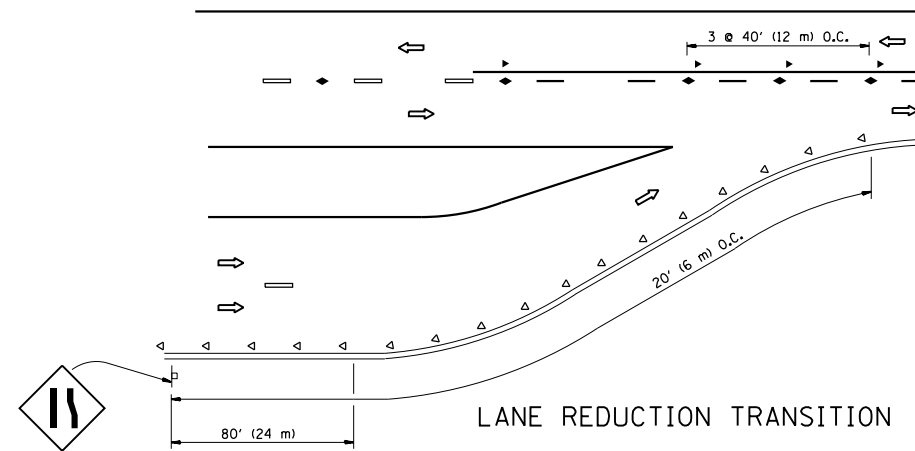
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2846	(55-1414)RIS-1	COOK	30	24
TC-10			CONTRACT NO. 62F81	
ILLINOIS FED. AID PROJECT				

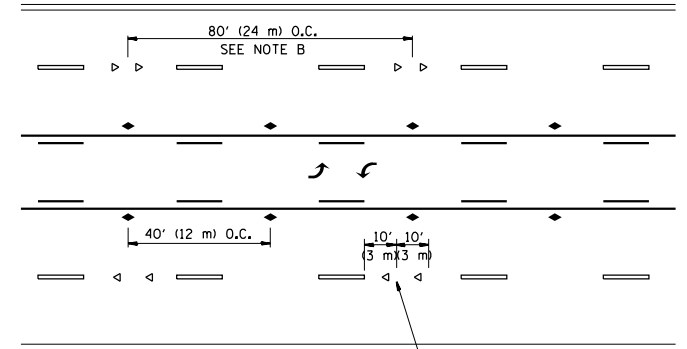


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

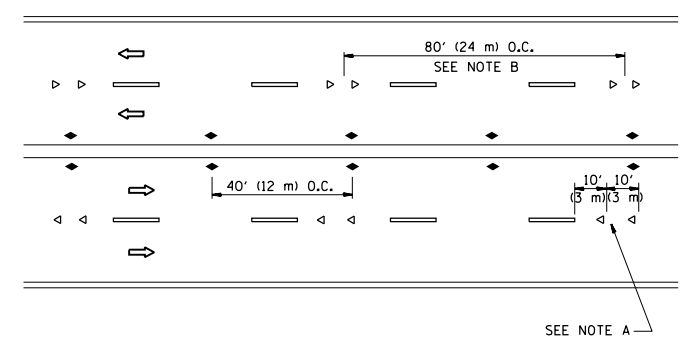
TWO-LANE/TWO-WAY



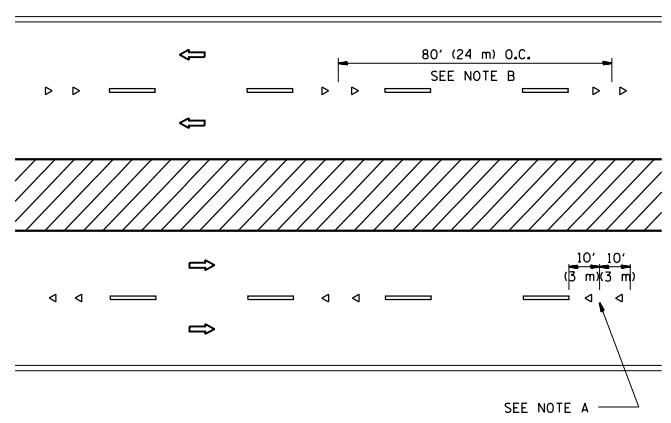
LANE REDUCTION TRANSITION



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

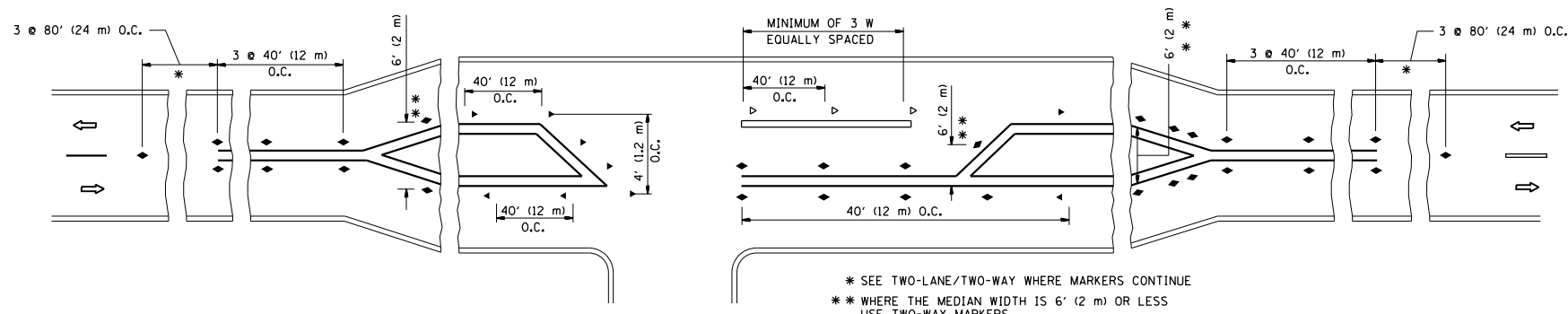
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

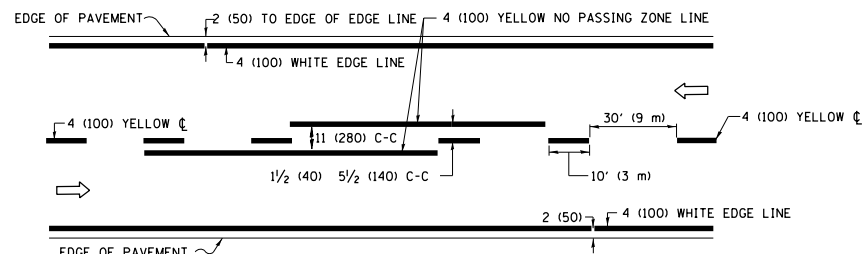


LEFT TURN

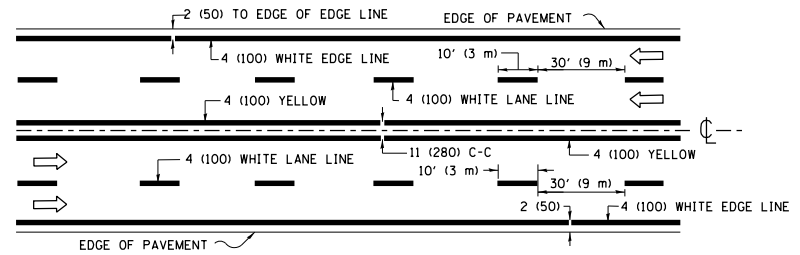
* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

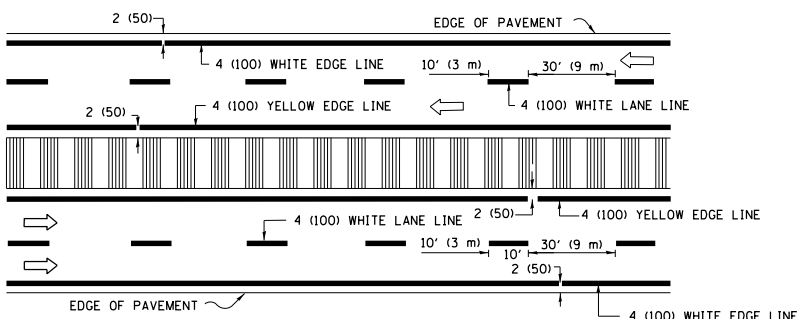
FILE NAME =	USER NAME = hassann	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI2101\BRAWN\Design\DistStd.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - T. RAMMACHER 03-12-99					2846	(55-1414RIRS-1)	COOK	30	25	
PLOT DATE = 3/23/2018	DATE -	REVISED - T. RAMMACHER 01-06-00	REVISED - C. JUCIUS 09-09-09		TC-11			CONTRACT NO. 62F81					
					SCALE: NONE			SHEET NO. 1 OF 1 SHEETS			STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



2-LANE ROADWAY

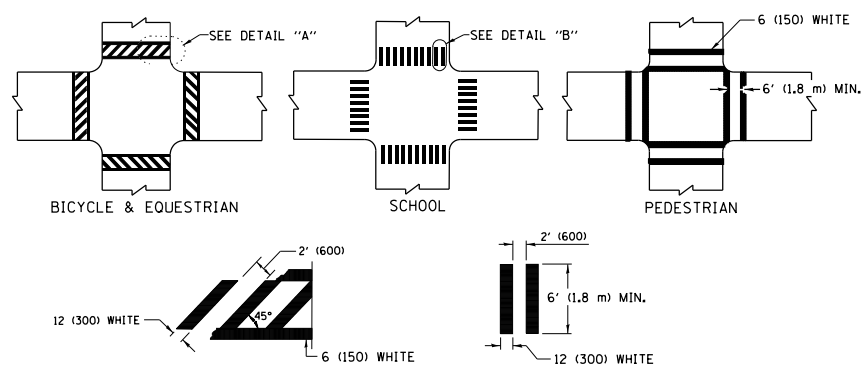


MULTI-LANE UNDIVIDED



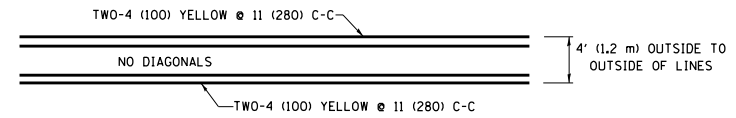
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

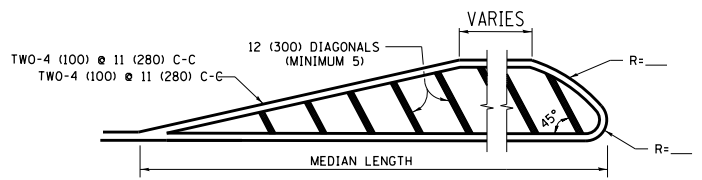


TYPICAL CROSSWALK MARKING

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

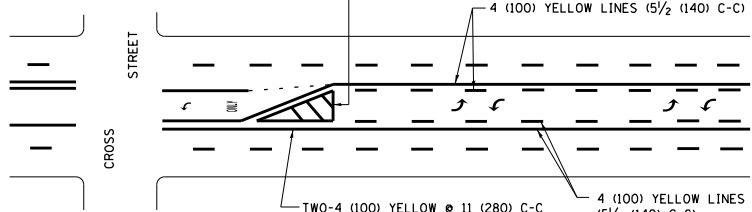


4' (1.2 m) WIDE MEDIANS ONLY



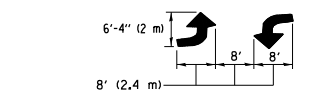
MEDIANS OVER 4' (1.2 m) WIDE

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

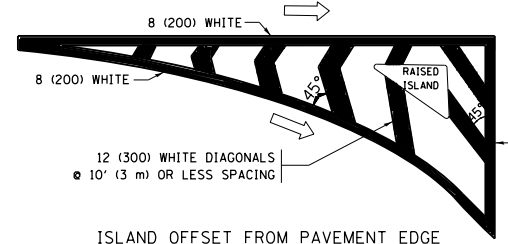
A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



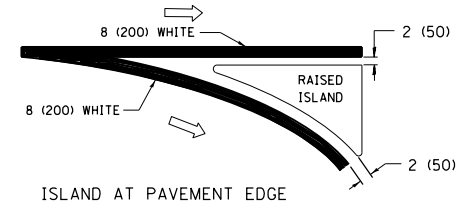
TYPICAL LEFT (OR RIGHT) TURN LANE

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

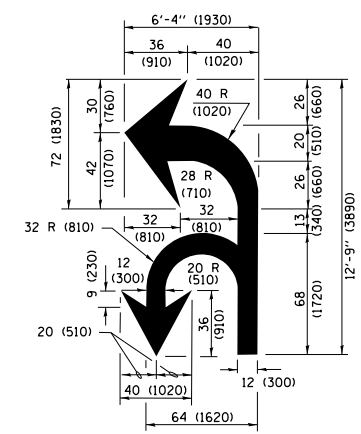
TYPICAL TURN LANE MARKING



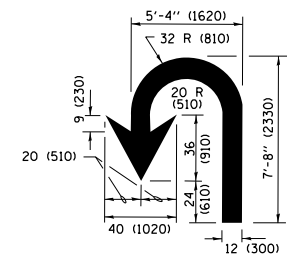
ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

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

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

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (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; 5/2 (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 = hassann	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pw\11\084EBIDINTEG\11\inois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI21\BROWN\Design\DistStd.dgn			REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 3/23/2018	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.
2846	(55-1414)RS-1	COOK	30	26
TC-13		CONTRACT NO. 62F81		
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

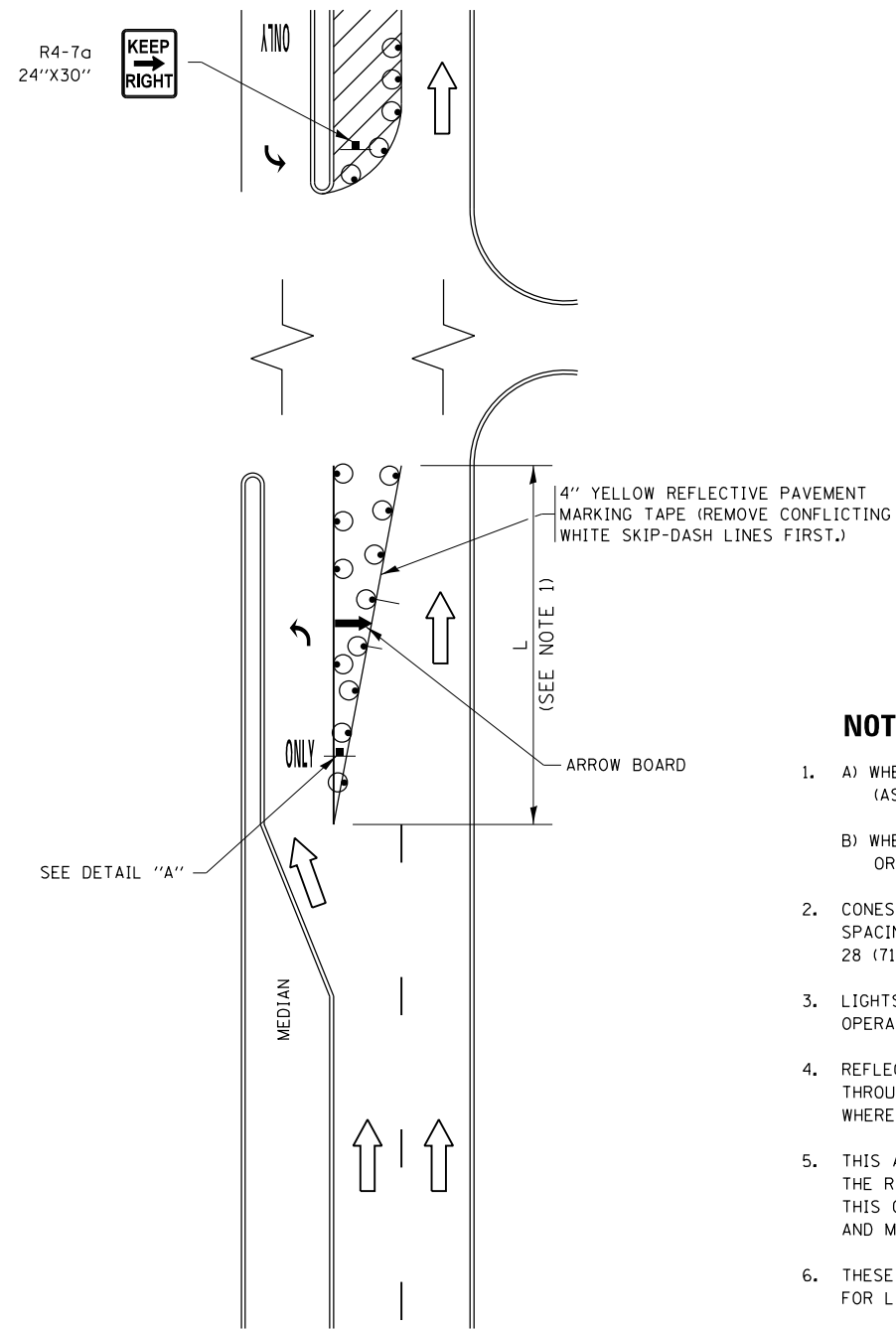


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

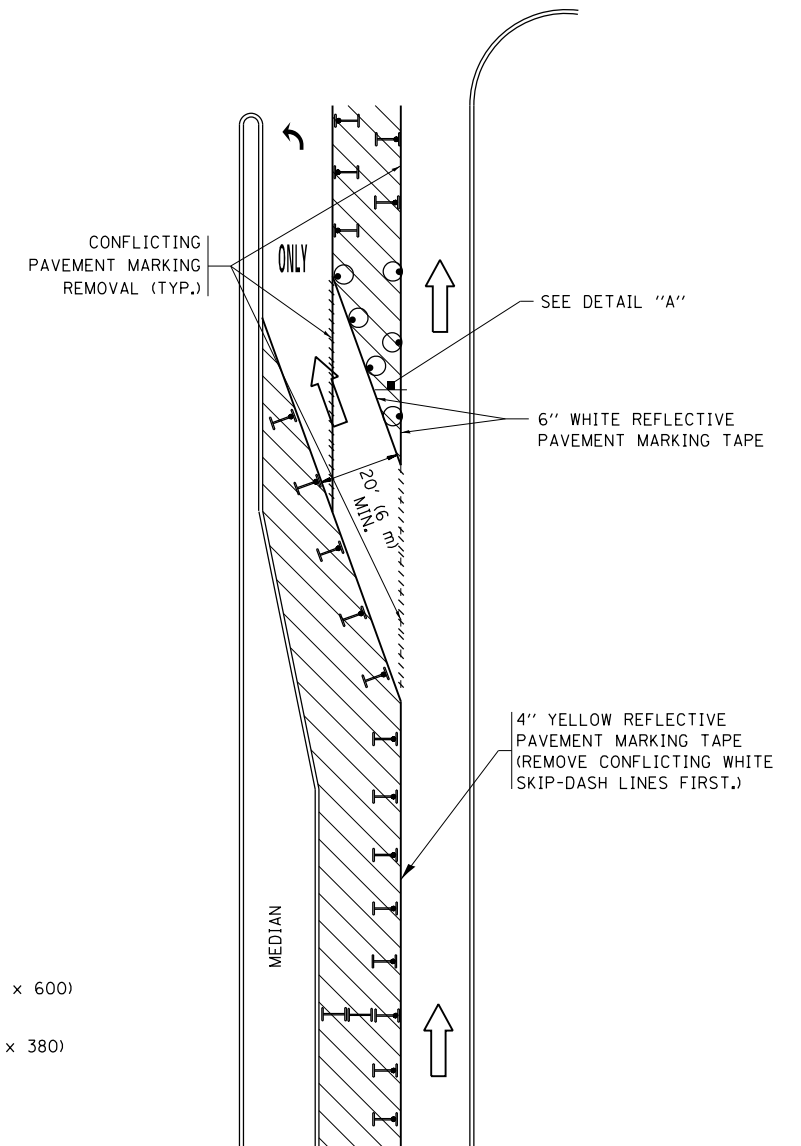
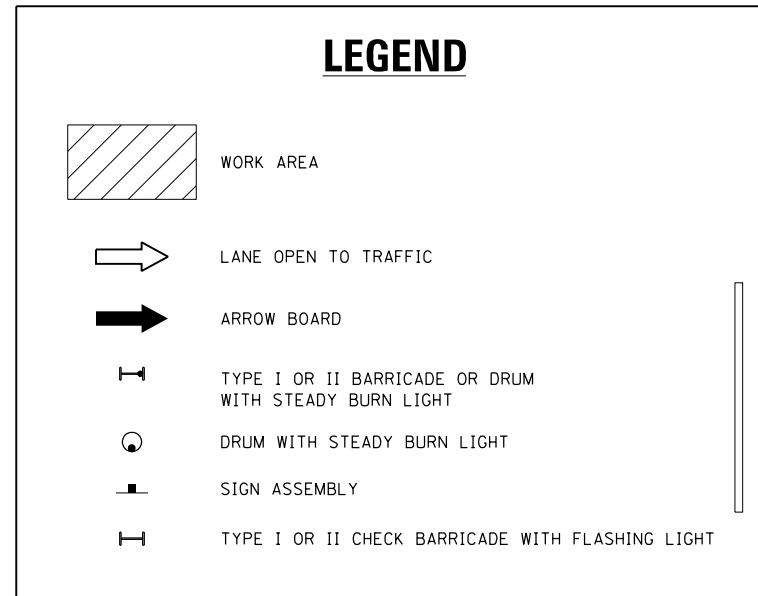
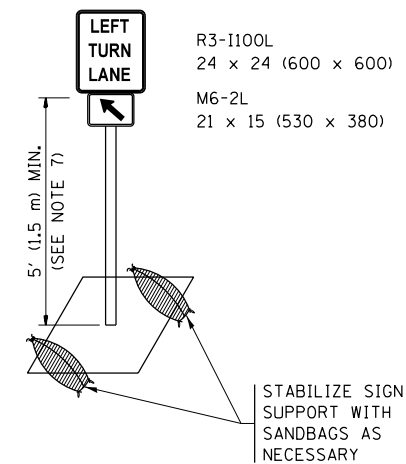


FIGURE 2



NOTES:

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

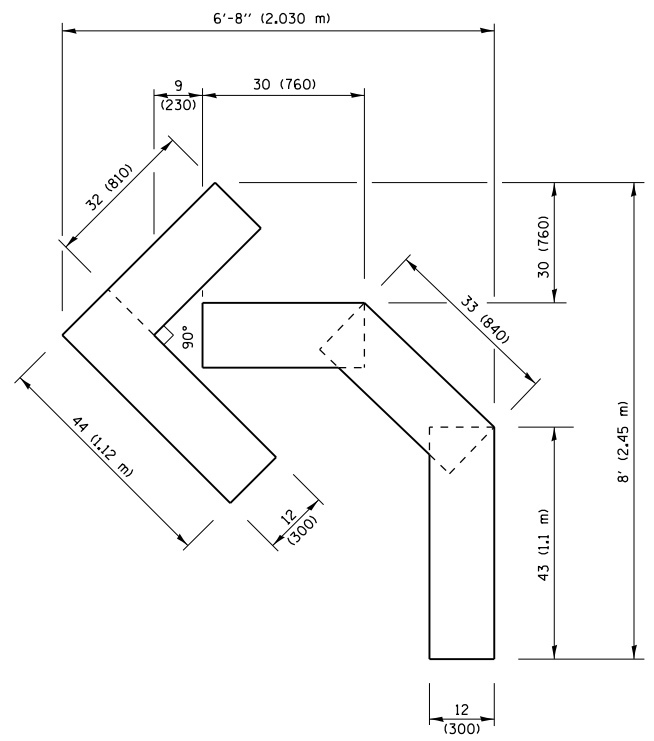


DETAIL A

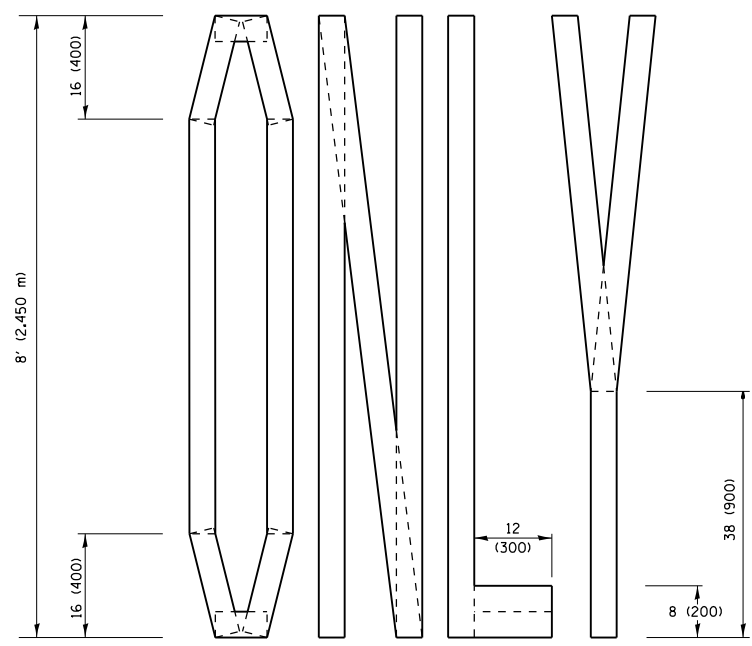
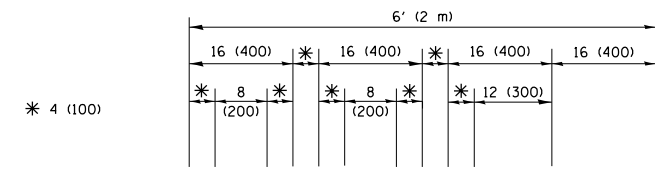
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = hassann	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)	F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PIDOT\Documents\IDOT Offices\District 1\Projects\DI21\REVISED Design\AUS#085611-07-95	REVISED - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13	REVISED - A. SCHUETZE 07-01-13			2846	(55-1414R)RS-1	COOK	30	27
Default	PLOT SCALE = 100.0000' / in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16			TC-14		CONTRACT NO. 62F81		
	PLOT DATE = 3/23/2018	REVISED - T. RAMMACHER 01-06-00	REVISED -			SCALE: NONE		SHEET 1 OF 1 SHEETS		STA. TO STA.

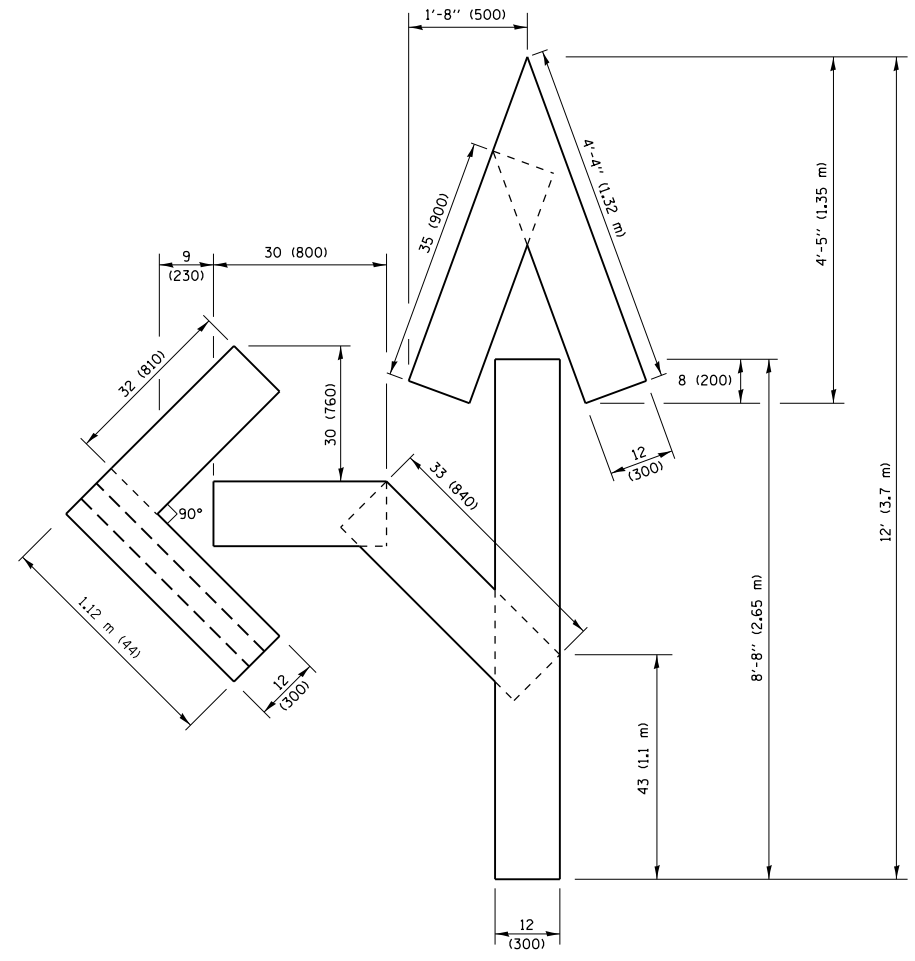
ILLINOIS FED. AID PROJECT



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

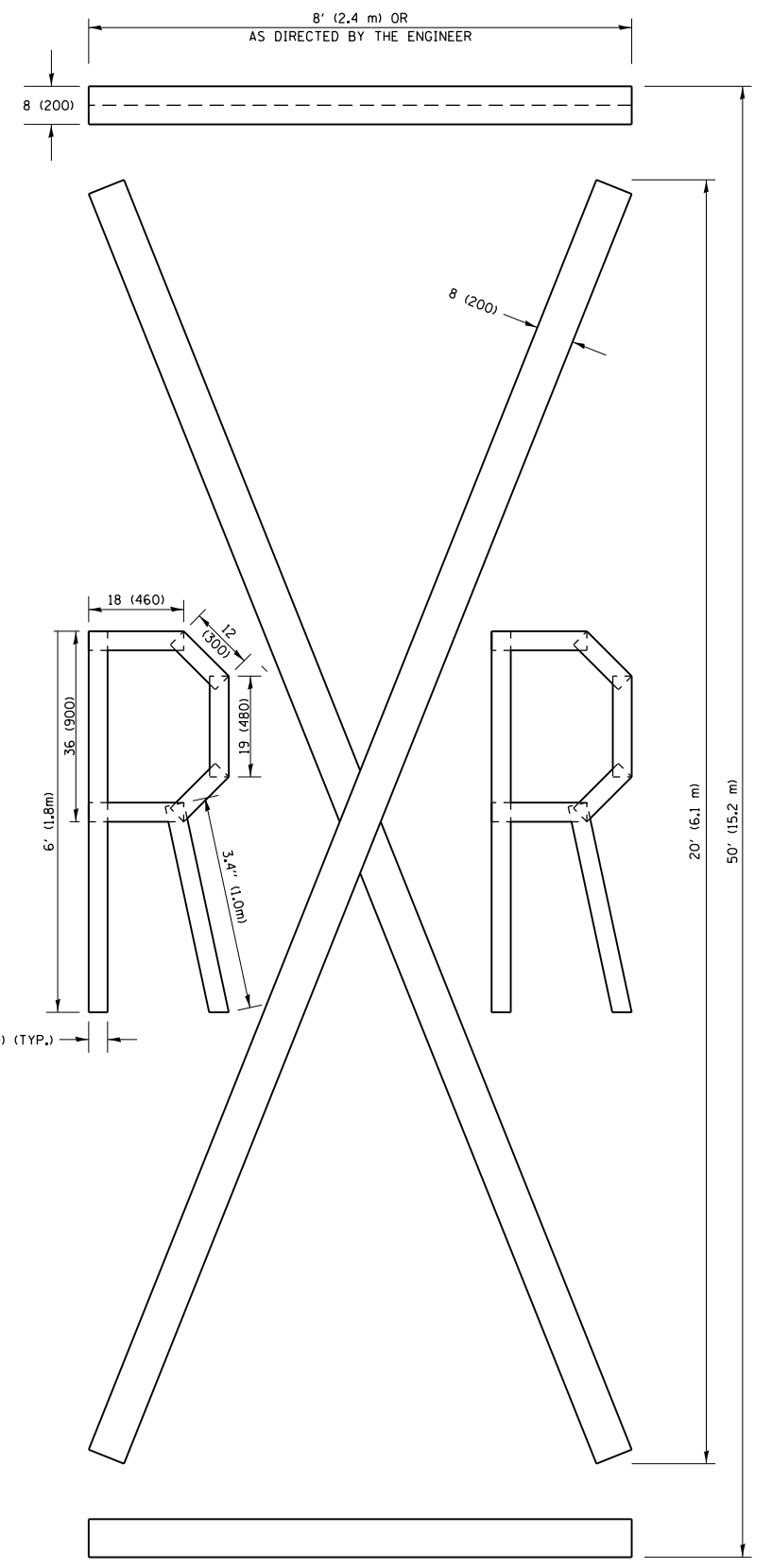


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



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)

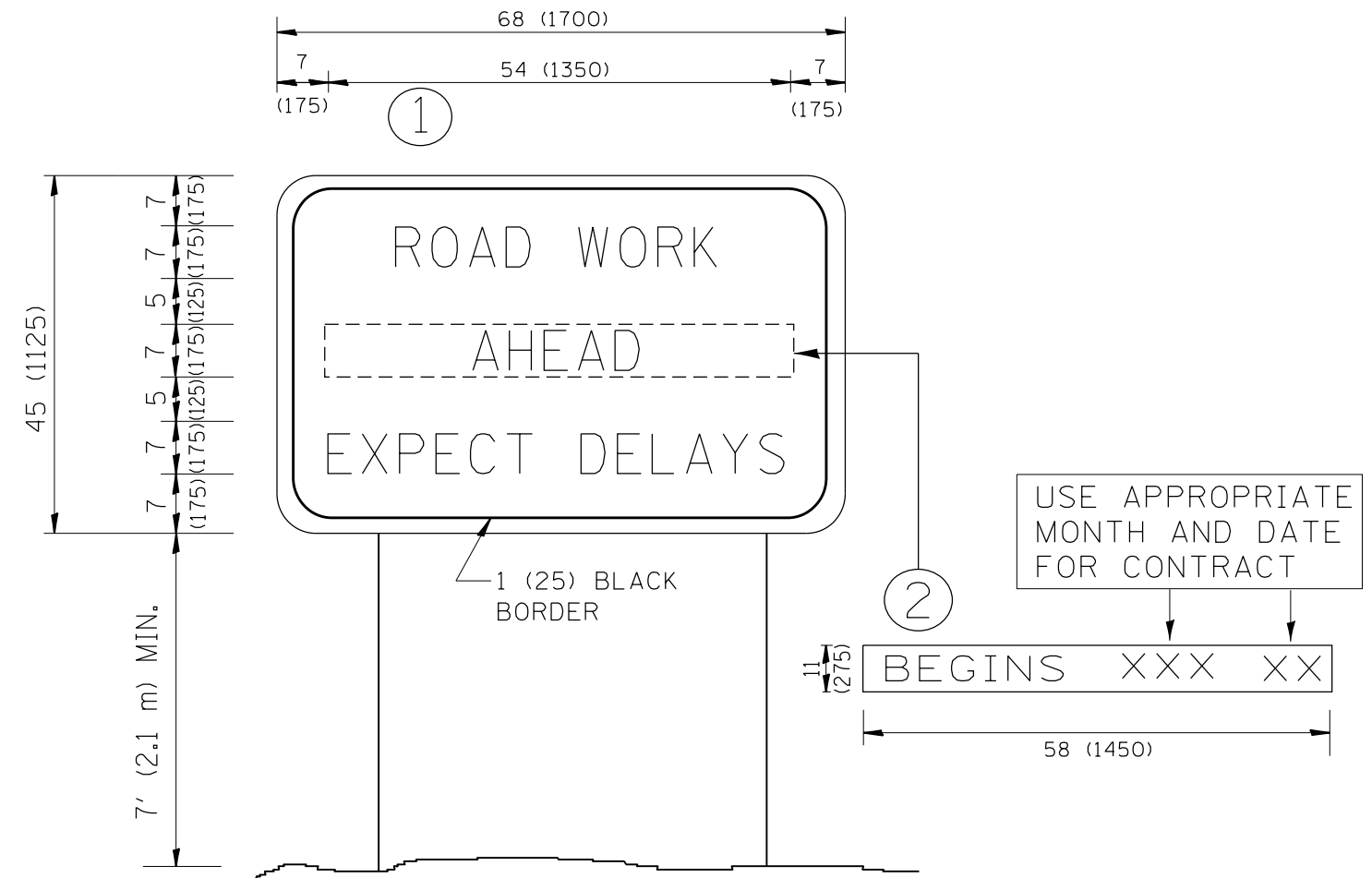
All dimensions are in inches (millimeters)
 unless otherwise shown.

FILE NAME =	USER NAME = hassann	DESIGNED -	REVISED -T. RAMMACHER 03-02-98
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI21\BRAWN\Design\DistStd.dgn		CHECKED -	REVISED -E. GOMEZ 08-28-00
		DATE -	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.
2846	(55-1414RIS-1)	COOK	30	28
TC-16		CONTRACT NO. 62F81		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

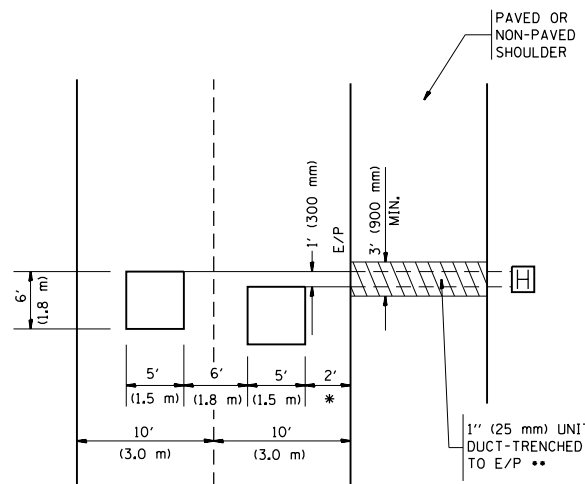
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
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 = hassann	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\DI21\BRAW\Notes\Design\DistStd.dgn			REVISED - R. MIRS 12-11-97			2846	(55-1414RIRS-1)	COOK	30	29
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99				TC-22		CONTRACT NO. 62F81		
PLOT DATE = 3/23/2018	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.



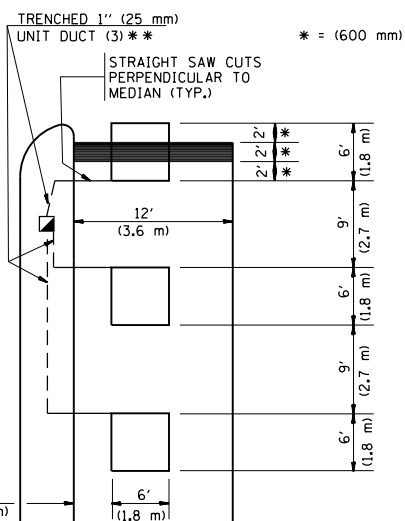
* = (600 mm)

** 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.

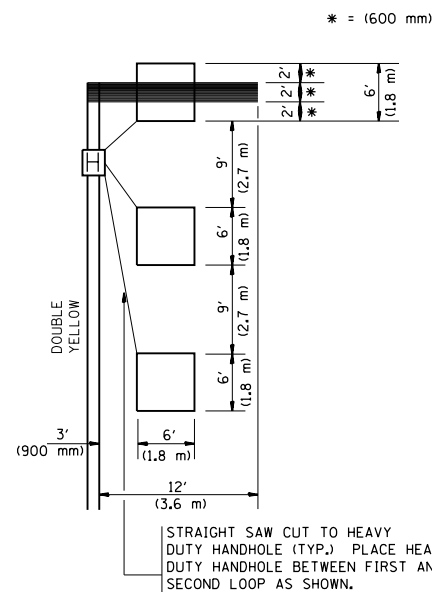


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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

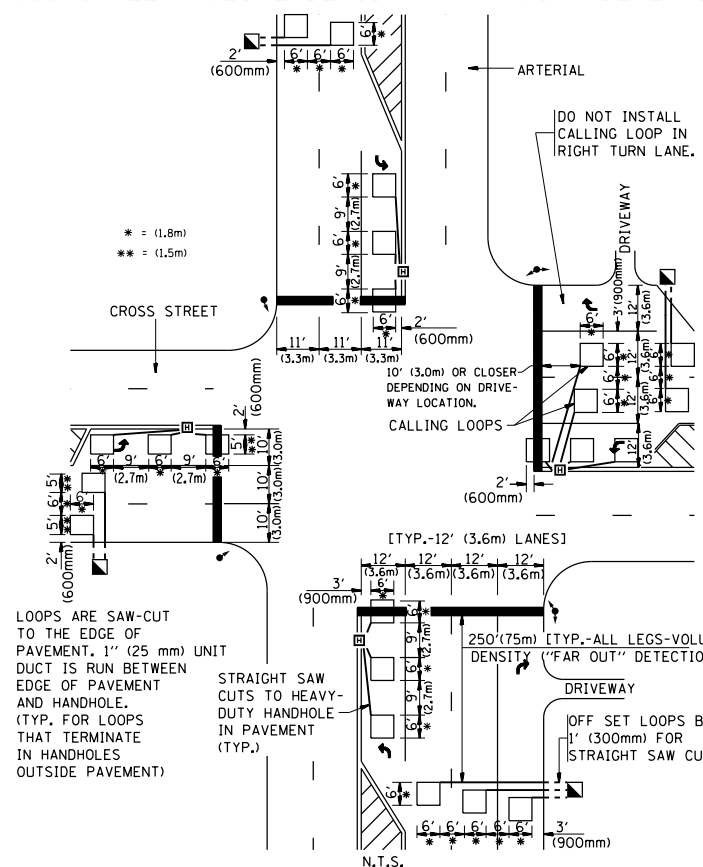
**LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH**

(PROTECTED / PERMITTED LEFT TURN PHASING)



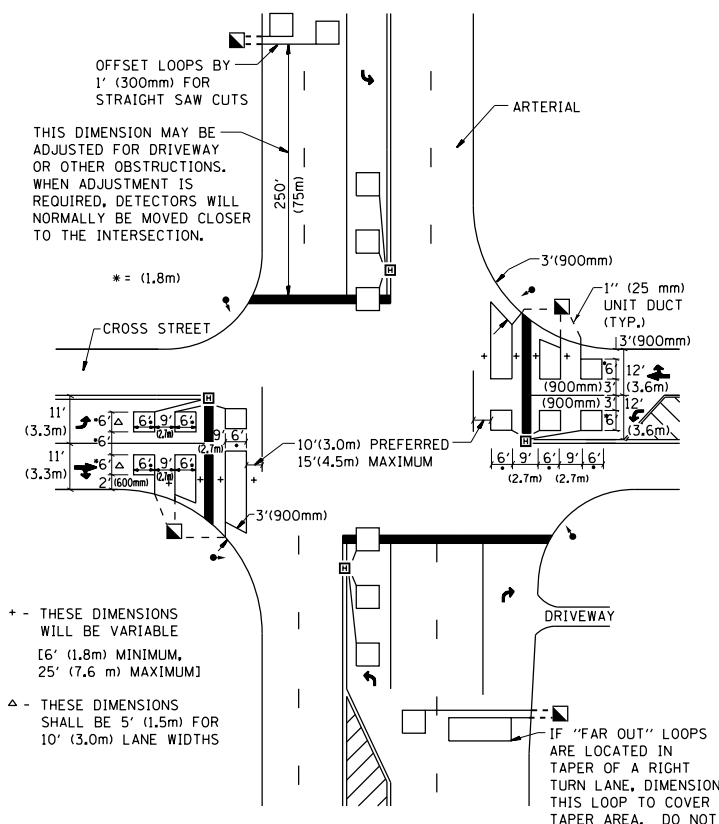
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**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 = hassann	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBID\INTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI21\BRAW\Design\DistStd.dgn		CHECKED - R.K.F.	REVISED -		2846	(55-1414RIS-1)	COOK	30	30			
PLOT SCALE = 100.0000' / 1"		DATE -	REVISED -		TS-07			CONTRACT NO. 62F81				
PLOT DATE = 3/23/2018					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			