

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU 1535 /FAU 1533 (71st STREET) AND FAU 2588 (JANES AVENUE)
IL ROUTE 53 TO ROBERTS ROAD AND
CENTER DRIVE TO WOODWARD AVENUE
RESURFACING

SECTION: 14-00070-00-RS
PROJECT NO: M-4003 (394)
VILLAGE OF WOODRIDGE
DUPAGE COUNTY
JOB NO: C-91-051-15

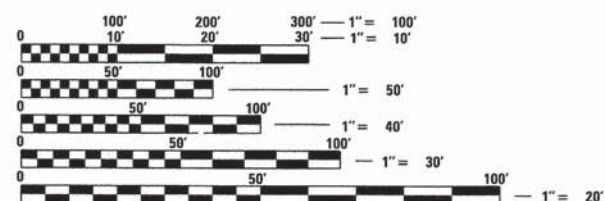
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 1535/ 1533/ 2588	14-00070-00-RS	DUPAGE	30	1
		ILLINOIS	CONTRACT NO. 61B21	

- 1 TITLE SHEET
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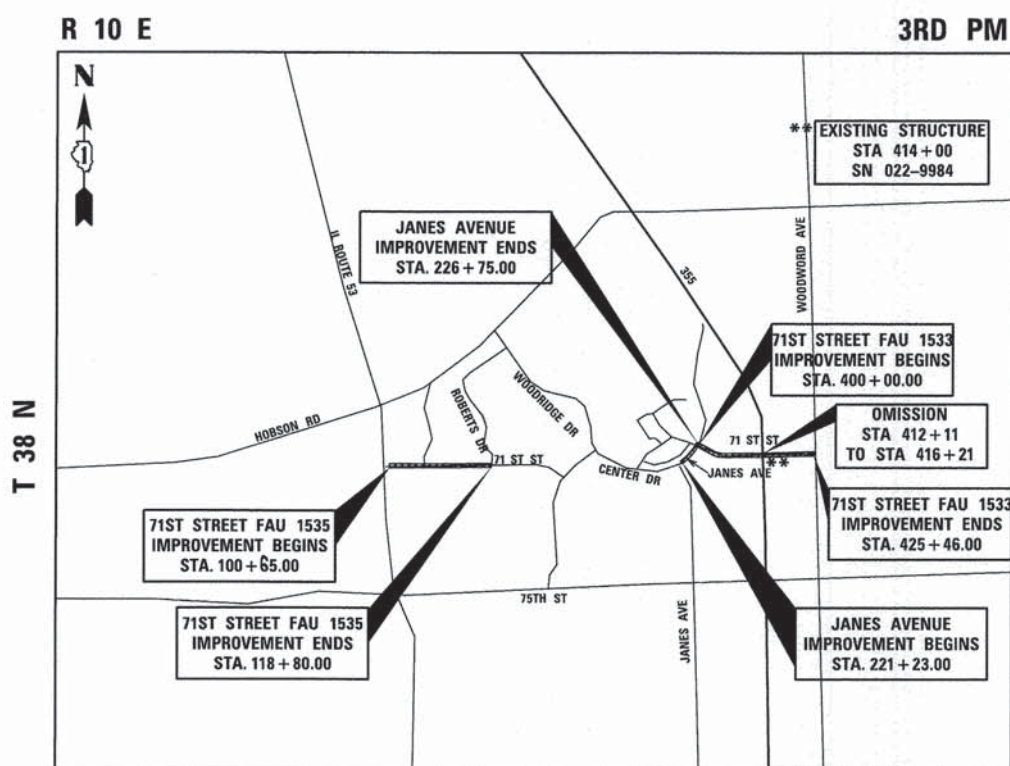
TRAFFIC INFORMATION

CLASSIFICATION	MAJOR COLLECTOR/MINOR ARTERIAL
	71ST STREET JANES AVE
DESIGN SPEED =	35 MPH
POSTED SPEED =	30 MPH (71ST ST AND JANES AVE)
ADT (2010) =	7,500 (71ST ST) 6,600 (JANES AVE)



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



LISLE TOWNSHIP PROJECT LOCATED IN THE VILLAGE OF WOODRIDGE

LOCATION MAP
NOT TO SCALE

GROSS LENGTH OF 71ST STREET 1535 = 1813.75 FT. = 0.3435 MILE
GROSS LENGTH OF JANES AVENUE = 552.42 FT. = 0.1046 MILE
GROSS LENGTH OF 71ST STREET 1533 = 2066.349 FT. = 0.3914 MILE



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Approved 2/2, 2015
C. B.
VILLAGE OF WOODRIDGE, DIRECTOR OF PUBLIC WORKS

Passed FEBRUARY 10, 2015
C. Holt
CHRISTOPHER HOLT
DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

Released for Bid
Based on Limited
Review February 10, 2015
John Fortson
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

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OF THE STATE OF ILLINOIS**

FEDERAL AID PROGRAM ENGINEER: FAWAD AQUEEL, PE 847-705-4021 SCHAUMBERG, IL



CONTRACT 61B21

GENERAL NOTES

1. SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS:

ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2012 (HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS); THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2015; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS, THE "DETAILS" ON THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS. ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

2. PROJECT COORDINATION:

THE CONTRACTOR SHALL NOTIFY THE ENGINEER, VILLAGE CONTACT AT 630-719-2941 AND V3 COMPANIES AT 630-724-9200 AT LEAST 72 HOURS IN ADVANCE OF BEGINNING WORK AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER. ATTENTION IS CALLED TO SECTION 701 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION. THE STORAGE OF EQUIPMENT AND/OR MATERIALS WITHIN THE RIGHT-OF-WAY OF ANY STREET AND/OR PARK PROPERTY SHALL REQUIRE PRIOR APPROVAL OF THE ENGINEER.

3. TRAFFIC CONTROL AND MAINTENANCE:

THE CONTRACTOR SHALL SCHEDULE HIS WORK SO THAT ONLY ONE TEMPORARY LANE CLOSURE ON ONE STREET IN ONE DIRECTION IS IMPLEMENTED AT A TIME. A LANE CLOSURE WILL ONLY BE PERMITTED DURING CONSTRUCTION OPERATIONS AND IN ACCORDANCE WITH THE APPLICABLE IDOT STANDARDS. THE CONTRACTOR SHALL FURNISH, ERECT, AND MAINTAIN ALL SIGNS, BARRICADES AND OTHER TRAFFIC CONTROL DEVICES, INCLUDING FLAGGERS, REQUIRED TO MAINTAIN TRAFFIC FLOW.

4. SAW CUTTING FOR REMOVAL:

THE CONTRACTOR SHALL MAKE ALL FULL DEPTH SAW CUT AT THE EDGE OF PAVEMENT ADJACENT TO THE REMOVAL OF ALL CONCRETE CURB OR COMBINATION CONCRETE CURB AND GUTTER. THE CONTRACTOR SHALL MAKE ALL FULL DEPTH SAW CUTS REQUIRED FOR THE REMOVAL OF CONCRETE CURB AND GUTTERS, SIDEWALKS, AND DRIVEWAYS AS SPECIFIED, OR AS DIRECTED BY THE ENGINEER. THE COST SHALL BE CONSIDERED INCLUDED IN THE COST FOR REMOVAL OF THE SPECIFIED ITEM IN THE CONTRACT.

5. BASE COURSE CLEANING:

PRIOR TO APPLYING THE HOT-MIX ASPHALT PRIME COAT, THE BASE SURFACE INCLUDING GUTTERS SHALL BE CLEANED OF LOOSE GRINDINGS, LEAVES, OF ALL DUST, DIRT, WEEDS AND OTHER FOREIGN MATERIALS. ALL CRACK FILL MATERIAL SHALL BE REMOVED IN ITS ENTIRETY ALONG THE CURB LINE. COST TO BE CONSIDERED INCLUDED IN THE COST OF THE HOT-MIX ASPHALT SURFACE WORK.

6. CLEAN-UP/DISPOSAL/DAMAGE:

A. THE CONTRACTOR SHALL MAINTAIN THE SITE IN A CLEAN AND ORDERLY MANNER. DEBRIS AND ANY SURPLUS MATERIAL SHALL BE REMOVED AND RESTORATION SHALL PROCEED AS THE WORK PROCEEDS. IF THE ENGINEER SO DIRECTS, THE CONTRACTOR SHALL STOP ALL OTHER WORK AND CONCENTRATE ON CLEAN-UP AND RESTORATION. DEBRIS AND SURPLUS MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR OFF-SITE.

B. ANY DAMAGE CAUSED BY THE CONTRACTOR TO EXISTING PAVEMENT, CURB & GUTTER, OR SIDEWALK NOT SHOWN TO BE REMOVED OR WORKED ON DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE CONTRACTORS EXPENSE

7. CONSTRUCTION LIMITS:

THE CONTRACTOR SHALL CONFINE OPERATIONS WITH IN THE CONSTRUCTION LIMITS OF THE PROJECT. ANY DAMAGE CAUSED BY THE CONTRACTOR INSIDE OF SAID CONSTRUCTION LIMITS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

8. PROPERTY ACCESS:

DURING CONSTRUCTION, ALL SIGNS, BARRICADES AND TEMPORARY PAVEMENT MARKINGS WILL CONFORM TO THE MUTCD AND ILLINOIS MUTCD. VEHICULAR ACCESS TO LOCAL PROPERTIES WILL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION, EXCEPT WHEN CONSTRUCTION OPERATIONS OCCUR DIRECTLY ON OR IN FRONT OF DRIVEWAYS. IN THIS CASE, FLAG PERSONS WILL BE USED TO DIRECT AND CONTROL TRAFFIC.

9. CURB AND GUTTER REPLACEMENT:

THE MINIMUM THICKNESS OF THE PROPOSED GUTTER FLAG SHALL BE 10" UNLESS OTHERWISE STATED IN THE PLANS OR DIRECTED BY THE ENGINEER.

10. CONSTRUCTION STAKING:

CONSTRUCTION STAKING FOR SIDEWALKS AND CURB REPLACEMENT AND PAVEMENT PATCHING SHALL BE INCLUDED IN THE UNIT COST FOR EACH ITEM BEING REPLACED.

HIGHWAY STANDARD	
000001-06	STANDARD SYMBOLS ABBREVIATION AND PATTERNS
424001-03	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424021-03	DEPRESSED CORNER FOR SIDEWALK
442201-03	CLASSIC AND D PATCHES
604051-04	TYPE 11 FRAME AND GRATE
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701101-04	OFF-ROAD OPERATIONS, MULTILANE, 15" TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATION
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATION DAY ONLY
701427-03	LANE CLOSURE MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS < 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-06	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-04	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT WARNINGS
886001-01	DETECTOR LOOP INSTALLATION
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

DISTRICT 1 STANDARDS	
BD01	DRIVEWAY DETAILS-DISTANCE BETWEEN R.O.W. AND CURB OR EDGE GREATER THAN OR EQUAL TO 15' (4.5m)
BD02	DRIVEWAY DETAILS-DISTANCE BETWEEN R.O.W. AND CURB OR EDGE LESS THAN 15' (4.5m)
BD08	DETAILS FOR FRAME AND LIDS ADJUSTMENT WITH MILLING
BD24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD32	BUTT JOINTS AND HMA TAPER
BD34	DETAIL FOR DEPRESSED CURB & GUTTER AND SHOULDER TREATMENT AT TBT TY 1 SPL
TC10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC22	ARTERIAL ROAD INFORMATION SIGN
TS05	DETECTOR LOOP WIRING SCHEMATIC
TS07	DETECTOR LOOP INSTALLATION DETAIL FOR ROADWAY RESURFACING



V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

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PLOT DATE = 2/13/2015	DATE - 08/29/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 14-00070-00-RS		DUPAGE	30	2
• 1535/ 1533/ 2588			CONTRACT NO. 61B21	
ILLINOIS FED. AID PROJECT				

ITEM NUMBER	ITEM	UNIT	TOTAL QUANTITY	EAST LEG OF 71ST STREET 1533	WEST LEG OF 71ST STREET 1535	JANES AVENUE
				FHWA 70% 0005 LOCAL 30%	FHWA 50% 0005 LOCAL 50%	LOCAL 100% NON-PARTICIPATING
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	100		100	
20700220	POROUS GRANULAR EMBANKMENT	CU YD	100		100	
20800150	TRENCH BACKFILL	CU YD	10		10	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SO YD	300		300	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	246	194	11	41
21400100	GRADING AND SHAPING DITCHES	FOOT	200		200	
25000110	SEEDING, CLASS 1A	ACRE	0.25	0.20		0.05
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	4.5	3.6		0.9
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	4.5	3.6		0.9
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	4.5	3.6		0.9
28000510	INLET FILTERS	EACH	33	27	2	4
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	11416	5803	2761	2852
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	30	10	10	10
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75,N50	TON	563	355	34	174
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	194	81	32	81
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	411		411	
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	1657	842	401	414
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	100	100		
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2577	1953	379	245
42400800	DETECTABLE WARNINGS	SO FT	286	192	66	28
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	16913	8597	4091	4225
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2264	1679	35	550
44000600	SIDEWALK REMOVAL	SO FT	2779	2155	379	245
44201705	CLASS D PATCHES, TYPE II, 5 INCH	SO YD	20		20	
44201709	CLASS D PATCHES, TYPE III, 5 INCH	SO YD	41		41	

* SPECIAL ITEMS

ITEM NUMBER	ITEM	UNIT	TOTAL QUANTITY	EAST LEG OF 71ST STREET 1533	WEST LEG OF 71ST STREET 1535	JANES AVENUE
				FHWA 70% 0005 LOCAL 30%	FHWA 50% 0005 LOCAL 50%	LOCAL 100% NON-PARTICIPATING
44201711	CLASS D PATCHES, TYPE IV, 5 INCH	SO YD	284		284	
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	239		239	
50105220	PIPE CULVERT REMOVAL	FOOT	75		75	
542A0215	PIPE CULVERTS, CLASS A, TYPE I 10"	FOOT	26		26	
542A0217	PIPE CULVERTS, CLASS A, TYPE I 12"	FOOT	49		49	
60404800	FRAMES AND GRATES, TYPE 11	EACH	3	3		
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1947	1694	35	218
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	332			332
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE I (SPECIAL) TANGENT	EACH	1	1		
* 63200310	GUARDRAIL REMOVAL	FOOT	50	50		
67100100	MOBILIZATION	L SUM	1	1		
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1		1	
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	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	0.5	0.1	0.4
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	6	2	2	2
70300100	SHORT TERM PAVEMENT MARKING	FOOT	1234	816	181	237
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	307	182		125
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	10740	3699	6864	177
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2924	2370		554
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	563	184	114	265
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	90	22		68
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	702	363		339

* SPECIAL ITEMS



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Woodridge, IL 60517
630.724.9200 phone
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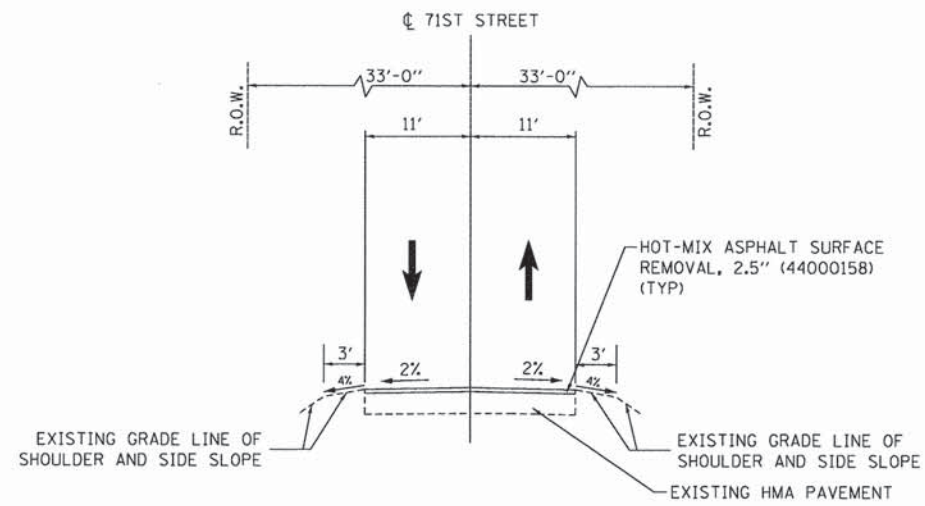
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DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

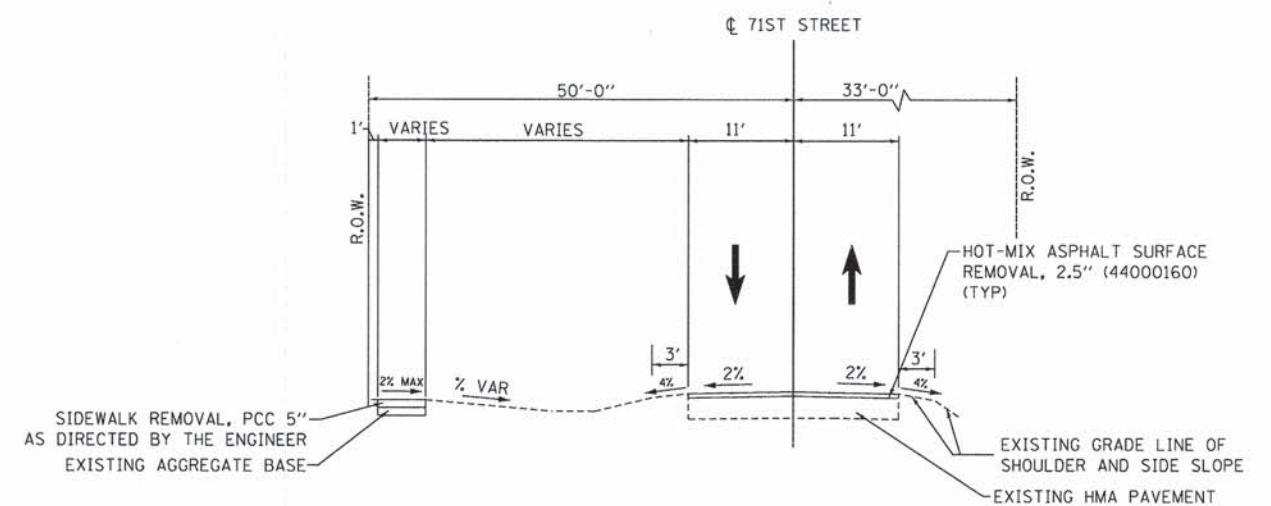
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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1535/ 1533/ 2588	CONTRACT NO. 61B21			

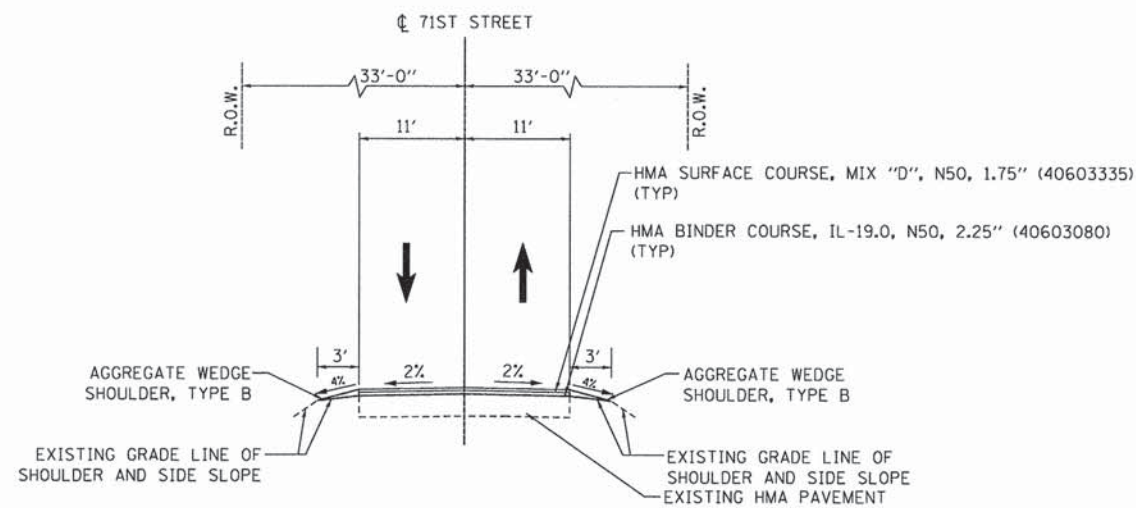
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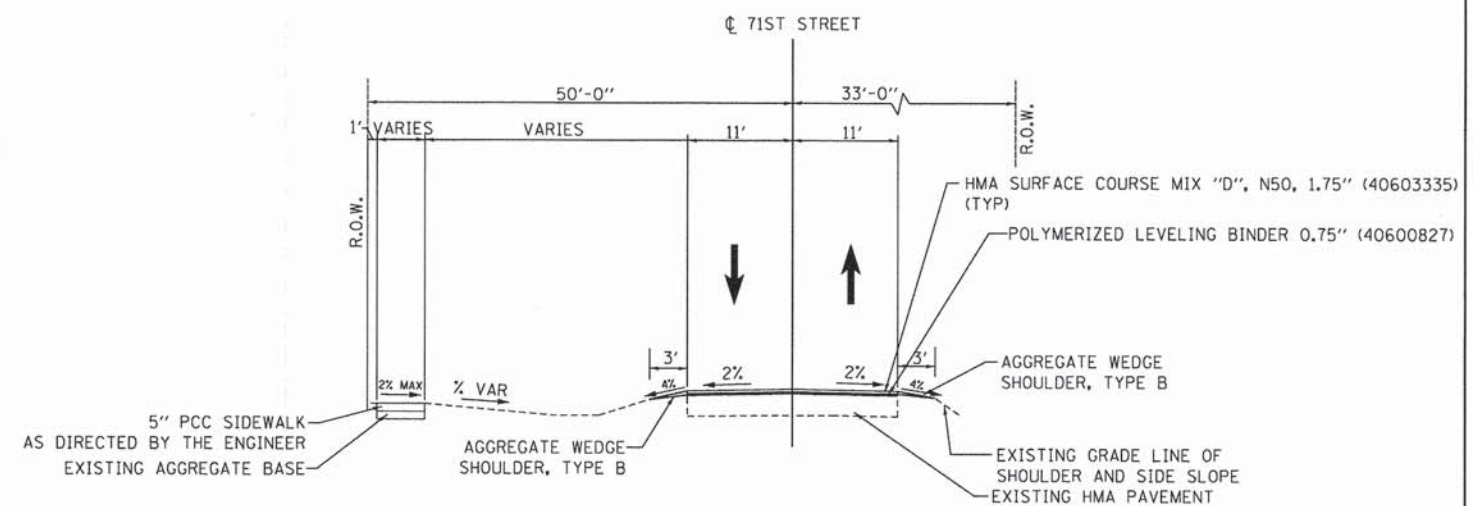
EXISTING TYPICAL SECTION
STA 100+65.00 TO STA 115+40.00
71st STREET WEST SECTION



EXISTING TYPICAL SECTION
STA 115+40.00 TO STA 118+80.00
71st STREET WEST SECTION



PROPOSED TYPICAL SECTION NO. 1
STA 100+65.00 TO STA 115+40.00
71st STREET WEST SECTION



PROPOSED TYPICAL SECTION NO. 2
STA 115+40.00 TO STA 118+80.00
71st STREET WEST SECTION

HOT-MIX ASPHALT REQUIREMENTS	
MIXTURE TYPE	VOIDS
71ST STREET WEST SECTION, LINCOLN AVENUE, 115+40.00	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm) 1 3/4"	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 2 1/4"	4% @ 50 GYR
71ST STREET WEST SECTION, 115+40.00, 118+80.00	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm) 1 3/4"	4% @ 50 GYR
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4"	3.5% @ 50 GYR
71ST STREET EAST SECTION, JANES AVENUE, WOODWARD AVENUE	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm) 1 3/4"	4% @ 50 GYR
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 3/4"	3.5% @ 50 GYR
JANES AVENUE SECTION, CENTER DRIVE, 71ST STREET	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm) 1 3/4"	4% @ 50 GYR
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 1"	3.5% @ 50 GYR

- UNIT WEIGHT USED TO CALCULATE MOST HOT-MIX ASPHALT MIXTURES IS 112 LBS/SO YD/IN. FOR LEVELING BINDER USE 110 LBS/SO YD/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 "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.



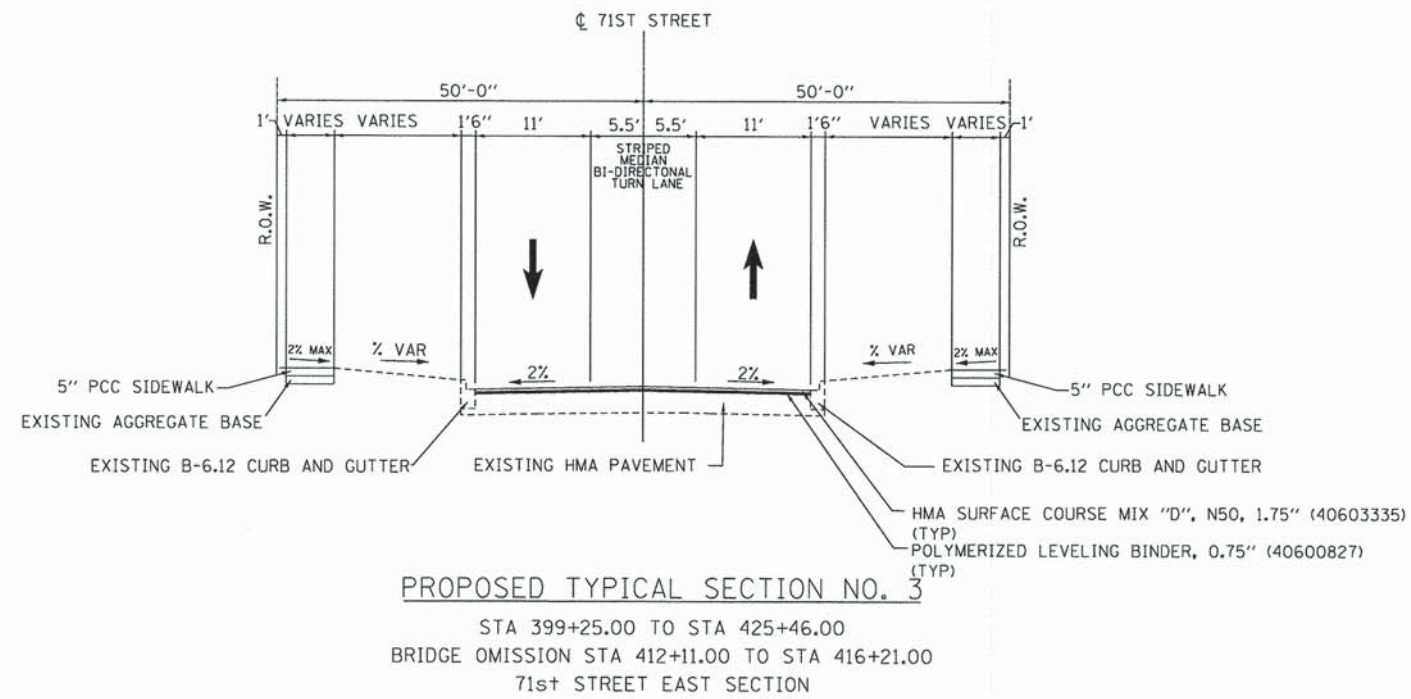
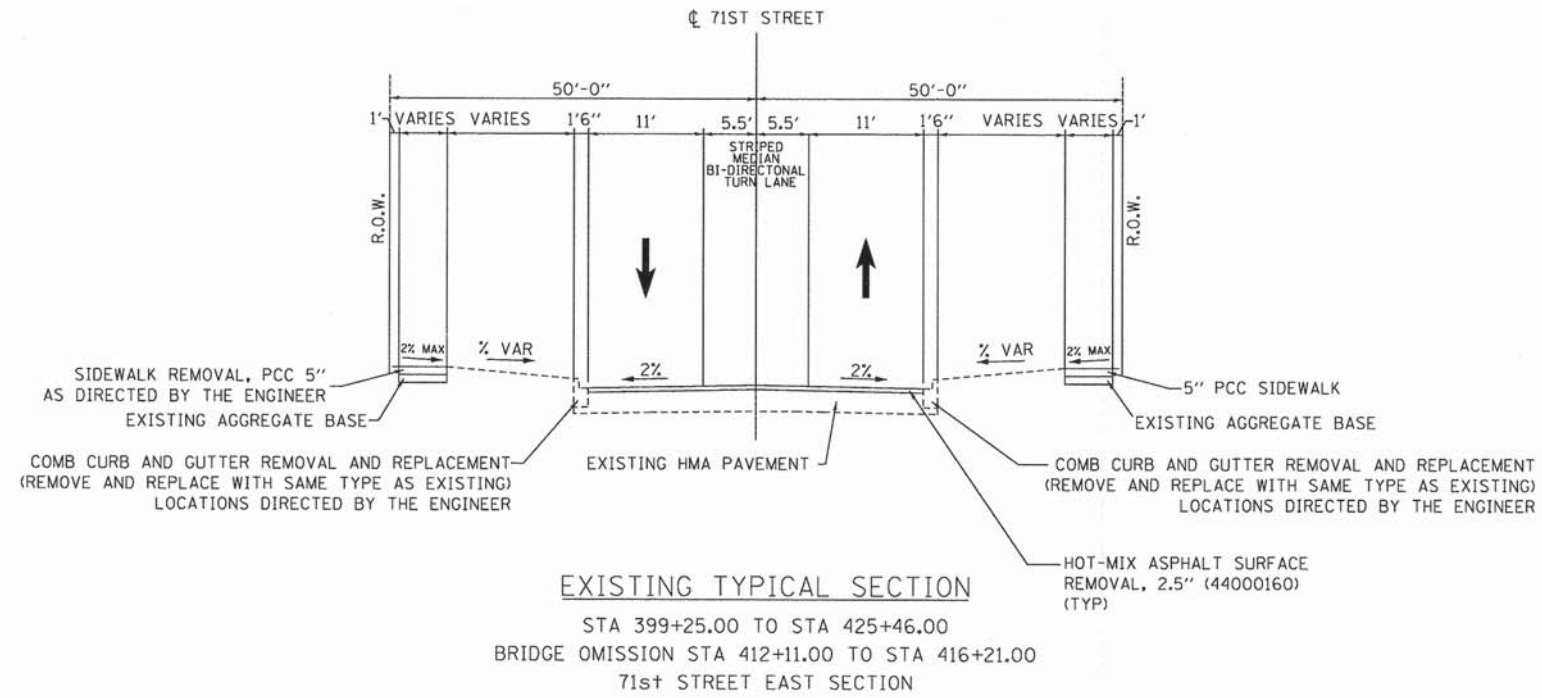
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71st ST TYPICAL SECTIONS

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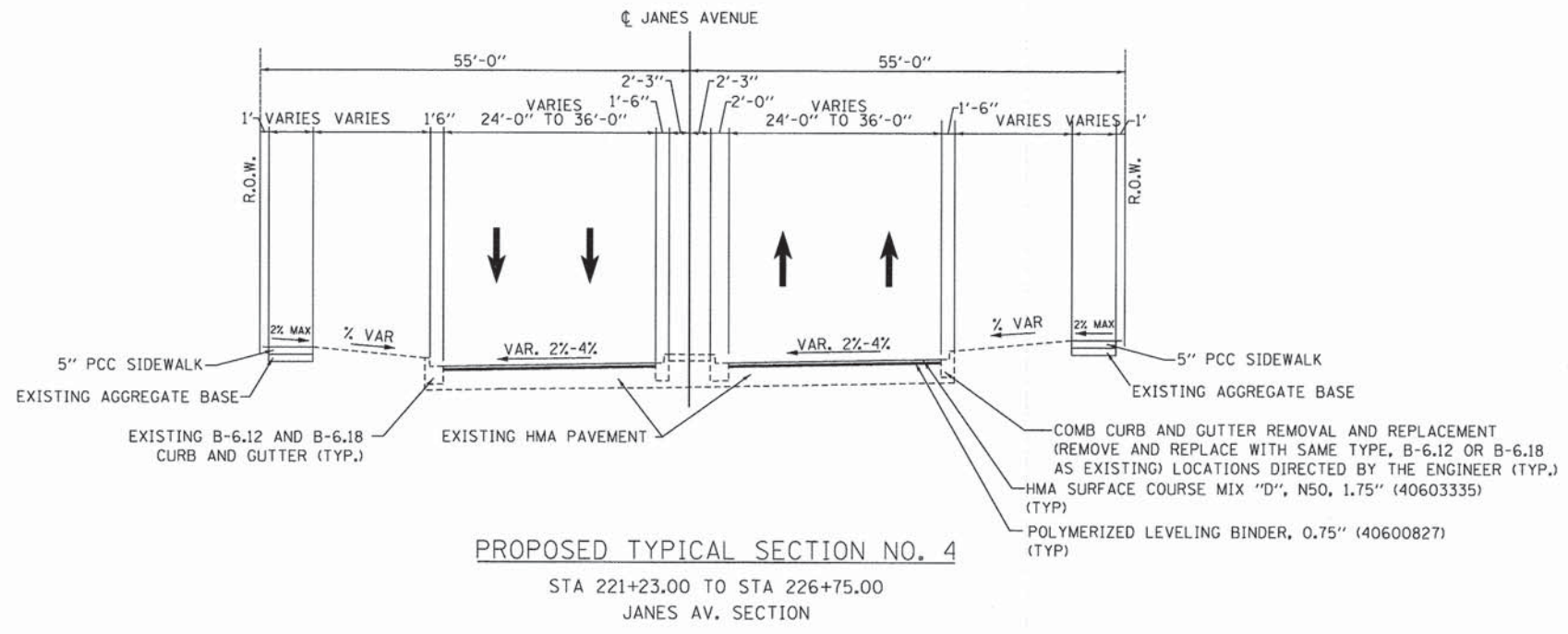
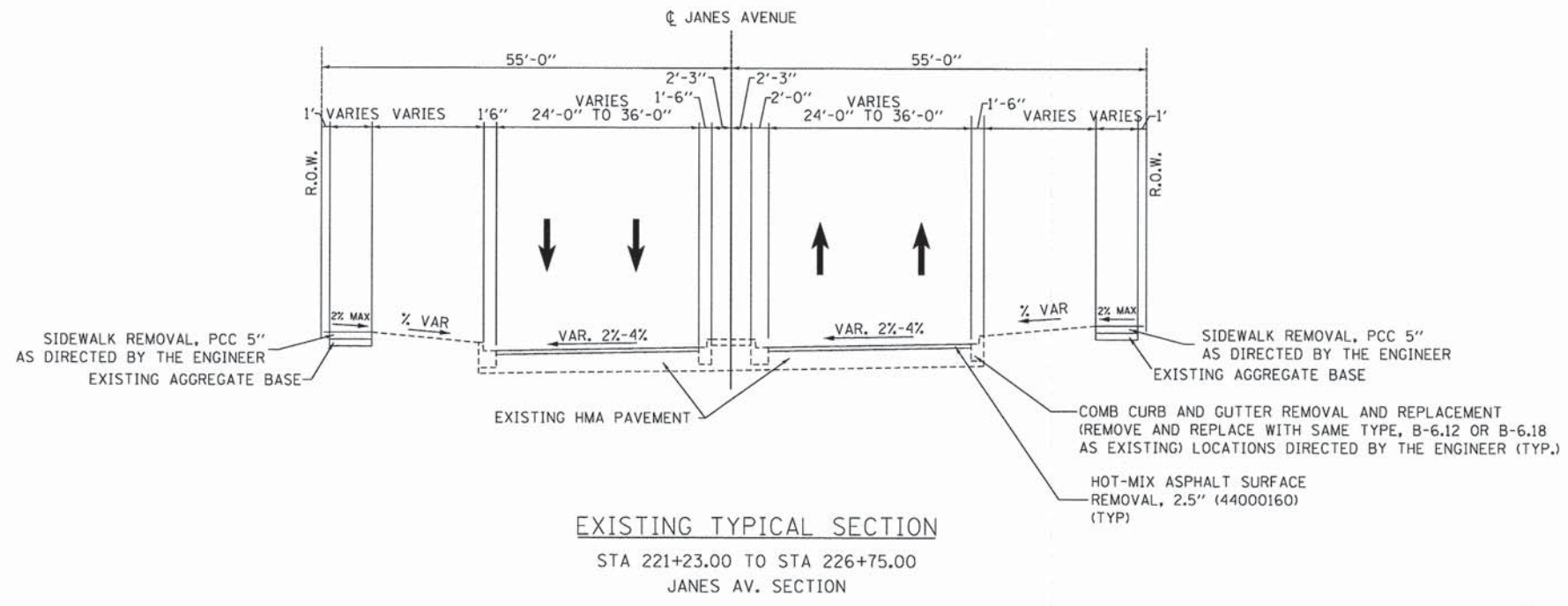
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DEPARTMENT OF TRANSPORTATION**

71st ST TYPICAL SECTIONS

SCALE: N.T.S. SHEET NO. 2 OF 2 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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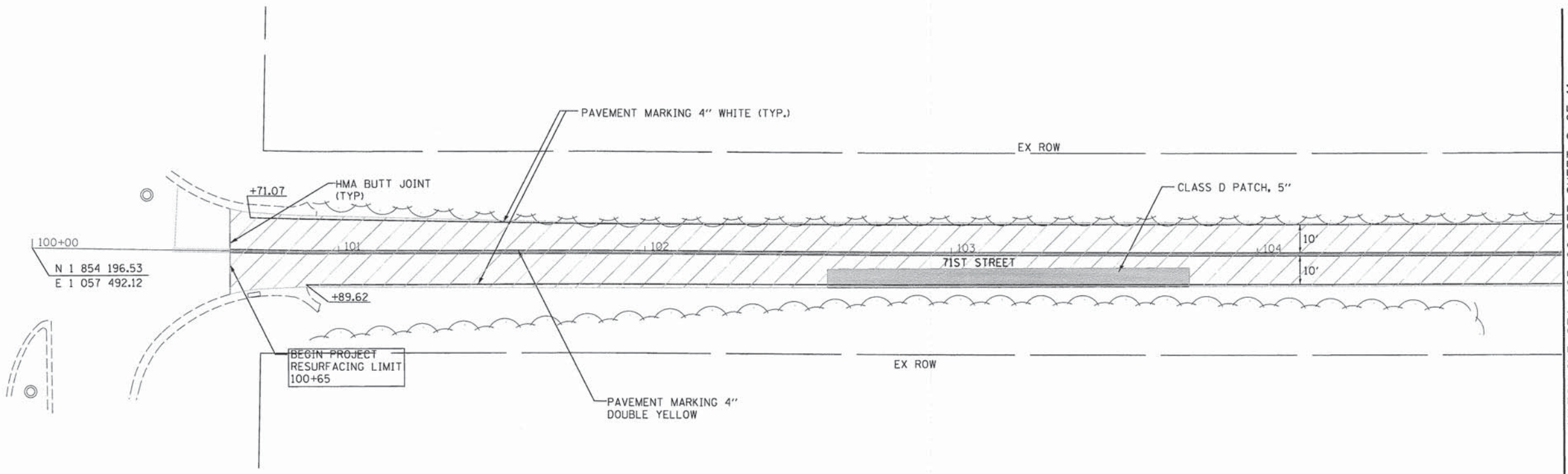
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DEPARTMENT OF TRANSPORTATION**

JANES AVENUE TYPICAL SECTIONS

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ILLINOIS FED. AID PROJECT				

IL RTE 53
LINCOLN AVE



100+00
N 1 854 196.53
E 1 057 492.12

+71.07
HMA BUTT JOINT (TYP)

+89.62

BEGIN PROJECT
RESURFACING LIMIT
100+65

PAVEMENT MARKING 4" WHITE (TYP.)

EX ROW

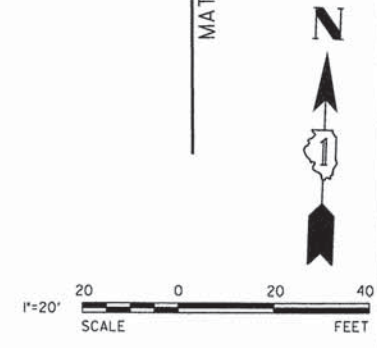
CLASS D PATCH, 5"

71ST STREET




PAVEMENT MARKING 4" DOUBLE YELLOW

EX ROW

MATCHLINE STA. 105+00 SEE SHEET 2 OF 11



LEGEND

-  HMA SURFACE REMOVAL 2 1/2"
HMA SURFACE COURSE, MIX "D", N50, 1.75"
HMA BINDER COURSE, IL-19.0, N50, 2.25"
-  HMA SURFACE REMOVAL 2 1/2"
HMA SURFACE COURSE MIX "D", N50, 1.75"
POLYMERIZED LEVELING BINDER 3/4"
-  CURB AND GUTTER REMOVAL AND REPLACEMENT

NOTES:
1. ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC PAVEMENT MARKING



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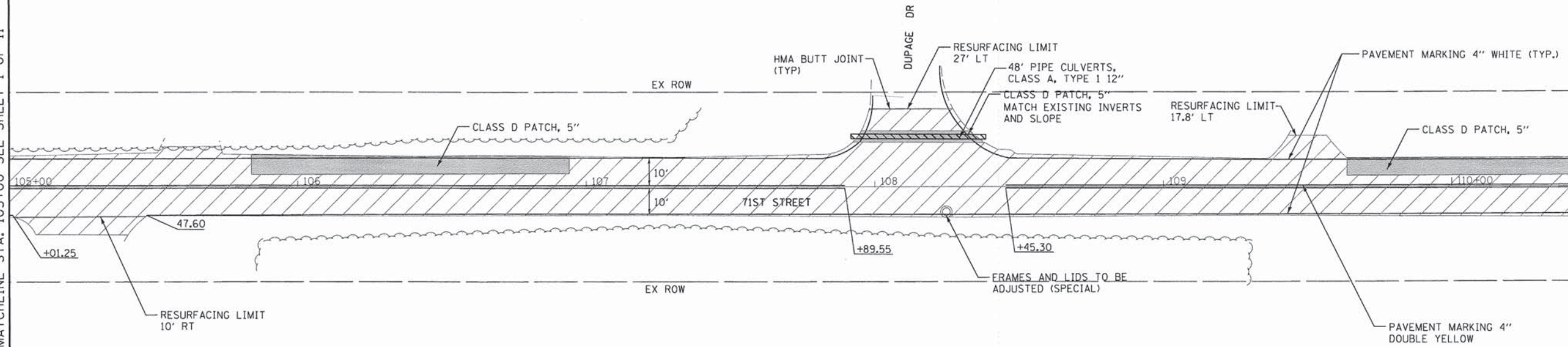
**71st STREET PROPOSED IMPROVEMENT PLAN
STATION 100+00 TO STATION 4105+00**

SCALE: 1" = 20' SHEET NO. 1 OF 11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	14-00070-00-RS	DUPAGE	30	8
*1533/ 1535/ 2588			CONTRACT NO. 61B21	
ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 105+00 SEE SHEET 1 OF 11

MATCHLINE STA. 110+50 SEE SHEET 3 OF 11



LEGEND

- HMA SURFACE REMOVAL 2 1/2"
HMA SURFACE COURSE, MIX "D", N50, 1.75"
HMA BINDER COURSE, IL-19.0, N50, 2.25"
- HMA SURFACE REMOVAL 2 1/2"
HMA SURFACE COURSE MIX "D", N50, 1.75"
POLYMERIZED LEVELING BINDER 3/4"
- CURB AND GUTTER REMOVAL AND REPLACEMENT

NOTES:
1. ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC PAVEMENT MARKING



USER NAME = #USER#	DESIGNED - JDH	REVISED -
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -
PLOT DATE = 2/13/2015	CHECKED - MJR	REVISED -
	DATE - xx/xx/xxxx	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

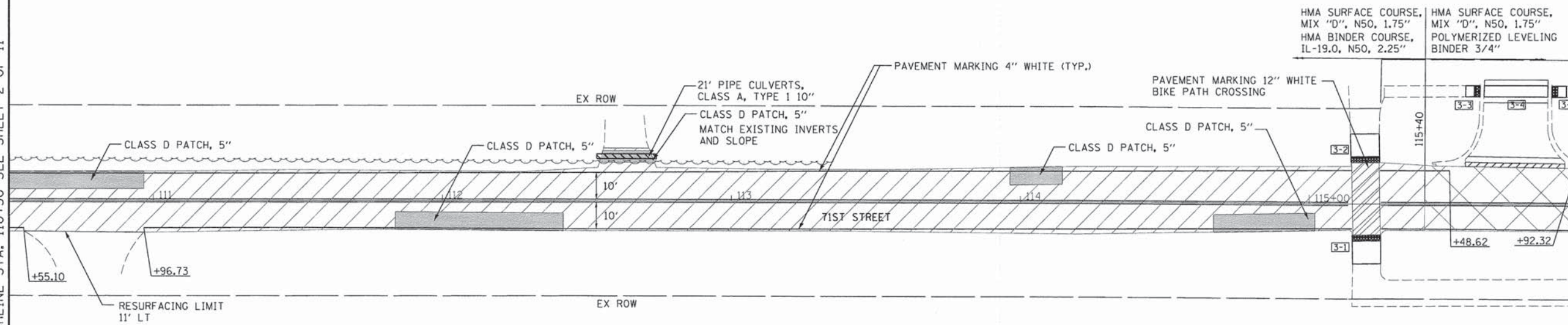
**71st STREET PROPOSED IMPROVEMENT PLAN
STATION 105+00 TO STATION 110+00**

SCALE: 1" = 20' SHEET NO. 2 OF 11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	14-00070-00-RS	DUPAGE	30	9
•1533/ 1535/ 2588		CONTRACT NO. 61B21		
ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 110+50 SEE SHEET 2 OF 11

MATCHLINE STA. 116+00 SEE SHEET 4 OF 11



LEGEND

- HMA SURFACE REMOVAL 2 1/2"
HMA SURFACE COURSE, MIX "D", N50, 1.75"
HMA BINDER COURSE, IL-19.0, N50, 2.25"
- HMA SURFACE REMOVAL 2 1/2"
HMA SURFACE COURSE MIX "D", N50, 1.75"
POLYMERIZED LEVELING BINDER 3/4"
- CURB AND GUTTER REMOVAL AND REPLACEMENT

NOTES:
1. ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC PAVEMENT MARKING

CURB AND GUTTER REMOVAL AND REPLACEMENT					
Loc #	Sta.	Side	44000500 COMBINATION CURB AND GUTTER REMOVAL (FT.)	60603800 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	60604400 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
3-1	115+54	L	35	35	
Total:			35	35	

SIDEWALK REMOVAL, AND REPLACEMENT SCHEDULE					
LOC #	STA.	SIDE	42400200 PCC SIDEWALK, 5" (SQ. FT)	42400800 DETECTABLE WARNINGS (SQ. FT)	44000600 SIDEWALK REMOVAL (SQ. FT)
3-1	115+15	R	98	20	98
3-2	115+15	L	98	20	98
3-3	115+54	L	19	8	19
3-4	115+60	L	84		84
3-5	115+84	L	20	8	20
Total:			319	56	319



USER NAME = #USER#	DESIGNED - JDH	REVISED -
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -
PLOT DATE = 2/13/2015	CHECKED - MJR	REVISED -
	DATE - xx/xx/xxxx	REVISED -

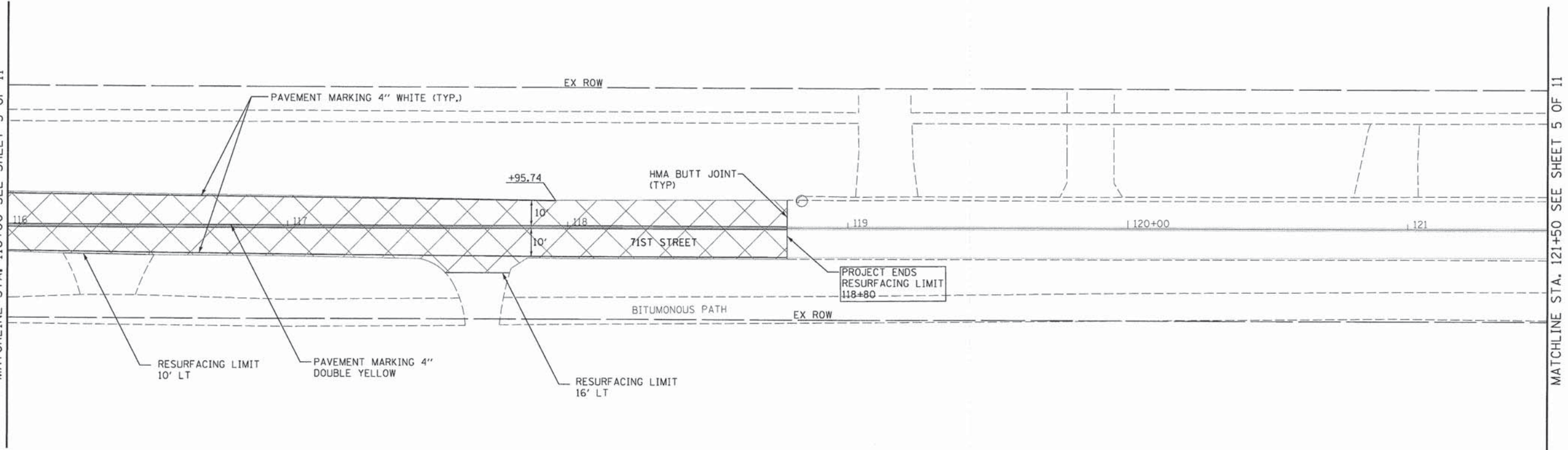
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**71st STREET PROPOSED IMPROVEMENT PLAN
STATION 110 + 50 TO STATION 115 + 50**

SCALE: 1" = 20' SHEET NO. 3 OF 11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	14-00070-00-RS	DUPAGE	30	10
*1533/ 1535/ 2588			CONTRACT NO. 61B21	
[ILLINOIS] FED. AID PROJECT				




MATCHLINE STA. 116+00 SEE SHEET 3 OF 11



MATCHLINE STA. 121+50 SEE SHEET 5 OF 11



LEGEND

-  HMA SURFACE REMOVAL 2 1/2"
HMA SURFACE COURSE, MIX "D", N50, 1.75"
HMA BINDER COURSE, IL-19.0, N50, 2.25"
-  HMA SURFACE REMOVAL 2 1/2"
HMA SURFACE COURSE MIX "D", N50, 1.75"
POLYMERIZED LEVELING BINDER 3/4"
-  CURB AND GUTTER REMOVAL AND REPLACEMENT

NOTES:
1. ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC PAVEMENT MARKING



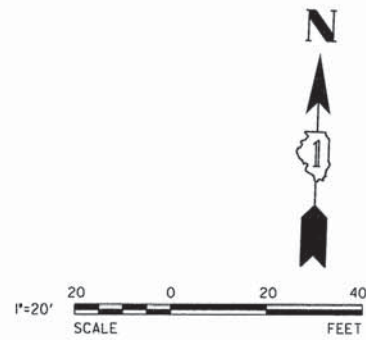
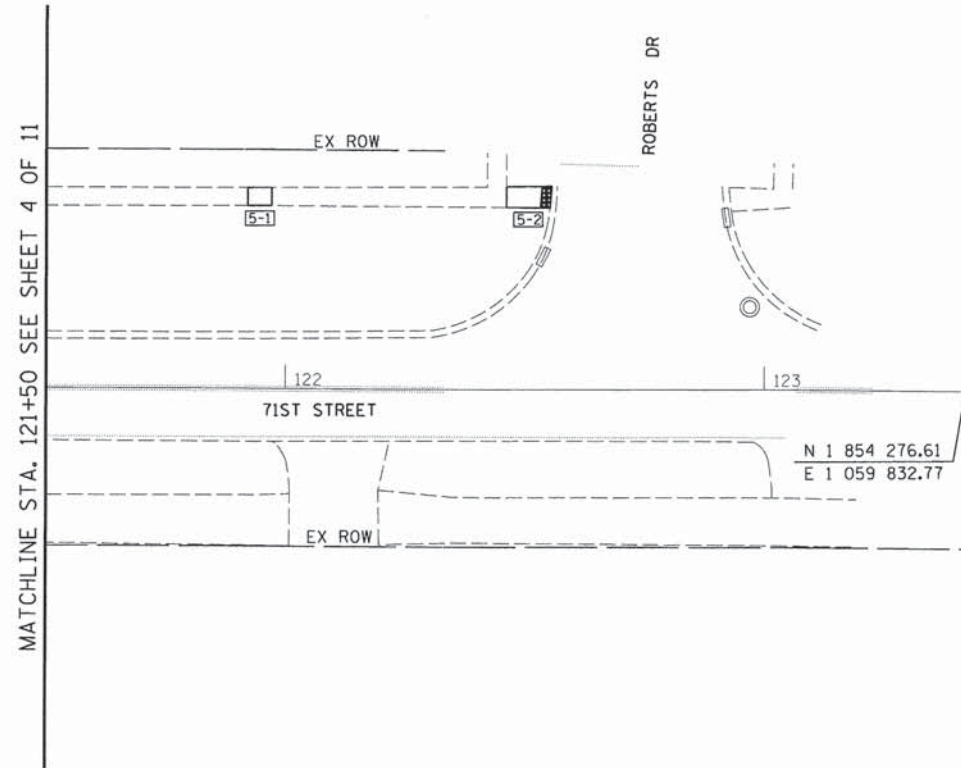
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PLOT SCALE *#SCALE#	DRAWN - DRP	REVISED -
PLOT DATE = 2/13/2015	CHECKED - MJR	REVISED -
	DATE - xx/xx/xxxx	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**71st STREET PROPOSED IMPROVEMENT PLAN
STATION 116+00 TO STATION 121+50**

SCALE: 1" = 20' SHEET NO. 4 OF 11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	14-00070-00-RS	DUPAGE	30	11
*1533/ 1535/ 2588			CONTRACT NO. 61B21	
ILLINOIS FED. AID PROJECT				



SIDEWALK REMOVAL, AND REPLACEMENT SCHEDULE					
LOC #	STA.	SIDE	42400200 PCC SIDEWALK, 5" (SQ. FT)	42400800 DETECTABLE WARNINGS (SQ. FT)	44000600 SIDEWALK REMOVAL (SQ. FT)
5-1	121+92	L	19		19
5-2	122+46	L	41	10	41
Total:			60	10	60

LEGEND

- HMA SURFACE REMOVAL 2 1/2"
HMA SURFACE COURSE, MIX "D", N50, 1.75"
HMA BINDER COURSE, IL-19.0, N50, 2.25"
- HMA SURFACE REMOVAL 2 1/2"
HMA SURFACE COURSE MIX "D", N50, 1.75"
POLYMERIZED LEVELING BINDER 3/4"
- CURB AND GUTTER REMOVAL AND REPLACEMENT

NOTES:
1. ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC PAVEMENT MARKING



V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = #USER# PLOT SCALE = #SCALE# PLOT DATE = 2/13/2015	DESIGNED - JDH DRAWN - DRP CHECKED - MJR DATE - xx/xx/xxxx	REVISED - REVISED - REVISED - REVISED -
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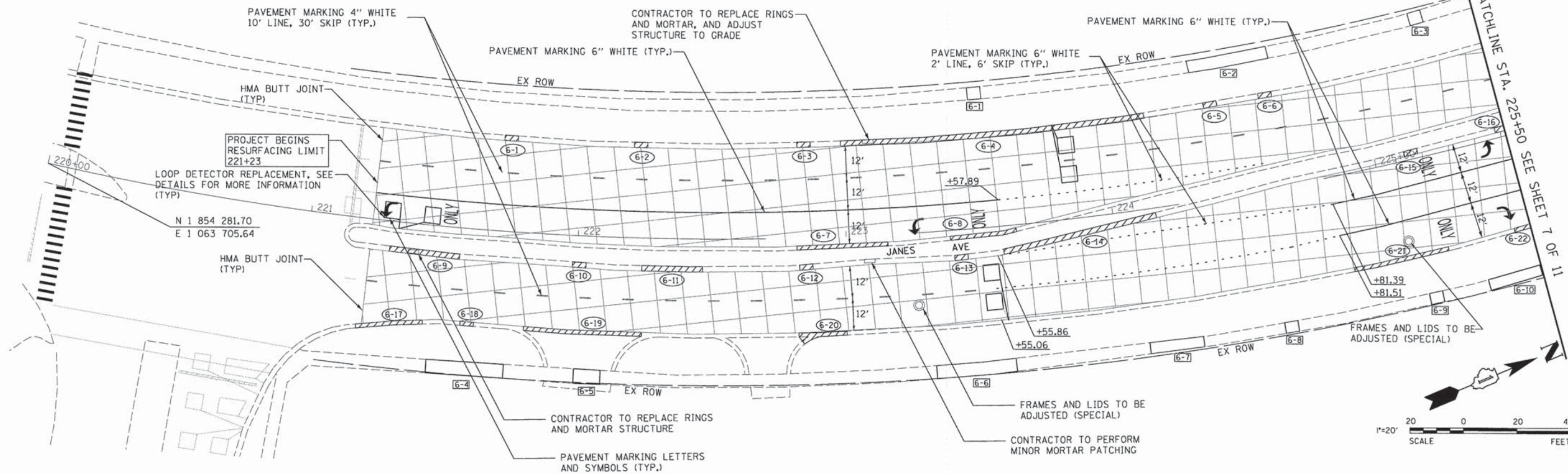
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**71st STREET PROPOSED IMPROVEMENT PLAN
STATION 121 + 50 TO STATION 423 + 50**

SCALE: 1" = 20' SHEET NO. 5 OF 11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	14-00070-00-RS	DUPAGE	30	12
*1533/ 1535/ 2588			CONTRACT NO. 61B21	

ILLINOIS FED. AID PROJECT



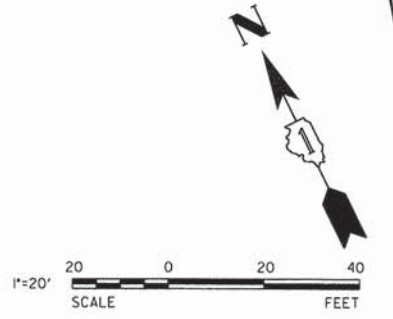
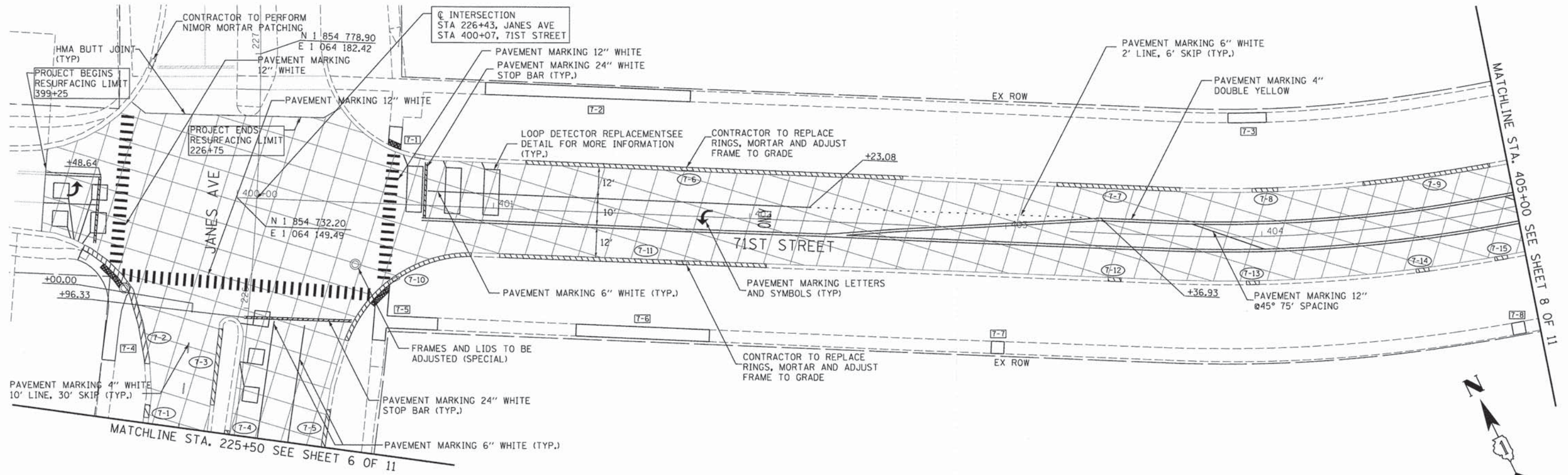
CURB AND GUTTER REMOVAL AND REPLACEMENT					
Loc #	Sta.	Side	44000500 COMBINATION CURB AND GUTTER REMOVAL (FT.)	60603800 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	60604400 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
6-1	221+70.10	L	5		5
6-2	222+20.04	L	5		5
6-3	222+82.54	L	5		5
6-4	222+99.22	L	114		114
6-5	224+40.14	L	5		5
6-6	224+61.52	L	5		5
6-7	222+81.56	ML	34	34	
6-8	223+38.79	ML	25	25	
6-9	221+30.47	MR	26		26
6-10	221+98.39	MR	5		5
6-11	222+23.97	MR	23		23
6-12	222+82.44	MR	5		5
6-13	223+39.90	MR	5		5
6-14	223+58.23	MR	58.5		58.5
6-15	225+11.28	MR	5		5
6-16	225+46.43	MR	3.5		3.5
6-17	221+21.11	R	25	25	
6-18	221+58.71	R	5	5	
6-19	221+81.75	R	44	44	
6-20	222+81.53	R	18	18	
6-21	224+84.40	R	16	16	
6-22	225+44.08	R	6	6	
Total:			443	173	270

SIDEWALK REMOVAL, AND REPLACEMENT SCHEDULE					
LOC #	STA.	SIDE	42400200 PCC SIDEWALK, 5" (SQ. FT)	42400800 DETECTABLE WARNINGS (SQ. FT)	44000600 SIDEWALK REMOVAL (SQ. FT)
6-1	223+49.57	L	23		23
6-2	224+36.67	L	136.4		136.4
6-3	225+25.10	L	25		25
6-4	221+47.81	R	147.6		147.6
6-5	222+00.50	R	53.8		53.8
6-6	223+30.49	R	147.6		147.6
6-7	224+07.14	R	81.4		81.4
6-8	224+55.94	R	25		25
6-9	225+08.77	R	25		25
6-10	225+30.55	R	81		81
Total:			745.8	0	745.8

LEGEND

- HMA SURFACE REMOVAL 2 1/2"
HMA SURFACE COURSE, MIX "D", N50, 1.75"
HMA BINDER COURSE, IL-19.0, N50, 2.25"
- HMA SURFACE REMOVAL 2 1/2"
HMA SURFACE COURSE MIX "D", N50, 1.75"
POLYMERIZED LEVELING BINDER 3/4"
- CURB AND GUTTER REMOVAL AND REPLACEMENT

NOTES:
1. ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC PAVEMENT MARKING



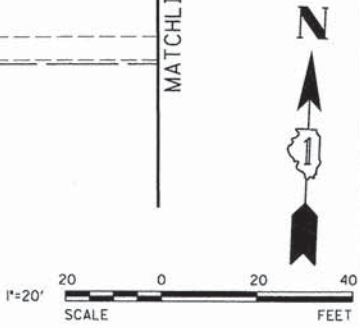
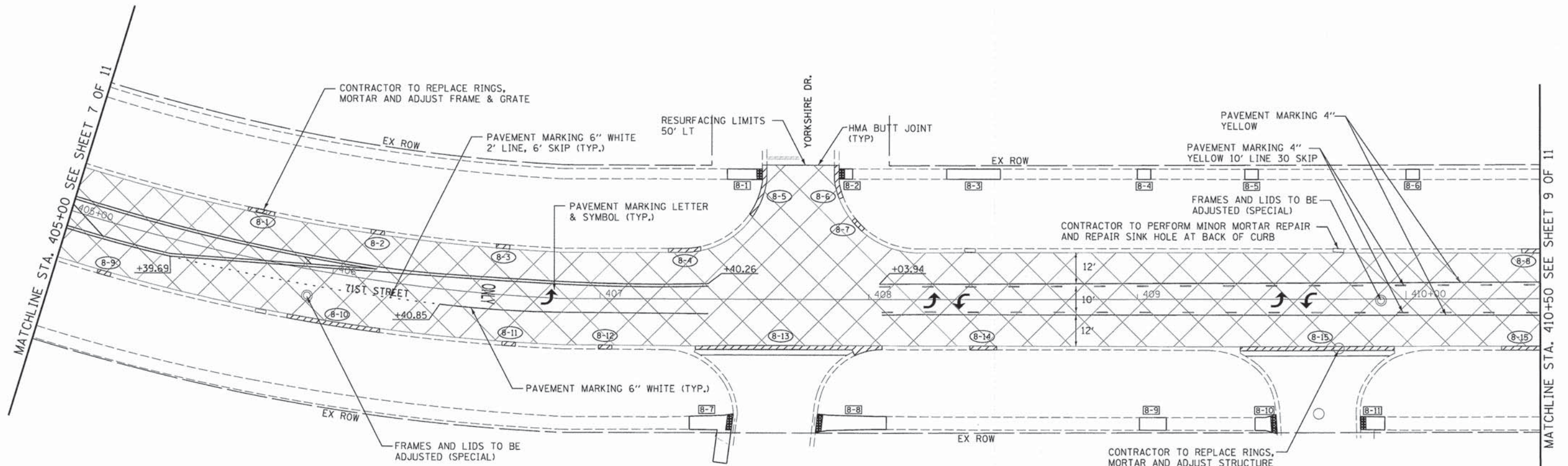
CURB AND GUTTER REMOVAL AND REPLACEMENT					
Loc #	Sta.	Side	44000500 COMBINATION CURB AND GUTTER REMOVAL (FT.)	60603800 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	60604400 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
7-1	225+52	L	5		5
7-2	225+73	L	56		56
7-3	225+60	ML	30	30	
7-4	225+50	MR	1.4		1.4
7-5	225+50	R	15	15	
7-6	401+12	L	147	147	
7-7	403+19	L	72	72	
7-8	403+97	L	15	15	
7-9	404+42	L	75	75	
7-10	400+44	R	64	64	
7-11	401+03	R	104	104	
7-12	403+41	R	8	8	
7-13	403+94	R	8	8	
7-14	404+58	R	8	8	
7-15	404+88	R	8	8	
Total:			616.4	554	62.4

SIDEWALK REMOVAL, AND REPLACEMENT SCHEDULE					
LOC #	STA.	SIDE	42400200 PCC SIDEWALK, 5" (SQ. FT)	42400800 DETECTABLE WARNINGS (SQ. FT)	44000600 SIDEWALK REMOVAL (SQ. FT)
7-1	400+58	L	40	10	40
7-2	400+95	L	364		364
7-3	403+87	L	57		57
7-4	309+35	R	245	28	245
7-5	400+56	R	192	14	192
7-6	401+34	R	242		242
7-7	402+96	R	24		24
7-8	404+90	R	23		23
Total:			1187	52	1187

LEGEND

- HMA SURFACE REMOVAL 2 1/2"
HMA SURFACE COURSE, MIX "D", N50, 1.75"
HMA BINDER COURSE, IL-19.0, N50, 2.25"
- HMA SURFACE REMOVAL 2 1/2"
HMA SURFACE COURSE MIX "D", N50, 1.75"
POLYMERIZED LEVELING BINDER 3/4"
- CURB AND GUTTER REMOVAL AND REPLACEMENT

NOTES:
1. ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC PAVEMENT MARKING



CURB AND GUTTER REMOVAL AND REPLACEMENT				
Loc #	Sta.	Side	44000500 COMBINATION CURB AND GUTTER REMOVAL (FT.)	60603800 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
8-1	405+64	L	10	10
8-2	406+12	L	5	5
8-3	406+60	L	5	5
8-4	407+25	L	12	12
8-5	407+57	L	20	20
8-6	407+87	L	13	13
8-7	407+94	L	8	8
8-8	410+43	L	7	7
8-9	405+15	R	5	5
8-10	405+86	R	35	35
8-11	406+65	R	5	5
8-12	406+99	R	5	5
8-13	407+36	R	69	69
8-14	408+38	R	10	10
8-15	409+38	R	57	57
8-16	410+36	R	14	14
Total:			280	280

SIDEWALK REMOVAL, AND REPLACEMENT SCHEDULE					
LOC #	STA.	SIDE	42400200 PCC SIDEWALK, 5" (SQ. FT)	42400800 DETECTABLE WARNINGS (SQ. FT)	44000600 SIDEWALK REMOVAL (SQ. FT)
8-1	407+47	L	51	8	51
8-2	407+89	L	19	8	19
8-3	408+29	L	77		77
8-4	409+00	L	19		19
8-5	409+40	L	19		19
8-6	410+00	L	19		19
8-7	407+33	R	149	10	149
8-8	407+80	R	141	14	141
8-9	409+00	R	48		48
8-10	409+44	R	44	14	44
8-11	409+82	R	44	10	44
Total:			630	64	630

LEGEND

- HMA SURFACE REMOVAL 2 1/2"
HMA SURFACE COURSE, MIX "D", N50, 1.75"
HMA BINDER COURSE, 1L-19.0, N50, 2.25"
- HMA SURFACE REMOVAL 2 1/2"
HMA SURFACE COURSE MIX "D", N50, 1.75"
POLYMERIZED LEVELING BINDER 3/4"
- CURB AND GUTTER REMOVAL AND REPLACEMENT

NOTES:
1. ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC PAVEMENT MARKING



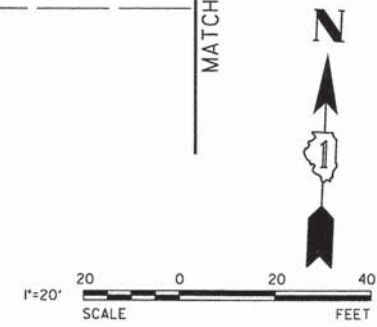
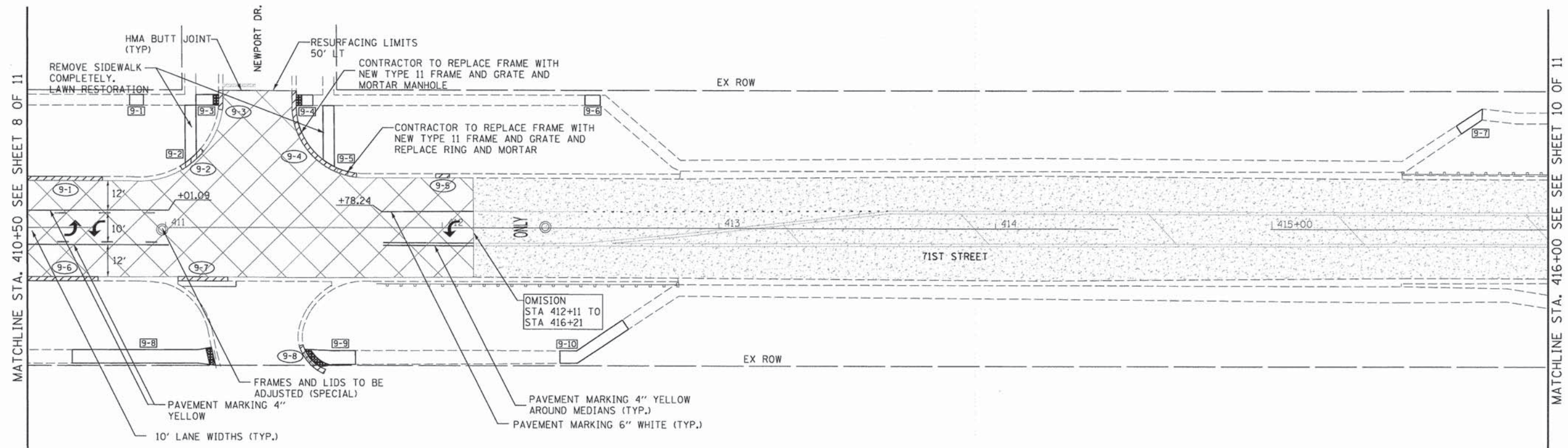
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PLOT DATE = 2/13/2015	CHECKED - MJR	REVISED -
	DATE - xx/xx/xxxx	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**71st STREET PROPOSED IMPROVEMENT PLAN
STATION 405+00 TO STATION 410+50**

SCALE: 1" = 20' SHEET NO. 8 OF 11 SHEETS


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	14-00070-00-RS	DUPAGE	30	15
•1533/ 1535/ 2588			CONTRACT NO. 61B21	
ILLINOIS FED. AID PROJECT				





CURB AND GUTTER REMOVAL AND REPLACEMENT				
Loc #	Sta.	Side	44000500 COMBINATION CURB AND GUTTER REMOVAL (FT.)	60603800 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 REMOVAL (FT.)
9-1	410+50	L	27	27
9-2	411+06	L	10	10
9-3	411+19	L	7	7
9-4	411+46	L	41	41
9-5	411+98	L	5	5
9-6	410+50	R	26	26
9-7	411+05	R	18	18
9-8	411+48	R	14	14
Total:			148	148

SIDEWALK REMOVAL, AND REPLACEMENT SCHEDULE					
LOC #	STA.	SIDE	42400200 PCC SIDEWALK, 5" (SQ. FT)	42400800 DETECTABLE WARNINGS (SQ. FT)	44000600 SIDEWALK REMOVAL (SQ. FT)
9-1	410+87	L	19		19
9-2	411+07	L			77
9-3	411+11	L	32	8	32
9-4	411+47	L	23	6	23
9-5	411+57	L			84
9-6	412+52	L	20		20
9-7	415+67	L	34		34
9-8	410+66	R	255	14	255
9-9	411+50	R	88	18	88
9-10	412+43	R	111		111
Total:			582	46	743

LEGEND

 HMA SURFACE REMOVAL 2 1/2"
HMA SURFACE COURSE, MIX "D", N50, 1.75"
HMA BINDER COURSE, IL-19.0, N50, 2.25"

 HMA SURFACE REMOVAL 2 1/2"
HMA SURFACE COURSE MIX "D", N50, 1.75"
POLYMERIZED LEVELING BINDER 3/4"

 CURB AND GUTTER REMOVAL AND REPLACEMENT

NOTES:
1. ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC PAVEMENT MARKING



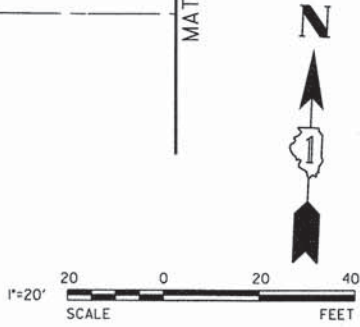
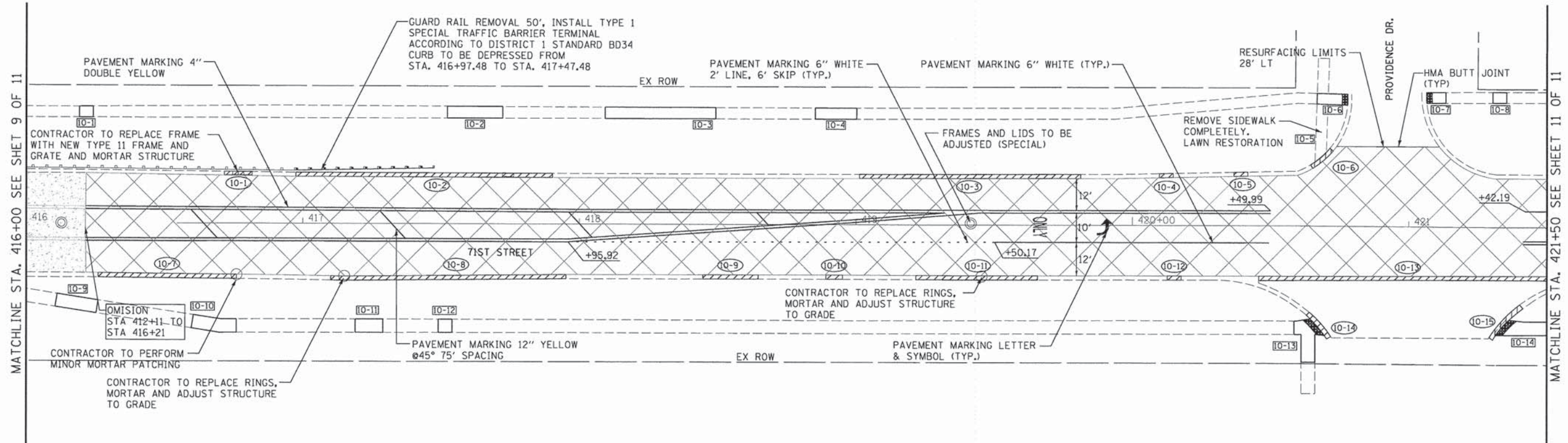
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PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -
PLOT DATE = 2/13/2015	CHECKED - MJR	REVISED -
	DATE - xx/xx/xxxx	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

71st STREET PROPOSED IMPROVEMENT PLAN
STATION 410 + 50 TO STATION 416 + 00

SCALE: 1" = 20' SHEET NO. 9 OF 11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	14-00070-00-RS	DUPAGE	30	16
•1533/ 1535/ 2588			CONTRACT NO. 61B21	
[ILLINOIS] FED. AID PROJECT				



CURB AND GUTTER REMOVAL AND REPLACEMENT				
Loc #	Sta.	Side	44000500 COMBINATION CURB AND GUTTER REMOVAL (FT.)	60603800 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
10-1	416+72	L	10	10
10-2	416+97	L	93	93
10-3	419+01	L	80	80
10-4	420+10	L	5	5
10-5	420+37	L	5	5
10-6	420+65	L	10	10
10-7	416+26	R	50	50
10-8	417+10	R	85	85
10-9	418+45	R	20	20
10-10	418+89	R	6	6
10-11	419+22	R	44	44
10-12	420+13	R	5	5
10-13	420+46	R	104	104
10-14	420+63	R	12	12
10-15	421+29	R	16	16
Total:			545	545

SIDEWALK REMOVAL, AND REPLACEMENT SCHEDULE					
LOC #	STA.	SIDE	42400200 PCC SIDEWALK, 5" (SQ. FT)	42400800 DETECTABLE WARNINGS (SQ. FT)	44000600 SIDEWALK REMOVAL (SQ. FT)
10-1	416+19	L	20		20
10-2	417+52	L	86		86
10-3	418+09	L	165		165
10-4	418+85	L	61		61
10-5	420+66	L			41
10-6	420+66	L	43	11	43
10-7	421+06	L	28	8	28
10-8	421+30	L	20		20
10-9	416+10	R	71		71
10-10	416+60	R	79		79
10-11	417+19	R	49		49
10-12	417+49	R	24		24
10-13	420+59	R	95	16	95
10-14	421+32	R	84	15	84
Total:			825	50	866

LEGEND

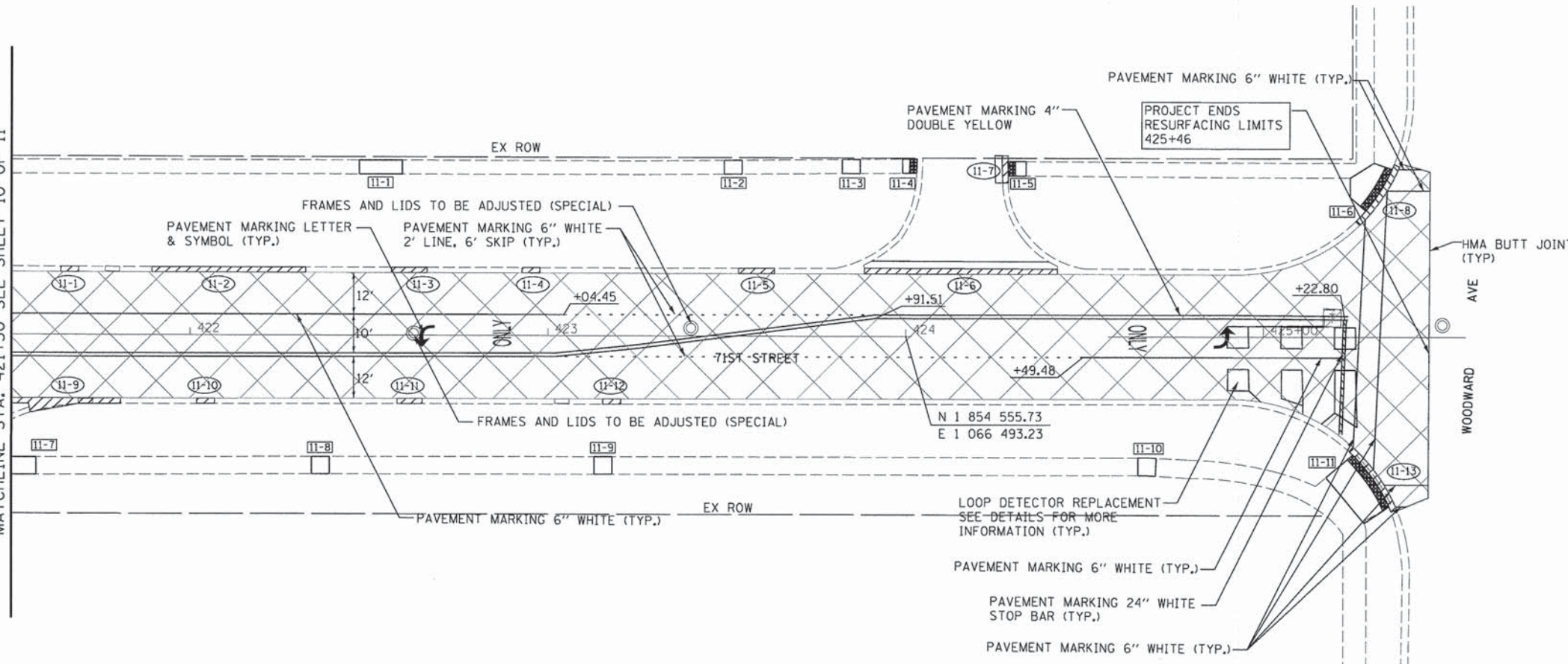
HMA SURFACE REMOVAL 2 1/2"
HMA SURFACE COURSE, MIX "D", N50, 1.75"
HMA BINDER COURSE, IL-19.0, N50, 2.25"

HMA SURFACE REMOVAL 2 1/2"
HMA SURFACE COURSE MIX "D", N50, 1.75"
POLYMERIZED LEVELING BINDER 3/4"

CURB AND GUTTER REMOVAL AND REPLACEMENT

NOTES:
1. ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC PAVEMENT MARKING

MATCHLINE STA. 421+50 SEE SHEET 10 OF 11



LEGEND

- HMA SURFACE REMOVAL 2 1/2"
HMA SURFACE COURSE, MIX "D", N50, 1.75"
HMA BINDER COURSE, IL-19.0, N50, 2.25"
- HMA SURFACE REMOVAL 2 1/2"
HMA SURFACE COURSE MIX "D", N50, 1.75"
POLYMERIZED LEVELING BINDER 3/4"
- CURB AND GUTTER REMOVAL AND REPLACEMENT

NOTES:
1. ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC PAVEMENT MARKING

CURB AND GUTTER REMOVAL AND REPLACEMENT				
Loc #	Sta.	Side	44000500 COMBINATION CURB AND GUTTER REMOVAL (FT.)	60603800 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
11-1	421+64	L	5	5
11-2	421+89	L	43	43
11-3	422+56	L	10	10
11-4	422+93	L	5	5
11-5	423+53	L	10	10
11-6	423+88	L	54	54
11-7	424+27	L	8	8
11-8	425+26	L	19	19
11-9	421+50	R	31	31
11-10	422+02	R	5	5
11-11	422+58	R	7	7
Total:			197	197

SIDEWALK REMOVAL, AND REPLACEMENT SCHEDULE					
LOC #	STA.	SIDE	42400200 PCC SIDEWALK. 5" (SQ. FT)	42400800 DETECTABLE WARNINGS (SQ. FT)	44000600 SIDEWALK REMOVAL (SQ. FT)
11-1	422+47	L	47		47
11-2	423+50	L	19		19
11-3	423+82	L	20		20
11-4	423+99	L	16	8	16
11-5	424+29	L	20	8	20
11-6	425+24	L	92	24	92
11-7	421+50	R	34		34
11-8	422+34	R	25		25
11-9	423+13	R	25		25
11-10	424+65	R	25		25
11-11	425+18	R	163	36	163
11-12	426+08	N	30	10	30
11-13	426+08	S	30	10	30
Total:			546	96	546



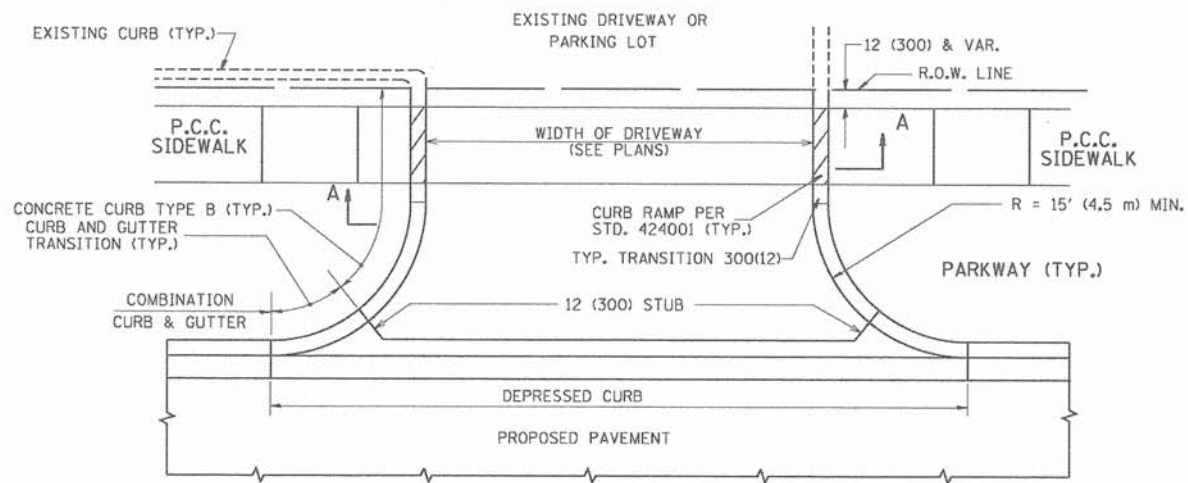
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	DATE - xx/xx/xxxx	REVISED -

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DEPARTMENT OF TRANSPORTATION**

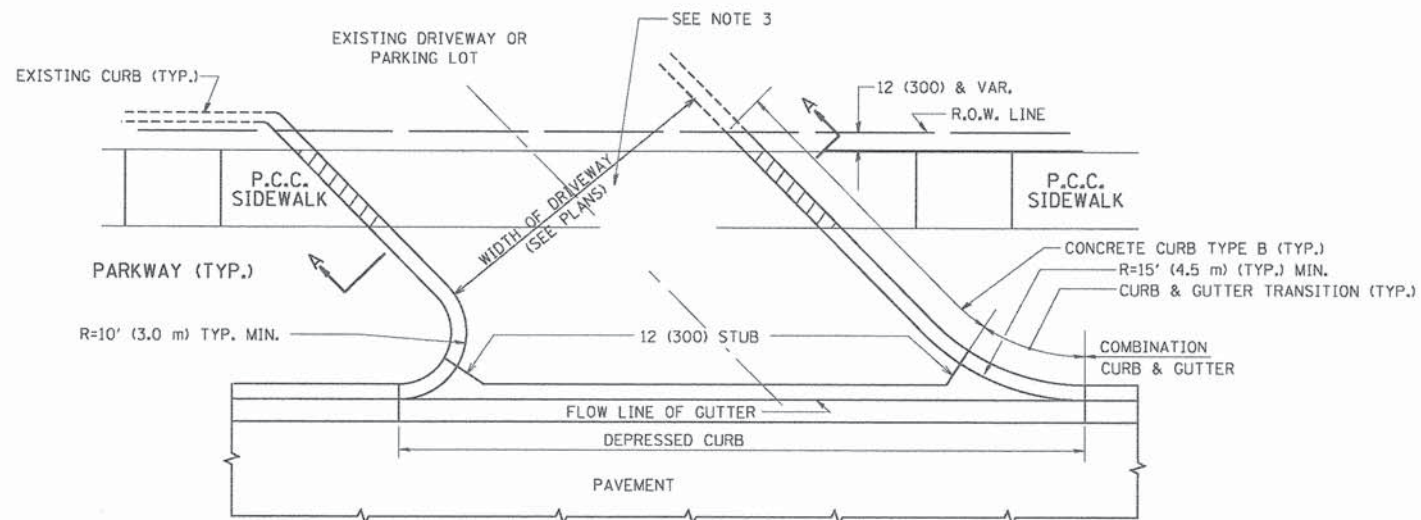
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STATION 421 + 50 TO STATION 426 + 00**

SCALE: 1" = 20' SHEET NO. 11 OF 11 SHEETS

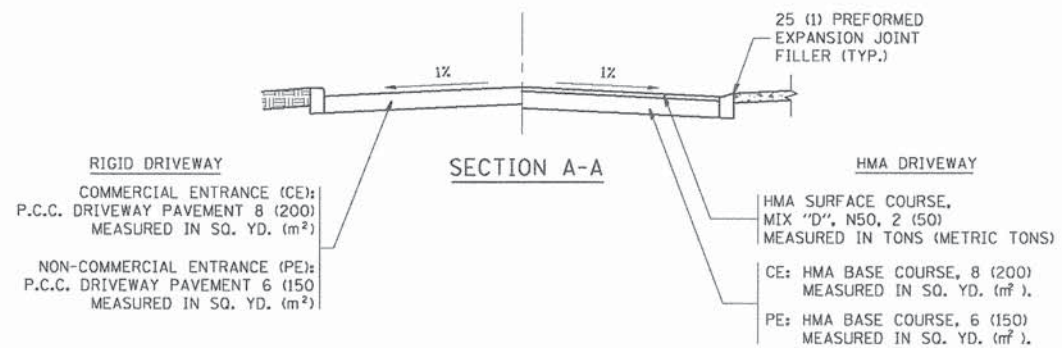
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*1533/ 1535/ 2588			CONTRACT NO. 61B21	
ILLINOIS FED. AID PROJECT				



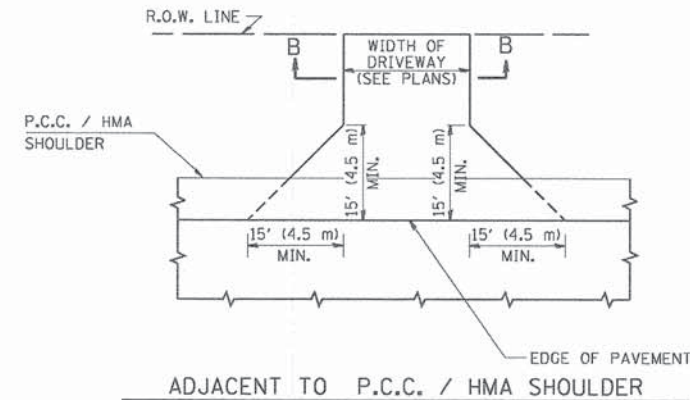
WITH CONCRETE CURB, TYPE B



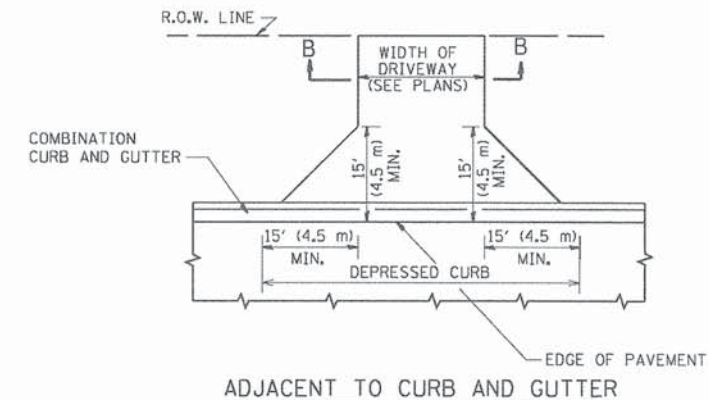
WITH CONCRETE CURB, TYPE B



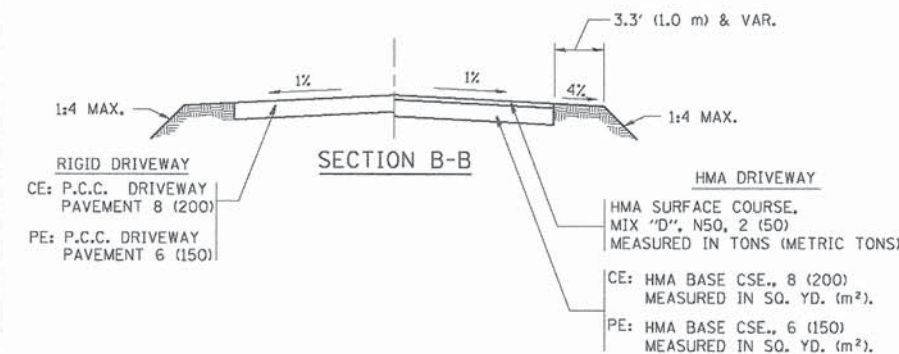
SECTION A-A



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



SECTION B-B

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

GENERAL NOTES:

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

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

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

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

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

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



V3 Companies
7325 James Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

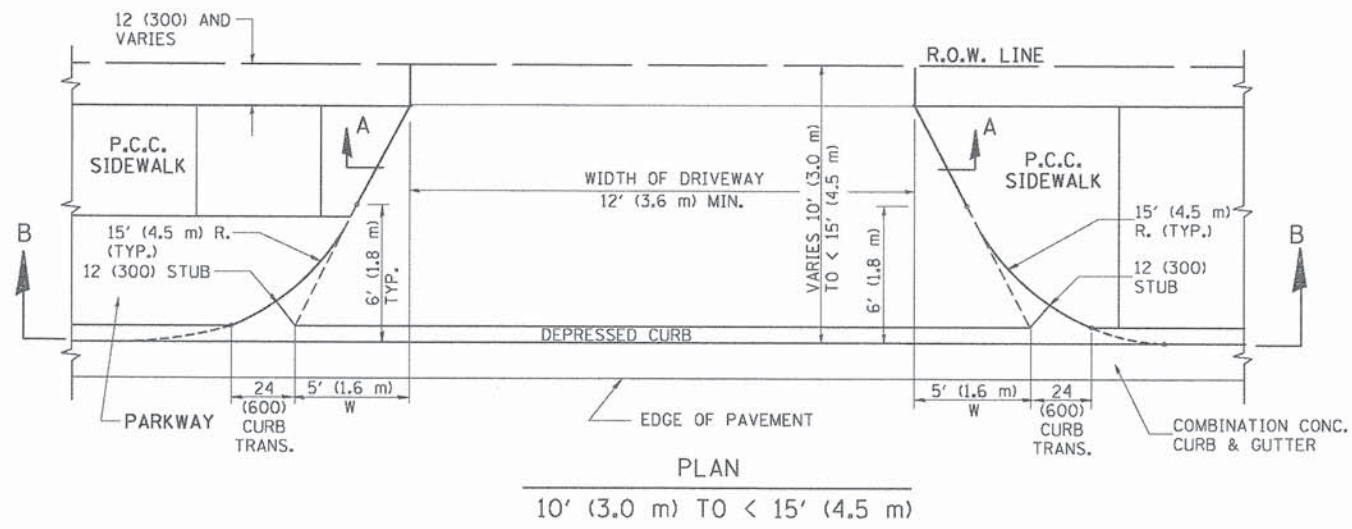
DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W.
AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)

SCALE: N.T.S. SHEET NO. 1 OF 11 SHEETS

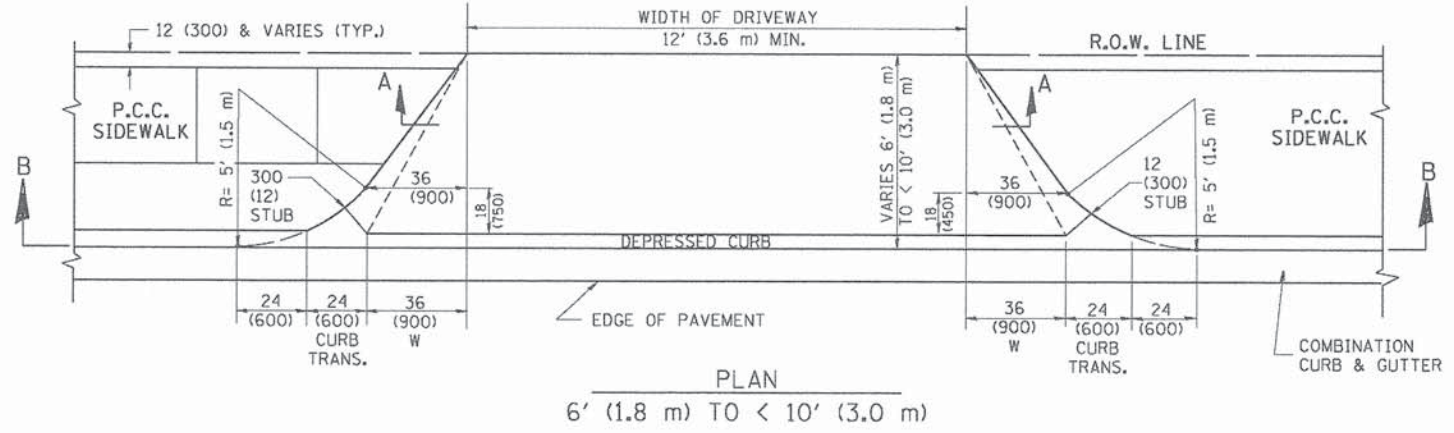
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14-00070-00-RS		DUPAGE	30	19
1535/ 1533/ 2588				CONTRACT NO. 61B21

(ILLINOIS) FED. AID PROJECT

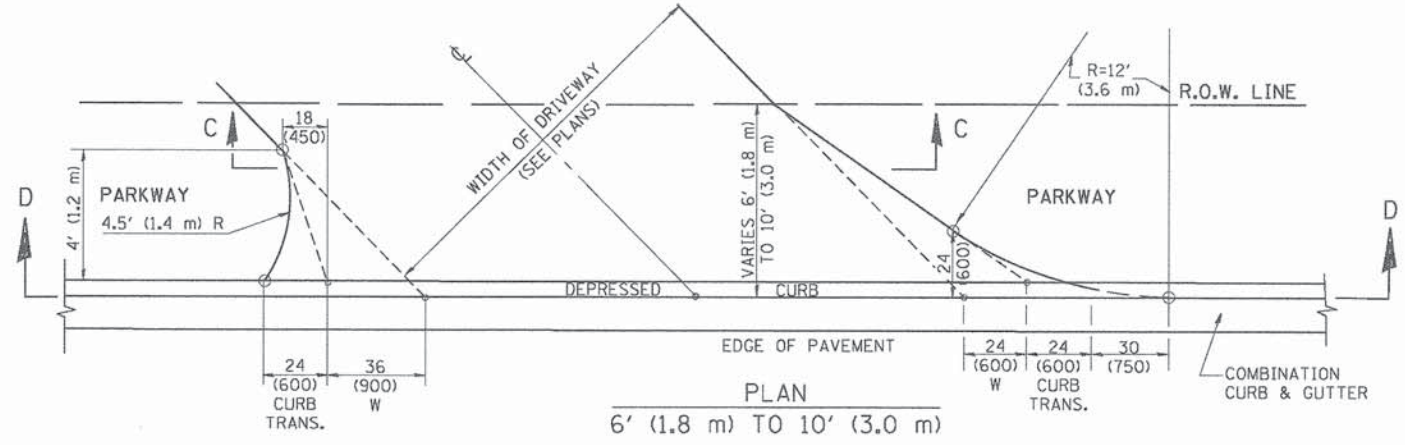
BD0156-07 (BD-01)



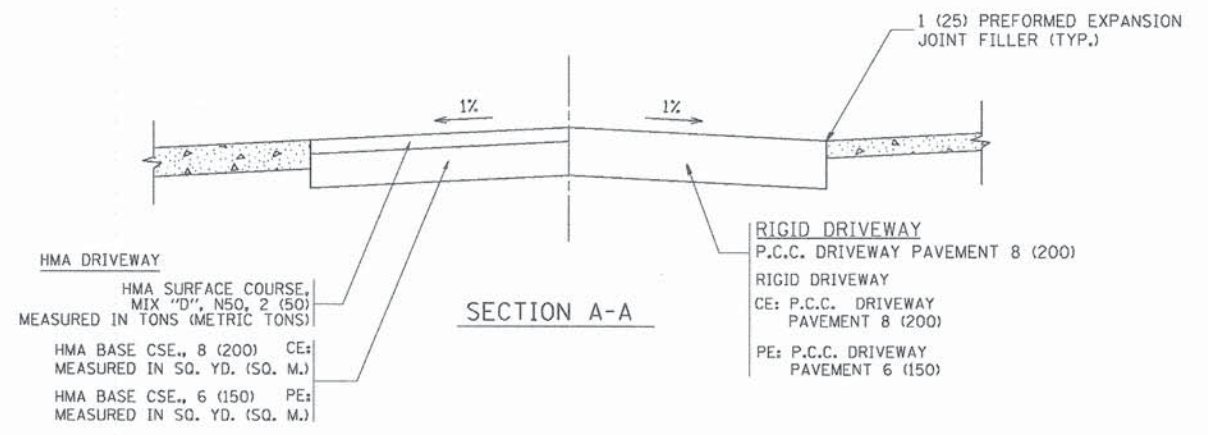
PLAN
10' (3.0 m) TO < 15' (4.5 m)



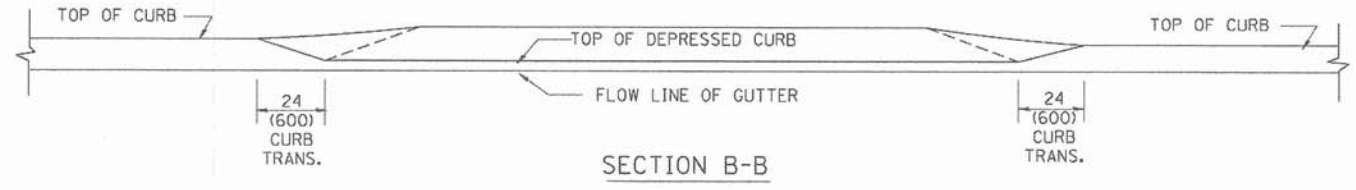
PLAN
6' (1.8 m) TO < 10' (3.0 m)



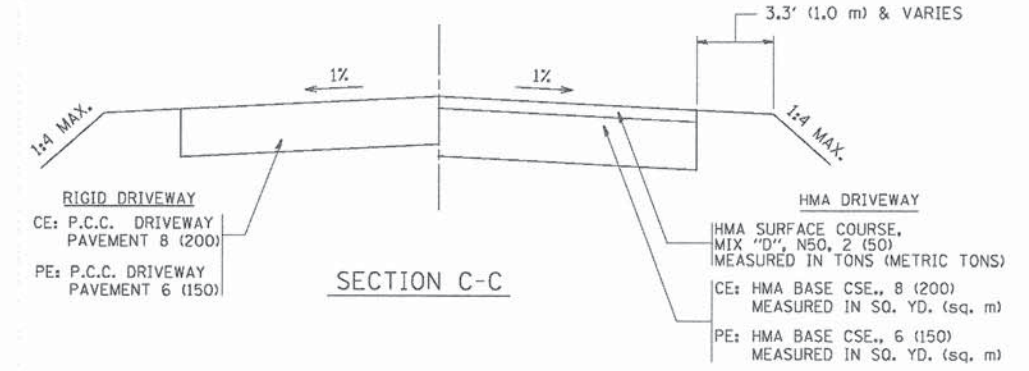
PLAN
6' (1.8 m) TO 10' (3.0 m)



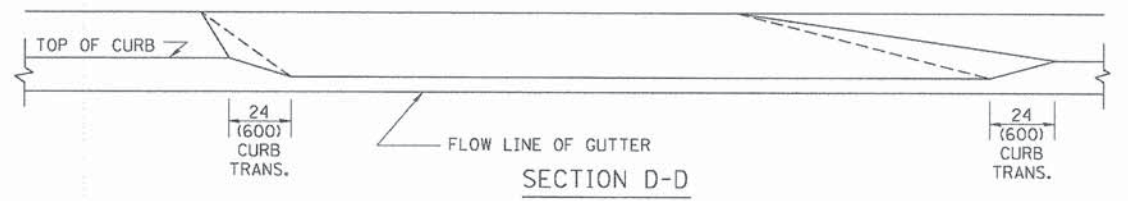
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE 'HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS'. FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

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

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

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

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

BD400-02 (BD-02)



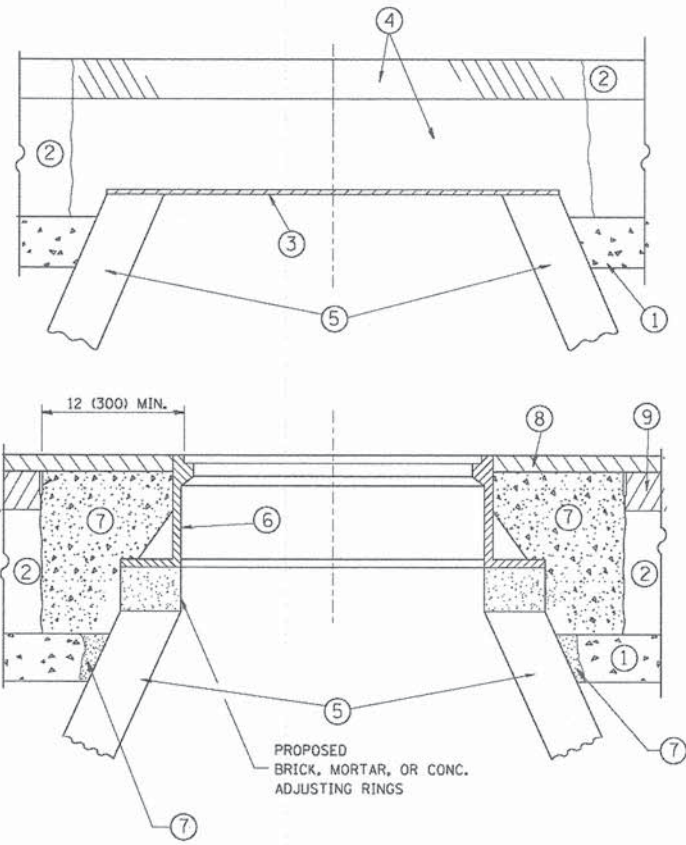
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PLOT DATE = #DATE#	CHECKED - DSS	REVISED -
	DATE - 08/29/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS
DISTANCE BETWEEN R.O.W. AND FACE OF CURB < 15' (4.5 m)

SCALE: N.T.S. SHEET NO. 2 OF 11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-00070-00-RS	DUPAGE		30	20
1535/ 1533/ 2588			CONTRACT NO. 61B21	
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 1½ (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.

VILLAGE OF WOODRIDGE 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

BD600-03 (BD-08)

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR
FRAME AND LIDS ADJUSTMENT WITH MILLING

SCALE: N.T.S. SHEET NO. 3 OF 11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 14-00070-00-RS		DUPAGE	30	21
• 1535/ 1533/ 2588		CONTRACT NO. 61B21		
ILLINOIS FED. AID PROJECT				

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

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

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

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

18" (450) MAX.

1/4" (5) **

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

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

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

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

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

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

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

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

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE 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".

* 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.

BD600-06 (BD-24)

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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



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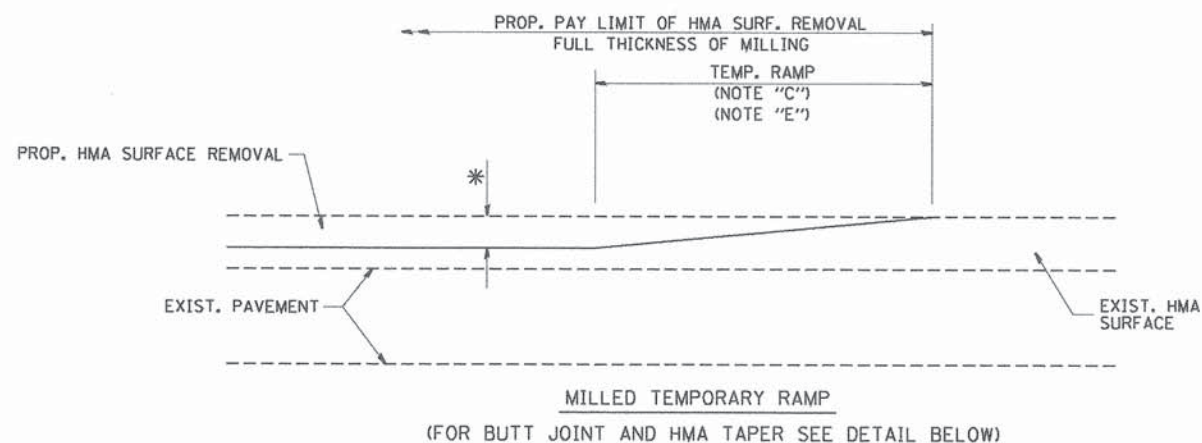
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER
REMOVAL AND REPLACEMENT

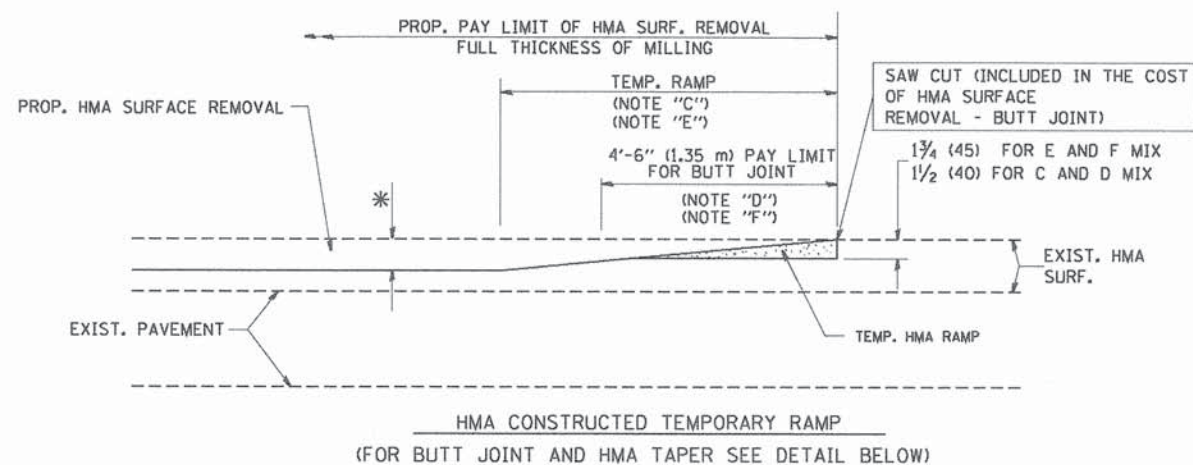
SCALE: N.T.S. SHEET NO. 4 OF 11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 14-00070-00-RS		DUPAGE	30	22
• 1535/ 1533/ 2588				CONTRACT NO. 61B21

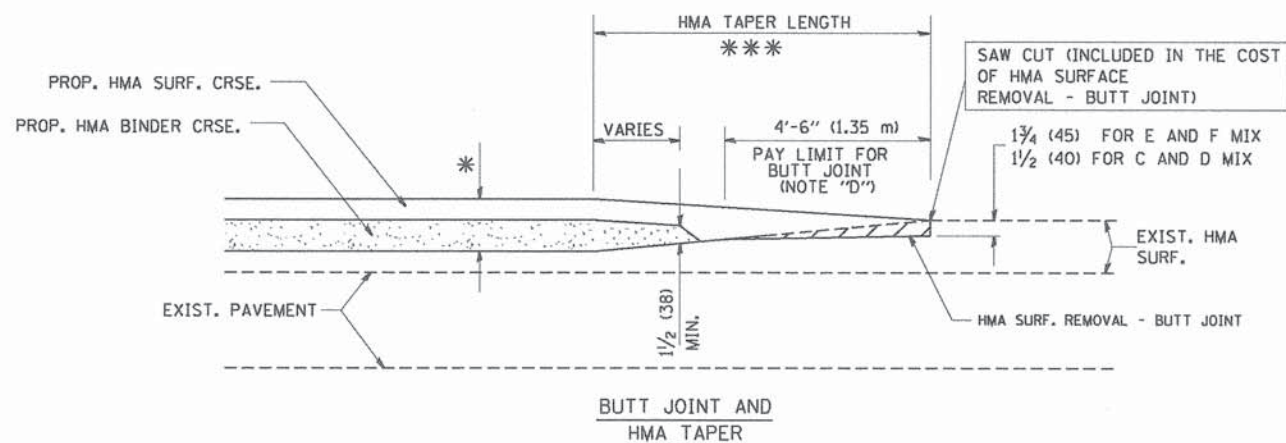
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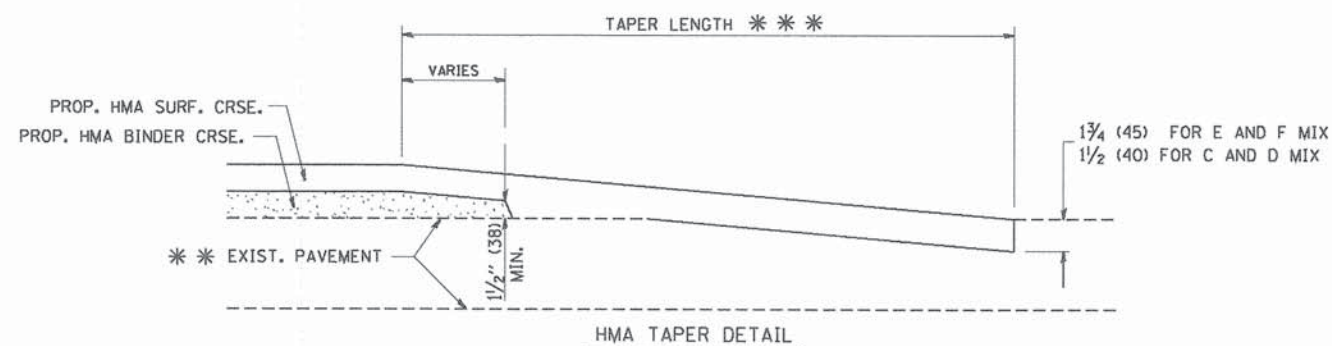
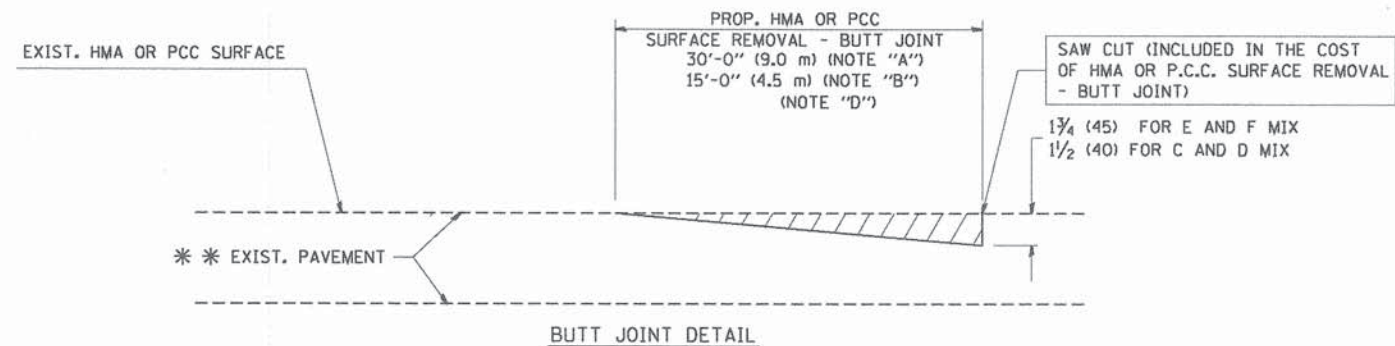
OPTION 1



**OPTION 2
TYPICAL TEMPORARY RAMP**



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



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".

BD400-05 (BD-32)

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



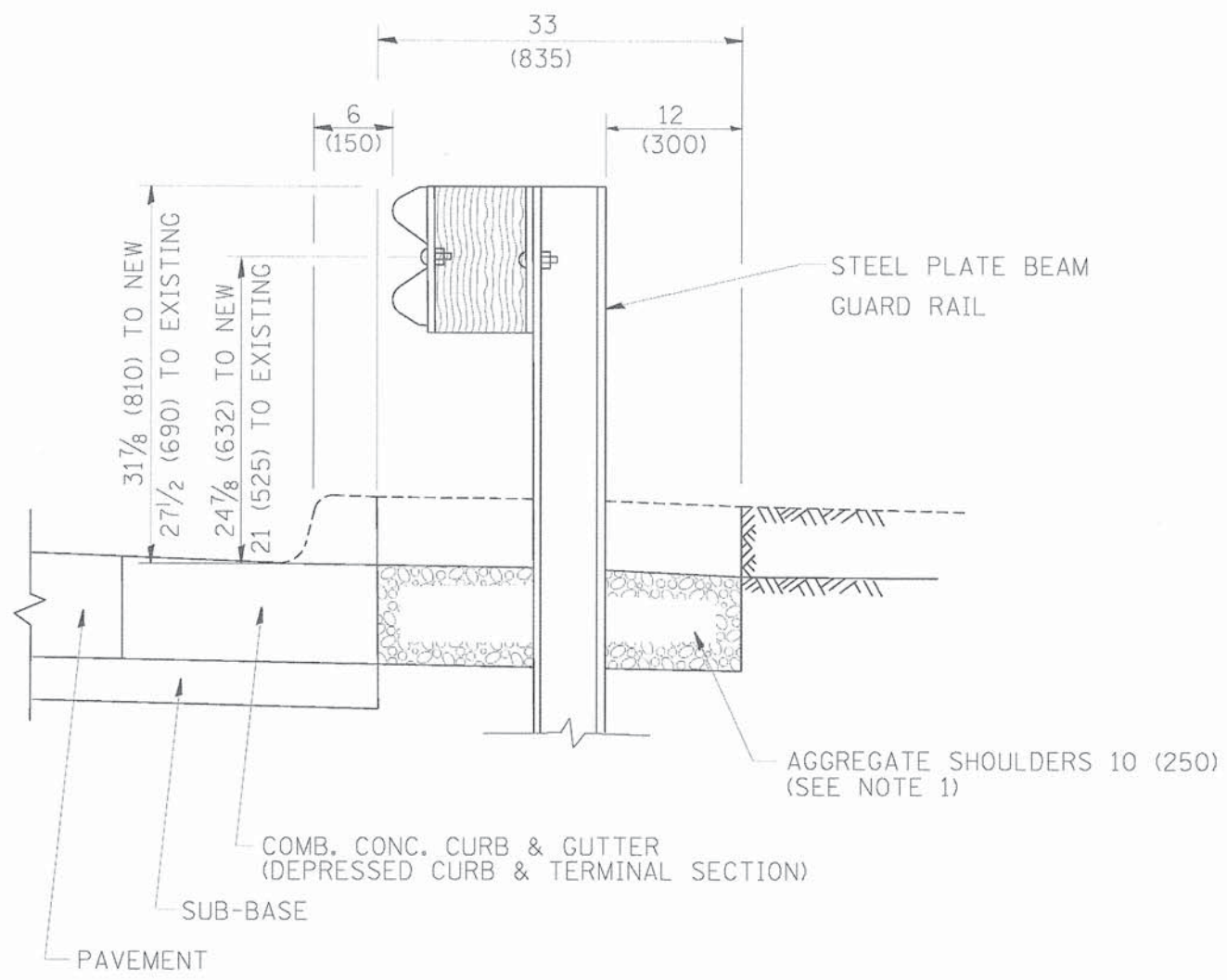
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

SCALE: N.T.S. SHEET NO. 5 OF 11 SHEETS

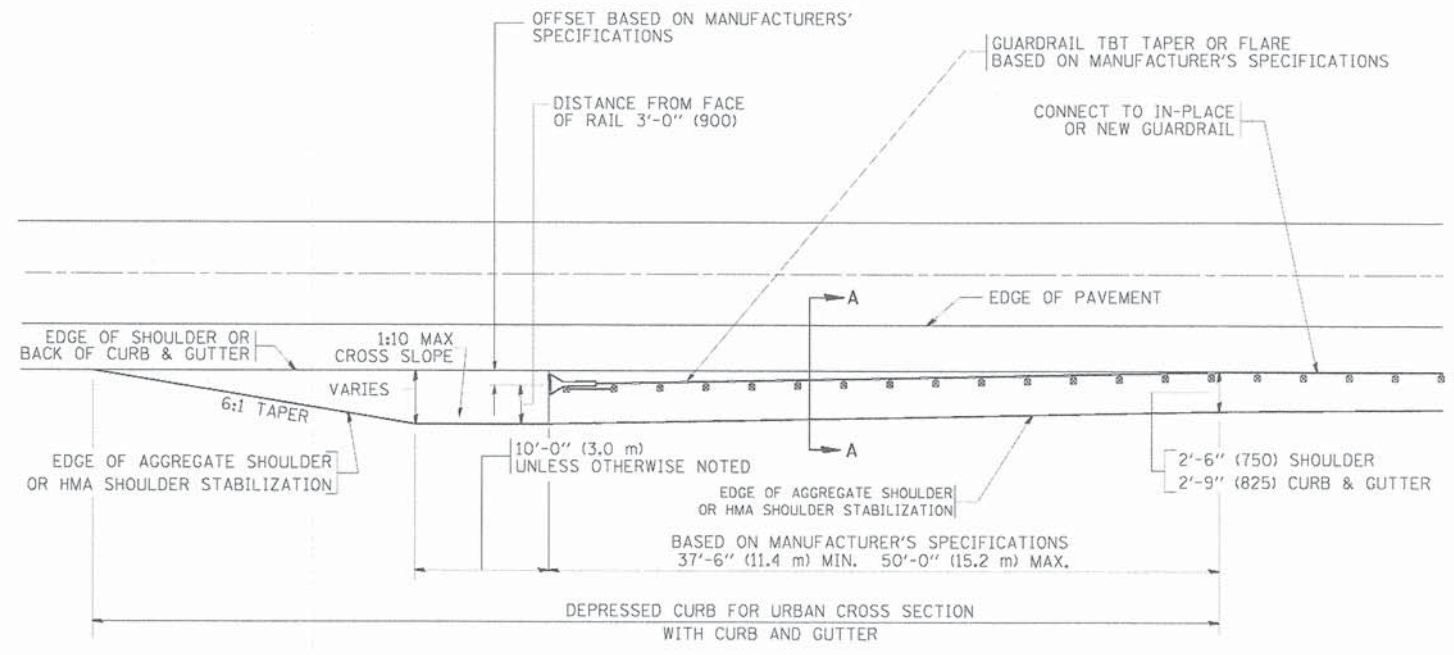
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• 14-00070-00-RS		DUPAGE	30	23
• 1535/ 1533/ 2588			CONTRACT NO. 61B21	
[ILLINOIS] FED. AID PROJECT				



SECTION A-A

- NOTES:
1. THE AGGREGATE SHOULDER, 10" OR HMA SHOULDER, 6" (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
 2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
 3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION HEIGHT TO BE PLACED MUST MATCH THE HEIGHT OF THE IN-PLACE GUARDRAIL.

**DETAILS FOR STEEL PLATE BEAM
GUARD RAIL ADJACENT TO CURB AND GUTTER**
[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]



**DEPRESSED CURB AND GUTTER AND
SHOULDER TREATMENT AT TBT TY. 1 SPL.**

BASIS OF PAYMENT: HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SHOULDERS 6" (150 mm)".

STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

BD600-10 (BD-34)

TBT = TRAFFIC BARRIER TERMINAL
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



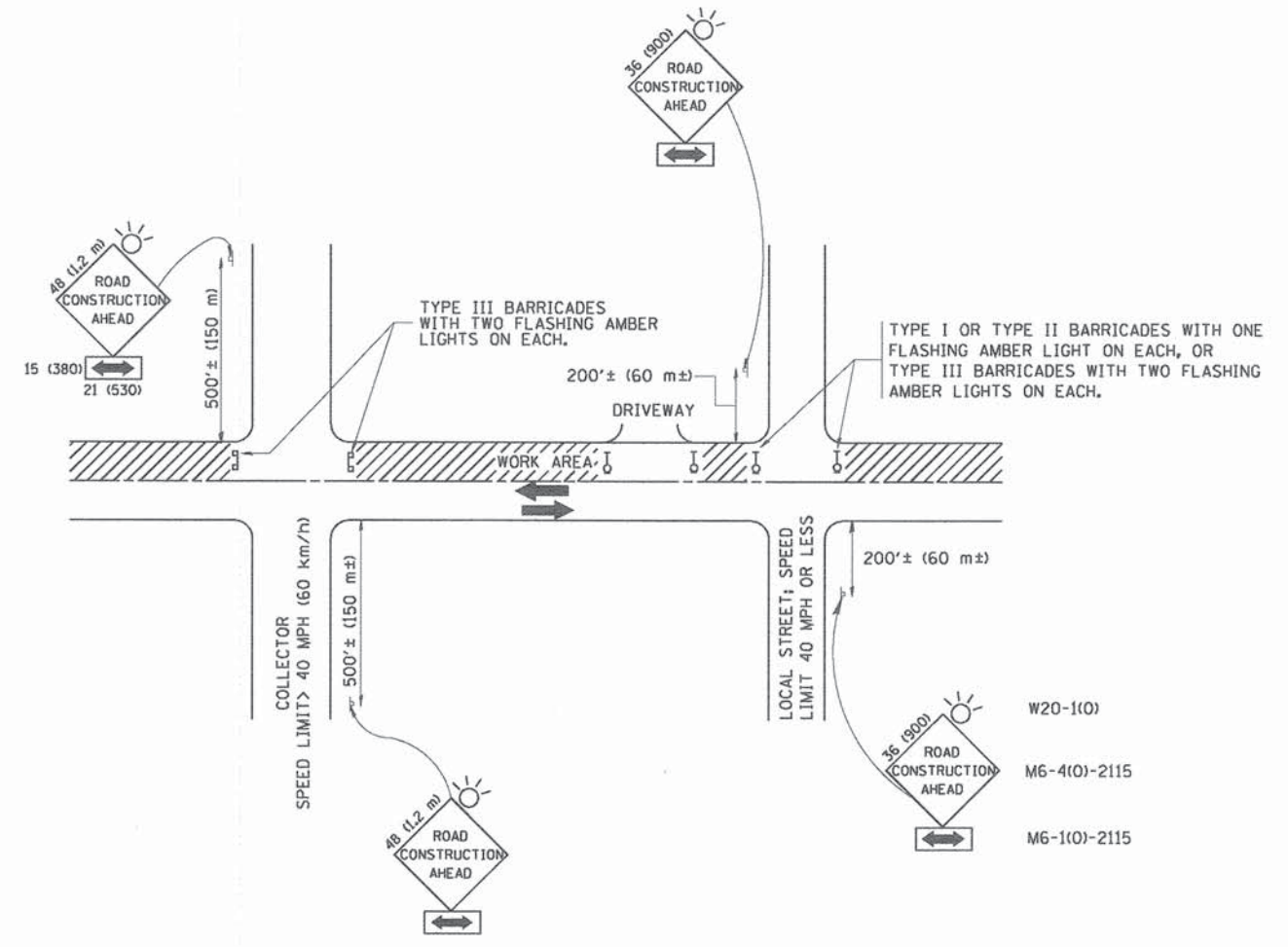
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	DATE - 08/29/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: N.T.S.		SHEET NO. 6 OF 11 SHEETS	
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 14-00070-00-RS		DUPAGE	30	24
• 1535/ 1533/ 2588				CONTRACT NO. 61B21

ILLINOIS FED. AID PROJECT



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
 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 AND FLAG 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. 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).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

(TC-10)

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



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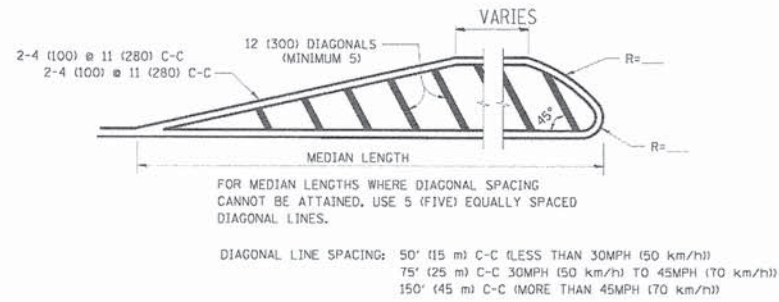
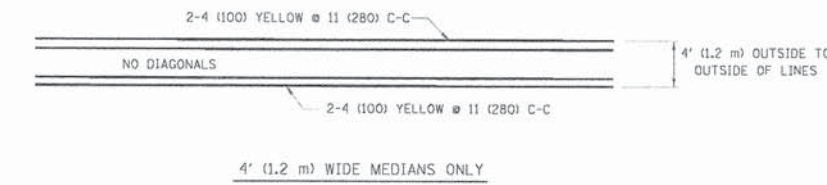
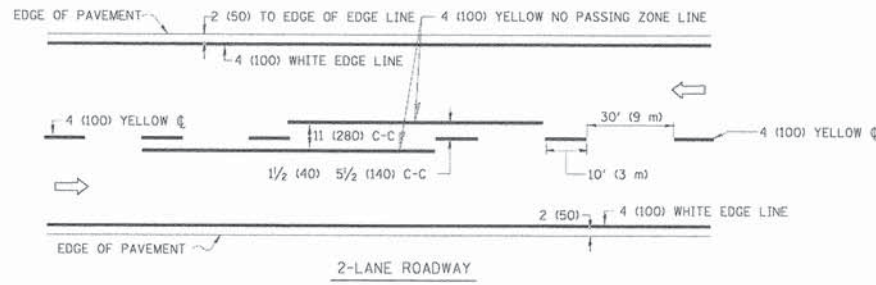
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

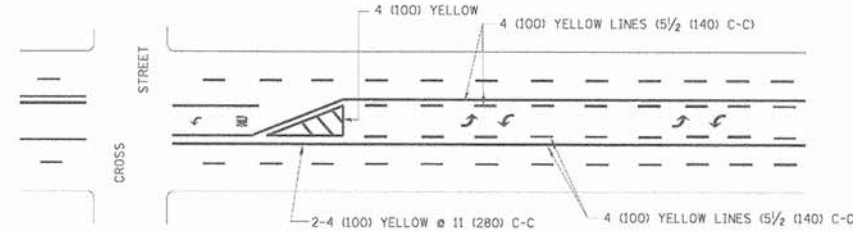
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 14-00070-00-RS		DUPAGE	30	25
• 1535/ 1533/ 2588			CONTRACT NO. 61B21	

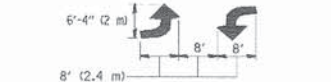
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MEDIANS OVER 4' (1.2 m) WIDE

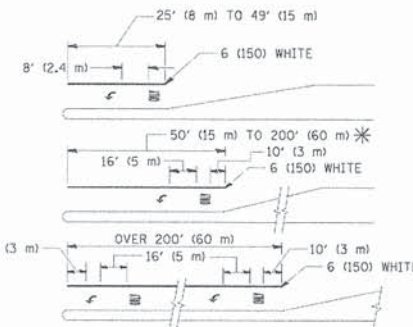


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

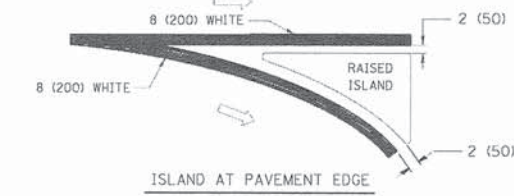
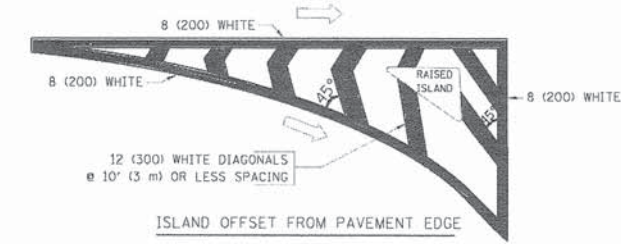


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

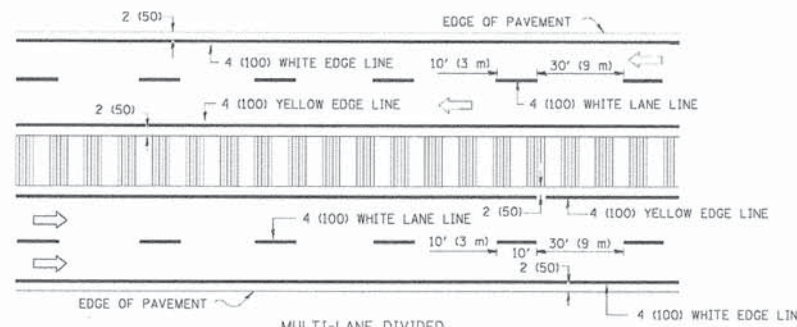
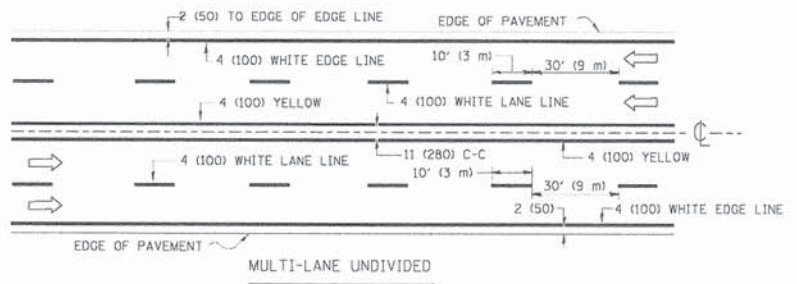


TYPICAL ISLAND MARKING

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 MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
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 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	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))

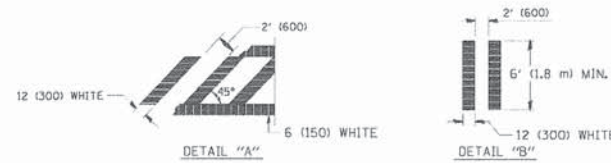
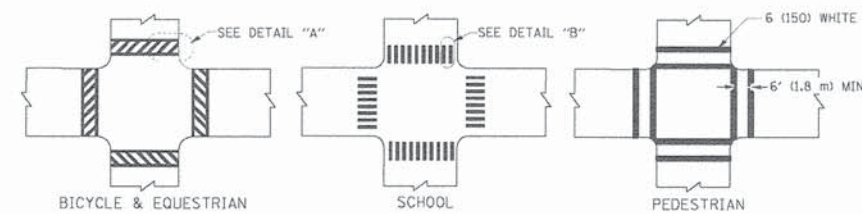
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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



NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



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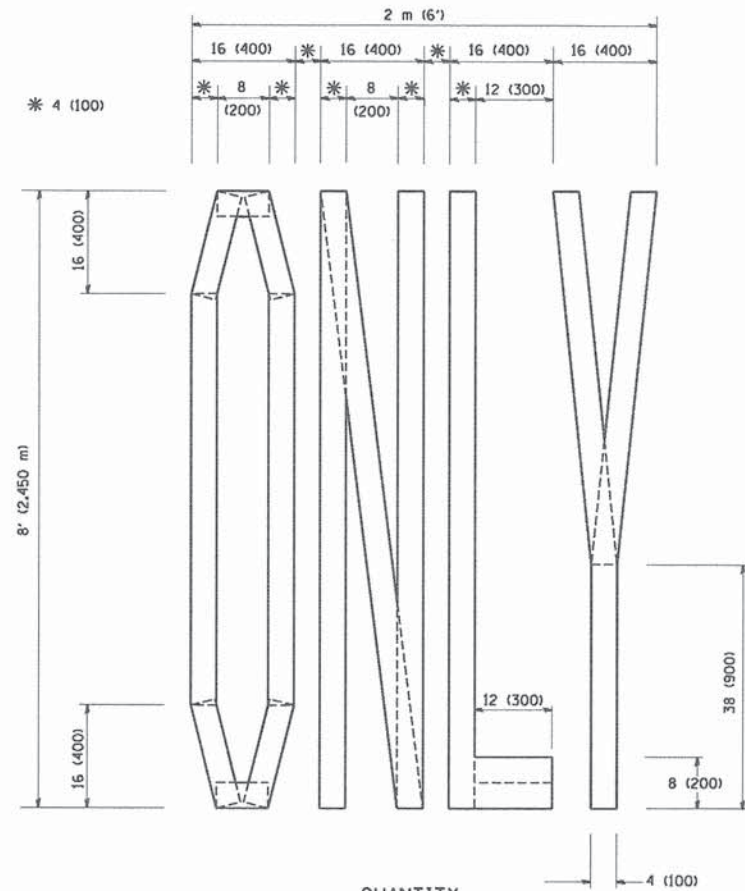
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DEPARTMENT OF TRANSPORTATION

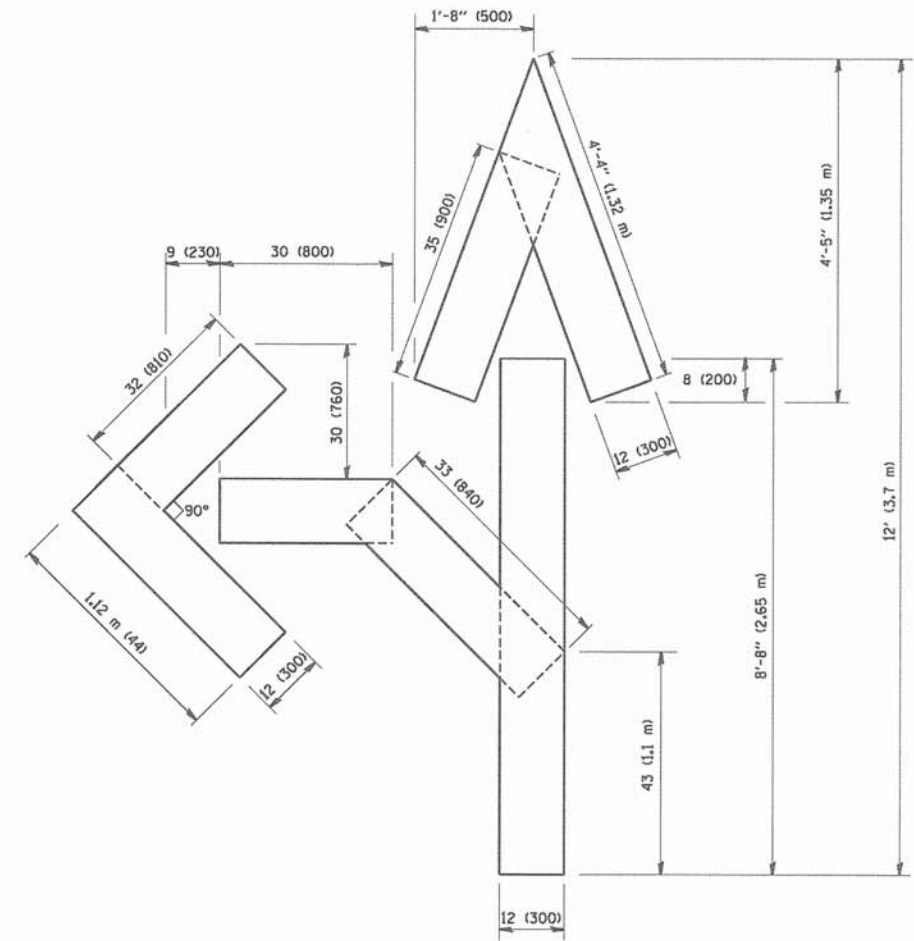
DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: N.T.S. SHEET NO. 8 OF 11 SHEETS

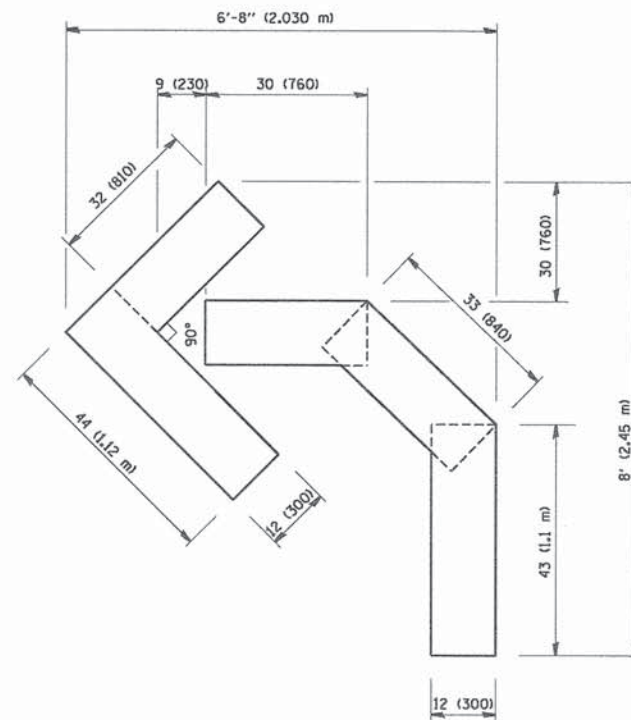
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-00070-00-RS	DUPAGE		30	26
1535/ 1533/ 2588	CONTRACT NO. 61B21			
ILLINOIS FED. AID PROJECT				



QUANTITY
 4 (100) LINE = 64.1 ft. (19.7 m)
 21.1 sq. ft. (1.97 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.39 sq. m)

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



USER NAME = *USER*	DESIGNED - SJJ	REVISED -
PLOT SCALE = *SCALE*	DRAWN - DRP	REVISED -
PLOT DATE = *DATE*	CHECKED - DSS	REVISED -
	DATE - 08/29/2014	REVISED -

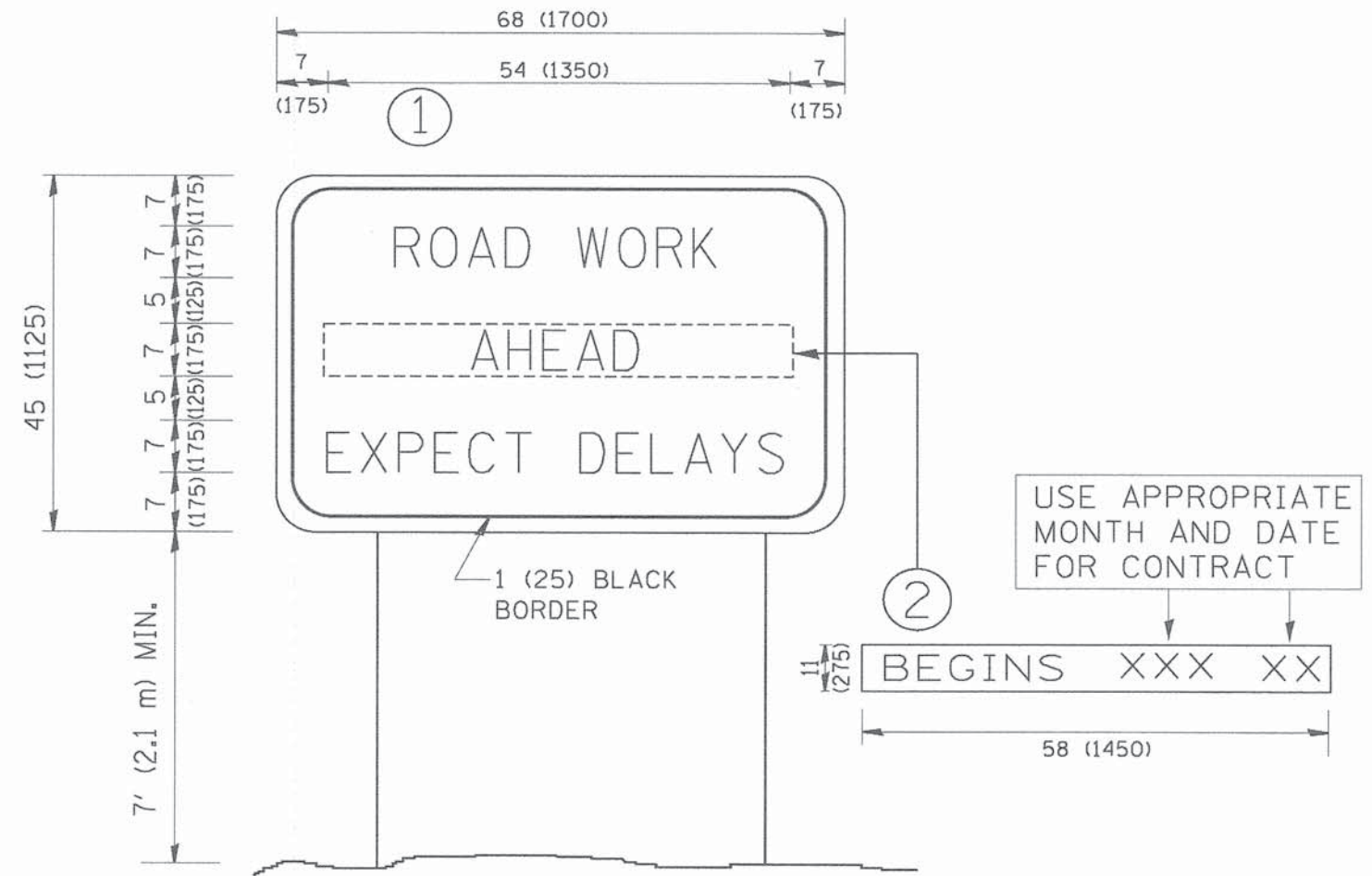
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

SCALE: N.T.S. SHEET NO. 9 OF 11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
14-00070-00-RS	DUPAGE		30	27
1535/ 1533/ 2588			CONTRACT NO. 61B21	
ILLINOIS FED. AID PROJECT				

(TC-16)



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.

(TC-22)

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



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PLOT DATE = #DATE#	DATE - 08/29/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
INFORMATION SIGN

SCALE: N.T.S. SHEET NO. 10 OF 11 SHEETS

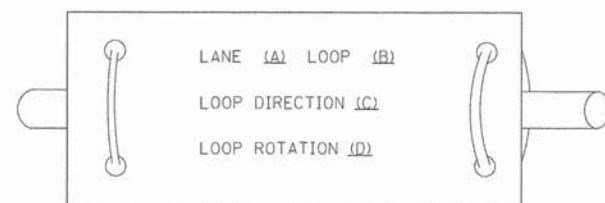
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• 14-00070-00-RS		DUPAGE	30	28
• 1535/ 1533/ 2588				CONTRACT NO. 61B21

ILLINOIS FED. AID PROJECT

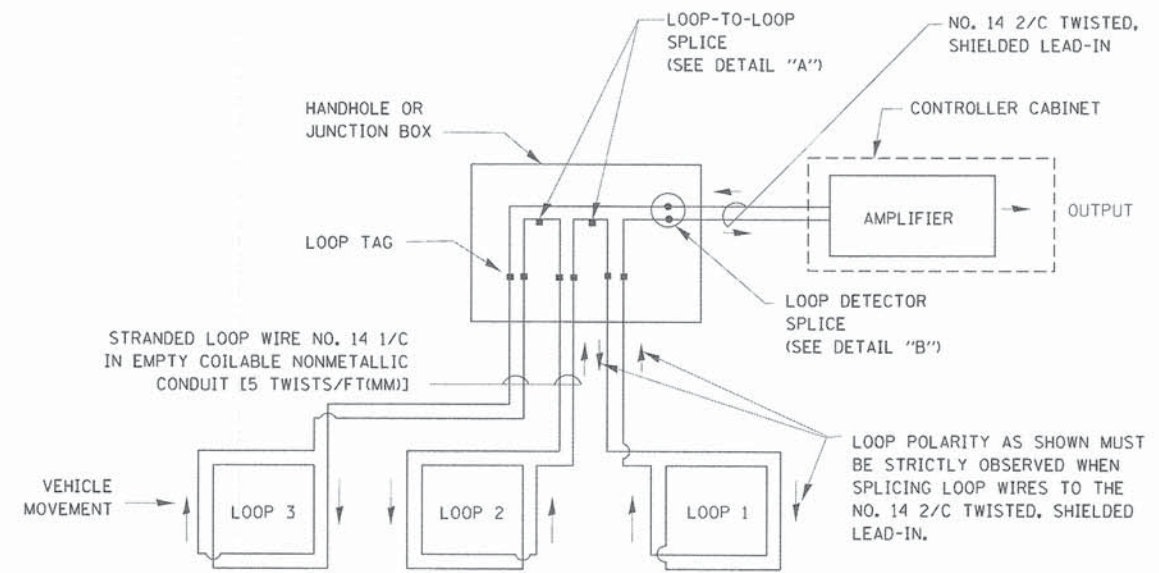
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

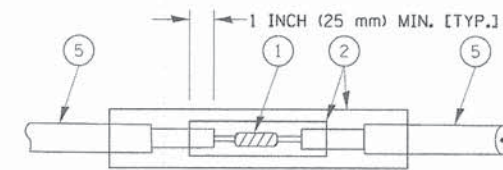


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

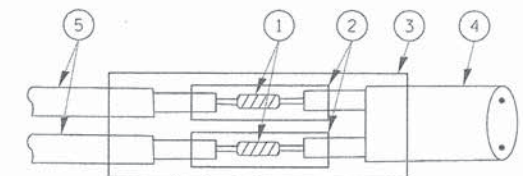


DETECTOR LOOP WIRING SCHEMATIC

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

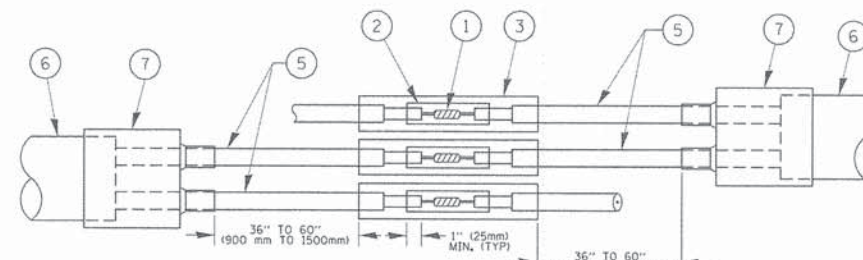


DETAIL "A"
LOOP-TO-LOOP SPLICE

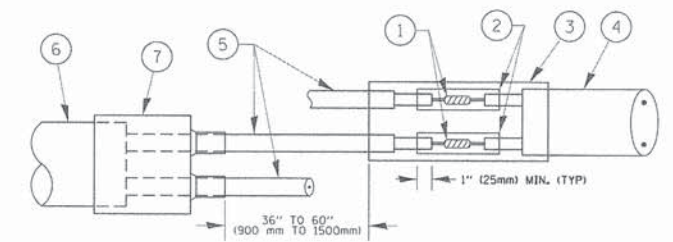


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PRE-FORMED LOOP

LOOP DETECTOR SPLICE

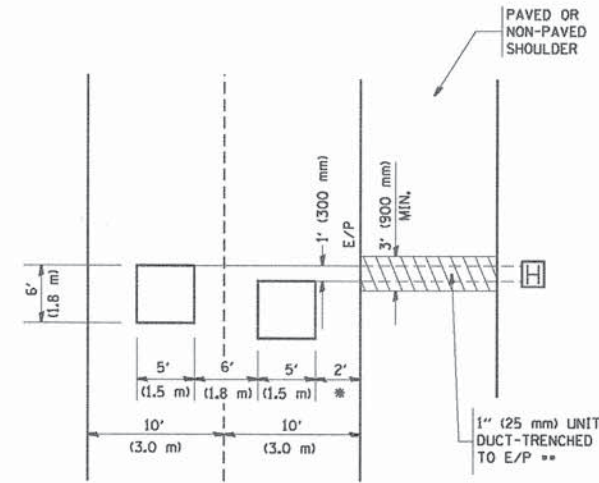
- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- 2 WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3 WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER 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

(TS-07)

<p>V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com</p>	USER NAME = #USER#	DESIGNED - SJJ	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p align="center">DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING</p>	F.A.I.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -			• 14-00070-00-RS	DUPAGE	30	29	
PLOT DATE = #DATE#	CHECKED - DSS	REVISED -		SCALE: N.T.S.	SHEET NO. 11 OF 11 SHEETS	• 1535/ 1533/ 2588			CONTRACT NO. 61B21	
	DATE - 08/29/2014	REVISED -				ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

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



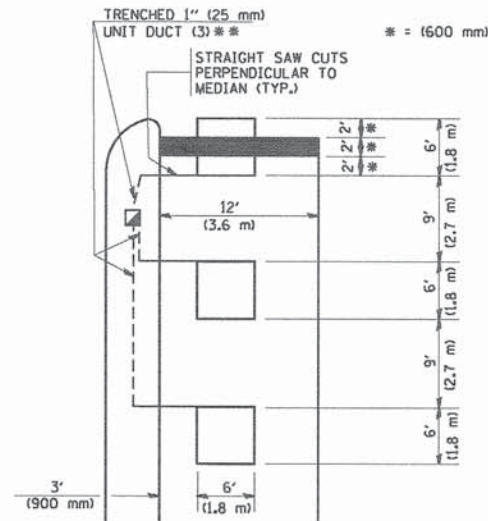
* = (600 mm)

** 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.

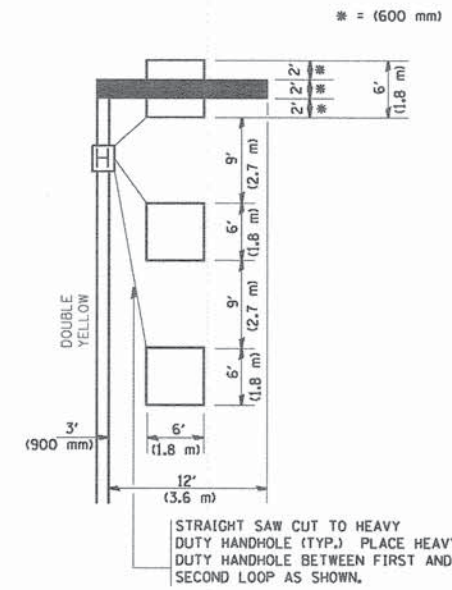


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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

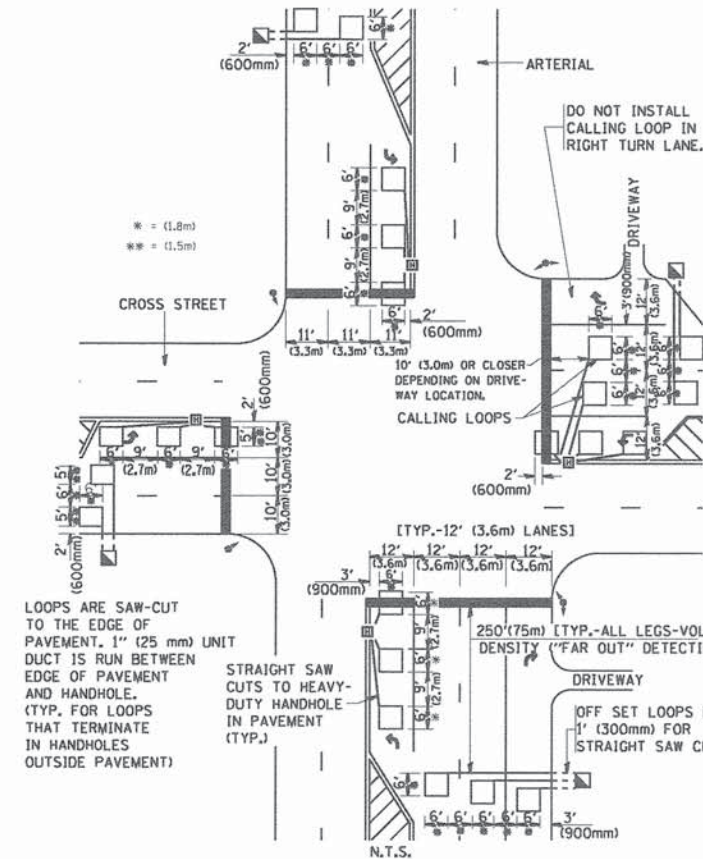
**LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH**

(PROTECTED / PERMITTED LEFT TURN PHASING)



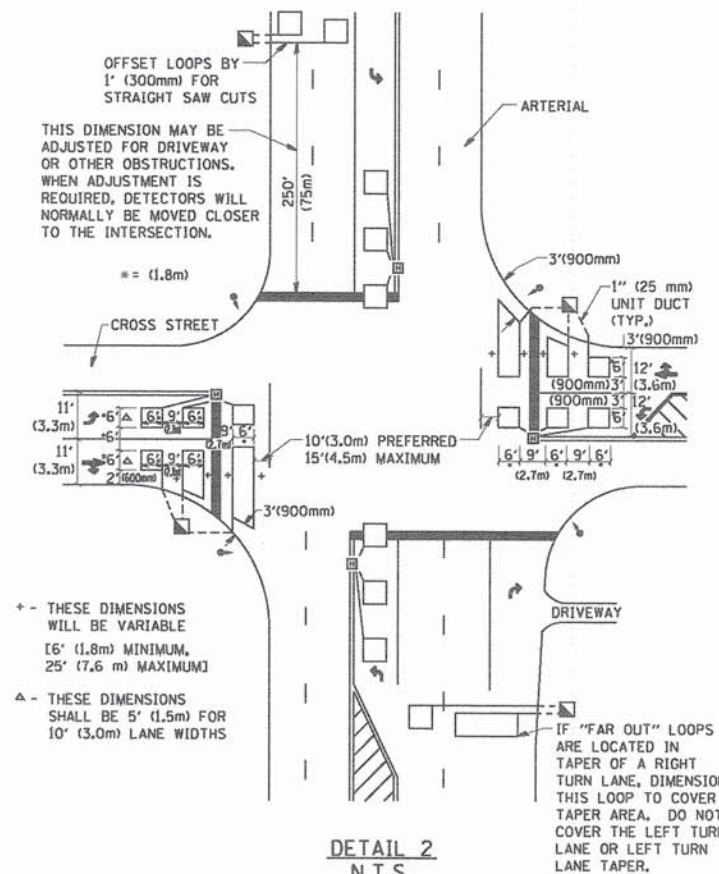
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**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.

(TS-07)



USER NAME = #USER#	DESIGNED - SJJ	REVISED -
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -
PLOT DATE = #DATE#	CHECKED - DSS	REVISED -
	DATE - 08/29/2014	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING

SCALE: N.T.S. SHEET NO. 11 OF 11 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 14-00070-00-RS		DUPAGE	30	30
• 1535/ 1533/ 2588			CONTRACT NO. 61B21	

ILLINOIS FED. AID PROJECT