

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(464Y & 465Y) RS-3	COOK	44	1
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 60166	
D-91-116-10 * 44 + 1 = 45				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED
HIGHWAY PLANS
F.A.P. 330: US ROUTE 12/45 (MANNHEIM RD.)
SECTION: (464Y & 465Y) RS-3
BERTEAU AVENUE TO US ROUTE 20 (LAKE ST.)
RESURFACING (3P)

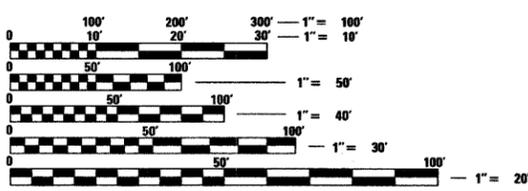
FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT LOCATED WITHIN THE VILLAGES OF SCHILLER PARK, NORTHLAKE, FRANKLIN PARK, MELROSE PARK, AND STONE PARK

COOK COUNTY
C-91-116-10

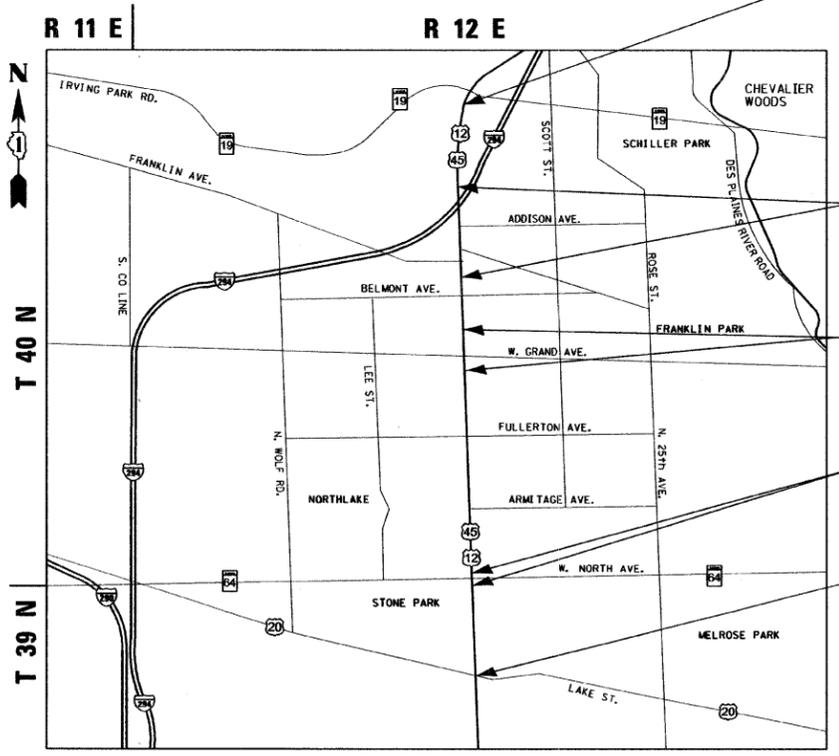


TRAFFIC DATA
US ROUTE 12/45
2007 ADT=47,700
SPEED LIMIT=30 MPH TO 40 MPH



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

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



IMPROVEMENT ENDS
STA. 228 + 60

BRIDGE OMISSION
STA. 164 + 57 TO 200 + 19

OMISSION
STA. 136 + 91.22 TO 145 + 50.20

BRIDGE OMISSION
STA. 56 + 85.83 TO 58 + 31.55

IMPROVEMENT BEGINS
STA. 27 + 18

SCALE: NTS
LEYDEN AND PROVISO TOWNSHIPS

GROSS LENGTH OF PROJECT = 20,142 FT = 3.81 MILES
NET LENGTH OF PROJECT = 15,575 FT = 2.95 MILES

MILLENNIA PROFESSIONAL SERVICES
 THOMAS V. NGO, P.E.
 * 062-058379
 DATE: 02/05/10
 SIGNATURE AND SEAL APPLIES TO DRWG.

DISTRICT ONE - PLAN PREP ENGINEER: KEN ENG (847) 705-4247

CONTRACT NO. 60166

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED February 5, 2010

Diane M. O'Keefe
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 19, 2010
Scott E. Stitt, P.E.
 Acting ENGINEER OF DESIGN AND ENVIRONMENT

March 19, 2010
Christie M. Reed
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MILLENNIA PROFESSIONAL SERVICES

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INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, AND COMMITMENTS
- 3A SUMMARY OF QUANTITIES
- 4-6 TYPICAL SECTIONS
- 7-14 ROADWAY PLAN
- 15-22 PAVEMENT MARKING PLAN
- 23-32 LOOP DETECTORS PLAN
- 33 CURB OR CURB AND GUTTER REMOVAL AND REPLACE (BD24)
- 34 BUTT JOINTS AND HMA TAPER (BD32)
- 35 HMA TAPER AT EDGE OF P.C.C. PAVEMENT (BD33)
- 36 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS (TC10)
- 37 RAISED REFLECTIVE PAVEMENT MARKERS, SNOW PLOW RESISTANT (TC11)
- 38 DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC13)
- 39 TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TC14) (TO REMAIN OPEN TO TRAFFIC) (TC14)
- 40 PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING (TC-16)
- 41 ARTERIAL ROAD INFORMATION SIGN (TC22)
- 42 TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS (TC23)
- 43 STANDARD TRAFFIC SIGNAL DESIGN DETAIL, SHEET 1 OF 6 (TS-05)
- 44 DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACE (TS-07)

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 442201-03 CLASS C AND D PATCHES
- 604086-02 FRAME AND GRATE TYPE 23
- 604091-02 FRAME AND GRATE TYPE 24
- 606001-04 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 606301-04 PC CONCRETE ISLANDS AND MEDIANS
- 606306-03 CORRUGATED PC CONCRETE MEDIANS
- 701601-06 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
- 701602-04 URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN
- 701606-06 URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701701-06 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-04 LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
- 701901-01 TRAFFIC CONTROL DEVICES
- 780001-02 TYPICAL PAVEMENT MARKINGS
- 814001-02 HANDHOLES

COMMITMENTS

NO COMMITMENTS FOR THIS PROJECT

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE UTILITY COMPANIES, VILLAGE OF SCHILLER PARK, NORTHLAKE, FRANKLIN PARK, MELROSE PARK AND STONE PARK.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
5. ALL DAMAGE TO EXISTING PAVEMENT MARKING OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTORS EXPENSE. NO ADDITIONAL COST TO THE DEPARTMENT.
6. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCES, 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 STRIPING SHALL BE AS DIRECTED BY THE ENGINEER.
7. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
8. LOCATIONS OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT, WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
9. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE BY THE ENGINEER.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
11. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
12. THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER AT (773) 685-8386 A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
13. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
14. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
15. DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN ON THE PLANS.
16. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH. WITH WRITTEN APPROVAL FROM 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).
17. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS UNLESS OTHERWISE SPECIFIED.
18. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES. THE COST OF THE PAVEMENT MARKING TAPE, TYPE III AND IT'S REMOVAL SHALL BE INCLUDED IN THE COST OF SHORT TERM PAVEMENT MARKING.
19. THE CONTRACTOR SHALL PLACE PROPOSED PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT 1 TYPICAL PAVEMENT MARKINGS DETAIL (TC-13).
20. LOCATIONS OF LONGITUDINAL JOINT REPAIR WILL BE DETERMINED BY THE ENGINEER.
21. THE TRAFFIC SIGNAL PLANS SHOWING THE DETECTOR LOOPS ARE FOR INFORMATION ONLY. THE LOOP REPLACEMENT QUANTITIES SHOWN ON THE PLAN SHEETS ARE BASED ON THE LOOPS SHOWN IN TRAFFIC SIGNAL PLANS. ADDITIONAL QUANTITIES HAVE BEEN INCLUDED TO REFLECT THE ADDITIONAL DETECTOR LOOPS DISCOVERED IN THE FIELD. THE CONTRACTOR SHALL CONTACT THE TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER TO APPROVE LOOP LOCATIONS PRIOR TO CUTTING OF THE PAVEMENT. SEE TRAFFIC SIGNAL SPECIFICATIONS FOR DETECTOR REPLACEMENT.

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 USER NAME : Millennium Professional Services



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CHECKED -	TYN	REVISED -	
DATE	2/8/2010	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**US RTE 1245
 BERTEAU AVE TO US RTE 20**

**INDEX OF SHEETS, LIST OF IDOT
 HIGHWAY STANDARD, GENERAL NOTES,
 AND COMMITMENTS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(464Y & 465Y) RS-3	COOK	44	2
CONTRACT NO. 60166				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

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SUMMARY OF QUANTITIES			TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
CODE NO.	ITEM DESCRIPTION	UNIT	100% STATE	I000 QUANTITY	
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	250	250	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	59	59	
40600300	AGGREGATE (PRIME COAT)	TON	293	293	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	225	225	
40600826	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	5200	5200	
40600895	CONSTRUCTING TEST STRIP	EACH	2	2	
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SO YD	5951	5951	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	28	28	
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	14350	14350	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	190	190	
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	250	250	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	1250	1250	
42400800	DETECTABLE WARNINGS	SO FT	72	72	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	750	750	
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	660	660	
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	500	500	
44000600	SIDEWALK REMOVAL	SO FT	1250	1250	
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	7500	7500	
44003100	MEDIAN REMOVAL	SO FT	13370	13370	
44003510	MEDIAN REMOVAL PARTIAL DEPTH	SO FT	104495	104495	
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SO YD	29	29	
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SO YD	4589	4589	
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SO YD	283	283	
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SO YD	1136	1136	
55039700	STORM SEWERS TO BE CLEANED	FOOT	1428	1428	
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	34	34	
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	15	15	
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	29	29	
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	212	212	

SUMMARY OF QUANTITIES			TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
CODE NO.	ITEM DESCRIPTION	UNIT	100% STATE	I000 QUANTITY	
60404940	FRAMES AND GRATES, TYPE 23	EACH	3	3	
60404950	FRAMES AND GRATES, TYPE 24	EACH	5	5	
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	6	6	
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	65	65	
60618740	CONCRETE MEDIAN, TYPE M-2.12	SO FT	3004	3004	
60620800	CONCRETE MEDIAN, TYPE SB-9.12	SO FT	6740	6740	
60624600	CORRUGATED MEDIAN	SO FT	3627	3627	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	
67100100	MOBILIZATION	L SUM	1	1	
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1	
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1	
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	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	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	6	6	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	35305	35305	
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	2085	2085	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	140560	140560	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	13220	13220	
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	2215	2215	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	6210	6210	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	3300	3300	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	11770	11770	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	1041	1041	

* SPECIALTY ITEM

FILE NAME : P:\2009\ME09006-Var\PH1\CADD\WDL\US45\Shs\03-D160166-shr-US45-500.dgn
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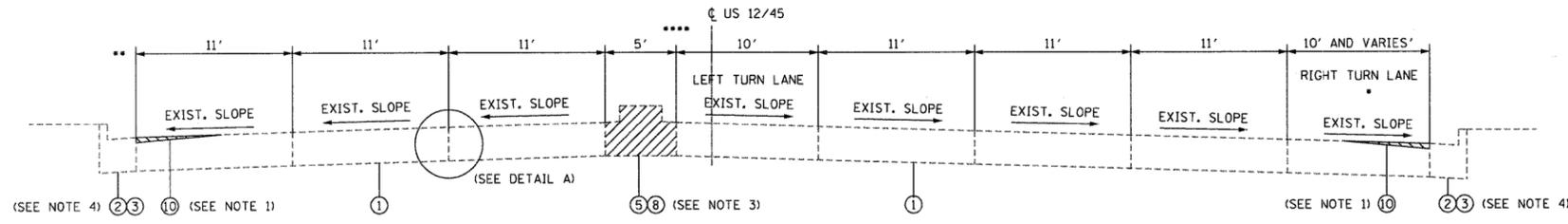
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**US RTE 12/45
 BERTEAU AVE TO US RTE 20**

SUMMARY OF QUANTITIES

F.A.P. RTE. 330	SECTION (464Y & 465Y) RS-3	COUNTY COOK	TOTAL SHEETS 44	SHEET NO. 3
CONTRACT NO. 60166			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

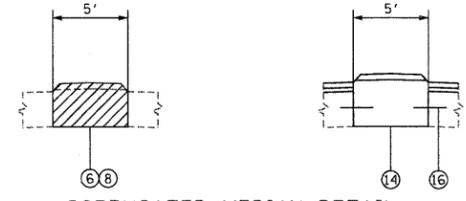
SCALE: NTS SHEET NO. OF SHEETS STA. TO STA.



EXISTING TYPICAL SECTION

US 12/20/45 (MANNHEIM RD)

- STA. 40+48 TO STA. 42+19
- STA. 43+00 TO STA. 44+51 ***
- STA. 50+74 TO STA. 55+57 ***
- STA. 55+74 TO STA. 56+56
- STA. 58+42 TO STA. 59+29
- STA. 63+05 TO STA. 64+56 ***
- STA. 81+82 TO STA. 83+36
- STA. 84+41 TO STA. 85+98 ***
- STA. 108+27 TO STA. 109+83
- STA. 110+79 TO STA. 112+33 ***
- STA. 145+50 TO STA. 147+13
- STA. 161+54 TO STA. 162+58
- STA. 163+58 TO STA. 164+57 ***
- STA. 173+00 TO STA. 176+04
- STA. 198+15 TO STA. 199+48
- STA. 213+65 TO STA. 215+15
- STA. 225+39 TO STA. 226+90
- 7' PARKING LANE STA 46+02 TO STA 54+85
- RIGHT TURN LANE STA 137+85 TO STA 440+05, AND STA 441+47 TO STA443+47
- ADDITIONAL 10' PARKING LANE STA 27+17 TO STA 42+07
- MIRROR ABOUT CENTERLINE FOR SOUTHBOUND LEFT TURN
- 5' TO 15' LANDSCAPED MEDIAN STA 52+25 TO STA 55+57
- 15' MEDIAN WITH CENTER CURB AND GUTTER STA 55+57 TO STA 56+86 AND STA 58+32 TO STA 59+28



CORRUGATED MEDIAN DETAIL

- STA. 42+00 TO STA. 42+19
- STA. 43+00 TO STA. 43+19
- STA. 50+74 TO STA. 52+22
- STA. 63+05 TO STA. 63+23
- STA. 84+41 TO STA. 84+58
- STA. 109+67 TO STA. 109+83
- STA. 110+79 TO STA. 110+89
- STA. 145+50 TO STA. 147+13
- STA. 162+43 TO STA. 162+58
- STA. 163+58 TO STA. 163+75
- STA. 199+33 TO STA. 199+48
- STA. 215+00 TO STA. 215+15
- STA. 226+73 TO STA. 226+90

LEGEND

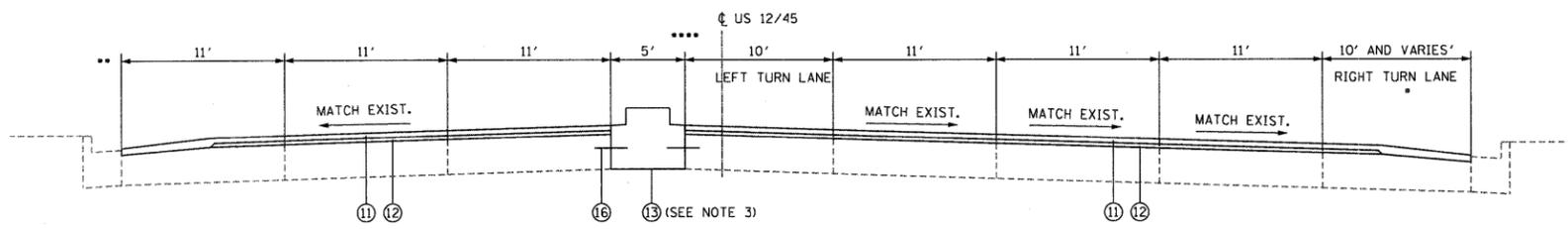
- 1 EXISTING +/-10" P.C.C. BASE
- 2 EXISTING B-6.24 CURB AND GUTTER
- 3 EXISTING B-6.12 CURB AND GUTTER
- 4 EXISTING M-2.12 CURB AND GUTTER
- 5 EXISTING CONCRETE MEDIAN TYPE SB-9.12
- 6 EXISTING CORRUGATED MEDIAN
- 7 EXISTING MEDIAN SURFACE 12"
- 8 MEDIAN REMOVAL
- 9 MEDIAN REMOVAL, PARTIAL DEPTH (SEE NOTE 2)
- 10 PORTLAND CEMENT CONCRETE SURFACE REMOVAL VARIABLE DEPTH
- 11 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5MM) -1 3/4"
- 12 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 -3/4"
- 13 PROPOSED CONCRETE MEDIAN, TYPE SB-9.12
- 14 PROPOSED CORRUGATED MEDIAN
- 15 PROPOSED INCIDENTAL HMA SURFACING
- 16 TIE BARS 3/4" @ 24" CENTERS

NOTES

1. SEE DISTRICT ONE DETAIL (BD33) HMA TAPER AT EDGE OF P.C.C. PAVEMENT
2. COST OF REMOVAL OF PORTION OF P.C.C. CURB ABOVE GUTTER TO BE INCLUDED WITH MEDIAN REMOVAL, PARTIAL DEPTH
3. FOR CORRUGATED MEDIAN REMOVAL AND REPLACEMENT SEE DETAIL
4. EXISTING B-6.12 APPLIES FROM STA 27+18 TO STA 58+32
5. THE CONTRACTOR SHALL MATCH THE EXISTING ADJACENT PAVEMENT CROSS SLOPE FOR MEDIAN REMOVAL PARTIAL DEPTH

OMISSIONS

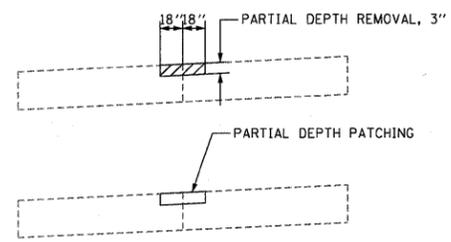
- STA. 56+85.83 TO STA. 58+31.55
- STA. 136+91.22 TO STA. 145+50.20
- STA. 164+57 TO STA. 200+19



PROPOSED TYPICAL SECTION

US 12/20/45 (MANNHEIM RD)

- STA. 40+48 TO STA. 42+19
- STA. 43+00 TO STA. 44+51 ***
- STA. 50+74 TO STA. 55+57 ***
- STA. 55+74 TO STA. 56+56
- STA. 58+42 TO STA. 59+29
- STA. 63+05 TO STA. 64+56 ***
- STA. 81+82 TO STA. 83+36
- STA. 84+41 TO STA. 85+98 ***
- STA. 108+27 TO STA. 109+83
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- STA. 163+58 TO STA. 164+57 ***
- STA. 173+00 TO STA. 176+04
- STA. 198+15 TO STA. 199+48
- STA. 213+65 TO STA. 215+15
- STA. 225+39 TO STA. 226+90



**DETAIL A
LONGITUDINAL JOINT REPAIR (TYP)**

(LOCATIONS TO BE DETERMINED BY ENGINEER)

HMA MIXTURES REQUIREMENT	
MIXTURE USES	AIR VOIDS @ Ndes
PAVEMENT RESURFACING	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5mm)	4% @ 90 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	4% @ 50 GYR.
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19 MM)	4% @ 70 GYR.
PARTIAL DEPTH PATCHING (HMA BINDER IL-19 MM)	4% @ 70 GYR.
DRIVEWAYS	
HMA SURFACE COURSE, MIX C, N50 (IL 9.5 MM); 2"	4% @ 50 GYR.
HMA BASE COURSE (HMA BINDER IL-19 MM); PE -6", CE -8"	4% @ 50 GYR.

MIXTURE NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ YD/IN
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG70-22" 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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 USER NAME = Millennium Professional Services

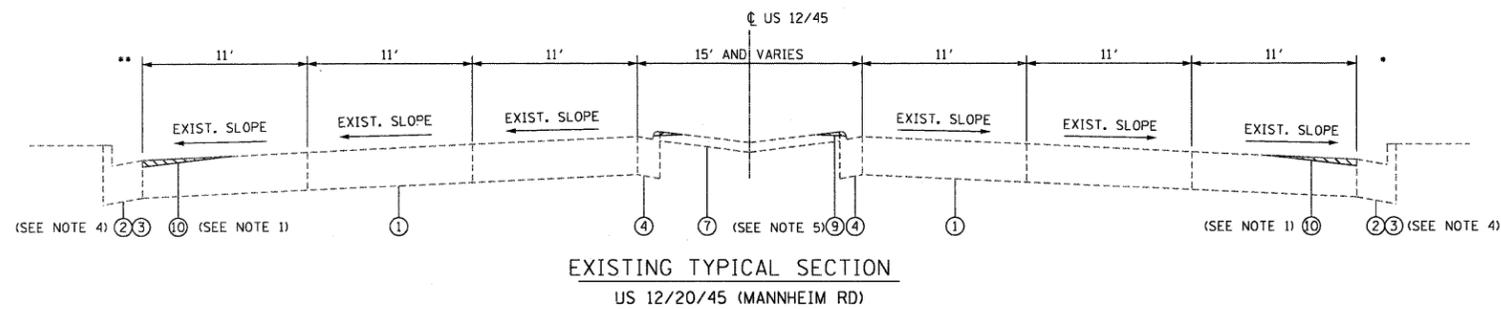
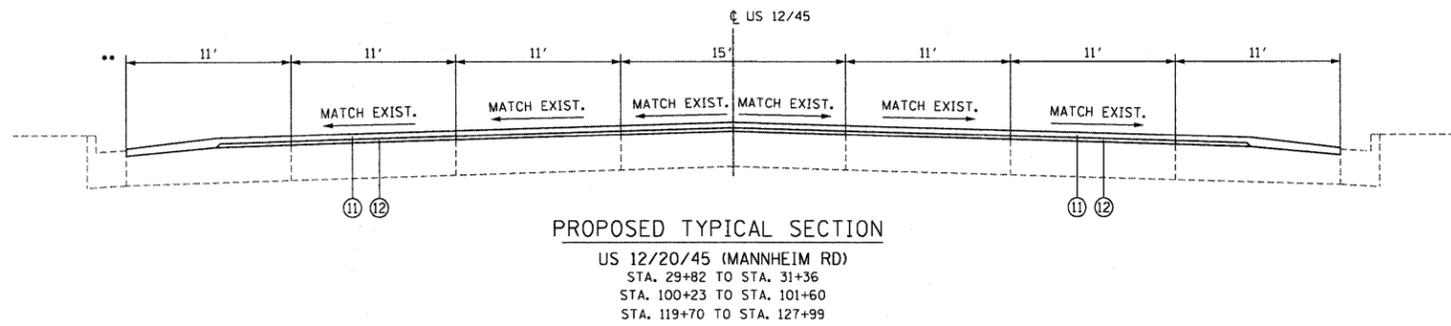
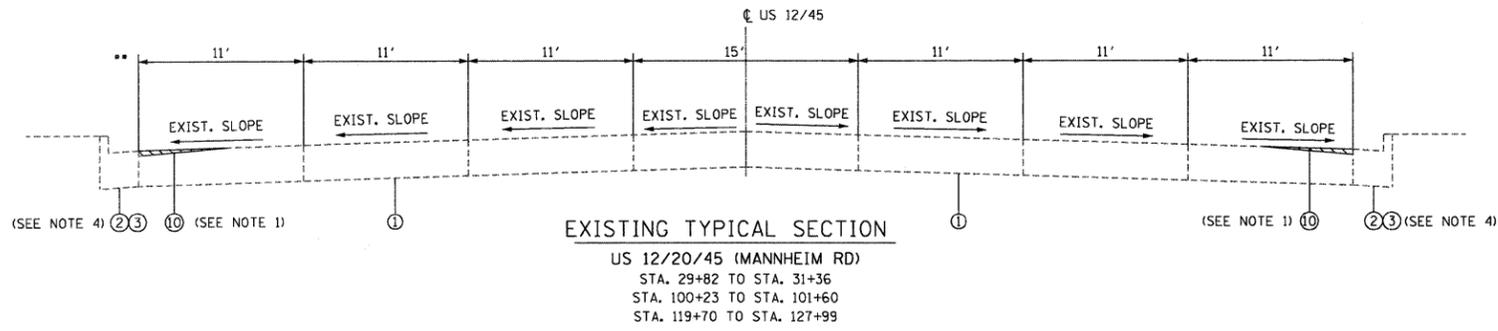
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CHECKED - TVN	REVISED -
DATE - 2/9/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

US RTE 12/45 BERTEAU AVE TO US RTE 20		MAINLINE TYPICAL SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				330	(464Y & 465Y) RS-3	COOK	44	4
SCALE:		SHEET NO. OF SHEETS		STA. TO STA.		CONTRACT NO. 60166		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								

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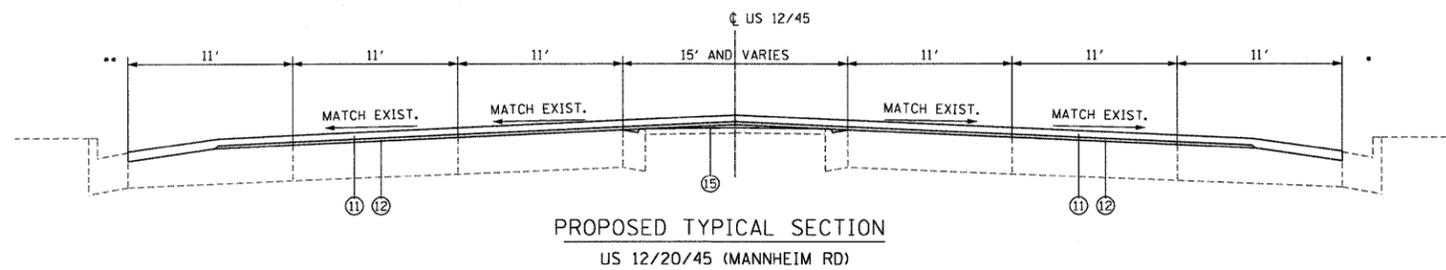


STA. 27+18 TO STA. 29+84
STA. 31+35 TO STA. 38+85
STA. 46+20 TO STA. 46+84
STA. 59+62 TO STA. 62+40
STA. 74+64 TO STA. 76+35
STA. 80+07 TO STA. 80+38

STA. 97+38 TO STA. 100+22
STA. 100+60 TO STA. 106+60
STA. 113+94 TO STA. 116+39
STA. 132+60 TO STA. 133+37
STA. 147+82 TO STA. 149+68
STA. 150+21 TO STA. 152+34

STA. 155+10 TO STA. 156+31
STA. 166+08 TO STA. 171+13
STA. 200+19 TO STA. 211+87
STA. 215+98 TO STA. 222+39
STA. 222+78 TO STA. 223+56
STA. 227+60 TO STA. 228+60

• ADDITIONAL 7' PARKING LANE STA 46+02 TO STA 54+85
•• ADDITIONAL 7' PARKING LANE STA 27+17 TO STA 42+07



STA. 27+18 TO STA. 29+84
STA. 31+35 TO STA. 38+85
STA. 46+20 TO STA. 46+84
STA. 59+62 TO STA. 62+40
STA. 74+64 TO STA. 76+35
STA. 80+07 TO STA. 80+38

STA. 97+38 TO STA. 100+22
STA. 100+60 TO STA. 106+60
STA. 113+94 TO STA. 116+39
STA. 132+60 TO STA. 133+37
STA. 147+82 TO STA. 149+68
STA. 150+21 TO STA. 152+34

STA. 155+10 TO STA. 156+31
STA. 166+08 TO STA. 171+13
STA. 200+19 TO STA. 211+87
STA. 215+98 TO STA. 222+39
STA. 222+78 TO STA. 223+56
STA. 227+60 TO STA. 228+60

LEGEND

- ① EXISTING +/-10" P.C.C. BASE
- ② EXISTING B-6.24 CURB AND GUTTER
- ③ EXISTING B-6.12 CURB AND GUTTER
- ④ EXISTING M-2.12 CURB AND GUTTER
- ⑤ EXISTING CONCRETE MEDIAN TYPE SB-9.12
- ⑥ EXISTING CORRUGATED MEDIAN
- ⑦ EXISTING MEDIAN SURFACE 12"
- ⑧ MEDIAN REMOVAL
- ⑨ MEDIAN REMOVAL, PARTIAL DEPTH (SEE NOTE 2)
- ⑩ PORTLAND CEMENT CONCRETE SURFACE REMOVAL VARIABLE DEPTH
- ⑪ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5MM) -1 3/4"
- ⑫ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 -3/4"
- ⑬ PROPOSED CONCRETE MEDIAN, TYPE SB-9.12
- ⑭ PROPOSED CORRUGATED MEDIAN
- ⑮ PROPOSED INCIDENTAL HMA SURFACING

NOTES

1. SEE DISTRICT ONE DETAIL (BD33) HMA TAPER AT EDGE OF P.C.C. PAVEMENT
2. COST OF REMOVAL OF PORTION OF P.C.C. CURB ABOVE GUTTER TO BE INCLUDED WITH MEDIAN REMOVAL, PARTIAL DEPTH
3. FOR CORRUGATED MEDIAN REMOVAL AND REPLACEMENT SEE DETAIL
4. EXISTING B-6.12 APPLIES FROM STA 27+18 TO STA 58+32
5. THE CONTRACTOR SHALL MATCH THE EXISTING ADJACENT PAVEMENT CROSS SLOPE FOR MEDIAN REMOVAL PARTIAL DEPTH

OMISSIONS

STA. 56+85.83 TO STA. 58+31.55
STA. 136+91.22 TO STA. 145+50.20
STA. 164+57 TO STA. 200+19

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 PLOT SCALE = 6.0000' / IN.
 USER NAME = Millennia Professional Services



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DATE - 2/8/2010	REVISED -

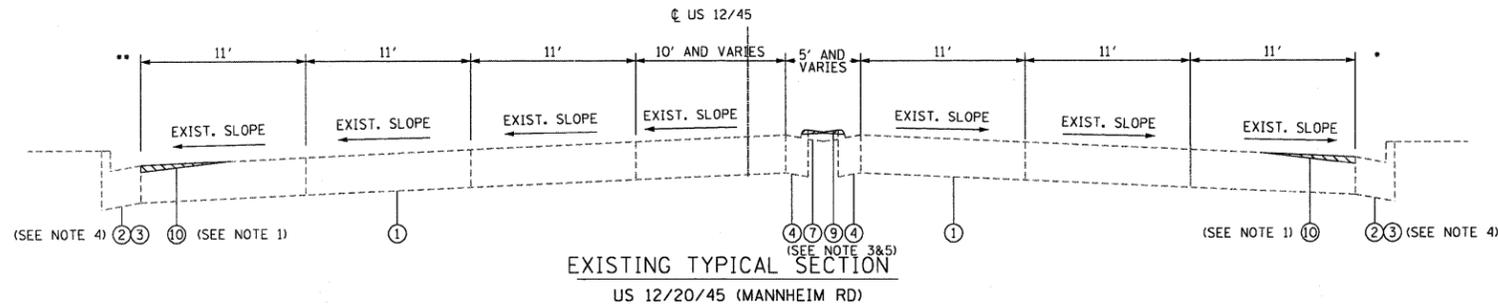
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US RTE 12/45
BERTEAU AVE TO US RTE 20**

MAINLINE TYPICAL SECTIONS

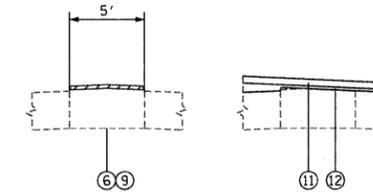
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(464Y & 465Y) RS-3	COOK	44	5
CONTRACT NO. 60166				

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

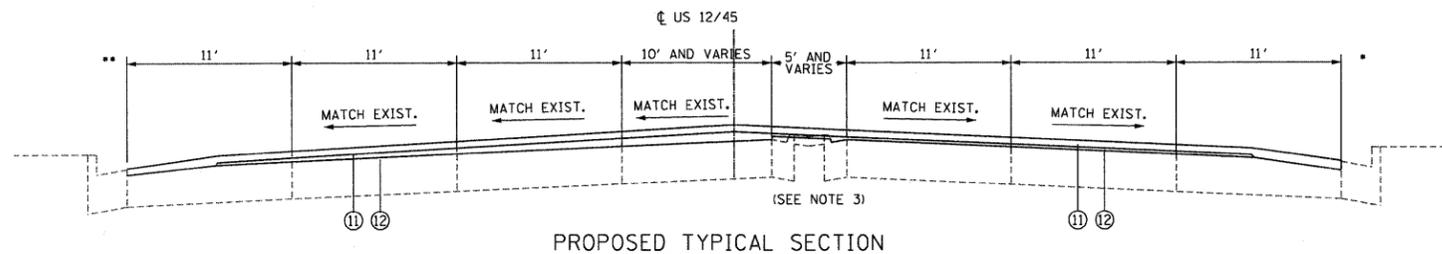


STA. 38+85 TO STA. 40+48	STA. 88+57 TO STA. 92+21 ***	STA. 152+87 TO STA. 155+10
STA. 44+51 TO STA. 46+20	STA. 93+22 TO STA. 96+87	STA. 156+97 TO STA. 159+47
STA. 46+84 TO STA. 49+75 ***	STA. 106+60 TO STA. 108+27 ***	STA. 159+87 TO STA. 161+54 ***
STA. 64+56 TO STA. 68+05 ***	STA. 112+33 TO STA. 113+94	STA. 164+57 TO STA. 166+08
STA. 69+02 TO STA. 74+64	STA. 116+39 TO STA. 119+67 ***	STA. 171+13 TO STA. 173+00
STA. 77+04 TO STA. 80+07	STA. 128+01 TO STA. 129+46 ***	STA. 211+87 TO STA. 213+65 ***
STA. 80+38 TO STA. 81+82 ***	STA. 130+41 TO STA. 132+60	STA. 223+56 TO STA. 225+39 ***
STA. 85+98 TO STA. 88+07	STA. 134+09 TO STA. 136+91	

- ADDITIONAL 7' PARKING LANE STA 46+02 TO STA 54+85
- ADDITIONAL 7' PARKING LANE STA 27+17 TO STA 42+07
- MIRROR ABOUT CENTERLINE FOR NORTHBOUND LEFT TURN



STA. 48+51 TO STA. 49+75	STA. 118+20 TO STA. 119+67
STA. 66+96 TO STA. 68+05	STA. 128+01 TO STA. 129+46
STA. 69+02 TO STA. 73+06	STA. 130+41 TO STA. 131+61
STA. 77+04 TO STA. 78+56	STA. 134+09 TO STA. 135+35
STA. 90+71 TO STA. 92+21	STA. 152+87 TO STA. 154+00
STA. 93+22 TO STA. 94+72	STA. 156+97 TO STA. 157+80

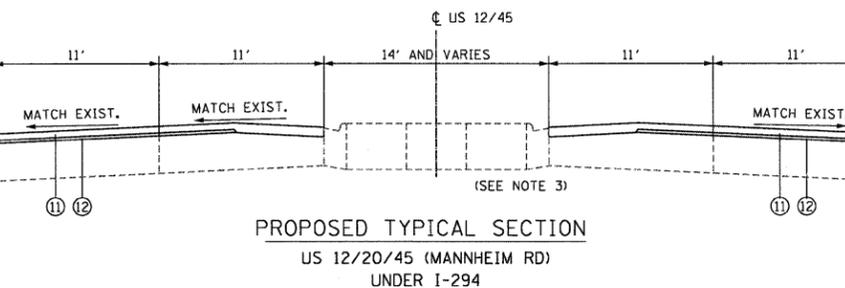
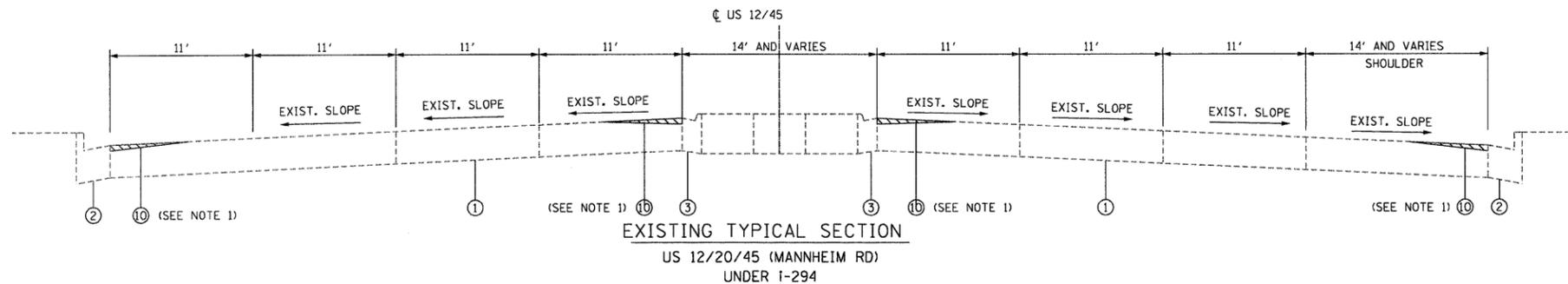


STA. 38+85 TO STA. 40+48	STA. 88+57 TO STA. 92+21 ***	STA. 152+87 TO STA. 155+10
STA. 44+51 TO STA. 46+20	STA. 93+22 TO STA. 96+87	STA. 156+97 TO STA. 159+47
STA. 46+84 TO STA. 49+75 ***	STA. 106+60 TO STA. 108+27 ***	STA. 159+87 TO STA. 161+54 ***
STA. 64+56 TO STA. 68+05 ***	STA. 112+33 TO STA. 113+94	STA. 164+57 TO STA. 166+08
STA. 69+02 TO STA. 74+64	STA. 116+39 TO STA. 119+67 ***	STA. 171+13 TO STA. 173+00
STA. 77+04 TO STA. 80+07	STA. 128+01 TO STA. 129+46 ***	STA. 211+87 TO STA. 213+65 ***
STA. 80+38 TO STA. 81+82 ***	STA. 130+41 TO STA. 132+60	STA. 223+56 TO STA. 225+39 ***
STA. 85+98 TO STA. 88+07	STA. 134+09 TO STA. 136+91	

LEGEND

- ① EXISTING +/-10" P.C.C. BASE
- ② EXISTING B-6.24 CURB AND GUTTER
- ③ EXISTING B-6.12 CURB AND GUTTER
- ④ EXISTING M-2.12 CURB AND GUTTER
- ⑤ EXISTING CONCRETE MEDIAN TYPE SB-9.12
- ⑥ EXISTING CORRUGATED MEDIAN
- ⑦ EXISTING MEDIAN SURFACE 12"
- ⑧ MEDIAN REMOVAL
- ⑨ MEDIAN REMOVAL, PARTIAL DEPTH (SEE NOTE 2)
- ⑩ PORTLAND CEMENT CONCRETE SURFACE REMOVAL VARIABLE DEPTH
- ⑪ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5MM) -1 3/4"
- ⑫ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 -3/4"
- ⑬ PROPOSED CONCRETE MEDIAN, TYPE SB-9.12
- ⑭ PROPOSED CORRUGATED MEDIAN
- ⑮ PROPOSED INCIDENTAL HMA SURFACING

SEE DISTRICT ONE DETAIL (BD33) HMA TAPER AT EDGE OF P.C.C. PAVEMENT



NOTES

- SEE DISTRICT ONE DETAIL (BD33) HMA TAPER AT EDGE OF P.C.C. PAVEMENT
- COST OF REMOVAL OF PORTION OF P.C.C. CURB ABOVE GUTTER TO BE INCLUDED WITH MEDIAN REMOVAL, PARTIAL DEPTH
- FOR CORRUGATED MEDIAN REMOVAL AND REPLACEMENT SEE DETAIL
- EXISTING B-6.12 APPLIES FROM STA 27+18 TO STA 58+32
- THE CONTRACTOR SHALL MATCH THE EXISTING ADJACENT PAVEMENT CROSS SLOPE FOR MEDIAN REMOVAL PARTIAL DEPTH

OMISSIONS

- STA. 56+85.83 TO STA. 58+31.55
- STA. 136+91.22 TO STA. 145+50.20
- STA. 164+57 TO STA. 200+19

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 USER NAME = Millennium Professional Services



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CHECKED - TVN	REVISED -
DATE - 2/8/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RTE 12/45
BERTEAU AVE TO US RTE 20

MAINLINE TYPICAL SECTIONS

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

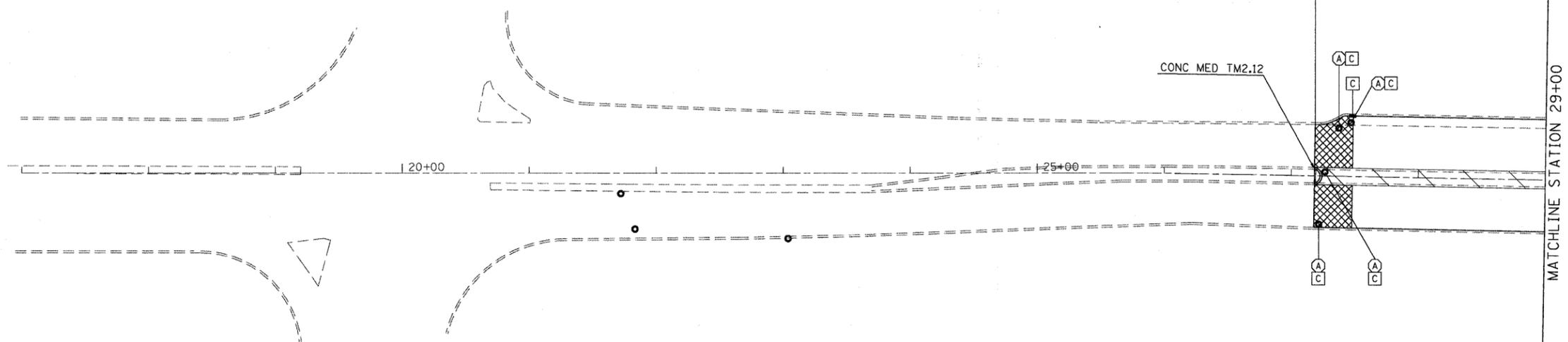
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(464Y & 465Y) RS-3	COOK	44	6
CONTRACT NO. 60166				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
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US 20 (LAKE STREET)



IMPROVEMENT BEGINS
STA. 27+18



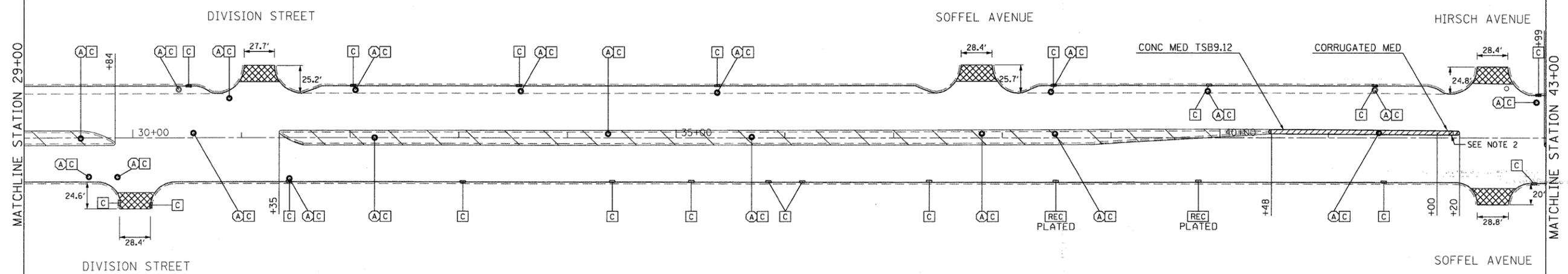
ROADWAY LEGEND

-  PROPOSED HMA SURFACE REMOVAL BUTT JOINT
SEE BUTT JOINTS AND HMA TAPER DETAILS (BD32)
-  PROPOSED PCC SURFACE REMOVAL BUTT JOINT
SEE BUTT JOINTS AND HMA TAPER DETAILS (BD32)
-  MEDIAN REMOVAL
-  MEDIAN REMOVAL (PARTIAL DEPTH)

DRAINAGE LEGEND

-  FRAMES AND GRATES TO BE ADJUSTED
-  STRUCTURE TO BE CLEANED
-  FRAME AND LID TO BE ADJUSTED
-  STRUCTURE TO BE RECONSTRUCTED
-  TELEPHONE-TO BE ADJUSTED BY OTHERS
-  COM ED-TO BE ADJUSTED BY OTHERS

PORTLAND CEMENT CONCRETE SURFACE REMOVAL, VAR. DEPTH (SEE NOTE 1)
RESURFACE WITH:
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 -3/4"
POLYMERIZED HMA SURFACE COURSE, MIX F, N90 (IL-9.5MM) -1 3/4"



NOTES

1. REFER TO TYPICAL SECTIONS FOR LOCATIONS AND DISTRICT ONE (BD33)
(HMA TAPER AT EDGE OF PCC PAVEMENT).
2. REBUILD EXISTING HANDHOLE TO HEAVY DUTY HANDHOLE.
3. REBUILD EXISTING HANDHOLE.

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 PLOT SCALE = 50.0000 / IN.
 USER NAME = Millennia Professional Services



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CHECKED -	TVN	REVISED -	
DATE	2/5/2010	REVISED -	

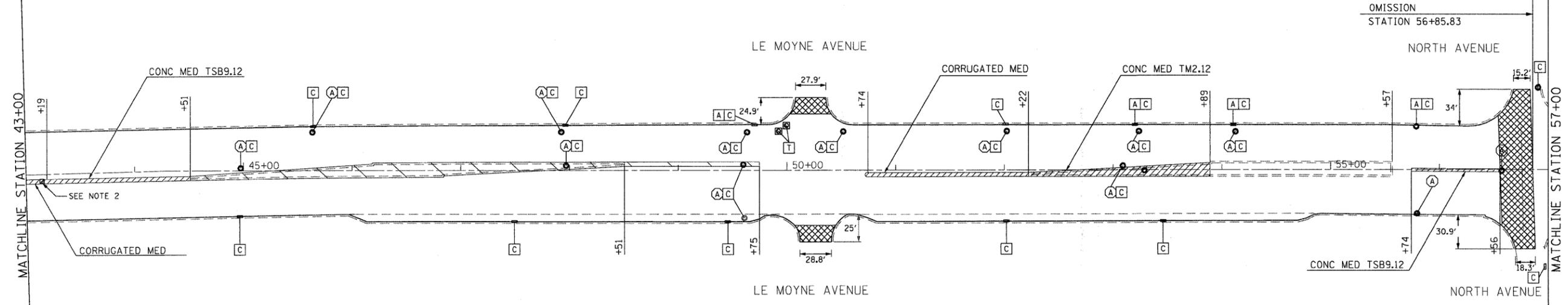
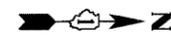
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RTE 12/45 BERTEAU AVE TO US RTE 20		ROADWAY PLAN	
SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. 27+18 TO STA. 43+00	

F.A.P. RTE. 330	SECTION (464Y & 465Y) RS-3	COUNTY COOK	TOTAL SHEETS 44	SHEET NO. 7
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60166	

PLN-01

PORTLAND CEMENT CONCRETE SURFACE REMOVAL, VAR. DEPTH (SEE NOTE 1)
 RESURFACE WITH:
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 -3/4"
 POLYMERIZED HMA SURFACE COURSE, MIX F, N90 (IL-9.5MM) -1 3/4"



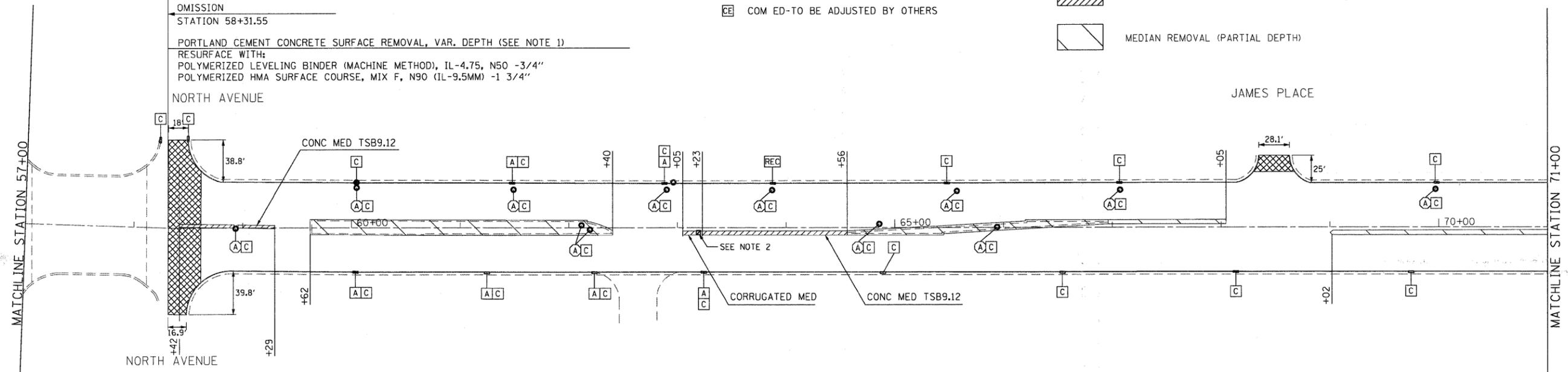
DRAINAGE LEGEND

- [A] FRAMES AND GRATES TO BE ADJUSTED
- [C] STRUCTURE TO BE CLEANED
- (A) FRAME AND LID TO BE ADJUSTED
- [REC] STRUCTURE TO BE RECONSTRUCTED
- [T] TELEPHONE-TO BE ADJUSTED BY OTHERS
- [CE] COM ED-TO BE ADJUSTED BY OTHERS

ROADWAY LEGEND

- [X] PROPOSED HMA SURFACE REMOVAL BUTT JOINT
SEE BUTT JOINTS AND HMA TAPER DETAILS (BD32)
- [Hatched] PROPOSED PCC SURFACE REMOVAL BUTT JOINT
SEE BUTT JOINTS AND HMA TAPER DETAILS (BD32)
- [Diagonal Lines] MEDIAN REMOVAL
- [Diagonal Lines] MEDIAN REMOVAL (PARTIAL DEPTH)

OMISSION
 STATION 58+31.55
 PORTLAND CEMENT CONCRETE SURFACE REMOVAL, VAR. DEPTH (SEE NOTE 1)
 RESURFACE WITH:
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 -3/4"
 POLYMERIZED HMA SURFACE COURSE, MIX F, N90 (IL-9.5MM) -1 3/4"



NOTES

1. REFER TO TYPICAL SECTIONS FOR LOCATIONS AND DISTRICT ONE (BD33)
(HMA TAPER AT EDGE OF PCC PAVEMENT).
2. REBUILD EXISTING HANDHOLE TO HEAVY DUTY HANDHOLE.
3. REBUILD EXISTING HANDHOLE.

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 PLOT SCALE = 50.0000 / IN.
 USER NAME = Millennium Professional Services

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DATE - 2/4/2010	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**US RTE 12/45
 BERTEAU AVE TO US RTE 20**

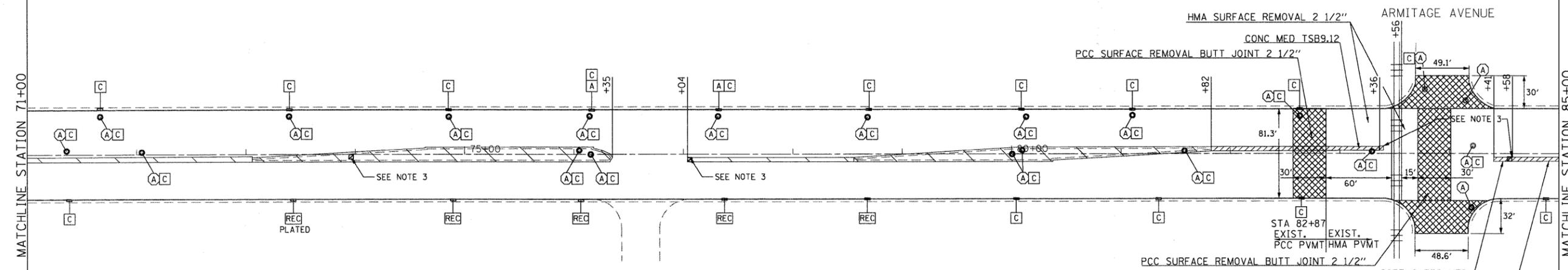
SCALE: 1"=50' SHEET NO. OF SHEETS STA. 43+00 TO STA. 71+00

F.A.P. RTE. 330	SECTION (464Y & 465Y) RS-3	COUNTY COOK	TOTAL SHEETS 44	SHEET NO. 8
CONTRACT NO. 60166				

PLN-02

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PORTLAND CEMENT CONCRETE SURFACE REMOVAL, VAR. DEPTH (SEE NOTE 1)
 RESURFACE WITH:
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 -3/4"
 POLYMERIZED HMA SURFACE COURSE, MIX F, N90 (IL-9.5MM) -1 3/4"



ROADWAY LEGEND

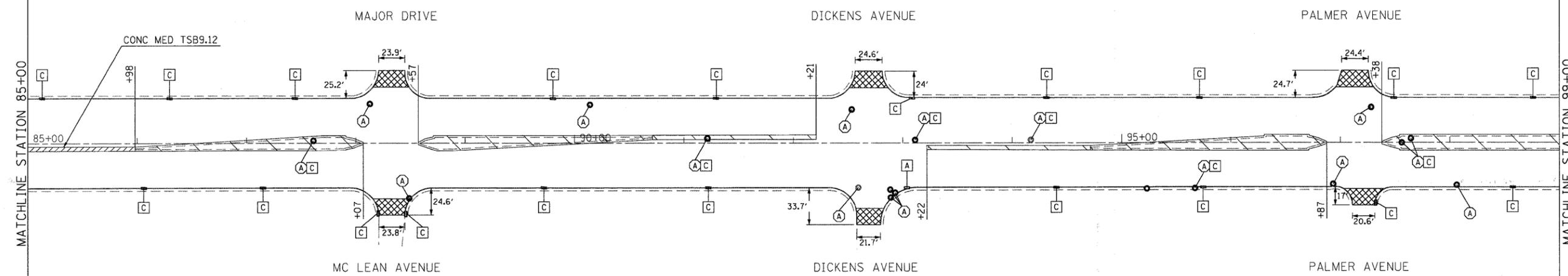
- PROPOSED HMA SURFACE REMOVAL BUTT JOINT
SEE BUTT JOINTS AND HMA TAPER DETAILS (BD32)
- PROPOSED PCC SURFACE REMOVAL BUTT JOINT
SEE BUTT JOINTS AND HMA TAPER DETAILS (BD32)
- MEDIAN REMOVAL
- MEDIAN REMOVAL (PARTIAL DEPTH)

DRAINAGE LEGEND

- A** FRAMES AND GRATES TO BE ADJUSTED
- C** STRUCTURE TO BE CLEANED
- A** FRAME AND LID TO BE ADJUSTED
- REC** STRUCTURE TO BE RECONSTRUCTED
- T** TELEPHONE-TO BE ADJUSTED BY OTHERS
- CE** COM ED-TO BE ADJUSTED BY OTHERS

NOTES

1. REFER TO TYPICAL SECTIONS FOR LOCATIONS AND DISTRICT ONE (BD33) (HMA TAPER AT EDGE OF PCC PAVEMENT).
2. REBUILD EXISTING HANDHOLE TO HEAVY DUTY HANDHOLE.
3. REBUILD EXISTING HANDHOLE.



FILE NAME = PA\2009\ME09006_Ver-Var-Phit\CADD\WOL\US45\Shas\0168166-ahd-drain-03.dgn
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 USER NAME = Millennium Professional Services



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DRAWN - CJD	REVISED -
CHECKED - TVN	REVISED -
DATE - 2/4/2010	REVISED -

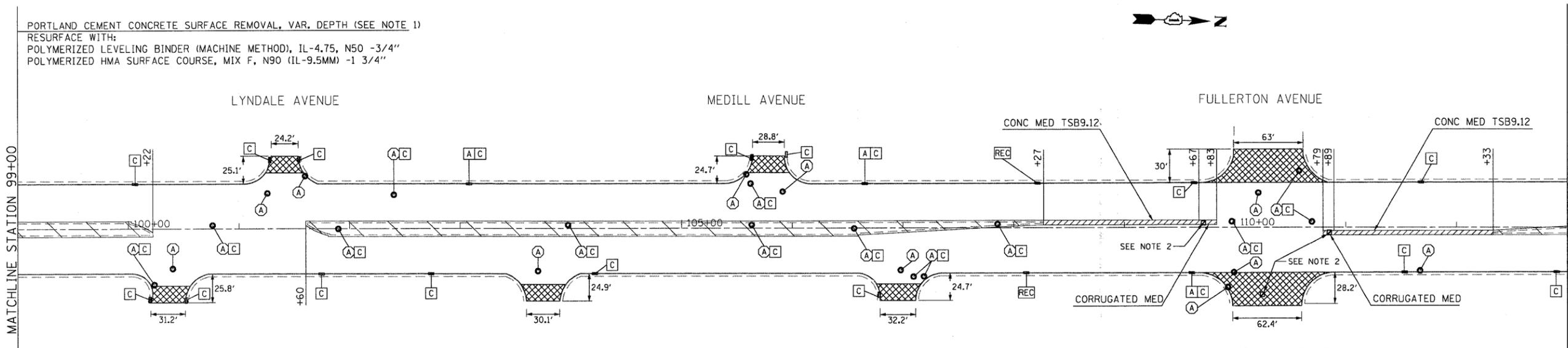
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

US RTE 12/45		ROADWAY PLAN	
BERTEAU AVE TO US RTE 20		STA. 71+00 TO STA. 99+00	
SCALE: 1"=50'	SHEET NO. OF SHEETS		

F.A.P. RTE. 330	SECTION (464Y & 465Y) RS-3	COUNTY COOK	TOTAL SHEETS 44	SHEET NO. 9
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60166	

PLN-03

PA\2009\ME09006_Ver-Var-Phit\CADD\WOL\US45\Shas\0168166-ahd-drain-03.dgn



PORTLAND CEMENT CONCRETE SURFACE REMOVAL, VAR. DEPTH (SEE NOTE 1)
 RESURFACE WITH:
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 -3/4"
 POLYMERIZED HMA SURFACE COURSE, MIX F, N90 (IL-9.5MM) -1 3/4"

ROADWAY LEGEND

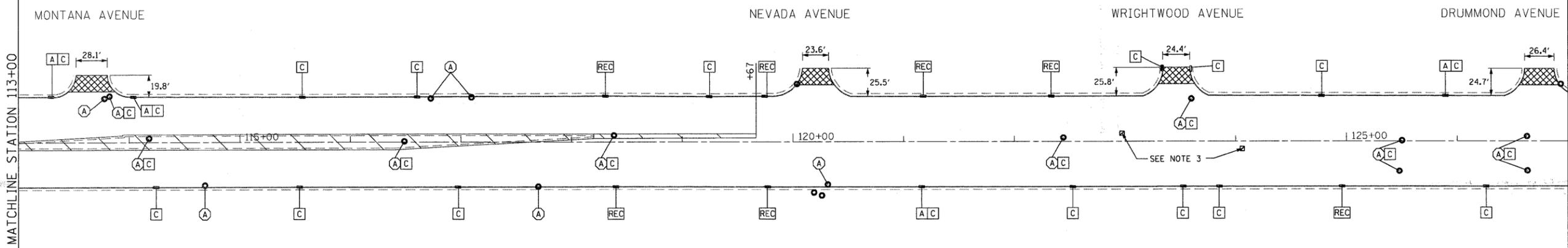
- PROPOSED HMA SURFACE REMOVAL BUTT JOINT
SEE BUTT JOINTS AND HMA TAPER DETAILS (B032)
- PROPOSED PCC SURFACE REMOVAL BUTT JOINT
SEE BUTT JOINTS AND HMA TAPER DETAILS (B032)
- MEDIAN REMOVAL
- MEDIAN REMOVAL (PARTIAL DEPTH)

DRAINAGE LEGEND

- FRAMES AND GRATES TO BE ADJUSTED
- STRUCTURE TO BE CLEANED
- FRAME AND LID TO BE ADJUSTED
- STRUCTURE TO BE RECONSTRUCTED
- TELEPHONE-TO BE ADJUSTED BY OTHERS
- COM ED-TO BE ADJUSTED BY OTHERS

NOTES

1. REFER TO TYPICAL SECTIONS FOR LOCATIONS AND DISTRICT ONE (B033)
(HMA TAPER AT EDGE OF PCC PAVEMENT).
2. REBUILD EXISTING HANDHOLE TO HEAVY DUTY HANDHOLE.
3. REBUILD EXISTING HANDHOLE.



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 USER NAME = Millennium Professional Services

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MILLENNIA PROFESSIONAL SERVICES

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DRAWN - CJD	REVISED -
CHECKED - TVN	REVISED -
DATE - 2/4/2010	REVISED -

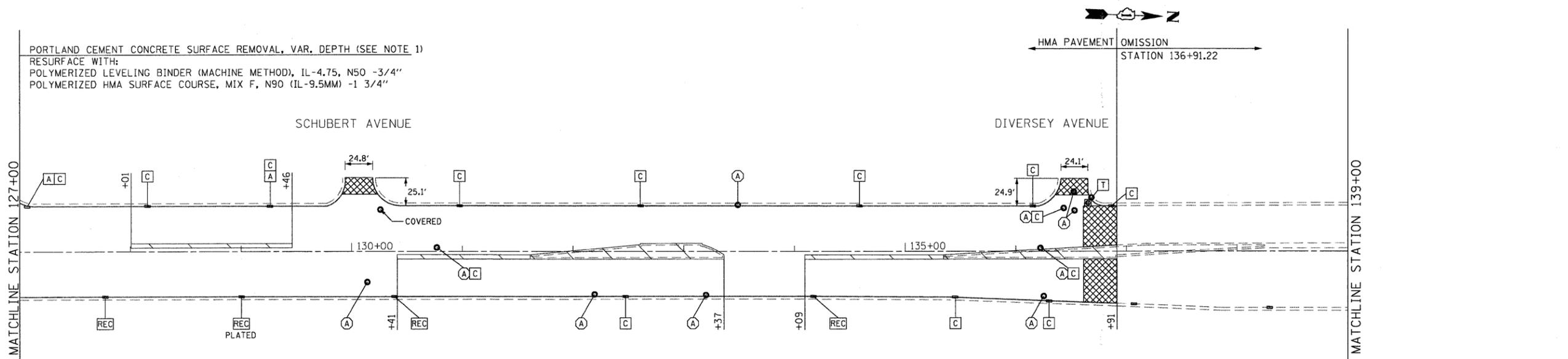
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RTE 12/45 BERTEAU AVE TO US RTE 20		ROADWAY PLAN	
SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. 99+00 TO STA. 127+00	

F.A.P. RTE. 330	SECTION (464Y & 465Y) RS-3	COUNTY COOK	TOTAL SHEETS 44	SHEET NO. 10
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60166	

PLN-04

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PORTLAND CEMENT CONCRETE SURFACE REMOVAL, VAR. DEPTH (SEE NOTE 1)
 RESURFACE WITH:
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 -3/4"
 POLYMERIZED HMA SURFACE COURSE, MIX F, N90 (IL-9.5MM) -1 3/4"

HMA PAVEMENT OMISSION
 STATION 136+91.22

ROADWAY LEGEND

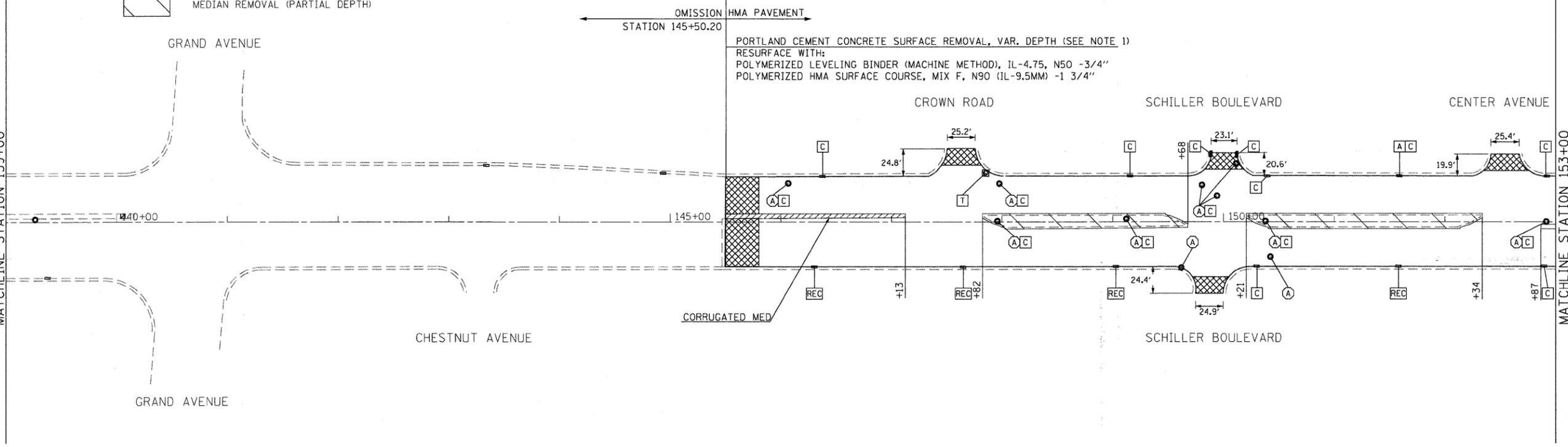
- PROPOSED HMA SURFACE REMOVAL BUTT JOINT
SEE BUTT JOINTS AND HMA TAPER DETAILS (BD32)
- PROPOSED PCC SURFACE REMOVAL BUTT JOINT
SEE BUTT JOINTS AND HMA TAPER DETAILS (BD32)
- MEDIAN REMOVAL
- MEDIAN REMOVAL (PARTIAL DEPTH)

DRAINAGE LEGEND

- A** FRAMES AND GRATES TO BE ADJUSTED
- C** STRUCTURE TO BE CLEANED
- A** FRAME AND LID TO BE ADJUSTED
- REC** STRUCTURE TO BE RECONSTRUCTED
- T** TELEPHONE-TO BE ADJUSTED BY OTHERS
- CE** COM ED-TO BE ADJUSTED BY OTHERS

NOTES

1. REFER TO TYPICAL SECTIONS FOR LOCATIONS AND DISTRICT ONE (BD33)
(HMA TAPER AT EDGE OF PCC PAVEMENT).
2. REBUILD EXISTING HANDHOLE TO HEAVY DUTY HANDHOLE.
3. REBUILD EXISTING HANDHOLE.



PORTLAND CEMENT CONCRETE SURFACE REMOVAL, VAR. DEPTH (SEE NOTE 1)
 RESURFACE WITH:
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 -3/4"
 POLYMERIZED HMA SURFACE COURSE, MIX F, N90 (IL-9.5MM) -1 3/4"

HMA PAVEMENT OMISSION
 STATION 145+50.20

CORRUGATED MED

FILE NAME = P:\2009\ME09006_Ver-Var_Plan\CAD\W01\US45\Shs\N160166-shr-draw-06.dgn
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DATE - 2/4/2010	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**US RTE 12/45
 BERTEAU AVE TO US RTE 20**

ROADWAY PLAN

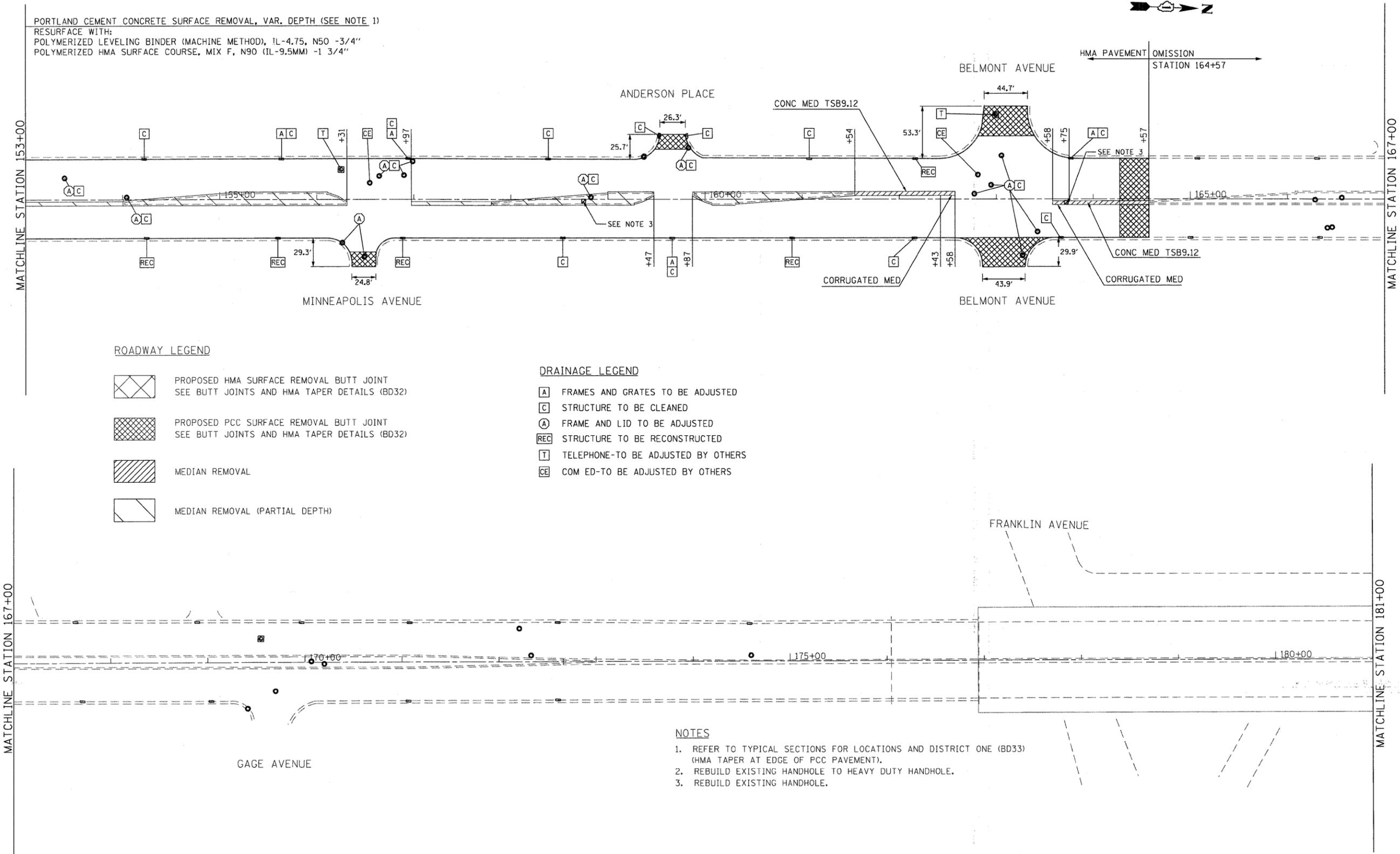
SCALE: 1"=100' SHEET NO. OF SHEETS STA. 127+00 TO STA. 153+00

F.A.P. RTE. 330	SECTION (464Y & 465Y) RS-3	COUNTY COOK	TOTAL SHEETS 44	SHEET NO. 11
CONTRACT NO. 60166				

PLN-05

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
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PORTLAND CEMENT CONCRETE SURFACE REMOVAL, VAR. DEPTH (SEE NOTE 1)
 RESURFACE WITH:
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), TL-4.75, N50 -3/4"
 POLYMERIZED HMA SURFACE COURSE, MIX F, N90 (IL-9.5MM) -1 3/4"



ROADWAY LEGEND

-  PROPOSED HMA SURFACE REMOVAL BUTT JOINT
SEE BUTT JOINTS AND HMA TAPER DETAILS (BD32)
-  PROPOSED PCC SURFACE REMOVAL BUTT JOINT
SEE BUTT JOINTS AND HMA TAPER DETAILS (BD32)
-  MEDIAN REMOVAL
-  MEDIAN REMOVAL (PARTIAL DEPTH)

DRAINAGE LEGEND

- A** FRAMES AND GRATES TO BE ADJUSTED
- C** STRUCTURE TO BE CLEANED
- A** FRAME AND LID TO BE ADJUSTED
- REC** STRUCTURE TO BE RECONSTRUCTED
- T** TELEPHONE-TO BE ADJUSTED BY OTHERS
- CE** COM ED-TO BE ADJUSTED BY OTHERS

NOTES

1. REFER TO TYPICAL SECTIONS FOR LOCATIONS AND DISTRICT ONE (BD33)
(HMA TAPER AT EDGE OF PCC PAVEMENT).
2. REBUILD EXISTING HANDHOLE TO HEAVY DUTY HANDHOLE.
3. REBUILD EXISTING HANDHOLE.

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DATE - 2/4/2010	REVISED -

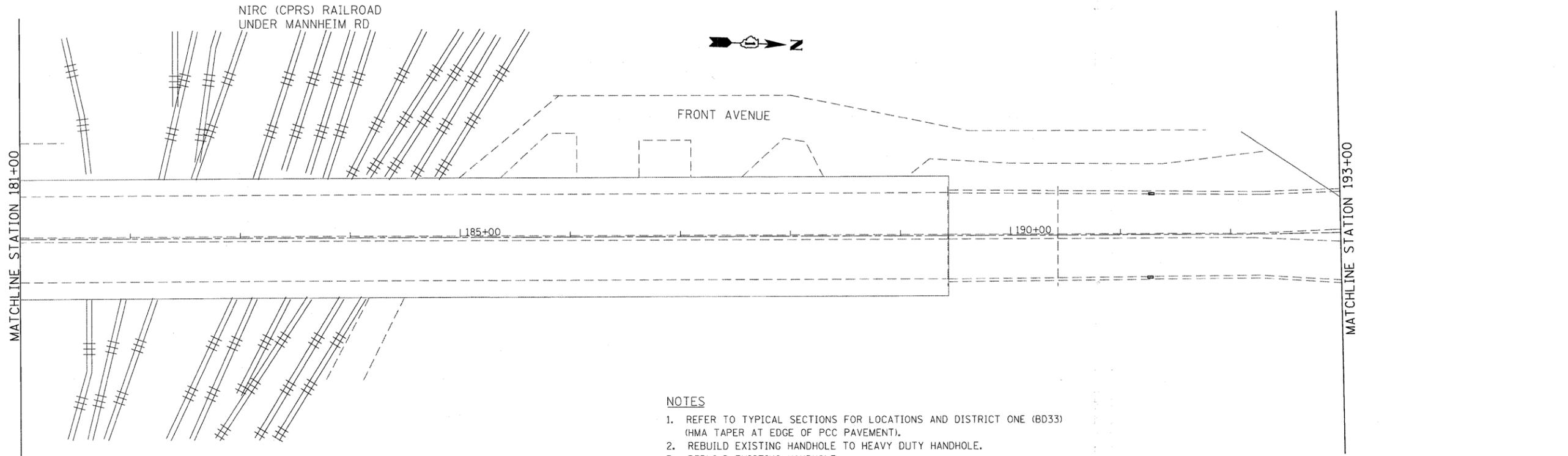
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RTE 12/45 BERTEAU AVE TO US RTE 20		ROADWAY PLAN	
SCALE: 1"=100'	SHEET NO. OF SHEETS	STA. 153+00 TO STA. 181+00	

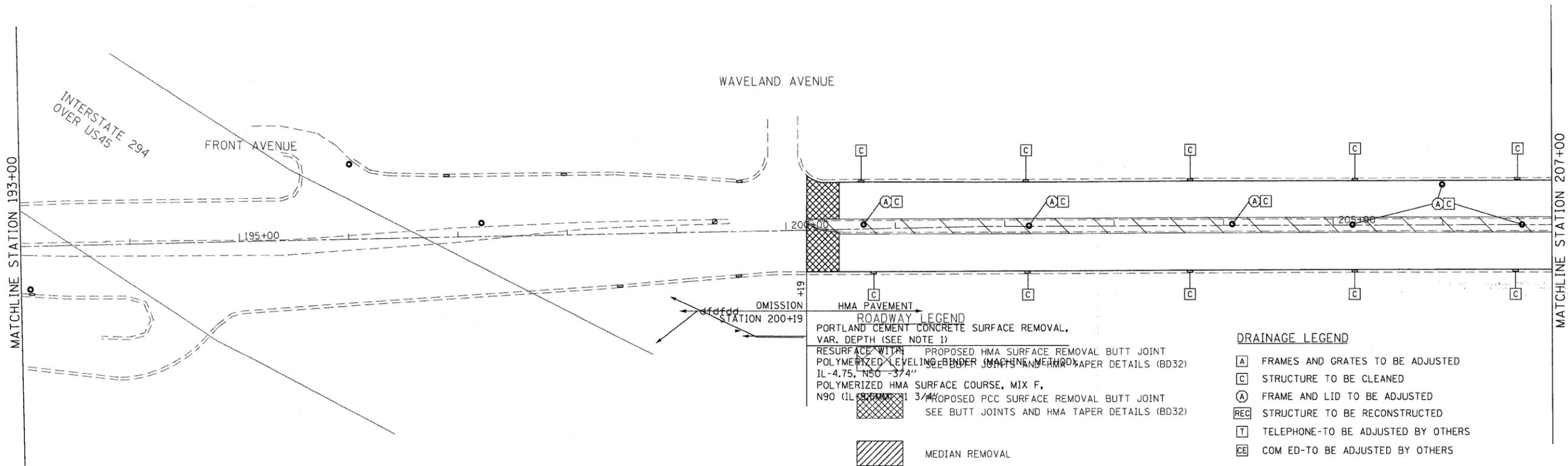
F.A.P. RTE. 330	SECTION (464Y & 465Y) RS-3	COUNTY COOK	TOTAL SHEETS 44	SHEET NO. 12
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60166	

PLN-06

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- NOTES**
1. REFER TO TYPICAL SECTIONS FOR LOCATIONS AND DISTRICT ONE (BD33) (HMA TAPER AT EDGE OF PCC PAVEMENT).
 2. REBUILD EXISTING HANDHOLE TO HEAVY DUTY HANDHOLE.
 3. REBUILD EXISTING HANDHOLE.



- ROADWAY LEGEND**
- [Hatched Box] PORTLAND CEMENT CONCRETE SURFACE REMOVAL, VAR. DEPTH (SEE NOTE 1)
 - [Diagonal Lines] RESURFACE WITH PROPOSED HMA SURFACE REMOVAL BUTT JOINT POLYMERIZED LEVING EBBER JACHTEN VETMO
 - [Diagonal Lines] POLYMERIZED HMA SURFACE COURSE, MIX F, N90 (IL 4.75, N50 - 374)
 - [Diagonal Lines] PROPOSED PCC SURFACE REMOVAL BUTT JOINT SEE BUTT JOINTS AND HMA TAPER DETAILS (BD32)
 - [Hatched Box] MEDIAN REMOVAL
 - [Diagonal Lines] MEDIAN REMOVAL (PARTIAL DEPTH)

- DRAINAGE LEGEND**
- [A] FRAMES AND GRATES TO BE ADJUSTED
 - [C] STRUCTURE TO BE CLEANED
 - [A] FRAME AND LID TO BE ADJUSTED
 - [REC] STRUCTURE TO BE RECONSTRUCTED
 - [T] TELEPHONE-TO BE ADJUSTED BY OTHERS
 - [CB] COM ED-TO BE ADJUSTED BY OTHERS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RTE 12/45
BERTEAU AVE TO US RTE 20
 SCALE: 1"=50' SHEET NO. OF SHEETS STA. 181+00 TO STA. 207+00

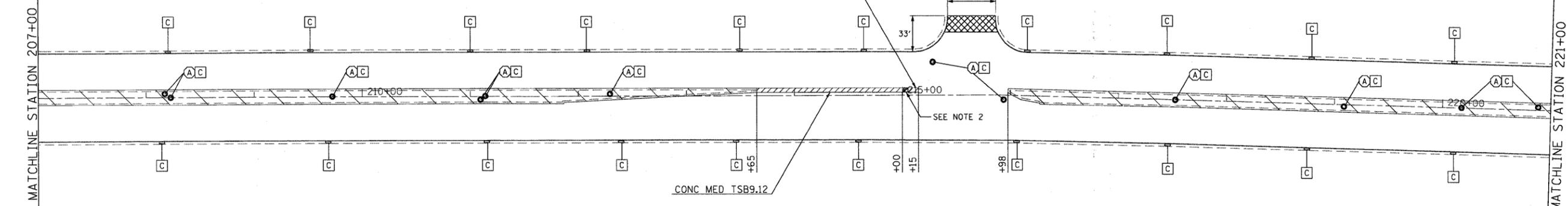
ROADWAY PLAN

F.A.P. RTE. 330	SECTION (464Y & 465Y) RS-3	COUNTY COOK	TOTAL SHEETS 44	SHEET NO. 13
CONTRACT NO. 60166				

PLN-07

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PORTLAND CEMENT CONCRETE SURFACE REMOVAL, VAR. DEPTH (SEE NOTE 1)
 RESURFACE WITH:
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 -3/4"
 POLYMERIZED HMA SURFACE COURSE, MIX F, N90 (IL-9.5MM) -1 3/4"



ROADWAY LEGEND

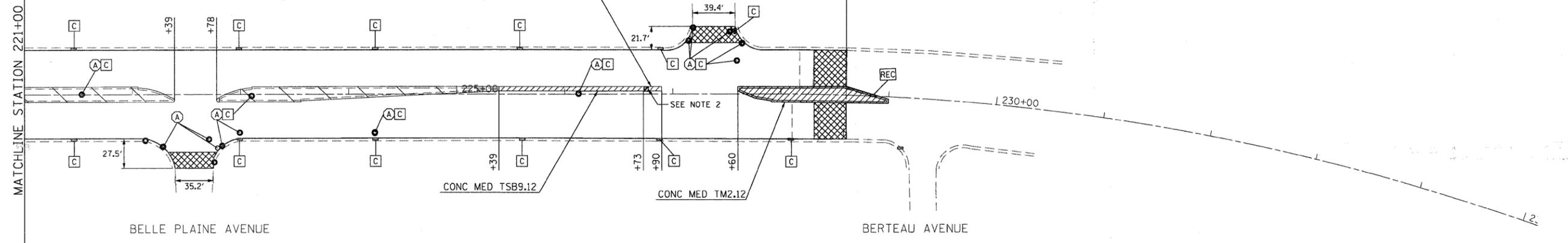
-  PROPOSED HMA SURFACE REMOVAL BUTT JOINT
SEE BUTT JOINTS AND HMA TAPER DETAILS (BD32)
-  PROPOSED PCC SURFACE REMOVAL BUTT JOINT
SEE BUTT JOINTS AND HMA TAPER DETAILS (BD32)
-  MEDIAN REMOVAL
-  MEDIAN REMOVAL (PARTIAL DEPTH)

DRAINAGE LEGEND

-  FRAMES AND GRATES TO BE ADJUSTED
-  STRUCTURE TO BE CLEANED
-  FRAME AND LID TO BE ADJUSTED
-  STRUCTURE TO BE RECONSTRUCTED
-  TELEPHONE-TO BE ADJUSTED BY OTHERS
-  COM ED-TO BE ADJUSTED BY OTHERS

NOTES

1. REFER TO TYPICAL SECTIONS FOR LOCATIONS AND DISTRICT ONE (BD33)
(HMA TAPER AT EDGE OF PCC PAVEMENT).
2. REBUILD EXISTING HANDHOLE TO HEAVY DUTY HANDHOLE.
3. REBUILD EXISTING HANDHOLE.



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DATE - 2/4/2010	REVISED -

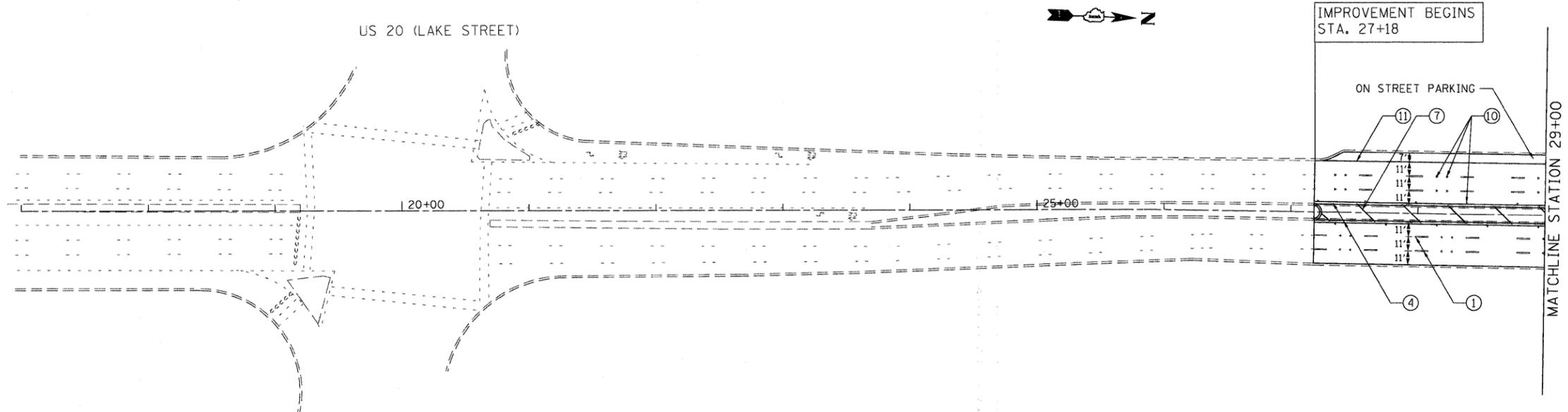
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RTE 12/45
BERTEAU AVE TO US RTE 20
 SCALE: 1"=50' SHEET NO. OF SHEETS STA. 181+00 TO STA. 228+60

F.A.P. RTE. 330	SECTION (464Y & 465Y) RS-3	COUNTY COOK	TOTAL SHEETS 44	SHEET NO. 14
CONTRACT NO. 60166				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

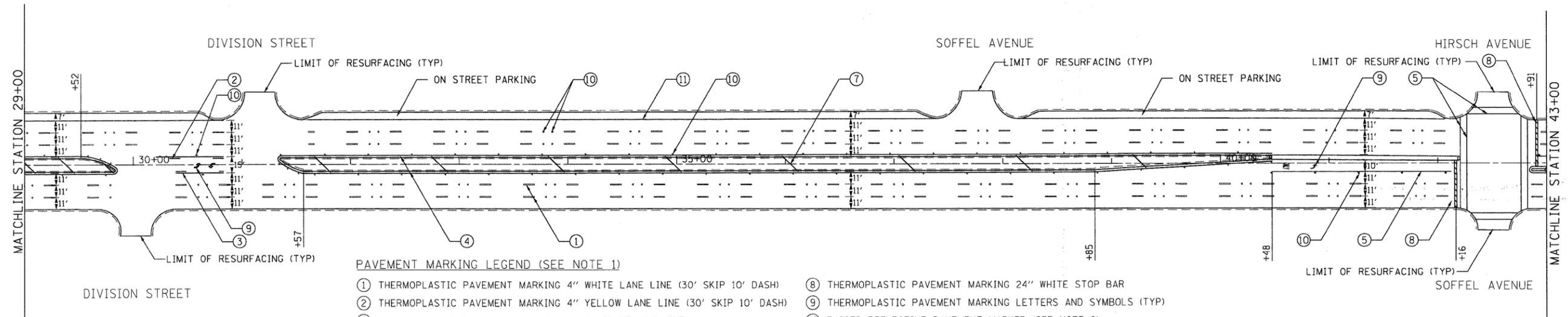
PLN-08

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NOTES:

1. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
2. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.



PAVEMENT MARKING LEGEND (SEE NOTE 1)

- | | |
|--|--|
| ① THERMOPLASTIC PAVEMENT MARKING 4" WHITE LANE LINE (30' SKIP 10' DASH) | ⑧ THERMOPLASTIC PAVEMENT MARKING 24" WHITE STOP BAR |
| ② THERMOPLASTIC PAVEMENT MARKING 4" YELLOW LANE LINE (30' SKIP 10' DASH) | ⑨ THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (TYP) |
| ③ THERMOPLASTIC PAVEMENT MARKING 4" SOLID YELLOW LINE | ⑩ RAISED REFLECTIVE PAVEMENT MARKER (SEE NOTE 2) |
| ④ THERMOPLASTIC PAVEMENT MARKING 4" DOUBLE YELLOW LINE 11" C-C | ⑪ THERMOPLASTIC PAVEMENT MARKING 4" WHITE EDGE LINE |
| ⑤ THERMOPLASTIC PAVEMENT MARKING 6" WHITE LINE | ⑫ THERMOPLASTIC PAVEMENT MARKING 8" WHITE LINE |
| ⑥ THERMOPLASTIC PAVEMENT MARKING 12" WHITE LINE | ⑬ THERMOPLASTIC PAVEMENT MARKING 24" WHITE LINE |
| ⑦ THERMOPLASTIC PAVEMENT MARKING 12" DIAGONAL YELLOW LINE | |

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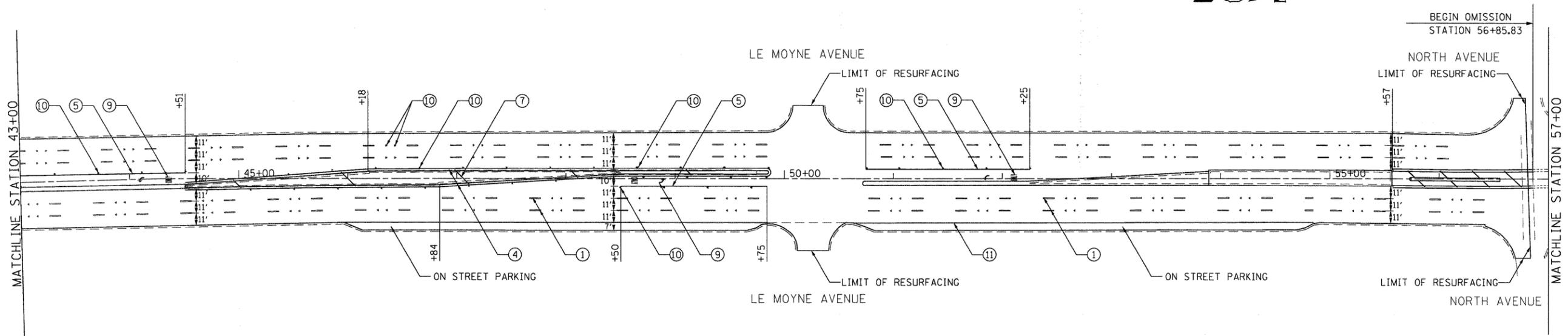
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RTE 12/45
BERTEAU AVE TO US RTE 20
PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 27+18 TO STA. 43+00

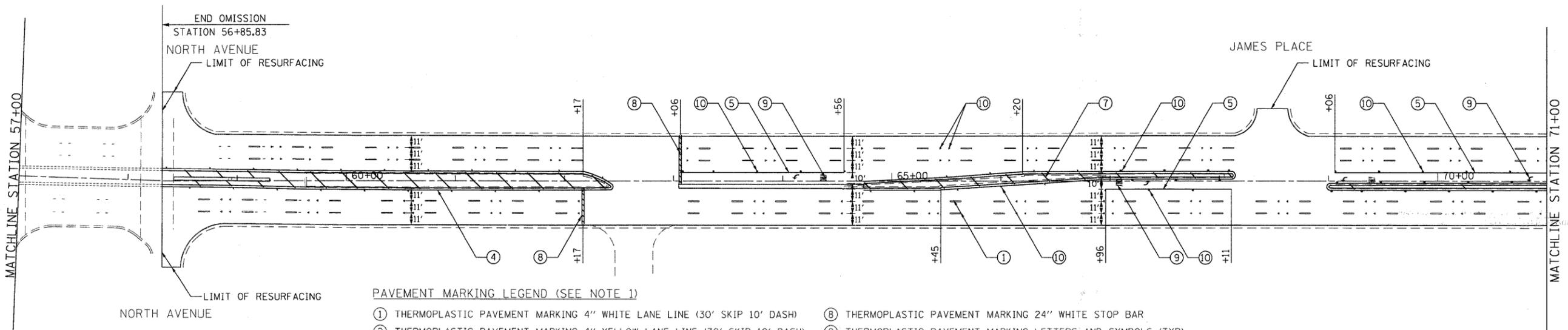
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(464Y & 465Y) RS-3	COOK	44	15
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60166	

PMK-01



NOTES:

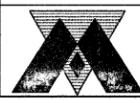
1. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
2. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.



PAVEMENT MARKING LEGEND (SEE NOTE 1)

- | | |
|--|--|
| ① THERMOPLASTIC PAVEMENT MARKING 4" WHITE LANE LINE (30' SKIP 10' DASH) | ⑧ THERMOPLASTIC PAVEMENT MARKING 24" WHITE STOP BAR |
| ② THERMOPLASTIC PAVEMENT MARKING 4" YELLOW LANE LINE (30' SKIP 10' DASH) | ⑨ THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (TYP) |
| ③ THERMOPLASTIC PAVEMENT MARKING 4" SOLID YELLOW LINE | ⑩ RAISED REFLECTIVE PAVEMENT MARKER (SEE NOTE 2) |
| ④ THERMOPLASTIC PAVEMENT MARKING 4" DOUBLE YELLOW LINE 11" C-C | ⑪ THERMOPLASTIC PAVEMENT MARKING 4" WHITE EDGE LINE |
| ⑤ THERMOPLASTIC PAVEMENT MARKING 6" WHITE LINE | ⑫ THERMOPLASTIC PAVEMENT MARKING 8" WHITE LINE |
| ⑥ THERMOPLASTIC PAVEMENT MARKING 12" WHITE LINE | ⑬ THERMOPLASTIC PAVEMENT MARKING 24" WHITE LINE |
| ⑦ THERMOPLASTIC PAVEMENT MARKING 12" DIAGONAL YELLOW LINE | |

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 USER NAME = Millennium Professional Services



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DATE - 2/5/2010	REVISED -

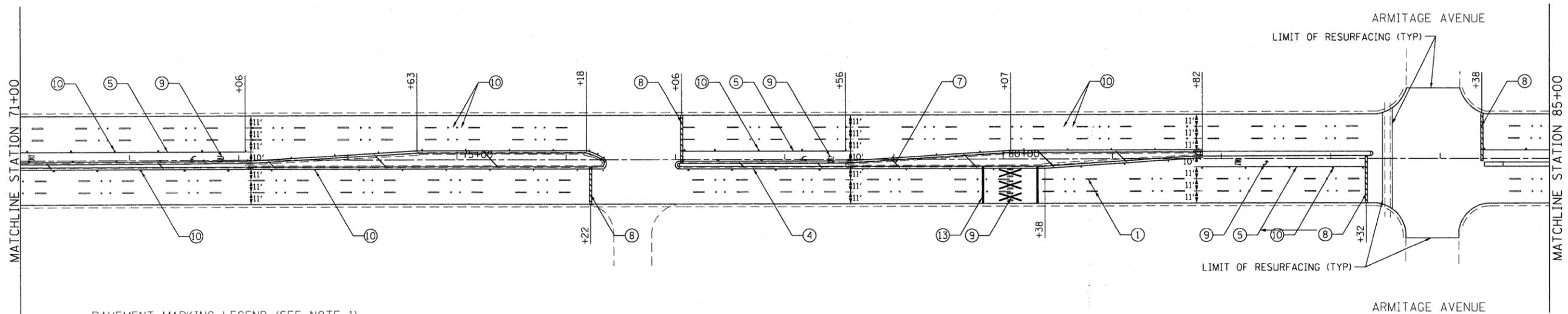
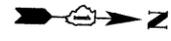
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RTE 12/45
BERTEAU AVE TO US RTE 20
PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 43+00 TO STA. 71+00

F.A.P. RTE. 330	SECTION (464Y & 465Y) RS-3	COUNTY COOK	TOTAL SHEETS 44	SHEET NO. 16
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60166	

PMK-02

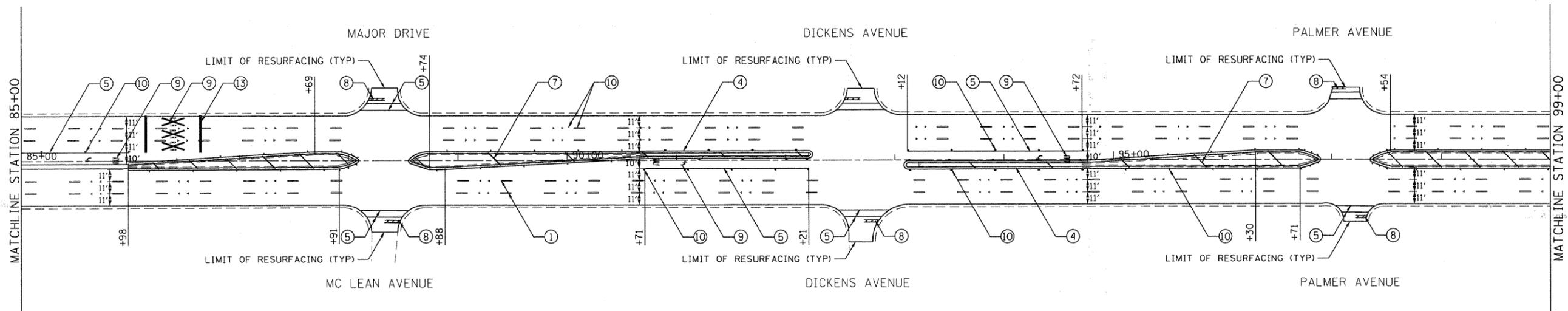


PAVEMENT MARKING LEGEND (SEE NOTE 1)

- | | |
|--|--|
| ① THERMOPLASTIC PAVEMENT MARKING 4" WHITE LANE LINE (30' SKIP 10' DASH) | ⑧ THERMOPLASTIC PAVEMENT MARKING 24" WHITE STOP BAR |
| ② THERMOPLASTIC PAVEMENT MARKING 4" YELLOW LANE LINE (30' SKIP 10' DASH) | ⑨ THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (TYP) |
| ③ THERMOPLASTIC PAVEMENT MARKING 4" SOLID YELLOW LINE | ⑩ RAISED REFLECTIVE PAVEMENT MARKER (SEE NOTE 2) |
| ④ THERMOPLASTIC PAVEMENT MARKING 4" DOUBLE YELLOW LINE 11" C-C | ⑪ THERMOPLASTIC PAVEMENT MARKING 4" WHITE EDGE LINE |
| ⑤ THERMOPLASTIC PAVEMENT MARKING 6" WHITE LINE | ⑫ THERMOPLASTIC PAVEMENT MARKING 8" WHITE LINE |
| ⑥ THERMOPLASTIC PAVEMENT MARKING 12" WHITE LINE | ⑬ THERMOPLASTIC PAVEMENT MARKING 24" WHITE LINE |
| ⑦ THERMOPLASTIC PAVEMENT MARKING 12" DIAGONAL YELLOW LINE | |

NOTES:

- REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
- REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.



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 USER NAME = Millennium Professional Services



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DATE - 2/5/2010	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

US RTE 12/45
 BERTEAU AVE TO US RTE 20

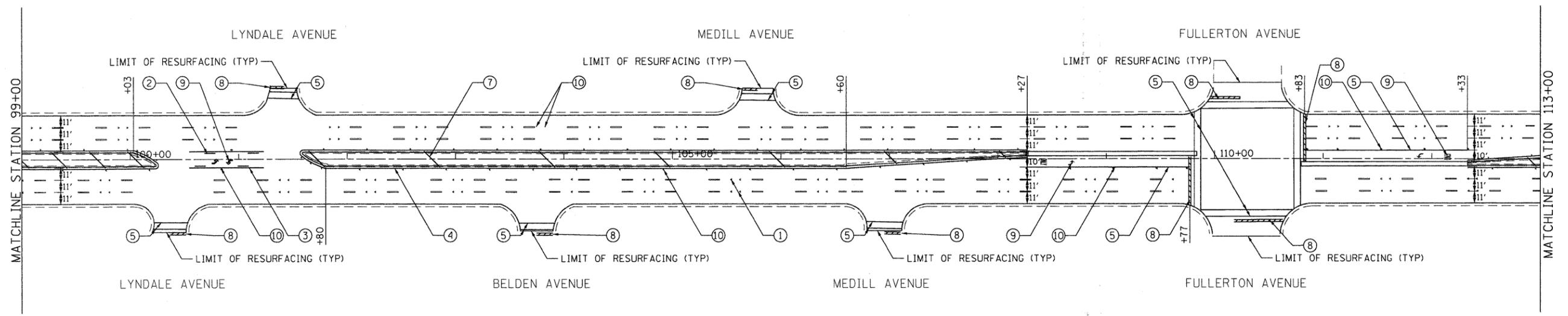
PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 71+00 TO STA. 99+00

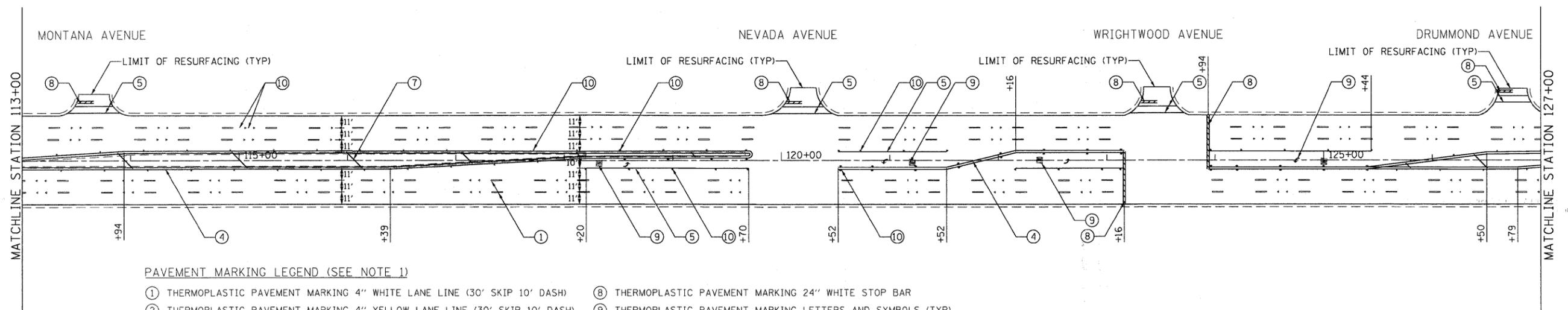
F.A.P. RTE. 330	SECTION (464Y & 465Y) RS-3	COUNTY COOK	TOTAL SHEETS 44	SHEET NO. 17
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		CONTRACT NO. 60166		

PMK-03

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- NOTES:
1. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
 2. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.



PAVEMENT MARKING LEGEND (SEE NOTE 1)

- | | |
|--|--|
| ① THERMOPLASTIC PAVEMENT MARKING 4" WHITE LANE LINE (30' SKIP 10' DASH) | ⑧ THERMOPLASTIC PAVEMENT MARKING 24" WHITE STOP BAR |
| ② THERMOPLASTIC PAVEMENT MARKING 4" YELLOW LANE LINE (30' SKIP 10' DASH) | ⑨ THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (TYP) |
| ③ THERMOPLASTIC PAVEMENT MARKING 4" SOLID YELLOW LINE | ⑩ RAISED REFLECTIVE PAVEMENT MARKER (SEE NOTE 2) |
| ④ THERMOPLASTIC PAVEMENT MARKING 4" DOUBLE YELLOW LINE 11" C-C | ⑪ THERMOPLASTIC PAVEMENT MARKING 4" WHITE EDGE LINE |
| ⑤ THERMOPLASTIC PAVEMENT MARKING 6" WHITE LINE | ⑫ THERMOPLASTIC PAVEMENT MARKING 8" WHITE LINE |
| ⑥ THERMOPLASTIC PAVEMENT MARKING 12" WHITE LINE | ⑬ THERMOPLASTIC PAVEMENT MARKING 24" WHITE LINE |
| ⑦ THERMOPLASTIC PAVEMENT MARKING 12" DIAGONAL YELLOW LINE | |

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DATE - 2/5/2010	REVISED -

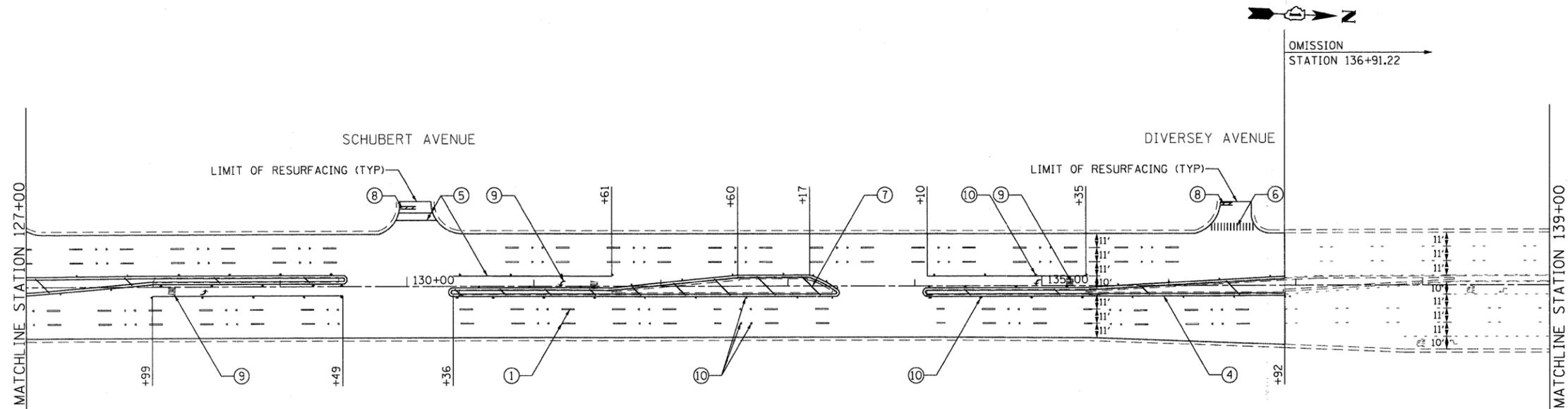
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RTE 12/45
BERTEAU AVE TO US RTE 20
PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 99+00 TO STA. 127+00

F.A.P. RTE. 330	SECTION (464Y & 465Y) RS-3	COUNTY COOK	TOTAL SHEETS 44	SHEET NO. 18
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60166	

PMK-04

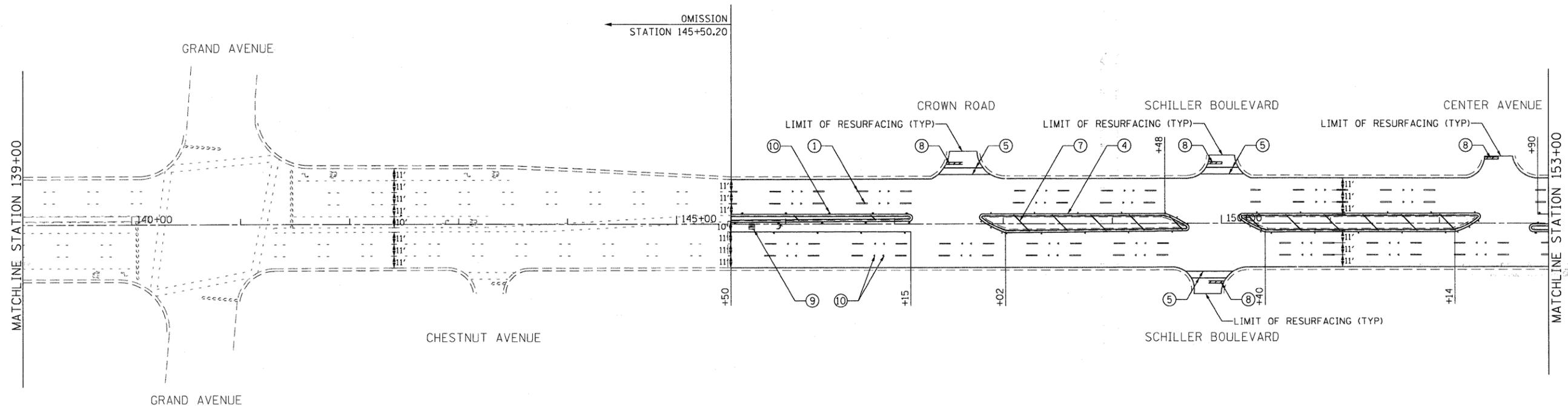


PAVEMENT MARKING LEGEND (SEE NOTE 1)

- | | |
|--|--|
| ① THERMOPLASTIC PAVEMENT MARKING 4" WHITE LANE LINE (30' SKIP 10' DASH) | ⑧ THERMOPLASTIC PAVEMENT MARKING 24" WHITE STOP BAR |
| ② THERMOPLASTIC PAVEMENT MARKING 4" YELLOW LANE LINE (30' SKIP 10' DASH) | ⑨ THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (TYP) |
| ③ THERMOPLASTIC PAVEMENT MARKING 4" SOLID YELLOW LINE | ⑩ RAISED REFLECTIVE PAVEMENT MARKER (SEE NOTE 2) |
| ④ THERMOPLASTIC PAVEMENT MARKING 4" DOUBLE YELLOW LINE 11" C-C | ⑪ THERMOPLASTIC PAVEMENT MARKING 4" WHITE EDGE LINE |
| ⑤ THERMOPLASTIC PAVEMENT MARKING 6" WHITE LINE | ⑫ THERMOPLASTIC PAVEMENT MARKING 8" WHITE LINE |
| ⑥ THERMOPLASTIC PAVEMENT MARKING 12" WHITE LINE | ⑬ THERMOPLASTIC PAVEMENT MARKING 24" WHITE LINE |
| ⑦ THERMOPLASTIC PAVEMENT MARKING 12" DIAGONAL YELLOW LINE | |

NOTES:

1. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
2. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.



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 USER NAME = Millennia Professional Services



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DRAWN - CJD	REVISED -
CHECKED - TVN	REVISED -
DATE - 2/5/2010	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

US RTE 12/45
 BERTEAU AVE TO US RTE 20

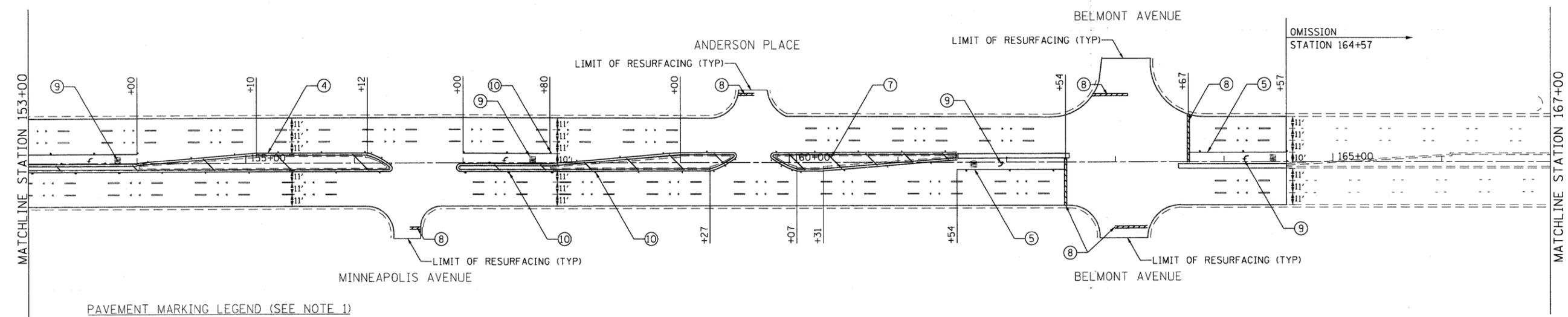
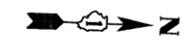
PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 127+00 TO STA. 153+00

F.A.P. RTE. 330	SECTION (464Y & 465Y) RS-3	COUNTY COOK	TOTAL SHEETS 44	SHEET NO. 19
CONTRACT NO. 60166				

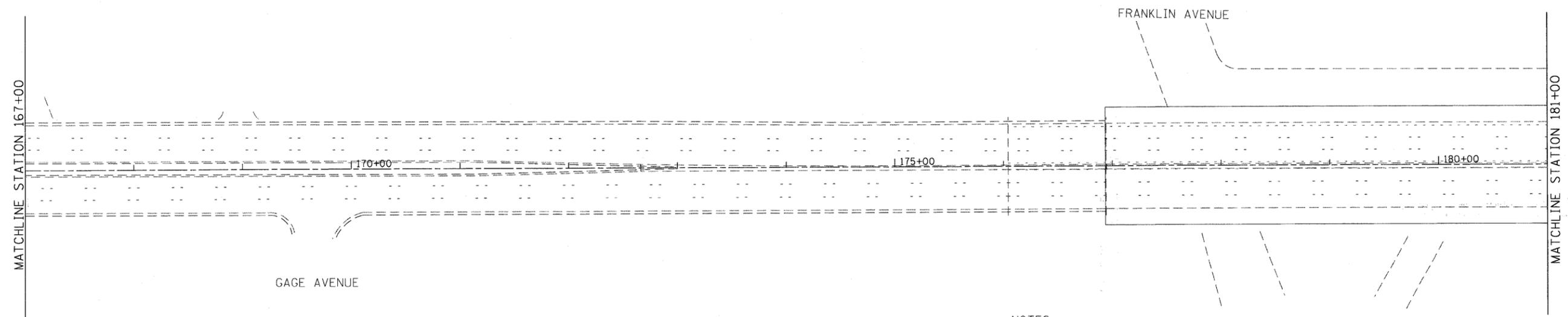
PMK-05

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
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PAVEMENT MARKING LEGEND (SEE NOTE 1)

- | | |
|--|--|
| ① THERMOPLASTIC PAVEMENT MARKING 4" WHITE LANE LINE (30' SKIP 10' DASH) | ⑧ THERMOPLASTIC PAVEMENT MARKING 24" WHITE STOP BAR |
| ② THERMOPLASTIC PAVEMENT MARKING 4" YELLOW LANE LINE (30' SKIP 10' DASH) | ⑨ THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (TYP) |
| ③ THERMOPLASTIC PAVEMENT MARKING 4" SOLID YELLOW LINE | ⑩ RAISED REFLECTIVE PAVEMENT MARKER (SEE NOTE 2) |
| ④ THERMOPLASTIC PAVEMENT MARKING 4" DOUBLE YELLOW LINE 11" C-C | ⑪ THERMOPLASTIC PAVEMENT MARKING 4" WHITE EDGE LINE |
| ⑤ THERMOPLASTIC PAVEMENT MARKING 6" WHITE LINE | ⑫ THERMOPLASTIC PAVEMENT MARKING 8" WHITE LINE |
| ⑥ THERMOPLASTIC PAVEMENT MARKING 12" WHITE LINE | ⑬ THERMOPLASTIC PAVEMENT MARKING 24" WHITE LINE |
| ⑦ THERMOPLASTIC PAVEMENT MARKING 12" DIAGONAL YELLOW LINE | |



NOTES:

- REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
- REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.

FILE NAME = P:\2009\ME090806.Var\Var PHIN\CADD\W01.US45\Shis\16168166-akt-pmk-06.dgn
 PLOT SCALE = 50.0000 / IN.
 USER NAME = Millennia Professional Services



200 22ND Street, Suite 216, Lombard, IL 60148
 630.705.9110 voice, 630.839.3566 fax
 WWW.MPS-IL.COM
MILLENNIA PROFESSIONAL SERVICES

DESIGNED	CJD	REVISED	-
DRAWN	CJD	REVISED	-
CHECKED	TVN	REVISED	-
DATE	2/5/2010	REVISED	-

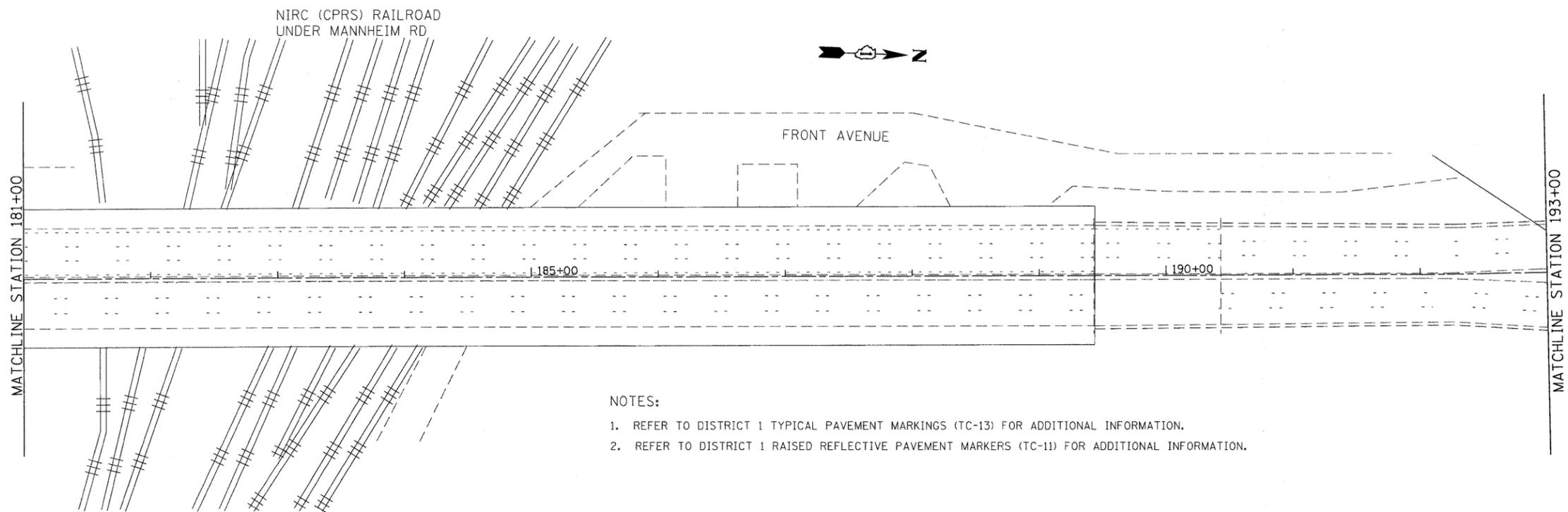
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RTE 12/45 BERTEAU AVE TO US RTE 20		PAVEMENT MARKING PLAN	
SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. 153+00 TO STA. 181+00	

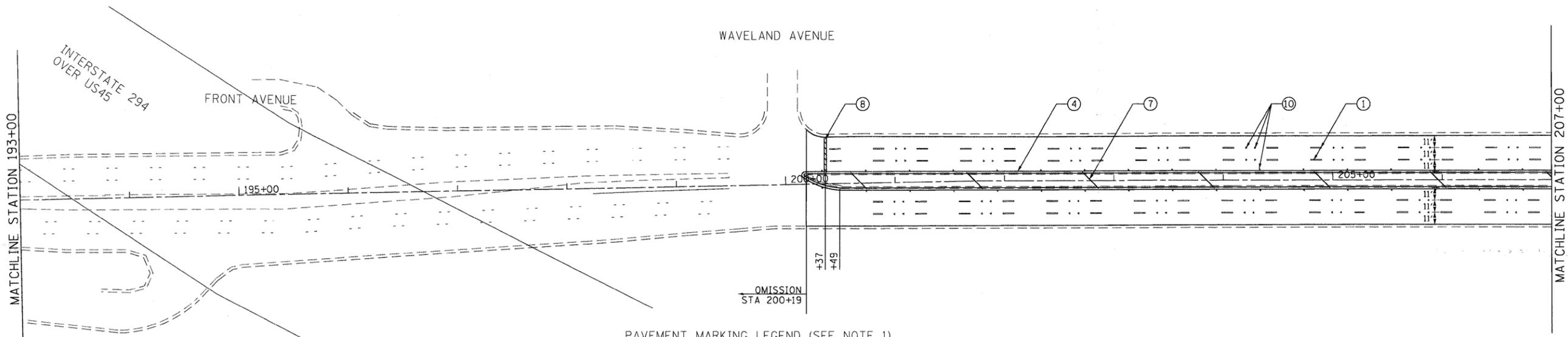
F.A.P. RTE. 330	SECTION (464Y & 465Y) RS-3	COUNTY COOK	TOTAL SHEETS 44	SHEET NO. 20
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60166	

PMK-06

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- NOTES:
1. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
 2. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.



- PAVEMENT MARKING LEGEND (SEE NOTE 1)
- | | |
|--|--|
| ① THERMOPLASTIC PAVEMENT MARKING 4" WHITE LANE LINE (30' SKIP 10' DASH) | ⑧ THERMOPLASTIC PAVEMENT MARKING 24" WHITE STOP BAR |
| ② THERMOPLASTIC PAVEMENT MARKING 4" YELLOW LANE LINE (30' SKIP 10' DASH) | ⑨ THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (TYP) |
| ③ THERMOPLASTIC PAVEMENT MARKING 4" SOLID YELLOW LINE | ⑩ RAISED REFLECTIVE PAVEMENT MARKER (SEE NOTE 2) |
| ④ THERMOPLASTIC PAVEMENT MARKING 4" DOUBLE YELLOW LINE 11" C-C | ⑪ THERMOPLASTIC PAVEMENT MARKING 4" WHITE EDGE LINE |
| ⑤ THERMOPLASTIC PAVEMENT MARKING 6" WHITE LINE | ⑫ THERMOPLASTIC PAVEMENT MARKING 8" WHITE LINE |
| ⑥ THERMOPLASTIC PAVEMENT MARKING 12" WHITE LINE | ⑬ THERMOPLASTIC PAVEMENT MARKING 24" WHITE LINE |
| ⑦ THERMOPLASTIC PAVEMENT MARKING 12" DIAGONAL YELLOW LINE | |

FILE NAME = P:\2009\ME09006_Ver-Yer-Phit\CADD\W01_US45\Sta\181666-ahf-pmk-07.dgn
 PLOT SCALE = 50.0000 / IN.
 USER NAME = Millennia Professional Services

200 22ND Street, Suite 216, Lombard, IL 60148
 630.785.9119 voice, 630.839.2566 fax
 WWW.MPS-IL.COM
MILLENNIA PROFESSIONAL SERVICES

DESIGNED -	CJD	REVISED -	
DRAWN -	CJD	REVISED -	
CHECKED -	TVN	REVISED -	
DATE -	2/5/2010	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

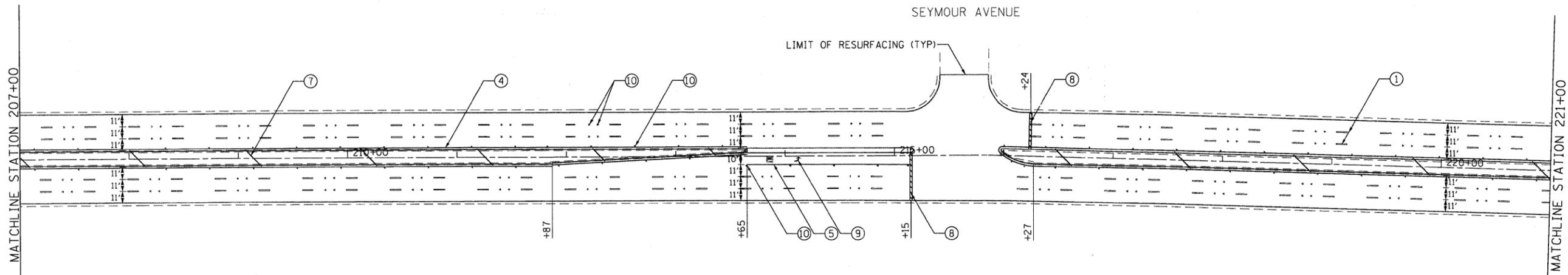
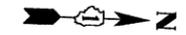
US RTE 12/45
BERTEAU AVE TO US RTE 20
PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 181+00 TO STA. 207+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(464Y & 465Y) RS-3	COOK	44	21
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60166	

PMK-07

P:\2009\ME09006_Ver-Yer-Phit\CADD\W01_US45\Sta\181666-ahf-pmk-07.dgn

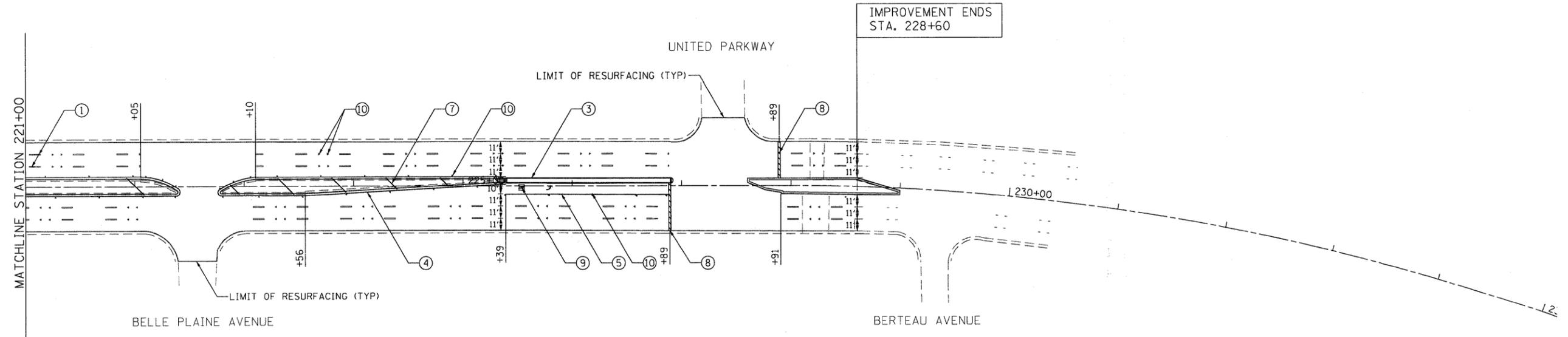


PAVEMENT MARKING LEGEND (SEE NOTE 1)

- | | |
|--|--|
| ① THERMOPLASTIC PAVEMENT MARKING 4" WHITE LANE LINE (30' SKIP 10' DASH) | ⑧ THERMOPLASTIC PAVEMENT MARKING 24" WHITE STOP BAR |
| ② THERMOPLASTIC PAVEMENT MARKING 4" YELLOW LANE LINE (30' SKIP 10' DASH) | ⑨ THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS (TYP) |
| ③ THERMOPLASTIC PAVEMENT MARKING 4" SOLID YELLOW LINE | ⑩ RAISED REFLECTIVE PAVEMENT MARKER (SEE NOTE 2) |
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| ⑥ THERMOPLASTIC PAVEMENT MARKING 12" WHITE LINE | ⑬ THERMOPLASTIC PAVEMENT MARKING 24" WHITE LINE |
| ⑦ THERMOPLASTIC PAVEMENT MARKING 12" DIAGONAL YELLOW LINE | |

NOTES:

- REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
- REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.



FILE NAME = P:\2009\ME09006.Var-Var-Ph1\CADD\W01.US45\Shets\120166-akt-pmk-08.dgn
 PLOT SCALE = 50.0000 / IN.
 USER NAME = Millennia Professional Services



200 22ND Street, Suite 216, Lombard, IL 60148
 630.785.0110 voice, 630.839.1566 fax
 WWW.MPS-IL.COM
MILLENNIA PROFESSIONAL SERVICES

DESIGNED - CJD	REVISED -
DRAWN - CJD	REVISED -
CHECKED - TVN	REVISED -
DATE - 2/5/2010	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RTE 12/45
BERTEAU AVE TO US RTE 20

PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 207+00 TO STA. 228+60

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(464Y & 465Y) RS-3	COOK	44	22
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60166	

PMK-08

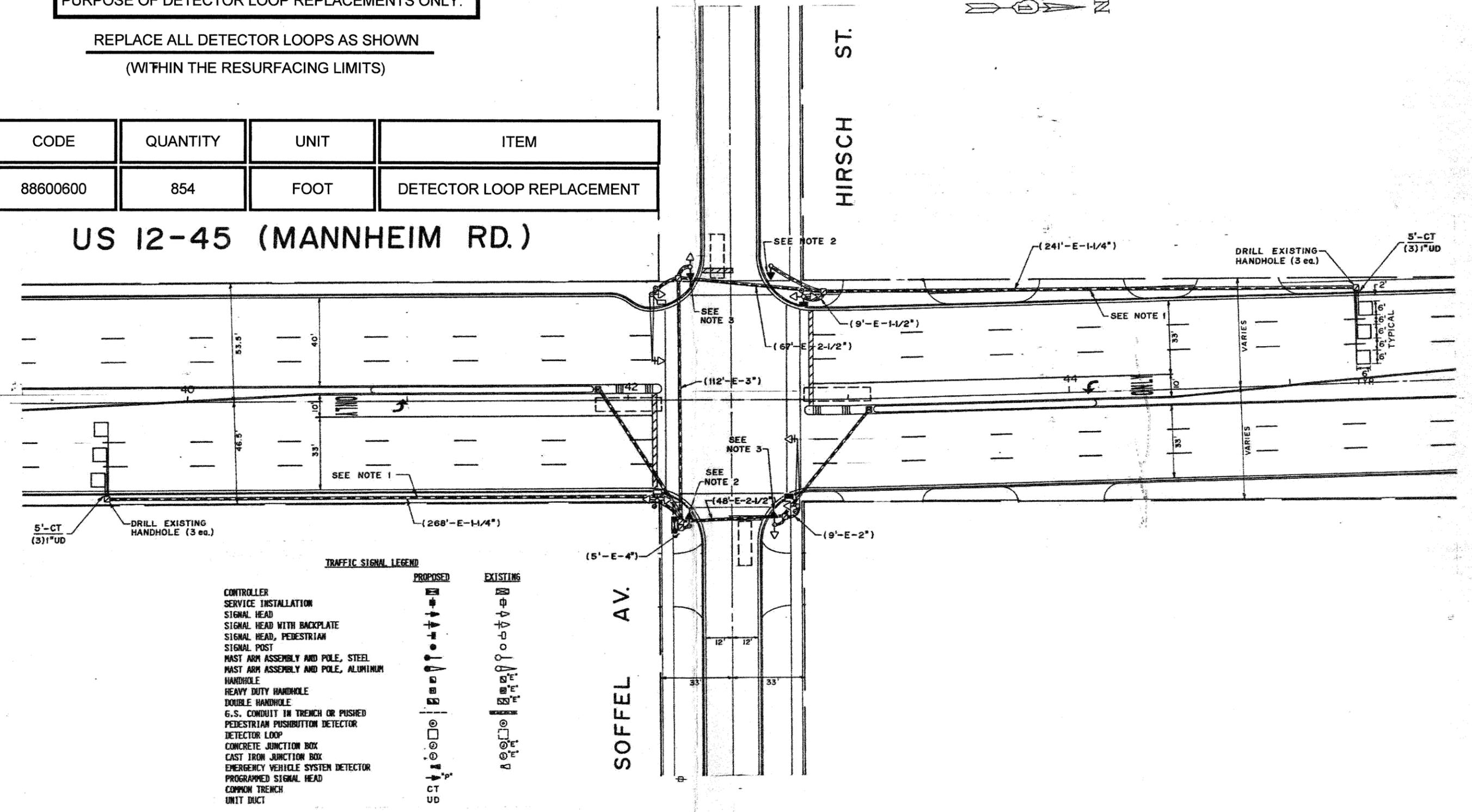
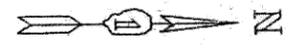
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THIS PLAN IS FOR INFORMATION AND IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY.

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

CODE	QUANTITY	UNIT	ITEM
88600600	854	FOOT	DETECTOR LOOP REPLACEMENT

US 12-45 (MANNHEIM RD.)

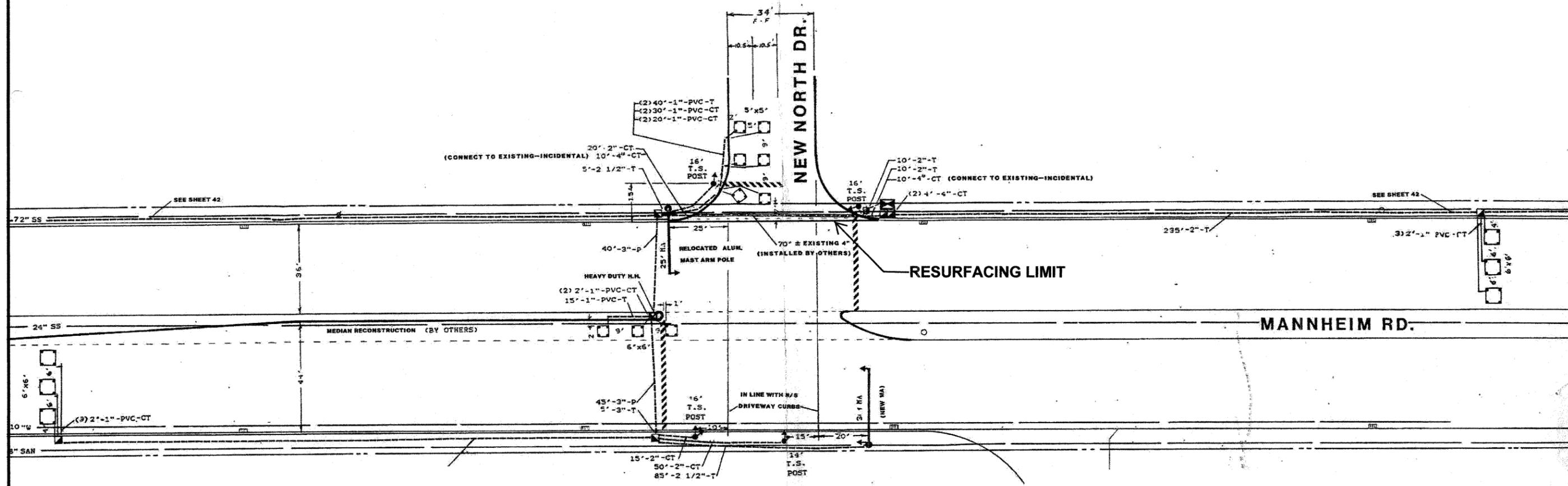
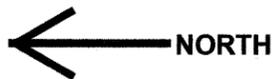


TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD, PEDESTRIAN		
SIGNAL POST		
MAST ARM ASSEMBLY AND POLE, STEEL		
MAST ARM ASSEMBLY AND POLE, ALUMINUM		
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
PEDESTRIAN PUSHBUTTON DETECTOR		
DETECTOR LOOP		
CONCRETE JUNCTION BOX		
CAST IRON JUNCTION BOX		
EMERGENCY VEHICLE SYSTEM DETECTOR		
PROGRAMMED SIGNAL HEAD		
COMMON TRENCH		
UNIT DUCT		

DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US RTE 45 (MANNHEIM ROAD)@ HIRSCH ST/SOFFEL AVE	DETECTOR LOOP REPLACEMENT	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISED -				330	(464Y & 465Y) RS-3	COOK	44	23
CHECKED -	REVISED -				CONTRACT NO. 60166				
DATE	REVISED -				ILLINOIS FED. AID PROJECT				

SCALE: NONE SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____



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

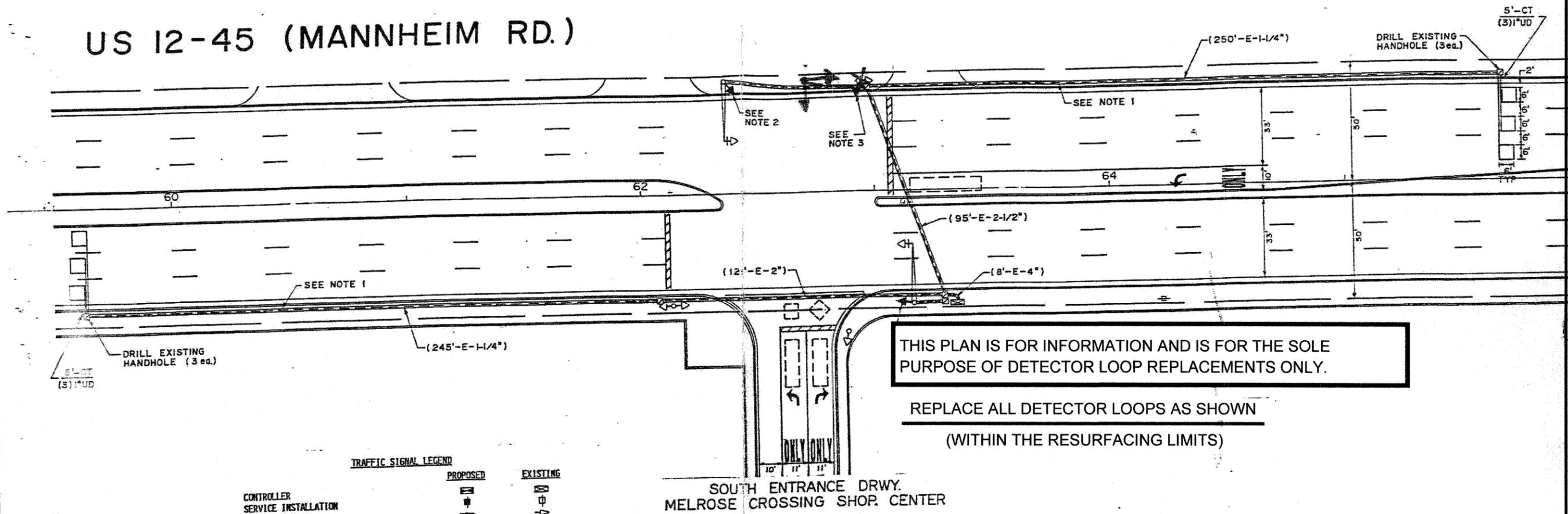
REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)

TRAFFIC SIGNAL LEGEND

EXISTING	PROPOSED
CURB	—
MEDIAN (RECONSTRUCTED BY OTHERS)	—
CONTROLLER	—
SIGNAL POST WITH HEAD	—
MAST ARM SIGNAL POLE	—
HANDHOLE	—
HEAVY DUTY HANDHOLE	—
DOUBLE HANDHOLE	—
ELECTRIC CABLE IN G.S. CONDUIT	— PVC
ELECTRIC CABLE IN PLASTIC CONDUIT	—
CONDUIT (1" DIA. 2'-0" DEPTH TRENCH, P-PUSH)	—
LOOP DETECTOR	—
SERVICE INSTALLATION	—
WOOD POLE	—
WATER	—
STORM SEWER	—
SANITARY SEWER	—
STOP LINE (BY OTHERS)	—

CODE	QUANTITY	UNIT	ITEM
88600600	436	FOOT	DETECTOR LOOP REPLACEMENT

US 12-45 (MANNHEIM RD.)



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

TRAFFIC SIGNAL LEGEND

- | | PROPOSED | EXISTING |
|--------------------------------------|----------|----------|
| CONTROLLER | | |
| SERVICE INSTALLATION | | |
| SIGNAL HEAD | | |
| SIGNAL HEAD WITH BACKPLATE | | |
| SIGNAL HEAD, PEDESTRIAN | | |
| SIGNAL POST | | |
| MAST ARM ASSEMBLY AND POLE, STEEL | | |
| MAST ARM ASSEMBLY AND POLE, ALUMINUM | | |
| HANDHOLE | | |
| HEAVY DUTY HANDHOLE | | |
| DOUBLE HANDHOLE | | |
| G.S. CONDUIT IN TRENCH OR PUSHED | | |
| PEDESTRIAN PUSHBUTTON DETECTOR | | |
| DETECTOR LOOP | | |
| CONCRETE JUNCTION BOX | | |
| CAST IRON JUNCTION BOX | | |
| EMERGENCY VEHICLE SYSTEM DETECTOR | | |
| PROGRAMMED SIGNAL HEAD | | |
| COMMON TRENCH | | |
| UNIT DUCT | | |

CODE	QUANTITY	UNIT	ITEM
88600600	672	FOOT	DETECTOR LOOP REPLACEMENT

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RTE 45 (MANNHEIM ROAD) @
MELROSE SHOPPING CENTER (STA. 76+50)

DETECTOR LOOP
REPLACEMENT

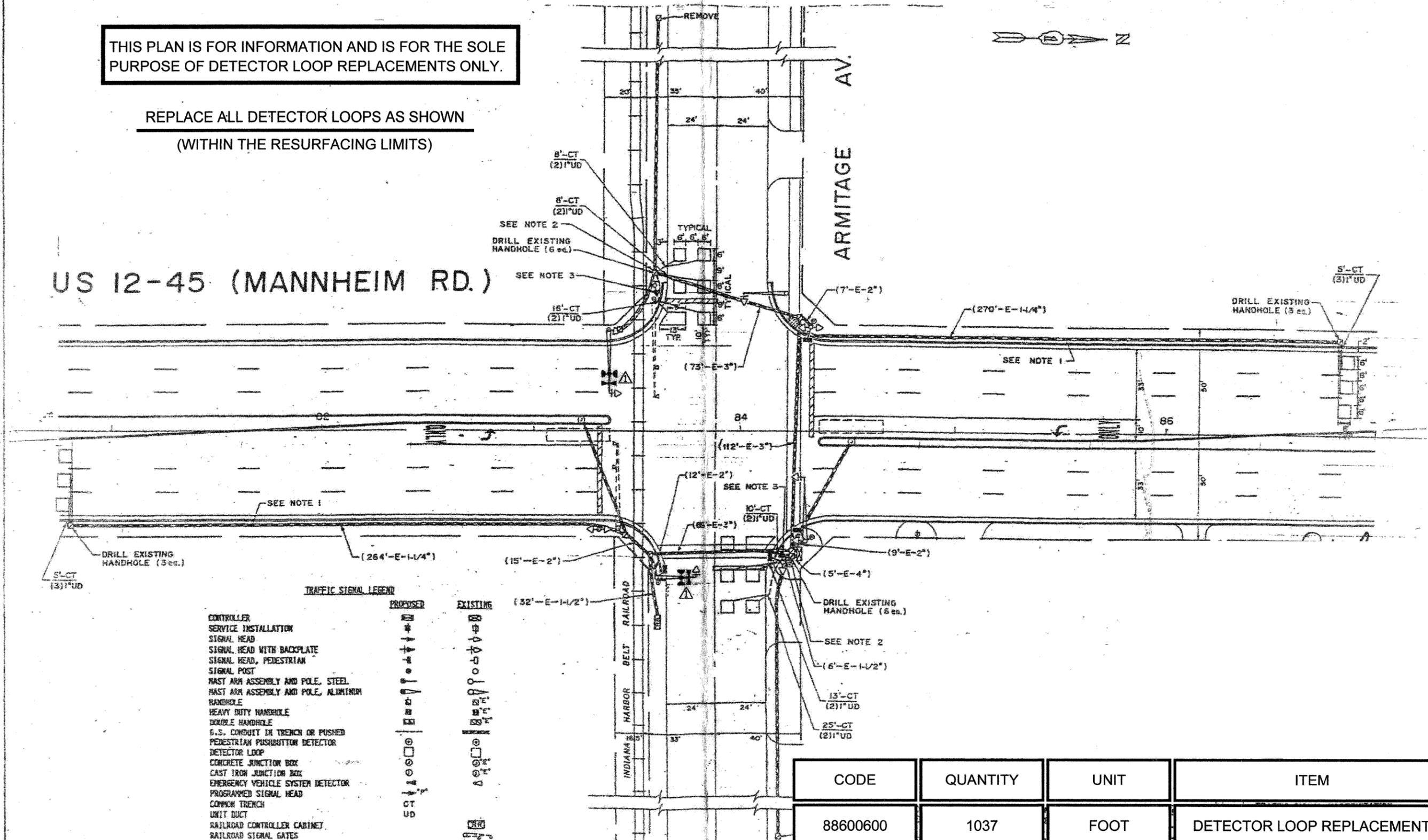
F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(464Y & 465Y) RS-3	COOK	44	25
FED. ROAD. NO. 1		ILLINOIS		CONTRACT NO. 60166

SCALE: NONE SHEET NO. ___ OF ___ SHEETS

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

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

US 12-45 (MANNHEIM RD.)



TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD, PEDESTRIAN		
SIGNAL POST		
MAST ARM ASSEMBLY AND POLE, STEEL		
MAST ARM ASSEMBLY AND POLE, ALUMINUM		
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
PEDESTRIAN PUSHBUTTON DETECTOR		
DETECTOR LOOP		
CONCRETE JUNCTION BOX		
CAST IRON JUNCTION BOX		
EMERGENCY VEHICLE SYSTEM DETECTOR		
PROGRAMMED SIGNAL HEAD		
COMMON TRENCH		
UNIT DUCT		
RAILROAD CONTROLLER CABINET		
RAILROAD SIGNAL GATES		

CODE	QUANTITY	UNIT	ITEM
88600600	1037	FOOT	DETECTOR LOOP REPLACEMENT

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RTE 45 (MANNHEIM ROAD)@
ARMITAGE AVE

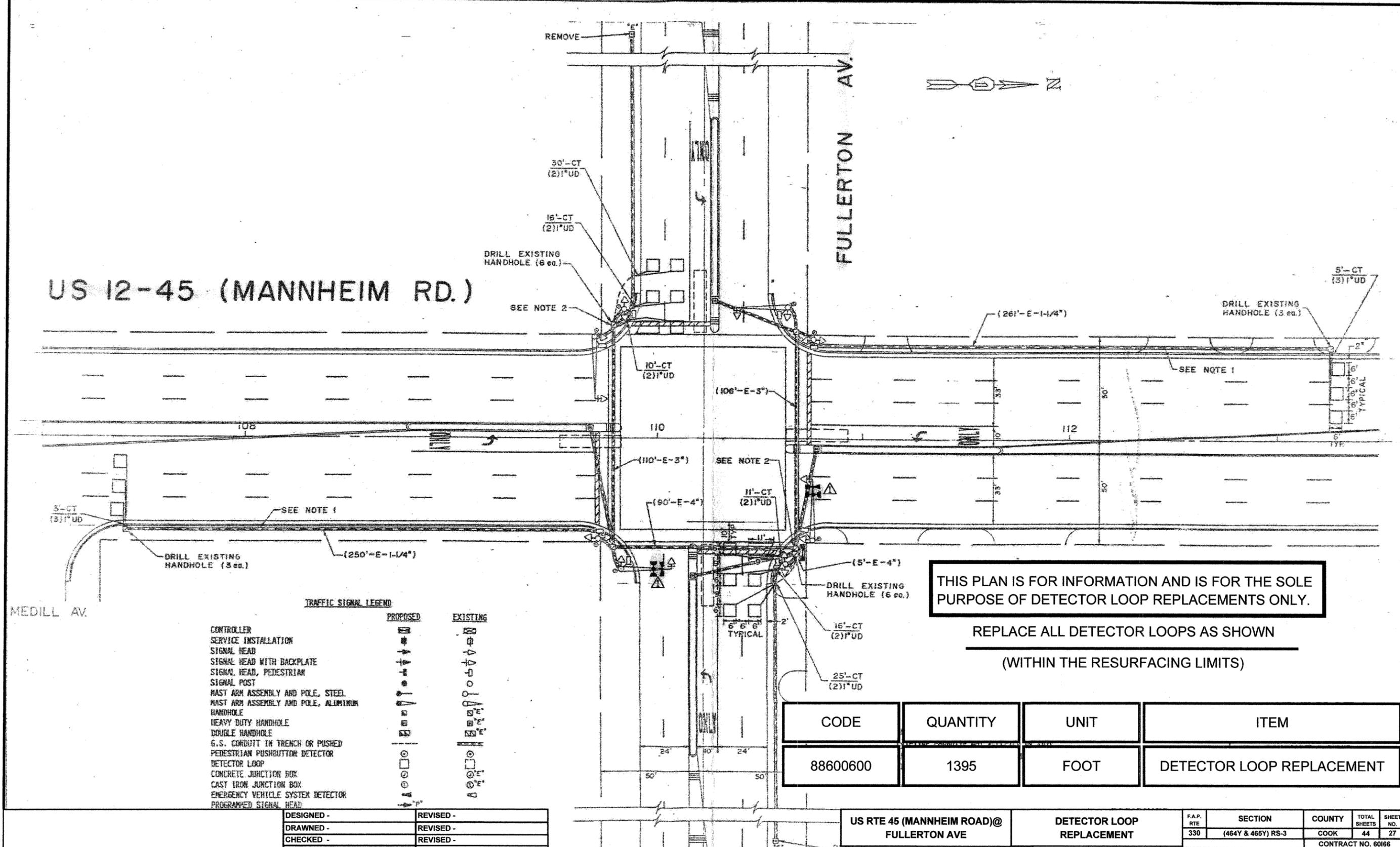
DETECTOR LOOP
REPLACEMENT

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(464Y & 465Y) RS-3	COOK	44	26
CONTRACT NO. 60166				
FED. ROAD. NO. 1		ILLINOIS FED. AID PROJECT		

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

US 12-45 (MANNHEIM RD.)

FULLERTON AV.



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

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

TRAFFIC SIGNAL LEGEND

- | | PROPOSED | EXISTING |
|--------------------------------------|----------|----------|
| CONTROLLER | | |
| SERVICE INSTALLATION | | |
| SIGNAL HEAD | | |
| SIGNAL HEAD WITH BACKPLATE | | |
| SIGNAL HEAD, PEDESTRIAN | | |
| SIGNAL POST | | |
| MAST ARM ASSEMBLY AND POLE, STEEL | | |
| MAST ARM ASSEMBLY AND POLE, ALUMINUM | | |
| HANDHOLE | | |
| HEAVY DUTY HANDHOLE | | |
| DOUBLE HANDHOLE | | |
| G.S. CONDUIT IN TRENCH OR PUSHED | | |
| PEDESTRIAN PUSHBUTTON DETECTOR | | |
| DETECTOR LOOP | | |
| CONCRETE JUNCTION BOX | | |
| CAST IRON JUNCTION BOX | | |
| EMERGENCY VEHICLE SYSTEM DETECTOR | | |
| PROGRAMMED SIGNAL HEAD | | |

CODE	QUANTITY	UNIT	ITEM
88600600	1395	FOOT	DETECTOR LOOP REPLACEMENT

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

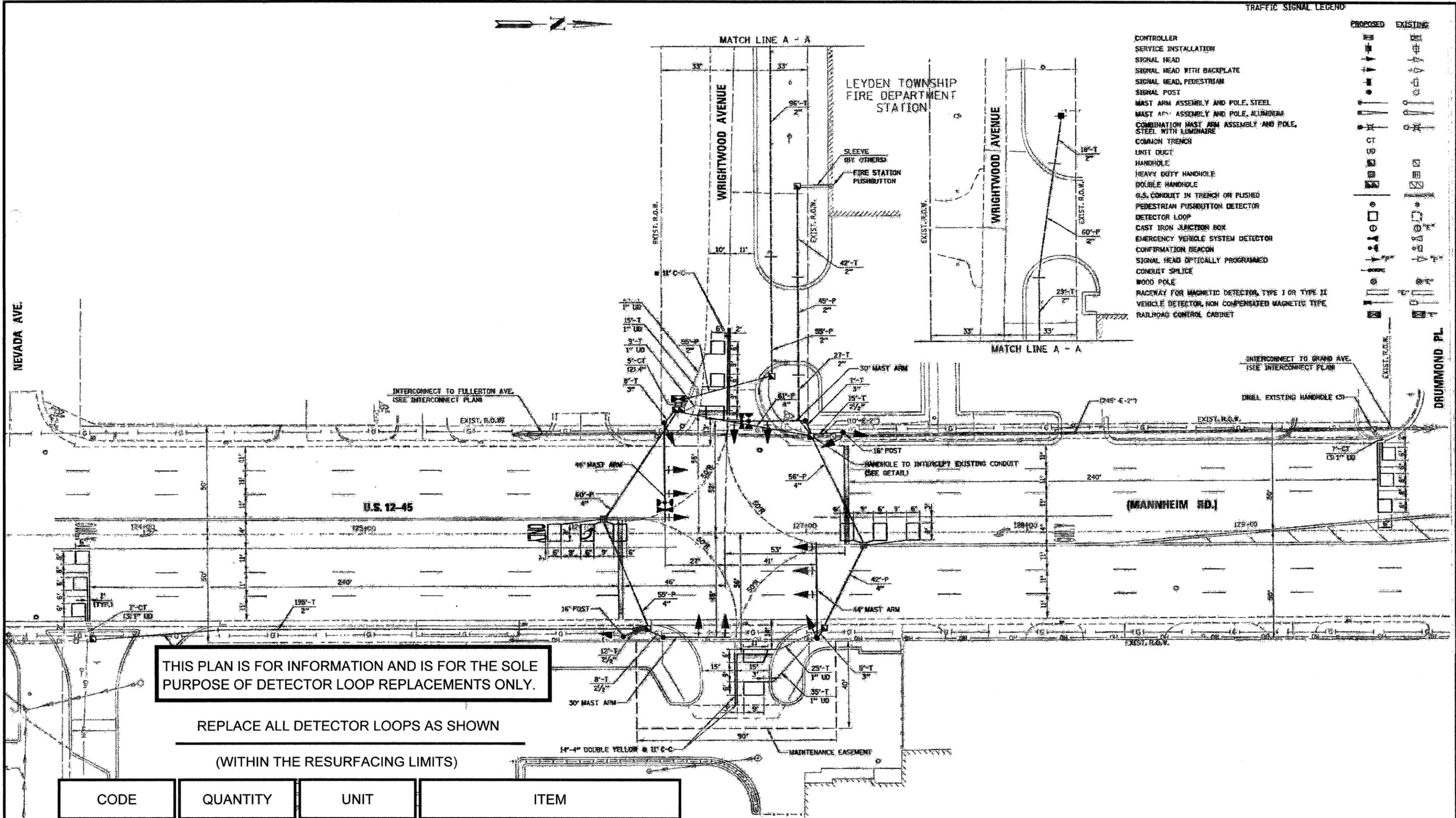
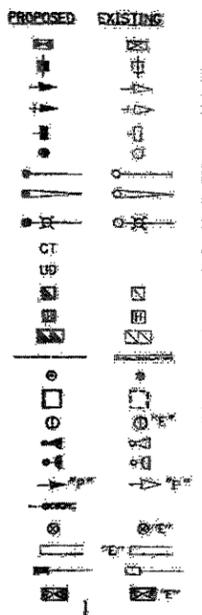
US RTE 45 (MANNHEIM ROAD)@
FULLERTON AVE

DETECTOR LOOP
REPLACEMENT

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(464Y & 465Y) RS-3	COOK	44	27
FED. ROAD. NO. 1 ILLINOIS			CONTRACT NO. 60166	
DRAWN BY			DMR	

SHEET NO. ___ OF ___ SHEETS

- CONTROLLER
- SERVICE INSTALLATION
- SIGNAL HEAD
- SIGNAL HEAD WITH BACKPLATE
- SIGNAL HEAD, PEDESTRIAN
- SIGNAL POST
- MAST ARM ASSEMBLY AND POLE, STEEL
- MAST ARM ASSEMBLY AND POLE, ALUMINUM
- COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE
- COMMON TRENCH
- UNIT DUCT
- HANDHOLE
- HEAVY DUTY HANDHOLE
- DOUBLE HANDHOLE
- G.S. CONDUIT IN TRENCH OR PUSHED
- PEDESTRIAN PUSHBUTTON DETECTOR
- DETECTOR LOOP
- CAST IRON JUNCTION BOX
- EMERGENCY VEHICLE SYSTEM DETECTOR
- CONFIRMATION BEACON
- SIGNAL HEAD OPTICALLY PROGRAMMED
- CONDUIT SPLICE
- WOOD POLE
- RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II
- VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE
- RAILROAD CONTROL CABINET



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

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

CODE	QUANTITY	UNIT	ITEM
88600600	717	FOOT	DETECTOR LOOP REPLACEMENT

CHRISTOPHER S. DUKE ENGINEERING
 9575 West Higgins Road, Suite 600
 Rosemont, Illinois 60018
 (847) 823-0500

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US RTE 45 (MANNHEIM ROAD) @
WRIGHTWOOD AVENUE

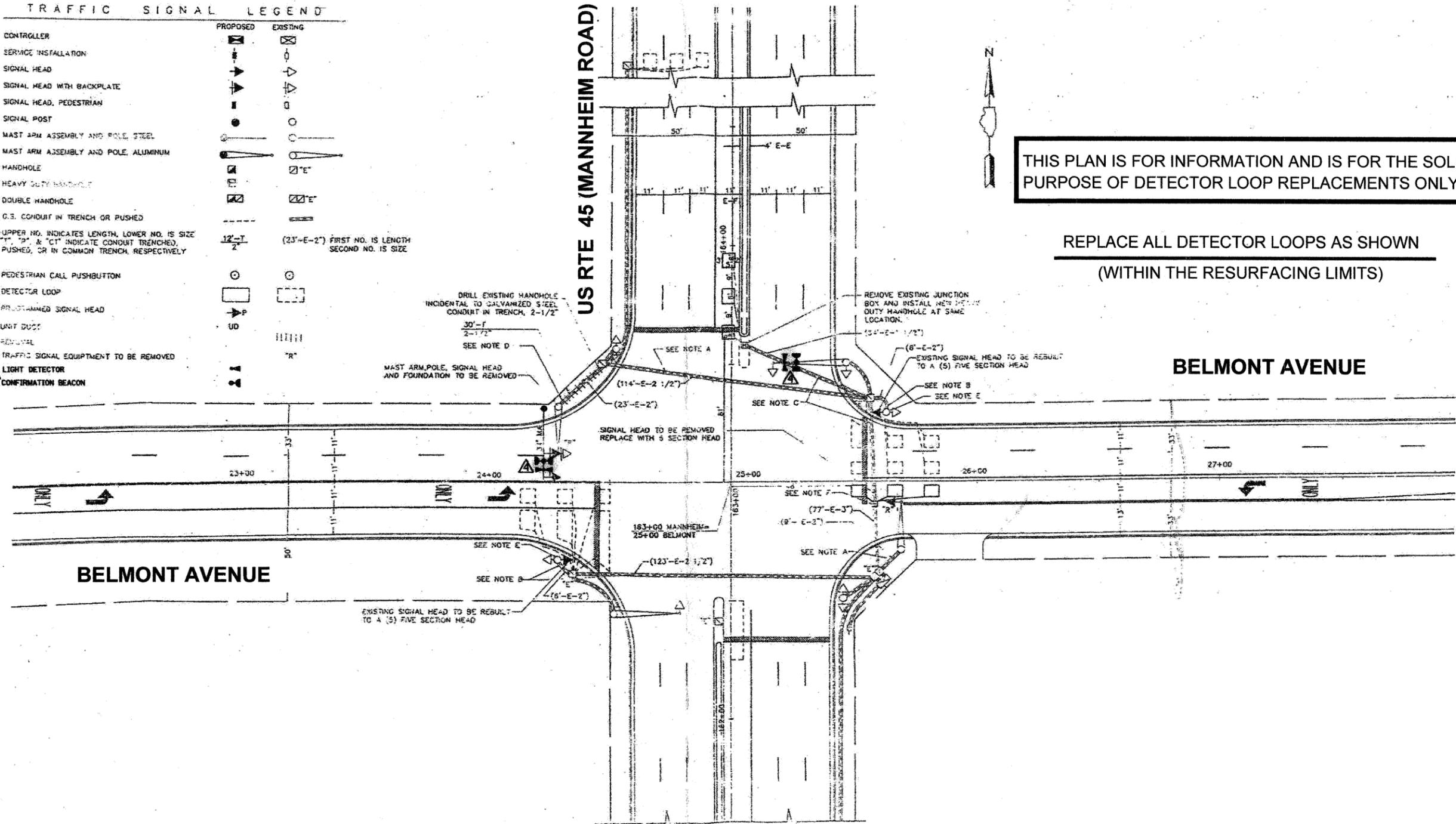
DETECTOR LOOP
REPLACEMENT

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(464Y & 465Y) RS-3	COOK	44	28
CONTRACT NO. 60166				
ILLINOIS FED. AID PROJECT				

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

TRAFFIC SIGNAL LEGEND

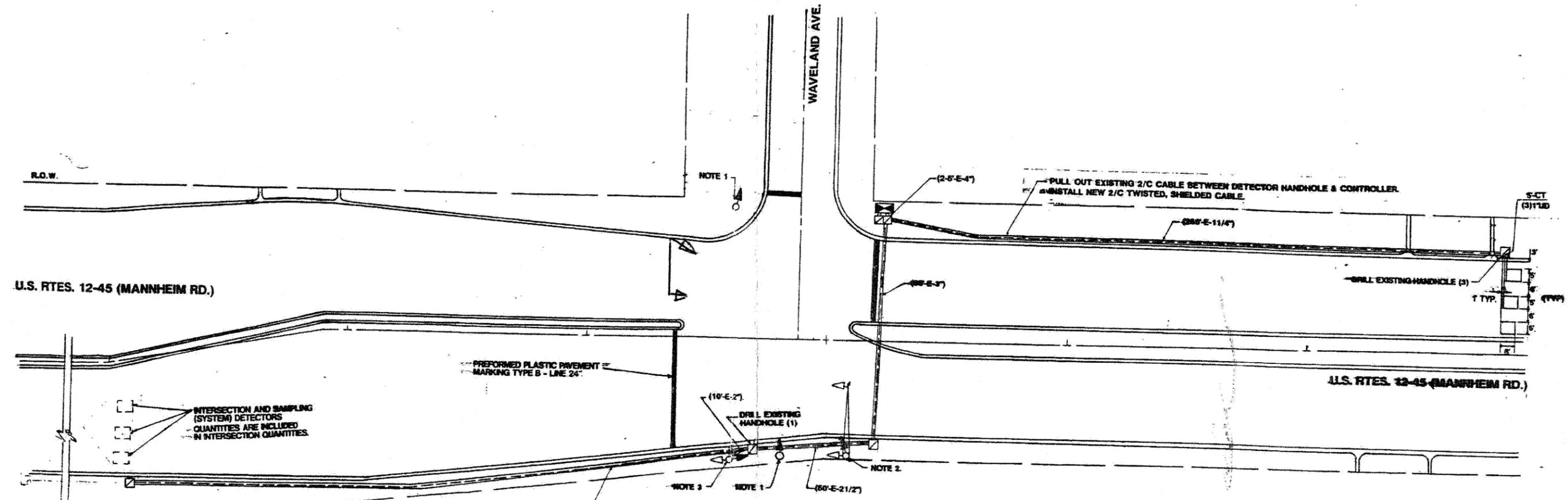
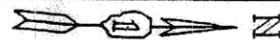
	PROPOSED	EXISTING
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD, PEDESTRIAN		
SIGNAL POST		
MAST ARM ASSEMBLY AND POLE, STEEL		
MAST ARM ASSEMBLY AND POLE, ALUMINUM		
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
C.S. CONDUIT IN TRENCH OR PUSHED		
UPPER NO. INDICATES LENGTH, LOWER NO. IS SIZE "T", "P", & "CT" INDICATE CONDUIT TRENCHED, PUSHED, OR IN COMMON TRENCH, RESPECTIVELY	$\frac{12-T}{2}$	$(23-E-2)$ FIRST NO. IS LENGTH SECOND NO. IS SIZE
PEDESTRIAN CALL PUSHBUTTON		
DETECTOR LOOP		
PRE-INSTALLED SIGNAL HEAD		
UNIT DUCT		
RECYCLAL		
TRAFFIC SIGNAL EQUIPMENT TO BE REMOVED		
LIGHT DETECTOR CONFIRMATION BEACON		



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

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

CODE	QUANTITY	UNIT	ITEM
88600600	1130	FOOT	DETECTOR LOOP REPLACEMENT



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

TRAFFIC SIGNAL LEGEND

- | | PROPOSED | EXISTING |
|--------------------------------------|----------|----------|
| CONTROLLER | | |
| SERVICE INSTALLATION | | |
| SIGNAL HEAD | | |
| SIGNAL HEAD WITH BACKPLATE | | |
| SIGNAL HEAD, PEDESTRIAN | | |
| SIGNAL POST | | |
| PAST ARM ASSEMBLY AND POLE, STEEL | | |
| PAST ARM ASSEMBLY AND POLE, ALUMINUM | | |
| COMMON TRENCH | | |
| TRENCH DUCT | | |
| HANDHOLE | | |
| HEAVY DUTY HANDHOLE | | |
| DOUBLE HANDHOLE | | |
| G.S. CONDUIT IN TRENCH OR PUSHED | | |
| PEDESTRIAN PUSHBUTTON DETECTOR | | |
| DETECTOR LOOP | | |

CODE	QUANTITY	UNIT	ITEM
88600600	396	FOOT	DETECTOR LOOP REPLACEMENT

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

US RTE 45 (MANNHEIM ROAD) @
WAVELAND AVENUE

**DETECTOR LOOP
REPLACEMENT**

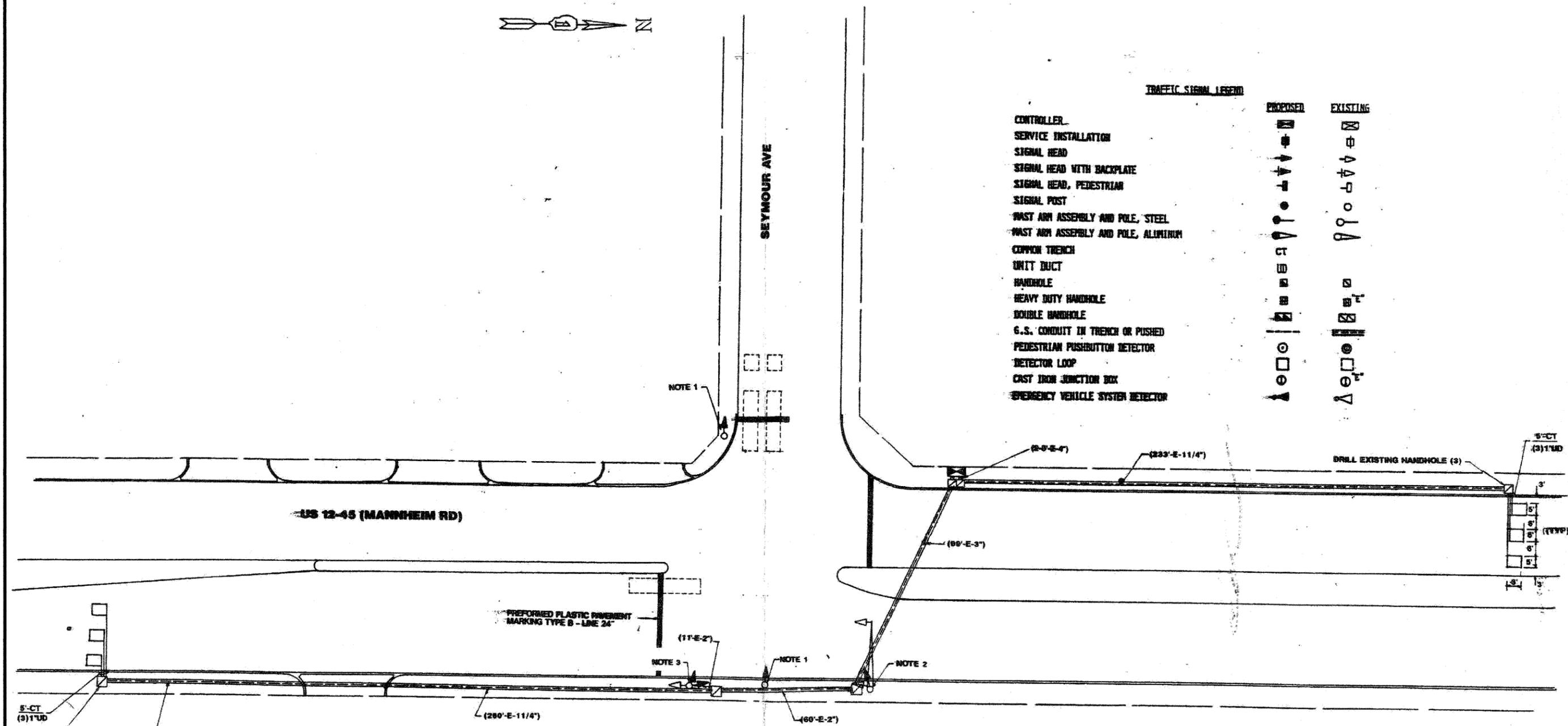
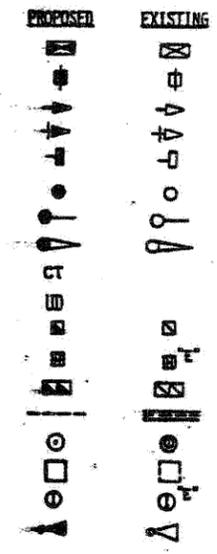
F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(464Y & 465Y) RS-3	COOK	44	30
FED. ROAD. NO. 1		ILLINOIS		CONTRACT NO. 60166 CHECKED BY: <i>[Signature]</i>

SCALE: NONE SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____



TRAFFIC SIGNAL LEGEND

- CONTROLLER
- SERVICE INSTALLATION
- SIGNAL HEAD
- SIGNAL HEAD WITH BACKPLATE
- SIGNAL HEAD, PEDESTRIAN
- SIGNAL POST
- WAST ARM ASSEMBLY AND POLE, STEEL
- WAST ARM ASSEMBLY AND POLE, ALUMINUM
- CANYON TRENCH
- UNIT DUCT
- HANDHOLE
- HEAVY DUTY HANDHOLE
- DOUBLE HANDHOLE
- G.S. CONDUIT IN TRENCH OR PUSHED
- PEDESTRIAN PUSHBUTTON DETECTOR
- DETECTOR LOOP
- CAST IRON JUNCTION BOX
- EMERGENCY VEHICLE SYSTEM DETECTOR



NOTE 1

NOTE 3

NOTE 1

NOTE 2

PREFORMED PLASTIC PAVEMENT MARKING TYPE B - LINE 24"

PULL OUT EXISTING 2/C CABLE BETWEEN DETECTOR HANDHOLE & CONTROLLER.
INSTALL NEW 2/C TWISTED, SHIELDED CABLE. (TYP. NB & SB)

5'-CT
(3)1"UD

DRILL EXISTING HANDHOLE (3)

DRILL EXISTING HANDHOLE (3)

5'-CT
(3)1"UD

(TYP)

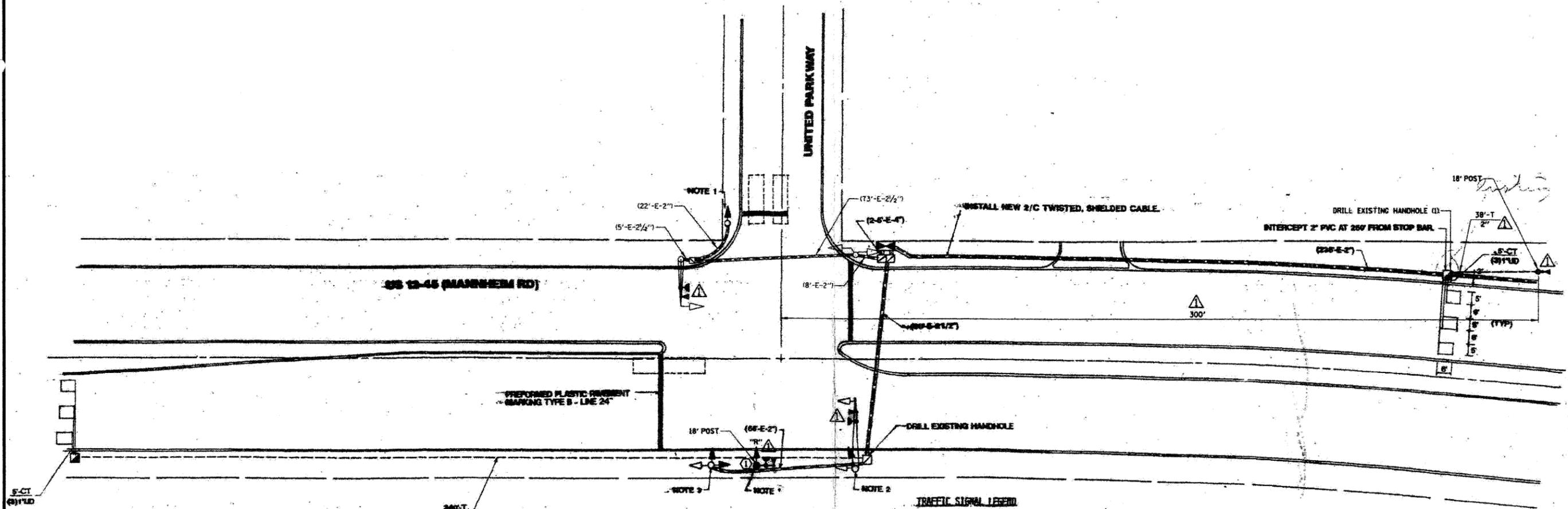
THIS PLAN IS FOR INFORMATION AND IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY.

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

CODE	QUANTITY	UNIT	ITEM
88600600	588	FOOT	DETECTOR LOOP REPLACEMENT

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

US RTE 45 (MANNHEIM ROAD) @ SEYMOUR AVENUE		DETECTOR LOOP REPLACEMENT		F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE		SHEET NO. OF SHEETS STA. TO STA.		330	(464Y & 465Y) RS-3	COOK	44	31
				DATE 4-13-91 / ILLINOIS FED. AID PROJECT				
				CONTRACT NO. 60166				

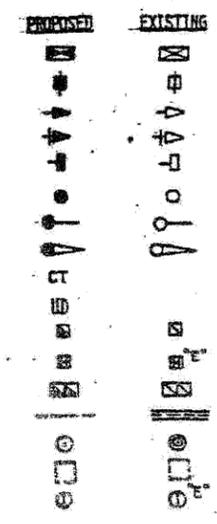


THIS PLAN IS FOR INFORMATION AND IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY.

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

CODE	QUANTITY	UNIT	ITEM
88600600	454	FOOT	DETECTOR LOOP REPLACEMENT

- TRAFFIC SIGNAL LEGEND**
- CONTROLLER
 - SERVICE INSTALLATION
 - SIGNAL HEAD
 - SIGNAL HEAD WITH BACKPLATE
 - SIGNAL HEAD, PEDESTRIAN
 - SIGNAL POST
 - PAST ARM ASSEMBLY AND POLE, STEEL
 - PAST ARM ASSEMBLY AND POLE, ALUMINUM
 - CLIMBING TRENCH
 - UNIT DUCT
 - HANDHOLE
 - HEAVY DUTY HANDHOLE
 - DOUBLE HANDHOLE
 - 6.5. CONDUIT IN TRENCH OR PUSHED
 - PEDESTRIAN PUSHBUTTON DETECTOR
 - DETECTOR LOOP
 - CAST IRON JUNCTION BOX
 - SPRING MOUNTED VEHICLE STOP DETECTOR
 - CONFIRMATION BEACON
 - RELOCATED



DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

US RTE 45 (MANNHEIM ROAD) @ UNITED PARKWAY		DETECTOR LOOP REPLACEMENT		F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE		SHEET NO. OF SHEETS		330	(464Y & 465Y) RS-3	COOK	44	32
				DATE 4-27-97 ILLINOIS FED. AID PROJECT CONTRACT NO. 60166				

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.)

* 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 USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

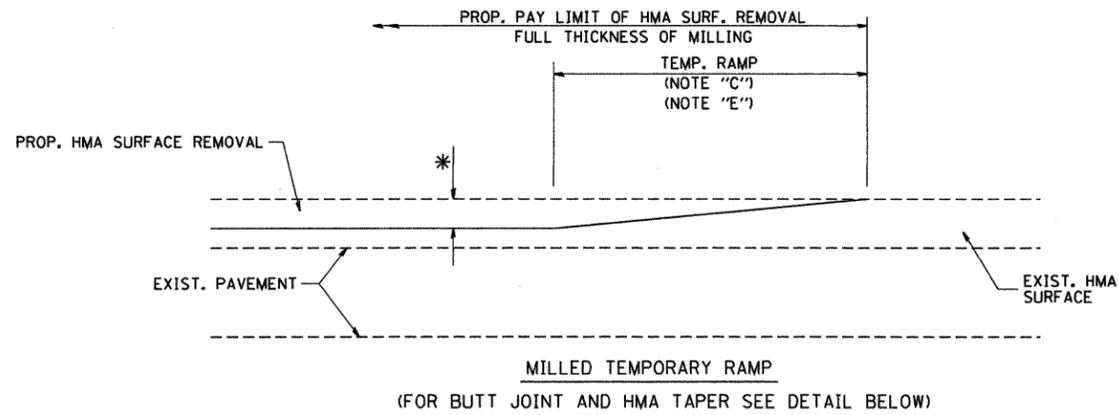
BASIS OF PAYMENT:

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

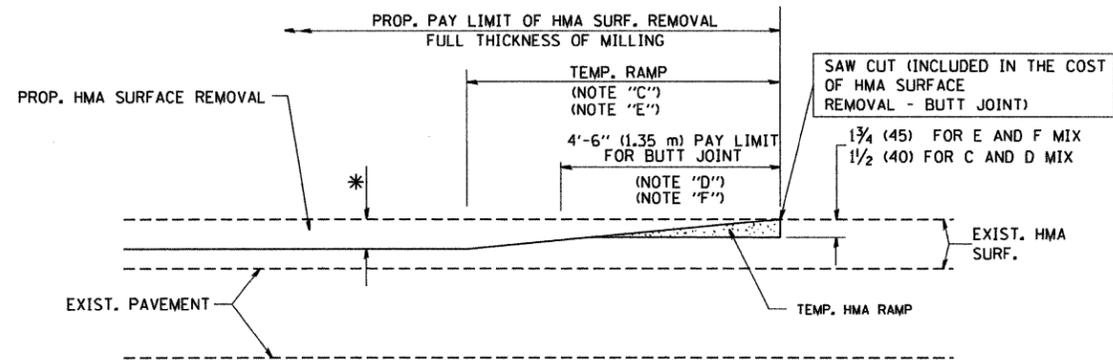
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = drivakosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwork\dot\drivakosgn\0180315\124.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97		330	(464Y & 465Y) RS-3	COOK	44	33			
PLOT SCALE = 50.000' / IN.		CHECKED -	REVISED - M. GOMEZ 01-22-01		BD600-06 (BD-24)			CONTRACT NO. 60166				
PLOT DATE = 12/15/2009		DATE - 03-11-94	REVISED - R. BORO 12-15-09		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

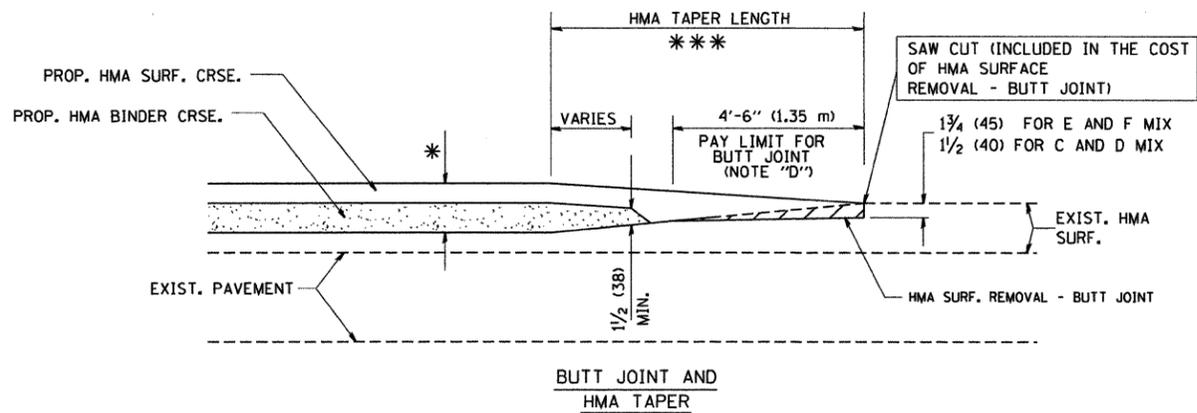


OPTION 1
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

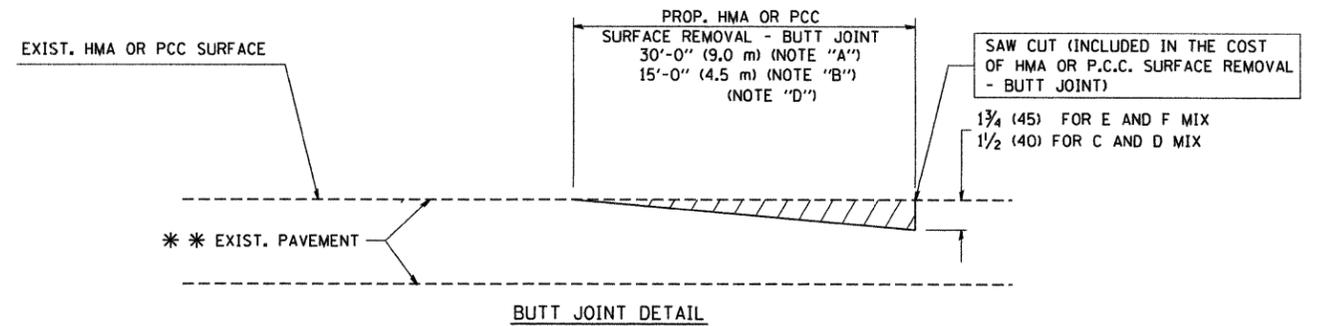


OPTION 2
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

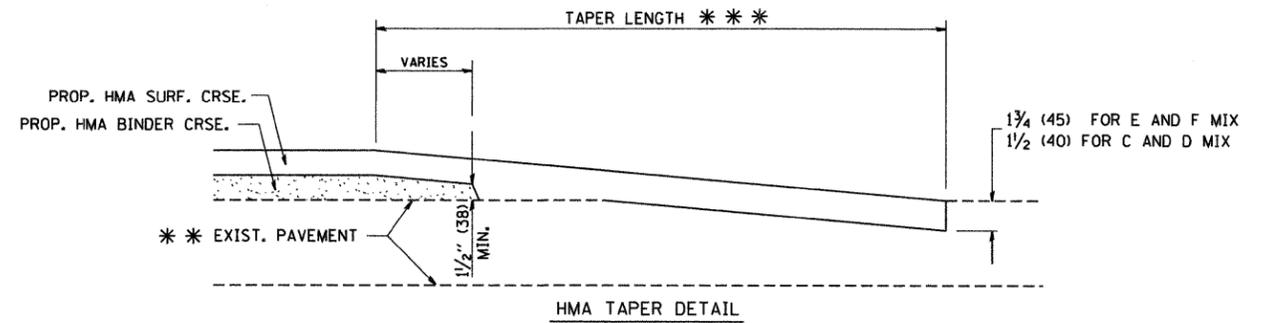
OPTION 2
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY

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

NOTES

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

BASIS OF PAYMENT:

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

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

FILE NAME = W:\diststd\22x34\bd32.dgn

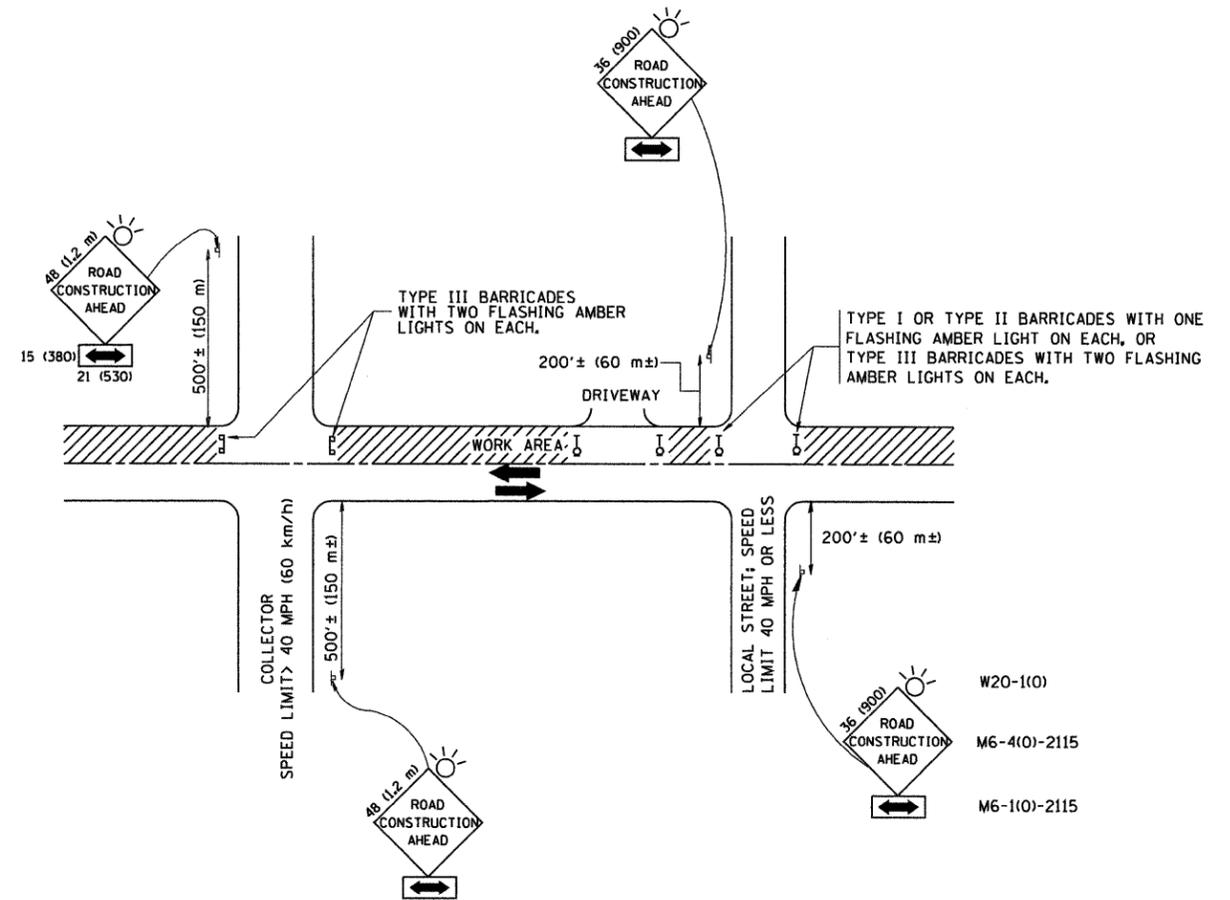
USER NAME = geglianobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
PLOT SCALE = 50.0000 "/ IN.	CHECKED -	REVISED - A. ABBAS 03-21-97
PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - M. GOMEZ 04-06-01
		REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(464Y & 465Y) RS-3	COOK	44	34
BD400-05 BD32			CONTRACT NO. 60166	
FED. ROAD DIST. NO. 1 (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

- 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:
 - 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.
 - 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.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - 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.
 - 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.
- 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.

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

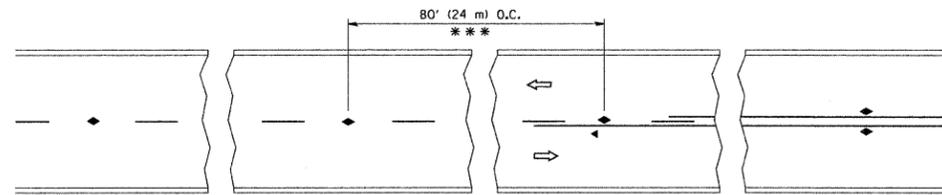
FILE NAME =	USER NAME = gegl1enob1	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
W:\diststd\22x34\tbl8.dgn		DRAWN -	REVISED - A. HOUSEH 03-06-96
		CHECKED -	REVISED - A. HOUSEH 10-15-96
		DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

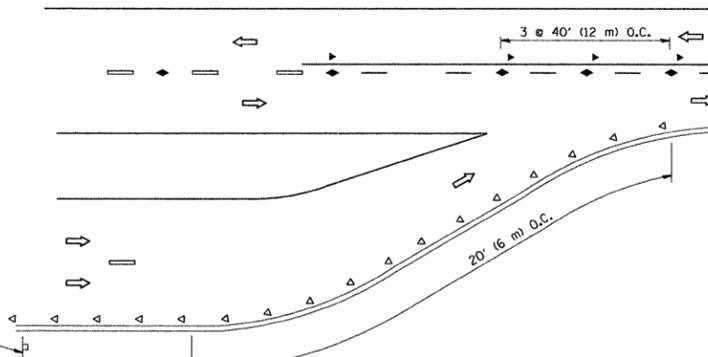
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(464Y & 465Y) RS-3	COOK	44	36
TC-10			CONTRACT NO. 60166	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

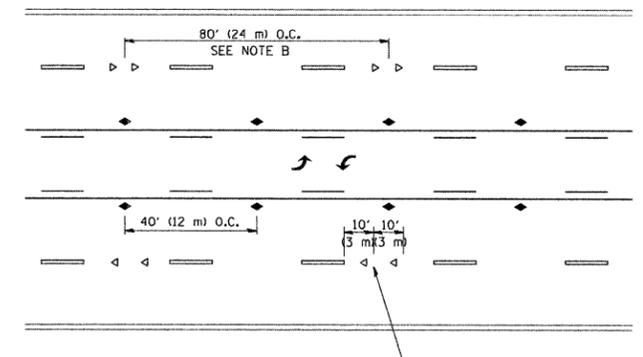


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

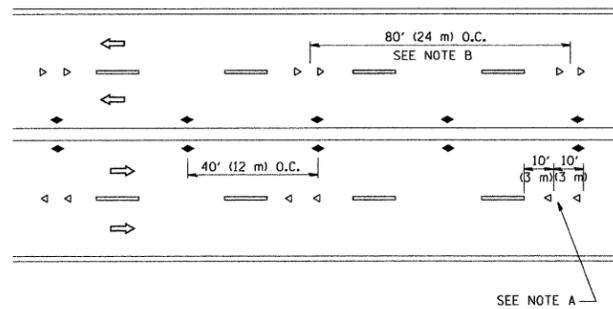
TWO-LANE/TWO-WAY



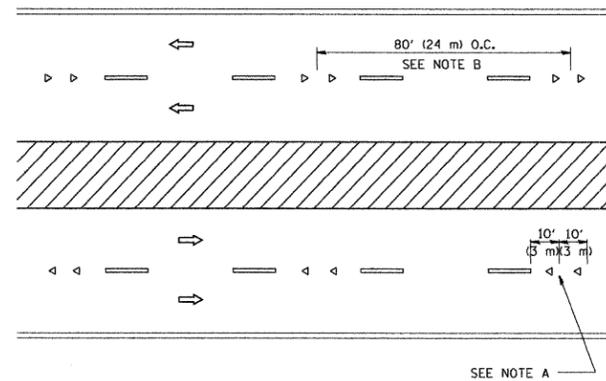
LANE REDUCTION TRANSITION



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

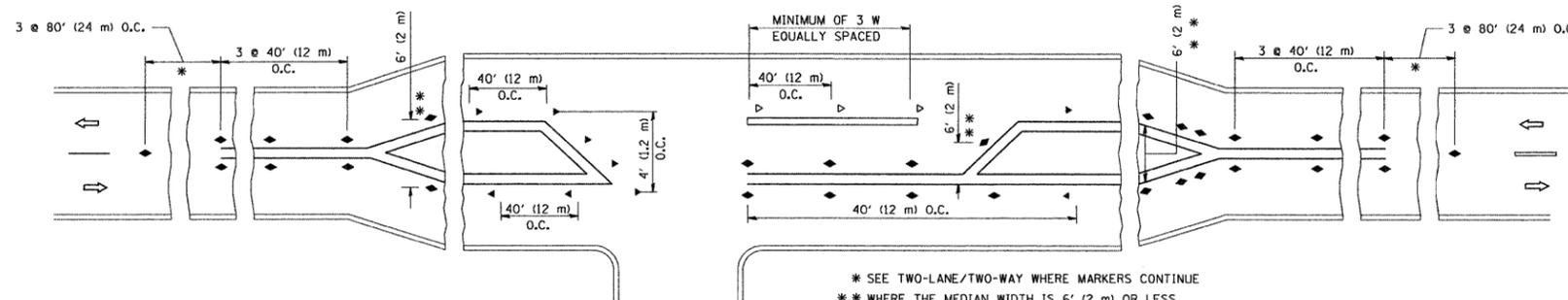
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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 SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

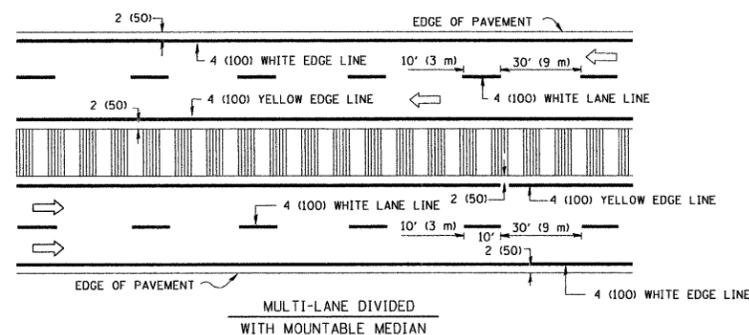
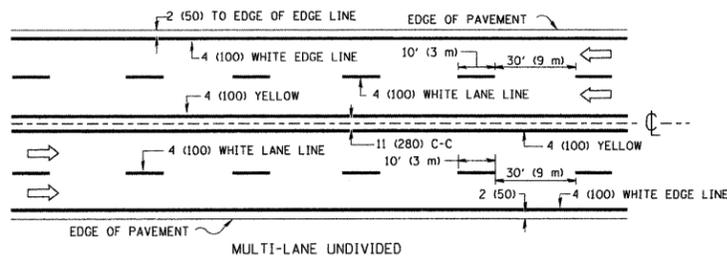
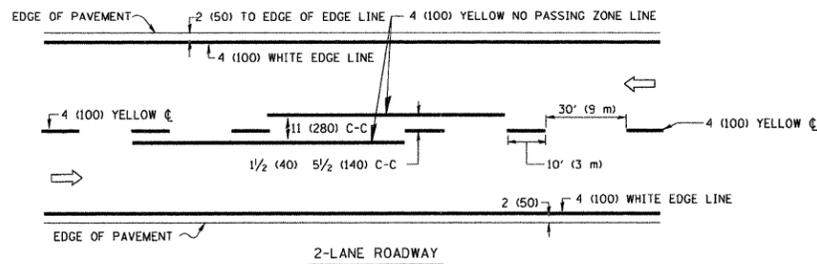


LEFT TURN

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

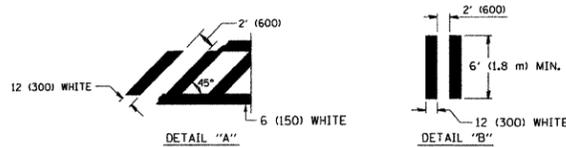
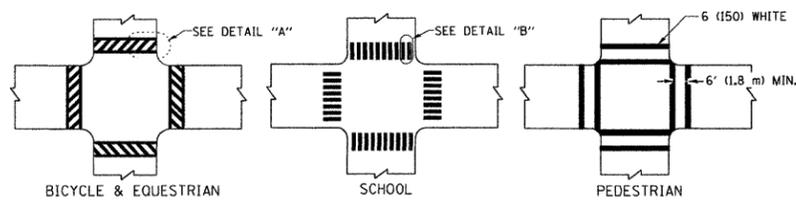
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = drvakosgn	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\dot\drvakosgn\0108315\td	ldgn	DRAWN -	REVISED - T. RAMMACHER 03-12-99		330	(464Y & 465Y) RS-3	COOK	44	37			
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - T. RAMMACHER 01-06-00		TC-11			CONTRACT NO. 60166				
	PLOT DATE = 9/9/2009	DATE -	REVISED - C. JUCIUS 09-09-09		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

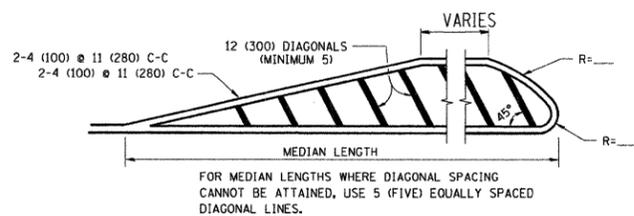
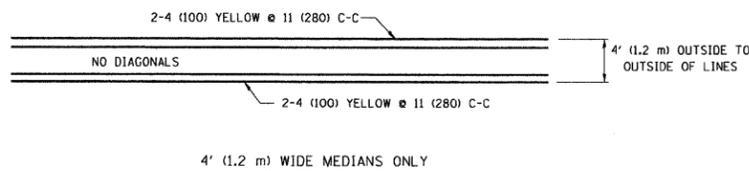


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

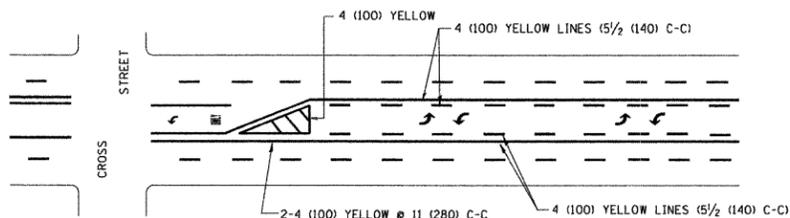


TYPICAL CROSSWALK MARKING

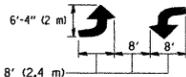


FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.
 DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
 75' (25 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h))
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

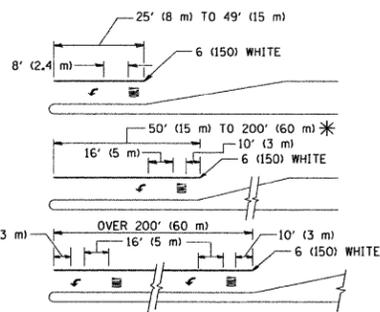


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

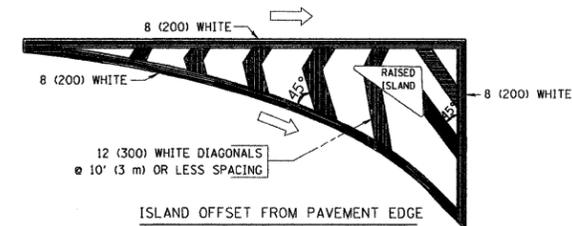


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

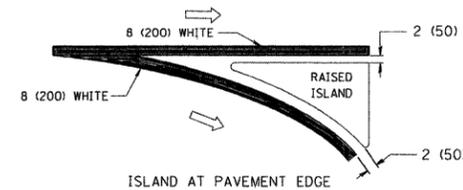
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

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

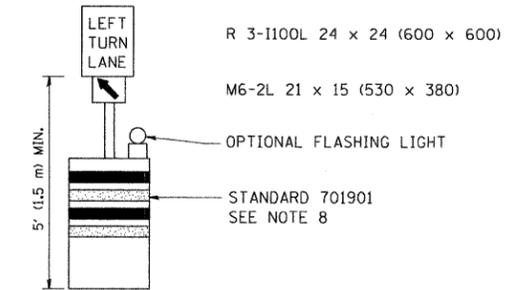
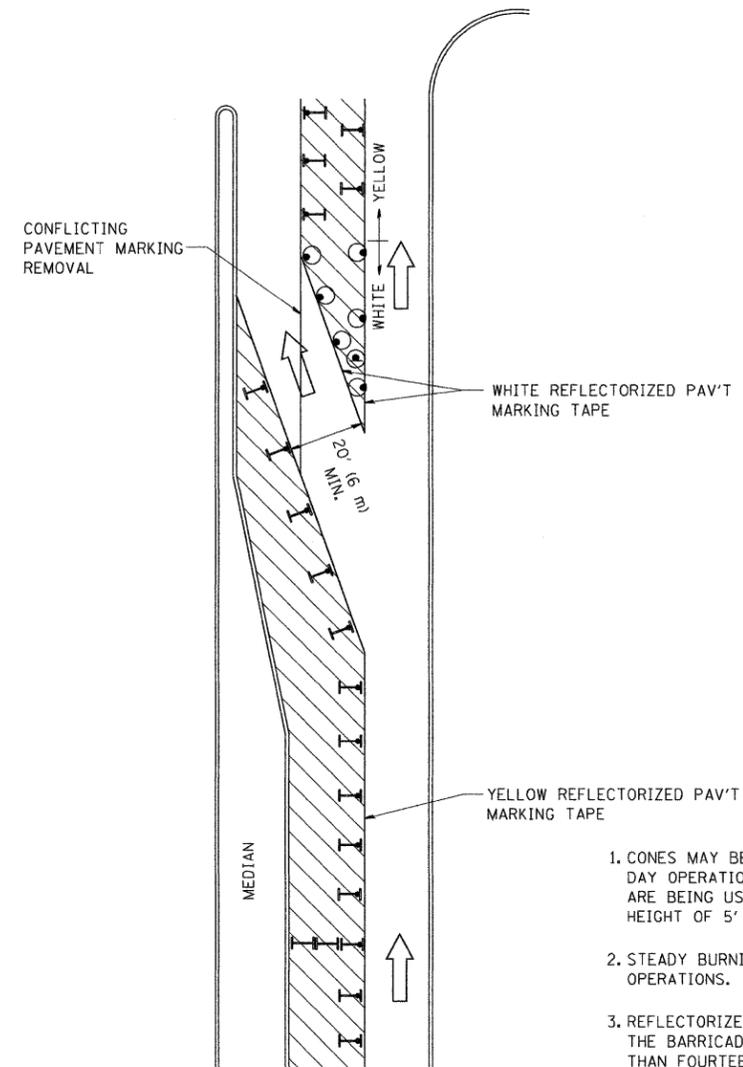
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	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(464 & 465) RS-3	COOK	44	38
TC-13		CONTRACT NO. 60166		
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

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



GENERAL NOTES

1. 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. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. 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" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

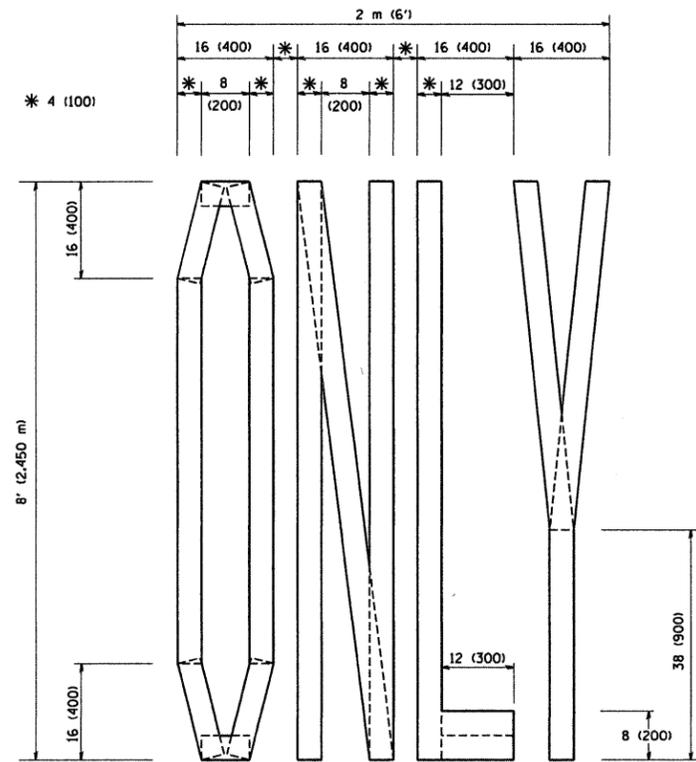
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

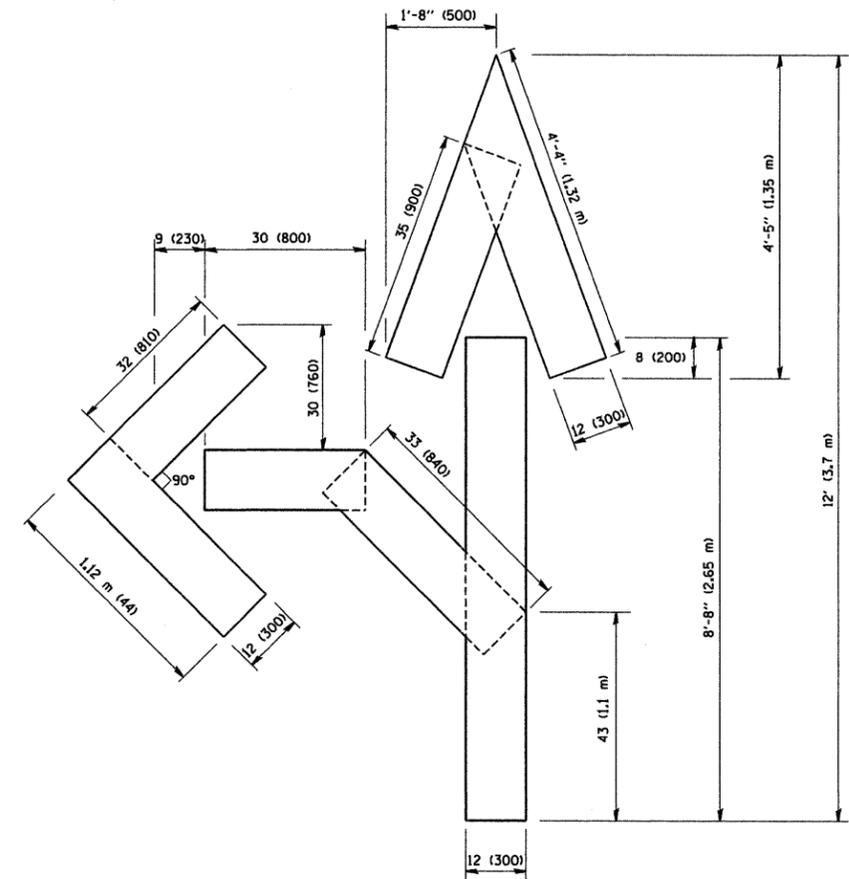
**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

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

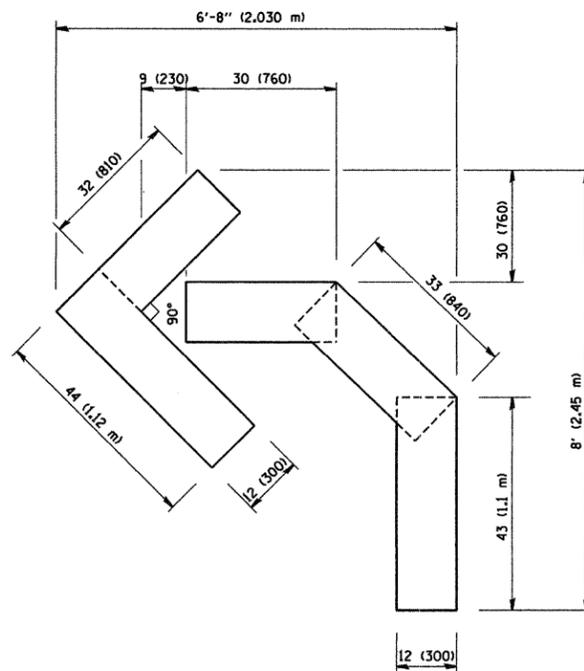
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(464Y & 465Y) RS-3	COOK	44	39
TC-14		CONTRACT NO. 60166		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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.

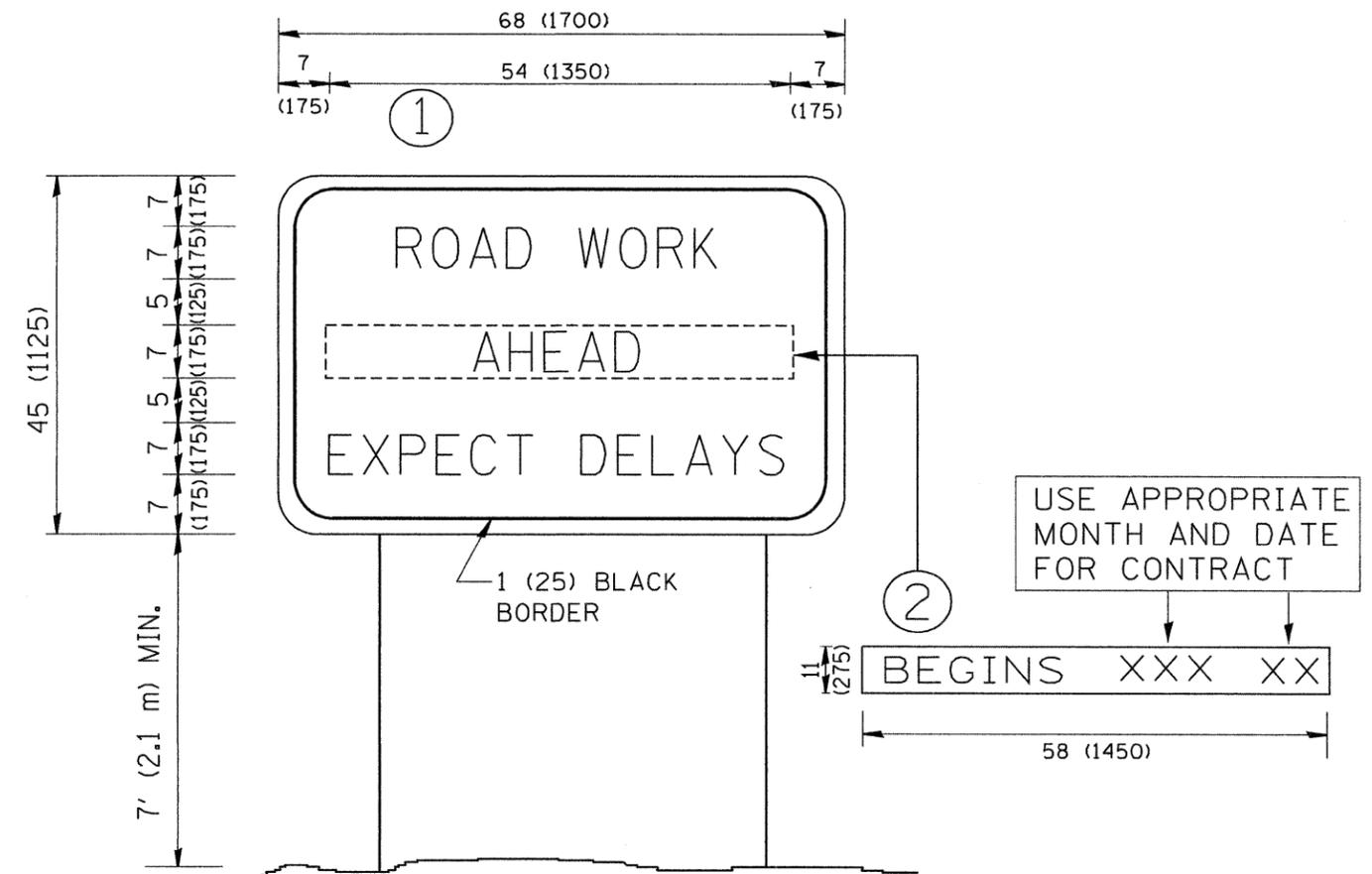
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		DRAWN -	REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	(464Y & 465Y) RS-3	COOK	44	40
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			TC-16 CONTRACT NO. 60166	



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.

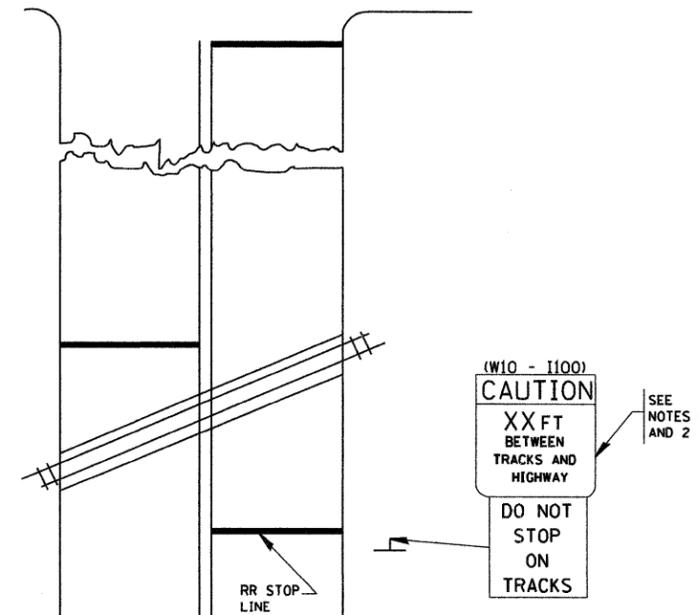
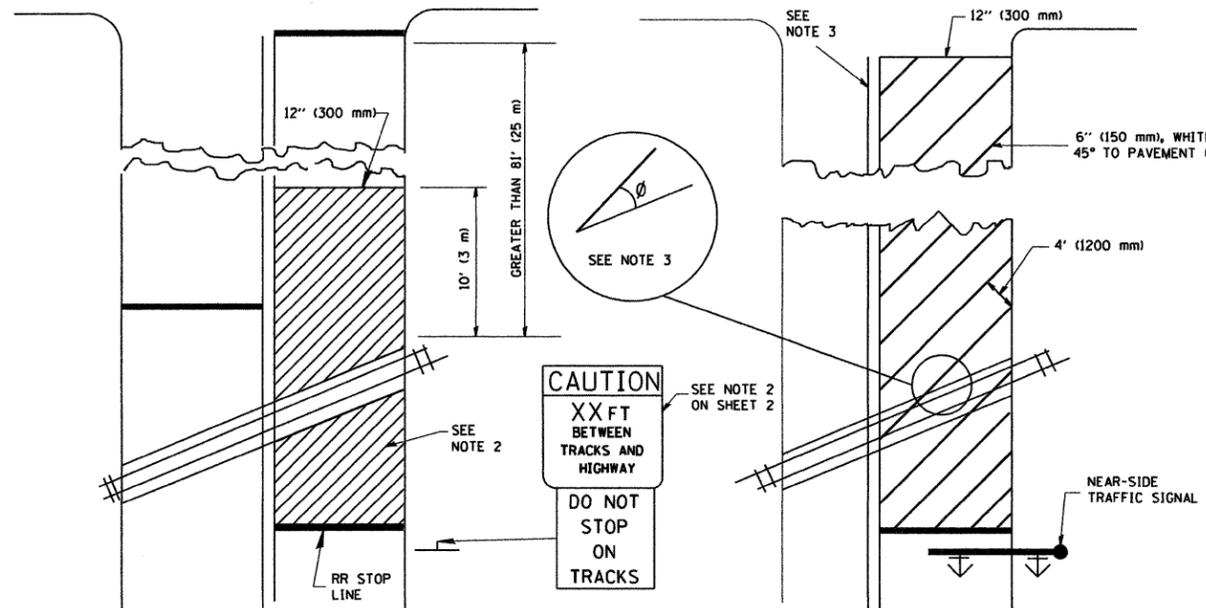
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	TC-22			CONTRACT NO. 60166				
PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07	FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT							
					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.	

WITH INTERSECTION TRAFFIC SIGNALS

WITH NEAR-SIDE TRAFFIC SIGNALS

WITH NONSIGNALIZED INTERSECTION
81' (25 m) OR LESS TO CLOSEST RAIL



NOTES:

- PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED, THE PAVEMENT MARKINGS EXTENDS TO THE INTERSECTION.
- WHERE THE ANGLE BETWEEN THE DIAGONAL STRIPES AND THE TRACK (θ) WOULD BE LESS THAN APPROXIMATELY 20°, THE STRIPES SHOULD BE SLOPED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.

NOTE:

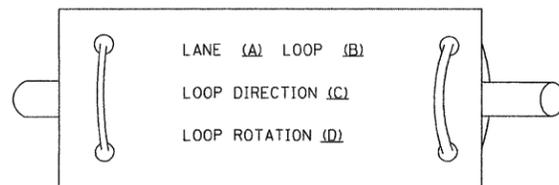
- DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET (1.8 m) FROM THE RAIL CLOSEST TO THE INTERSECTION TO THE STOP LINE OR CROSSWALK, WHICHEVER IS CLOSEST, ROUNDED DOWN TO THE NEAREST 5 FEET (1.5 m). WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE THE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
- THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6-FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTEND TO THE INTERSECTION.

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

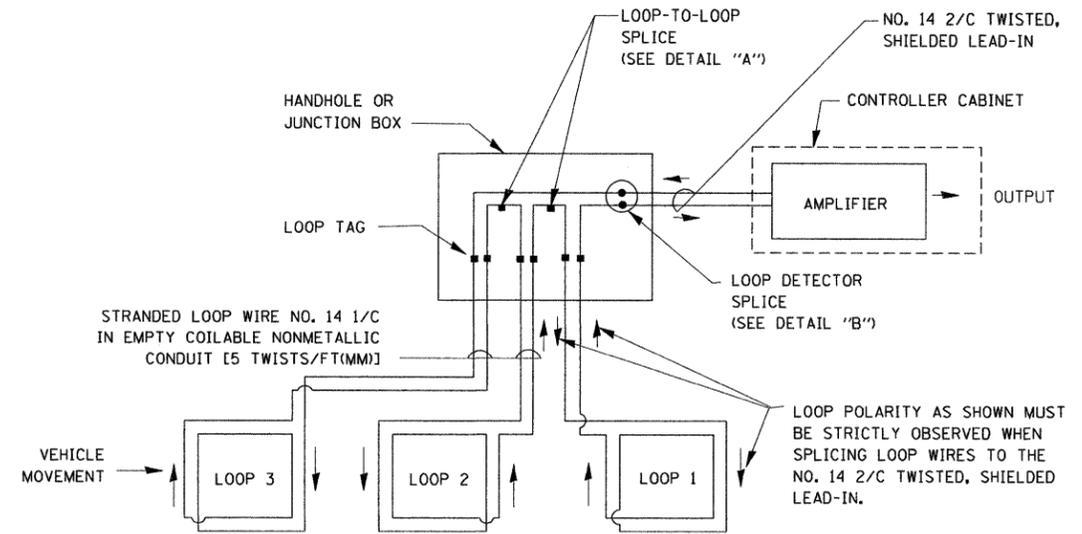
LOOP DETECTOR NOTES

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 DIVESHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

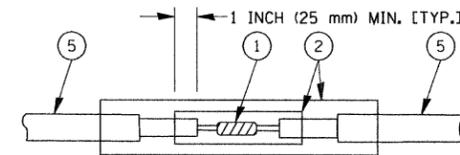


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

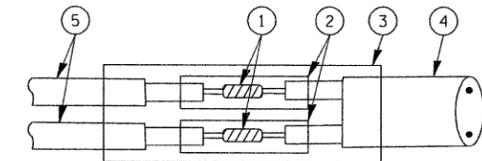


DETECTOR LOOP WIRING SCHEMATIC

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

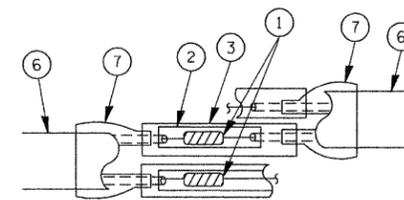


DETAIL "A" LOOP-TO-LOOP SPLICE

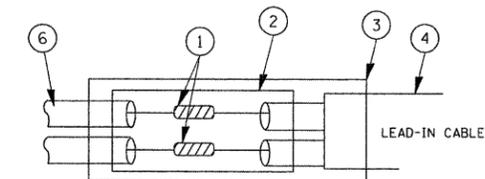


DETAIL "B" LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A" LOOP-TO-LOOP SPLICE



DETAIL "B" LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

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

FILE NAME =	USER NAME = bouerd1	DESIGNED - DAD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.P. RTE. 330	SECTION (484Y & 485Y) RS-3	COUNTY COOK	TOTAL SHEETS 44	SHEET NO. 43		
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		CHECKED - DAD	REVISED -			FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT						
		DATE - 10-28-09	REVISED -									

