

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	116 R-RS	MCHENRY	32	1
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 60H22	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

F.A.P. 334 (US 12)
SECTION 116 R-RS
IL 31 (TRYON GROVE ROAD) TO LAKE COUNTY LINE
RESURFACING (3P)

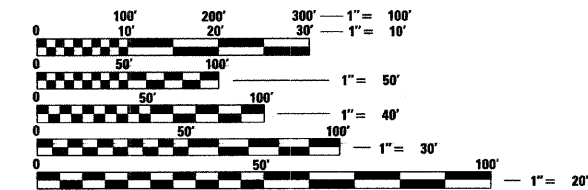
MCHENRY COUNTY
C-91-592-09

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THESE IMPROVEMENTS ARE LOCATED WITHIN
THE VILLAGES OF JOHNSBURG, RINGWOOD
AND RICHMOND

TRAFFIC DATA

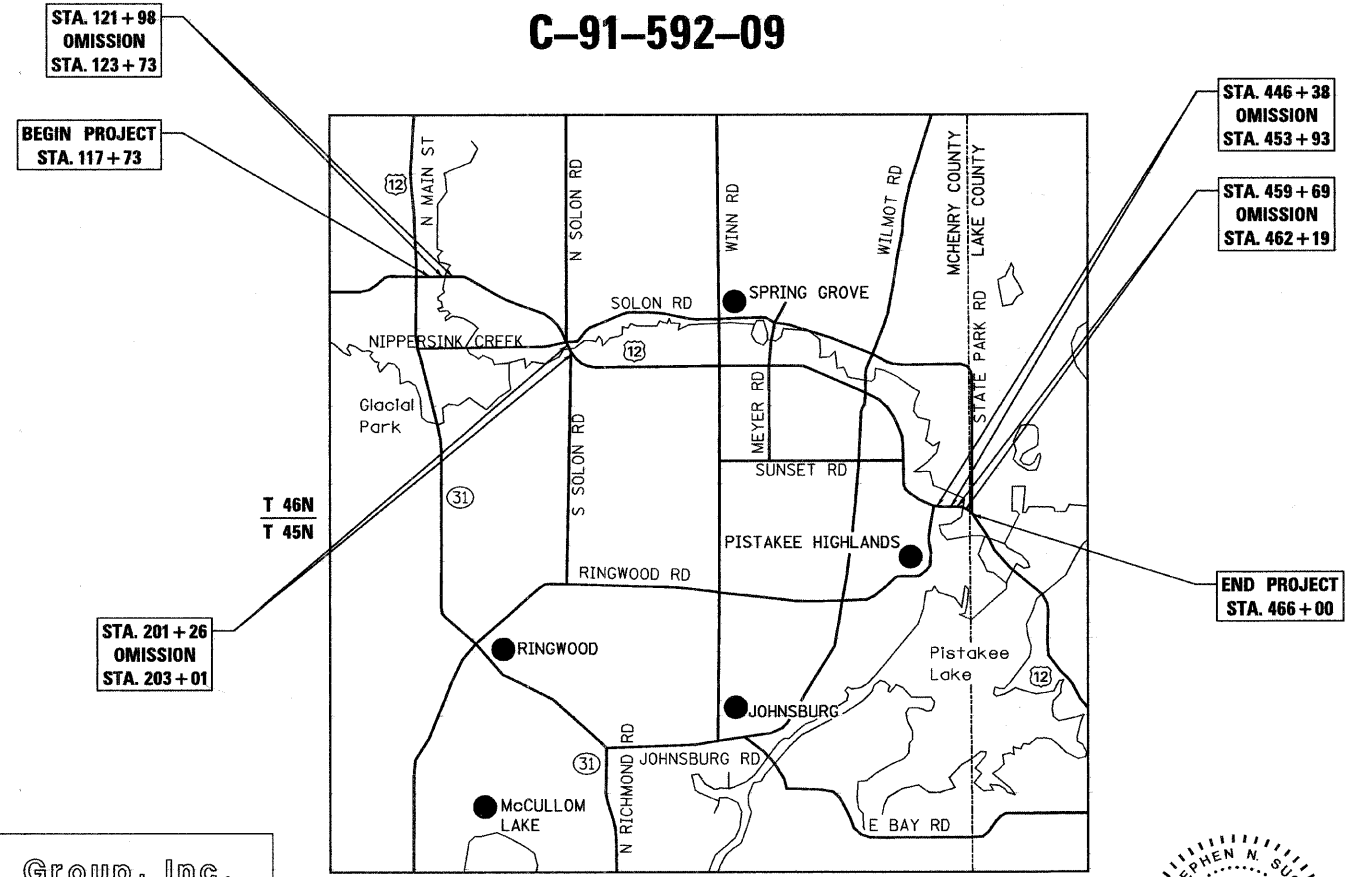
2007 ADT - 14,300
POSTED SPEED LIMIT - 55 MPH



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

Giorba Group, Inc.
DESIGN FIRM
REGISTRATION NUMBER
184-001016
CONSULTING ENGINEERS
SUITE 402, 5507 NORTH CUMBERLAND AVE
CHICAGO, ILLINOIS 60656 # (773) 775-4009



STA. 121 + 98
OMISSION
STA. 123 + 73

BEGIN PROJECT
STA. 117 + 73

STA. 201 + 26
OMISSION
STA. 203 + 01

STA. 446 + 38
OMISSION
STA. 453 + 93

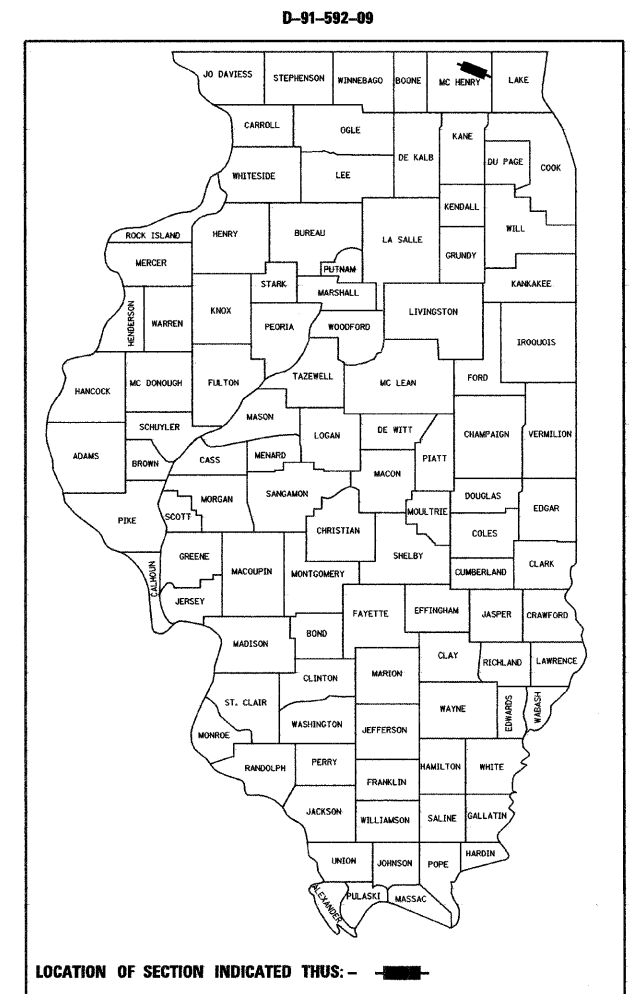
STA. 459 + 69
OMISSION
STA. 462 + 19

END PROJECT
STA. 466 + 00

GROSS LENGTH OF PROJECT = 34,827 FT = 6.60 MI.
NET LENGTH OF PROJECT = 33,472 FT = 6.34 MI.



DATE: 4/13/2009
SEAL EXPIRES: 11/30/2009



LOCATION OF SECTION INDICATED THUS: - [shaded area] -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
SUBMITTED APRIL 14 2009
Dirin M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
May 1, 2009
Charles E. Ingersoll
ENGINEER OF DESIGN AND ENVIRONMENT
May 1, 2009
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

DISTRICT 1 DESIGN PLAN PREPARATION ENGINEER: K. ENG (847)705-4247

CONTRACT NO. 60H22

INDEX OF SHEETS

SHEET NO	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	TYPICAL SECTIONS
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18-20	DETECTOR LOOP REPLACEMENT PLANS
21	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-8)
22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
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24	BUTT JOINT AND HMA TAPER DETAILS (BD-32)
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26	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT) (TC-11)
27	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
28	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
29	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING (TC-16)
30	ARTERIAL ROAD INFORMATION SIGN (TC-22)
31	TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS (TC-23)
32	DISTRICT 1 DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)

STATE STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
604001-03	FRAME AND LIDS, TYPE 1
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-03	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701201-03	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING DAY OPERATIONS-DAY ONLY
701602-04	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-06	URBAN LANE CLOSURE, MULTI LANE, INTERSECTION
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-06	TYPICAL LAYOUTS FOR DETECTION LOOPS

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)
- 10 FEET (3 METER) TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURB AND GUTTER AND MEDIANS IN THE FIELD UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:

BITUMINOUS MATERIALS (PRIME COAT)	0.0004 TONS/SQ YD
HOT-MIX ASPHALT SURFACE COURSE	112 LBS/SQ YD/INCH
POLYMERIZED LEVELING BINDER (MACHINE METHOD)	105 LBS/SQ YD/INCH
- THE ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISORS AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE START OF WORK.
- TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS THE ENGINEER SHALL CONTACT DEBBIE HANLON, AREA TRAFFIC FIELD ENGINEER, AT (847) 438-2300.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2" (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/H) OR LESS AND 1" (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 KM/H). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3" (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 3:1 (H:V).
- BUTT JOINTS WILL BE INSTALLED AT THE END OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT). IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- FOR PAVEMENT MARKING, REFER TO DISTRICT ONE TYPICAL MARKINGS FOR DETAILS SHOWN.
- MATCH EXISTING PAVEMENT MARKINGS AT PROJECT LIMITS AND OMISSIONS.
- ALL PATCHES OPENED ON A PARTICULAR DAY MUST BE FILLED THAT DAY TO THE TOP OF THE MILLED PAVEMENT SURFACE.
- IDOT TRAFFIC SIGNAL AND SYSTEM DETECTION LOOPS ARE PRESENT AT WINN ROAD, FOX LAKE ROAD AND STATE PARK ROAD. THE CONTRACTOR MUST NOTIFY THE IDOT AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER AT (847) 705-4139 AND THE DEPARTMENT'S ELECTRICAL MAINTENANCE CONTRACTOR PRIOR TO BEGINNING WORK, AT WHICH TIME ARRANGEMENTS WILL BE MADE TO ADJUST THE TRAFFIC CONTROLLER TIMING TO COMPENSATE FOR THE ABSENCE OF DETECTION. REPLACEMENT OF LOOPS DOES NOT REQUIRE MAINTENANCE TRANSFER, BUT DOES REQUIRE NOTIFICATION OF WORK AND INSPECTION. COORDINATION WITH THE DISTRICT IS CONSIDERED INCIDENTAL TO THIS CONTRACT.
- NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED

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Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402
 Chicago, Illinois 60658
 Tel. 773.775.4009 Fax 773.775.4014

USER NAME = alau	DESIGNED - DD	REVISED -
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PLOT DATE = 4/21/2009	DATE - 4/22/09	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**US 12
 IL 31 (TYRON GROVE ROAD) TO LAKE COUNTY LINE
 INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	116 R-RS	MCHENRY	32	2
CONTRACT NO. 60H22				
SCALE: SHEET NO. 2 OF 32 SHEETS STA. TO STA. FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES			URBAN 100% STATE	CONSTRUCTION TYPE CODE
CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 1000
20201006	GRADING AND SHAPING SHOULDERS	UNIT	362	362
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	125	125
40600300	AGGREGATE (PRIME COAT)	TON	620	620
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	20	20
40600535	LEVELING BINDER (HAND METHOD), N70	TON	25	25
40600895	CONSTRUCTING TEST STRIP	EACH	4	4
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,130	1,130
40600990	TEMPORARY RAMP	SQ YD	1,380	1,380
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	13,300	13,300
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	153,600	153,600
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	250	250
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	1,600	1,600
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	900	900
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	500	500
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	2,210	2,210
55039700	STORM SEWERS TO BE CLEANED	FOOT	2,100	2,100
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	5	5
60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	5	5
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1

• DENOTES SPECIALTY ITEM

SUMMARY OF QUANTITIES			URBAN 100% STATE	CONSTRUCTION TYPE CODE
CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 1000
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	20,100	20,100
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	4,200	4,200
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	224,500	224,500
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	14,400	14,400
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	900	900
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	9,000	9,000
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	1,800	1,800
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	33,200	33,200
• 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1,400	1,400
• 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	136,900	136,900
• 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	4,800	4,800
• 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	300	300
• 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	3,000	3,000
• 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	600	600
• 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1,360	1,360
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1,292	1,292
• 88600600	DETECTOR LOOP REPLACEMENT	FOOT	1,050	1,050
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	154	154
X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	8,400	8,400
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	30	30
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1

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Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014

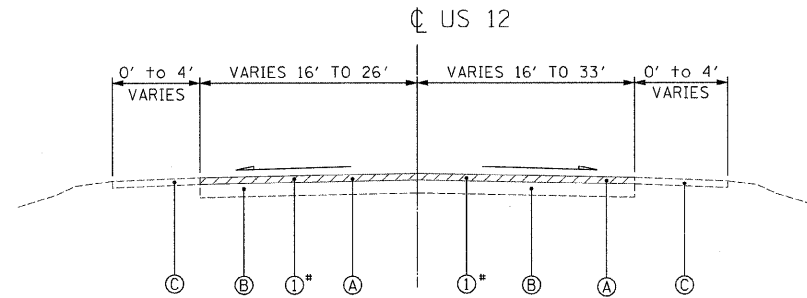
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

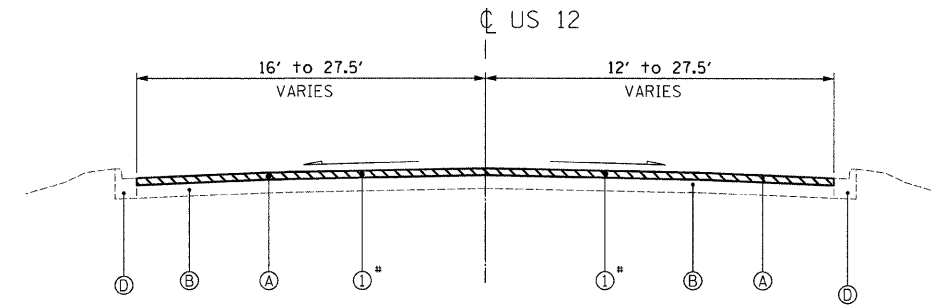
**US 12
IL 31 (TYRON GROVE ROAD) TO LAKE COUNTY LINE
SUMMARY OF QUANTITIES**

SCALE: SHEET NO. 3 OF 32 SHEETS STA. TO STA.

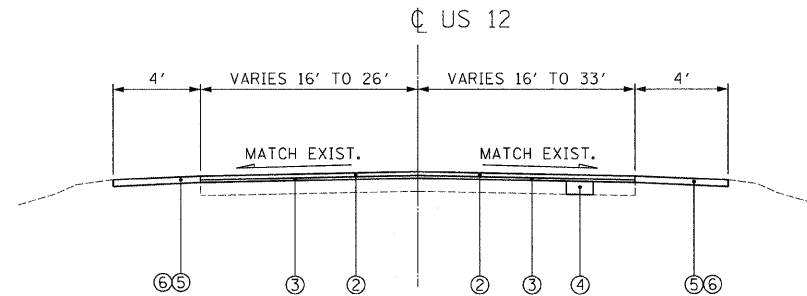
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334	116 R-RS	MCHENRY	32	3
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60H22	



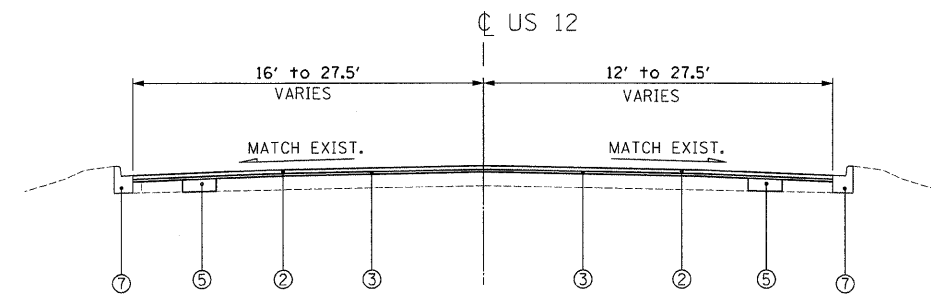
EXISTING TYPICAL SECTION
 STA. 117+73 TO STA. 121+98
 STA. 123+73 TO STA. 201+26
 STA. 203+01 TO STA. 433+87



EXISTING TYPICAL SECTION
 STA. 433+87 TO STA. 446+38
 STA. 453+93 TO STA. 459+69
 STA. 462+19 TO STA. 466+00



PROPOSED TYPICAL SECTION
 STA. 117+73 TO STA. 121+98
 STA. 123+73 TO STA. 201+26
 STA. 203+01 TO STA. 433+87



PROPOSED TYPICAL SECTION
 STA. 433+87 TO STA. 446+38
 STA. 453+93 TO STA. 459+69
 STA. 462+19 TO STA. 466+00

HOT-MIX ASPHALT MIXTURE REQUIREMENTS CHART

OPERATIONS	MIXTURE TYPE	AC TYPE	PERCENT AIR VOIDS
ROADWAY RESURFACING	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5MM)	PG 64-22	4% @ 70 GYR
	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	SBS/SBR PG 76-28/-22	4% @ 50 GYR
MAINTENANCE OF TRAFFIC	LEVELING BINDER (HAND METHOD), N70 (IL-9.5MM)	PG 64-22 *	4% @ 70 GYR
PAVEMENT PATCHING	CLASS D PATCHES, 10" (HMA BINDER IL-19 MM)	PG 64-22 *	4% @ 70 GYR

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

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

EXISTING CONDITIONS:

- Ⓐ HOT-MIX ASPHALT SURFACE AND BINDER COURSE, 3" AND VARIES
- Ⓑ HOT-MIX ASPHALT BASE COURSE, 9"
- Ⓒ AGGREGATE SHOULDER
- Ⓓ COMBINATION CONCRETE CURB AND GUTTER

PROPOSED IMPROVEMENTS:

- ① HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- ② HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ③ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ④ CLASS D PATCHES, 10" (DETERMINED BY ENGINEER IN FIELD)
- ⑤ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑥ GRADING AND SHAPING SHOULDERS
- ⑦ COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (AS DIRECTED BY ENGINEER)

A QUANTITY FOR LEVELING BINDER (HAND METHOD) HAS BEEN PROVIDED FOR USE AT ENTRANCES AFTER GRINDING OF EXISTING PAVEMENT.

* THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING

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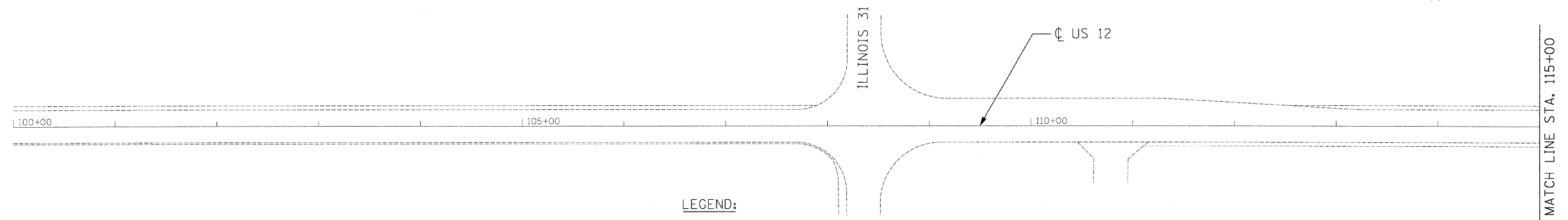
CG Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402
 Chicago, Illinois 60658
 Tel. 773.775.4009 Fax 773.775.4014

USER NAME = oia	DESIGNED - DD	REVISED -
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	DATE - 4/22/09	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

US 12
 IL 31 (TYRON GROVE ROAD) TO LAKE COUNTY LINE
 TYPICAL SECTIONS
 SCALE: N.T.S. SHEET NO. 4 OF 32 SHEETS STA. TO STA.

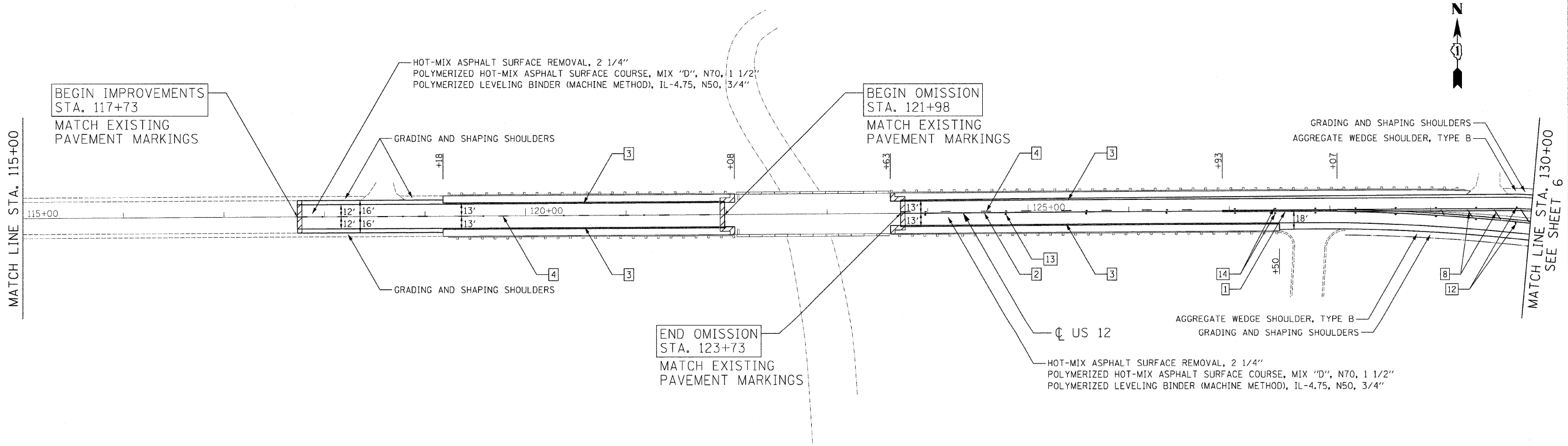
F.A.P. RTE. 334	SECTION 116 R-RS	COUNTY MCHENRY	TOTAL SHEETS 32	SHEET NO. 4
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				CONTRACT NO. 60H22



LEGEND:

- | | |
|--|---|
| <ul style="list-style-type: none"> 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C) 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE) 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) 4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW LANE LINE - 10' DASH, 30' SKIP) WITH RAISED REFLECTIVE PAVEMENT MARKERS (1 TWO-WAY AMBER MARKER) (80' C-C) 5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) WITH RAISED REFLECTIVE PAVEMENT MARKERS (2 ONE-WAY CRYSTAL MARKER) (80' C-C) 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE) 7 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | <ul style="list-style-type: none"> 8 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE) 9 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONAL LINE) 10 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE) 11 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.) 12 RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER MARKER) (40' C-C) 13 RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER MARKER) (80' C-C) 14 RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER MARKER) (40' C-C) 15 RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER MARKER) (80' C-C) 16 RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRYSTAL MARKER) (40' C-C) |
|--|---|

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
TEMPORARY RAMP



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Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014

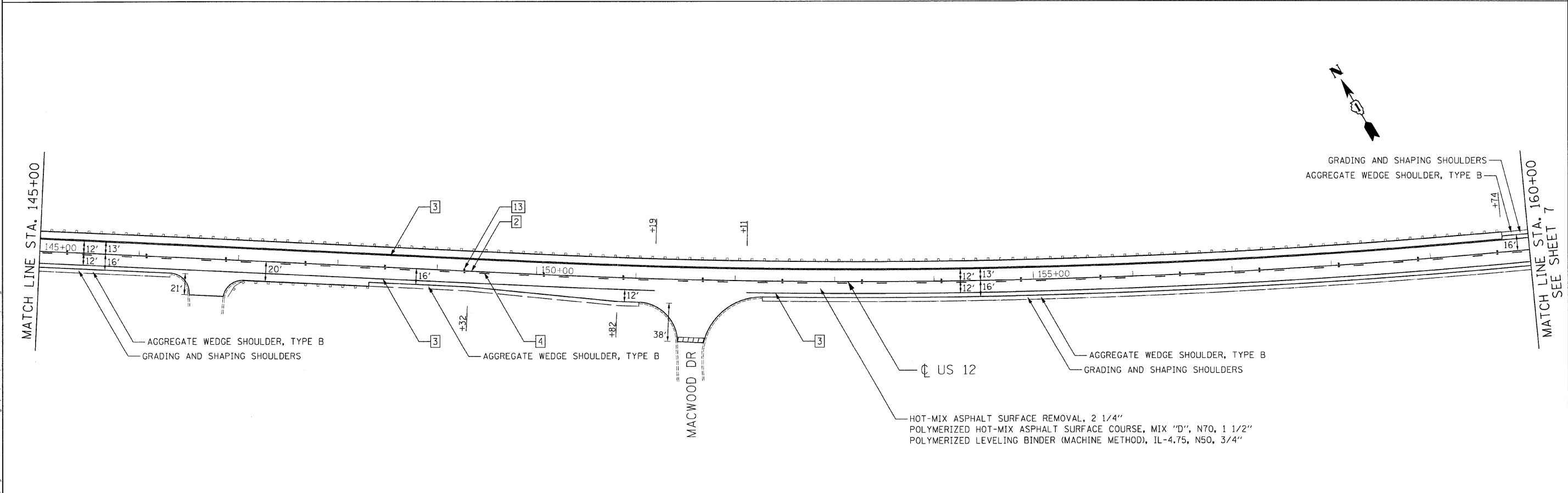
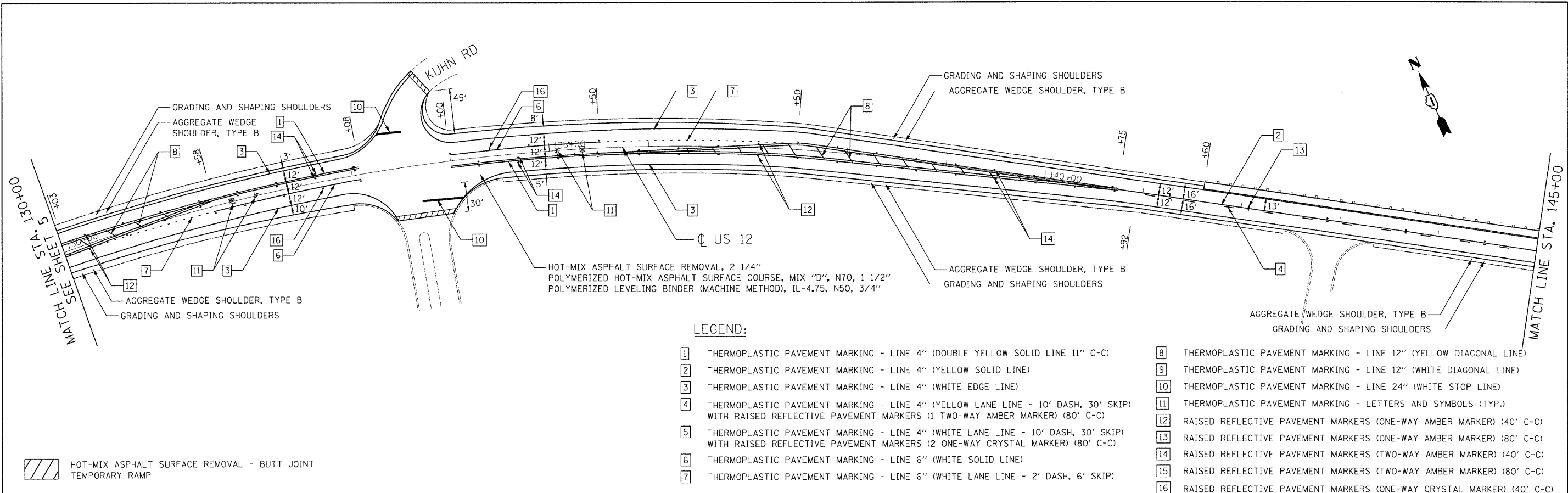
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	DATE - 4/22/09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 12
IL 31 (TYRON GROVE ROAD) TO LAKE COUNTY LINE
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: 1"=50' SHEET NO. 5 OF 32 SHEETS STA. 100+00 TO STA. 130+00

F.A.P. RTE. 334	SECTION 116 R-RS	COUNTY MCHENRY	TOTAL SHEETS 32	SHEET NO. 5
CONTRACT NO. 60H22			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



LEGEND:

- | | |
|---|--|
| <p>1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)</p> <p>2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)</p> <p>3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE)</p> <p>4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW LANE LINE - 10' DASH, 30' SKIP) WITH RAISED REFLECTIVE PAVEMENT MARKERS (1 TWO-WAY AMBER MARKER) (80' C-C)</p> <p>5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) WITH RAISED REFLECTIVE PAVEMENT MARKERS (2 ONE-WAY CRYSTAL MARKER) (80' C-C)</p> <p>6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)</p> <p>7 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)</p> | <p>8 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)</p> <p>9 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONAL LINE)</p> <p>10 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE)</p> <p>11 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.)</p> <p>12 RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER MARKER) (40' C-C)</p> <p>13 RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER MARKER) (80' C-C)</p> <p>14 RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER MARKER) (40' C-C)</p> <p>15 RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER MARKER) (80' C-C)</p> <p>16 RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRYSTAL MARKER) (40' C-C)</p> |
|---|--|

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
TEMPORARY RAMP

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CG Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014

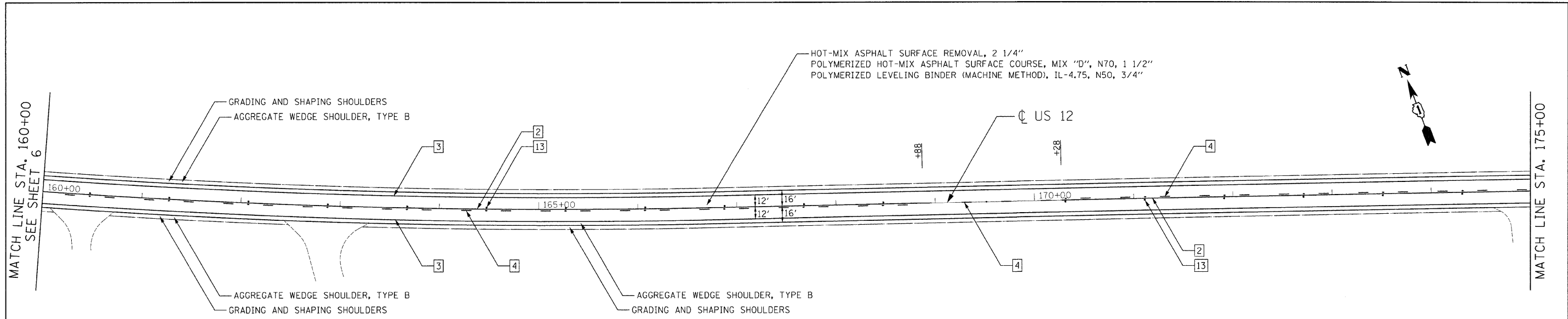
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 12
IL 31 (TYRON GROVE ROAD) TO LAKE COUNTY LINE
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: 1"=50' SHEET NO. 6 OF 32 SHEETS STA. 130+00 TO STA. 160+00

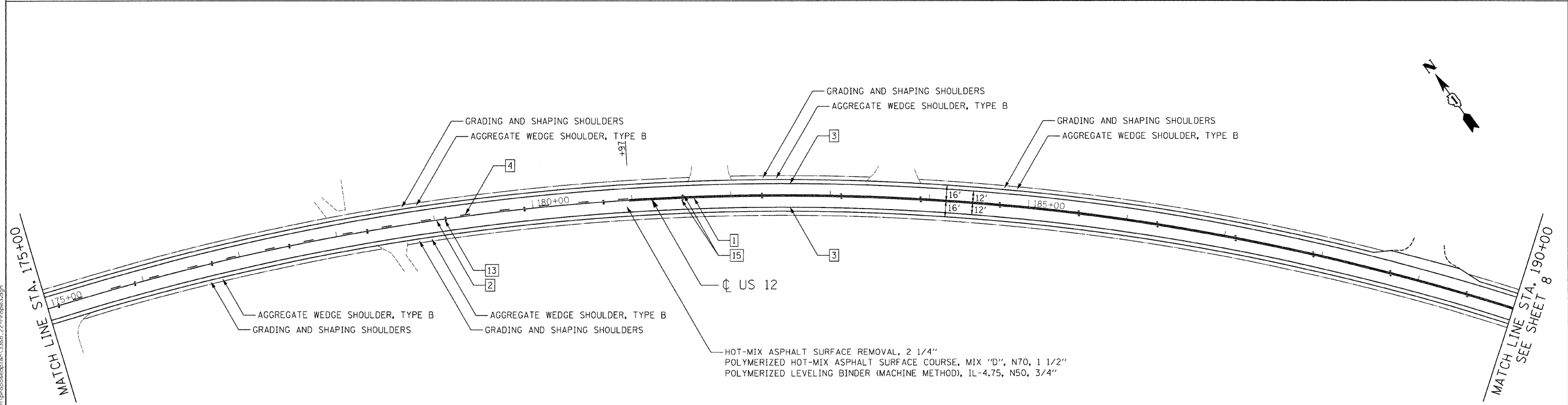
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	116 R-RS	MCHENRY	32	6
CONTRACT NO. 60H22			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



LEGEND:

- | | |
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| <ul style="list-style-type: none"> 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C) 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE) 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) 4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW LANE LINE - 10' DASH, 30' SKIP) WITH RAISED REFLECTIVE PAVEMENT MARKERS (1 TWO-WAY AMBER MARKER) (80' C-C) 5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) WITH RAISED REFLECTIVE PAVEMENT MARKERS (2 ONE-WAY CRYSTAL MARKER) (80' C-C) 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE) 7 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | <ul style="list-style-type: none"> 8 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE) 9 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONAL LINE) 10 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE) 11 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.) 12 RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER MARKER) (40' C-C) 13 RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER MARKER) (80' C-C) 14 RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER MARKER) (40' C-C) 15 RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER MARKER) (80' C-C) 16 RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRYSTAL MARKER) (40' C-C) |
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HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
TEMPORARY RAMP



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5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014

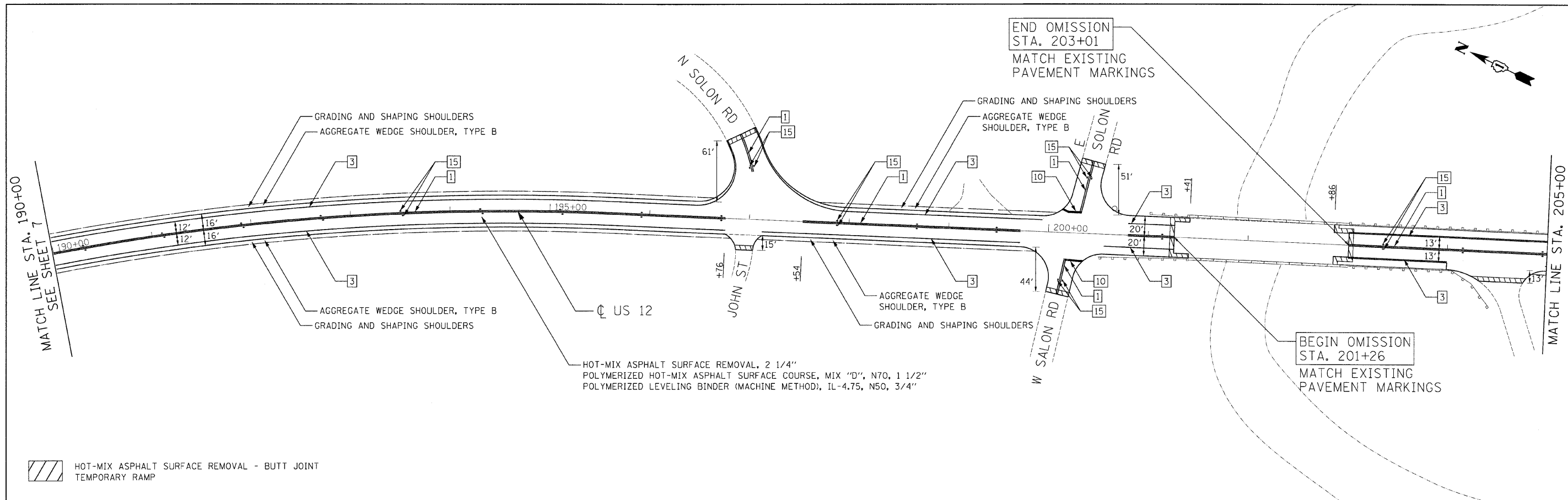
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	DATE - 4/22/09	REVISED -


**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 12
IL 31 (TYRON GROVE ROAD) TO LAKE COUNTY LINE
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: 1"=50' SHEET NO. 7 OF 32 SHEETS STA. 160+00 TO STA. 190+00

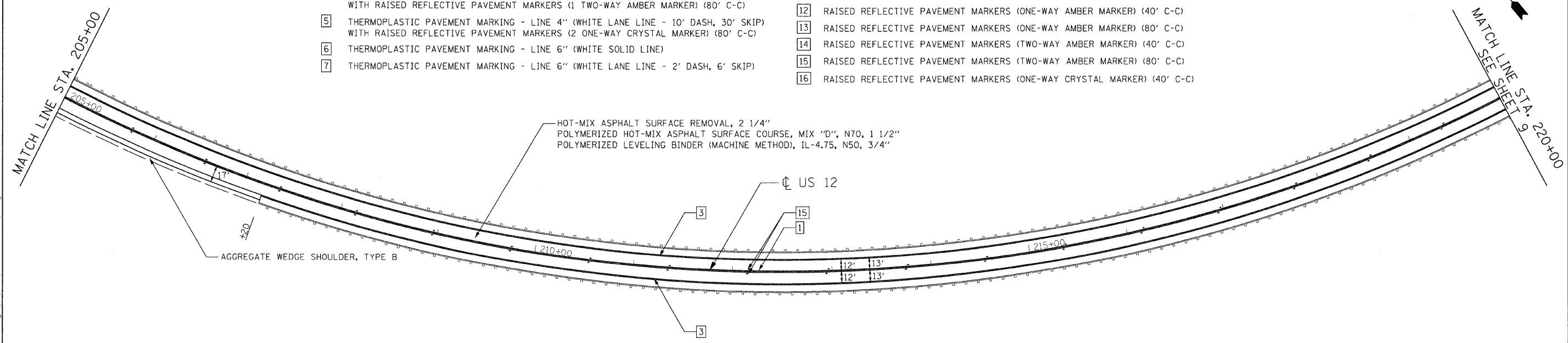
F.A.P. RTE. 334	SECTION 116 R-RS	COUNTY MCHENRY	TOTAL SHEETS 32	SHEET NO. 7
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60H22	



 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
 TEMPORARY RAMP

LEGEND:

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|--|---|
| <ul style="list-style-type: none"> 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C) 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE) 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) 4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW LANE LINE - 10' DASH, 30' SKIP) WITH RAISED REFLECTIVE PAVEMENT MARKERS (1 TWO-WAY AMBER MARKER) (80' C-C) 5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) WITH RAISED REFLECTIVE PAVEMENT MARKERS (2 ONE-WAY CRYSTAL MARKER) (80' C-C) 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE) 7 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | <ul style="list-style-type: none"> 8 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE) 9 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONAL LINE) 10 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE) 11 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.) 12 RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER MARKER) (40' C-C) 13 RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER MARKER) (80' C-C) 14 RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER MARKER) (40' C-C) 15 RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER MARKER) (80' C-C) 16 RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRYSTAL MARKER) (40' C-C) |
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 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402
 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014

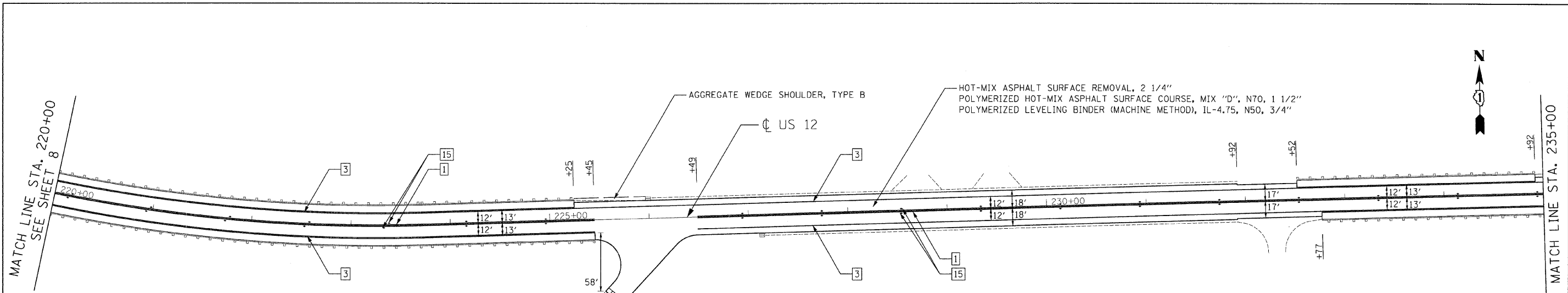
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	DATE - 4/22/09	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

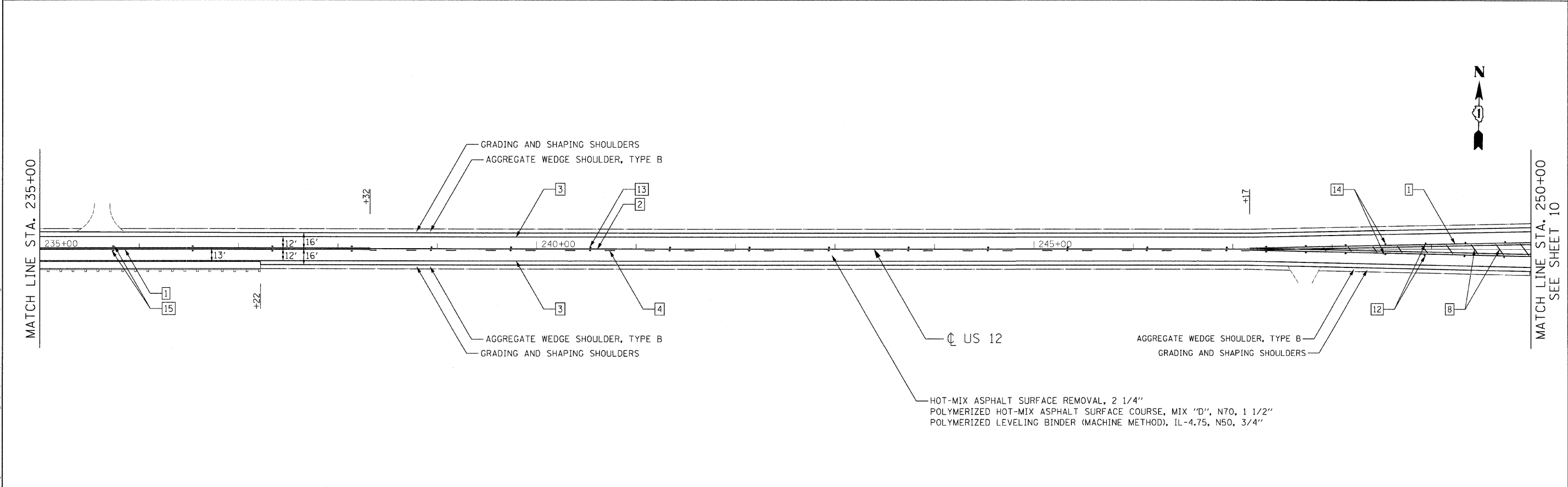
**US 12
 IL 31 (TYRON GROVE ROAD) TO LAKE COUNTY LINE
 PROPOSED ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: 1"=50' SHEET NO. 8 OF 32 SHEETS STA. 190+00 TO STA. 220+00

F.A.P. RTE. 334	SECTION 116 R-RS	COUNTY MCHENRY	TOTAL SHEETS 32	SHEET NO. 8
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60H22	

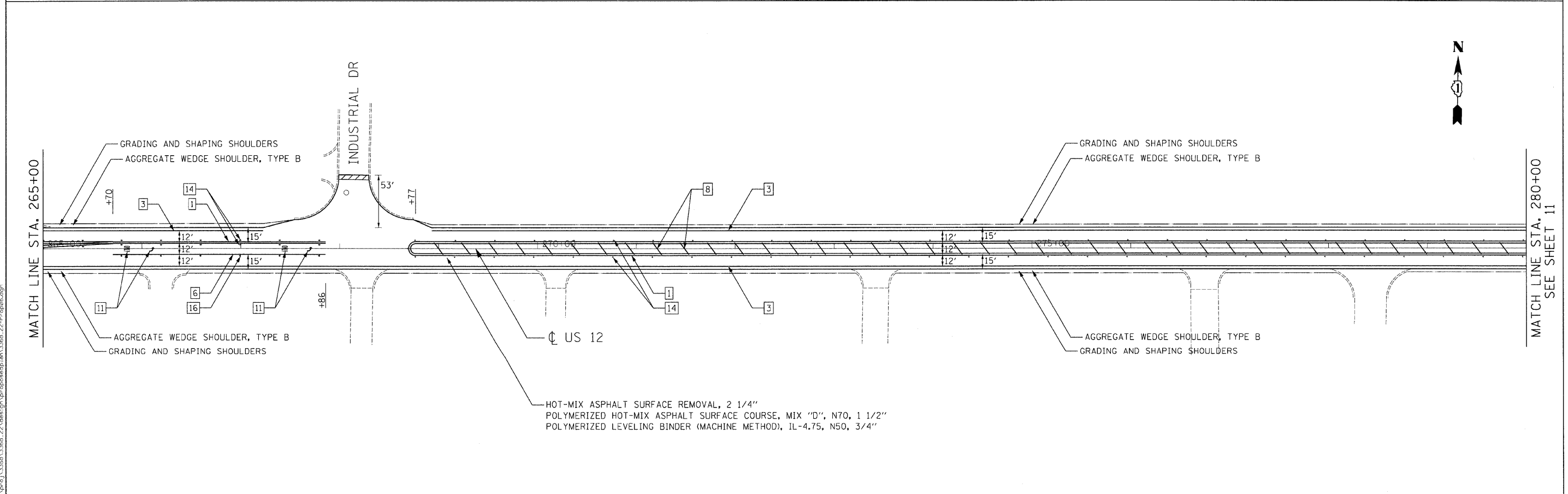
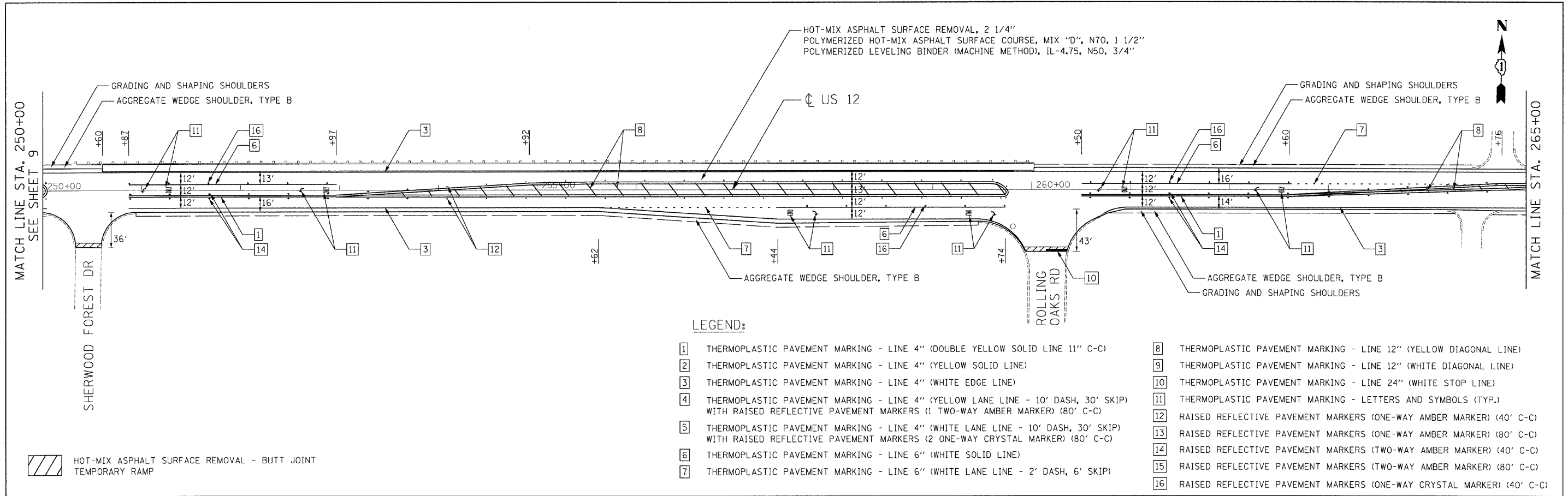


- LEGEND:**
- | | | | |
|---|--|----|---|
| 1 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C) | 8 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE) |
| 2 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE) | 9 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONAL LINE) |
| 3 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) | 10 | THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE) |
| 4 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW LANE LINE - 10' DASH, 30' SKIP) WITH RAISED REFLECTIVE PAVEMENT MARKERS (1 TWO-WAY AMBER MARKER) (80' C-C) | 11 | THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.) |
| 5 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) WITH RAISED REFLECTIVE PAVEMENT MARKERS (2 ONE-WAY CRYSTAL MARKER) (80' C-C) | 12 | RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER MARKER) (40' C-C) |
| 6 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE) | 13 | RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER MARKER) (80' C-C) |
| 7 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | 14 | RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER MARKER) (40' C-C) |
| | | 15 | RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER MARKER) (80' C-C) |
| | | 16 | RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRYSTAL MARKER) (40' C-C) |
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
 TEMPORARY RAMP



Ciorba Group, Inc. CONSULTING ENGINEERS 5507 North Cumberland Avenue, Suite 402 Chicago, Illinois 60656 Tel. 773.775.4009 Fax 773.775.4014	USER NAME = alou	DESIGNED - DD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 12 IL 31 (TYRON GROVE ROAD) TO LAKE COUNTY LINE PROPOSED ROADWAY AND PAVEMENT MARKING PLAN		F.A.P. RTE. 334	SECTION 116 R-RS	COUNTY MCHENRY	TOTAL SHEETS 32	SHEET NO. 9
	PLOT SCALE = 50.0000' / IN.	DRAWN - RJR	REVISED -		SCALE: 1"=50'	SHEET NO. 9 OF 32 SHEETS	STA. 220+00 TO STA. 250+00	FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT	CONTRACT NO. 60H22	
	PLOT DATE = 4/21/2009	CHECKED - SNS	REVISED -								
		DATE - 4/22/09	REVISED -								

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 Chicago, Illinois 60656
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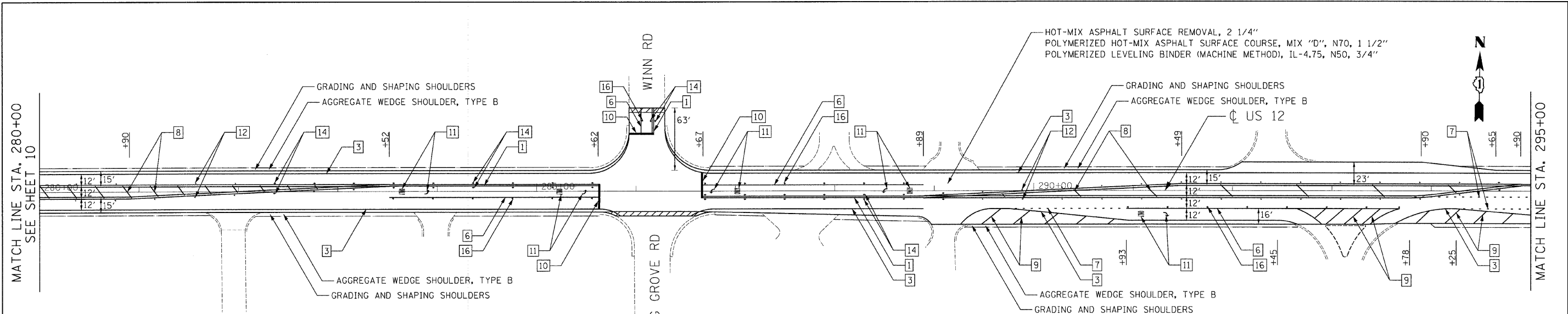
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**US 12
 IL 31 (TYRON GROVE ROAD) TO LAKE COUNTY LINE
 PROPOSED ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: 1"=50' SHEET NO. 10 OF 32 SHEETS STA. 250+00 TO STA. 280+00

F.A.P. RTE. 334	SECTION 116 R-RS	COUNTY MCHENRY	TOTAL SHEETS 32	SHEET NO. 10
CONTRACT NO. 60H22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

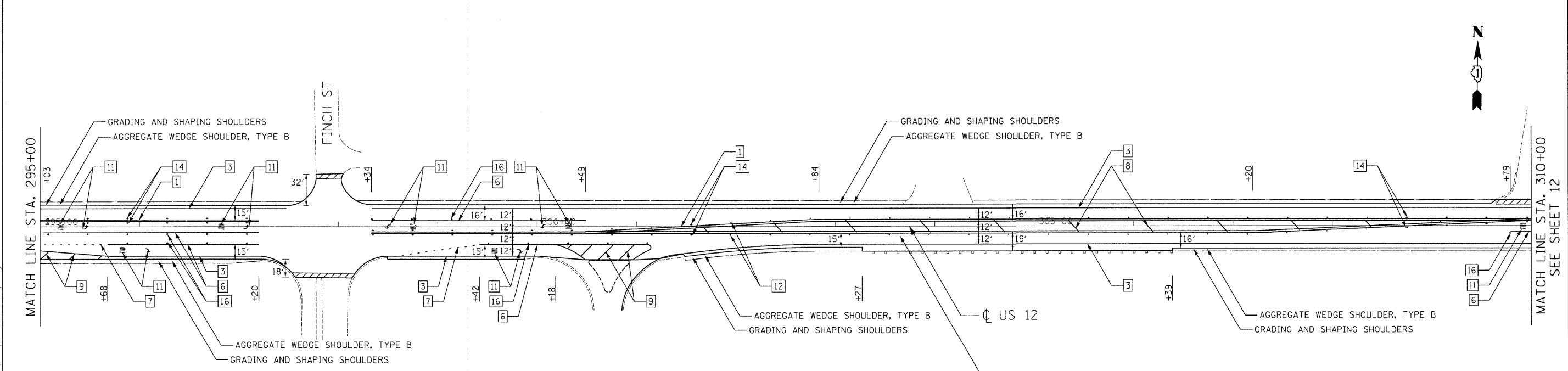
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LEGEND:

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|---|--|----|---|
| 1 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C) | 8 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE) |
| 2 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE) | 9 | THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONAL LINE) |
| 3 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) | 10 | THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE) |
| 4 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW LANE LINE - 10' DASH, 30' SKIP) WITH RAISED REFLECTIVE PAVEMENT MARKERS (1 TWO-WAY AMBER MARKER) (80' C-C) | 11 | THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.) |
| 5 | THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) WITH RAISED REFLECTIVE PAVEMENT MARKERS (2 ONE-WAY CRYSTAL MARKER) (80' C-C) | 12 | RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER MARKER) (40' C-C) |
| 6 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE) | 13 | RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER MARKER) (80' C-C) |
| 7 | THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | 14 | RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER MARKER) (40' C-C) |
| | | 15 | RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER MARKER) (80' C-C) |
| | | 16 | RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRYSTAL MARKER) (40' C-C) |

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
TEMPORARY RAMP



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CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
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USER NAME = oiaou	DESIGNED - DD	REVISED -
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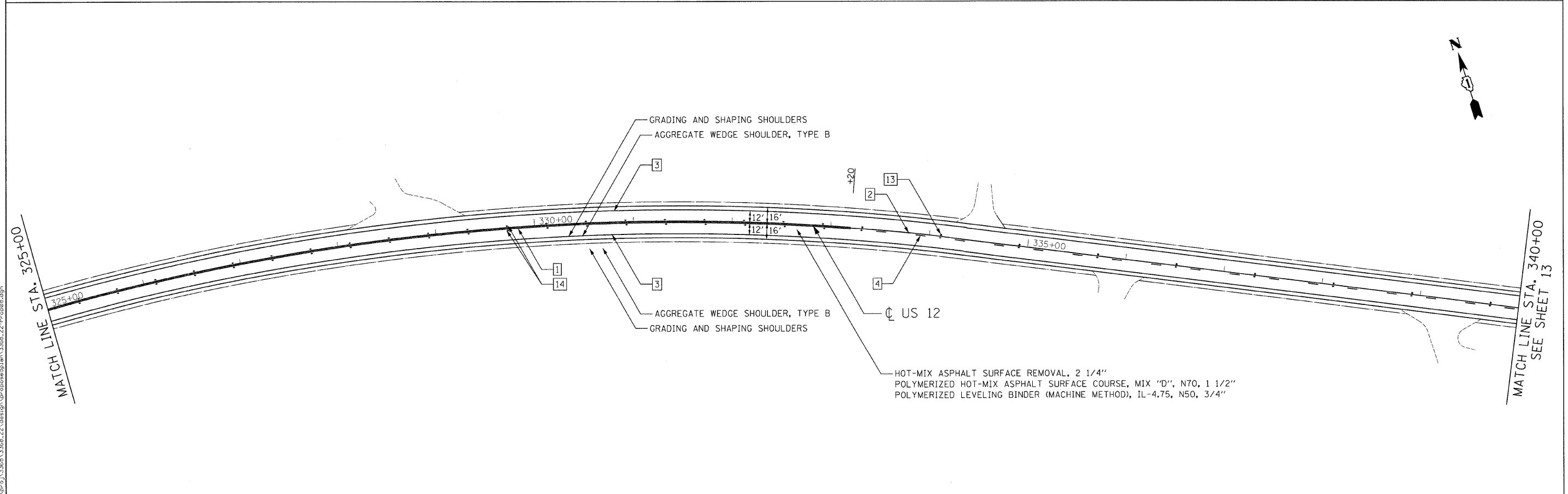
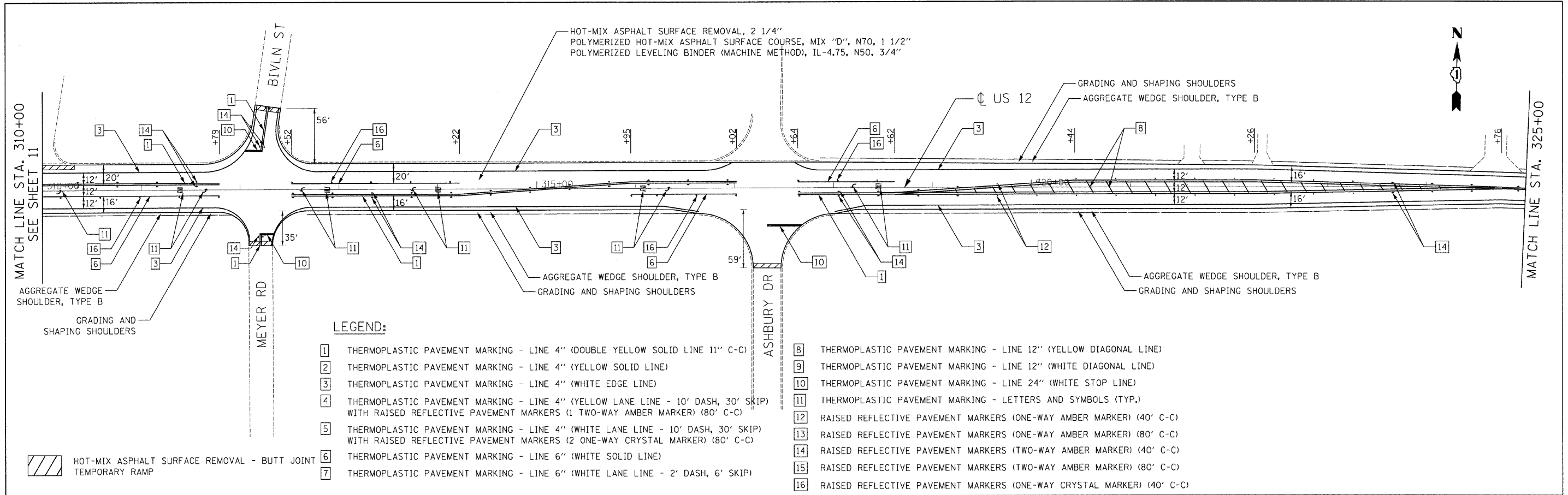
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 12
IL 31 (TYRON GROVE ROAD) TO LAKE COUNTY LINE
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: 1"=50' SHEET NO. 11 OF 32 SHEETS STA. 280+00 TO STA. 310+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	116 R-RS	MCHENRY	32	11
CONTRACT NO. 60H22			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

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 Chicago, Illinois 60656
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	DATE - 4/22/09	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

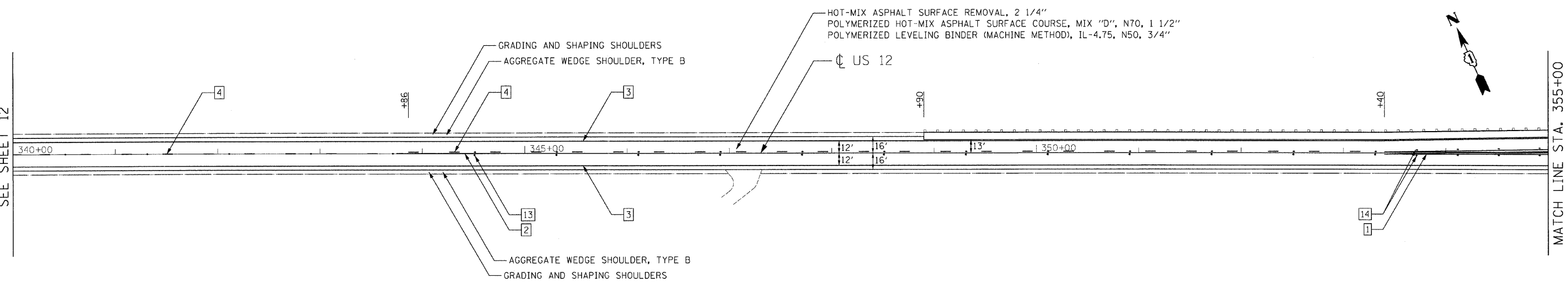
**US 12
 IL 31 (TYRON GROVE ROAD) TO LAKE COUNTY LINE
 PROPOSED ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: 1"=50' SHEET NO. 12 OF 32 SHEETS STA. 310+00 TO STA. 340+00

F.A.P. RTE. 334	SECTION 116 R-RS	COUNTY MCHENRY	TOTAL SHEETS 32	SHEET NO. 12
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60H22	

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MATCH LINE STA. 340+00
SEE SHEET 12



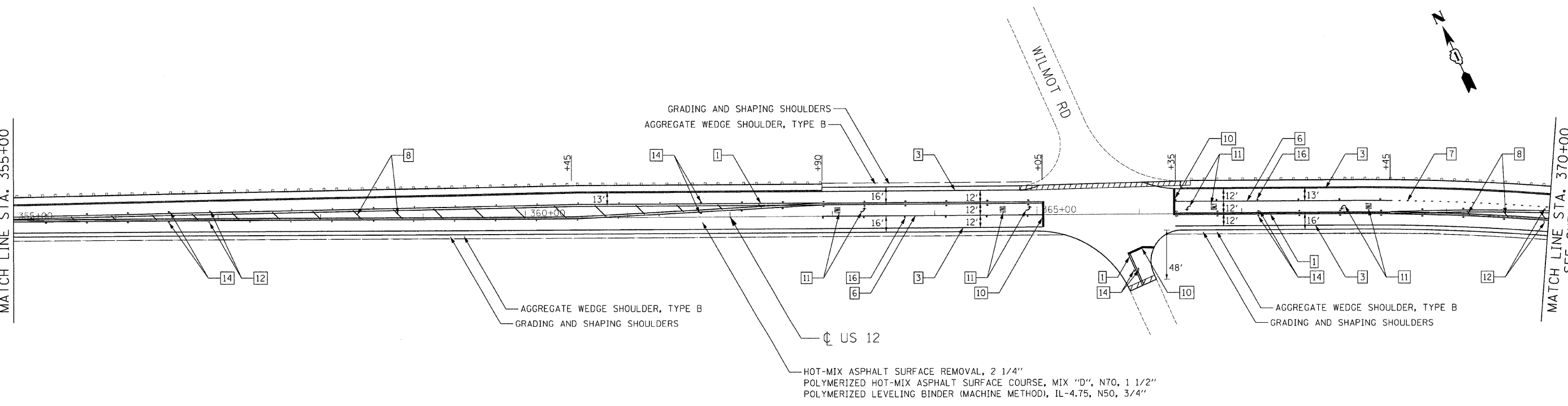
MATCH LINE STA. 355+00

LEGEND:

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| <p>1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)</p> <p>2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)</p> <p>3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE)</p> <p>4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW LANE LINE - 10' DASH, 30' SKIP) WITH RAISED REFLECTIVE PAVEMENT MARKERS (1 TWO-WAY AMBER MARKER) (80' C-C)</p> <p>5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) WITH RAISED REFLECTIVE PAVEMENT MARKERS (2 ONE-WAY CRYSTAL MARKER) (80' C-C)</p> <p>6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)</p> <p>7 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)</p> | <p>8 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)</p> <p>9 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONAL LINE)</p> <p>10 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE)</p> <p>11 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.)</p> <p>12 RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER MARKER) (40' C-C)</p> <p>13 RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER MARKER) (80' C-C)</p> <p>14 RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER MARKER) (40' C-C)</p> <p>15 RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER MARKER) (80' C-C)</p> <p>16 RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRYSTAL MARKER) (40' C-C)</p> |
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HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
TEMPORARY RAMP

MATCH LINE STA. 355+00



MATCH LINE STA. 370+00
SEE SHEET 14

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Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014

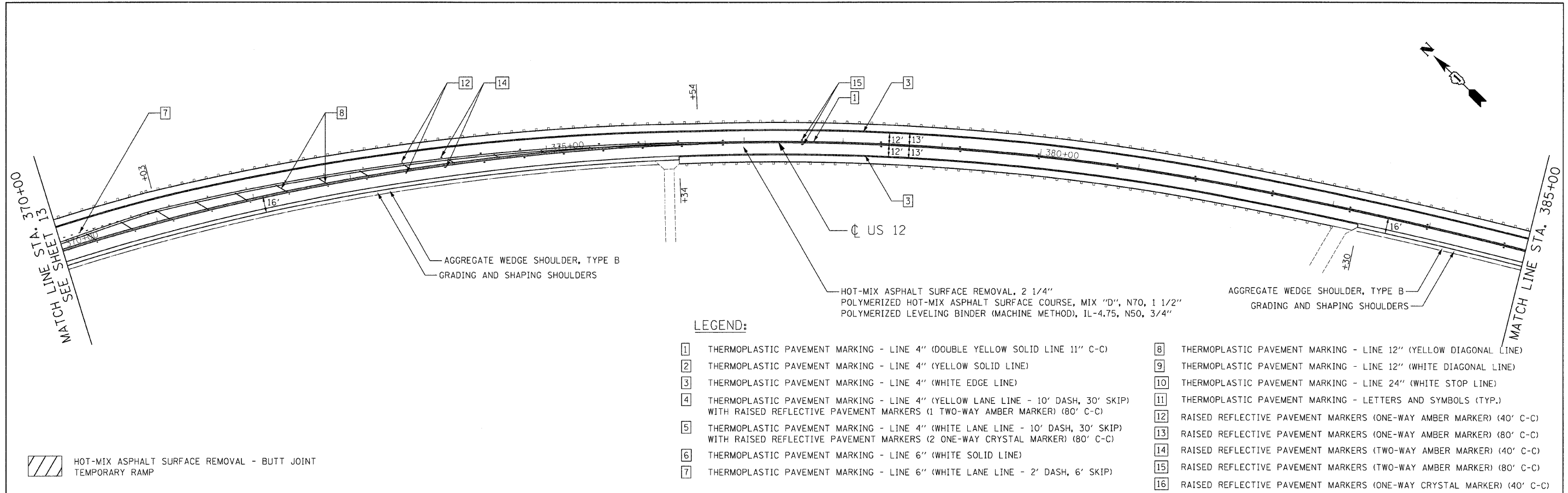
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 12
IL 31 (TYRON GROVE ROAD) TO LAKE COUNTY LINE
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: 1"=50' SHEET NO. 13 OF 32 SHEETS STA. 340+00 TO STA. 370+00

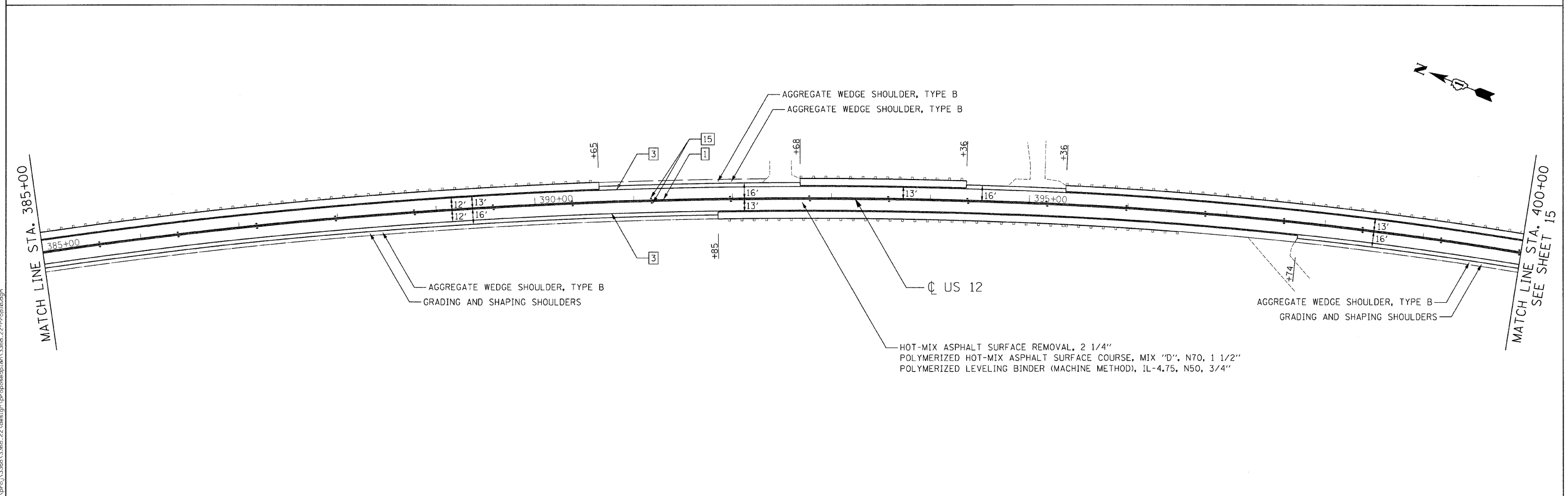
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	116 R-RS	MCHENRY	32	13
CONTRACT NO. 60H22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
TEMPORARY RAMP

LEGEND:

- | | |
|---|--|
| <p>1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)</p> <p>2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)</p> <p>3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE)</p> <p>4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW LANE LINE - 10' DASH, 30' SKIP) WITH RAISED REFLECTIVE PAVEMENT MARKERS (1 TWO-WAY AMBER MARKER) (80' C-C)</p> <p>5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) WITH RAISED REFLECTIVE PAVEMENT MARKERS (2 ONE-WAY CRYSTAL MARKER) (80' C-C)</p> <p>6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)</p> <p>7 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)</p> | <p>8 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)</p> <p>9 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONAL LINE)</p> <p>10 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE)</p> <p>11 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.)</p> <p>12 RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER MARKER) (40' C-C)</p> <p>13 RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER MARKER) (80' C-C)</p> <p>14 RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER MARKER) (40' C-C)</p> <p>15 RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER MARKER) (80' C-C)</p> <p>16 RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRYSTAL MARKER) (40' C-C)</p> |
|---|--|



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Chicago, Illinois 60656
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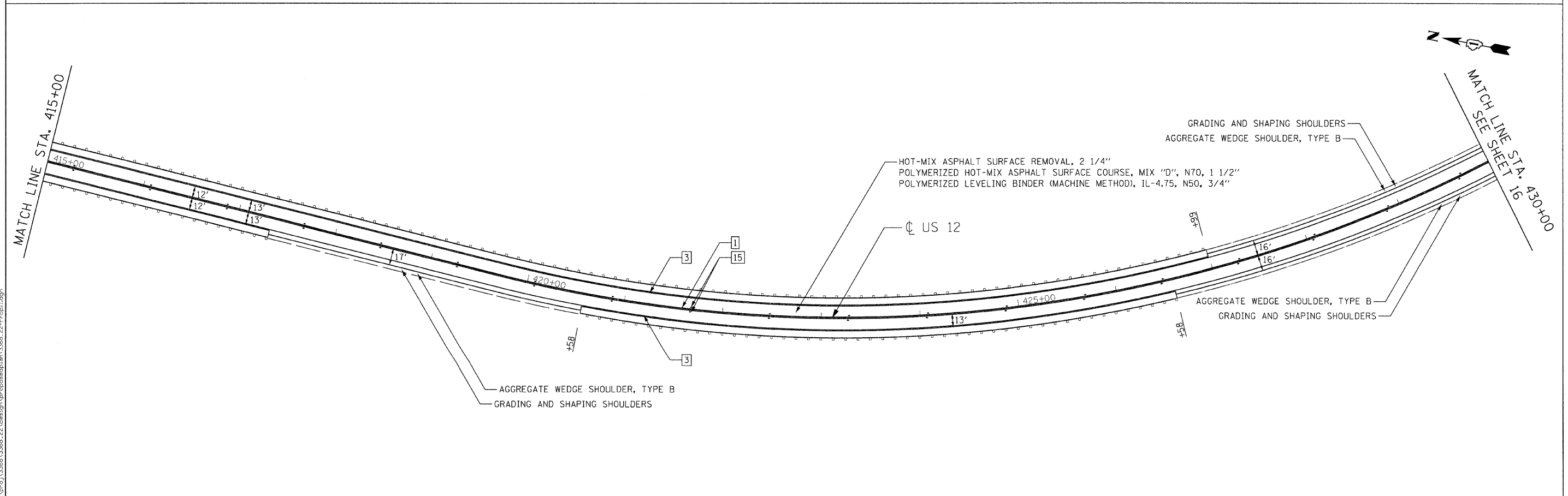
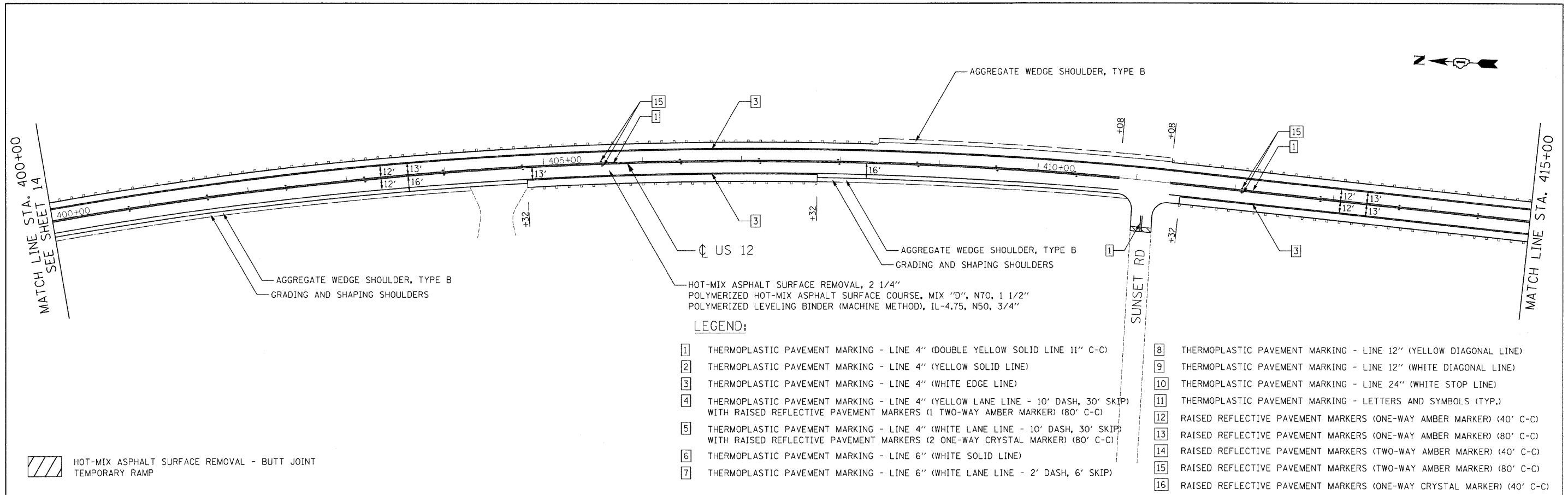
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	DATE - 4/22/09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 12
IL 31 (TYRON GROVE ROAD) TO LAKE COUNTY LINE
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: 1"=50' SHEET NO. 14 OF 32 SHEETS STA. 370+00 TO STA. 400+00

F.A.P. RTE. 334	SECTION 116 R-RS	COUNTY MCHENRY	TOTAL SHEETS 32	SHEET NO. 14
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60H22	



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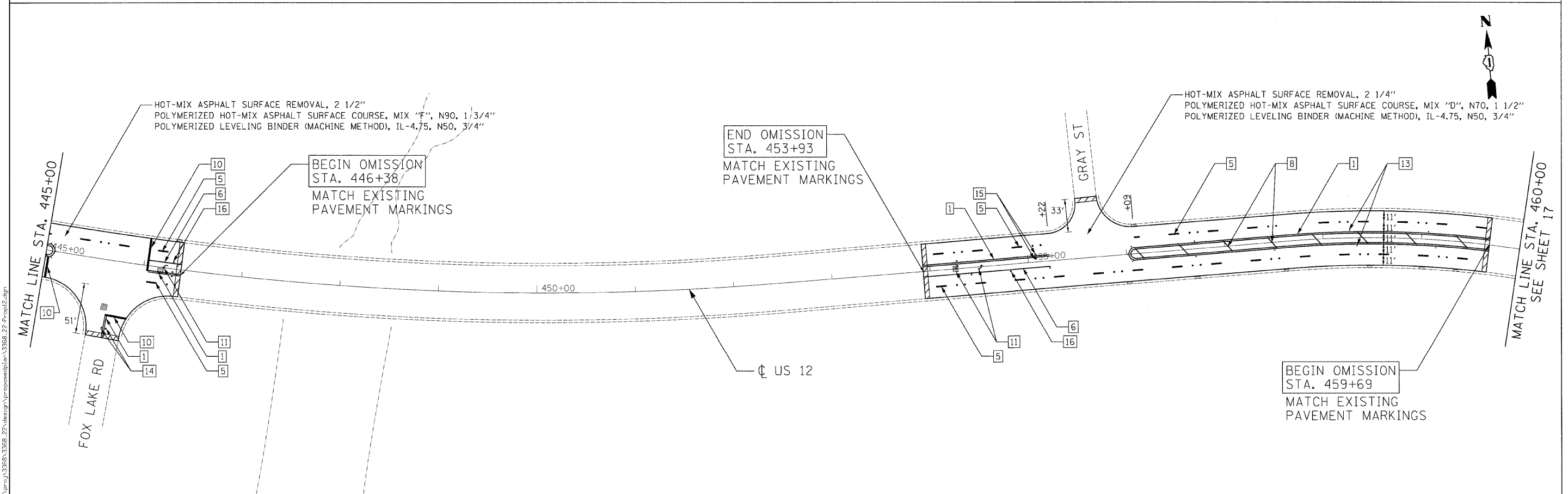
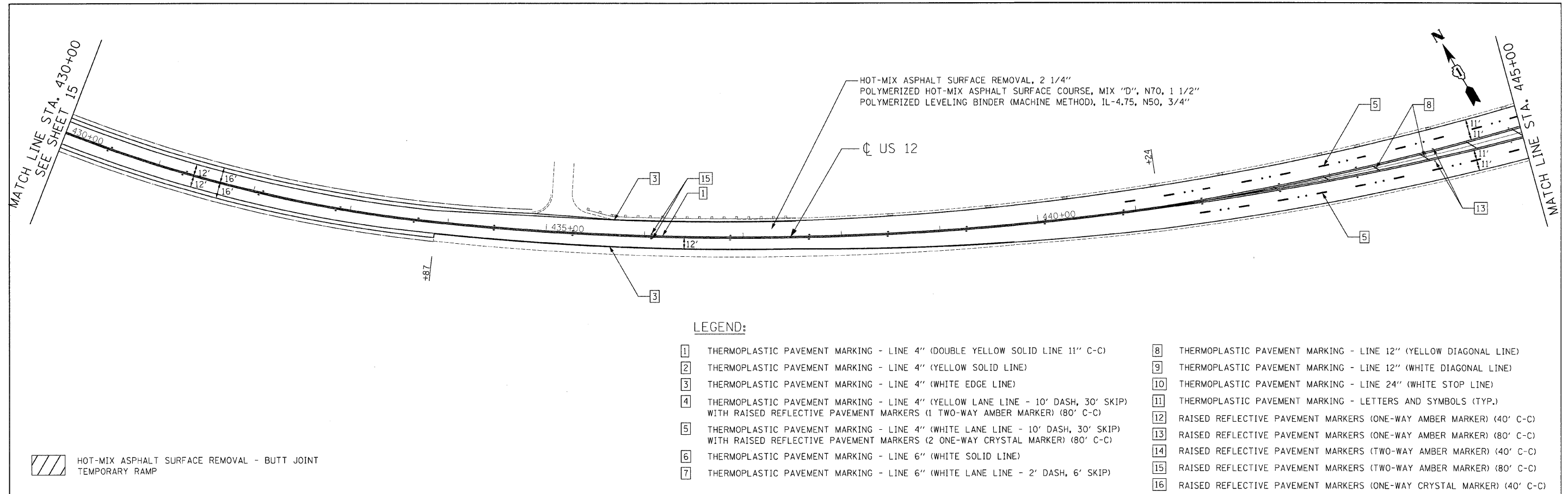
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 12
IL 31 (TYRON GROVE ROAD) TO LAKE COUNTY LINE
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN**

SCALE: 1"=50' SHEET NO. 15 OF 32 SHEETS STA. 400+00 TO STA. 430+00

F.A.P. RTE. 334	SECTION 116 R-RS	COUNTY MCHENRY	TOTAL SHEETS 32	SHEET NO. 15
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				CONTRACT NO. 60H22

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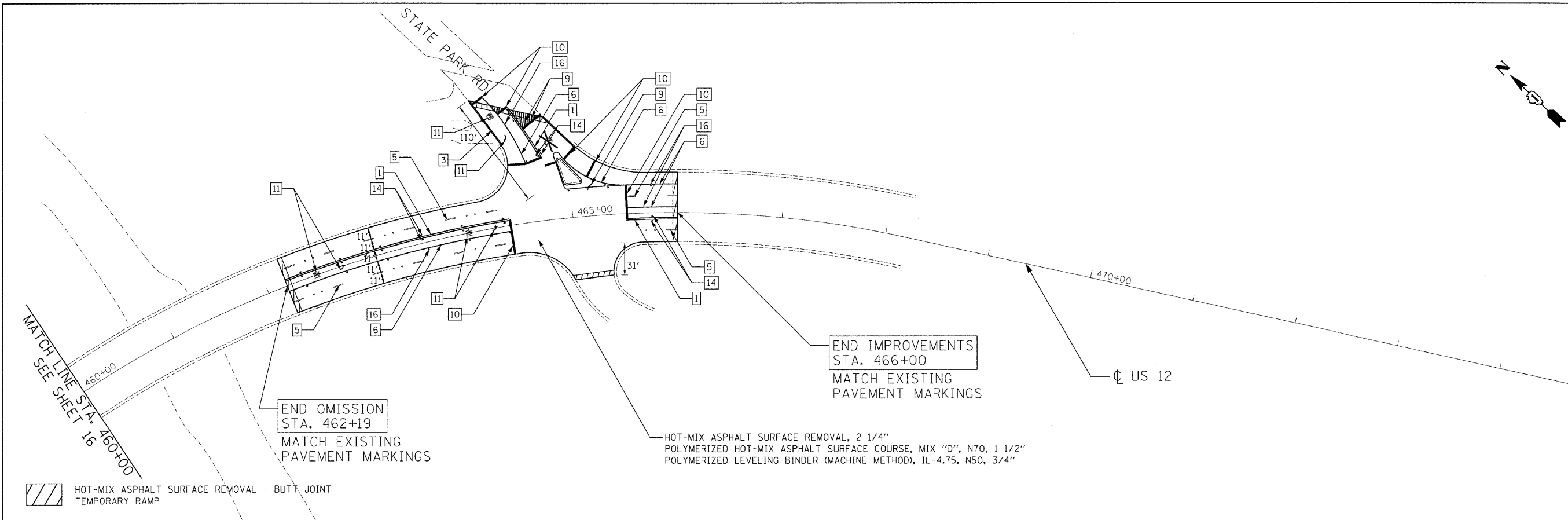
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USER NAME = oia	DESIGNED - DD	REVISED -
PLOT SCALE = 50.0000' / IN.	DRAWN - RJR	REVISED -
PLOT DATE = 4/21/2009	CHECKED - SNS	REVISED -
	DATE - 4/22/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 12
IL 31 (TYRON GROVE ROAD) TO LAKE COUNTY LINE
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN
 SCALE: 1"=50' SHEET NO. 16 OF 32 SHEETS STA. 430+00 TO STA. 460+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	116 R-RS	MCHENRY	32	16
CONTRACT NO. 60H22			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
 TEMPORARY RAMP

LEGEND:

- | | |
|--|---|
| <ul style="list-style-type: none"> 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C) 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE) 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE) 4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW LANE LINE - 10' DASH, 30' SKIP) WITH RAISED REFLECTIVE PAVEMENT MARKERS (1 TWO-WAY AMBER MARKER) (80' C-C) 5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) WITH RAISED REFLECTIVE PAVEMENT MARKERS (2 ONE-WAY CRYSTAL MARKER) (80' C-C) 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE) 7 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | <ul style="list-style-type: none"> 8 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE) 9 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONAL LINE) 10 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE) 11 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.) 12 RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER MARKER) (40' C-C) 13 RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER MARKER) (80' C-C) 14 RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER MARKER) (40' C-C) 15 RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER MARKER) (80' C-C) 16 RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRYSTAL MARKER) (40' C-C) |
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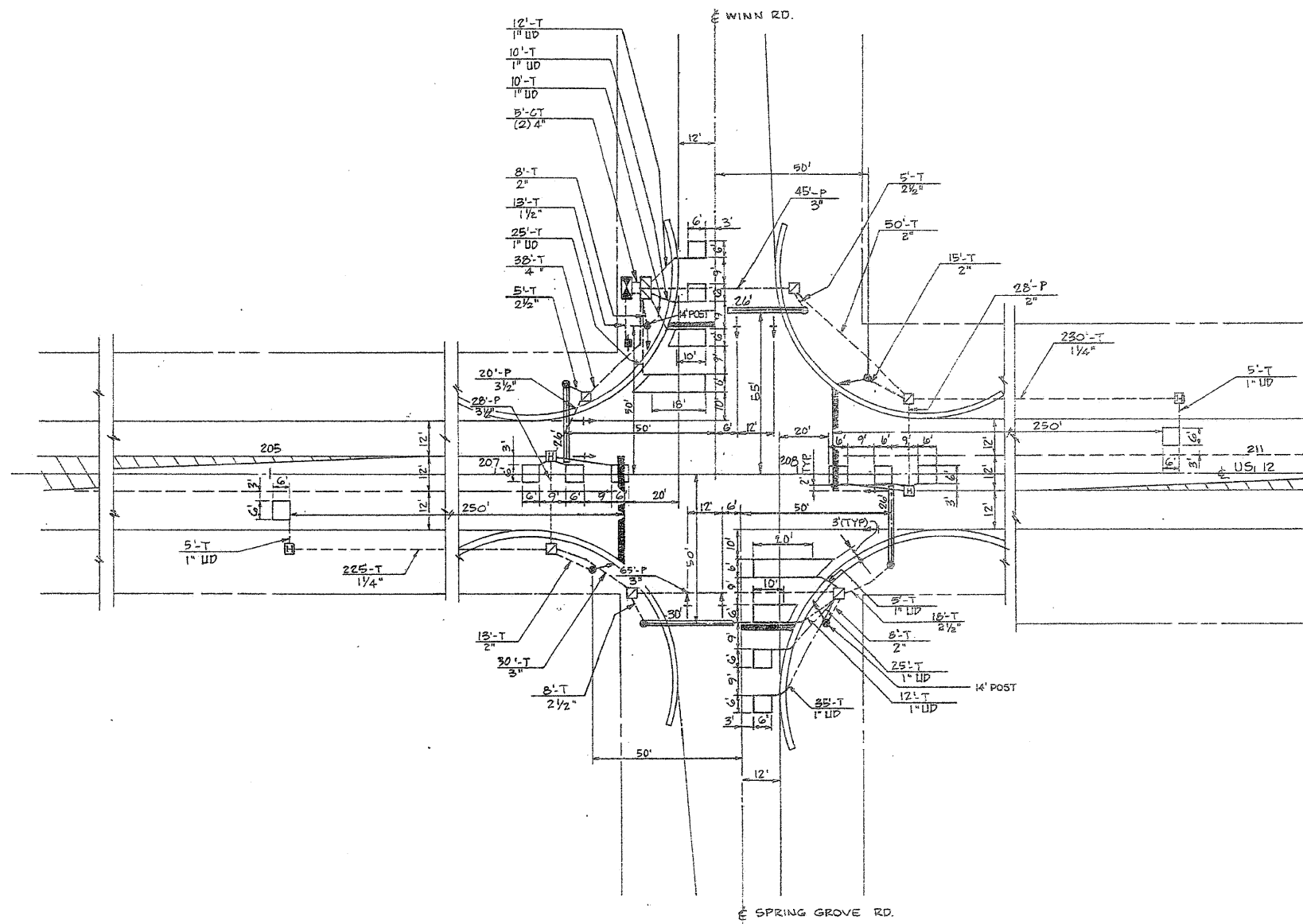
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US 12
IL 31 (TYRON GROVE ROAD) TO LAKE COUNTY LINE
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET NO. 17 OF 32 SHEETS STA. 460+00 TO STA. 475+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	116 R-RS	MCHENRY	32	17
CONTRACT NO. 60H22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TRAFFIC SIGNAL LEGEND

- PROPOSED**
- CONTROLLER
 - SERVICE INSTALLATION
 - SIGNAL HEAD
 - SIGNAL HEAD WITH BACKPLATE
 - SIGNAL POST
 - HAST ARM ASSEMBLY AND POLE, STEEL
 - HANDHOLE
 - HEAVY DUTY HANDHOLE
 - DOUBLE HANDHOLE
 - UNIT DUCT IN TRENCH
 - DETECTOR LOOP
 - COMMON TRENCH
 - GALVANIZED STEEL CONDUIT
 - UPPER NUMERAL INDICATES LENGTH
 - T INDICATES CONDUIT IN TRENCH
 - P INDICATES CONDUIT TO BE PUSHED
 - LOWER NUMERAL INDICATES SIZE OF CONDUIT

REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN PROJECT LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	418	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME = s:\proj\3368\3368_22\dwg\SpringGrove\SpringGrove_22_1.dwg

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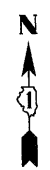
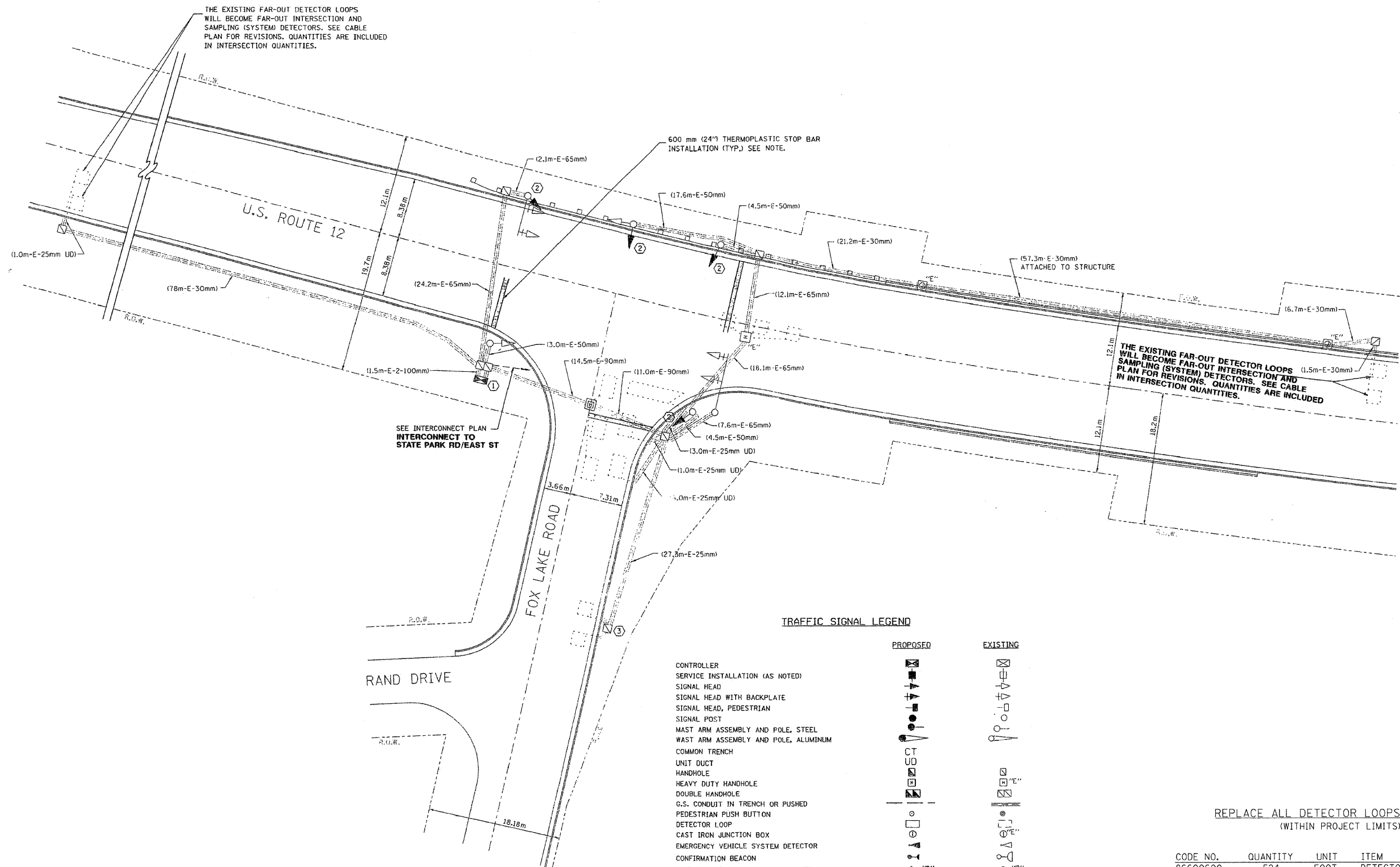
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 12
IL 31 (TYRON GROVE ROAD) TO LAKE COUNTY LINE
DETECTOR LOOP REPLACEMENT PLAN**

SCALE: N.T.S. SHEET NO. 18 OF 32 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	116 R-RS	MCHENRY	32	18
				CONTRACT NO. 60H22

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



TRAFFIC SIGNAL LEGEND

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

REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN PROJECT LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	524	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME: c:\p\proj\33358\33358.dwg

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Chicago, Illinois 60656
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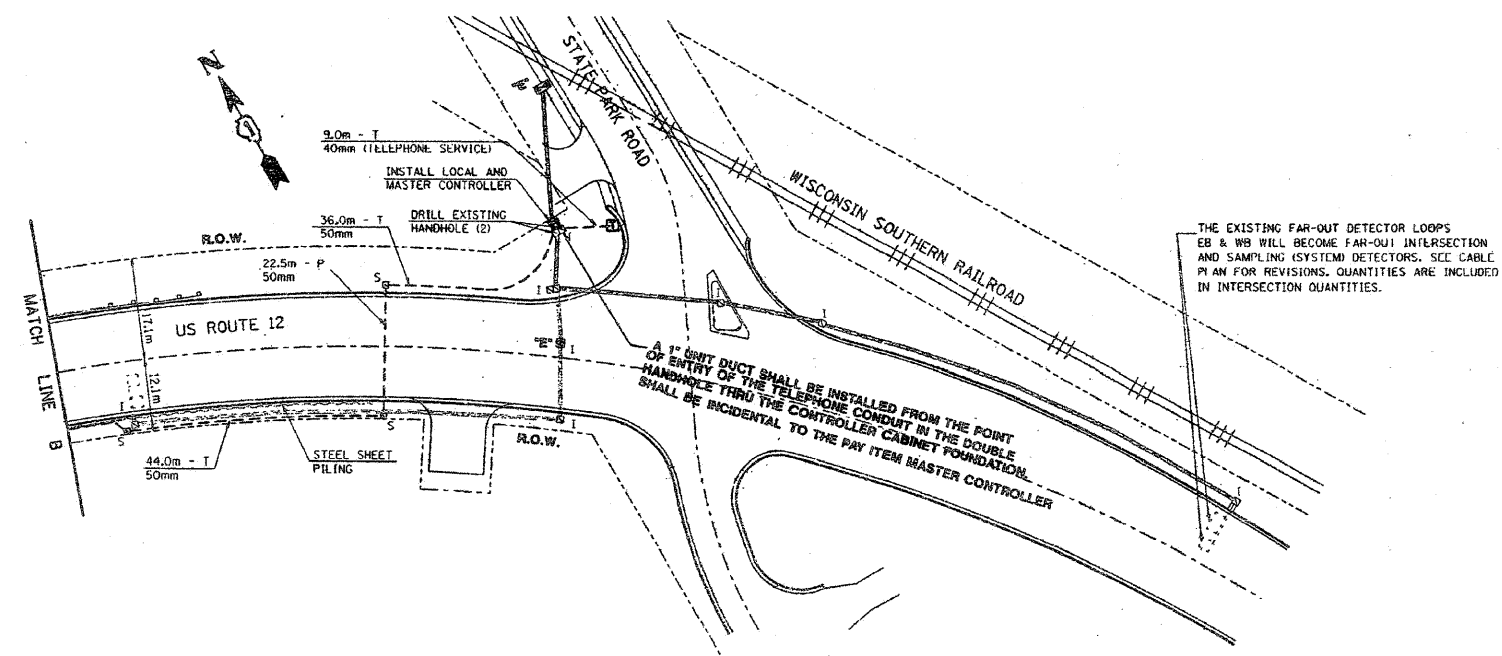
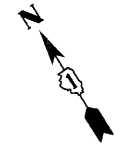
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

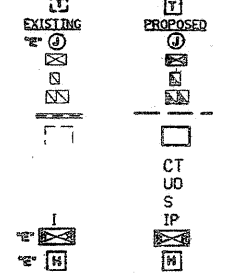
**US 12
IL 31 (TYRON GROVE ROAD) TO LAKE COUNTY LINE
DETECTOR LOOP REPLACEMENT PLAN**

SCALE: N.T.S. SHEET NO. 19 OF 32 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	116 R-RS	MCHENRY	32	19
CONTRACT NO. 60H22				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



INTERCONNECT LEGEND



- TELEPHONE CONNECTION**
- JUNCTION BOX
 - CONTROLLER
 - CONCRETE HANDHOLE
 - DOUBLE HANDHOLE
 - G.S. CONDUIT IN TRENCH OR PUSHED
 - DETECTOR LOOP
 - COMMON TRENCH
 - UNIT DUCT
 - SYSTEM
 - INTERSECTION
 - RAILROAD CONTROL CABINET
 - HEAVY DUTY HANDHOLE

THE EXISTING FAR-OUT DETECTOR LOOPS EB & WB WILL BECOME FAR-OUT INTERSECTION AND SAMPLING (SYSTEM) DETECTORS. SEE CABLE PLAN FOR REVISIONS. QUANTITIES ARE INCLUDED IN INTERSECTION QUANTITIES.

A 1" UNIT DUCT SHALL BE INSTALLED FROM THE POINT OF ENTRY OF THE TELEPHONE CONDUIT IN THE DOUBLE HANDHOLE THRU THE CONTROLLER CABINET FOUNDATION. SHALL BE INCIDENTAL TO THE PAY ITEM MASTER CONTROLLER

REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN PROJECT LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	69	FOOT	DETECTOR LOOP REPLACEMENT

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5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel 773.775.4009 Fax 773.775.4014

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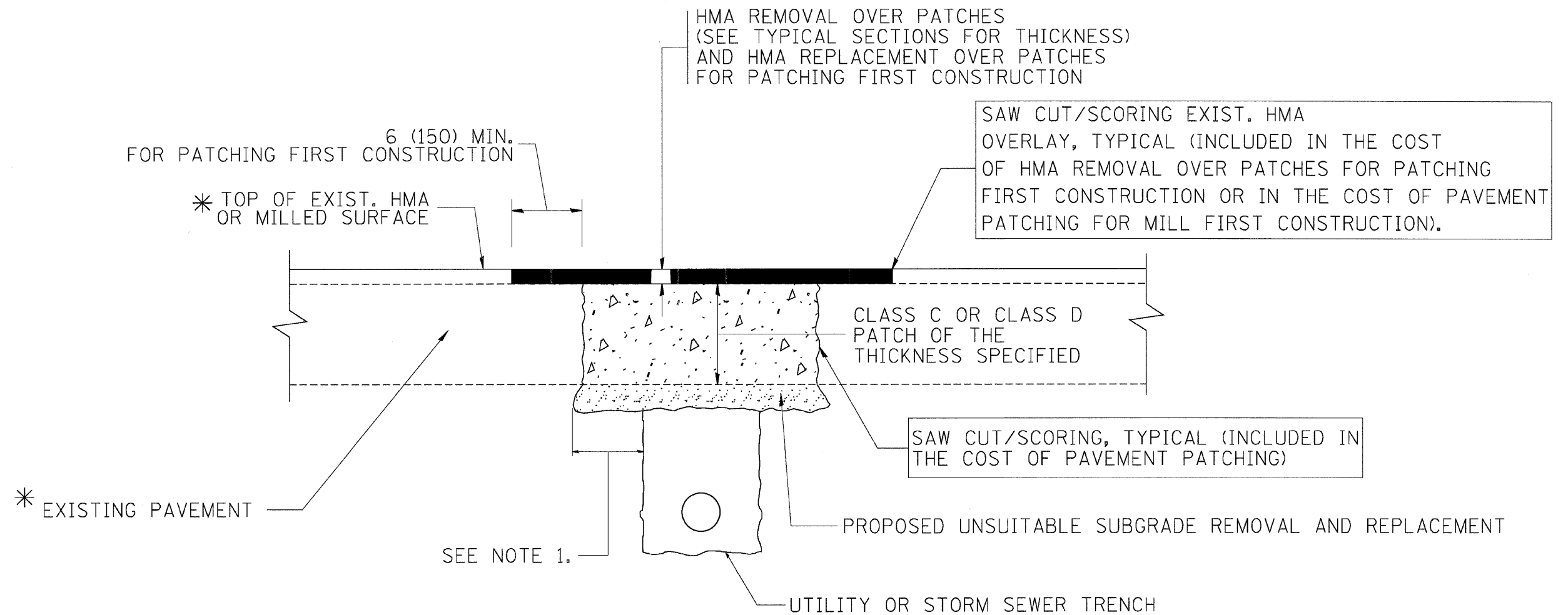
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US 12
IL 31 (TYRON GROVE ROAD) TO LAKE COUNTY LINE
DETECTOR LOOP REPLACEMENT PLAN**

SCALE: N.T.S. SHEET NO. 20 OF 32 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	116 R-RS	MCHENRY	32	20

CONTRACT NO. 60H22
FED. ROAD DIST. NO. 1 | ILLINOIS FED. AID PROJECT



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

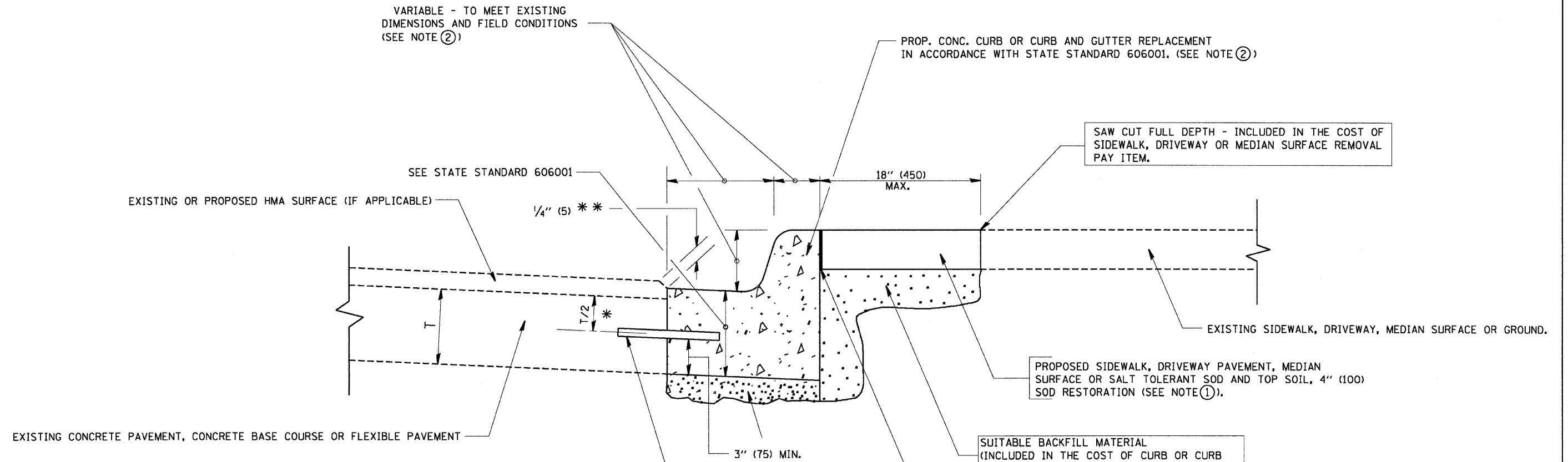
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

FILE NAME = e:\projects\distatd22x34\bd22.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT		F.A.P. RTE. 334	SECTION 116 R-RS	COUNTY MCHENRY	TOTAL SHEETS 32	SHEET NO. 22	
	PLOT SCALE = 50.000' / IN.	DRAWN -	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	BD400-04 (BD-22)		CONTRACT NO. 60H22		
	PLOT DATE = 10/27/2008	CHECKED -	REVISED - R. BORO 09-04-07		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
		DATE - 10-25-94	REVISED - K. ENG 10-27-08									



* 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.

SALT TOLERANT SOD AND TOP SOIL, 4" (100) RESTORATION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

② CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

③ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

④ 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.

⑤ 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.

⑥ 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.

⑦ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

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

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

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

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

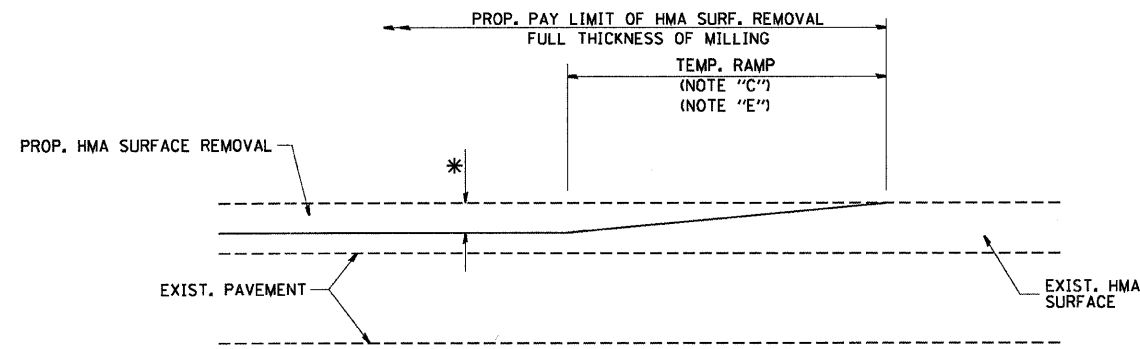
BASIS OF PAYMENT:

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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

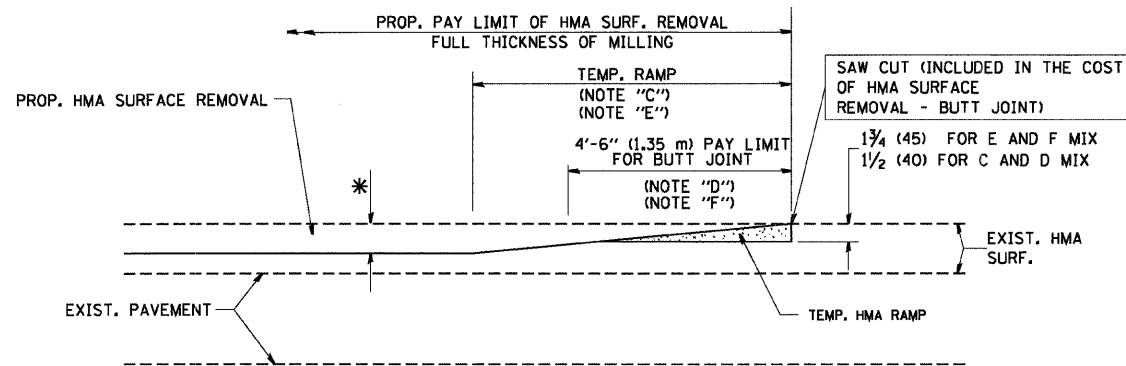
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	PLOT SCALE = 50.000' / IN.	DRAWN -	REVISED - A. ABBAS 03-21-97		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	BD600-06 (BD-24)		CONTRACT NO. 60H22		
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - M. GOMEZ 01-22-01		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
		DATE - 03-11-94	REVISED - R. BORO 01-01-07									



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

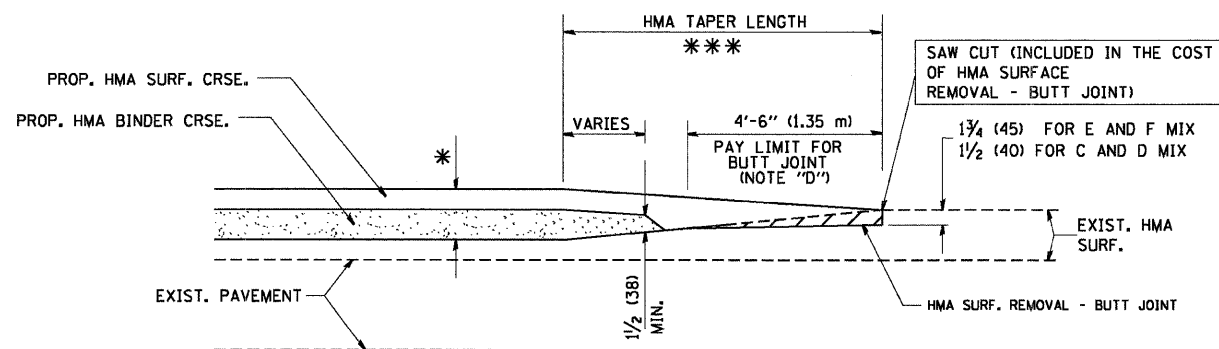
OPTION 1



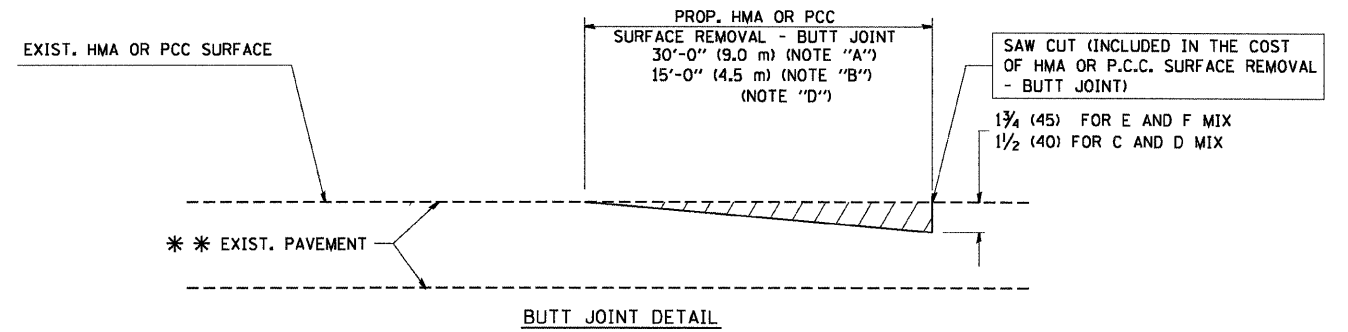
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

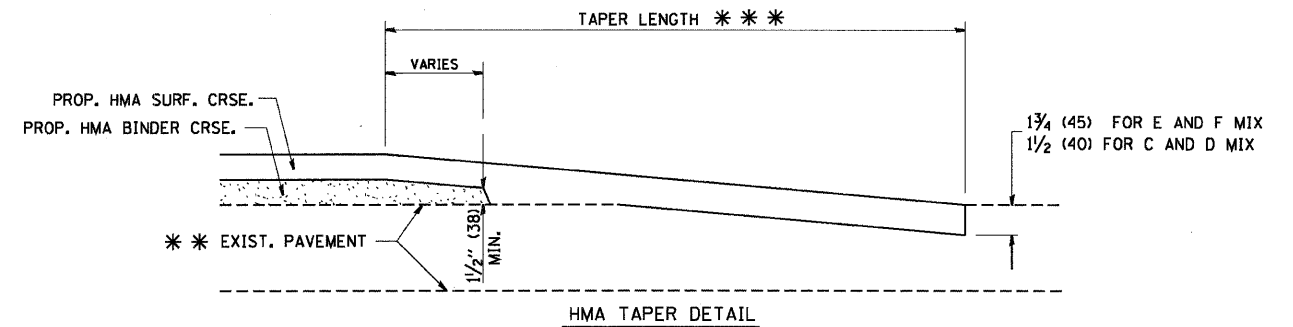
TYPICAL TEMPORARY RAMP



BUTT JOINT AND HMA TAPER
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

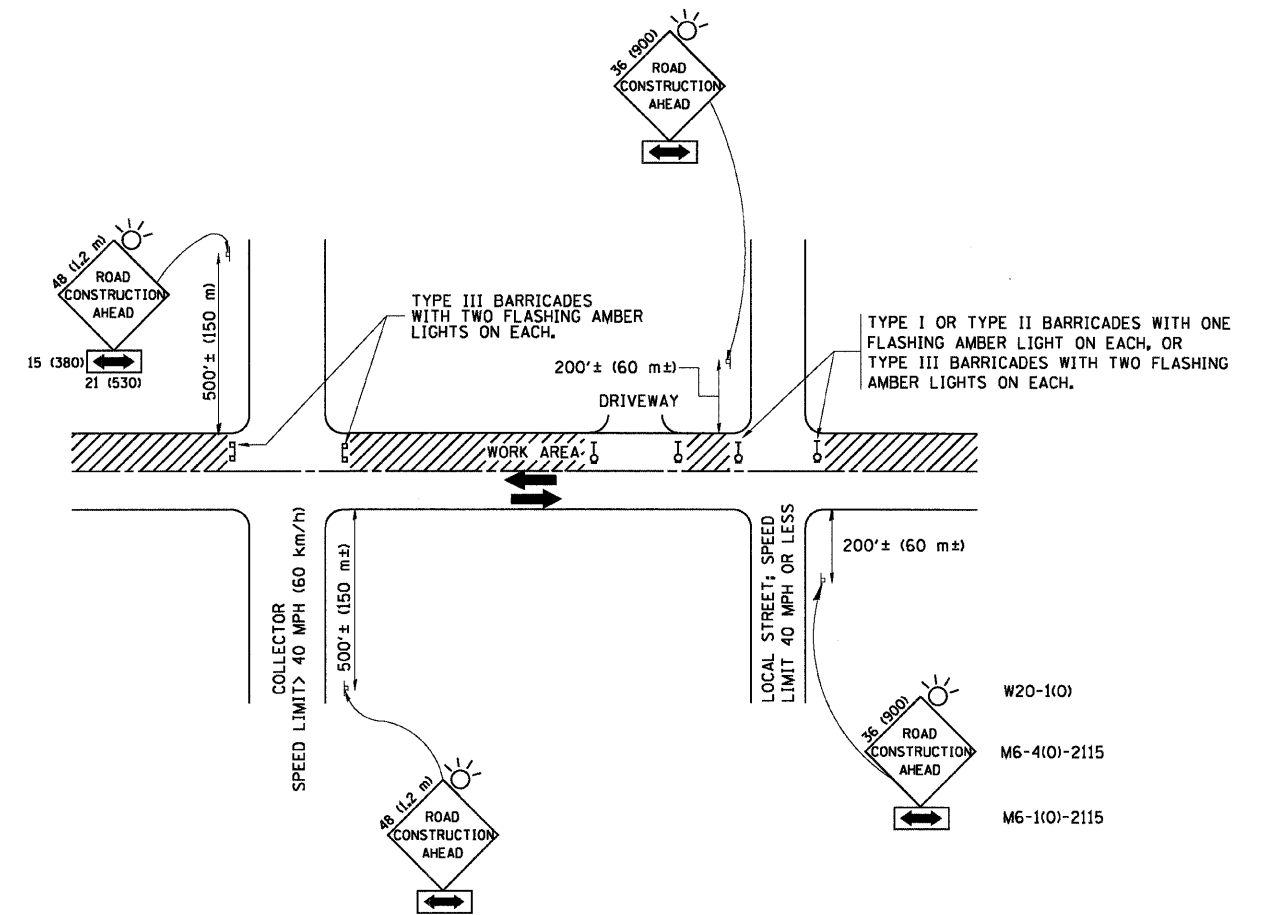
- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 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	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT AND HMA TAPER DETAILS		F.A.P. RTE. 334	SECTION 116 R-RS	COUNTY MCHENRY	TOTAL SHEETS 32	SHEET NO. 24
	PLOT SCALE = 50,0000 ' / IN.	DRAWN -	REVISED - A. ABBAS 03-21-97		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	BD400-05 BD32		CONTRACT NO.	60H22
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - M. GOMEZ 04-06-01				TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			
		DATE - 06-13-90	REVISED - R. BORO 01-01-07								



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

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1,2 m x 1,2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

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

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

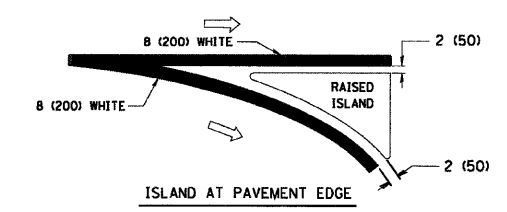
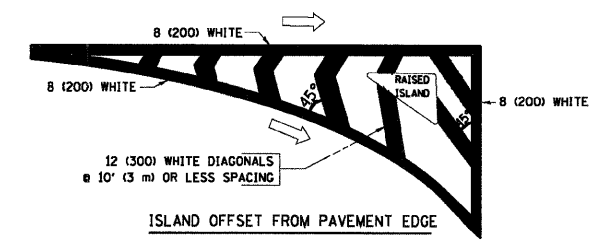
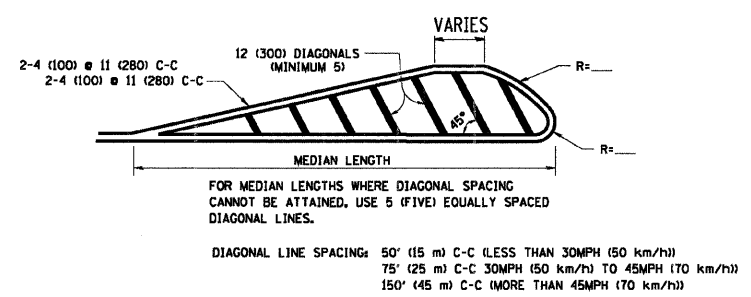
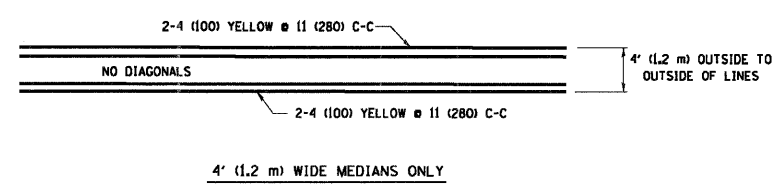
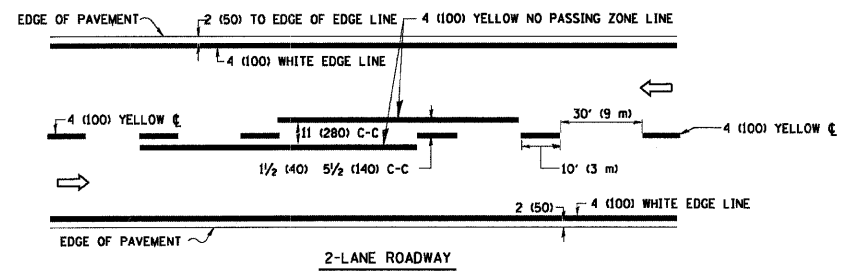
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		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

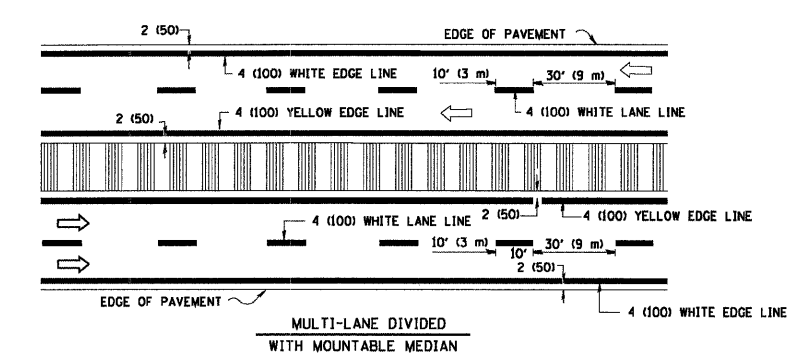
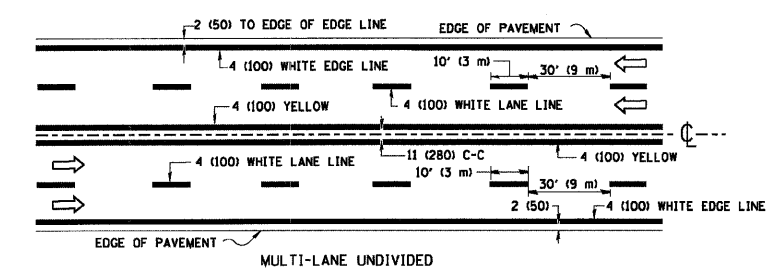
TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	116 R-RS	MCHENRY	32	25
TC-10		CONTRACT NO. 60H22		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

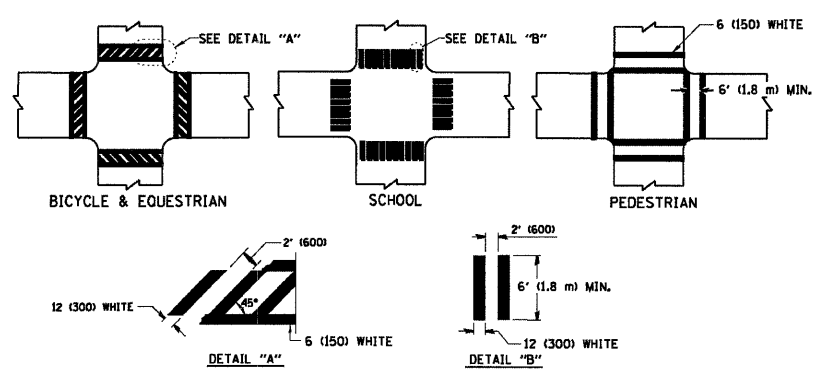


TYPICAL ISLAND MARKING

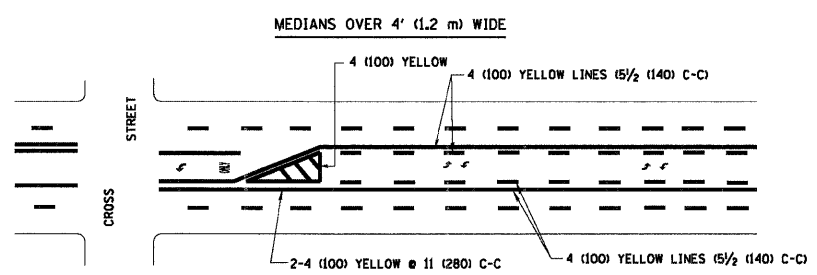


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

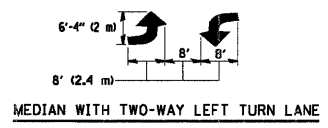
TYPICAL LANE AND EDGE LINE MARKING



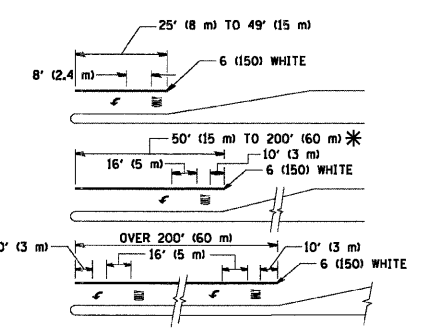
TYPICAL CROSSWALK MARKING



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



TYPICAL PAINTED MEDIAN MARKING



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

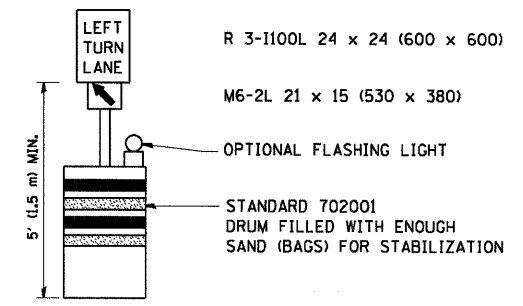
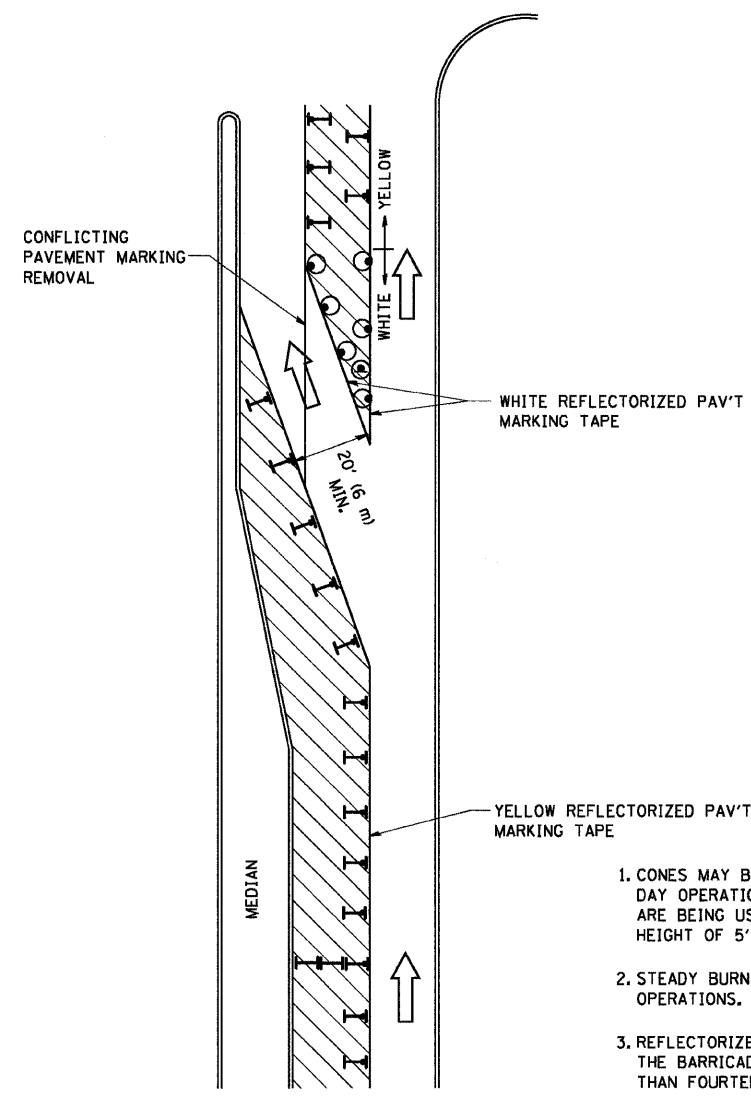
TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

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

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

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



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 BT 725 IS REQUIRED.
8. 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

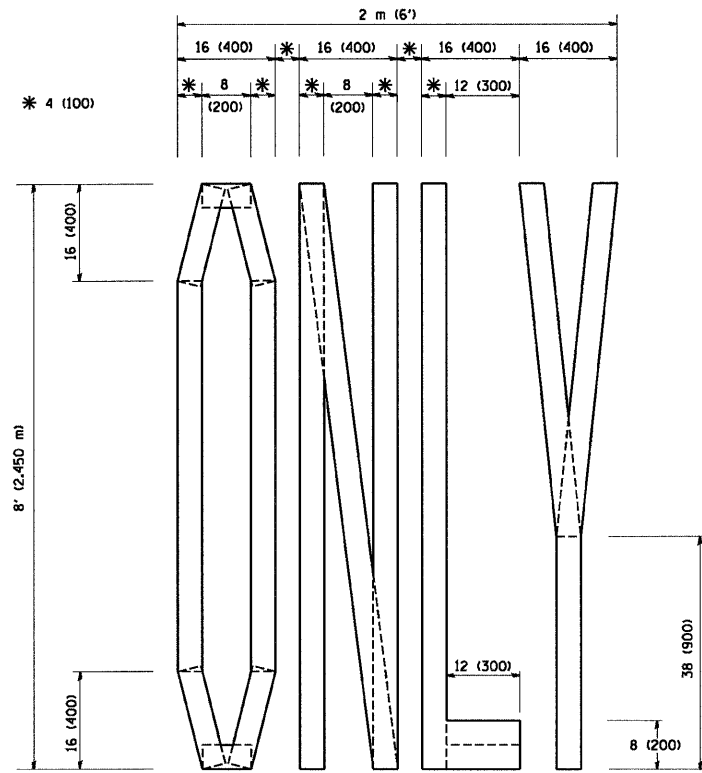
- WORK AREA
- LANE OPEN TO TRAFFIC
- TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

FILE NAME = W:\diststd\22x34\tc14.dgn	USER NAME = gaglionobt	DESIGNED -	REVISED -T. RAMMACHER 09-08-94
		DRAWN -	REVISED - A. HOUSEH 11-07-95
	PLOT SCALE = 50,0000 ' / IN.	CHECKED -	REVISED - A. HOUSEH 10-12-96
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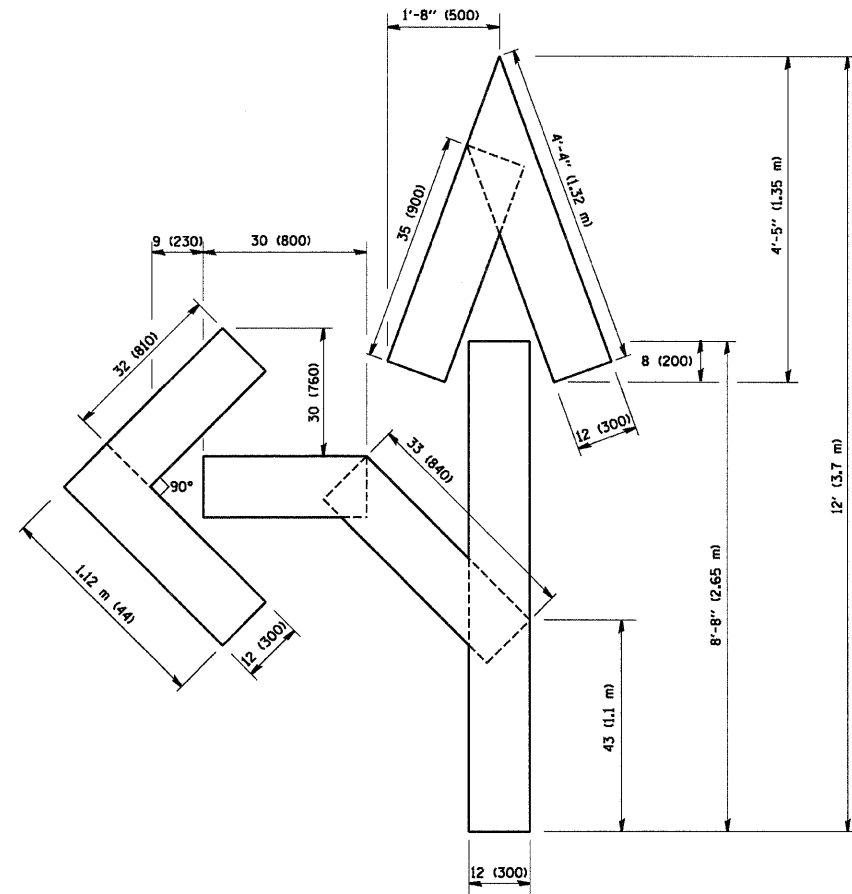
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

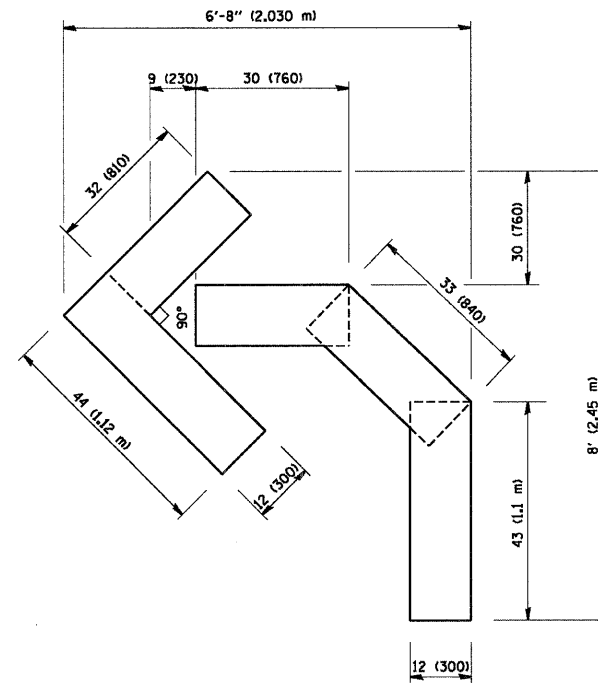
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
334	116 R-RS	MCHENRY	32	28
TC-14			CONTRACT NO. 60H22	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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.

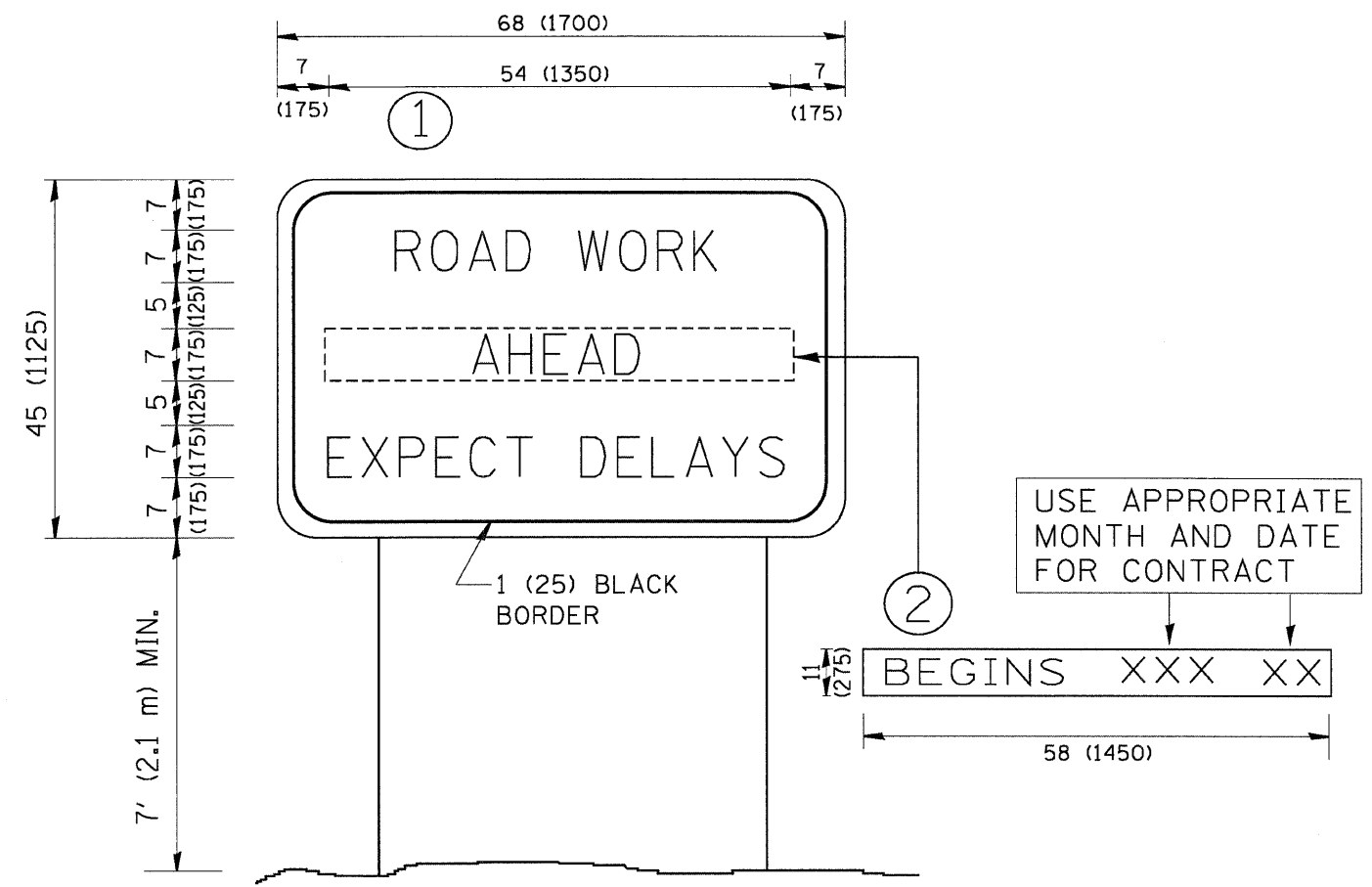
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	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

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.
334	116 R-RS	MCHENRY	32	29
TC-16			CONTRACT NO. 60H22	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



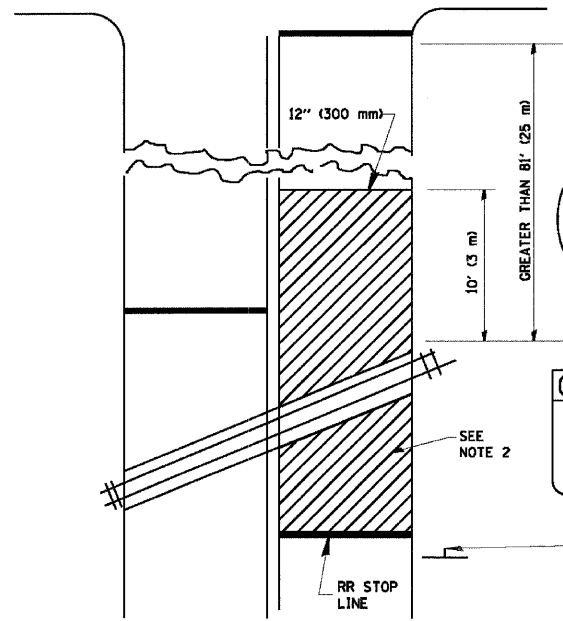
NOTES:

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

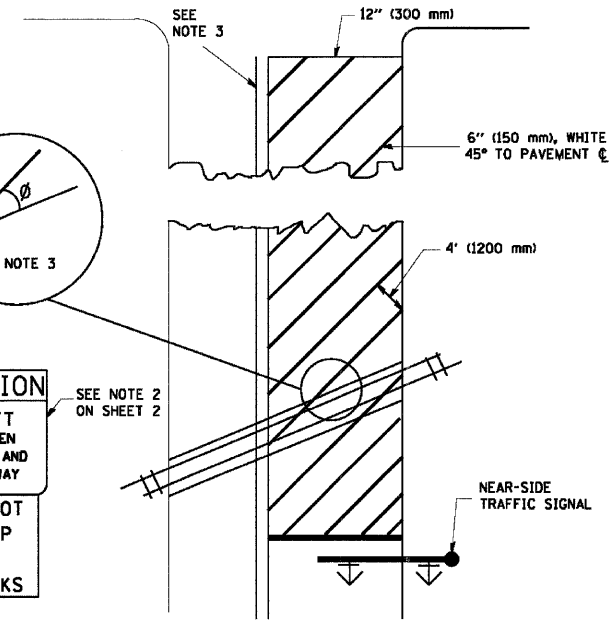
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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		DRAWN -	REVISED - R. MIRS 12-11-97			334	116 R-RS	MCHENRY	32	30	
		CHECKED -	REVISED - T. RAMMACHER 02-02-99			TC-22		CONTRACT NO. 60H22			
		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.	

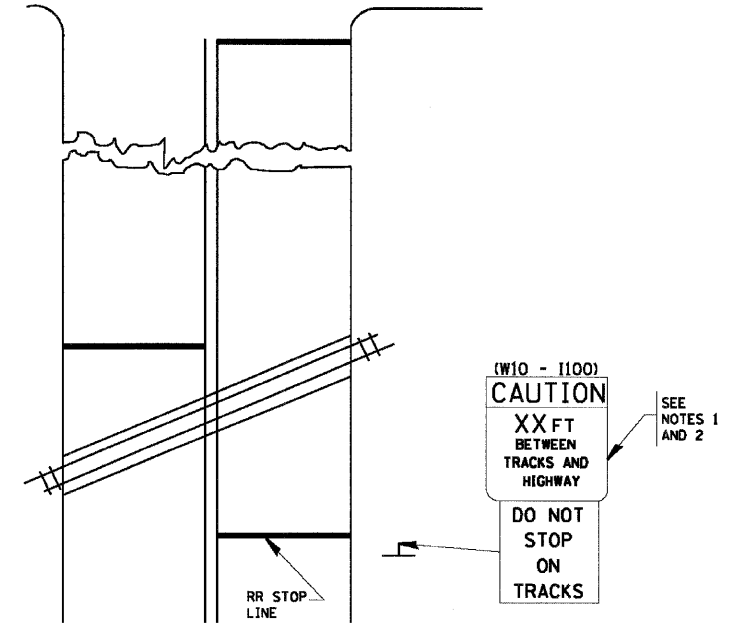
WITH INTERSECTION TRAFFIC SIGNALS



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 (Ø) 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.

FILE NAME = W:\distatd\22x34\to23.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - 01-01-07
		DRAWN -	REVISED -
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	PLOT DATE = 1/4/2008	DATE -	REVISED -

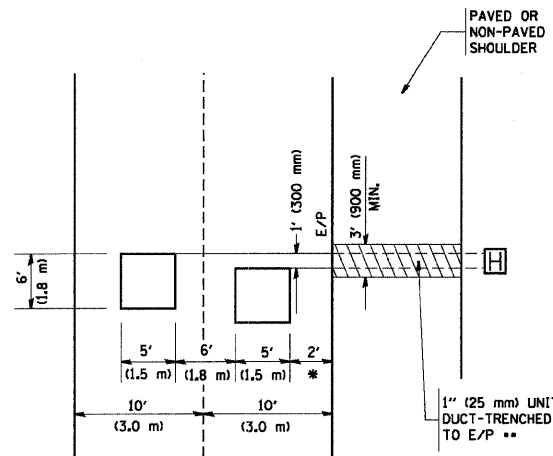
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE. 334	SECTION 116 R-RS	COUNTY MCHENRY	TOTAL SHEETS 32	SHEET NO. 31
TC-23			CONTRACT NO. 60H22	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

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

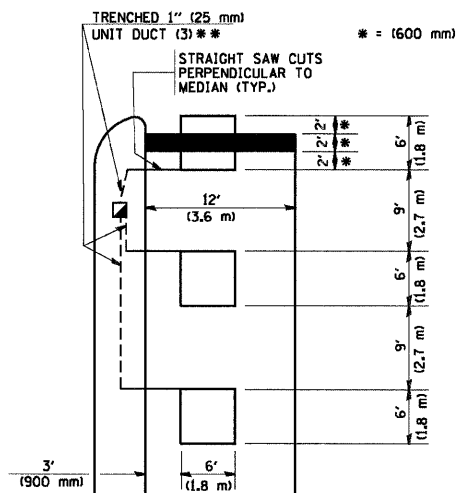


* = (600 mm)

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

**LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)**

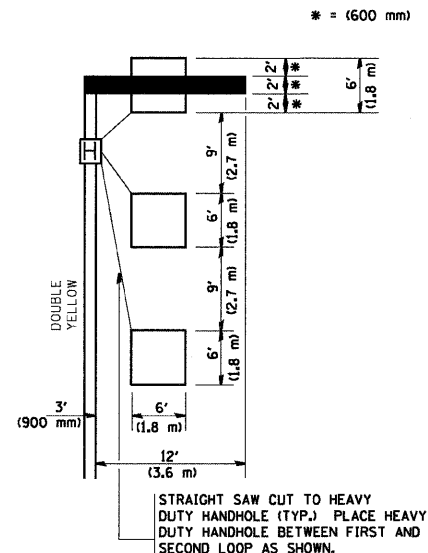
HANDHOLE LOCATION MAY
VARY DEPENDING ON GEOMETRICS
AND DESIGN OF TRAFFIC SIGNALS.
HEAVY-DUTY HANDHOLES TO BE
USED WHEN THE MEDIAN IS
MOUNTABLE. REFER TO STANDARD
814001 TO ENSURE THAT HANDHOLE
FITS IN MEDIAN.



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

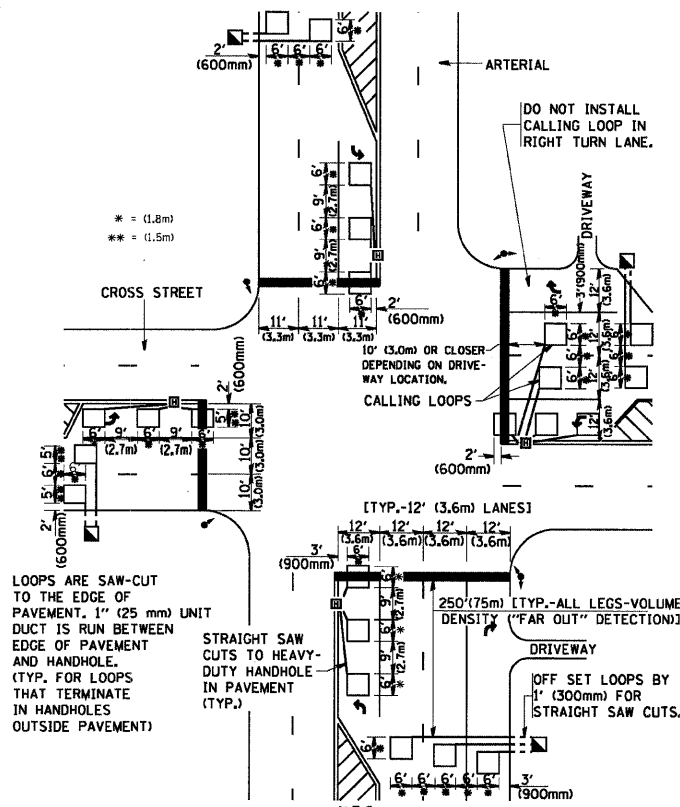
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO
PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



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

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

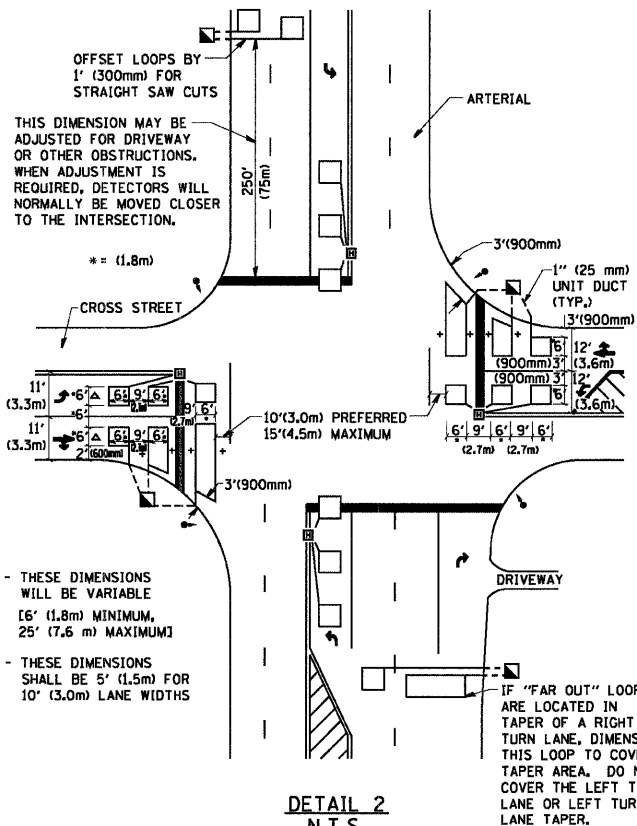


LOOPS ARE SAW-CUT
TO THE EDGE OF
PAVEMENT. 1" (25 mm) UNIT
DUCT IS RUN BETWEEN
EDGE OF PAVEMENT
AND HANDHOLE.
(TYP. FOR LOOPS
THAT TERMINATE
IN HANDHOLES
OUTSIDE PAVEMENT)

STRAIGHT SAW
CUTS TO HEAVY-
DUTY HANDHOLE
IN PAVEMENT
(TYP.)

DETAIL 1
N.T.S.

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



+ - THESE DIMENSIONS
WILL BE VARIABLE
(6' (1.8m) MINIMUM,
25' (7.6 m) MAXIMUM)

△ - THESE DIMENSIONS
SHALL BE 5' (1.5m) FOR
10' (3.0m) LANE WIDTHS

IF "FAR OUT" LOOPS
ARE LOCATED IN
TAPER OF A RIGHT
TURN LANE, DIMENSION
THIS LOOP TO COVER
TAPER AREA. DO NOT
COVER THE LEFT TURN
LANE OR LEFT TURN
LANE TAPER.

DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

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

PLACEMENT OF DETECTORS

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

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

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

NOTE:

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

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

FILE NAME = W:\diststd\22x34\ts07.dgn	USER NAME = geglianobt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING		F.A.P. RTE. 334	SECTION 116 R-RS	COUNTY MCHENRY	TOTAL SHEETS 32	SHEET NO. 32
PLOT SCALE = 50,000 / IN.	PLOT DATE = 1/4/2008	DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	TS-07		CONTRACT NO. 60H22	
		CHECKED - R.K.F.	REVISED -					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			
		DATE	REVISED -								