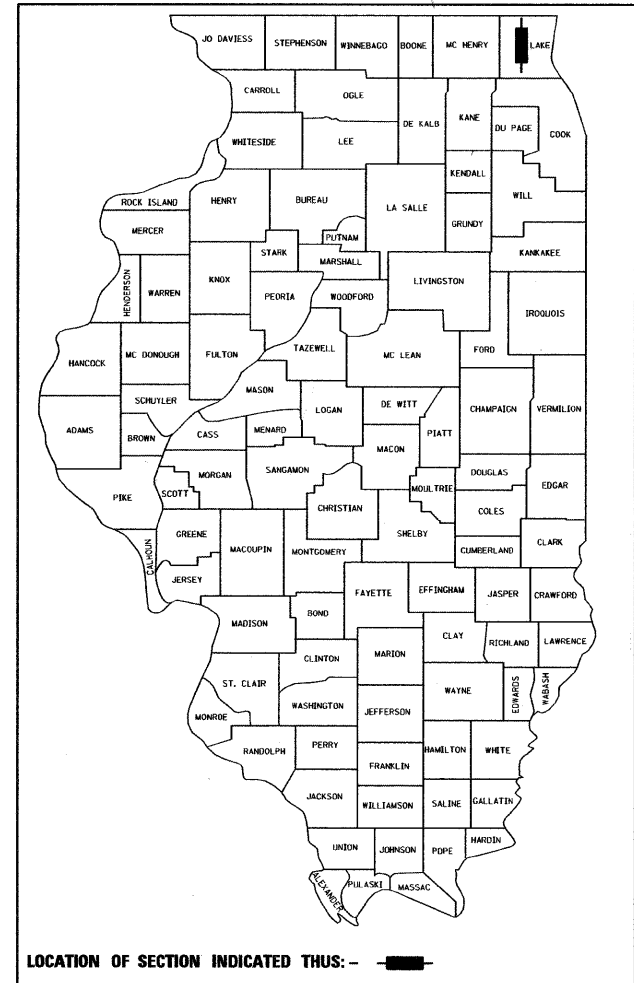


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706	BY-RS-2	LAKE	37	1
FED. ROAD DIST. NO. 1	ILLINOIS	CONTRACT NO. 60G70		

D-91-526-09



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED
HIGHWAY PLANS

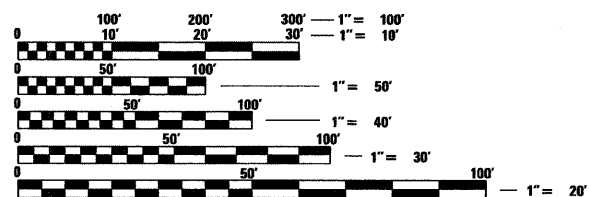
F.A.U. 2706: ILLINOIS ROUTE 43 (WAUKEGAN RD.)
ILLINOIS ROUTE 22 (HALF DAY ROAD) TO ATKINSON ROAD
SECTION: BY-RS-2
RESURFACING (3P)
LAKE COUNTY
C-91-526-09

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT LOCATED WITHIN THE CITY OF LAKE FOREST, VILLAGE OF LAKE BLUFF, CITY OF KNOLLWOOD, AND VILLAGE OF BANNOCKBURN

TRAFFIC DATA
IL ROUTE 43
2007 ADT=25,600
SPEED LIMIT=35 MPH & 45 MPH

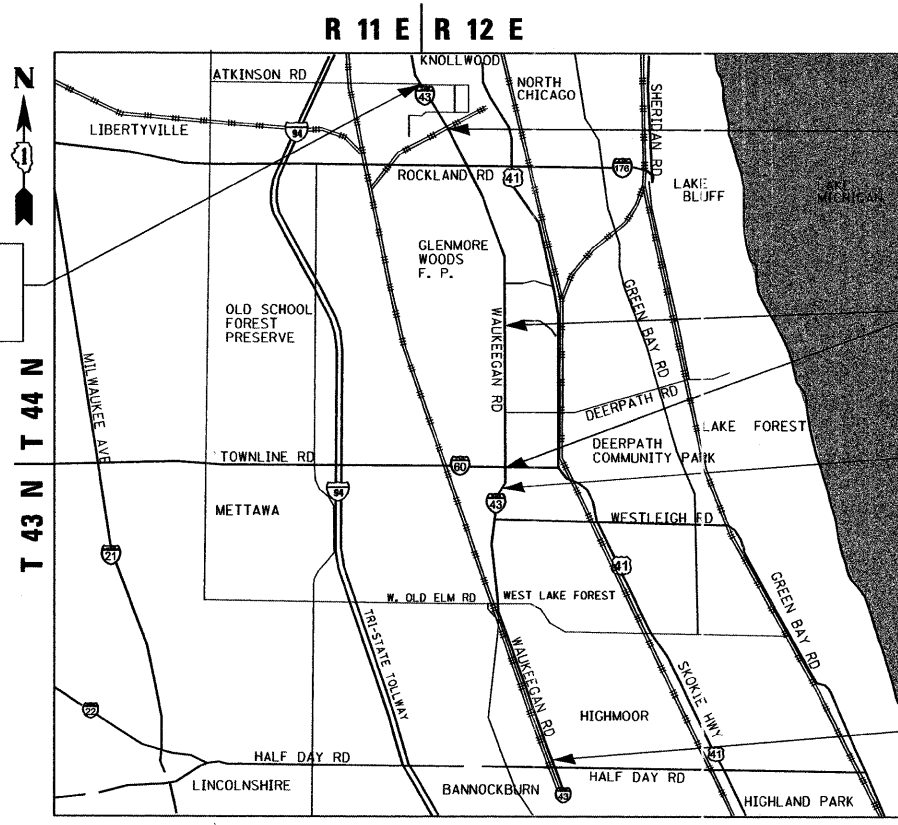
IMPROVEMENT ENDS STA. 441+10



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

DISTRICT ONE -
 PROJECT MANAGER: LONG TRAN (847) 705-4232
 PROJECT ENGINEER: MICHELLE AQUINO (847) 705-4606
 CONTRACT NO. 60G70



RAILROAD TRACK OMISSION
 STA. 420+65 TO STA. 420+85

OMISSION
 IL ROUTE 60 TO GAGE LN
 STA. 250+19 TO STA. 339+95

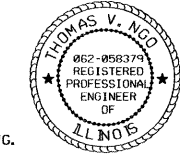
BRIDGE OMISSION
 STA. 230+11 TO STA. 244+28

IMPROVEMENT BEGINS
 STA. 106+27

SCALE: NTS
 LIBERTYVILLE, SHIELDS, AND WEST DEERFIELD TOWNSHIPS

GROSS LENGTH OF PROJECT= 33,483 FT = 6.34 MILES
 NET LENGTH OF PROJECT= 23,090 FT = 4.37 MILES

MILLENNIA PROFESSIONAL SERVICES
 THOMAS V. NGO, P.E.
 # 062-058379
 DATE: 04/22/09
 SIGNATURE AND SEAL APPLIES TO DRWG.



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED APRIL 21 20 09
 Diana M. O'Keefe
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
 May 1, 20 09
 Charles J. Ingersoll
 ENGINEER OF DESIGN AND ENVIRONMENT
 May 1, 20 09
 Christine M. Reed
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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LIST OF ILLINOIS DOT HIGHWAY 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
- 606001-04 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 701421-02 LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY FOR SPEEDS > OR = 45 MPH TO 55 MPH
- 701426-03 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS FOR SPEEDS > OR = 45 MPH
- 701606-06 URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701701-06 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701901 TRAFFIC CONTROL DEVICES
- 780001-02 TYPICAL PAVEMENT MARKINGS

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, CITY OF LAKE FOREST, VILLAGE OF LAKE BLUFF, CITY OF KNOLLWOOD, AND VILLAGE OF BANNOCKBURN.
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 ENGINEER SHALL CONTACT DEBBIE HANLON, THE TRAFFIC FIELD TECHNICIAN AT (847) 438-2300 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).

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 43
IL RTE 22 (HALF DAY RD) TO ATKINSON RD
 SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

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

F.A.U. RTE. 2706	SECTION 29RS-4	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 2
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G70	

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SUMMARY OF QUANTITIES			TOTAL QUANTITY	CONSTRUCTION TYPE CODE
CODE NO.	ITEM DESCRIPTION	UNIT	100% STATE	1000 QUANTITY
20201006	GRADING AND SHAPING SHOULDERS	UNIT	10	10
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	265	265
40600300	AGGREGATE (PRIME COAT)	TON	265	265
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	40	40
40600895	CONSTRUCTING TEST STRIP	EACH	2	2
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	820	820
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	854	854
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	12910	12910
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	131700	131700
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	1220	1220
44002216	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 4"	SQ YD	3330	3330
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	350	350
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	1600	1600
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	980	980
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	400	400
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	40	40
55039700	STORM SEWERS TO BE CLEANED	FOOT	4590	4590
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	37	37
60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	72	72
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6
67100100	MOBILIZATION	L SUM	1	1
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
* 70300100	SHORT-TERM PAVEMENT MARKING	FOOT	15600	15600
* 70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	600	600
* 70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	69500	69500
* 70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	4650	4650
* 70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1550	1550
* 70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	1350	1350

SUMMARY OF QUANTITIES			TOTAL QUANTITY	CONSTRUCTION TYPE CODE
CODE NO.	ITEM DESCRIPTION	UNIT	100% STATE	1000 QUANTITY
* 70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	5200	5200
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	600	600
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	69500	69500
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	4650	4650
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1550	1550
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	1350	1350
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2874	2874
* 78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	2874	2874
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	3851	3851
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	156	156
X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	5540	5540
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	184	184
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1

* SPECIALTY ITEM

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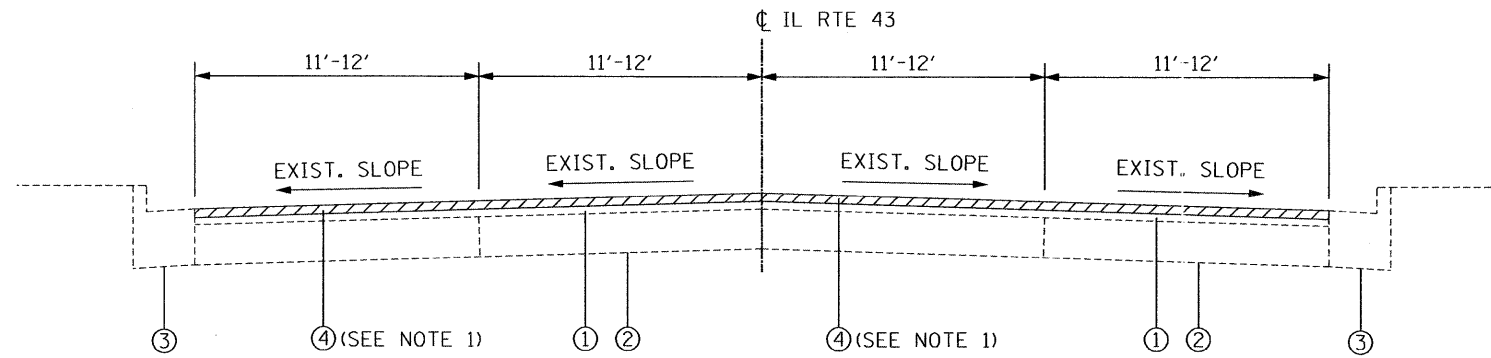
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 43
IL RTE 22 (HALF DAY RD) TO ATKINSON RD

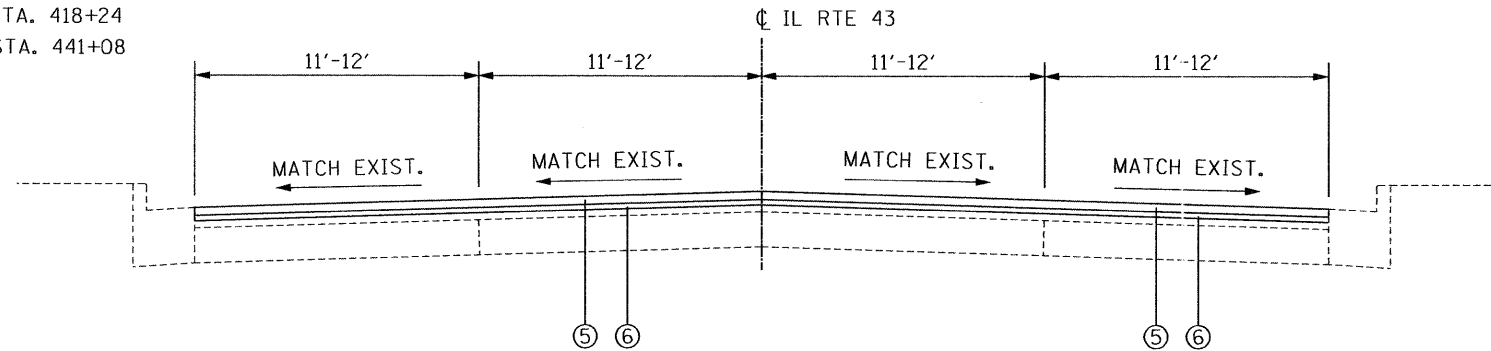
F.A.U. RTE. 2706	SECTION 29RS-4	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 3
CONTRACT NO. 60G70			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



EXISTING TYPICAL SECTION

IL ROUTE 43 (WAUKEGAN RD)

(*)



PROPOSED TYPICAL SECTION

IL ROUTE 43 (WAUKEGAN RD)

(*)

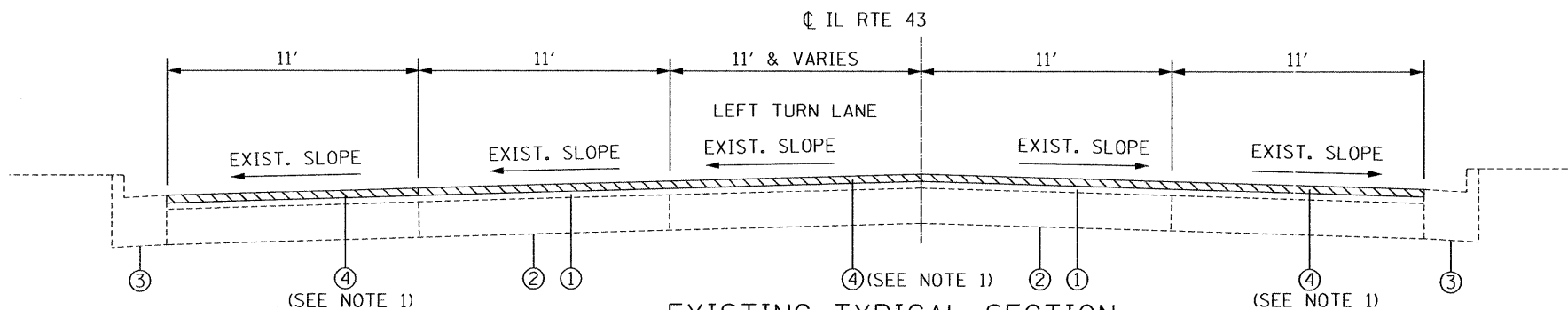
LEGEND

- ① EXISTING +/-4" HMA SURFACE
- ② EXISTING +/-10" P.C.C. BASE
- ③ EXISTING B-6.24 CURB AND GUTTER
- ④ HMA SURFACE REMOVAL - 2 1/2" (SEE NOTE 1)
- ⑤ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5MM) -1 3/4"
- ⑥ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 -3/4"

NOTES

1. THE CONTRACTOR SHALL PERFORM THE PAVEMENT PATCHING OPERATIONS PRIOR TO THE HMA SURFACE REMOVAL OPERATION. SEE IDOT DISTRICT 1 DETAIL PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT BD-400-04 (BD-22) FOR ADDITIONAL INFORMATION.

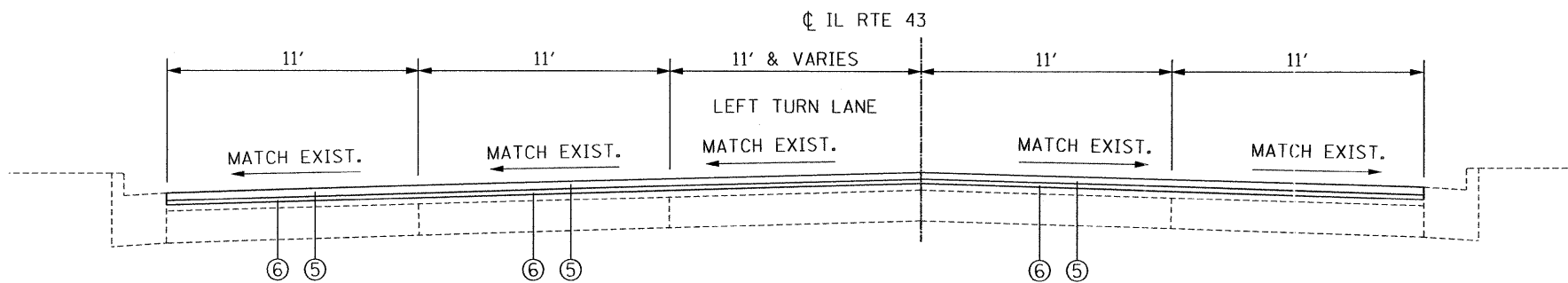
- (*)
- STA. 106+27 TO STA. 178+00
 - STA. 202+40 TO STA. 230+11
 - STA. 339+95 TO STA. 388+33
 - STA. 407+51 TO STA. 418+24
 - STA. 428+87 TO STA. 441+08



EXISTING TYPICAL SECTION

IL ROUTE 43 (WAUKEGAN RD)

STA. 178+00 TO STA. 202+40



PROPOSED TYPICAL SECTION

IL ROUTE 43 (WAUKEGAN RD)

STA. 178+00 TO STA. 202+40

OMISSIONS

- STA. 230+11 TO STA. 244+28
- STA. 250+19 TO STA. 339+95
- STA. 420+65 TO STA. 420+85

HMA MIXTURES REQUIREMENT		
MIXTURE USES	AC TYPE	VOIDS
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5mm)	SBS/SBR PG 70-22	4% @ 90 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	SBS/SBR PG 76-28/-22	4% @ 50 GYR.
CLASS D PATCHES (HMA BINDER IL-19 MM)	PG 64-22 (SEE NOTE 2)	4% @ 70 GYR.
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19MM)	PG 64-22 (SEE NOTE 2)	4% @ 70 GYR.

- MIXTURE NOTES:
1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ YD/IN
 2. WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

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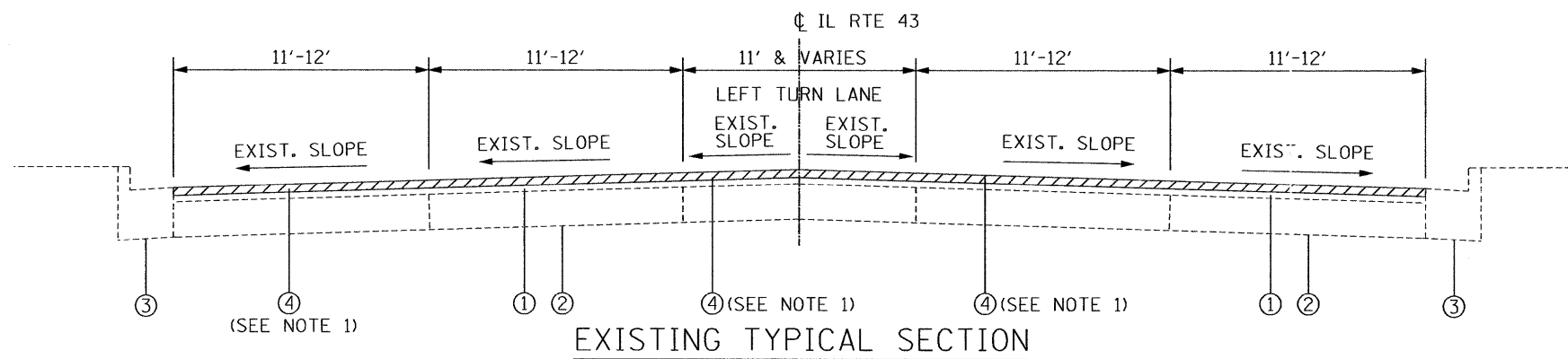
**IL ROUTE 43
 IL RTE 22 (HALF DAY RD) TO ATKINSON RD**

TYPICAL SECTIONS

F.A.U. RTE. 2706	SECTION BY-RS-2	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 4
CONTRACT NO. 60G70				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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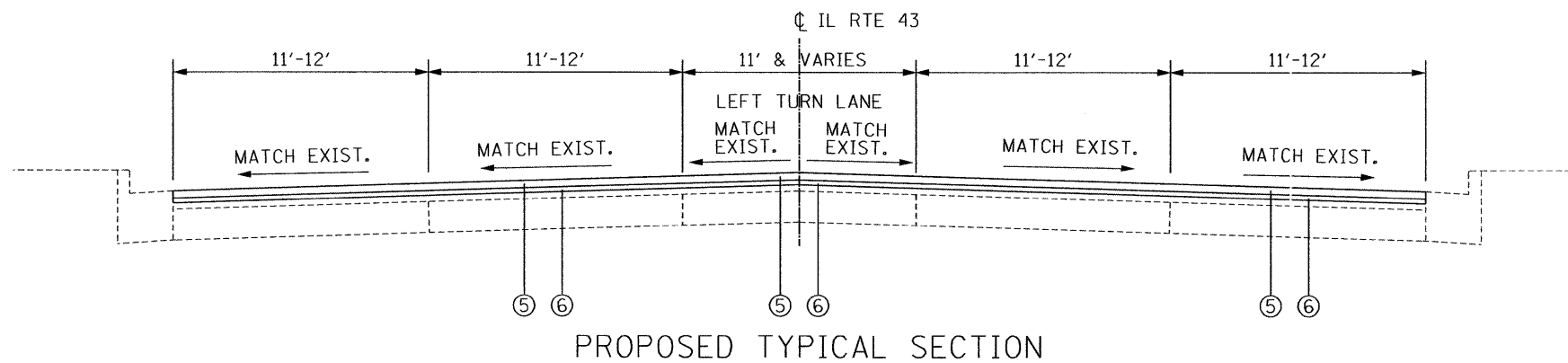
EXISTING TYPICAL SECTION
 IL ROUTE 43 (WAUKEGAN RD)
 STA. 244+28 TO STA. 250+19
 STA. 388+33 TO STA. 407+51
 STA. 418+24 TO STA. 420+65
 STA. 420+85 TO STA. 428+87

LEGEND

- ① EXISTING +/-4" HMA SURFACE
- ② EXISTING +/-10" P.C.C. BASE
- ③ EXISTING B-6.24 CURB AND GUTTER
- ④ HMA SURFACE REMOVAL - 2 1/2" (SEE NOTE 1)
- ⑤ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5MM) -1 3/4"
- ⑥ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 -3/4"

NOTES

- 1. THE CONTRACTOR SHALL PERFORM THE PAVEMENT PATCHING OPERATIONS PRIOR TO THE HMA SURFACE REMOVAL OPERATION. SEE IDOT DISTRICT 1 DETAIL PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT BD-400-04 (BD-22) FOR ADDITIONAL INFORMATION.



PROPOSED TYPICAL SECTION
 IL ROUTE 43 (WAUKEGAN RD)
 STA. 244+28 TO STA. 250+19
 STA. 388+33 TO STA. 407+51
 STA. 418+24 TO STA. 420+65
 STA. 420+85 TO STA. 428+87

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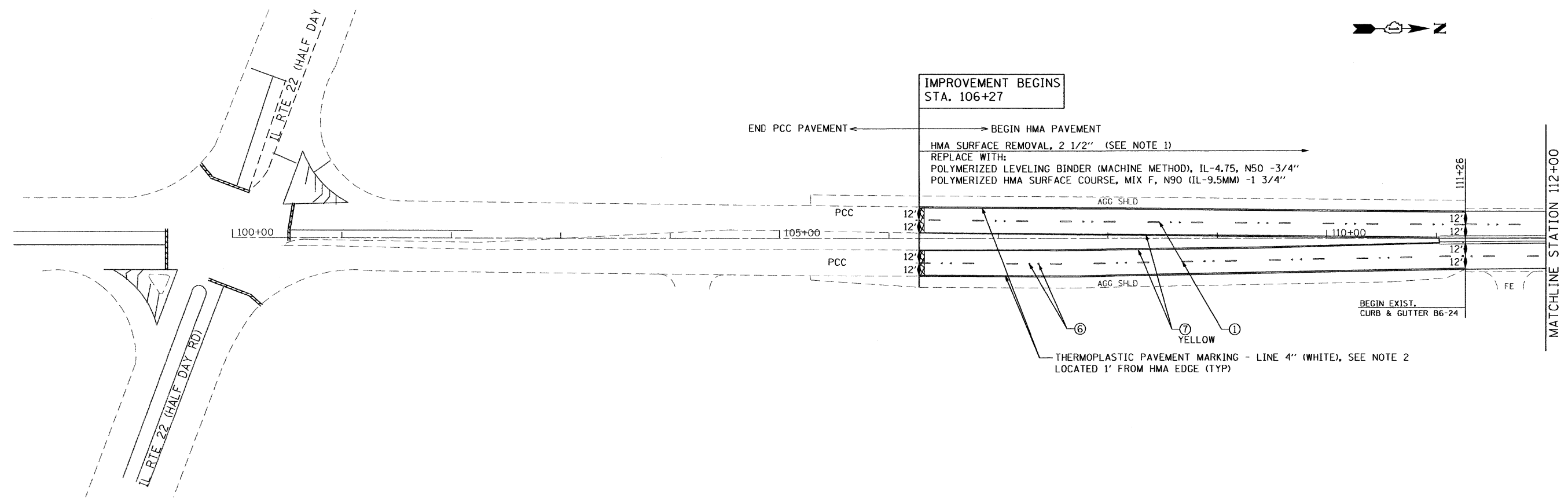
IL ROUTE 43
IL RTE 22 (HALF DAY RD) TO ATKINSON RD

TYPICAL SECTIONS

F.A.U. RTE. 2706	SECTION BY-RS-2	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 5
CONTRACT NO. 60G70				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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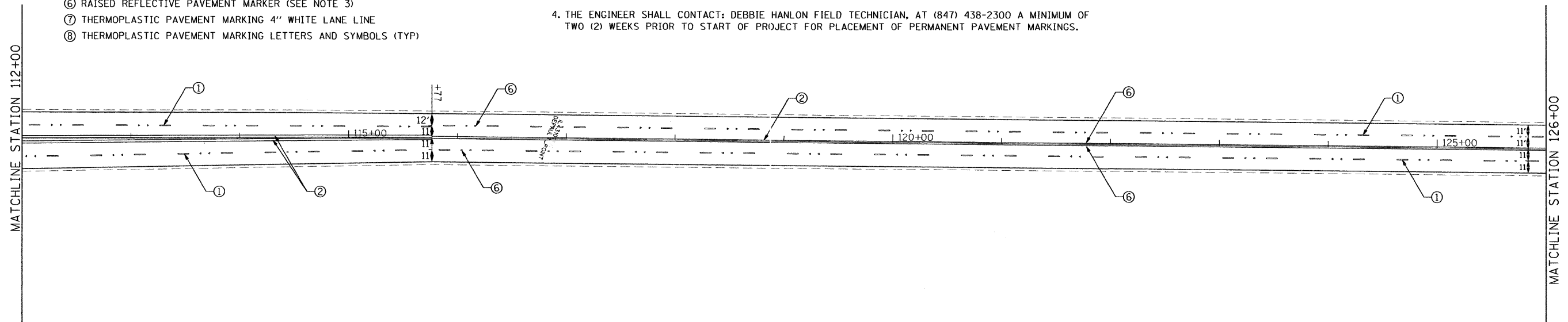


PAVEMENT MARKING LEGEND (SEE NOTE 2)

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

NOTES:

- 1. THE CONTRACTOR SHALL CONDUCT THE PAVEMENT PATCHING OPERATION PRIOR TO THE BITUMINOUS SURFACE REMOVAL OPERATION. ALL PAVEMENT PATCHING LOCATION WILL BE DETERMINED BY THE RESIDENT ENGINEER.
- 2. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
- 3. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.
- 4. THE ENGINEER SHALL CONTACT: DEBBIE HANLON FIELD TECHNICIAN, AT (847) 438-2300 A MINIMUM OF TWO (2) WEEKS PRIOR TO START OF PROJECT FOR PLACEMENT OF PERMANENT PAVEMENT MARKINGS.



PROPOSED 4.5' HMA SURFACE REMOVAL BUTT JOINT
SEE BUTT JOINTS AND HMA TAPER DETAILS (BD32)

FILE NAME = F:\2007\ME07080_Ver\er-Phil\Cadd\W015_IL43\Shvs\Plan-sht-IL43-01.dgn
 USER NAME = Phil
 USER ENGINEERING



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DATE - 4/22/2009	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 43
IL RTE 22 (HALF DAY RD) TO ATKINSON RD**

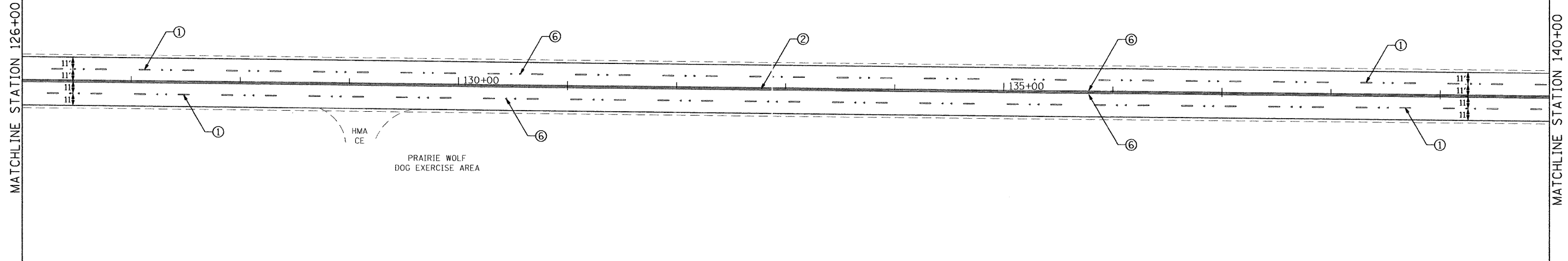
SCALE: 1"=50' SHEET NO. OF SHEETS STA. 100+00 TO STA. 125+00

F.A.U. RTE. 2706	SECTION BY-RS-2	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 6
CONTRACT NO. 60G70				

PLN-01

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HMA SURFACE REMOVAL, 2 1/2" (SEE NOTE 1)
 REPLACE WITH:
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 -3/4"
 POLYMERIZED HMA SURFACE COURSE, MIX F, N90 -1 3/4"

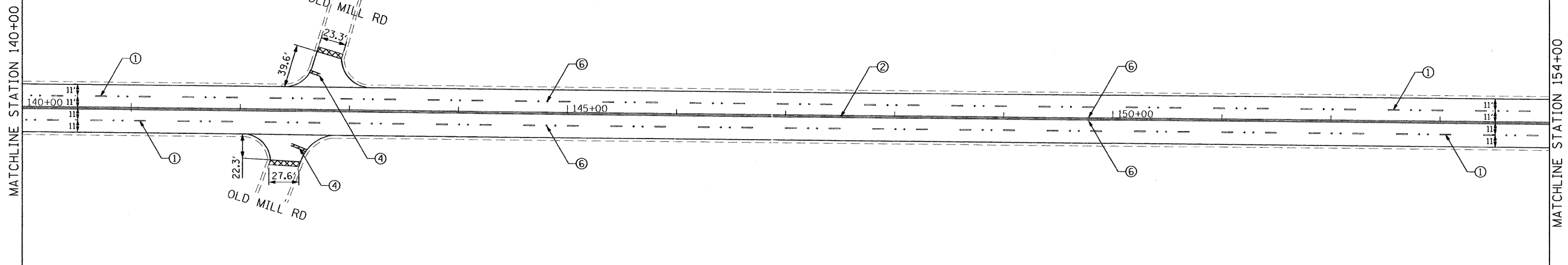


PAVEMENT MARKING LEGEND (SEE NOTE 2)

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

NOTES:

1. THE CONTRACTOR SHALL CONDUCT THE PAVEMENT PATCHING OPERATION PRIOR TO THE BITUMINOUS SURFACE REMOVAL OPERATION. ALL PAVEMENT PATCHING LOCATION WILL BE DETERMINED BY THE RESIDENT ENGINEER.
2. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
3. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.
4. THE ENGINEER SHALL CONTACT: DEBBIE HANLON FIELD TECHNICIAN, AT (847) 438-2300 A MINIMUM OF TWO (2) WEEKS PRIOR TO START OF PROJECT FOR PLACEMENT OF PERMANENT PAVEMENT MARKINGS.



PROPOSED 4.5' HMA SURFACE REMOVAL BUTT JOINT
 SEE BUTT JOINTS AND HMA TAPER DETAILS (BD32)

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 USER NAME: Phil
 MILLENNIA ENGINEERING



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DRAWN - TVN	REVISED -
CHECKED - RPD	REVISED -
DATE - 4/22/2009	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 43
 IL RTE 22 (HALF DAY RD) TO ATKINSON RD

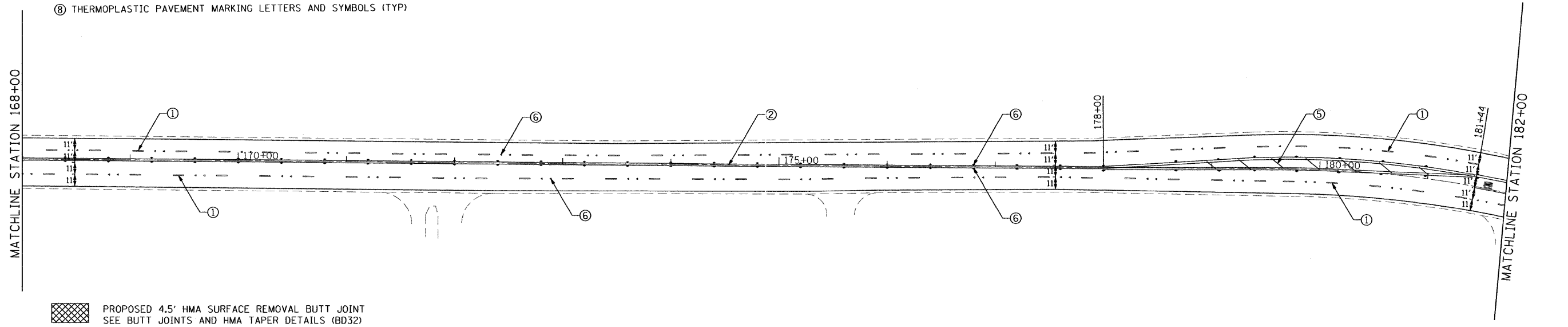
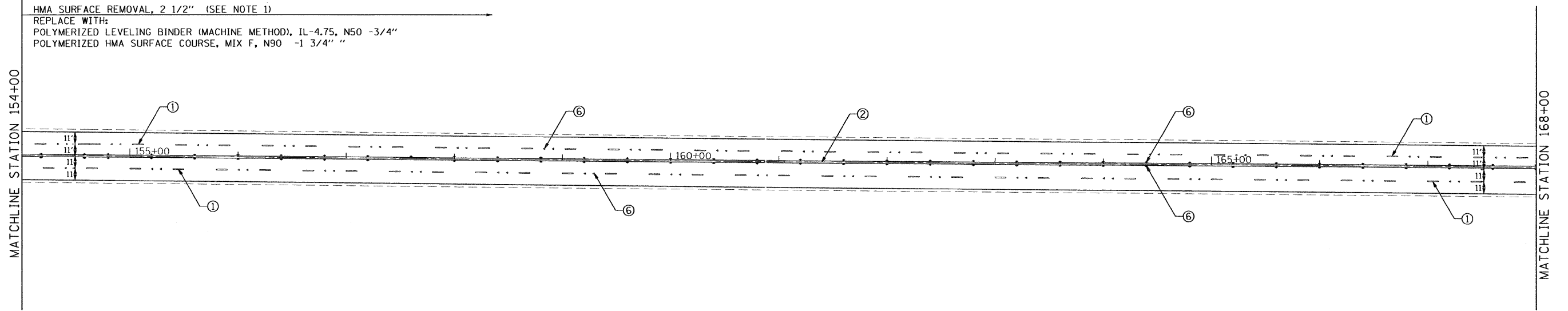
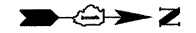
ROADWAY &
 PAVEMENT MARKING PLAN

F.A.U. RTE. 2706	SECTION BY-RS-2	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 7
CONTRACT NO. 60G70				

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 126+00 TO STA. 154+00

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
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PLN-02



PAVEMENT MARKING LEGEND (SEE NOTE 2)

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

NOTES:

1. THE CONTRACTOR SHALL CONDUCT THE PAVEMENT PATCHING OPERATION PRIOR TO THE BITUMINOUS SURFACE REMOVAL OPERATION. ALL PAVEMENT PATCHING LOCATION WILL BE DETERMINED BY THE RESIDENT ENGINEER.
2. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
3. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.
4. THE ENGINEER SHALL CONTACT: DEBBIE HANLON FIELD TECHNICIAN, AT (847) 438-2300 A MINIMUM OF TWO (2) WEEKS PRIOR TO START OF PROJECT FOR PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

P:\2007\ME07080_VerVer_Plan\CAD\MOIS_IL43\Shs\Plan\sh-IL43-03.dgn
 USER: NAME
 MILLENNIA PROFESSIONAL SERVICES



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CHECKED - RPD	REVISED -
DATE - 4/22/2009	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 43
 IL RTE 22 (HALF DAY RD) TO ATKINSON RD**

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 154+00 TO STA. 182+00

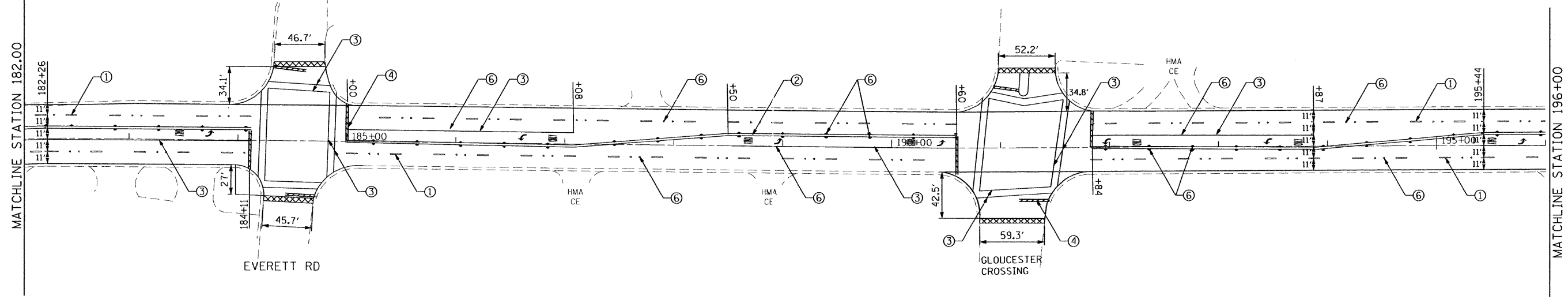
**ROADWAY &
 PAVEMENT MARKING PLAN**

F.A.J. RTE. 2706	SECTION BY-RS-2	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 8
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G70	

PLN-03

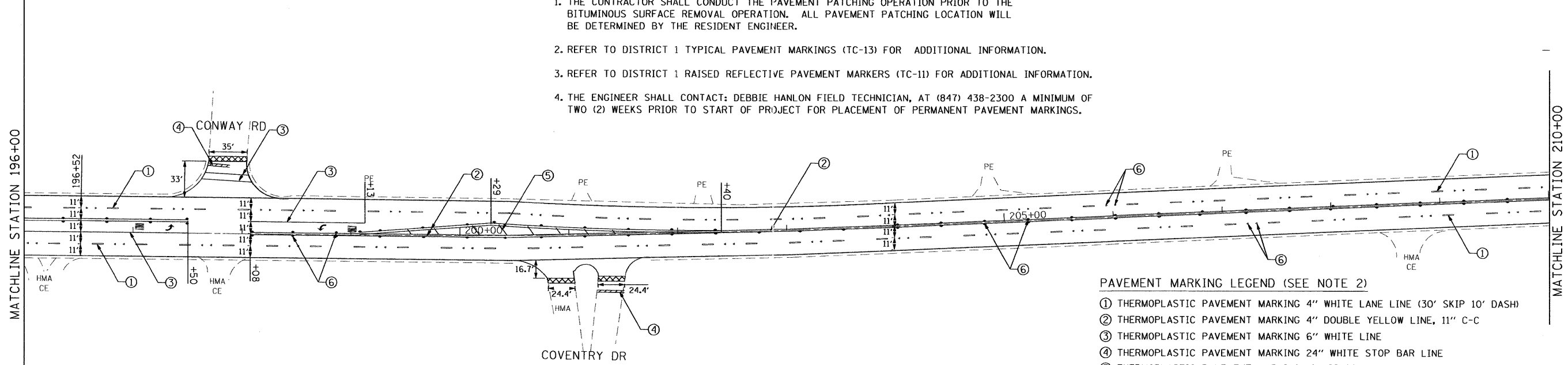
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HMA SURFACE REMOVAL, 2 1/2" (SEE NOTE 1)
 REPLACE WITH:
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 -3/4"
 POLYMERIZED HMA SURFACE COURSE, MIX F, N90 1 3/4"



NOTES:

1. THE CONTRACTOR SHALL CONDUCT THE PAVEMENT PATCHING OPERATION PRIOR TO THE BITUMINOUS SURFACE REMOVAL OPERATION. ALL PAVEMENT PATCHING LOCATION WILL BE DETERMINED BY THE RESIDENT ENGINEER.
2. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
3. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.
4. THE ENGINEER SHALL CONTACT: DEBBIE HANLON FIELD TECHNICIAN, AT (847) 438-2300 A MINIMUM OF TWO (2) WEEKS PRIOR TO START OF PROJECT FOR PLACEMENT OF PERMANENT PAVEMENT MARKINGS.



PAVEMENT MARKING LEGEND (SEE NOTE 2)

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

PROPOSED 4.5' HMA SURFACE REMOVAL BUTT JOINT
 SEE BUTT JOINTS AND HMA TAPER DETAILS (BD32)

FILE NAME = F:\2007\ME070808_Ver-Var-Plan-Cadd\W015_IL43\Shvs\Plan-shvt-IL43-04.dgn
 USER NAME = MJS
 DATE = 4/22/2009

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CHECKED - RPD	REVISED -
DATE - 4/22/2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 43
IL RTE 22 (HALF DAY RD) TO ATKINSON RD

ROADWAY & PAVEMENT MARKING PLAN

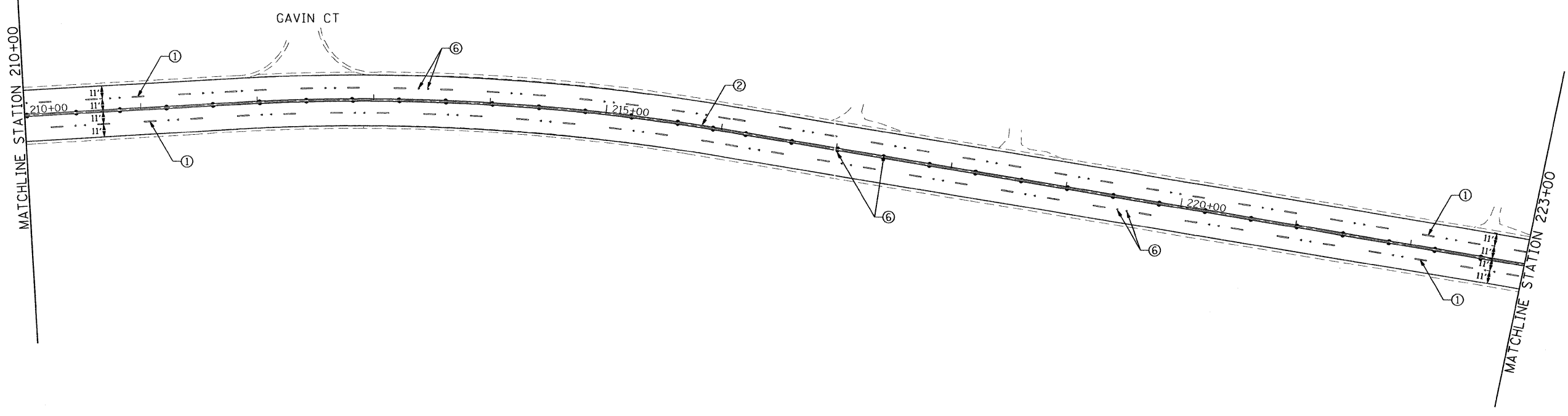
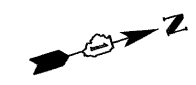
SCALE: 1"=50' SHEET NO. OF SHEETS STA. 182+00 TO STA. 210+00

F.A.U. RTE. 2706	SECTION BY-RS-2	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 9
CONTRACT NO. 60G70				

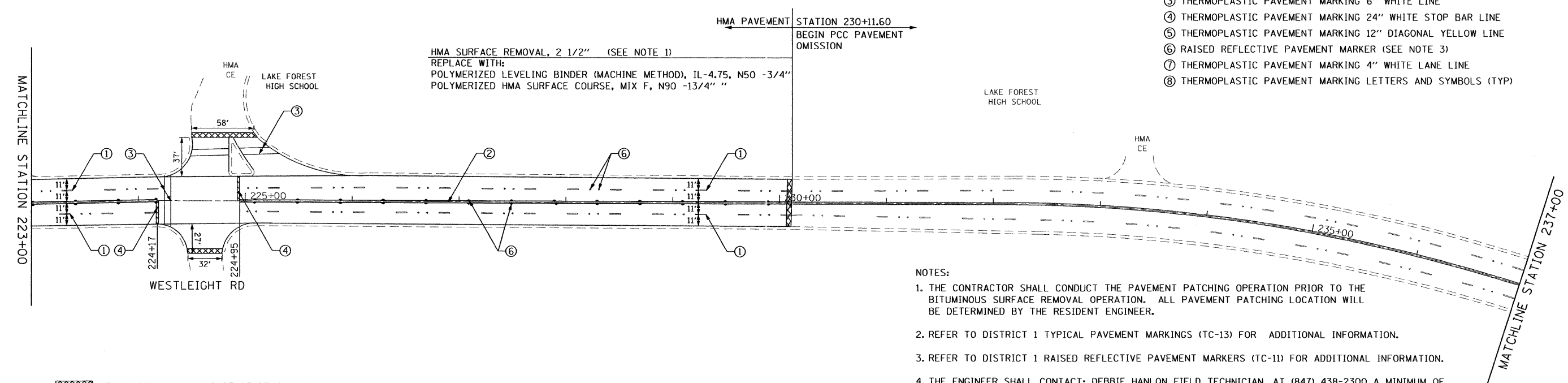
PLN-04

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HMA SURFACE REMOVAL, 2 1/2" (SEE NOTE 1)
 REPLACE WITH:
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 -3/4"
 POLYMERIZED HMA SURFACE COURSE, MIX F, N90 -1 3/4" "



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



- NOTES:
1. THE CONTRACTOR SHALL CONDUCT THE PAVEMENT PATCHING OPERATION PRIOR TO THE BITUMINOUS SURFACE REMOVAL OPERATION. ALL PAVEMENT PATCHING LOCATION WILL BE DETERMINED BY THE RESIDENT ENGINEER.
 2. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
 3. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.
 4. THE ENGINEER SHALL CONTACT: DEBBIE HANLON FIELD TECHNICIAN, AT (847) 438-2300 A MINIMUM OF TWO (2) WEEKS PRIOR TO START OF PROJECT FOR PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

PROPOSED 4.5' HMA SURFACE REMOVAL BUTT JOINT
 SEE BUTT JOINTS AND HMA TAPER DETAILS (BD32)

FILE NAME : F:\2007\ME070808_Ver-Var_Plan-Cadd\M015_IL43\Shvs\Plan-shr-IL43-05.dgn
 USER : JMM
 USER NAME : JMM



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DRAWN - TVN	REVISED -
CHECKED - RPD	REVISED -
DATE - 4/22/2009	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 43
 IL RTE 22 (HALF DAY RD) TO ATKINSON RD**

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 210+00 TO STA. 237+00

**ROADWAY &
 PAVEMENT MARKING PLAN**

F.A.U. RTE. 2706	SECTION BY-RS-2	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 10
CONTRACT NO. 60G70				

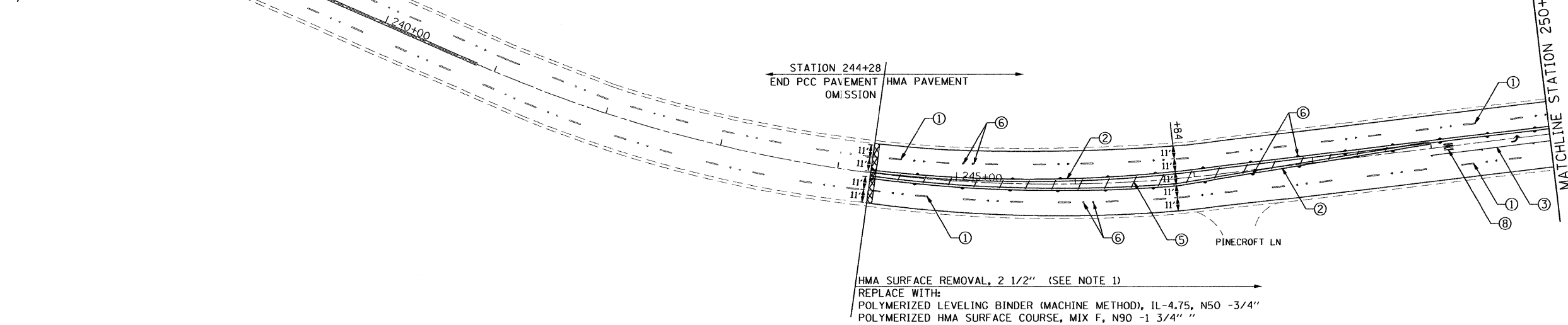
PLN-05

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT
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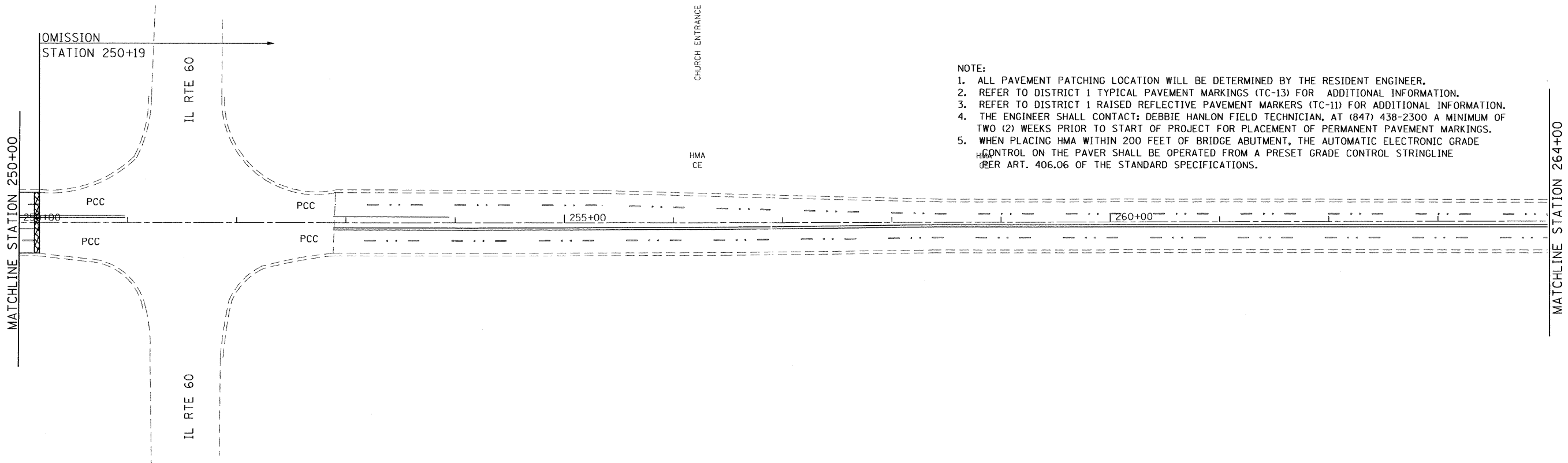
MATCHLINE STATION 237+00

PAVEMENT MARKING LEGEND (SEE NOTE 2)

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



HMA SURFACE REMOVAL, 2 1/2" (SEE NOTE 1)
 REPLACE WITH:
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 -3/4"
 POLYMERIZED HMA SURFACE COURSE, MIX F, N90 -1 3/4"



- NOTE:
1. ALL PAVEMENT PATCHING LOCATION WILL BE DETERMINED BY THE RESIDENT ENGINEER.
 2. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
 3. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.
 4. THE ENGINEER SHALL CONTACT: DEBBIE HANLON FIELD TECHNICIAN, AT (847) 438-2300 A MINIMUM OF TWO (2) WEEKS PRIOR TO START OF PROJECT FOR PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
 5. WHEN PLACING HMA WITHIN 200 FEET OF BRIDGE ABUTMENT, THE AUTOMATIC ELECTRONIC GRADE CONTROL ON THE PAVER SHALL BE OPERATED FROM A PRESET GRADE CONTROL STRINGLINE PER ART. 406.06 OF THE STANDARD SPECIFICATIONS.

FILE NAME = F:\2007\ME070880_Ver-Var-Phl\Cadd\W015_IL43\Shets\Plan-shet-IL43-06.dgn
 USER NAME = MJS
 PLOT DATE = 4/22/2009 11:58:00 AM
 PLOT SCALE = 1/8"=1'-0"



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DRAWN - TVN	REVISED -
CHECKED - RPD	REVISED -
DATE - 4/22/2009	REVISED -

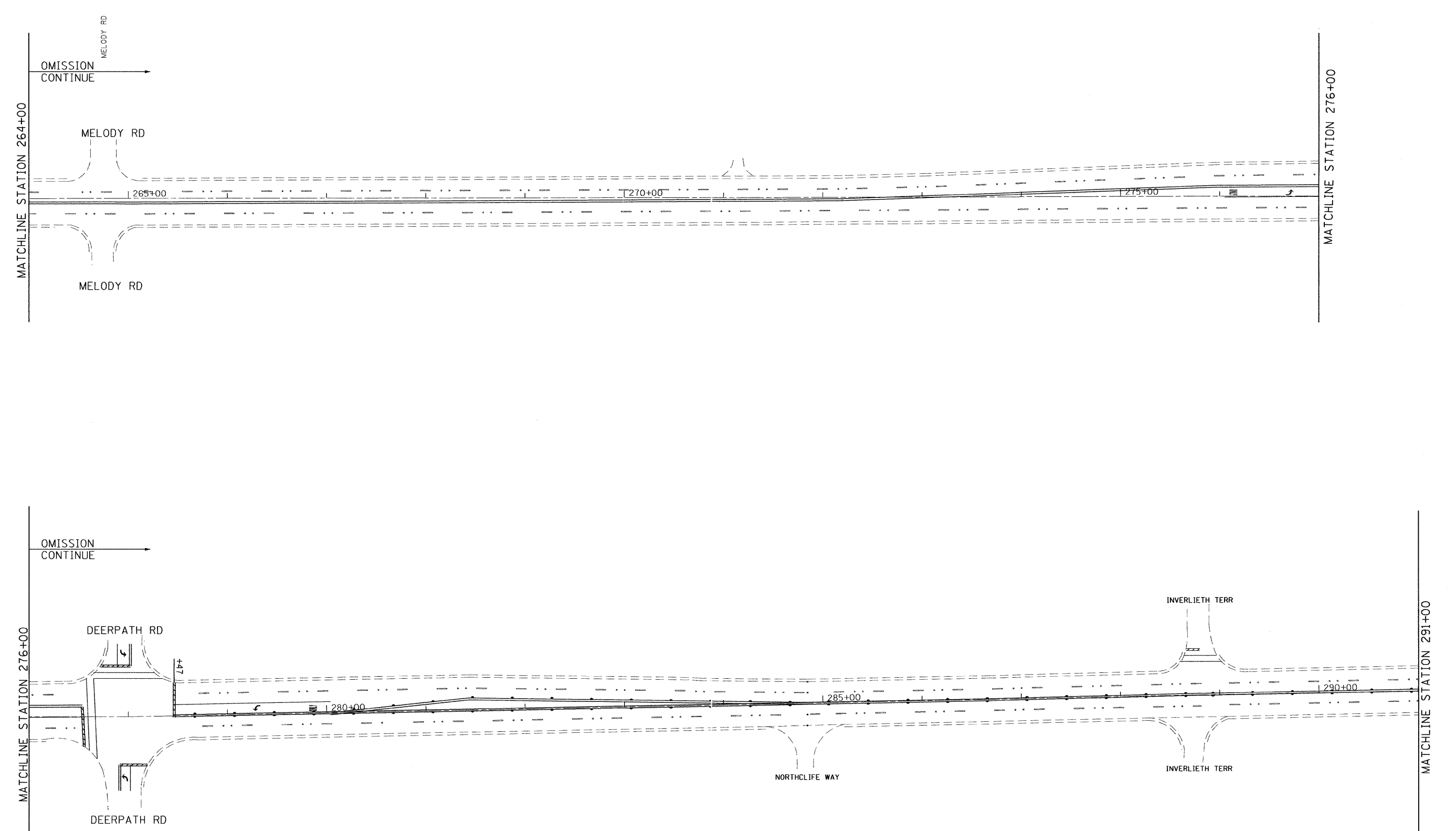
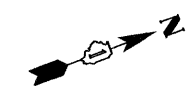
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 43 IL RTE 22 (HALF DAY RD) TO ATKINSON RD		ROADWAY & PAVEMENT MARKING PLAN	
SCALE: 1/8"=1'-0"	SHEET NO. OF SHEETS	STA. 237+00 TO STA. 264+00	

F.A.U. RTE. 2706	SECTION BY-RS-2	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 11
CONTRACT NO. 60G70				

PLN-06

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FILE NAME = P:\2007\ME070800_Ver\Var-Phl\Cadd\W015_IL43\Shvs\Plan\sh-IL43-07.dgn
 USER NAME = M. J. M. Engineering

PLN-07



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DRAWN - TVN	REVISED -
CHECKED - RPD	REVISED -
DATE - 4/22/2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

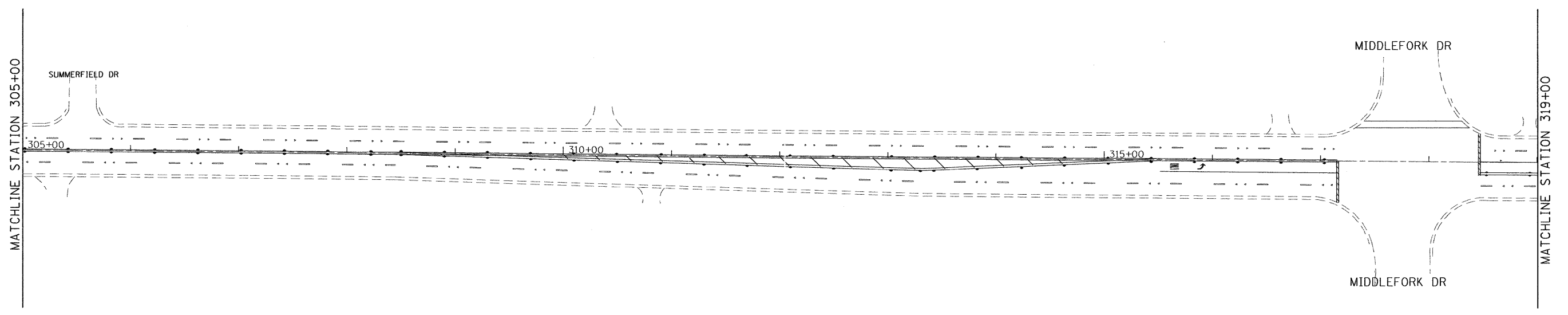
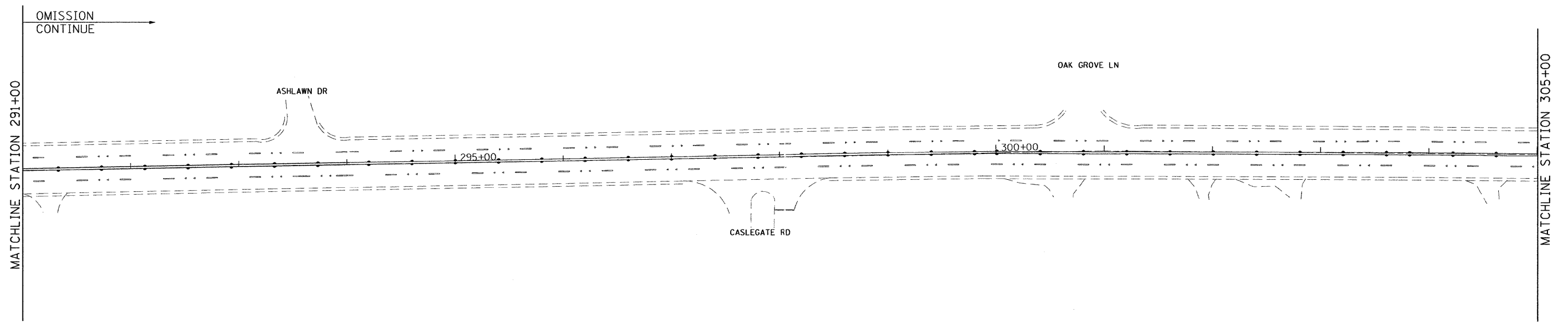
IL ROUTE 43
IL RTE 22 (HALF DAY RD) TO ATKINSON RD


ROADWAY &
PAVEMENT MARKING PLAN

F.A.U. RTE. 2706	SECTION BY-RS-2	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 12
CONTRACT NO. 60G70				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

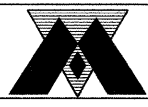
SCALE: 1"=50' SHEET NO. OF SHEETS STA. 264+00 TO STA. 291+00

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 PROPOSED 4.5' HMA SURFACE REMOVAL BUTT JOINT
SEE BUTT JOINTS AND HMA TAPER DETAILS (BD32)

FILE NAME = F:\2007\ME070800_Ver\er_Phil\Cadd\W015_IL43\Shs\Plan-sh1-IL43-08.dgn
 USER NAME = Phil
 USER = Phil



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DRAWN - TVN	REVISED -
CHECKED - RPD	REVISED -
DATE - 4/22/2009	REVISED -

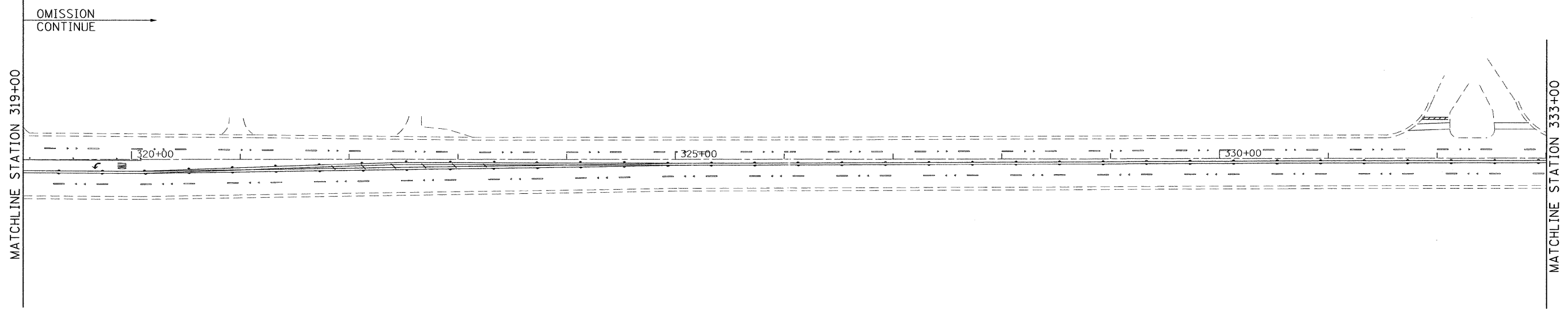
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 43 IL RTE 22 (HALF DAY RD) TO ATKINSON RD		ROADWAY & PAVEMENT MARKING PLAN	
SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. 291+00 TO STA. 319+00	

F.A.U. RTE. 2706	SECTION BY-RS-2	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 13
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT CONTRACT NO. 60G70				

PLN-08

F:\2007\ME070800_Ver\er_Phil\Cadd\W015_IL43\Shs\Plan-sh1-IL43-08.dgn

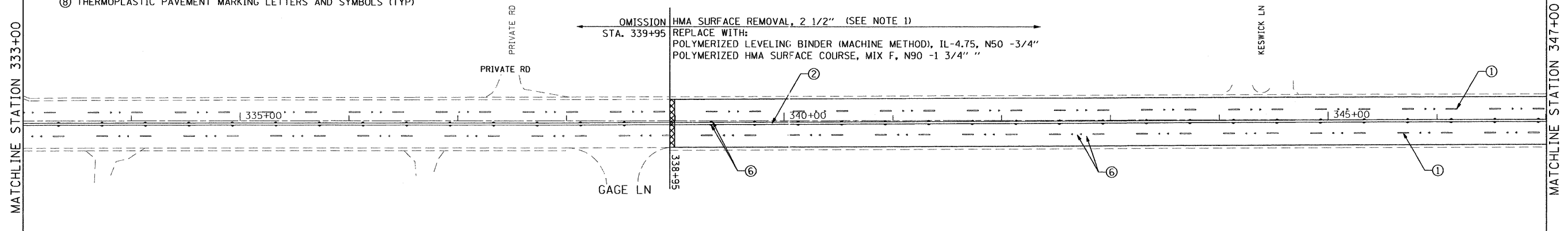


PAVEMENT MARKING LEGEND (SEE NOTE 2)

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

NOTES:

1. THE CONTRACTOR SHALL CONDUCT THE PAVEMENT PATCHING OPERATION PRIOR TO THE BITUMINOUS SURFACE REMOVAL OPERATION. ALL PAVEMENT PATCHING LOCATION WILL BE DETERMINED BY THE RESIDENT ENGINEER.
2. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
3. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.
4. THE ENGINEER SHALL CONTACT: DEBBIE HANLON FIELD TECHNICIAN, AT (847) 438-2300 A MINIMUM OF TWO (2) WEEKS PRIOR TO START OF PROJECT FOR PLACEMENT OF PERMANENT PAVEMENT MARKINGS.



PROPOSED 4.5' HMA SURFACE REMOVAL BUTT JOINT
SEE BUTT JOINTS AND HMA TAPER DETAILS (BD32)

FILE NAME = P:\2007\ME07080.Var\ar_Plan\cadd\015_IL43\Shs\Plan-sh1-IL43-09.dgn
 USER NAME = Millennium Engineering



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DRAWN - TVN	REVISED -
CHECKED - RPD	REVISED -
DATE - 4/22/2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 43
IL RTE 22 (HALF DAY RD) TO ATKINSON RD
ROADWAY & PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 319+00 TO 347+00

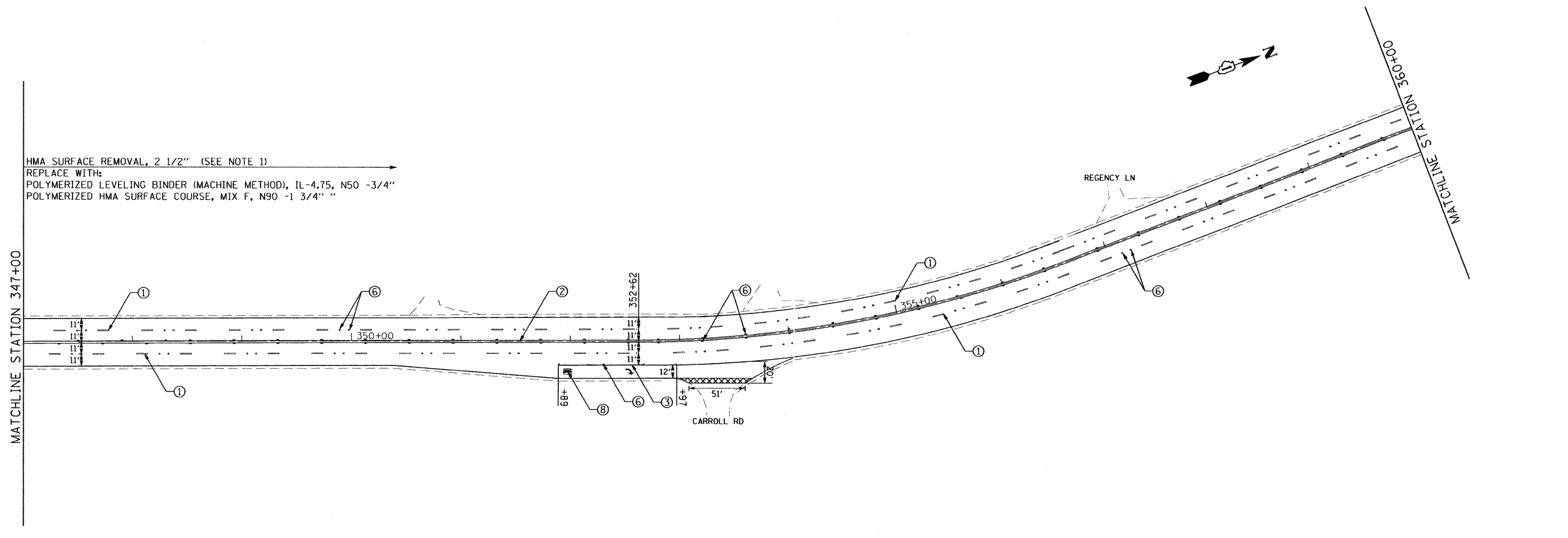
F.A.U. RTE. 2706	SECTION BY-RS-2	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 14
CONTRACT NO. 60G70				

PLN-09

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HMA SURFACE REMOVAL, 2 1/2" (SEE NOTE 1)
 REPLACE WITH:
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 -3/4"
 POLYMERIZED HMA SURFACE COURSE, MIX F, N90 -1 3/4" "

MATCHLINE STATION 347+00



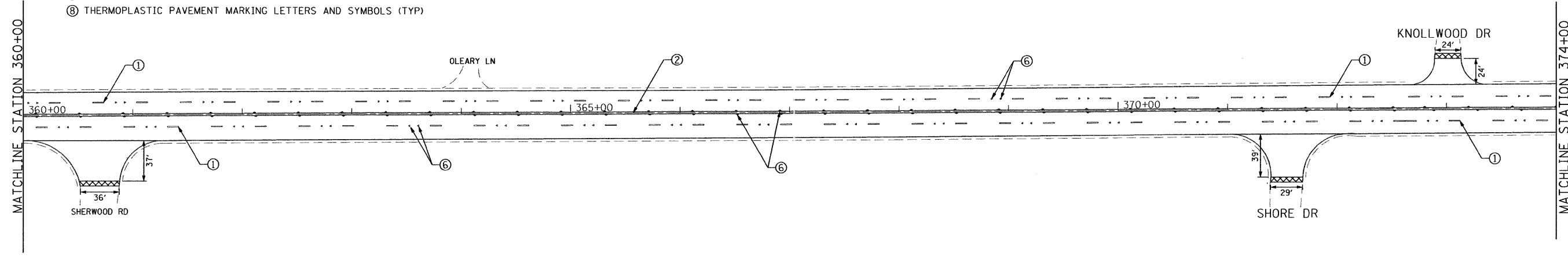
PAVEMENT MARKING LEGEND (SEE NOTE 2)

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

NOTES:

- 1. THE CONTRACTOR SHALL CONDUCT THE PAVEMENT PATCHING OPERATION PRIOR TO THE BITUMINOUS SURFACE REMOVAL OPERATION. ALL PAVEMENT PATCHING LOCATION WILL BE DETERMINED BY THE RESIDENT ENGINEER.
- 2. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
- 3. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.
- 4. THE ENGINEER SHALL CONTACT: DEBBIE HANLON FIELD TECHNICIAN, AT (847) 438-2300 A MINIMUM OF TWO (2) WEEKS PRIOR TO START OF PROJECT FOR PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

MATCHLINE STATION 360+00



MATCHLINE STATION 374+00

PROPOSED 4.5' HMA SURFACE REMOVAL BUTT JOINT
 SEE BUTT JOINTS AND HMA TAPER DETAILS (BD32)

FILE NAME = F:\2007\ME070608_Ver_Ver_Plan\Cadd\MOIS_IL43\Shvs\Plan\sh-IL43-18.dgn
 USER NAME = MJS
 USER NAME = MJS



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 630.705.8110 voice, 630.839.2566 fax
 WWW.MPS-IL.COM
MILLENNIA PROFESSIONAL SERVICES

DESIGNED - TVN	REVISED -
DRAWN - TVN	REVISED -
CHECKED - RPD	REVISED -
DATE - 4/22/2009	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 43
 IL RTE 22 (HALF DAY RD) TO ATKINSON RD**

**ROADWAY &
 PAVEMENT MARKING PLAN**

F.A.U. RTE. 2706	SECTION BY-RS-2	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 15
CONTRACT NO. 60G70				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

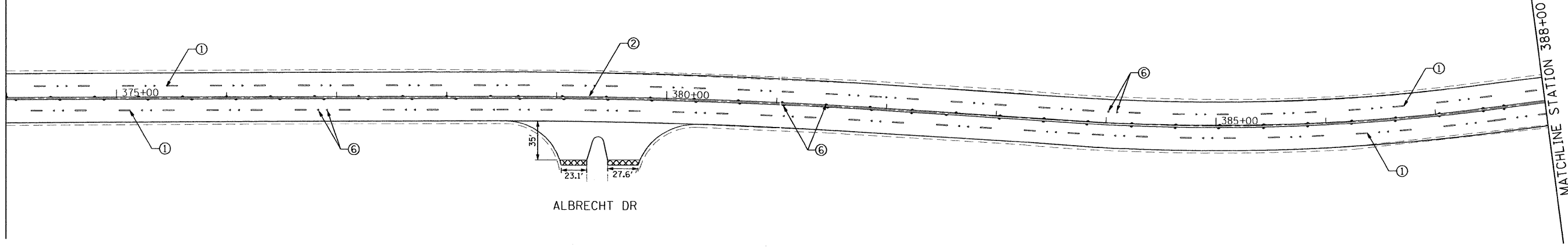
PLN-10

F:\2007\ME070608_Ver_Ver_Plan\Cadd\MOIS_IL43\Shvs\Plan\sh-IL43-18.dgn

HMA SURFACE REMOVAL, 2 1/2" (SEE NOTE 1)
 REPLACE WITH:
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), 1L-4.75, N50 -3/4"
 POLYMERIZED HMA SURFACE COURSE, MIX F, N90 -1 3/4" "



MATCHLINE STATION 374+00



MATCHLINE STATION 388+00

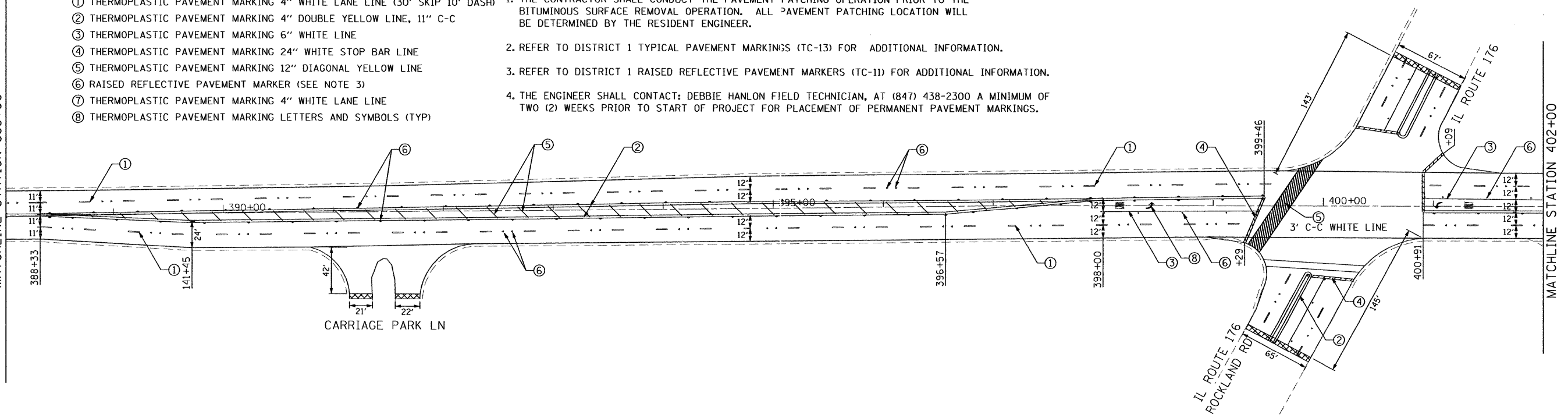
PAVEMENT MARKING LEGEND (SEE NOTE 2)

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

NOTES:

1. THE CONTRACTOR SHALL CONDUCT THE PAVEMENT PATCHING OPERATION PRIOR TO THE BITUMINOUS SURFACE REMOVAL OPERATION. ALL PAVEMENT PATCHING LOCATION WILL BE DETERMINED BY THE RESIDENT ENGINEER.
2. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
3. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.
4. THE ENGINEER SHALL CONTACT: DEBBIE HANLON FIELD TECHNICIAN, AT (847) 438-2300 A MINIMUM OF TWO (2) WEEKS PRIOR TO START OF PROJECT FOR PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

MATCHLINE STATION 388+00



MATCHLINE STATION 402+00



PROPOSED 4.5' HMA SURFACE REMOVAL BUTT JOINT
 SEE BUTT JOINTS AND HMA TAPER DETAILS (BD32)

P:\2807\ME070802_Var\Var_Plan\Cadd\W015_IL43\Shvs\Plan\sh1-IL43-11.dgn
 USER: JMM
 MILLENNIA ENGINEERING



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 630.705.8110 voice, 630.839.2566 fax
 WWW.MPS-IL.COM
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DRAWN - TVN	REVISED -
CHECKED - RPD	REVISED -
DATE - 4/22/2009	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 43
 IL RTE 22 (HALF DAY RD) TO ATKINSON RD**

**ROADWAY &
 PAVEMENT MARKING PLAN**

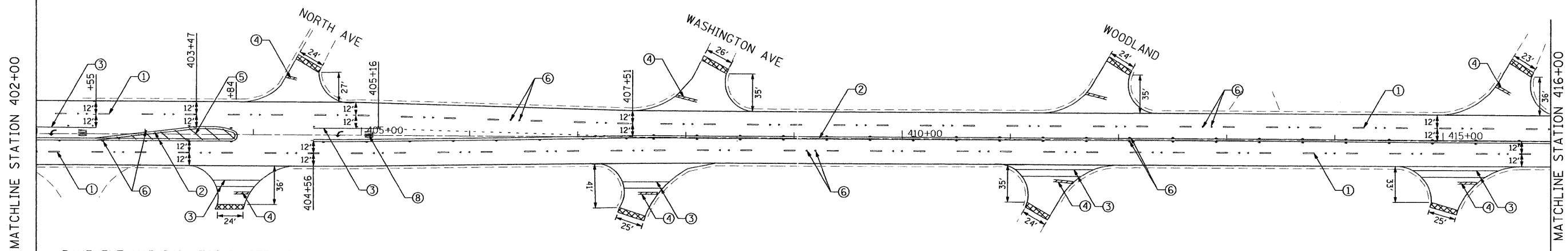
SCALE: 1"=50' SHEET NO. OF SHEETS STA.374+00 T008+00

F.A.U. RTE. 2706	SECTION BY-RS-2	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 16
CONTRACT NO. 60G70				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PLN-11

P:\2807\ME070802_Var\Var_Plan\Cadd\W015_IL43\Shvs\Plan\sh1-IL43-11.dgn

HMA SURFACE REMOVAL, 2 1/2" (SEE NOTE 1)
 REPLACE WITH:
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 -3/4"
 POLYMERIZED HMA SURFACE COURSE, MIX F, N90 -1 3/4" "

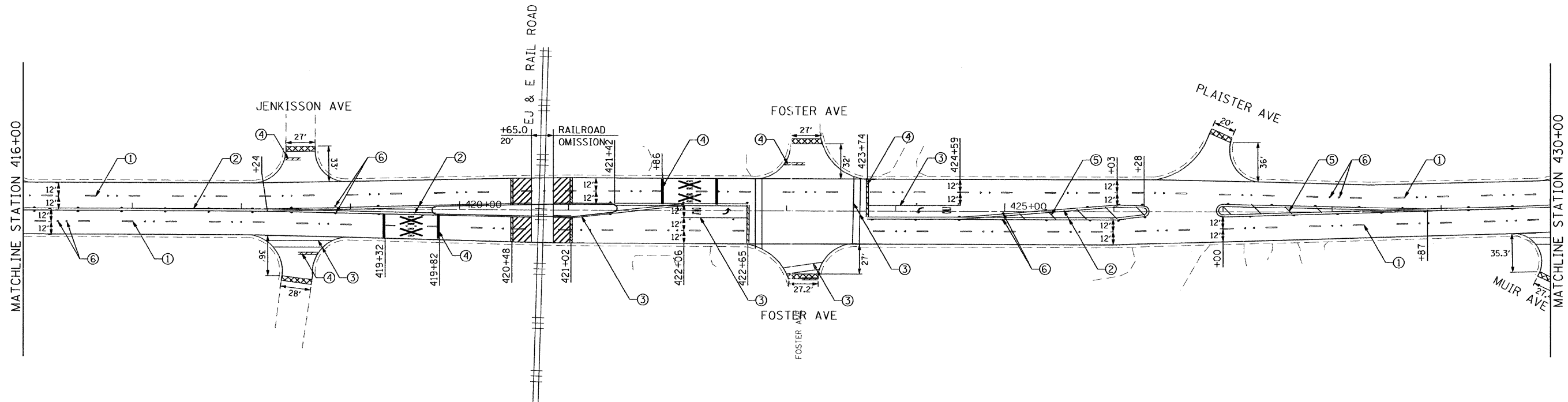


PAVEMENT MARKING LEGEND (SEE NOTE 2)

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

NOTES:

1. THE CONTRACTOR SHALL CONDUCT THE PAVEMENT PATCHING OPERATION PRIOR TO THE BITUMINOUS SURFACE REMOVAL OPERATION. ALL PAVEMENT PATCHING LOCATION WILL BE DETERMINED BY THE RESIDENT ENGINEER.
2. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
3. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.
4. THE ENGINEER SHALL CONTACT: DEBBIE HANLON FIELD TECHNICIAN, AT (847) 438-2300 A MINIMUM OF TWO (2) WEEKS PRIOR TO START OF PROJECT FOR PLACEMENT OF PERMANENT PAVEMENT MARKINGS.



PROPOSED 4.5' HMA SURFACE REMOVAL BUTT JOINT
 SEE BUTT JOINTS AND HMA TAPER DETAILS (BD32)

FILE NAME = P:\2007\ME07080_Ver\Var-Phl\N\Cadd\MOIS_IL43\Shvs\Plan\sh-IL43-12.dgn
 USER NAME = MJS
 USER TITLE = Millenia Professional Services



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 630.785.8110 voice, 630.839.2566 fax
 WWW.MPS-IL.COM
MILLENNIA PROFESSIONAL SERVICES

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DRAWN - TVN	REVISED -
CHECKED - RPD	REVISED -
DATE - 4/22/2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 43
IL RTE 22 (HALF DAY RD) TO ATKINSON RD
ROADWAY & PAVEMENT MARKING PLAN

SCALE: 1"=50' SHEET NO. OF SHEETS STA402+00 TO409+00

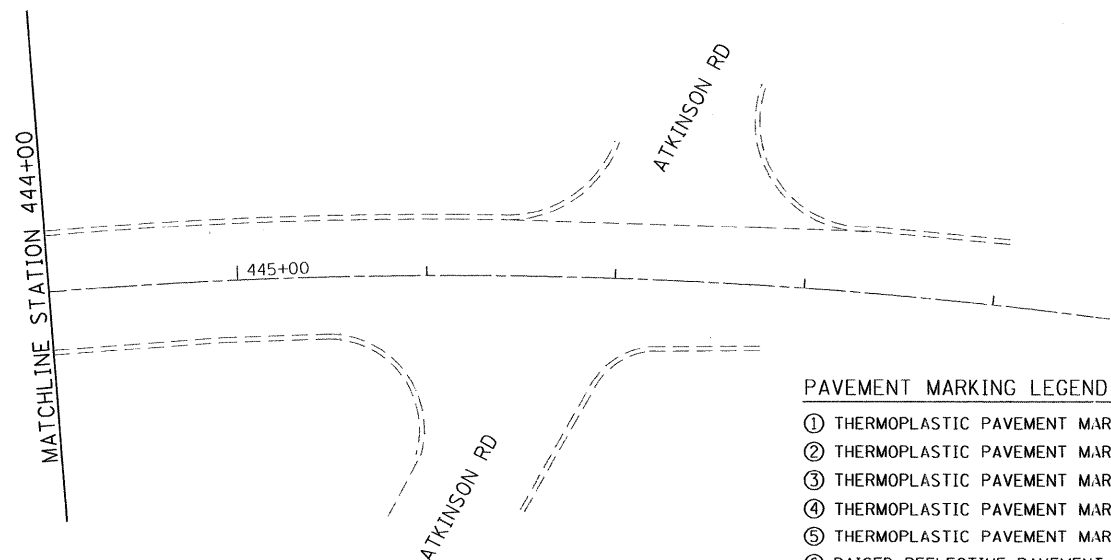
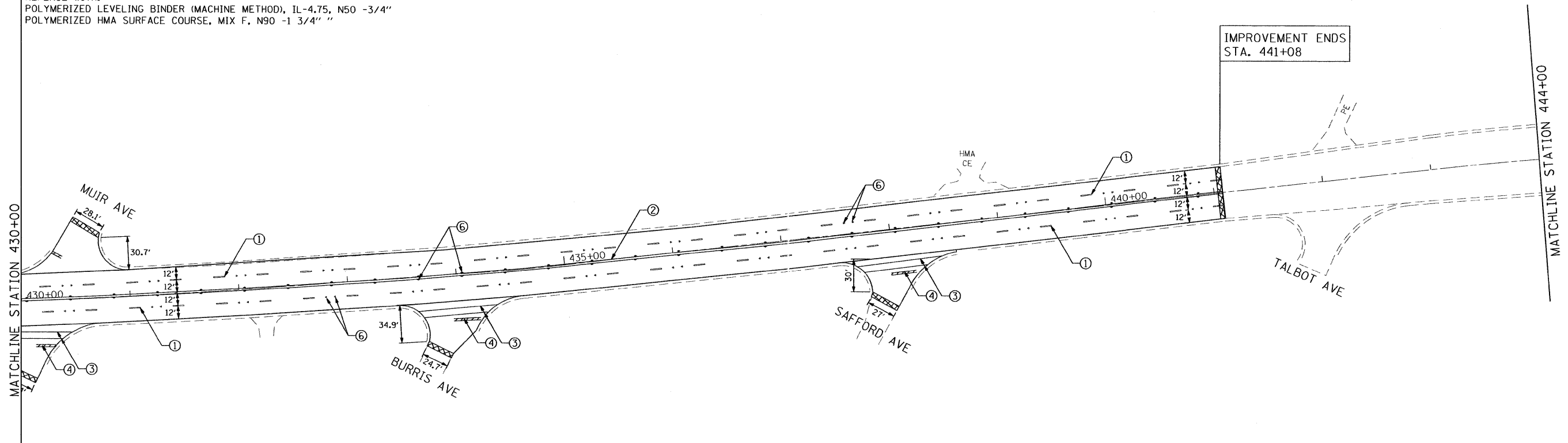
F.A.U. RTE. 2706	SECTION BY-RS-2	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 17
CONTRACT NO. 60G70				

PLN-12

F:\2007\ME07080_Ver\Var-Phl\N\Cadd\MOIS_IL43\Shvs\Plan\sh-IL43-12.dgn

HMA SURFACE REMOVAL, 2 1/2" (SEE NOTE 1)
 REPLACE WITH:
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 -3/4"
 POLYMERIZED HMA SURFACE COURSE, MIX F, N90 -1 3/4" "

IMPROVEMENT ENDS
 STA. 441+08



PAVEMENT MARKING LEGEND (SEE NOTE 2)

- ① THERMOPLASTIC PAVEMENT MARKING 4" WHITE LANE LINE (30' SKIP 10' DASH)
- ② THERMOPLASTIC PAVEMENT MARKING 4" DOUBLE YELLOW LINE, 11" C-C
- ③ THERMOPLASTIC PAVEMENT MARKING 6" WHITE LINE
- ④ THERMOPLASTIC PAVEMENT MARKING 24" WHITE STOP BAR LINE
- ⑤ THERMOPLASTIC PAVEMENT MARKING 12" DIAGONAL YELLOW LINE
- ⑥ RAISED REFLECTIVE PAVEMENT MARKER (SEE NOTE 3)
- ⑦
- ⑧

PROPOSED 4.5' HMA SURFACE REMOVAL BUTT JOINT
 SEE BUTT JOINTS AND HMA TAPER DETAILS (BD32)

NOTES:

1. THE CONTRACTOR SHALL CONDUCT THE PAVEMENT PATCHING OPERATION PRIOR TO THE BITUMINOUS SURFACE REMOVAL OPERATION. ALL PAVEMENT PATCHING LOCATION WILL BE DETERMINED BY THE RESIDENT ENGINEER.
2. REFER TO DISTRICT 1 TYPICAL PAVEMENT MARKINGS (TC-13) FOR ADDITIONAL INFORMATION.
3. REFER TO DISTRICT 1 RAISED REFLECTIVE PAVEMENT MARKERS (TC-11) FOR ADDITIONAL INFORMATION.
4. THE ENGINEER SHALL CONTACT: DEBBIE HANLON FIELD TECHNICIAN, AT (847) 438-2300 TWO (2) WEEKS PRIOR TO START OF PROJECT FOR PLACEMENT OF PERMANENT PAVEMENT.

FILE NAME = P:\2007\ME07080_Ver\Ver-Phi\Cadd\W015_IL43\Shts\Plan-sht-IL43-13.dgn
 USER NAME = Millenia Engineering



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DRAWN - TVN	REVISED -
CHECKED - RPD	REVISED -
DATE - 4/22/2009	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 43		ROADWAY & PAVEMENT MARKING PLAN	
IL RTE 22 (HALF DAY RD) TO ATKINSON RD			
SCALE: 1"=50'	SHEET NO. OF SHEETS	STA. 430+00 TO STA. 444+00	

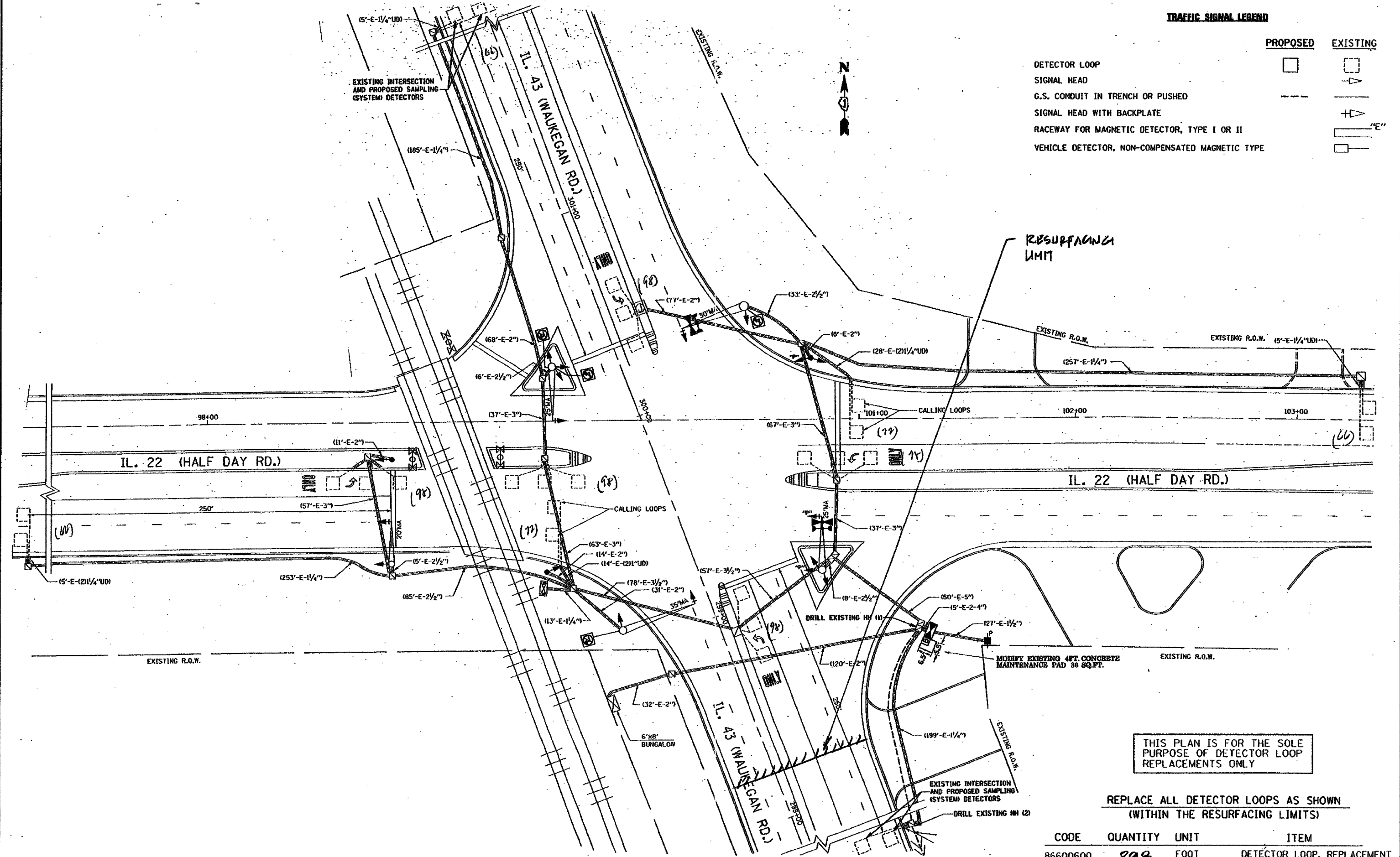
F.A.U. RTE. 2706	SECTION BY-RS-2	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 18
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 60G70	

PLN-13

P:\2007\ME07080_Ver\Ver-Phi\Cadd\W015_IL43\Shts\Plan-sht-IL43-13.dgn

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
DETECTOR LOOP		
SIGNAL HEAD		
G.S. CONDUIT IN TRENCH OR PUSHED		
SIGNAL HEAD WITH BACKPLATE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR II		
VEHICLE DETECTOR, NON-COMPENSATED MAGNETIC TYPE		



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

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

CODE	QUANTITY	UNIT	ITEM
86600600	898	FOOT	DETECTOR LOOP, REPLACEMENT

FILE NAME =	USER NAME = konthaphraybo	DESIGNED - BCK	REVISED -
c:\p\work\PI\DOT\KANTHAPHRAYBO\081126	\\trafic.legend.v7.dgn	DRAWN - BCK	REVISED -
	PLOT SCALE = 3/4" = 1'	CHECKED - DAO	REVISED -
	PLOT DATE = 4/3/2009	DATE	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

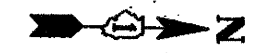
DISTRICT ONE - DETECTOR LOOP REPLACEMENT
IL. RTE. 43 @ IL. RTE. 22

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2700	BY-RS-2	LAKE	37	19
CONTRACT NO.			60670	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

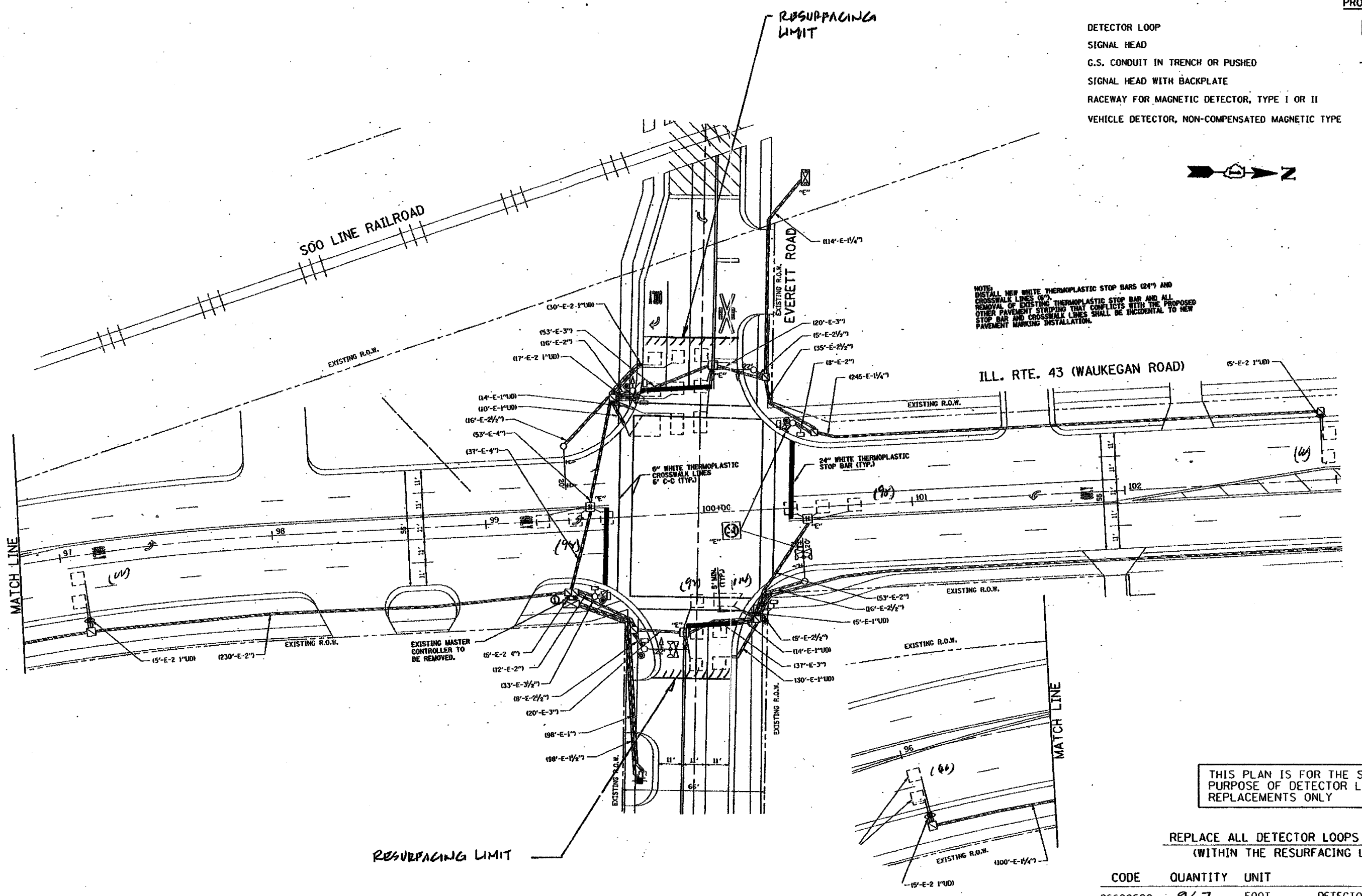
SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
DETECTOR LOOP		
SIGNAL HEAD		
G.S. CONDUIT IN TRENCH OR PUSHED		
SIGNAL HEAD WITH BACKPLATE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR II		
VEHICLE DETECTOR, NON-COMPENSATED MAGNETIC TYPE		



NOTE: INSTALL NEW WHITE THERMOPLASTIC STOP BARS (24") AND CROSSWALK LINES (6"). REMOVE EXISTING THERMOPLASTIC STOP BAR AND ALL OTHER PAVEMENT STRIPING THAT CONFLICTS WITH THE PROPOSED STOP BAR AND CROSSWALK LINES. STRIPING SHALL BE INCIDENTAL TO NEW PAVEMENT MARKING INSTALLATION.



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

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

CODE	QUANTITY	UNIT	ITEM
86600600	967	FOOT	DETECTOR LOOP, REPLACEMENT

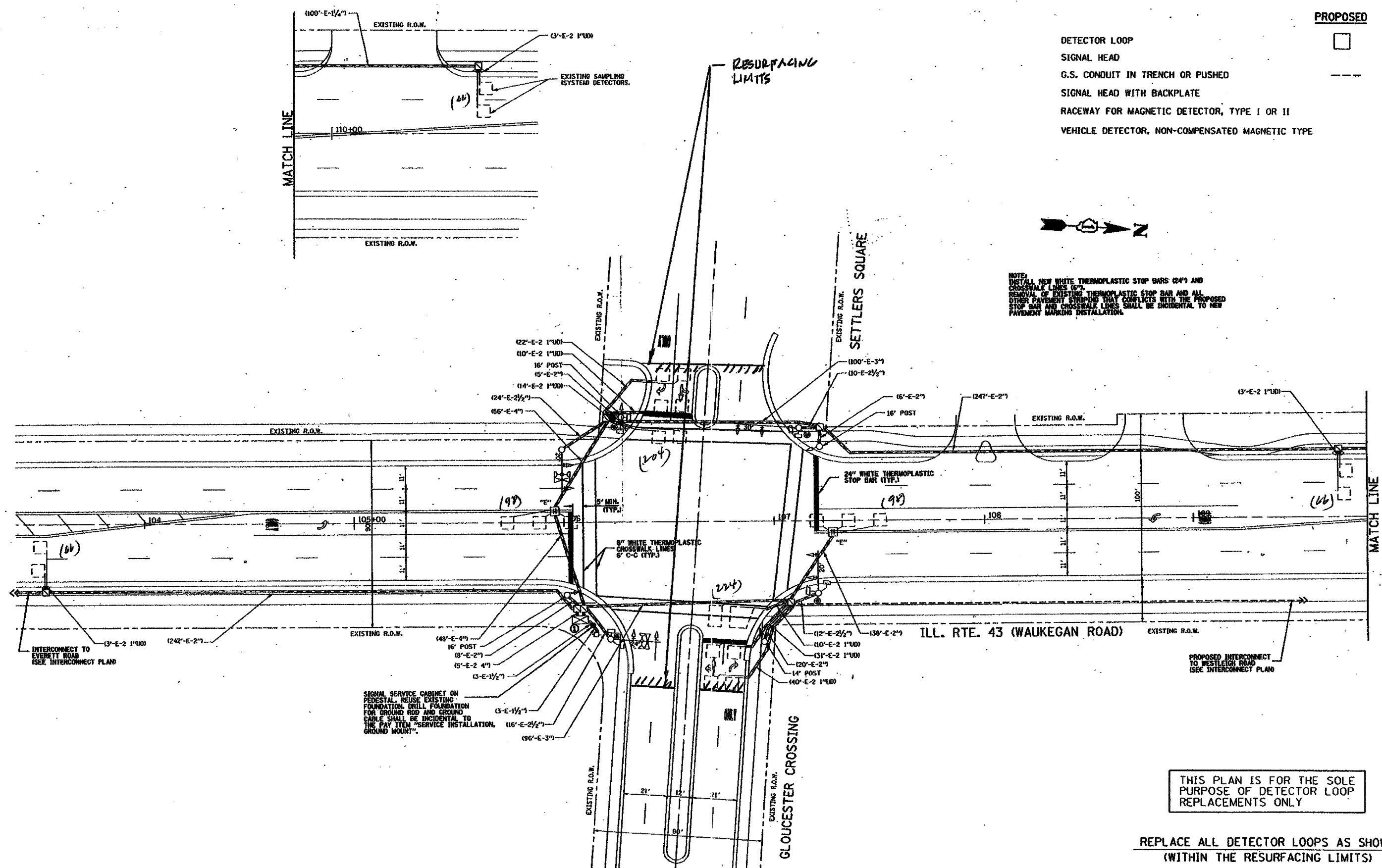
FILE NAME =	USER NAME = kxanthophxqgbc	DESIGNED - BCK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE - DETECTOR LOOP REPLACEMENT ILL. Rte 43 @ EVERETT ROAD	F.A.M. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\PH00T\KXANTHAPHXQYBC\d01126	4\tr-offic_legend_v7.dgn	DRAWN - BCK	REVISED -			2760	BY-RS-2	LAKE	37	28
PLOT SCALE = 3/4" = 1' IN.	CHECKED - DAD	REVISED -	REVISED -			60670		CONTRACT NO.		
PLOT DATE = 4/3/2009	DATE	REVISED -	REVISED -			SCALE: NONE		SHEET NO. OF SHEETS		STA. TO STA.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
DETECTOR LOOP		
SIGNAL HEAD		
G.S. CONDUIT IN TRENCH OR PUSHED		
SIGNAL HEAD WITH BACKPLATE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR II		
VEHICLE DETECTOR, NON-COMPENSATED MAGNETIC TYPE		



NOTE:
INSTALL NEW WHITE THERMOPLASTIC STOP BARS (24") AND CROSSWALK LINES (6")
REMOVAL OF EXISTING THERMOPLASTIC STOP BAR AND ALL OTHER PAVEMENT STRIPING THAT CONFLICTS WITH THE PROPOSED STOP BAR AND CROSSWALK LINES SHALL BE INCIDENTAL TO NEW PAVEMENT MARKING INSTALLATION.



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

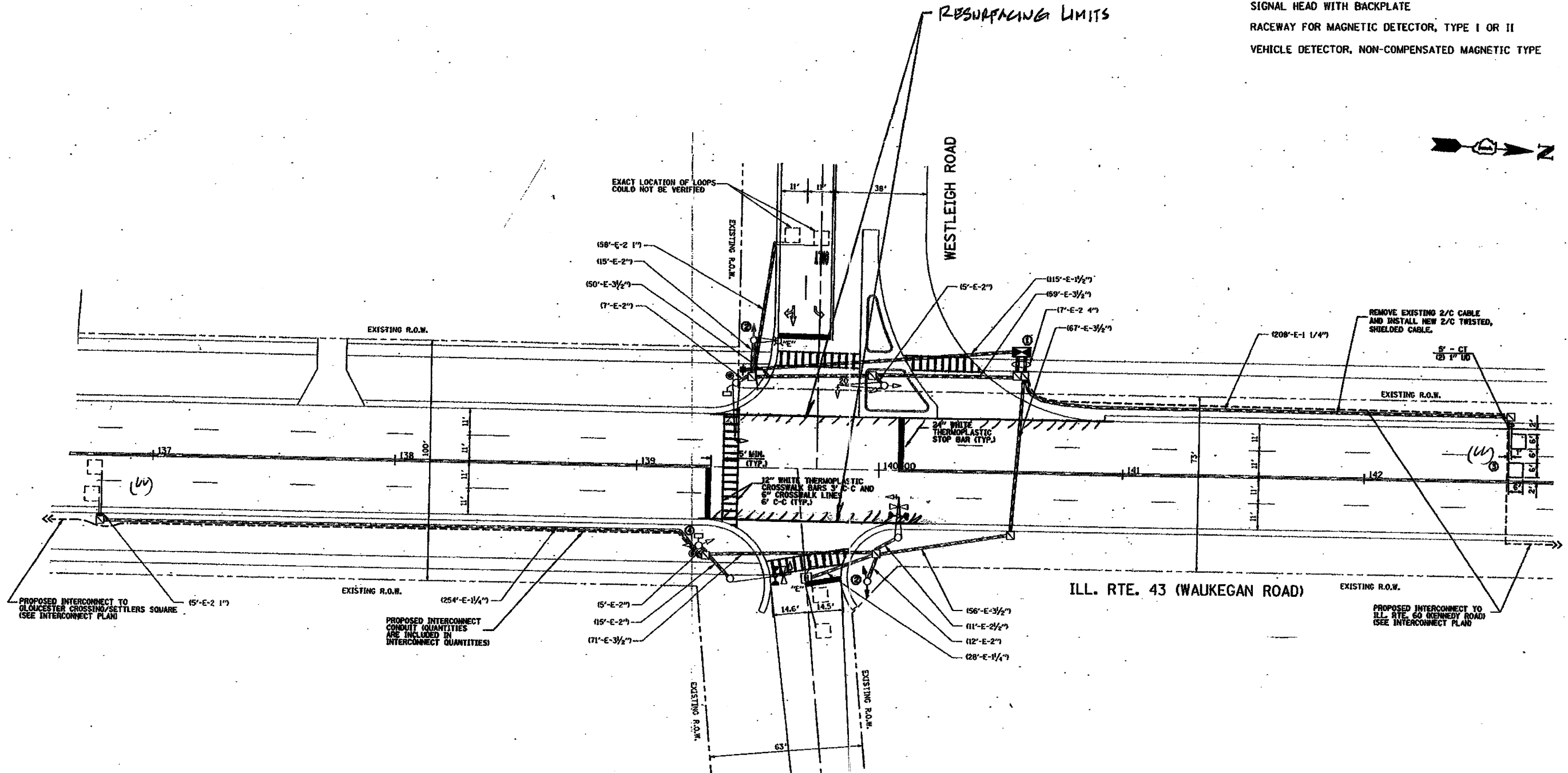
REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)

CODE	QUANTITY	UNIT	ITEM
86600600	822	FOOT	DETECTOR LOOP, REPLACEMENT

FILE NAME =	USER NAME = konthophx0bc	DESIGNED - BCK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE - DETECTOR LOOP REPLACEMENT ILL. ROUTE 43 @ GLOUCESTER CROSSING	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
or\p\work\PHIDOT\KANTHAPHIXAYBC\481126	tr\traffic.legend.v7.dgn	DRAWN - BCK	REVISED -			2760	BY-RS-2	LAKE	37	21
	PLOT SCALE = 3/8" = 1' IN.	CHECKED - DAD	REVISED -			60670		CONTRACT NO.		
	PLOT DATE = 4/3/2009	DATE -	REVISED -			SCALE: NONE		SHEET NO. OF SHEETS		STA. TO STA.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
DETECTOR LOOP		
SIGNAL HEAD		
G.S. CONDUIT IN TRENCH OR PUSHED		
SIGNAL HEAD WITH BACKPLATE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR II		
VEHICLE DETECTOR, NON-COMPENSATED MAGNETIC TYPE		



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

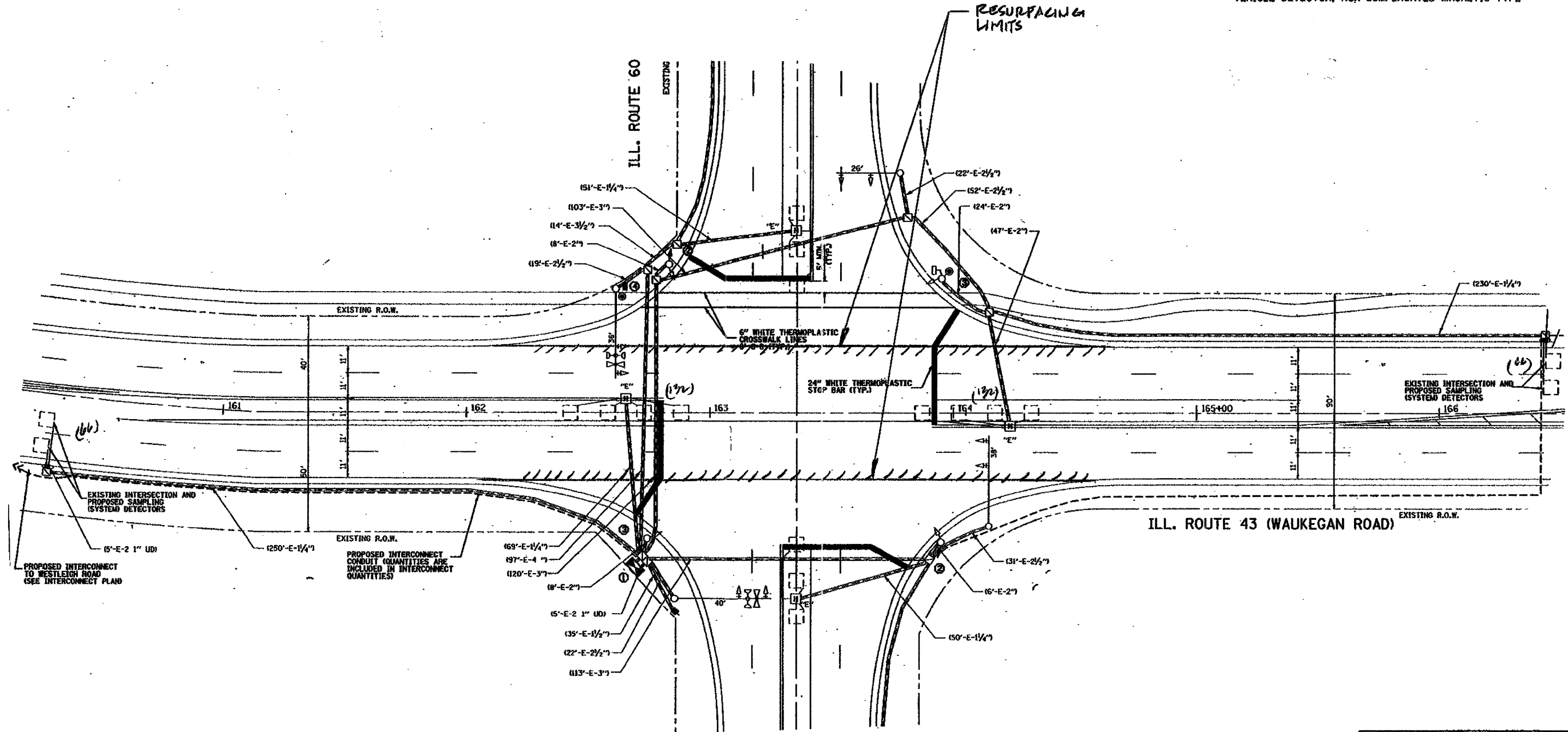
REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)

CODE	QUANTITY	UNIT	ITEM
86600600	132	FOOT	DETECTOR LOOP, REPLACEMENT

FILE NAME =	USER NAME = kanthaphsragbo	DESIGNED - BCK	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p align="center">DISTRICT ONE - DETECTOR LOOP REPLACEMENT <i>ILL. ROUTE 43 @ WESTLEIGH ROAD</i></p>	F.A.H. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
o:\pwork\PH1007\KANTHAPHIXATBC\081126	4\trafficsignlegend.v7.dgn	DRAWN - BCK	REVISED -			2760	BY-RS-2	LAKE	37	22
	PLOT SCALE = 3/4" = 1' IN.	CHECKED - DAD	REVISED -			60670				
	PLOT DATE = 4/3/2009	DATE	REVISED -							CONTRACT NO.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
DETECTOR LOOP		
SIGNAL HEAD		
G.S. CONDUIT IN TRENCH OR PUSHED		
SIGNAL HEAD WITH BACKPLATE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR II		
VEHICLE DETECTOR, NON-COMPENSATED MAGNETIC TYPE		



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

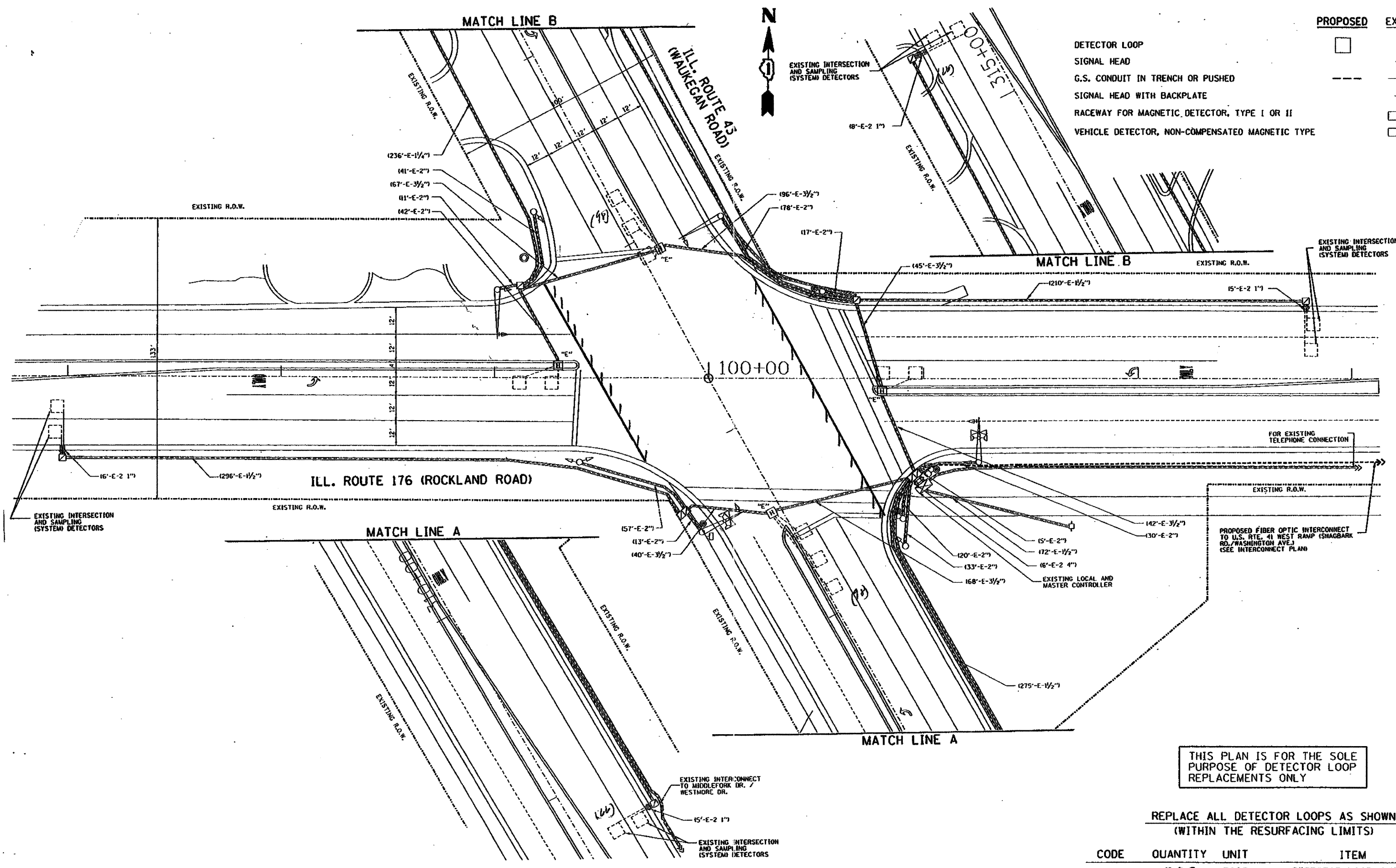
REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)

CODE	QUANTITY	UNIT	ITEM
86600600	396	FOOT	DETECTOR LOOP, REPLACEMENT

FILE NAME =	USER NAME = kenthphixogbc	DESIGNED - BCK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE - DETECTOR LOOP REPLACEMENT ILL. RTE. 43 @ ILL. RTE. 60	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
at\pwork\PHIDOT\KANTHPHIXAYBC\d81126	at\pwork\PHIDOT\KANTHPHIXAYBC\d81126	DRAWN - BCK	REVISED -			2760	BY-PS-2	LAKE	37	23
		CHECKED - DAD	REVISED -			ILLINOIS	60070			
		DATE	REVISED -			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
	PLOT DATE = 4/3/2001			SCALE: NONE	SHEET NO. OF SHEETS	STA. TO STA.				CONTRACT NO.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
DETECTOR LOOP		
SIGNAL HEAD		
G.S. CONDUIT IN TRENCH OR PUSHED		
SIGNAL HEAD WITH BACKPLATE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR II		
VEHICLE DETECTOR, NON-COMPENSATED MAGNETIC TYPE		



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

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

CODE	QUANTITY	UNIT	ITEM
86600600	328	FOOT	DETECTOR LOOP, REPLACEMENT

FILE NAME =	USER NAME = kanzthaphixaybc	DESIGNED - BCK	REVISED -
q:\work\VP\1007\KANTHAPHIXAYBC\01126	4\traffic.legend.v7.dgn	DRAWN - BCK	REVISED -
	PLOT SCALE = 3/4" = 1' IN.	CHECKED - DAD	REVISED -
	PLOT DATE = 4/3/2009	DATE -	REVISED -

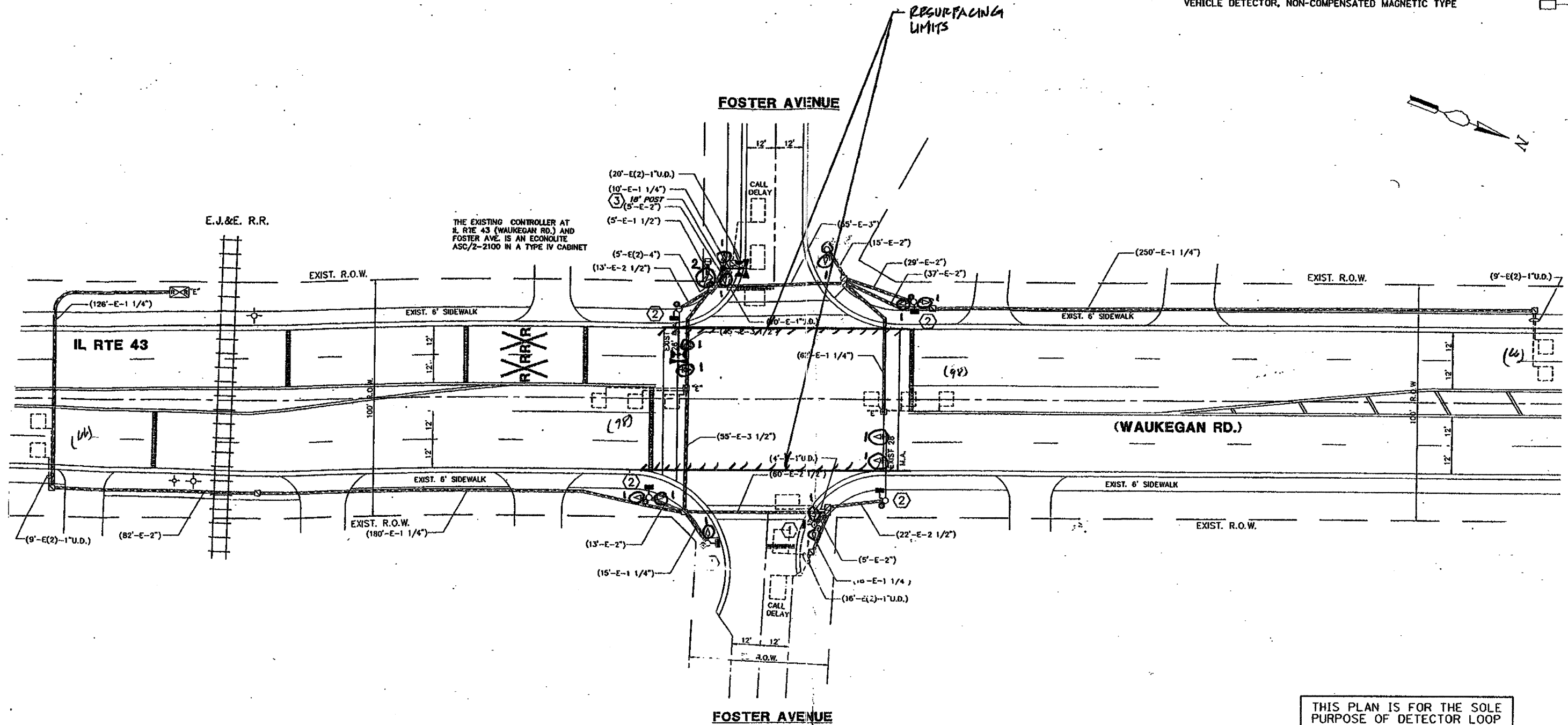
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE - DETECTOR LOOP REPLACEMENT
ILL. RTE. 43 @ ILL. RTE. 176

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2760	BY-RS-2	LAKE	37	24
SCALE: NONE		SHEET NO. OF SHEETS		STA. TO STA.
				CONTRACT NO.
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
DETECTOR LOOP		
SIGNAL HEAD		
G.S. CONDUIT IN TRENCH OR PUSHED		
SIGNAL HEAD WITH BACKPLATE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR II		
VEHICLE DETECTOR, NON-COMPENSATED MAGNETIC TYPE		



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

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

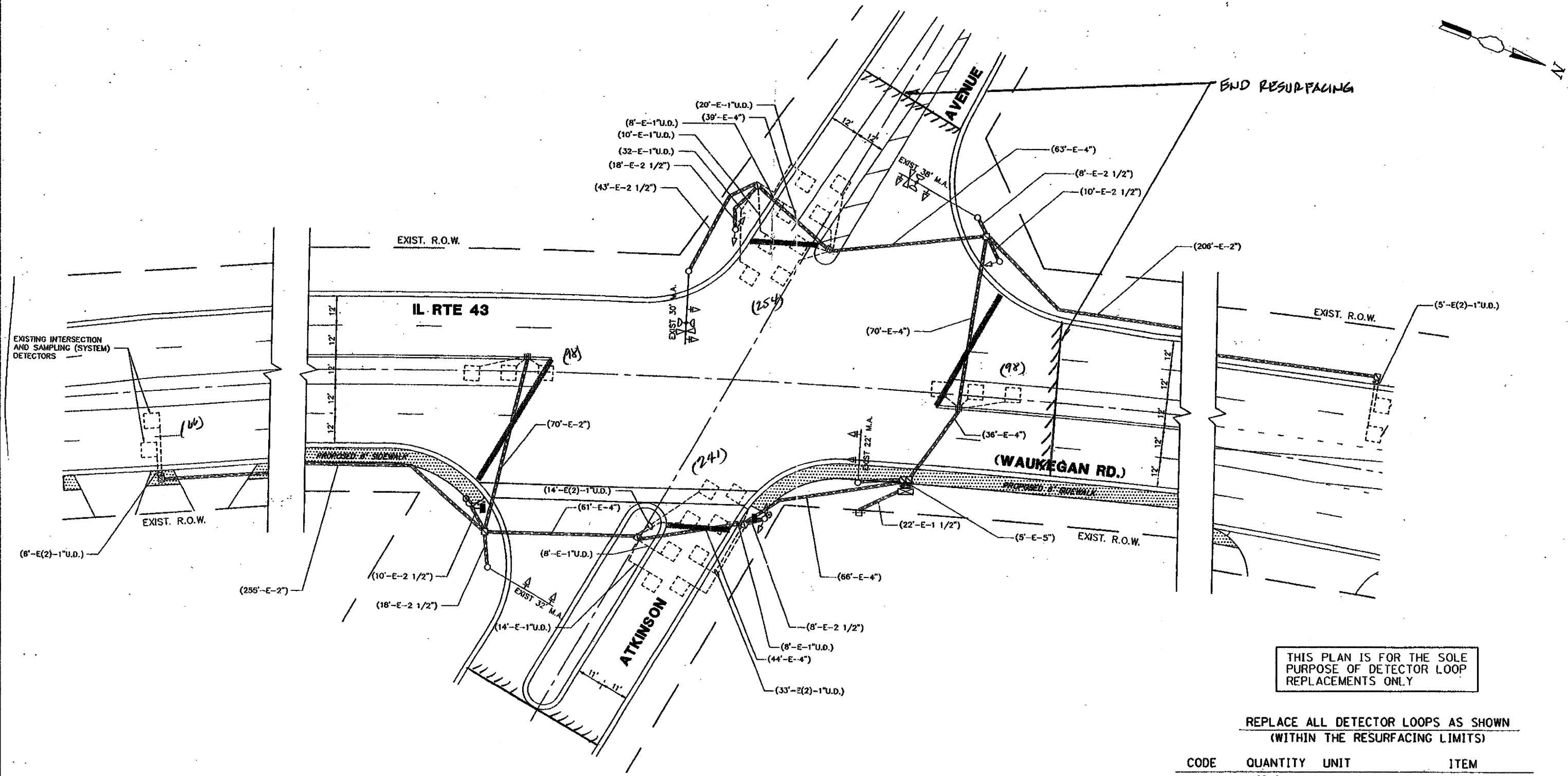
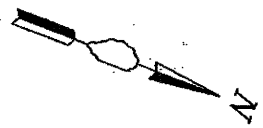
CODE	QUANTITY	UNIT	ITEM
86600600	308	FOOT	DETECTOR LOOP, REPLACEMENT

FILE NAME =	USER NAME = konthaphixaybo	DESIGNED - BCK	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">DISTRICT ONE - DETECTOR LOOP REPLACEMENT ILL. RTE. 43 @ FOSTER AVENUE</p>	F. ALL	SECTION	COUNTY	TOTAL	SHEET
or:\work\PM1001\KANTHAPHIXAYBC\081126	offic.legend.v7.dgn	DRAWN - BCK	REVISED -		RTE.	BY-RS-P	LAKE	SHEETS	NO.
	PLOT SCALE = 3/4" = 1'	CHECKED - DAD	REVISED -		2700	00070		37	25
	PLOT DATE = 4/3/2009	DATE	REVISED -						

SCALE: NONE SHEET NO. OF SHEETS STA. TO STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
DETECTOR LOOP		
SIGNAL HEAD		
G.S. CONDUIT IN TRENCH OR PUSHED		
SIGNAL HEAD WITH BACKPLATE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR II		
VEHICLE DETECTOR, NON-COMPENSATED MAGNETIC TYPE		



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

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

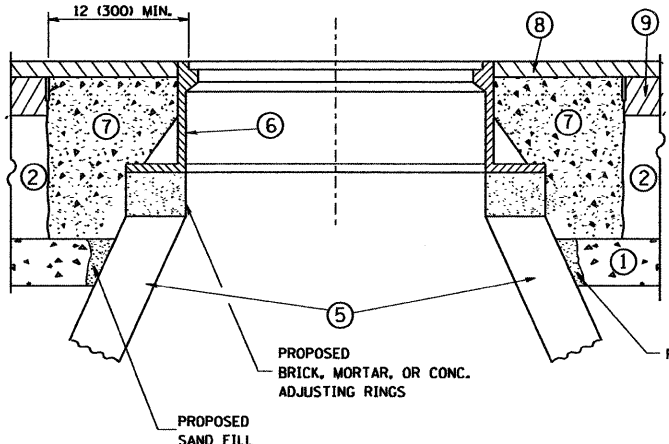
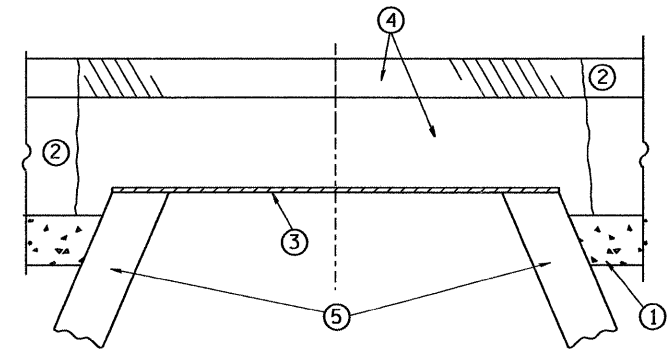
CODE	QUANTITY	UNIT	ITEM
86600600	757	FOOT	DETECTOR LOOP, REPLACEMENT

FILE NAME =	USER NAME = kenthphixeybc	DESIGNED - BCK	REVISED -
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	PLOT SCALE = 3/8" = 1' IN.	CHECKED - DAD	REVISED -
	PLOT DATE = 4/2/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE - DETECTOR LOOP REPLACEMENT
ILL. ROUTE 43 @ ATKINSON RD.

F.A.M. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2700	BY-RS-2	LAKE	37	26
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
SCALE: NONE		SHEET NO. OF SHEETS STA. TO STA.		



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

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

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

LEGEND

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

NOTES:

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

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

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

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

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

LOCATION OF STRUCTURES:

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

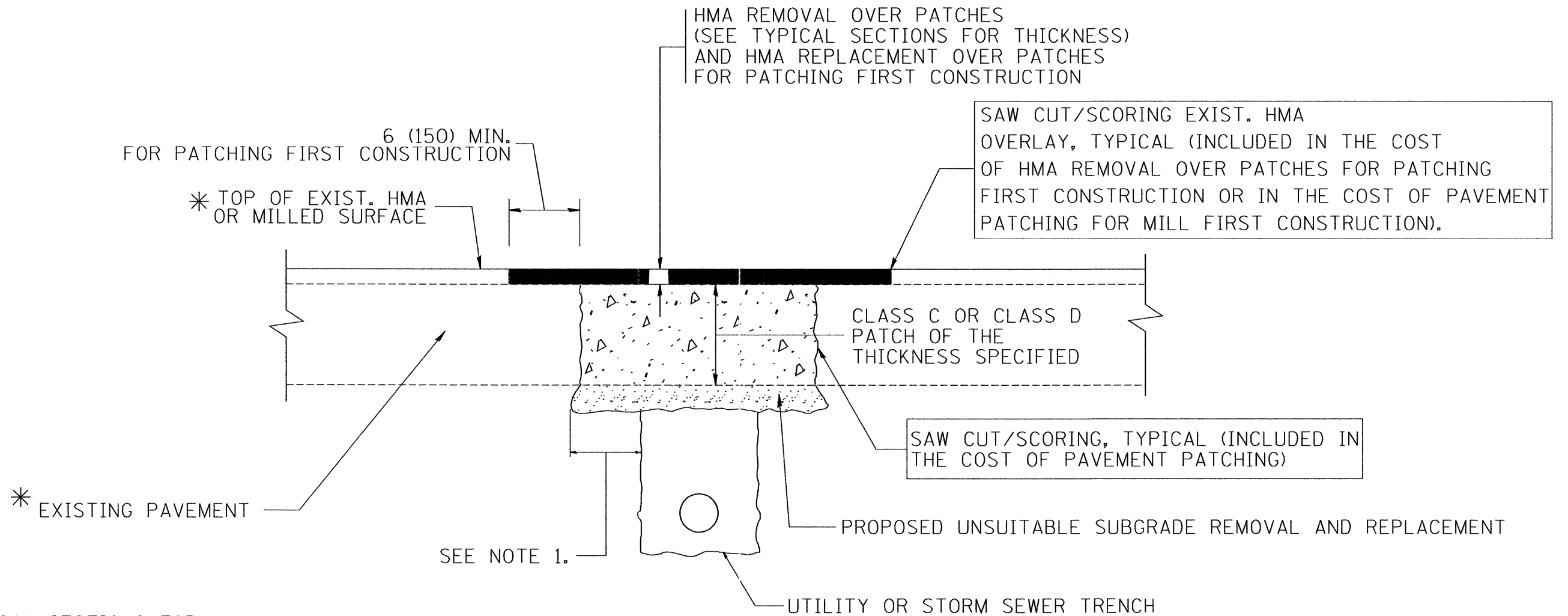
BASIS OF PAYMENT: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL"

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME = W:\diststd\22x34\bd00.dgn	USER NAME = gaglianobt	DESIGNED - R. SHAH	REVISED - R. SHAH 03-10-95	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING		F.A.L. RTE. 2706	SECTION BY-RS-2	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 27
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - A. ABBAS 03-21-97		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	BD600-03 (BD-8)		CONTRACT NO. 60G70	
	PLOT DATE = 1/4/2008	DATE - 10-25-94	REVISED - R. WIEDEMAN 05-14-04					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			
			REVISED - R. BORO 01-01-07								



* 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 = c:\projects\dist\td22x34\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.U. RTE. 2706	SECTION BY-RS-2	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 28
PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - R. BORO 01-01-07	REVISED - R. BORO 09-04-07		SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA.	TO STA.	BD400-04 (BD-22)		
PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08			CONTRACT NO.							
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT												

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

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

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

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

18" (450) MAX.

1/4" (5) **

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE OR GROUND.

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

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

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

3" (75) MIN.

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.

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).

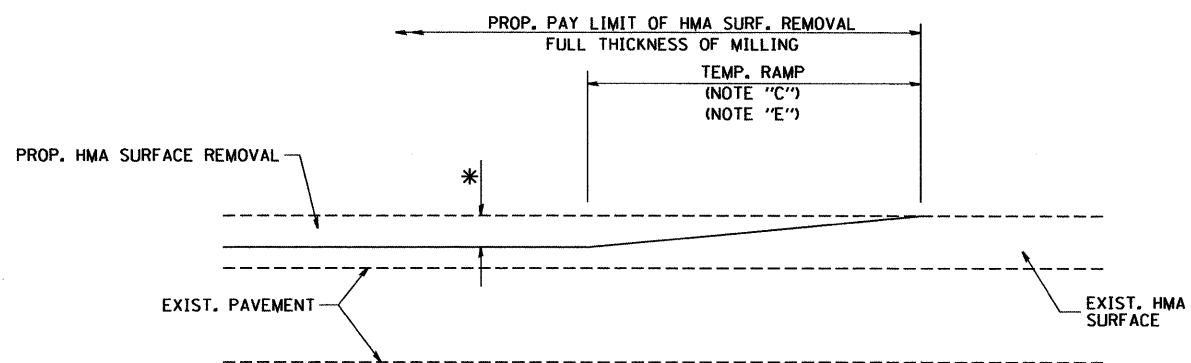
BASIS OF PAYMENT:

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

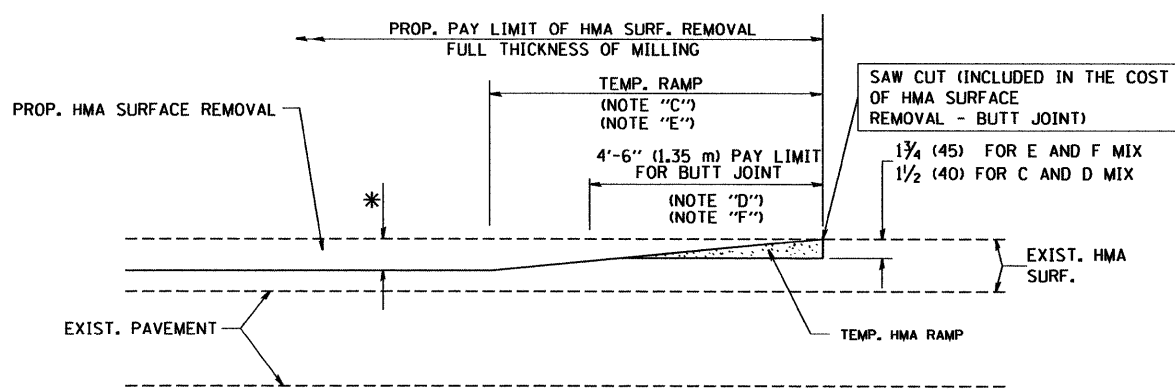
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01		SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA.	TO STA.	BD600-06 (BD-24) CONTRACT NO.		
	PLOT DATE = 1/4/2008	DATE - 03-11-94	REVISED - R. BORO 01-01-07		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



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

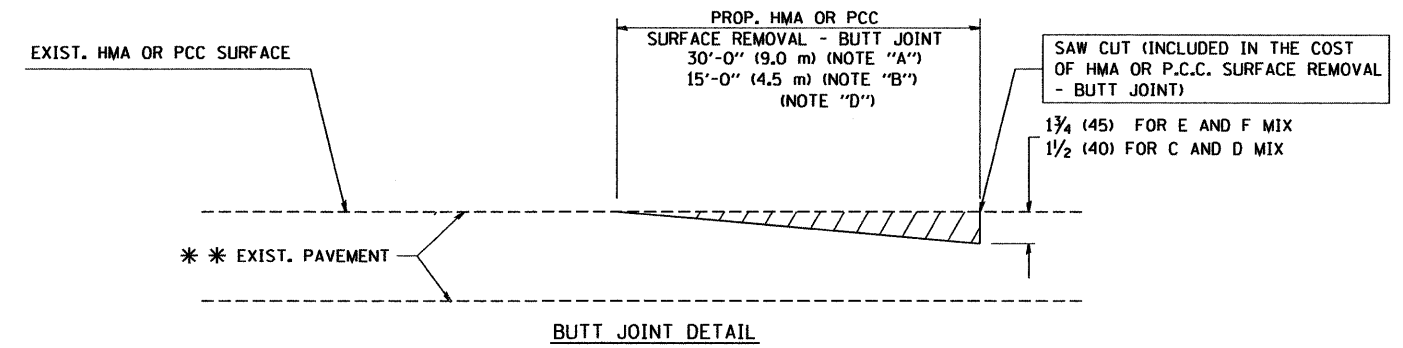
OPTION 1



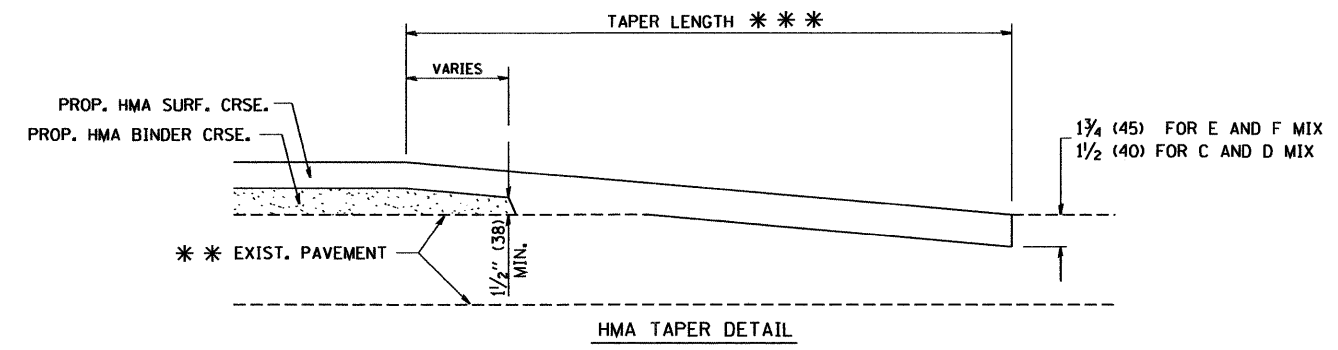
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

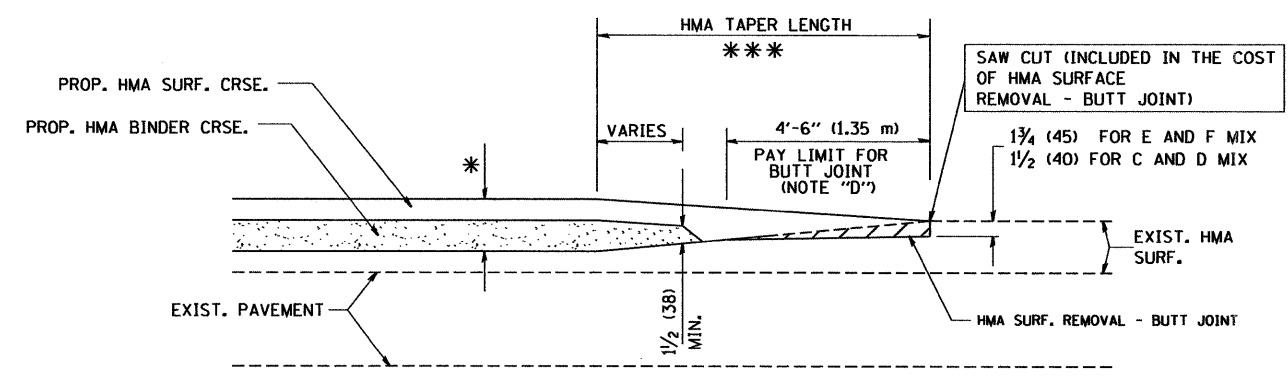
NOTES

- 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.



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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USER NAME = gegianobt

DESIGNED - M. DE YONG
DRAWN -
PLOT SCALE = 50,0000' / IN.
PLOT DATE = 1/4/2008

REVISOR - R. SHAH 10-25-94
REVISOR - A. ABBAS 03-21-97
REVISOR - M. GOMEZ 04-06-01
REVISOR - R. BORO 01-01-07

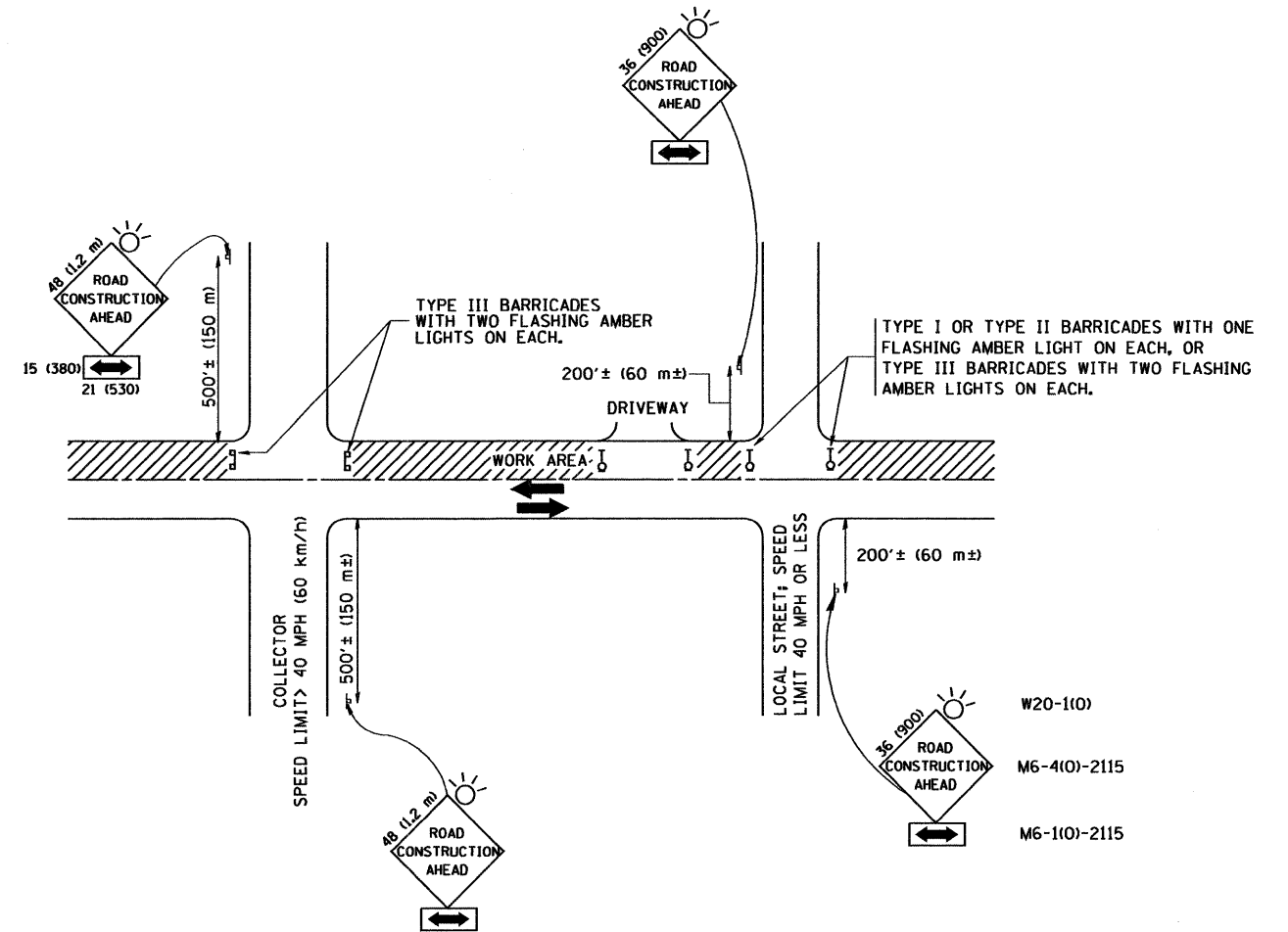
DATE - 06-13-90

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.J. RTE. 2706	SECTION BY-RS-2	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 30
BD400-05 BD32			CONTRACT NO.	
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

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. 70150), 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.

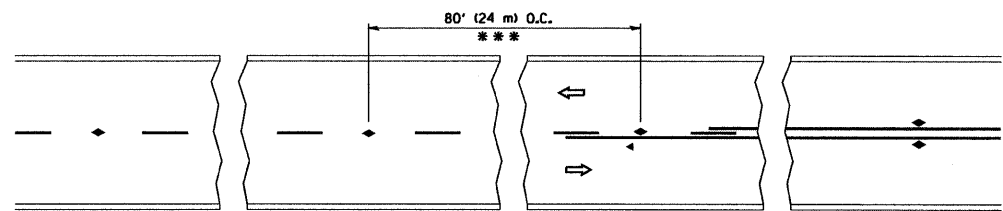
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W:\dststd\22x34\tc10.dgn		DRAWN -	REVISED - A. HOUSEH 03-06-96
		CHECKED -	REVISED - A. HOUSEH 10-15-96
		DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

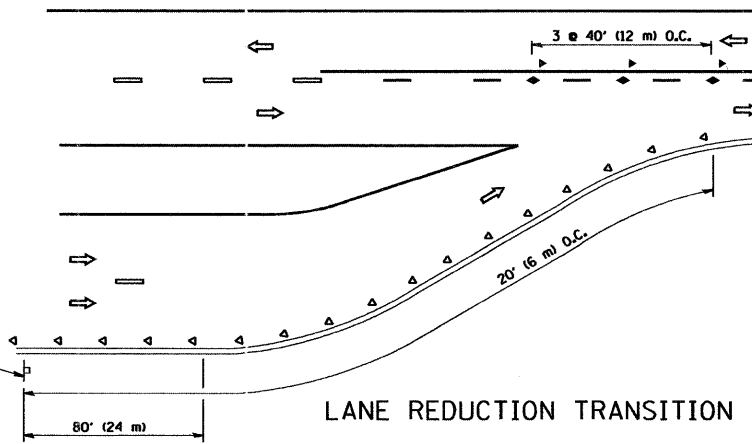
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706	BY-RS-2	LAKE	37	31
TC-10			CONTRACT NO.	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

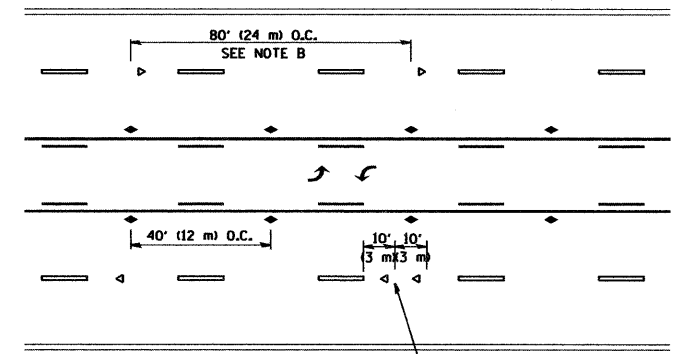


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

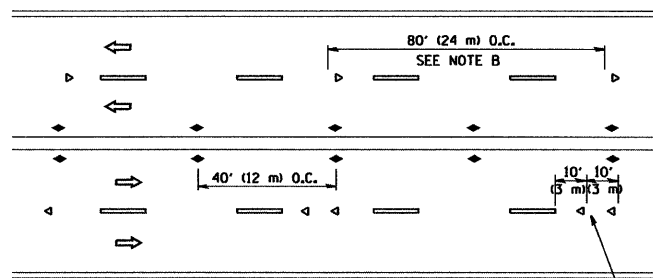
TWO-LANE/TWO-WAY



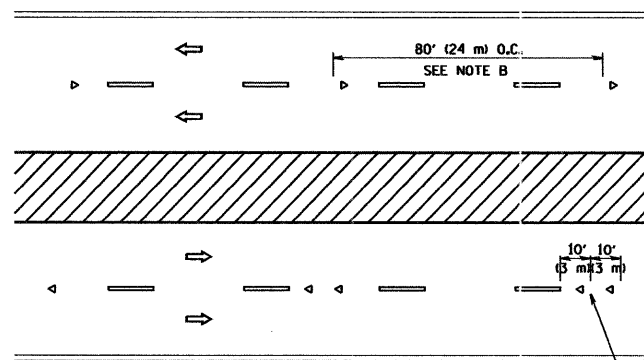
LANE REDUCTION TRANSITION



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

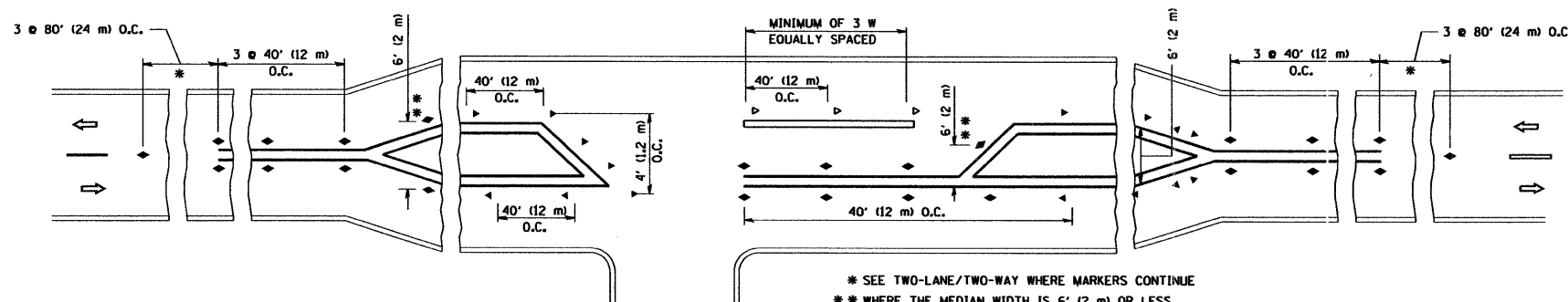
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- 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.
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

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.

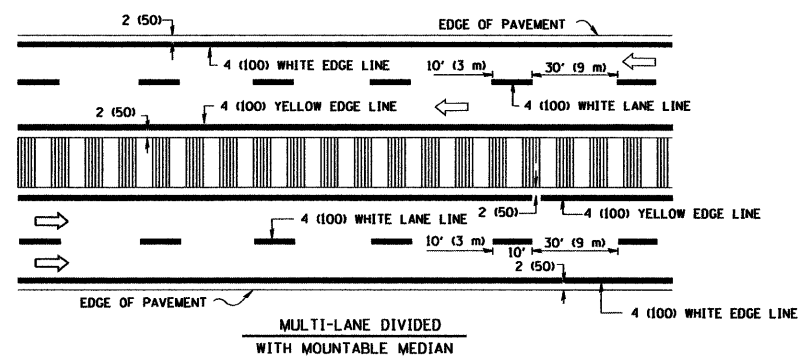
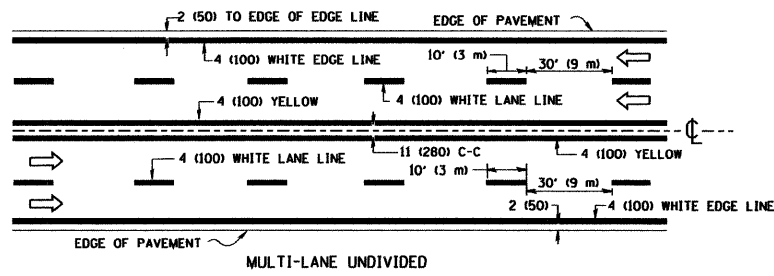
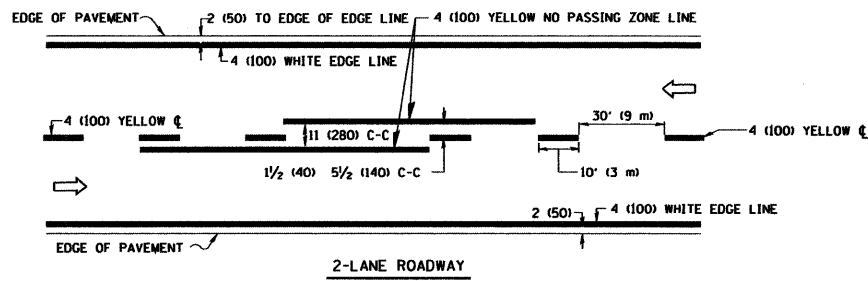


LEFT TURN

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

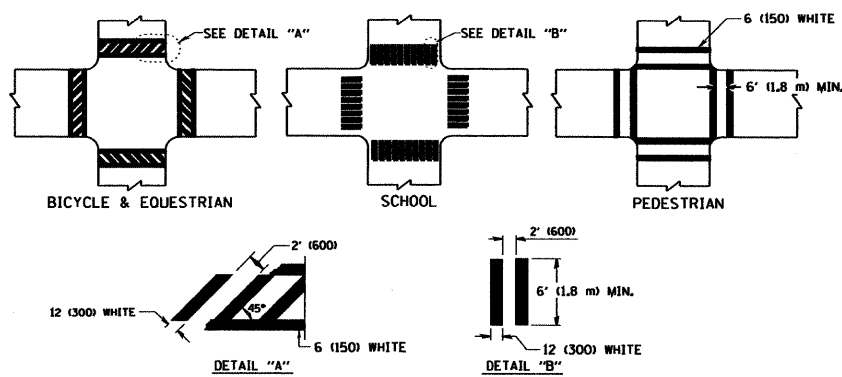
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME = W:\diststd\22x34\tol1.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			F.A.U. RTE. 2706	SECTION BY-RS-2	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 32
	PLOT SCALE = 50,000' / IN.	DRAWN -	REVISED - T. RAMMACHER 03-12-99		SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA.	TO STA.	TC-11		
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - T. RAMMACHER 01-06-00							CONTRACT NO.		
		DATE -	REVISED -							FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		

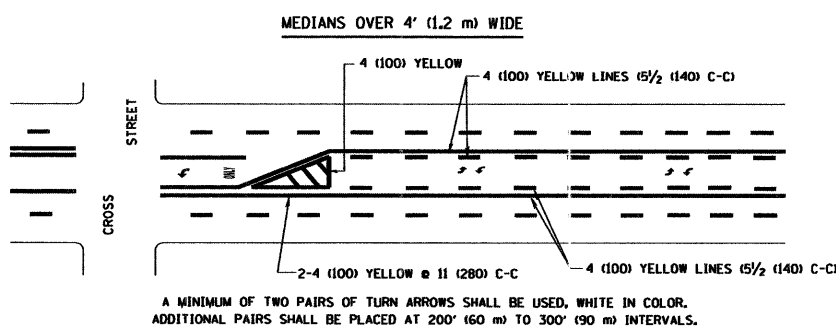
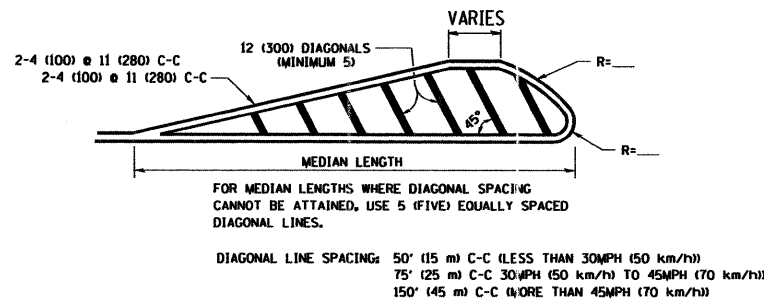
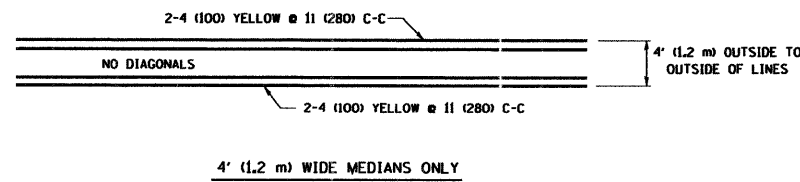


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

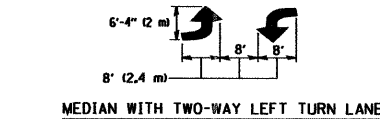
TYPICAL LANE AND EDGE LINE MARKING



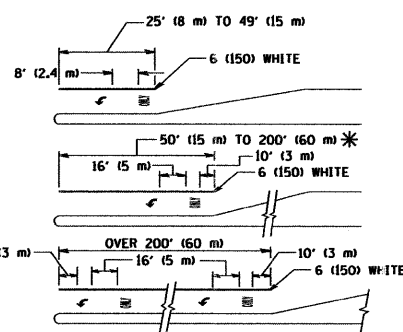
TYPICAL CROSSWALK MARKING



TYPICAL PAINTED MEDIAN MARKING



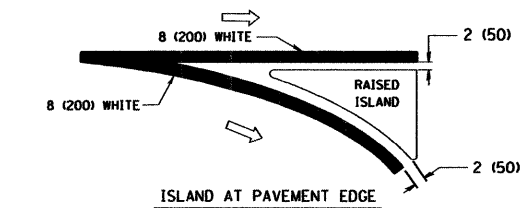
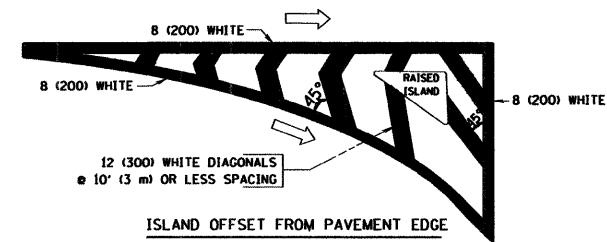
MEDIAN WITH TWO-WAY LEFT TURN LANE



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



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	4 (100)	SOLID	YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE
NO PASSING ZONE LINES FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	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	SKIP-DASH AND SOLID	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4m) LEFT ARROW	IN PAIRS	WHITE	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" 15' (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.

FILE NAME = W:\dststd\22x34\to13.dgn

USER NAME = gaglianobt
 PLOT SCALE = 50,000' / IN.
 PLOT DATE = 1/4/2008

DESIGNED - EVERS
 DRAWN -
 CHECKED -
 DATE - 03-19-90

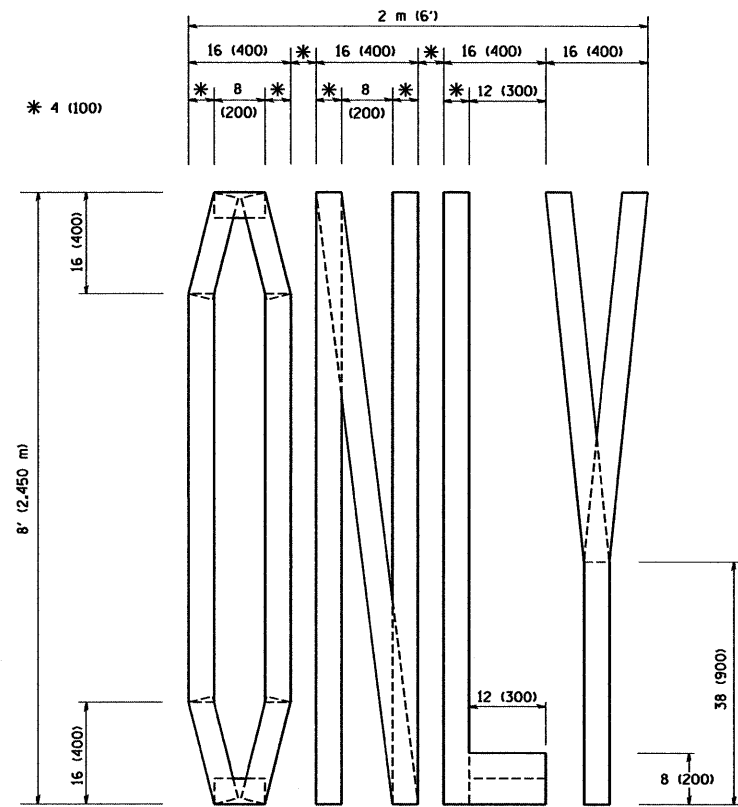
REVISED - T. RAMMACHER 10-27-94
 REVISED - A. HOUSEH 10-09-96
 REVISED - A. HOUSEH 10-17-96
 REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

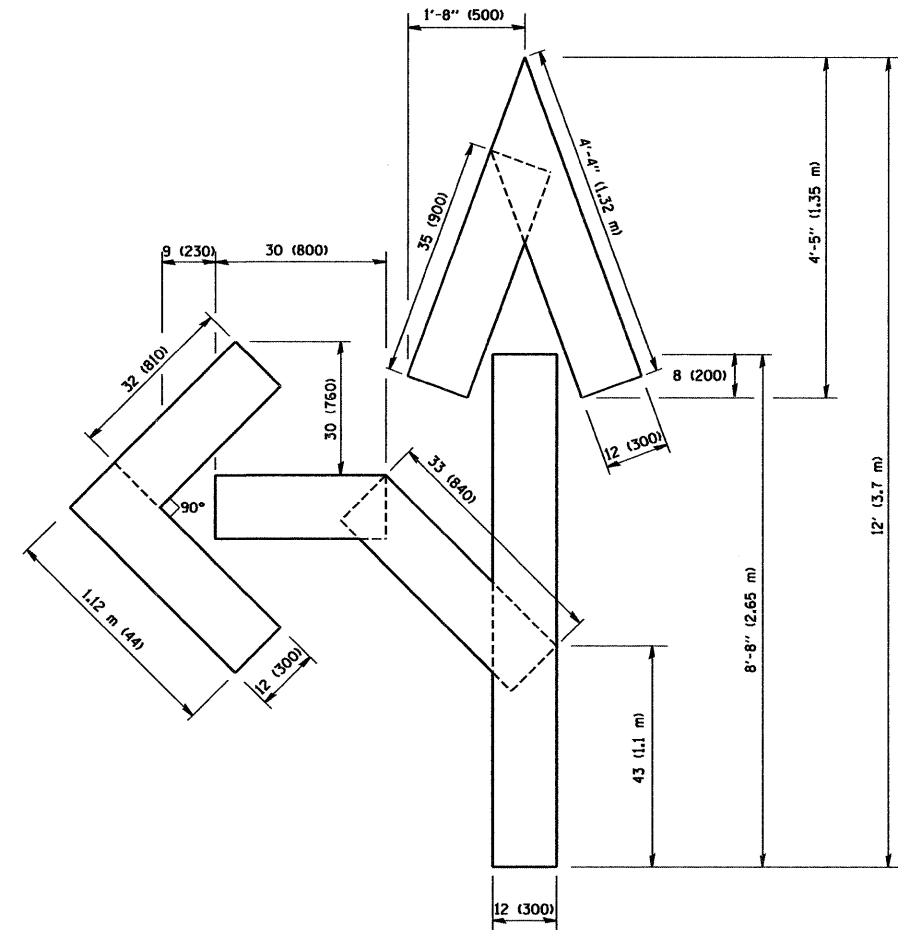
DISTRICT ONE TYPICAL PAVEMENT MARKINGS

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

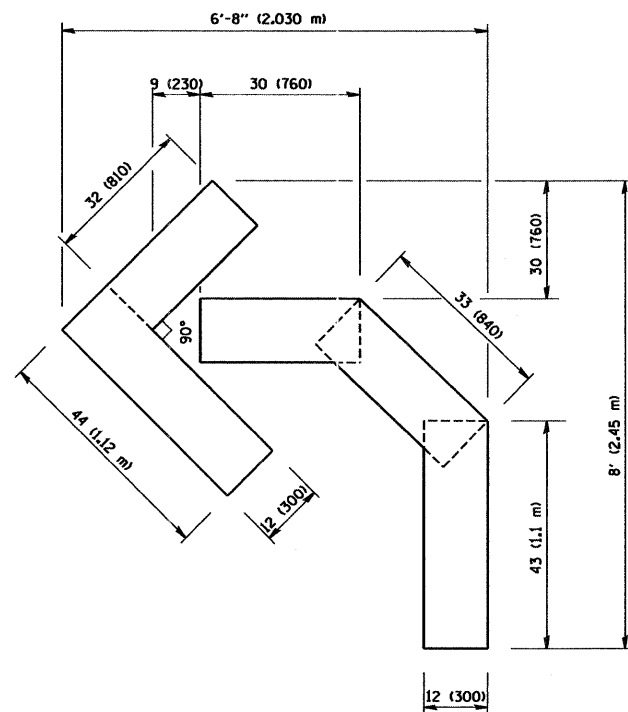
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2708	BY-RS-2	LAKE	37	33
TC-13			CONTRACT NO.	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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.

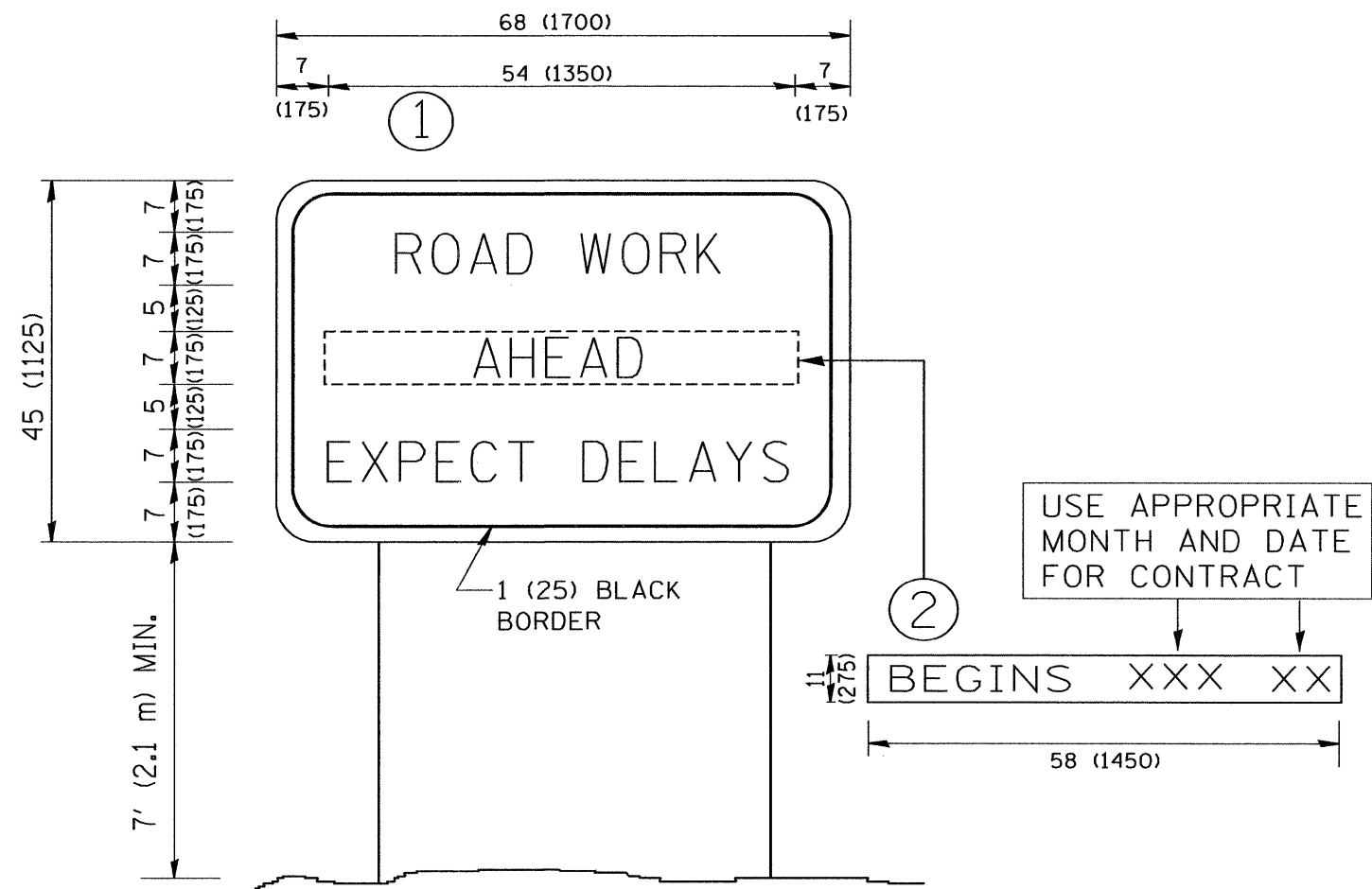
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		DRAWN -	REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

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.U. RTE. 2706	SECTION BY-RS-2	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 34
TC-16		CONTRACT NO.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



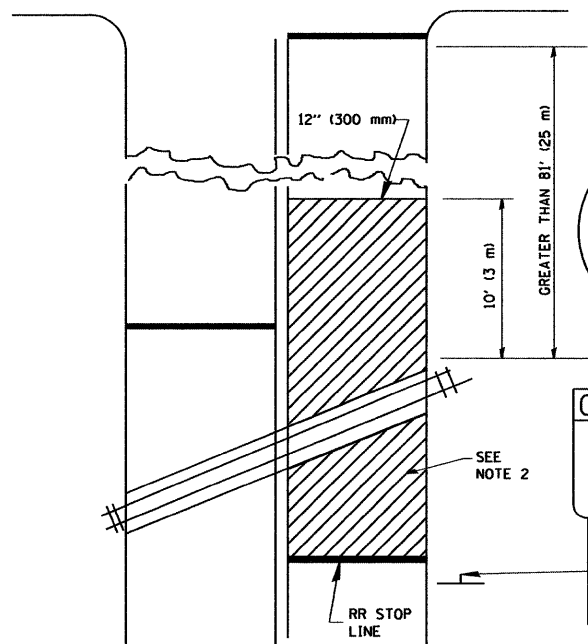
NOTES:

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.

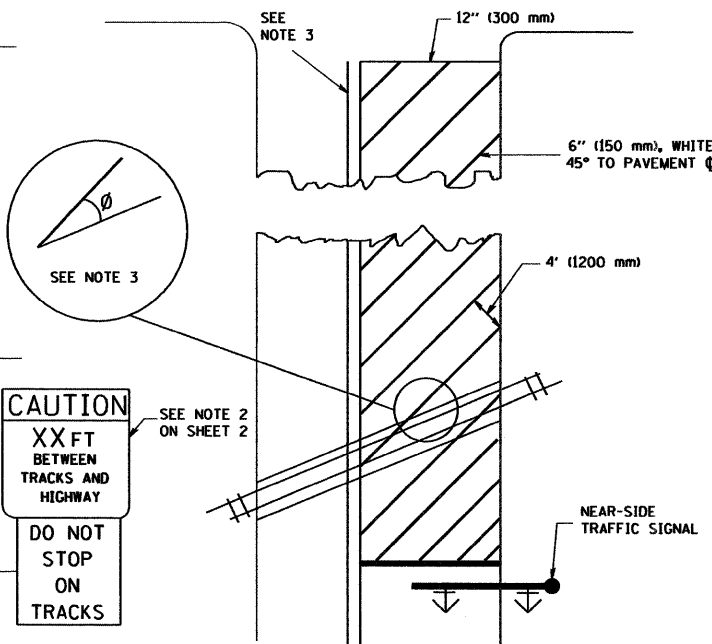
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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	PLOT SCALE = 50.000' / IN.	DRAWN -	REVISED - R. MIRS 12-11-97		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	TC-22		CONTRACT NO.	
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - T. RAMMACHER 02-02-99		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
		DATE -	REVISED - C. JUCIUS 01-31-07									

WITH INTERSECTION TRAFFIC SIGNALS

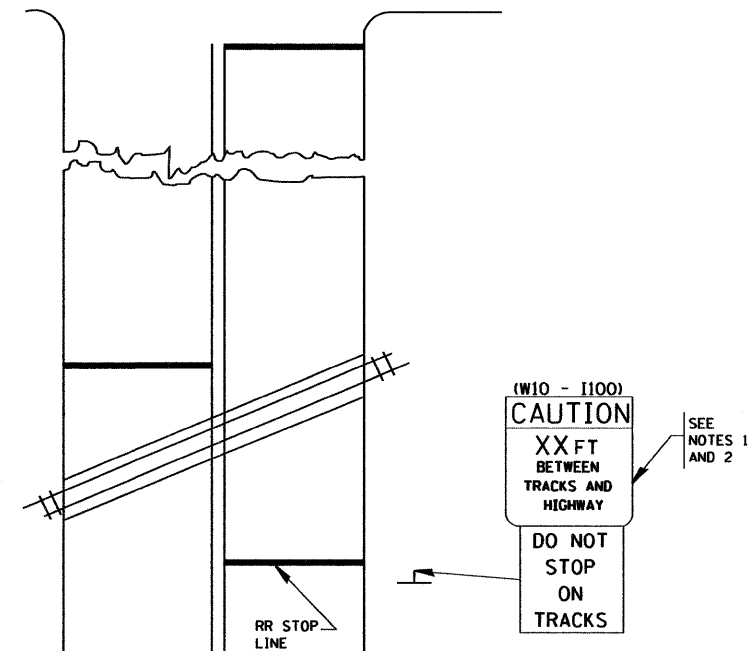


WITH NEAR-SIDE TRAFFIC SIGNALS



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.

FILE NAME = W:\d\stsd\22x34\to23.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - 01-01-07
		DRAWN -	REVISED -
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/4/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

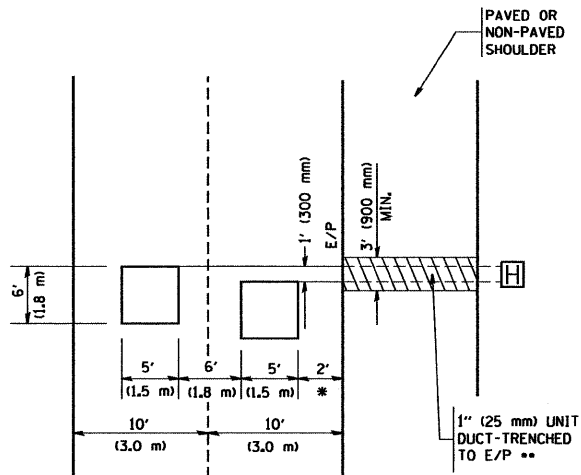
TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING
TREATMENT FOR RAILROAD CROSSINGS

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

F.A.L.L. RTE. 2706	SECTION BY-RS-2	COUNTY LAKE	TOTAL SHEETS 37	SHEET NO. 36
TC-23			CONTRACT NO.	
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.

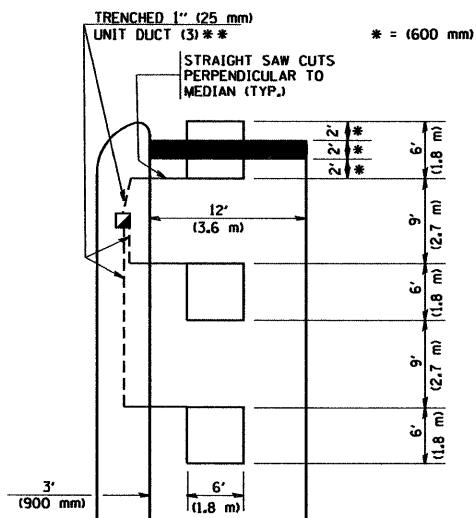


* = (600 mm)

** 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)**

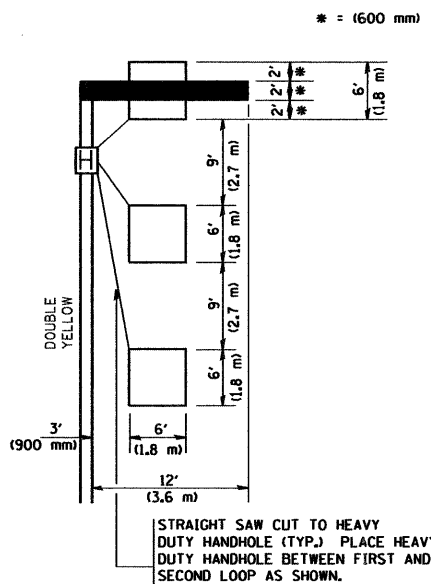
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD B14001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



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

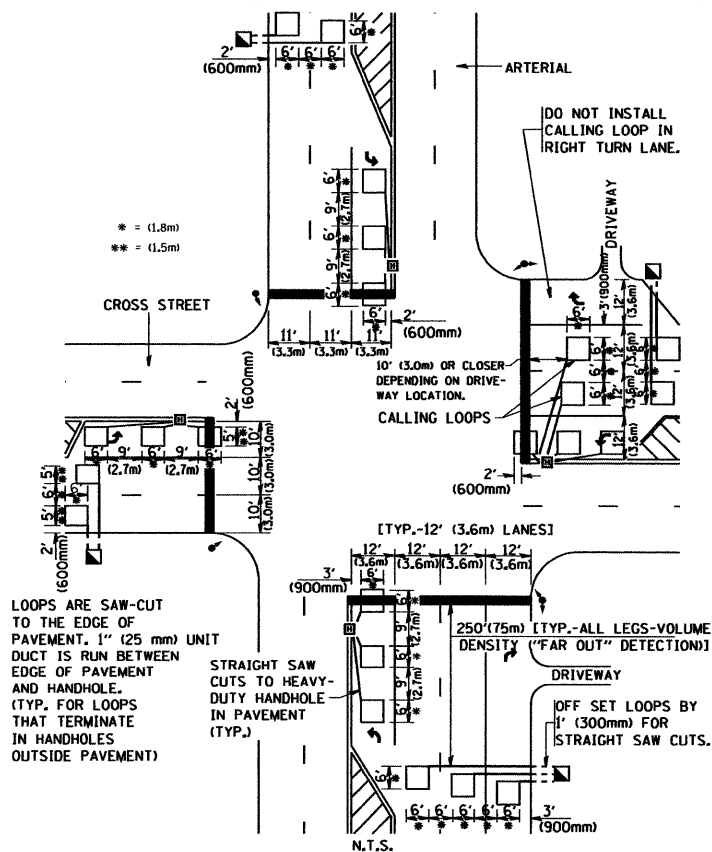
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



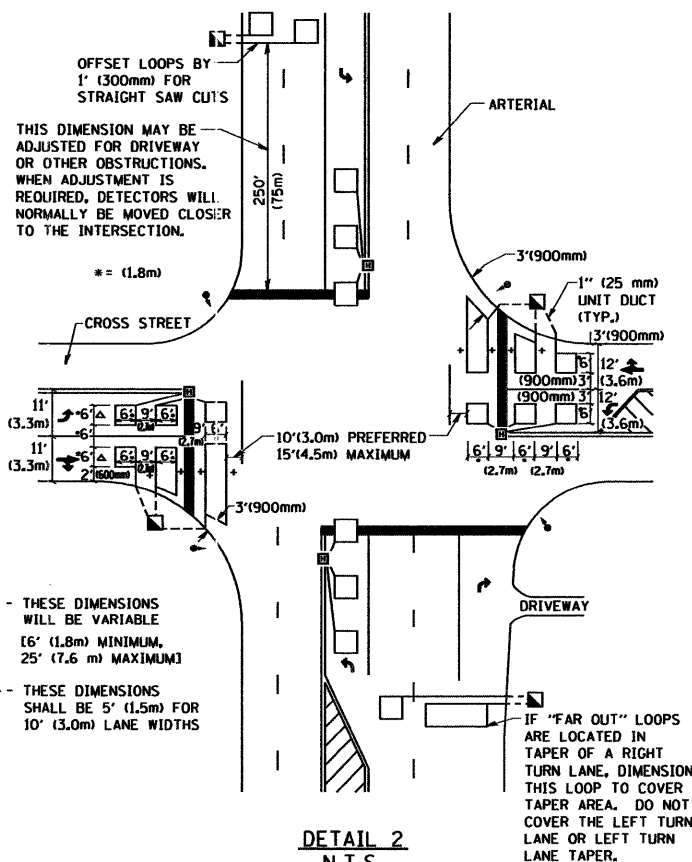
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



DETAIL 1
N.T.S.

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



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

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

PLACEMENT OF DETECTORS

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

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

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

NOTE:

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

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

FILE NAME = W:\diststd\22x34\ts07.dgn

USER NAME = goglionobt
PLOT SCALE = 50.0000' / IN.
PLOT DATE = 1/4/2008

DESIGNED -
DRAWN -
CHECKED - R.K.F.
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2706	BY-RS-2	LAKE	37	37
TS-07			CONTRACT NO. 60G70	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				