F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536 RS-3	WILL	32	1
FED. ROAD DIST. NO. 1	ILLINOIS	CONTRACT NO. 60G05		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

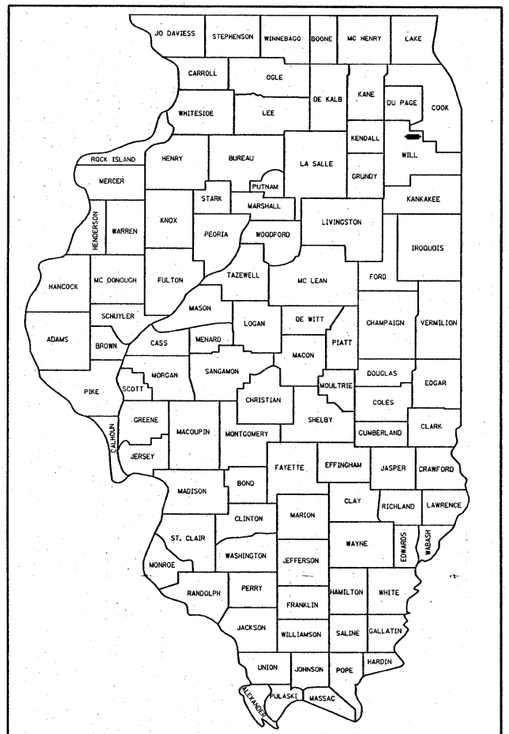
PROPOSED HIGHWAY PLANS

FAP 351: ILLINOIS 7 (159TH STREET)
I–355 TO WILL–COOK ROAD
SECTION: 536 RS–3
RESURFACING (MAINTENANCE)
PROJECT NO.: ESP-0351(019)
WILL COUNTY
C–91–319–09

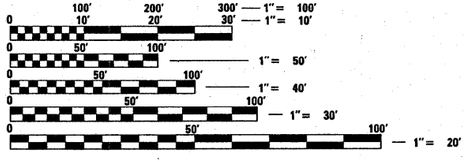
FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT IS LOCATED IN THE VILLAGE OF HOMER GLEN

D–91–319–09



LOCATION OF SECTION INDICATED THUS: –



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

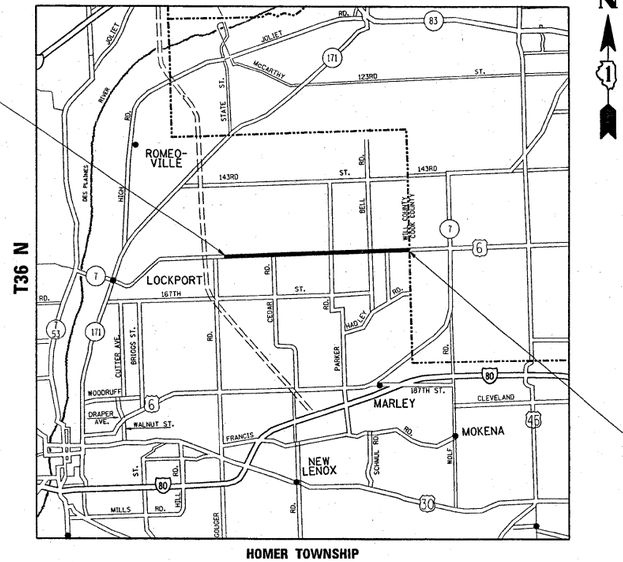
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1–800–892–0123 (OR 811)

PROJECT ENGINEER: JENPAI P. CHANG (847) 705 – 4432
PROJECT MANAGER: KEN ENG

CONTRACT NO. 60G05

R 11 E

PROJECT BEGINS STATION 24+81



HOMER TOWNSHIP

PROJECT ENDS STATION 277+02

GROSS AND NET LENGTH OF PROJECT = 25,221.00 FEET = 4.78 MILES

TRAFFIC DATA

2007 ADT = 18,500
SPEED LIMIT = 45 MPH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED February 3, 2009
Diane M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
March 27, 2009
Charles J. Ingersoll
ENGINEER OF DESIGN AND ENVIRONMENT
March 27, 2009
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4-7	EXISTING AND PROPOSED TYPICAL SECTIONS
8-17	EXISTING AND PROPOSED ROADWAY AND PAVEMENT MARKING PLANS
18-22	DETECTOR LOOP REPLACEMENT PLANS
23	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
25	BUTT JOINT AND HMA TAPER DETAILS
26	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
27	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
28	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
29	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
30	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
31	ARTERIAL ROAD INFORMATION SIGN
32	DISTRICT ONE DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

LIST OF STATE STANDARDS:

STANDARD NO.	DESCRIPTION
000001-05	TYPICAL SYMBOLS, ABBREVIATIONS, AND PATTERNS
442201-03	CLASS C AND D PATCHES
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701011-02	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-03	LANE CLOSURE, 2L, 2W, DAY ONLY FOR SPEED > 45 MPH
701306-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY FOR SPEED > 45 MPH
701501-05	URBAN LANE CLOSURE 2L, 2W, UNDIVIDED
701901-01	TRAFFIC CONTROL DEVICES
886001-01	DETECTOR LOOP INSTALLLATION
886006-01	TYPICAL LAYOUTS FOR DETECTOR 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 HOURS NOTIFICATION IS REQUIRED).

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF HOMER GLEN.

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

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

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

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT). IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS UNLESS OTHERWISE SPECIFIED.

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 45 MPH WITH WRITTEN APPROVAL FROM THE RESIDENT ENGINEER. A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1:3 (V:H)

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

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

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

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 351: IL 7 (159TH STREET)
INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536 RS-3	WILL	32	2
		CONTRACT NO. 60C05		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536 RS-3	WILL	32	3
FED. ROAD DIST. NO. 1	ILLINOIS	HIGHWAY PROJECT		

D-91-319-09

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	URBAN 100% FED. TOTAL QUANTITIES	CONSTRUCTION TYPE CODE I000-2A					
20201006	GRADING AND SHAPING SHOULDERS	UNIT	416	416					
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	39	39					
40600300	AGGREGATE (PRIME COAT)	TON	194	194					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	29	29					
40600895	CONSTRUCTING TEST STRIP	EACH	2	2					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	270	270					
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	8368	8368					
42001300	PROTECTIVE COAT	SQ YD	89	89					
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	96725	96725					
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	400	400					
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	1935	1935					
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	1693	1693					
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	1209	1209					
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	832	832					
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					
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1					
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	2	2					
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	8212	8212					
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1268.8	1268.8					
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	86507	86507					
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	3987	3987					
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	350	350					

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	URBAN 100% FED. TOTAL QUANTITIES	CONSTRUCTION TYPE CODE I000-2A					
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	988	988					
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	398	398					
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	36853	36853					
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1268.8	1268.8					
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	86507	86507					
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	3987	3987					
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	350	350					
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	988	988					
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	398	398					
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	734	734					
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	660	660					
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	3009	3009					
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	282.7	282.7					
X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	4035	4035					
⊙ Z0076600	TRAINEES	HOUR	4000	4000					

* SPECIALITY ITEMS
⊙ Y080

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS 7 (159TH STREET)
I-355 TO WILL-COOK ROAD
SUMMARY OF QUANTITIES

PLOT DATE: 2/10/2009

2/10/2009
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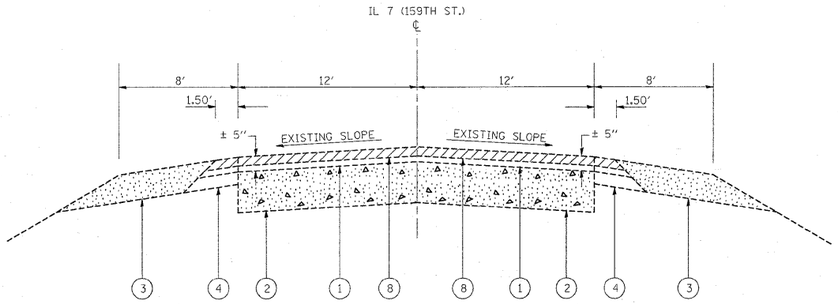
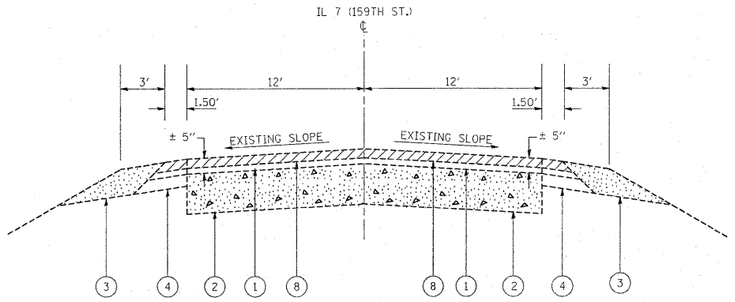


EXISTING TYPICAL SECTION
STATION 24+81 TO STATION 83+43



EXISTING TYPICAL SECTION
STATION 100+86 TO STATION 214+12
STATION 228+07 TO STATION 255+75

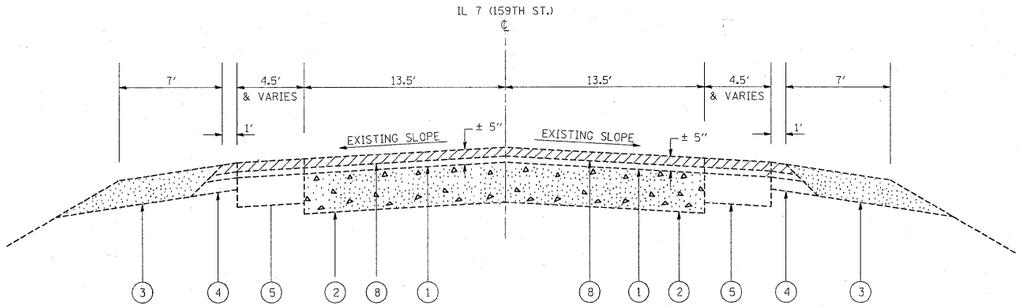
LEGEND

1. EXISTING HMA SURFACING, ± 5″
2. EXISTING PCC PAVEMENT, ±9″
3. EXISTING AGGREGATE SHOULDER, TYPE B
4. EXISTING HMA SHOULDER
5. EXISTING HMA WIDENING, ±10″
6. EXISTING COMBINATION CONCRETE CURB & GUTTER
7. PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
8. PROPOSED HMA SURFACE REMOVAL, 2-1/4″
9. PROPOSED POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4″
10. PROPOSED HMA SURFACE COURSE, MIX "D", N70, 1-1/2″
11. PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
12. PROPOSED GRADING AND SHAPING SHOULDERS

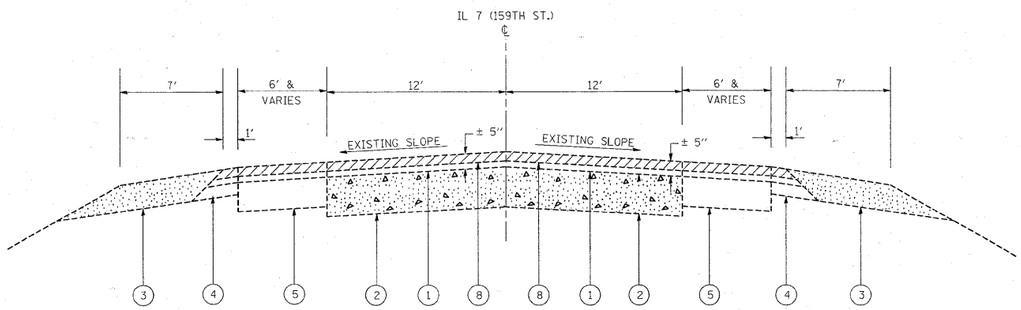
* LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER

NOTE:

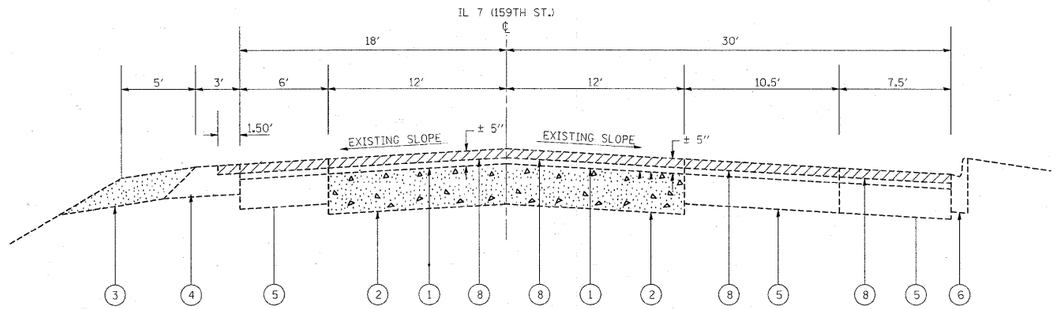
"THE ENGINEER SHALL MILL FIRST PRIOR TO PATCHING".



EXISTING TYPICAL SECTION
STATION 83+43 TO STATION 93+86



EXISTING TYPICAL SECTION
STATION 93+86 TO STATION 100+86



EXISTING TYPICAL SECTION
STATION 217+12 TO STATION 218+18

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS 7 (159TH STREET)
EXISTING & PROPOSED TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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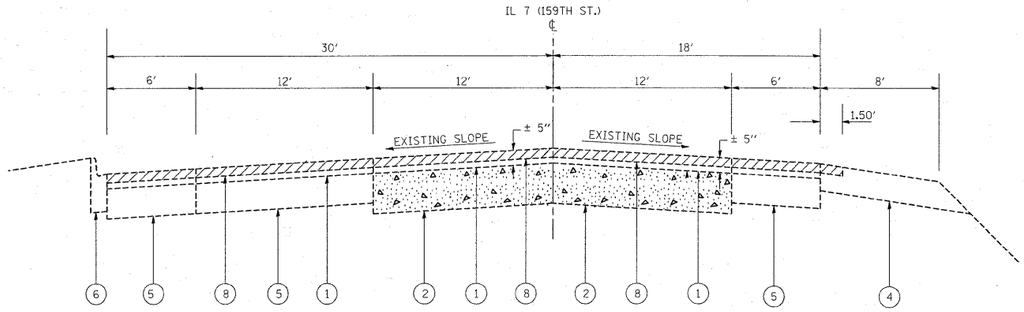
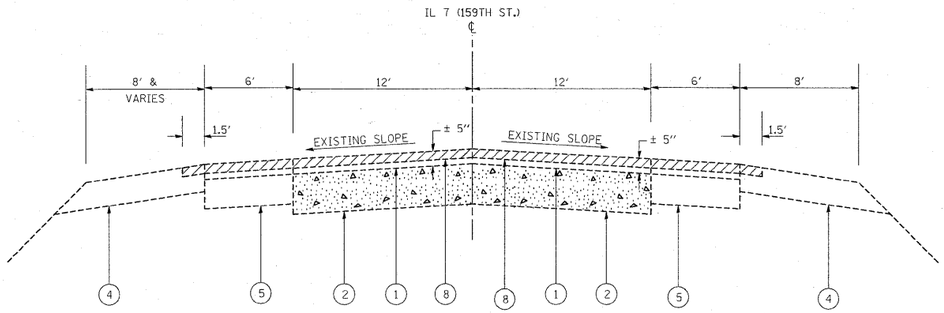
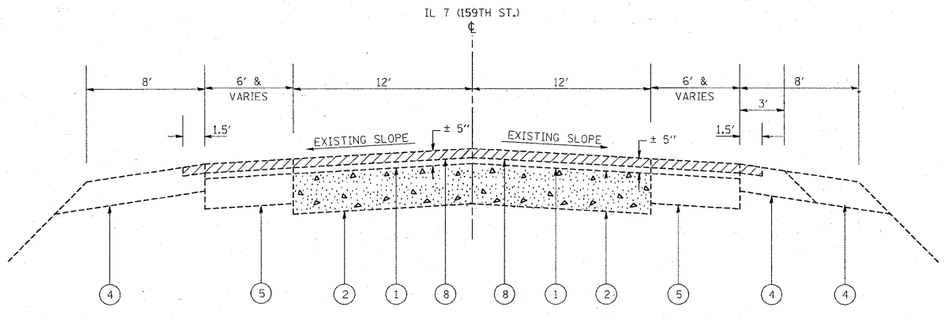
		CONTRACT NO. 60G05		
		ILLINOIS FED. AID PROJECT		



EXISTING TYPICAL SECTION
STATION 218+86 TO STATION 220+08
STATION 255+68 TO STATION 277+02



EXISTING TYPICAL SECTION
STATION 220+08 TO STATION 223+36



EXISTING TYPICAL SECTION
STATION 224+86 TO STATION 228+07

LEGEND

1. EXISTING HMA SURFACING, ± 5″
2. EXISTING PCC PAVEMENT, ±9″
3. EXISTING AGGREGATE SHOULDER, TYPE B
4. EXISTING HMA SHOULDER
5. EXISTING HMA WIDENING, ±10″
6. EXISTING COMBINATION CONCRETE CURB & GUTTER
7. PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
8. PROPOSED HMA SURFACE REMOVAL, 2-1/4″
9. PROPOSED POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4″
10. PROPOSED HMA SURFACE COURSE, MIX "D", N70, 1-1/2″
11. PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
12. PROPOSED GRADING AND SHAPING SHOULDERS

* LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER

NOTE:

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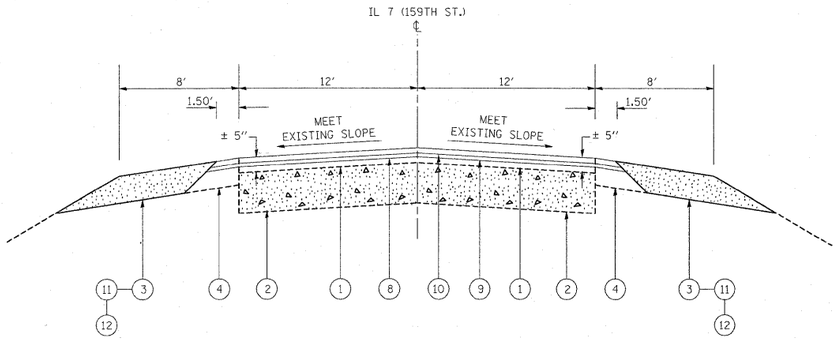
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

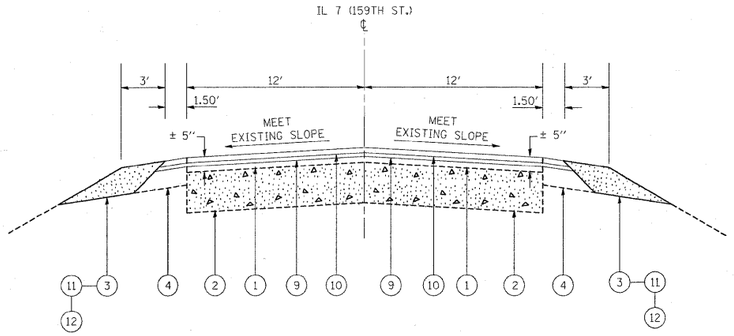
ILLINOIS 7 (159TH STREET)
EXISTING & PROPOSED TYPICAL SECTIONS

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

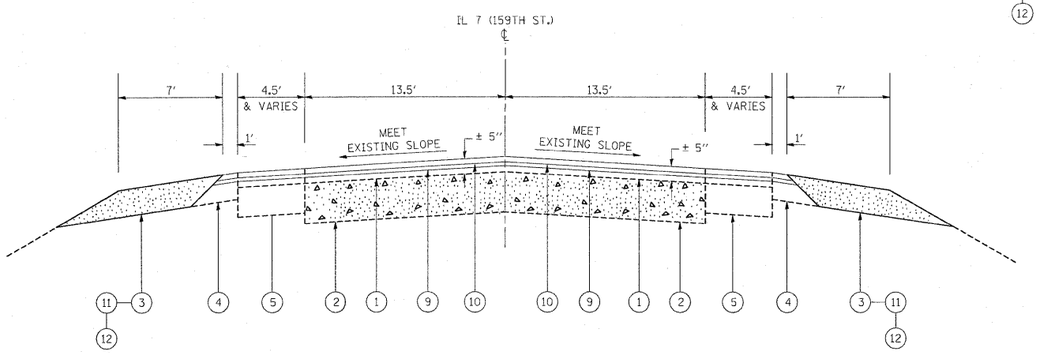
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536 RS-3	WILL	32	5
		CONTRACT NO. 60G05		
	ILLINOIS FED. AID PROJECT			



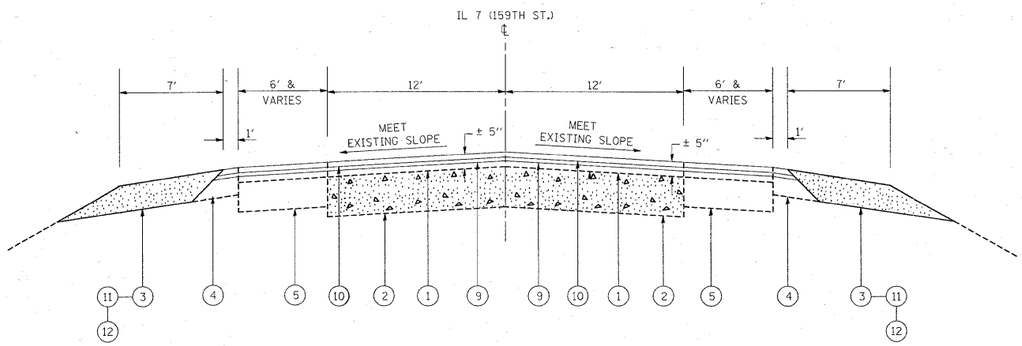
PROPOSED TYPICAL SECTION
STATION 24+81 TO STATION 83+43



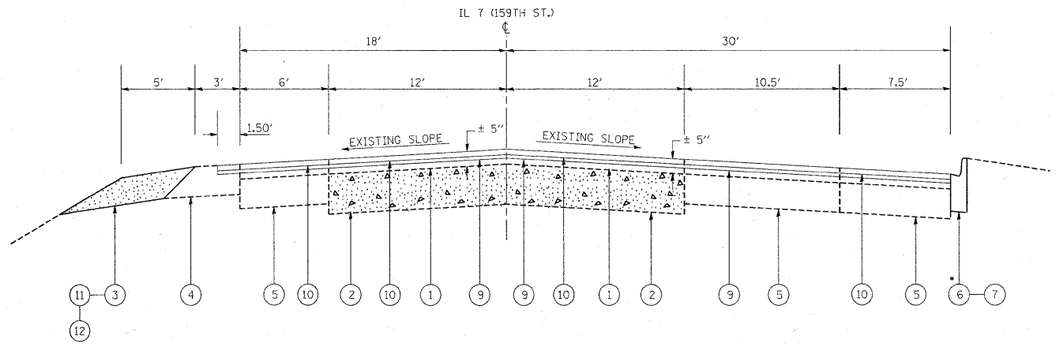
PROPOSED TYPICAL SECTION
STATION 100+86 TO STATION 214+12
STATION 228+07 TO STATION 255+75



PROPOSED TYPICAL SECTION
STATION 83+43 TO STATION 93+86



PROPOSED TYPICAL SECTION
STATION 93+86 TO STATION 100+86



PROPOSED TYPICAL SECTION
STATION 217+12 TO STATION 218+18

LEGEND

1. EXISTING HMA SURFACING, ± 5″
2. EXISTING PCC PAVEMENT, ±9″
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS 7 (159TH STREET)
EXISTING & PROPOSED TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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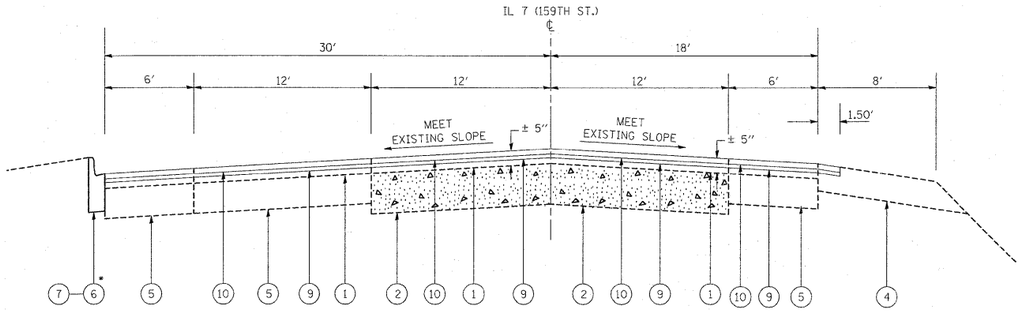
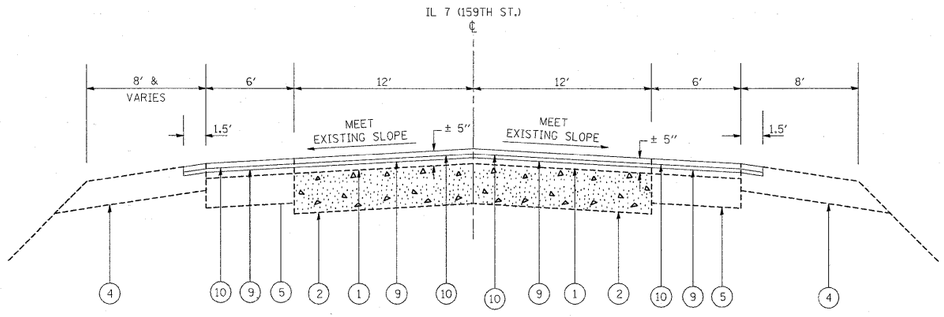
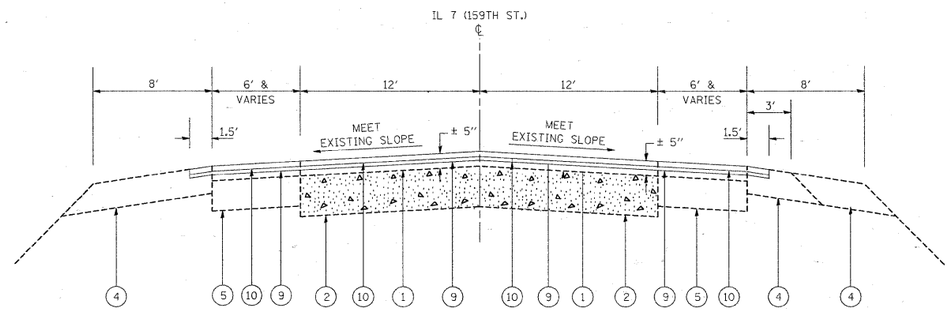
		CONTRACT NO. 60G05		
		ILLINOIS FED. AID PROJECT		



PROPOSED TYPICAL SECTION
STATION 218+86 TO STATION 220+08
STATION 255+68 TO STATION 277+02



PROPOSED TYPICAL SECTION
STATION 220+08 TO STATION 223+36



PROPOSED TYPICAL SECTION
STATION 224+86 TO STATION 228+07

LEGEND

1. EXISTING HMA SURFACING, ± 5″
2. EXISTING PCC PAVEMENT, ±9″
3. EXISTING AGGREGATE SHOULDER, TYPE B
4. EXISTING HMA SHOULDER
5. EXISTING HMA WIDENING, ±10″
6. EXISTING COMBINATION CONCRETE CURB & GUTTER
7. PROPOSED COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
8. PROPOSED HMA SURFACE REMOVAL, 2-1/4″
9. PROPOSED POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50, 3/4″
10. PROPOSED HMA SURFACE COURSE, MIX "D", N70, 1-1/2″
11. PROPOSED AGGREGATE WEDGE SHOULDER, TYPE B
12. PROPOSED GRADING AND SHAPING SHOULDERS

* LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER

NOTE:

"THE ENGINEER SHALL MILL FIRST PRIOR TO PATCHING".

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT

MIXTURE USE	AC/PG	AIR VOIDS (%)
MAINLINE RESURFACING		
HMA SURFACE COURSE MIX "D", N70	PG 64-22	4% @ 70 Gyr.
POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50	SBS/SBR PG 76-28/-22	4% @ 50 Gyr.
PATCHING		
CLASS D PATCH (HMA BINDER IL-19 mm)	PG 64-22 / 58-22*	4% @ 70 Gyr.
SHOULDER RESURFACING		
HMA SURFACE COURSE MIX "D", N70	PG 64-22	4% @ 70 Gyr.
POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50	SBS/SBR PG 76-28/-22	4% @ 50 Gyr.

NOTE:

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 PUNDS PER SQUARE YARD PER INCH EXCEPT FOR POLYMERIZED LEVELING BINDER (MM) WHICH IS 105 POUNDS PER SUARE YARD PER INCH.

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

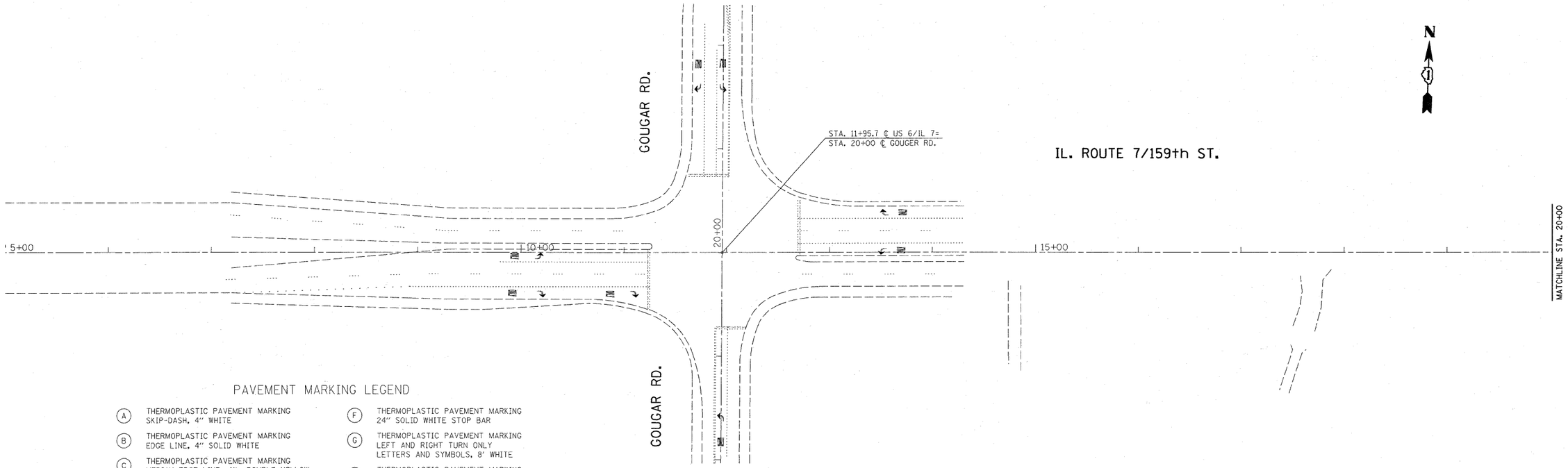
ILLINOIS 7 (159TH STREET)
EXISTING & PROPOSED TYPICAL SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536 RS-3	WILL	32	7

CONTRACT NO. 60G05

ILLINOIS FED. AID PROJECT



PAVEMENT MARKING LEGEND

- (A) THERMOPLASTIC PAVEMENT MARKING SKIP-DASH, 4" WHITE
- (B) THERMOPLASTIC PAVEMENT MARKING EDGE LINE, 4" SOLID WHITE
- (C) THERMOPLASTIC PAVEMENT MARKING MEDIAN EDGE LINE, 4" DOUBLE YELLOW
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- (E) THERMOPLASTIC PAVEMENT MARKING 12" SOLID YELLOW (RT. 45° DIAGONALS @ 20 C-C) MINIMUM USE 5 EQUALLY SPACED DIAGONAL LINES
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- (G) THERMOPLASTIC PAVEMENT MARKING LEFT AND RIGHT TURN ONLY LETTERS AND SYMBOLS, 8' WHITE
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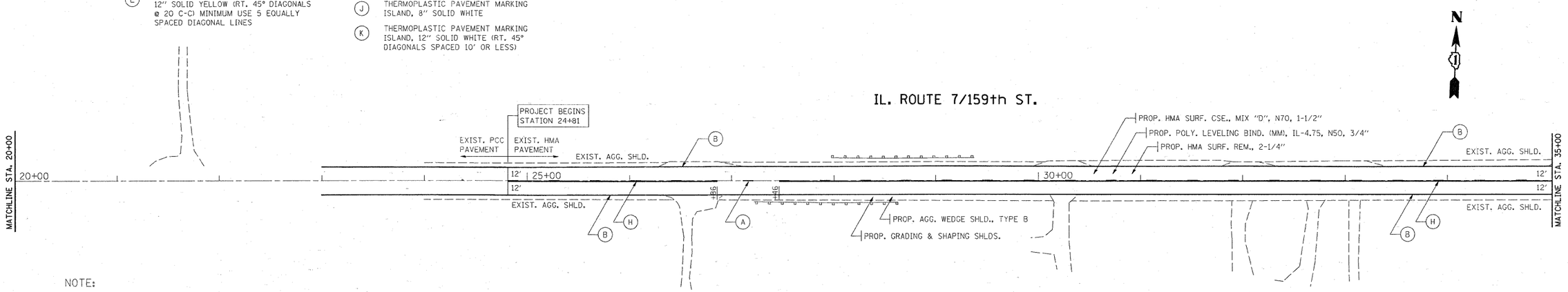

NOTE:

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RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS".

THE RESIDENT ENGINEER SHALL CONTACT MRS. CORA MATHIS, AREA TRAFFIC FIELD ENGINEER AT (815)485-6475 AT LEAST (2) WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

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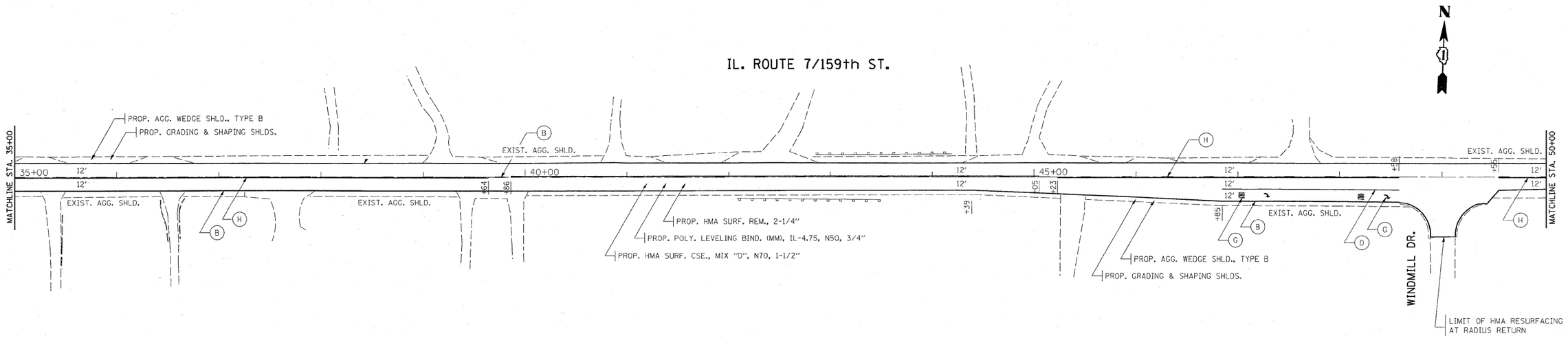
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS 7 (159TH STREET)
EXISTING AND PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

SCALE: 1"=50' | SHEET NO. 53 OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536 RS-3	WILL	32	8
		CONTRACT NO. 60G05		
		ILLINOIS FED. AID PROJECT		



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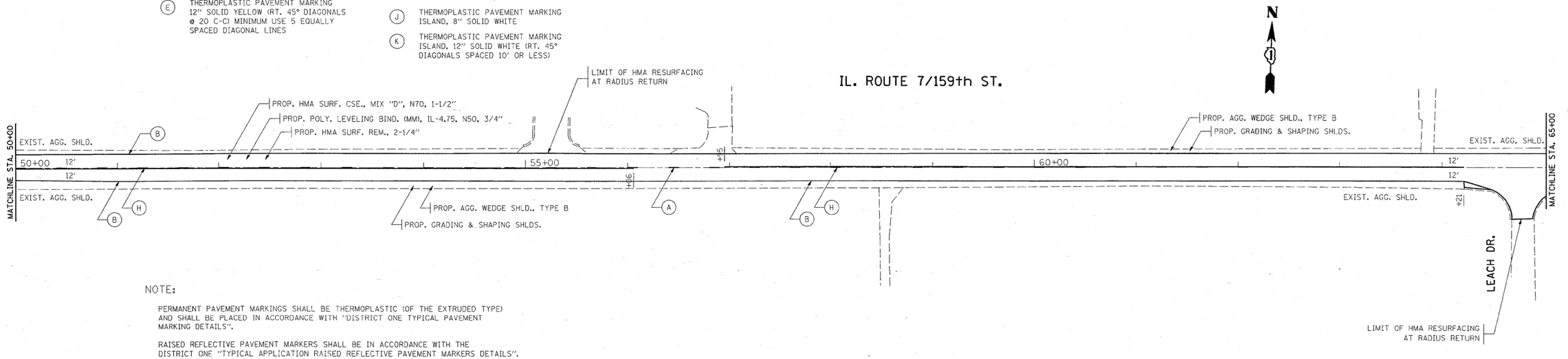

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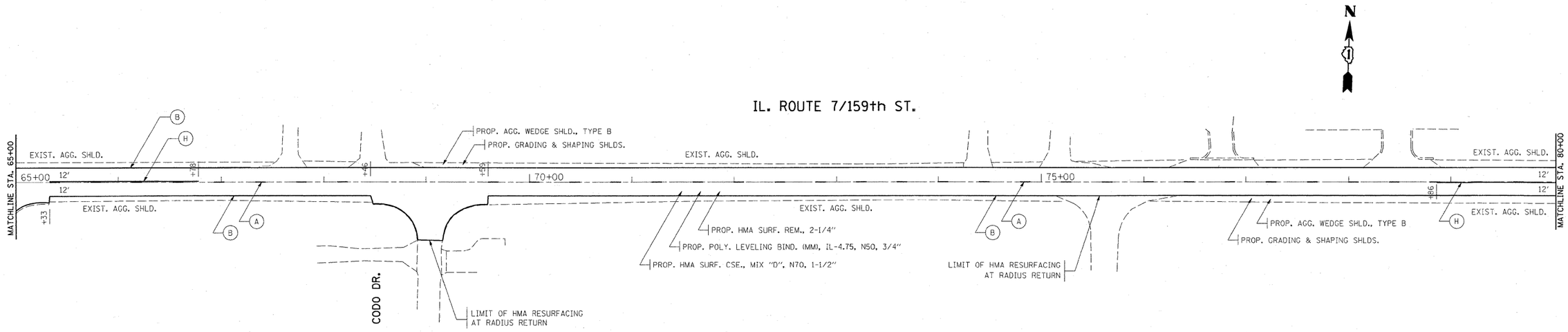
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS 7 (159TH STREET)
EXISTING AND PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

SCALE: 1"=50' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536 RS-3	WILL	32	9
		CONTRACT NO. 60G05		
	ILLINOIS FED. AID PROJECT			



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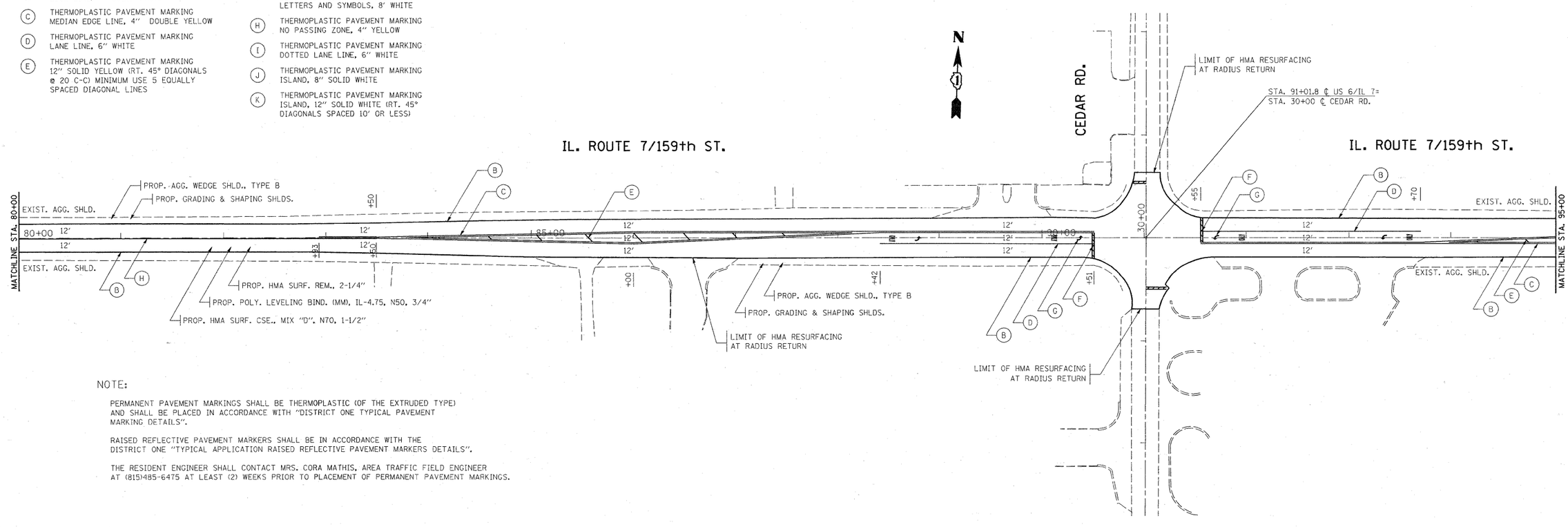

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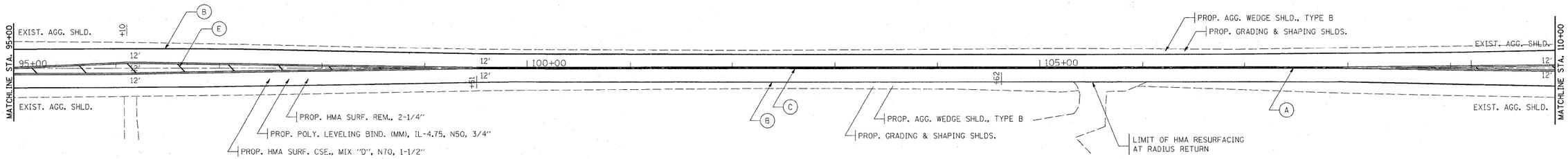
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS 7 (159TH STREET)
EXISTING AND PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

SCALE: 1"=50' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536 RS-3	WILL	32	10
		CONTRACT NO. 60G05		
	ILLINOIS FED. AID PROJECT			



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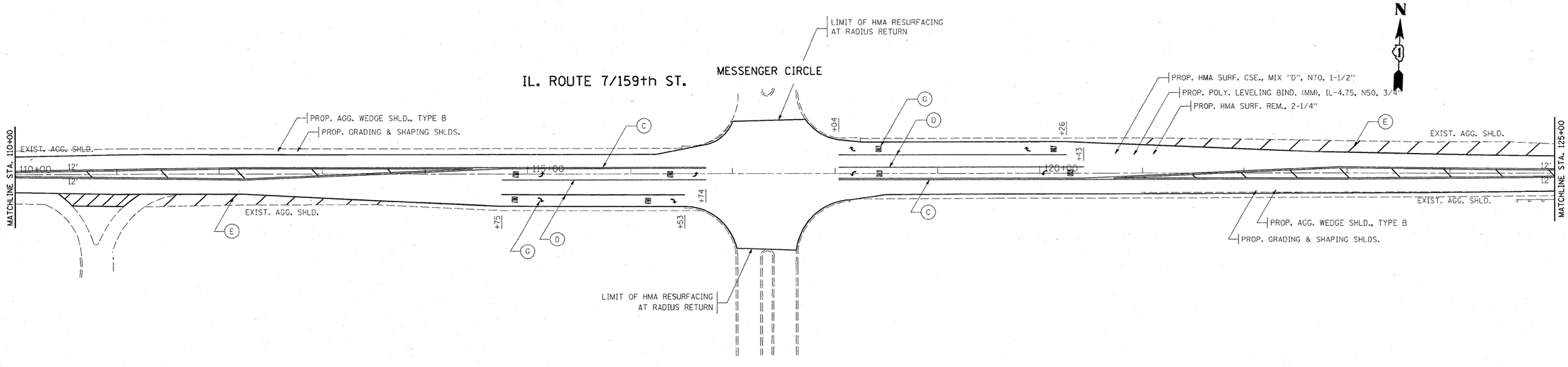

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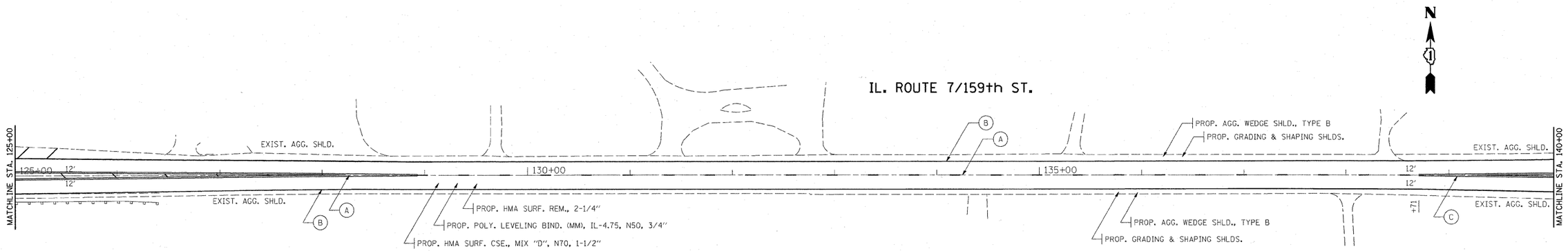
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS 7 (159TH STREET)
EXISTING AND PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

SCALE: 1"=50' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536 RS-3	WILL	32	11
		CONTRACT NO. 60G05		
		ILLINOIS	FED. AID PROJECT	



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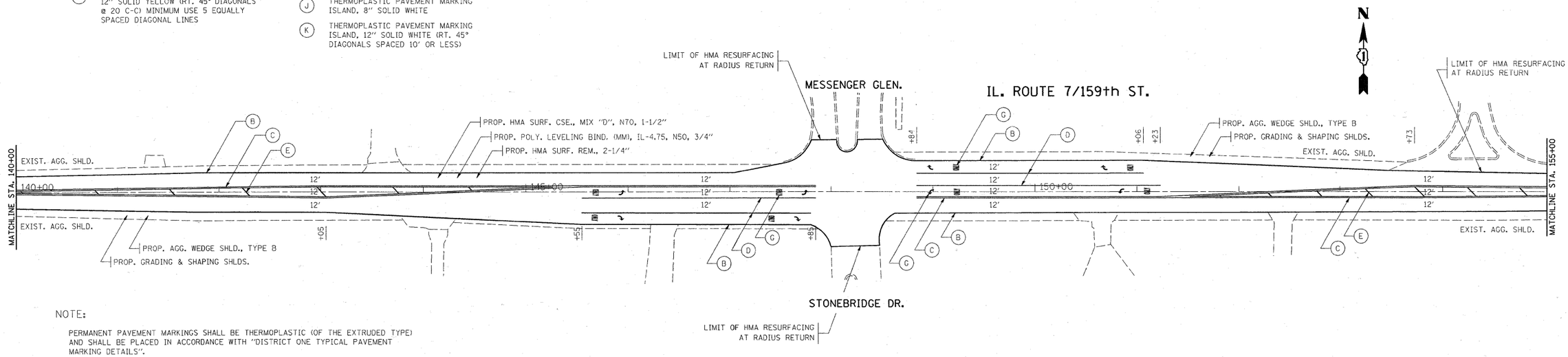

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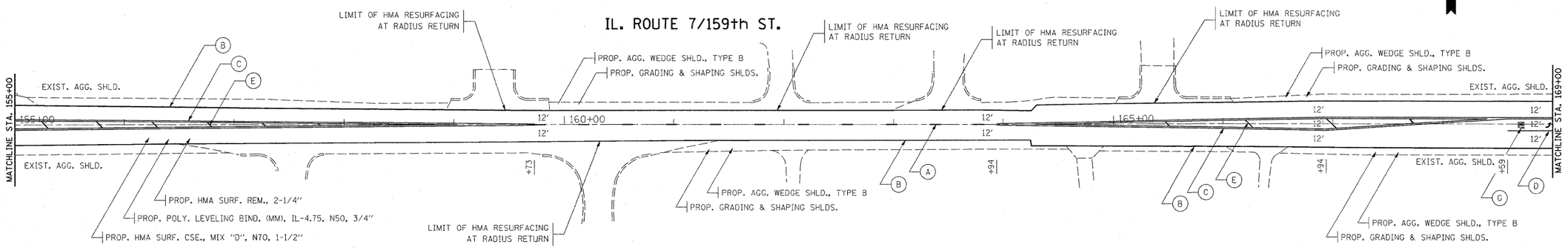
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS 7 (159TH STREET)
EXISTING AND PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

SCALE: 1"=50' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536 RS-3	WILL	32	12
		CONTRACT NO. 60G05		
	ILLINOIS	FED. AID PROJECT		



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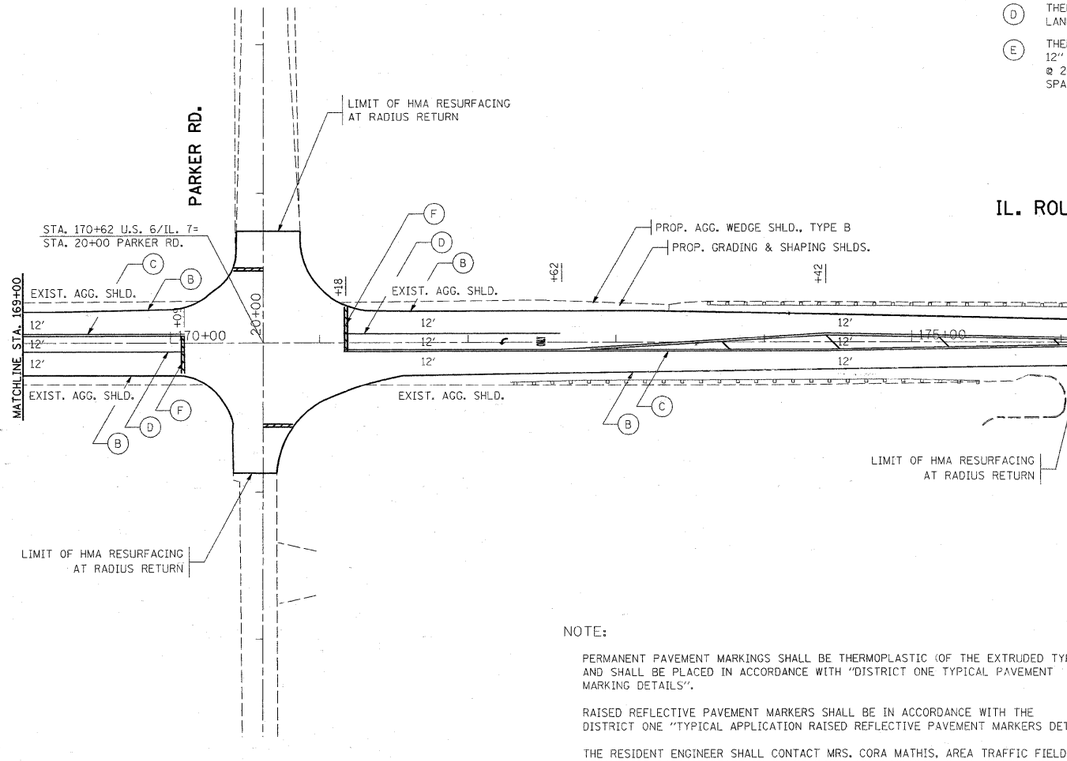

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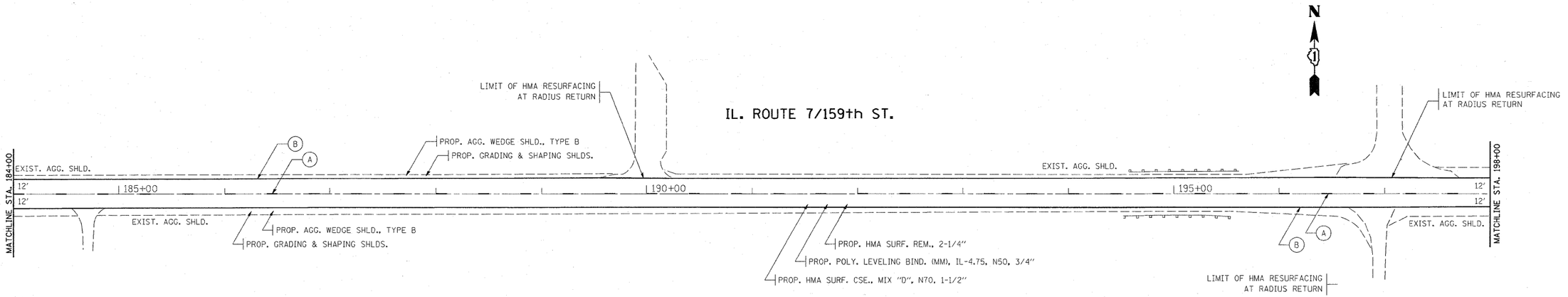
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS 7 (159TH STREET)
EXISTING AND PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

SCALE: 1"=50' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536 RS-3	WILL	32	13
		CONTRACT NO. 60G05		
	ILLINOIS FED. AID PROJECT			



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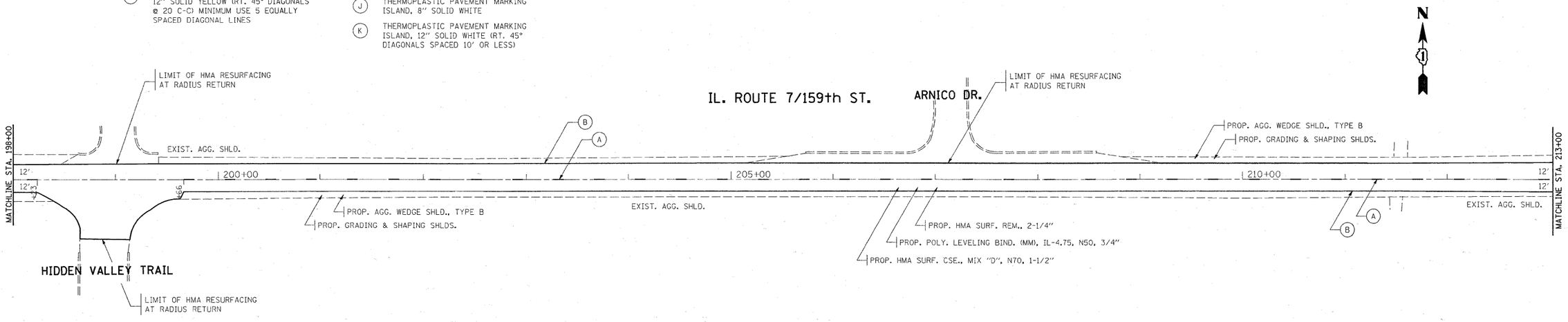

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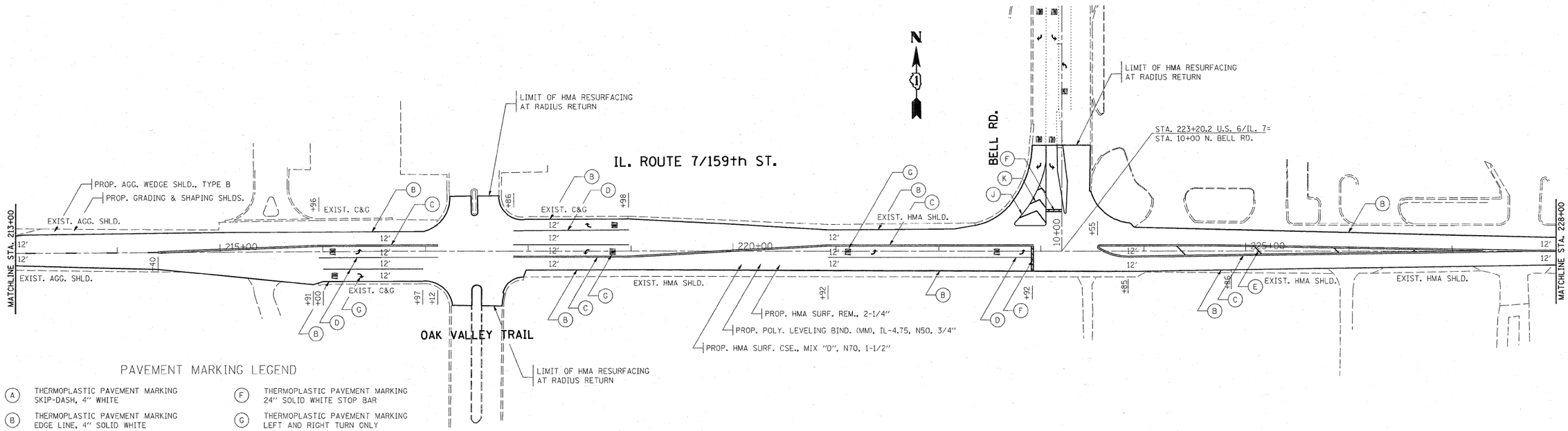
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS 7 (159TH STREET)
EXISTING AND PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

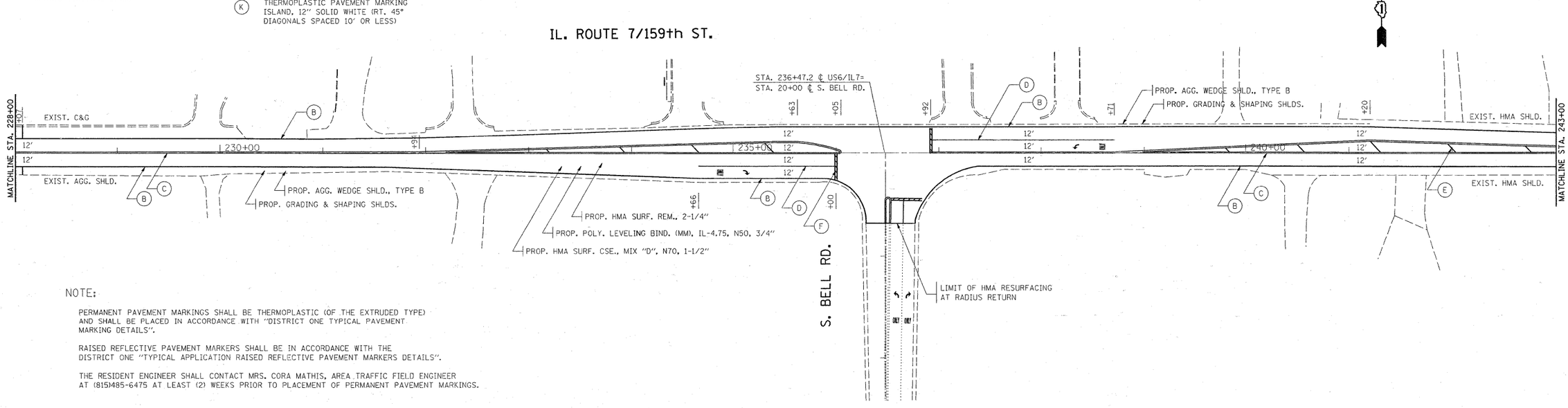
SCALE: 1"=50' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536 RS-3	WILL	32	14
		CONTRACT NO. 60G05		
	ILLINOIS FED. AID PROJECT			



PAVEMENT MARKING LEGEND

- (A) THERMOPLASTIC PAVEMENT MARKING SKIP-DASH, 4" WHITE
- (B) THERMOPLASTIC PAVEMENT MARKING EDGE LINE, 4" SOLID WHITE
- (C) THERMOPLASTIC PAVEMENT MARKING MEDIAN EDGE LINE, 4" DOUBLE YELLOW
- (D) THERMOPLASTIC PAVEMENT MARKING LANE LINE, 6" WHITE
- (E) THERMOPLASTIC PAVEMENT MARKING 12" SOLID YELLOW (RT. 45° DIAGONALS @ 20 C-C) MINIMUM USE 5 EQUALLY SPACED DIAGONAL LINES
- (F) THERMOPLASTIC PAVEMENT MARKING 24" SOLID WHITE STOP BAR
- (G) THERMOPLASTIC PAVEMENT MARKING LEFT AND RIGHT TURN ONLY LETTERS AND SYMBOLS, 8' WHITE
- (H) THERMOPLASTIC PAVEMENT MARKING NO PASSING ZONE, 4" YELLOW
- (I) THERMOPLASTIC PAVEMENT MARKING DOTTED LANE LINE, 6" WHITE
- (J) THERMOPLASTIC PAVEMENT MARKING ISLAND, 8" SOLID WHITE
- (K) THERMOPLASTIC PAVEMENT MARKING ISLAND, 12" SOLID WHITE (RT. 45° DIAGONALS SPACED 10' OR LESS)



NOTE:

PERMANENT PAVEMENT MARKINGS SHALL BE THERMOPLASTIC (OF THE EXTRUDED TYPE) AND SHALL BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKING DETAILS".

RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS".

THE RESIDENT ENGINEER SHALL CONTACT MRS. CORA MATHIS, AREA TRAFFIC FIELD ENGINEER AT (815)485-6475 AT LEAST (2) WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

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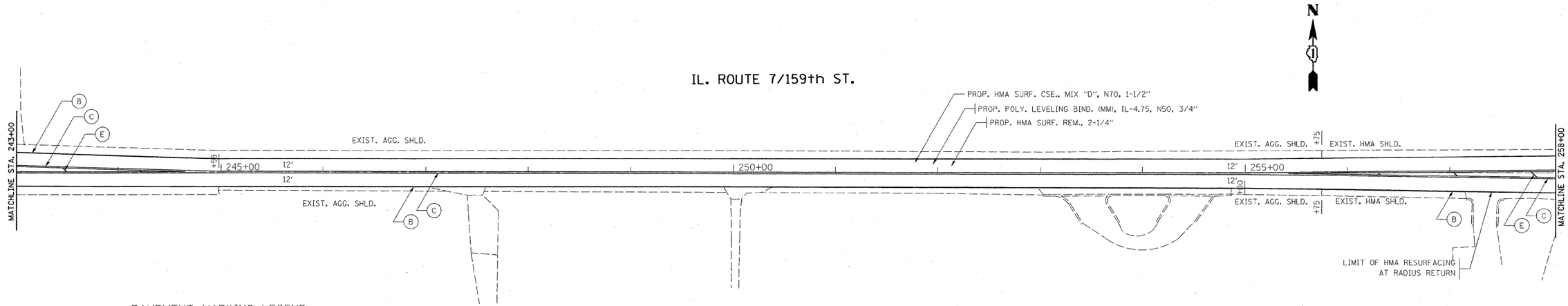
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/10/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS 7 (159TH STREET)
EXISTING AND PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

SCALE: 1"=50' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536 RS-3	WILL	32	15
		CONTRACT NO. 60G05		
		ILLINOIS FED. AID PROJECT		



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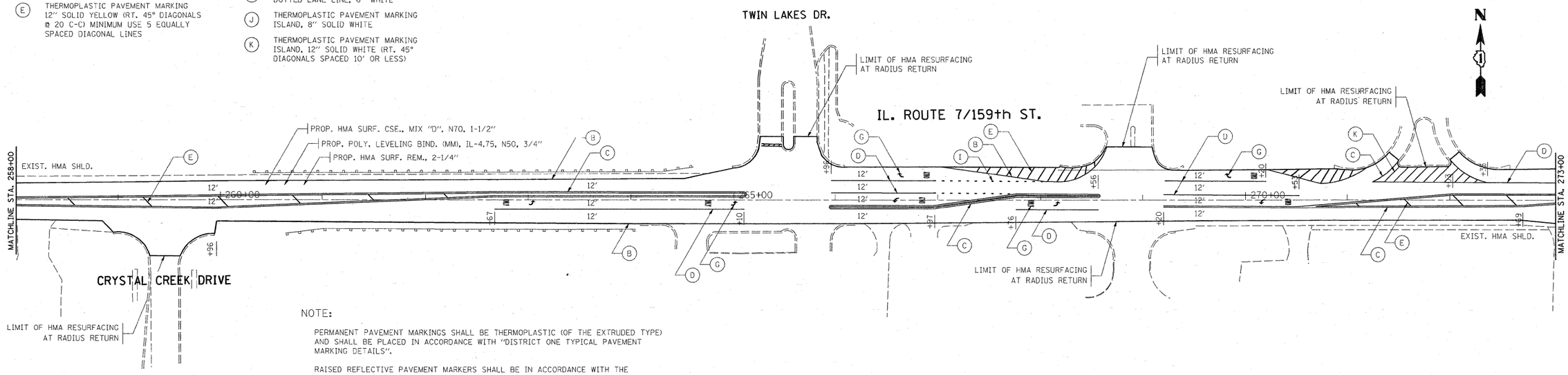

NOTE:

PERMANENT PAVEMENT MARKINGS SHALL BE THERMOPLASTIC (OF THE EXTRUDED TYPE) AND SHALL BE PLACED IN ACCORDANCE WITH "DISTRICT ONE TYPICAL PAVEMENT MARKING DETAILS".

RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAILS".

THE RESIDENT ENGINEER SHALL CONTACT MRS. CORA MATHIS, AREA TRAFFIC FIELD ENGINEER AT (815)485-6475 AT LEAST (2) WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

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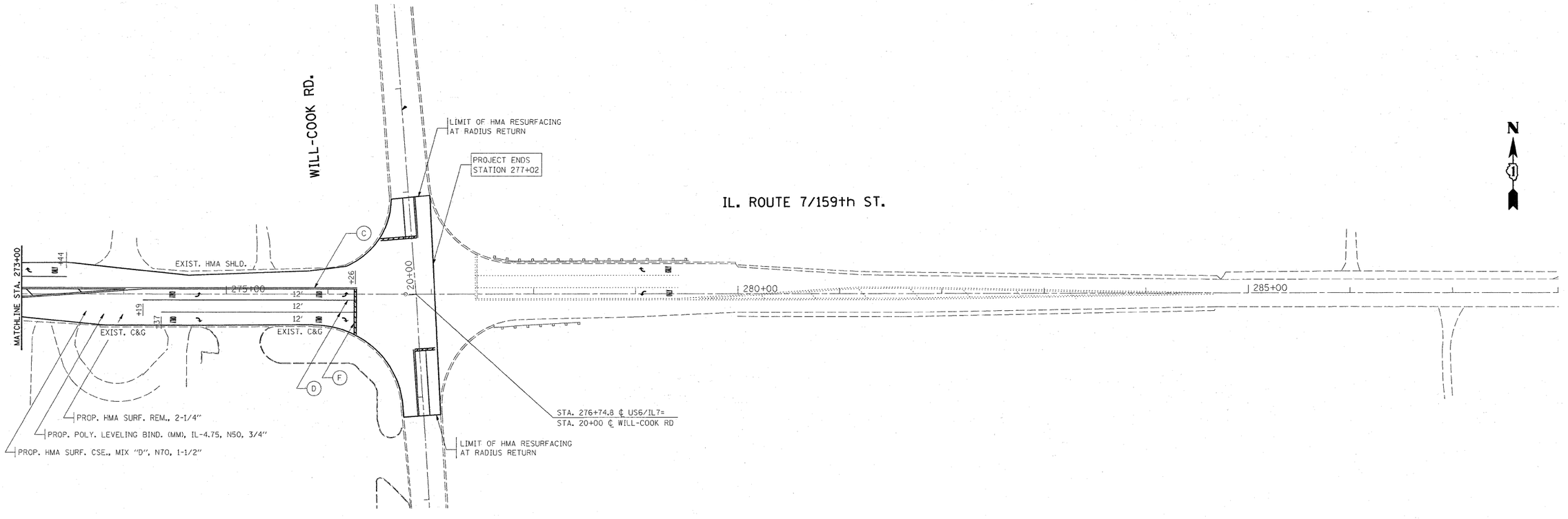
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 2/10/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS 7 (159TH STREET)
EXISTING AND PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

SCALE: 1"=50' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536 RS-3	WILL	32	16
		CONTRACT NO. 60G05		
	ILLINOIS FED. AID PROJECT			



PAVEMENT MARKING LEGEND

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	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS 7 (159TH STREET)
EXISTING AND PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

SCALE: 1"=50' | SHEET NO. OF SHEETS | STA. | TO STA.

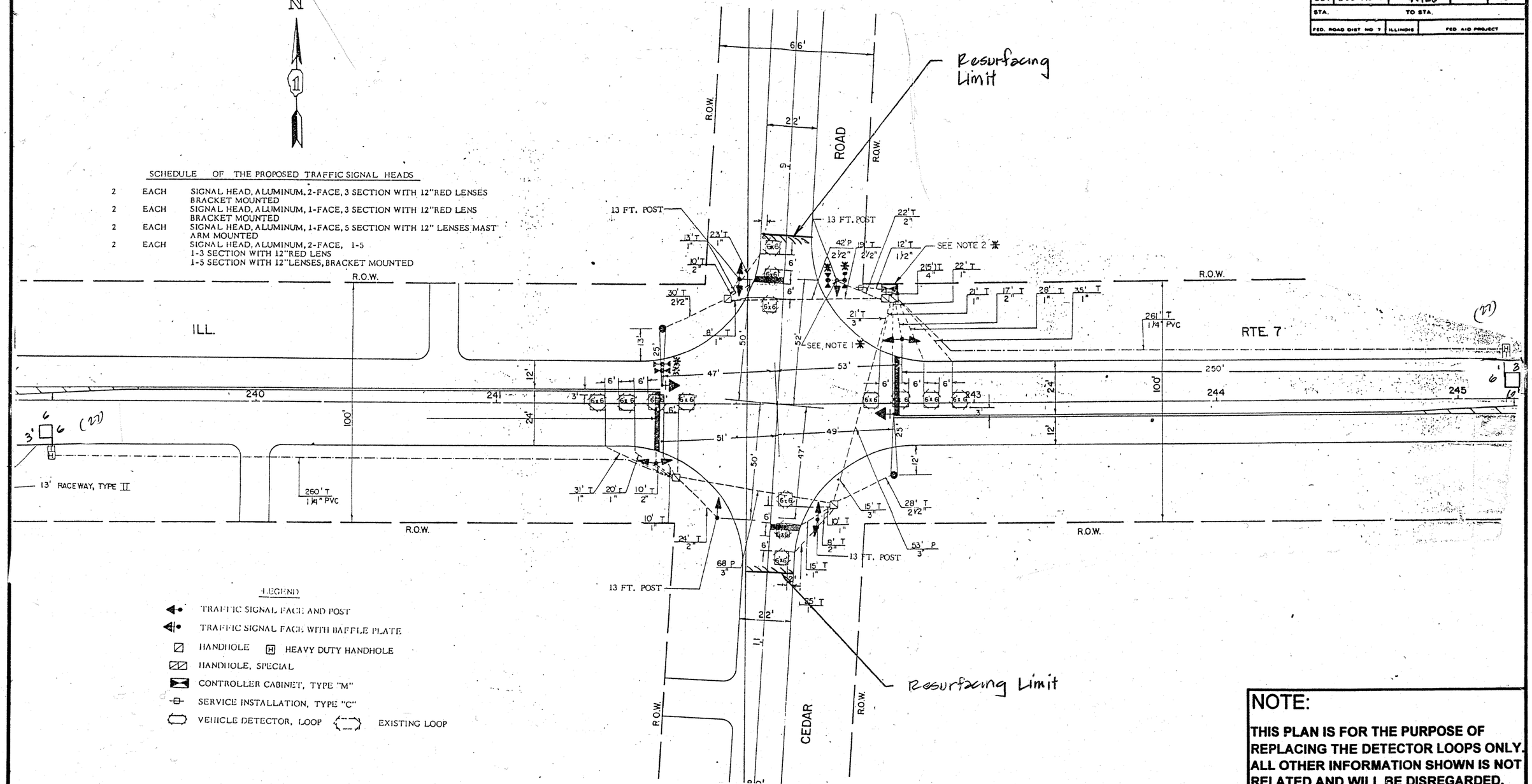
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536 RS-3	WILL	32	17
		CONTRACT NO. 60G05		
	ILLINOIS FED. AID PROJECT			

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	53G RS-3	WILL	32	18
STA.		TO STA.		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

N

SCHEDULE OF THE PROPOSED TRAFFIC SIGNAL HEADS

2	EACH	SIGNAL HEAD, ALUMINUM, 2-FACE, 3 SECTION WITH 12"RED LENSES BRACKET MOUNTED
2	EACH	SIGNAL HEAD, ALUMINUM, 1-FACE, 3 SECTION WITH 12"RED LENS BRACKET MOUNTED
2	EACH	SIGNAL HEAD, ALUMINUM, 1-FACE, 5 SECTION WITH 12" LENSES MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, ALUMINUM, 2-FACE, 1-5 1-3 SECTION WITH 12"RED LENS 1-5 SECTION WITH 12"LENSES, BRACKET MOUNTED



LEGEND

- TRAFFIC SIGNAL FACE AND POST
- TRAFFIC SIGNAL FACE WITH BAFFLE PLATE
- HANDHOLE
- HEAVY DUTY HANDHOLE
- HANDHOLE, SPECIAL
- CONTROLLER CABINET, TYPE "M"
- SERVICE INSTALLATION, TYPE "C"
- VEHICLE DETECTOR, LOOP
- EXISTING LOOP

REPLACE ALL DETECTOR LOOPS AS SHOWN

(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
80600600	512	Foot	Detector Loop Replacement

NOTE:

THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS ONLY. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT

ILL. ROUTE 7 @ CEDAR ROAD

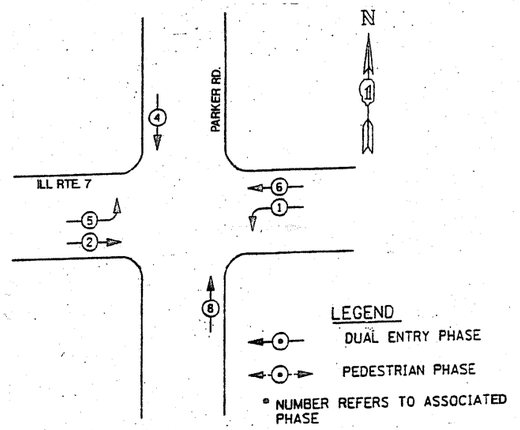
SCALE: NONE

DATE JAN. 2009

DRAWN BY JHE
DESIGNED BY: JHE
CHECKED BY DAD

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
351	53G RS-3	Will	32	19
STA.	TO STA.			
FED. ROAD DIST NO 7	ILLINOIS	FED AID PROJECT		

132



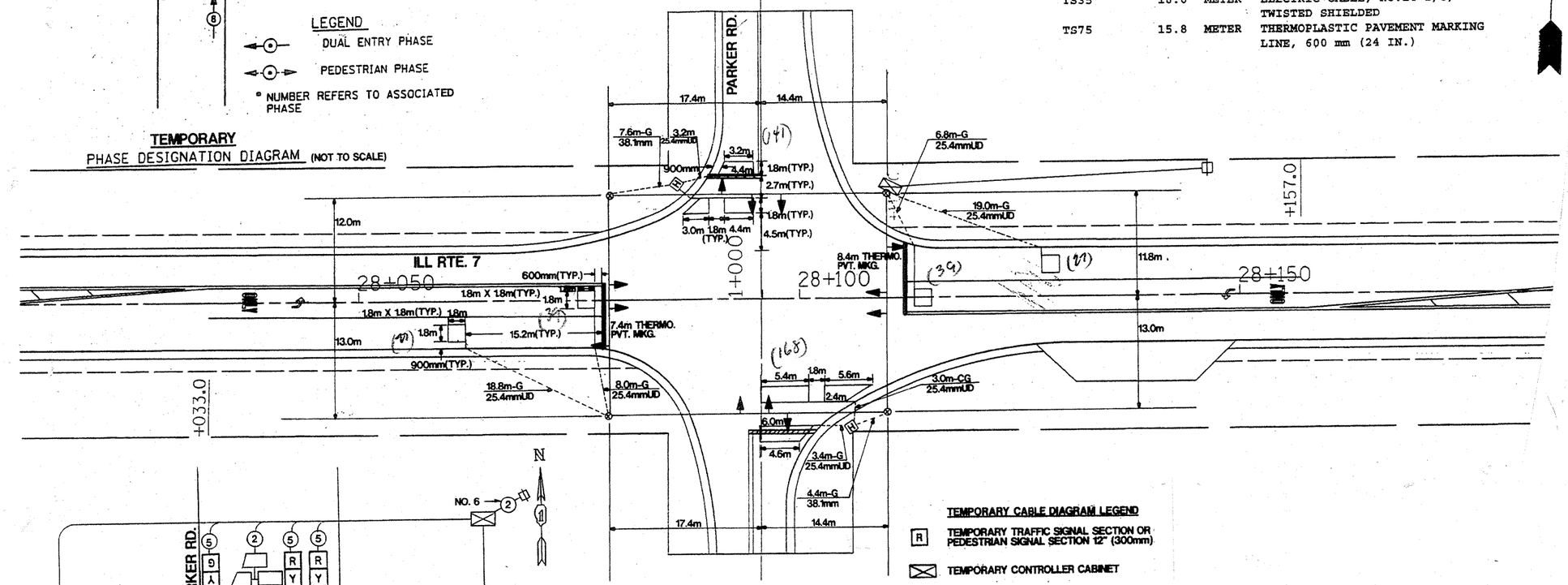
TEMPORARY
PHASE DESIGNATION DIAGRAM (NOT TO SCALE)

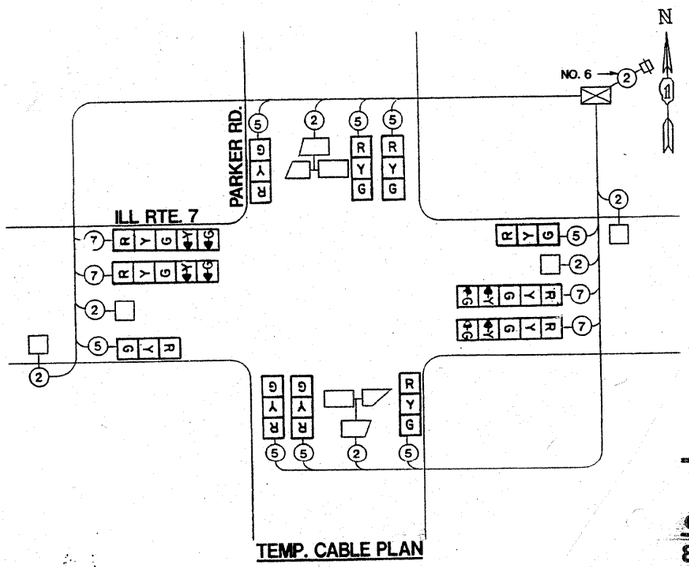
TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED ORIGINAL LOCATION.
- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED SECONDARY LOCATION.
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- TEMPORARY SERVICE INSTALLATION
- VEHICLE DETECTOR, INDUCTION LOOP
- CT COMMON TRENCH
- UD UNIT DUCT
- G.S. CONDUIT IN GROUND
- HANDHOLE
- H HEAVY DUTY HANDHOLE

EMC SCHEDULE OF QUANTITIES

ITEM	QUANTITY	UNIT	DESCRIPTION
GC18	12.0	METER	CONDUIT IN GROUND, 38.1 mm (11/2 in.), GALVANIZED STEEL
	194.2	METER	ELECTRIC CABLE AERIAL SUSPENDED TWISTED SHIELDED, 2/C NO.14
GH2	2	EACH	HEAVY-DUTY HANDHOLE
TS16	117.6	METER	DETECTOR LOOP
TS21	1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
TS35	16.0	METER	ELECTRIC CABLE, NO.14 2/C, TWISTED SHIELDED
TS75	15.8	METER	THERMOPLASTIC PAVEMENT MARKING LINE, 600 mm (24 IN.)





TEMPORARY CABLE DIAGRAM LEGEND

- R TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION 12" (300mm)
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SERVICE INSTALLATION
- (5) INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP

NOTE:

THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS ONLY. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

REPLACE ALL DETECTOR LOOPS AS SHOWN

(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
80600600	441	Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT

ILL. RTE. 7 @ PARKER ROAD

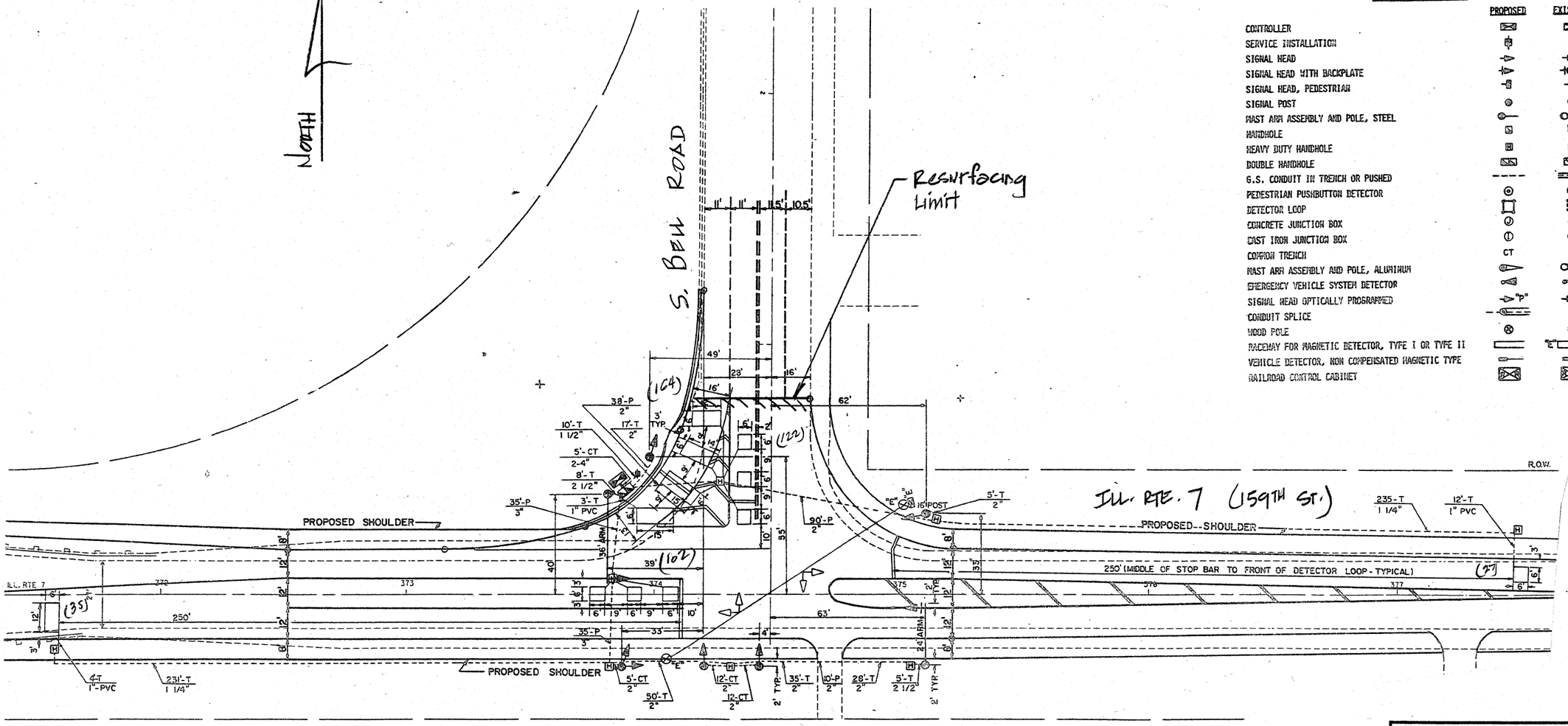
SCALE: NONE

DATE JAN. 09

DRAWN BY JHE
DESIGNED BY: JHE
CHECKED BY DAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	53G R9-3	Will	32	20
STA.		TO STA.		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

NORTH



TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER	⊠	⊠
SERVICE INSTALLATION	⊕	⊕
SIGNAL HEAD	⊕	⊕
SIGNAL HEAD WITH BACKPLATE	⊕	⊕
SIGNAL HEAD, PEDESTRIAN	P	P
SIGNAL POST	○	○
MAST ARM ASSEMBLY AND POLE, STEEL	○	○ E
HANDHOLE	⊠	⊠ E
HEAVY DUTY HANDHOLE	⊞	⊞ E
DOUBLE HANDHOLE	⊠⊠	⊠⊠ E
G.S. CONDUIT IN TRENCH OR PUSHED	----	----
PEDESTRIAN PUSHBUTTON DETECTOR	⊙	⊙
DETECTOR LOOP	□	□
CONCRETE JUNCTION BOX	⊙	⊙ E
CAST IRON JUNCTION BOX	⊙	⊙ E
COMMON TRENCH	CT	
MAST ARM ASSEMBLY AND POLE, ALUMINUM	◁	◁
EMERGENCY VEHICLE SYSTEM DETECTOR	◁	◁
SIGNAL HEAD OPTICALLY PROGRAMMED	P	P
CONDUIT SPLICE	⊗	
WOOD POLE	⊗	⊗ E
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		E
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RAILROAD CONTROL CABINET	⊠	⊠ E

NOTE:

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REPLACE ALL DETECTOR LOOPS AS SHOWN

(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
8600600	450	Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT

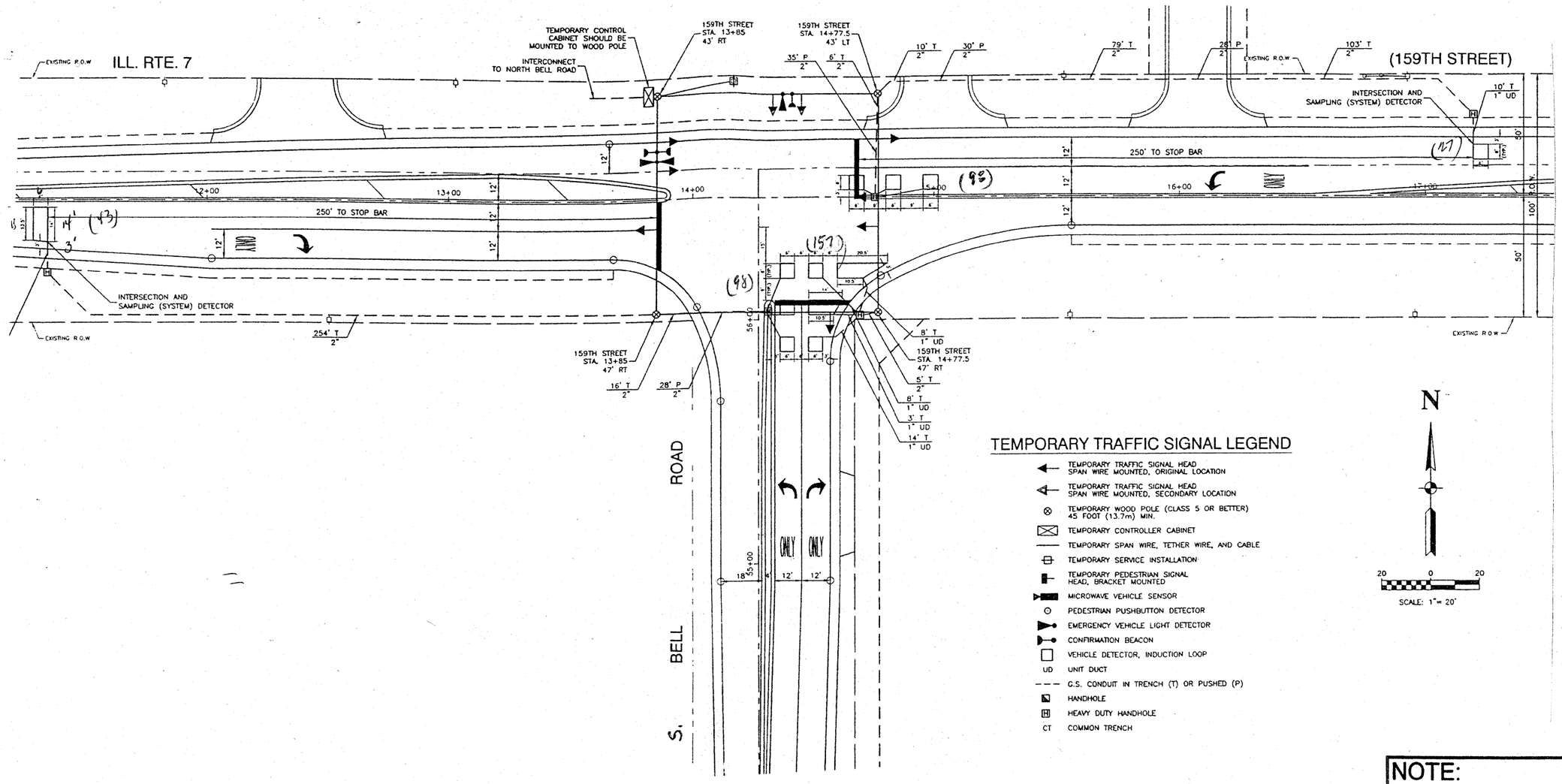
ILL. ROUTE 7 @ S. BELL RD. (W.)

SCALE: NONE

DATE JAN. 2009

DRAWN BY JHE
DESIGNED BY: JHE
CHECKED BY DAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	536 RS-3	WILL	32	21
STA.		TO STA.		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		



TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED, ORIGINAL LOCATION
- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED, SECONDARY LOCATION
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MIN.
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED
- MICROWAVE VEHICLE SENSOR
- PEDESTRIAN PUSHBUTTON DETECTOR
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- VEHICLE DETECTOR, INDUCTION LOOP
- UD UNIT DUCT
- G.S. CONDUIT IN TRENCH (T) OR PUSHED (P)
- HANDHOLE
- HEAVY DUTY HANDHOLE
- CT COMMON TRENCH

20 0 20

SCALE: 1"= 20'

REPLACE ALL DETECTOR LOOPS AS SHOWN

(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
8X600600	423	Foot	Detector Loop Replacement

NOTE:

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT

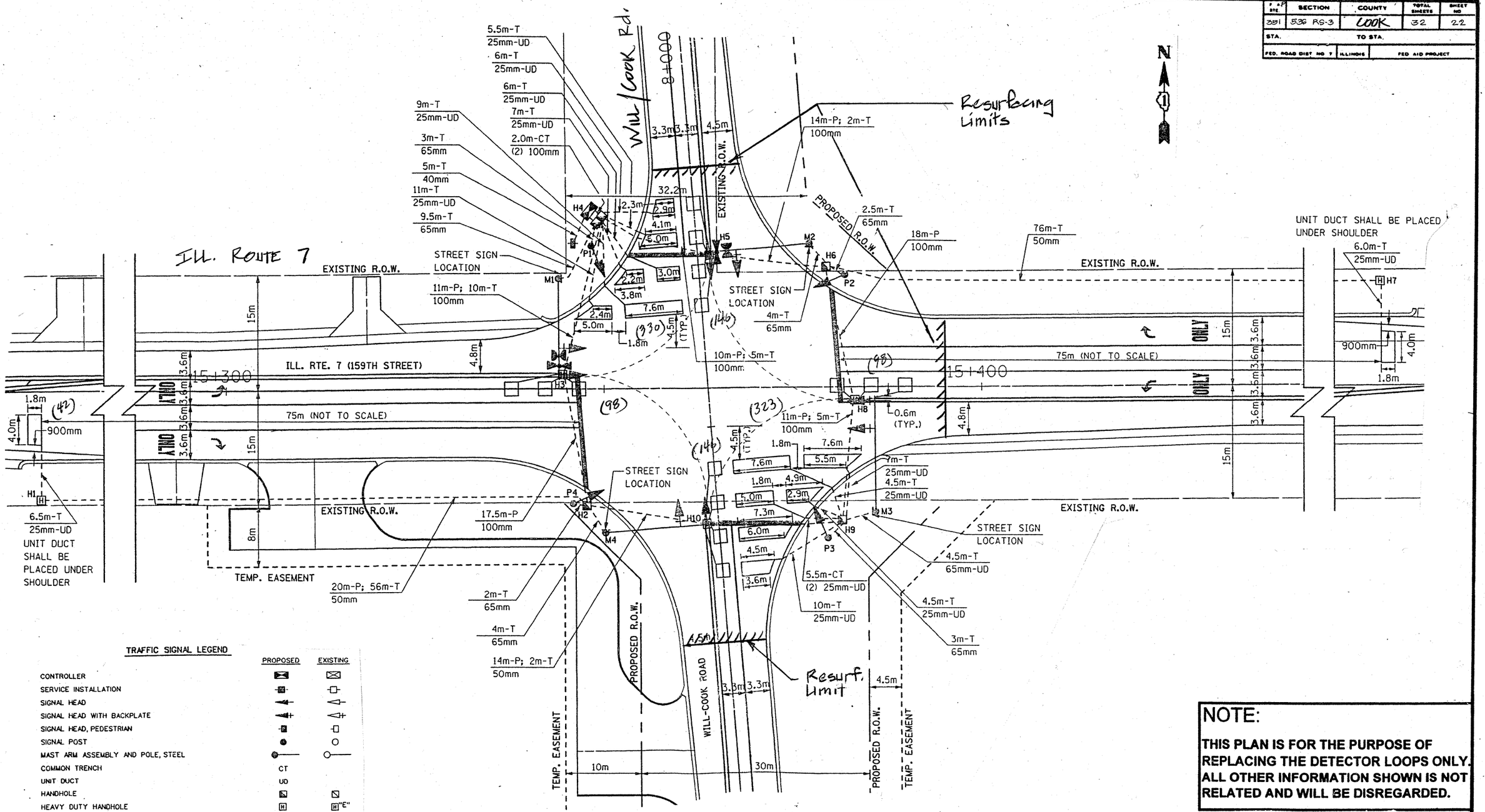
ILL. ROUTE 7 @ S. BELL RD. (E.)

SCALE: NONE

DATE Jan. 2009

DRAWN BY JHE
DESIGNED BY: JHE
CHECKED BY DAD

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
381	536 RS-3	COOK	32	22
STA.		TO STA.		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		



TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD, PEDESTRIAN		
SIGNAL POST		
MAST ARM ASSEMBLY AND POLE, STEEL		
COMMON TRENCH	CT	
UNIT DUCT	UD	
HANDHOLE		
HEAVY DUTY HANDHOLE	H	H "E"
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
PEDESTRIAN PUSHBUTTON DETECTOR		
DETECTOR LOOP		
EMERGENCY VEHICLE SYSTEM DETECTOR		
CONFIRMATION BEACON		

REPLACE ALL DETECTOR LOOPS AS SHOWN

(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
8**600600	1183	Foot	Detector Loop Replacement

NOTE:

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

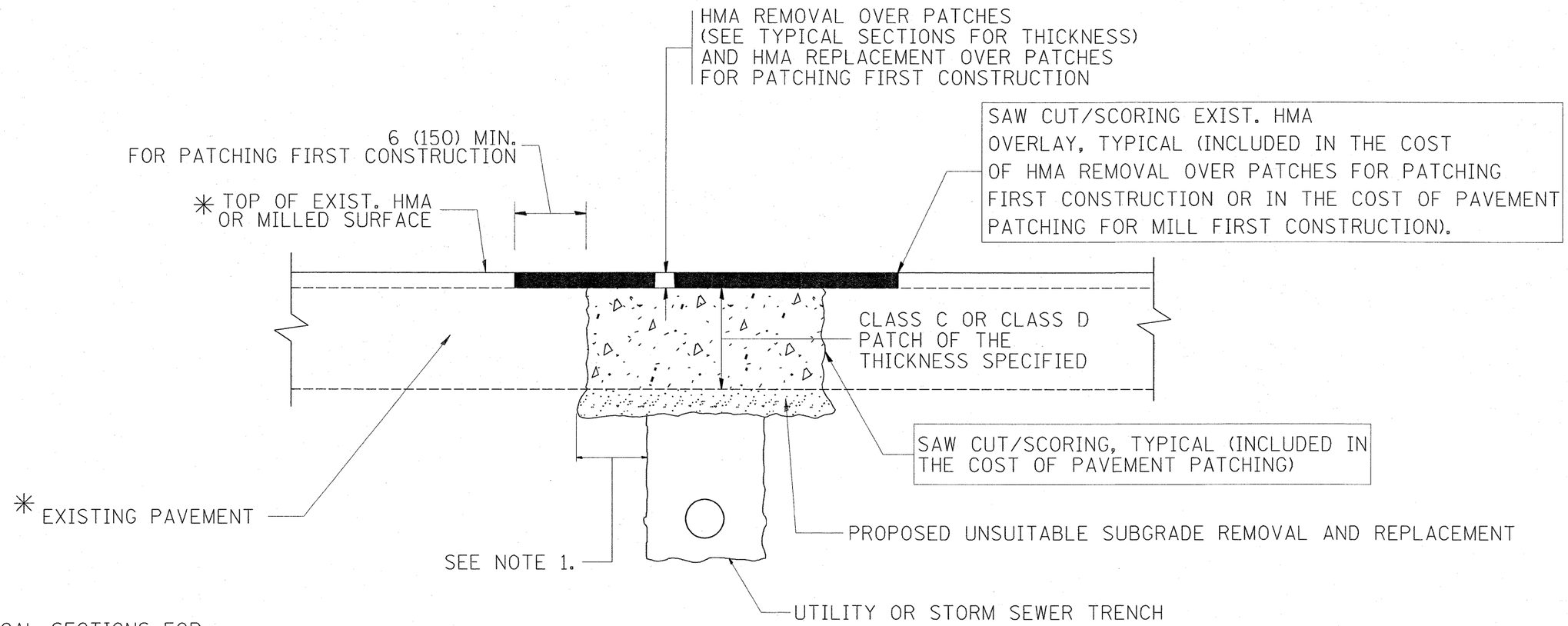
DETECTOR LOOP REPLACEMENT

ILL. ROUTE 7 @ WILL / COOK RD.

SCALE: NONE

DATE JAN. 2009

DRAWN BY JHE
DESIGNED BY: JHE
CHECKED BY DAD



* 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)

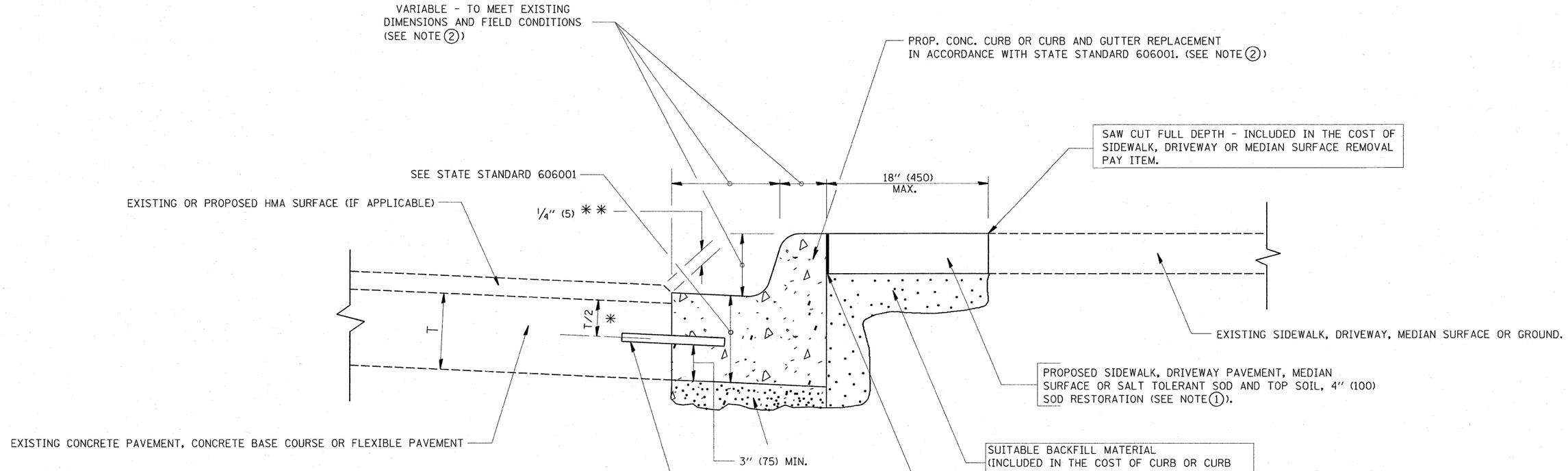
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ 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:\pw_work\PWIDOT\GALBANNB\d0121141\Dist_Std.dgn	USER NAME = galbannb	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.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
								531	536 RS-3	WILL	32	23
	PLOT SCALE = 50.0000 ' / IN.	DRAWN -	REVISED - R. BORO 01-01-07					BD400-04 (BD-22)		CONTRACT NO. 60605		
	PLOT DATE = 2/10/2009	CHECKED -	REVISED - R. BORO 09-04-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	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.

BASIS OF PAYMENT:

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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

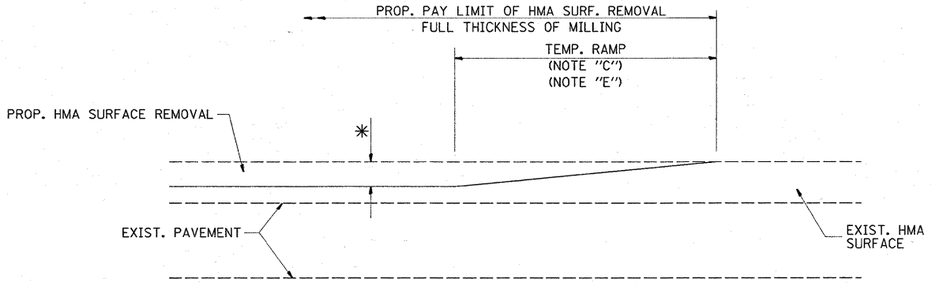
FILE NAME = c:\pw_work\PWIDOT\GALBANNB\d0121141\Dist Std.dgn	USER NAME = galbannb	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96
	PLOT SCALE = 50.0000 ' / IN.	DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT DATE = 2/10/2009	CHECKED -	REVISED - M. GOMEZ 01-22-01
		DATE - 03-11-94	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

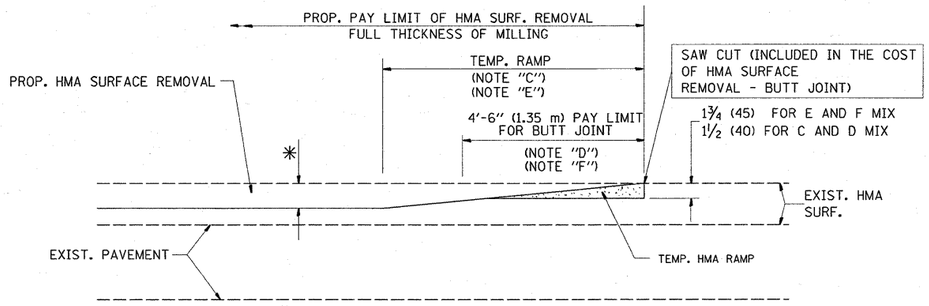
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	536 RS-3	WILL	32	24
	BD600-06 (BD-24)	CONTRACT NO. 60G05		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

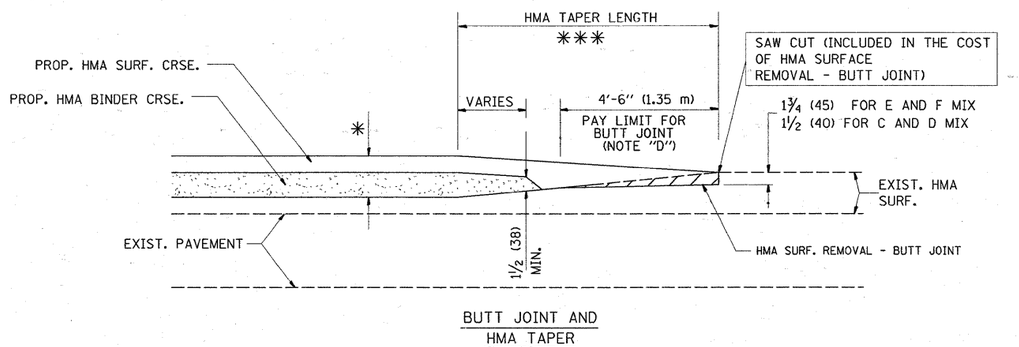


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

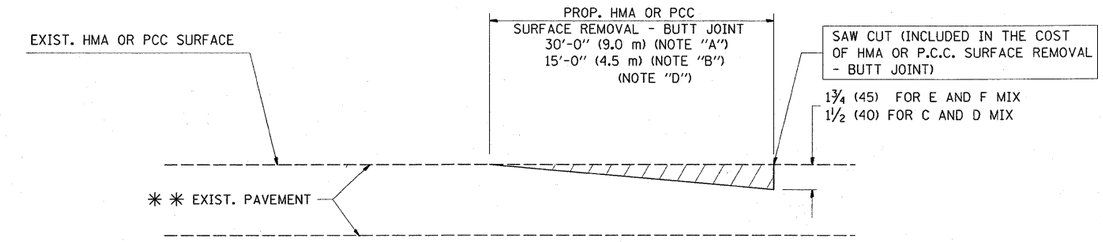
OPTION 2

TYPICAL TEMPORARY RAMP

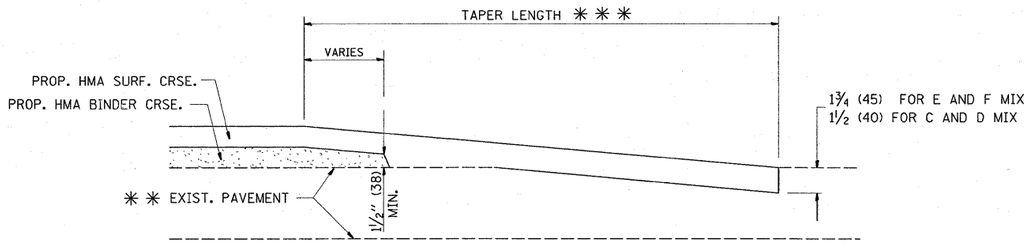


BUTT JOINT AND HMA TAPER

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.

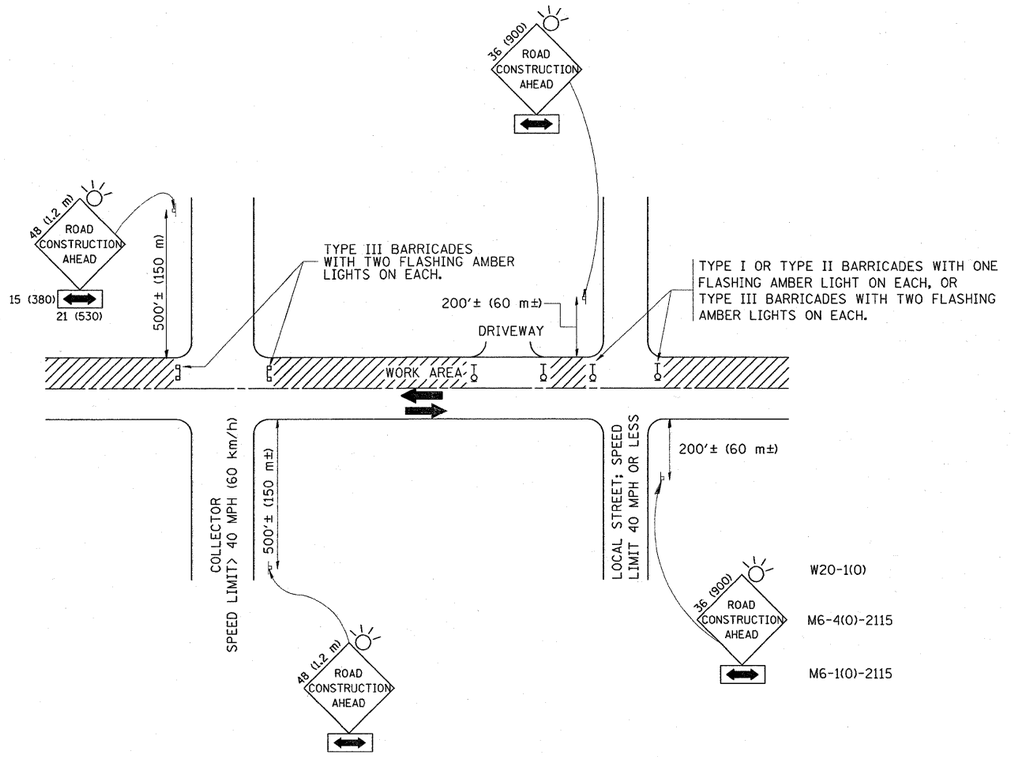
FILE NAME = c:\pw_work\PWIDOT\GALBANNB\d0121141\Dist5td.dgn	USER NAME = galbannb	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 2/10/2009	DATE - 06-13-90	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	536 RS-3	WILL	32	25
	BD400-05 BD32	CONTRACT NO. 60G05		
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. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

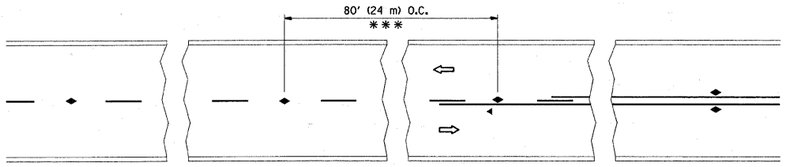
FILE NAME = c:\pw_work\PWIDOT\GALBANNB\d0121141\Dist5td.dgn	USER NAME = galbannb	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 2/10/2009	DATE - 06-89	REVISED -T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

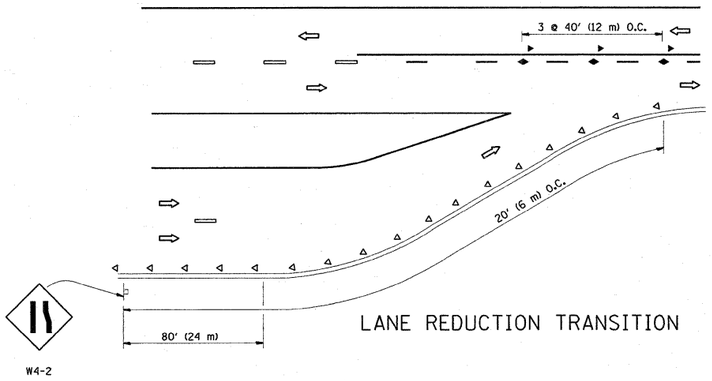
SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	536 RS-3	WILL	32	26
	TC-10	CONTRACT NO. 60G05		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

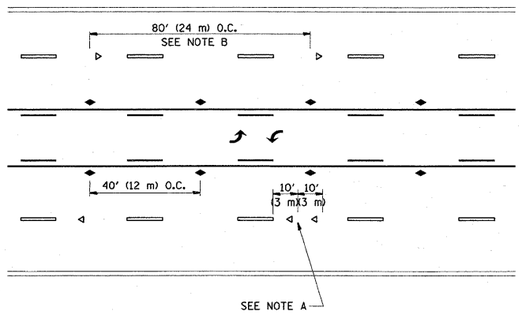


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

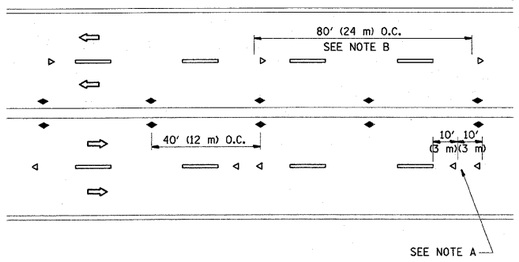
TWO-LANE/TWO-WAY



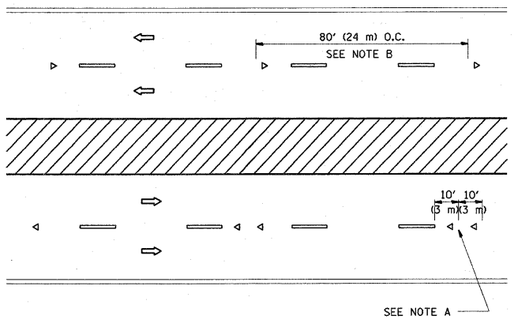
LANE REDUCTION TRANSITION



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.

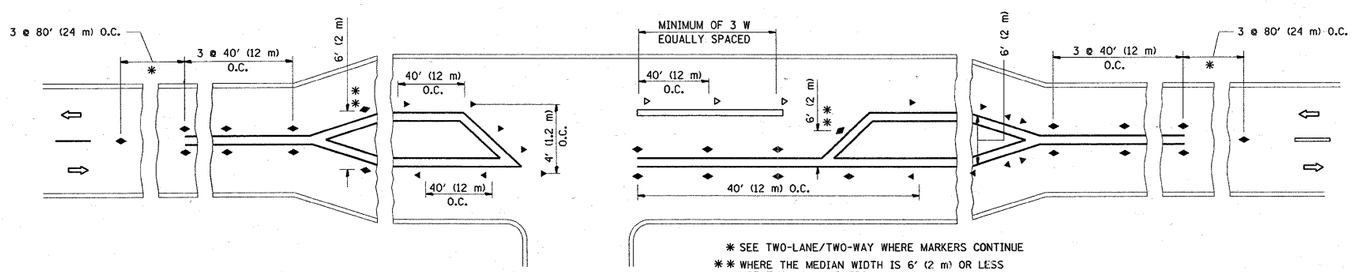
SYMBOLS

- 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.



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

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

LEFT TURN

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.

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

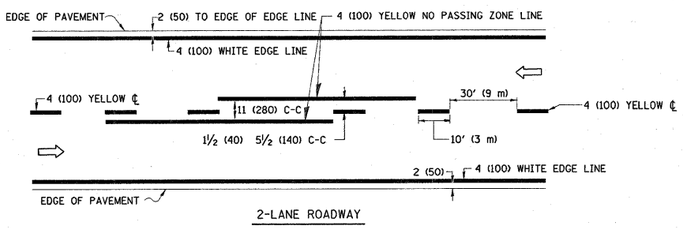
FILE NAME = c:\pw_work\PWIDOT\GALBANNB\d0121141\Dist6td.dgn	USER NAME = galbannb	DESIGNED -	REVISED -T. RAMMACHER 09-19-94
		DRAWN -	REVISED -T. RAMMACHER 03-12-99
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -T. RAMMACHER 01-06-00
	PLOT DATE = 2/10/2009	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

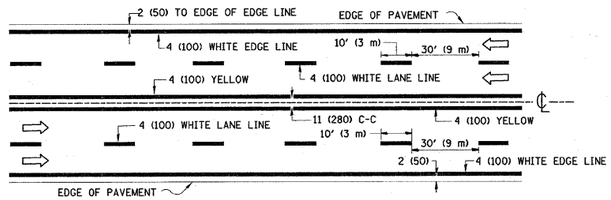
TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

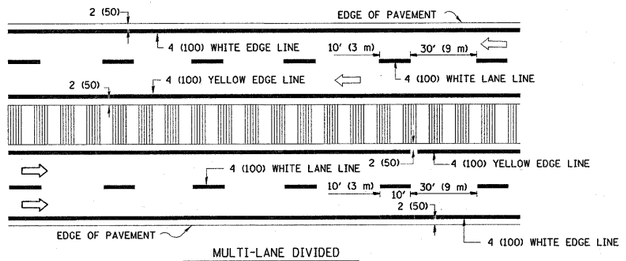
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	536 RS-3	WILL	32	27
	TC-11	CONTRACT NO. 60G05		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



2-LANE ROADWAY



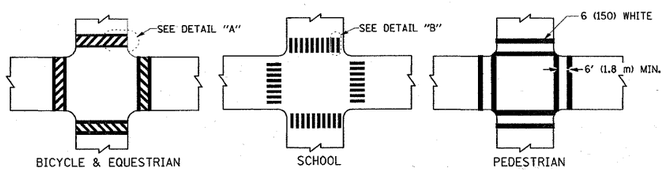
MULTI-LANE UNDIVIDED

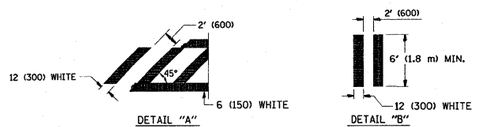


MULTI-LANE DIVIDED
WITH MOUNTABLE MEDIAN

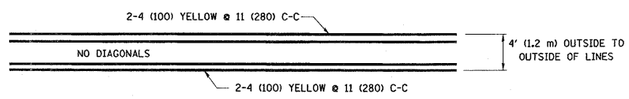
NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

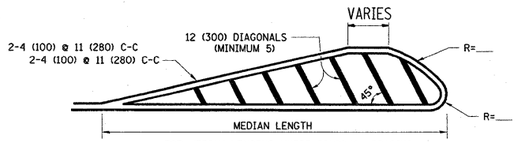




TYPICAL CROSSWALK MARKING



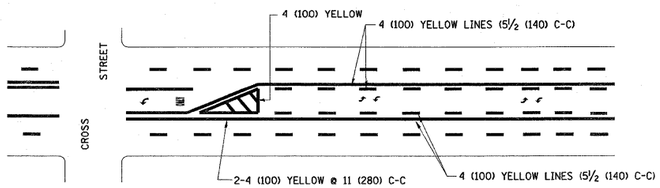
4' (1.2 m) WIDE MEDIANS ONLY



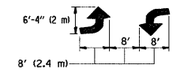
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

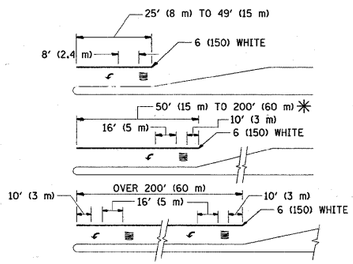


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED. WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

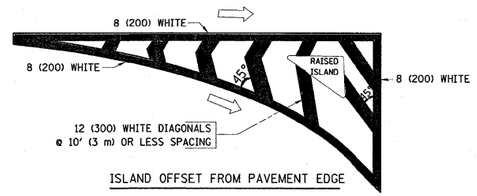


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

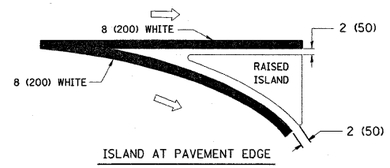
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVEDED PAVEMENT	2 ø 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 ø 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (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 ø 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; 5½ (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 ø 6 (150) 12 (300) ø 45° 12 (300) ø 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 ø 4 (100) WITH 12 (300) DIAGONALS ø 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 ø 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 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
SHOULDER DIAGONALS	12 (300) ø 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.

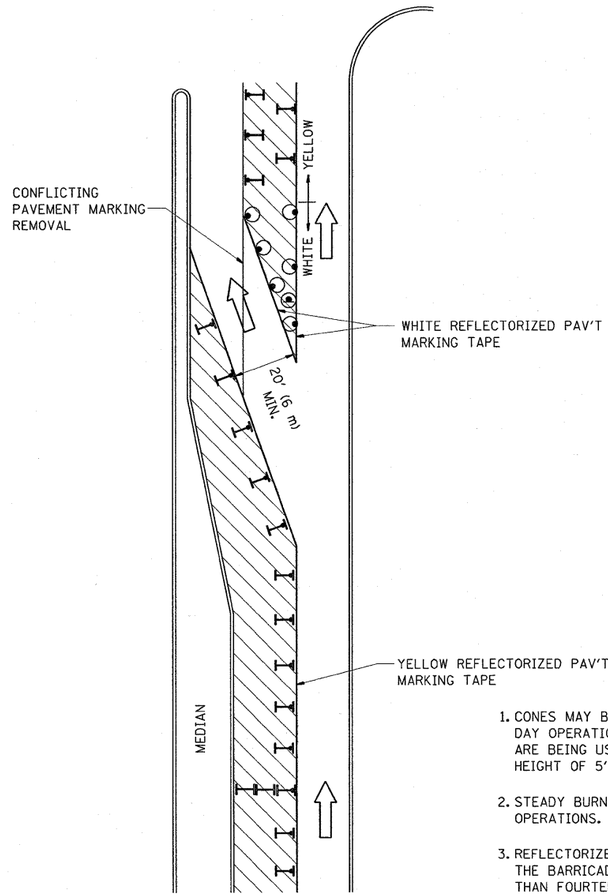
FILE NAME = c:\pw_work\PWIDOT\GALBANNB\d0121141\Dist5td.dgn	USER NAME = galbannb	DESIGNED - EVERS	REVISED -T. RAMMACHER 10-27-94
		DRAWN -	REVISED -A. HOUSEH 10-09-96
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -A. HOUSEH 10-17-96
	PLOT DATE = 2/10/2009	DATE - 03-19-90	REVISED -T. RAMMACHER 01-06-00

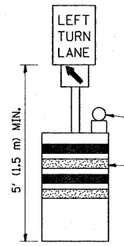
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	536 RS-3	WILL	32	28
	TC-13	CONTRACT NO. 60G05		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





R 3-I100L 24 x 24 (600 x 600)

M6-2L 21 x 15 (530 x 380)

OPTIONAL FLASHING LIGHT

STANDARD 702001
DRUM FILLED WITH ENOUGH
SAND (BAGS) FOR STABILIZATION

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.

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

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

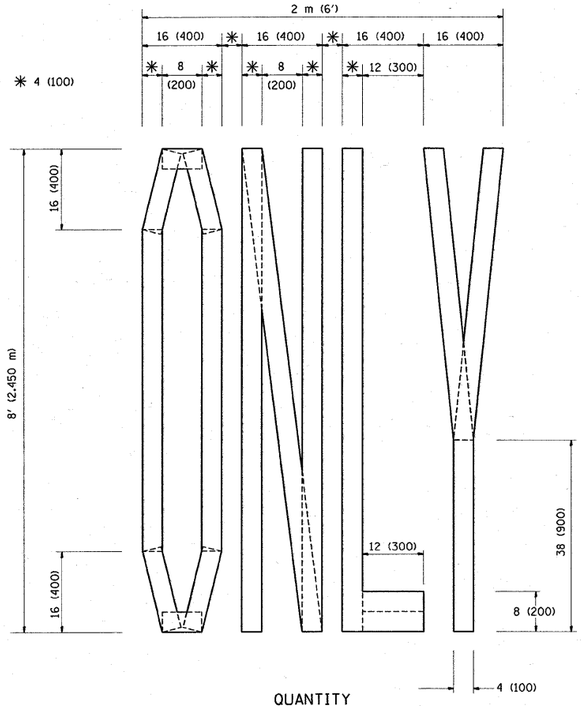
FILE NAME = c:\pw_work\PWIDOT\GALBANNB\d0121141\Dist5td.dgn	USER NAME = galbannb	DESIGNED -	REVISED -T. RAMMACHER 09-08-94
		DRAWN -	REVISED - A. HOUSEH 11-07-95
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - A. HOUSEH 10-12-96
	PLOT DATE = 2/10/2009	DATE -	REVISED -T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

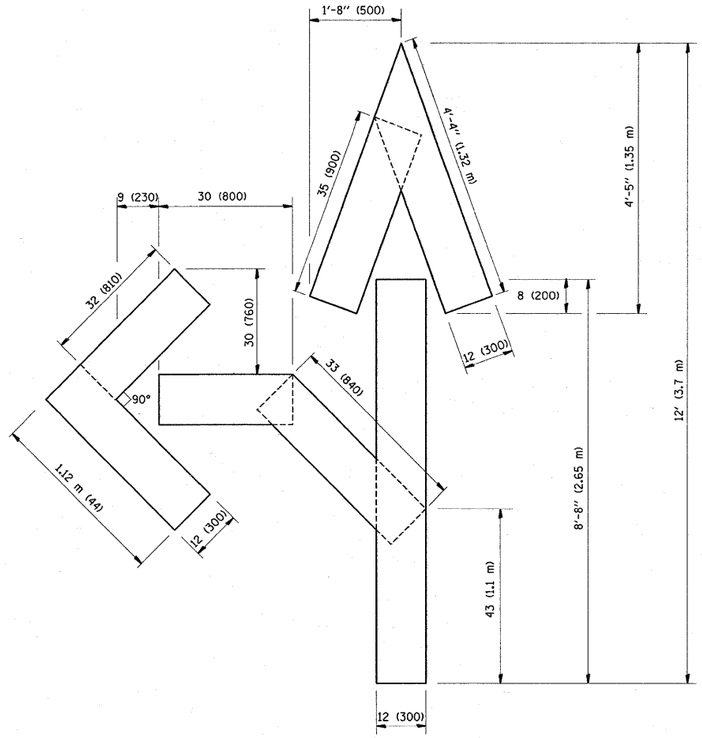
TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)

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

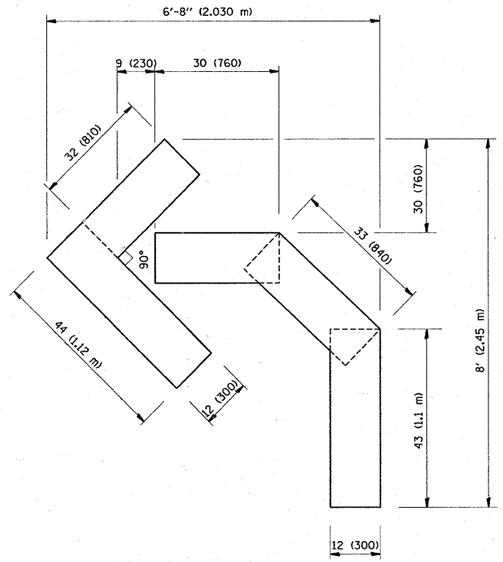
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	536 RS-3	WILL	32	29
	TC-14	CONTRACT NO. 60605		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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.

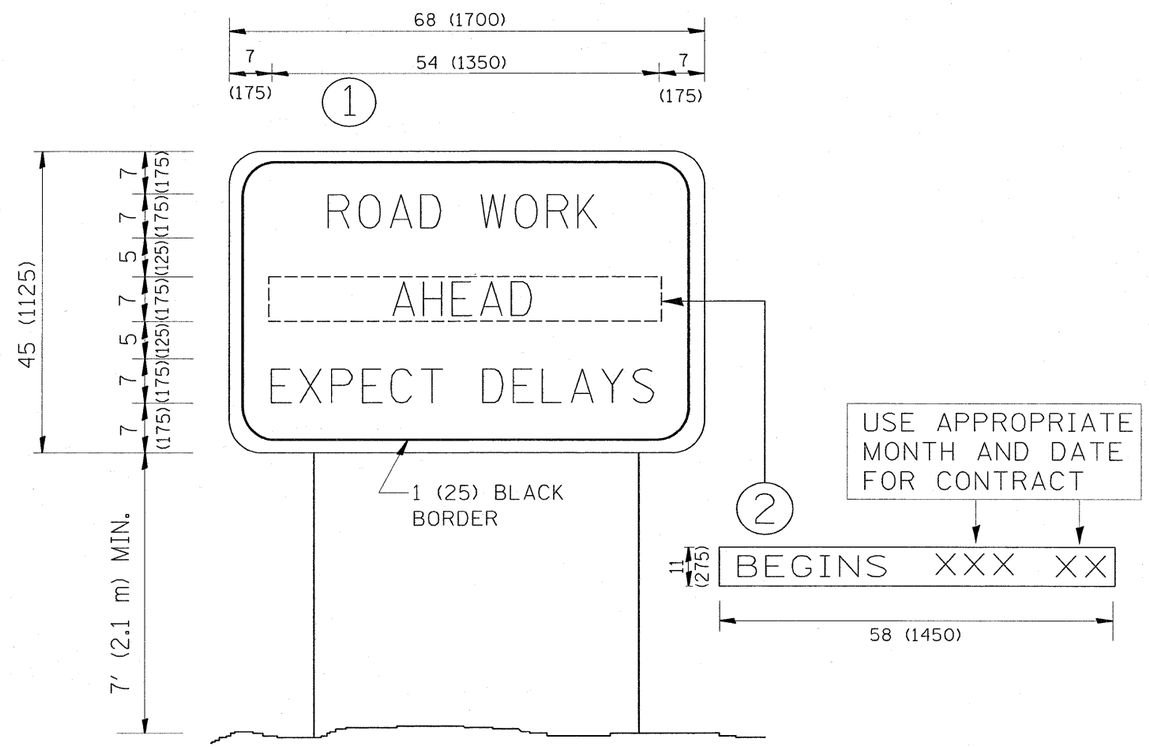
FILE NAME = c:\pw_work\PWIDOT\GALBANNB\d0121141\Dist8std.dgn	USER NAME = galbannb	DESIGNED -	REVISED -T. RAMMACHER 06-05-96
		DRAWN -	REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 2/10/2009	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

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.
531	536 RS-3	WILL	32	30
	TC-16	CONTRACT NO. 60G05		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



NOTES:

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

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

FILE NAME = c:\pw_work\PWIDOT\GALBANNB\d0121141\Dist5td.dgn	USER NAME = galbannb	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -T. RAMMACHER 02-02-99
	PLOT DATE = 2/10/2009	DATE -	REVISED - C. JUCIUS 01-31-07

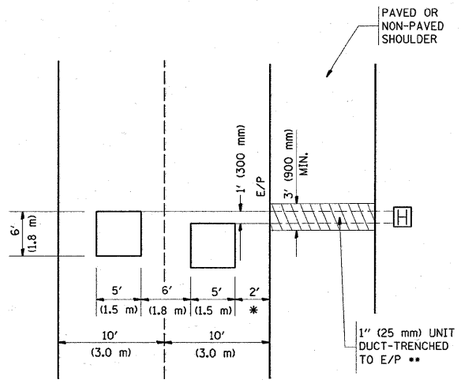
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
INFORMATION SIGN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	536 RS-3	WILL	32	31
	TC-22	CONTRACT NO. 60G05		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

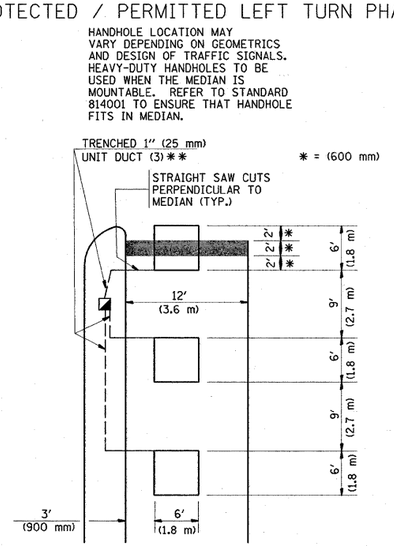
LOOPS NEXT TO SHOULDERS



* = (600 mm)

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

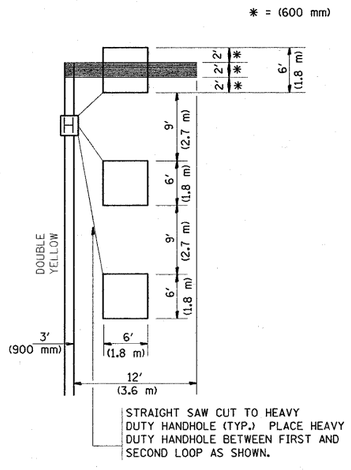
LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)



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

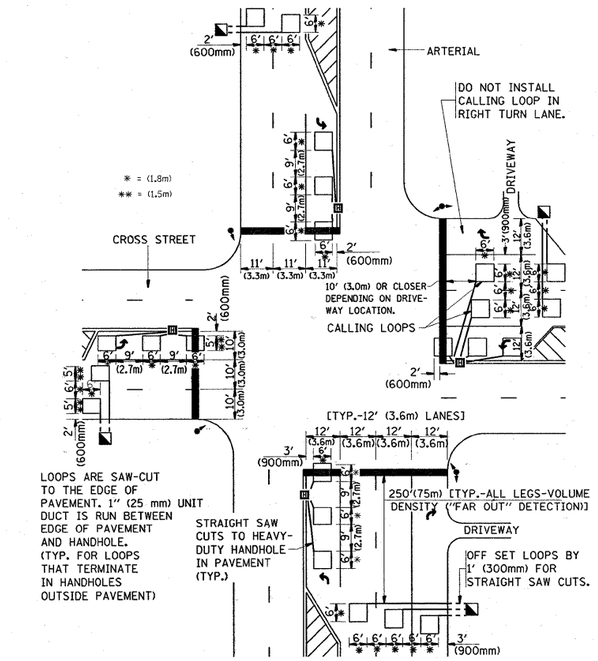
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



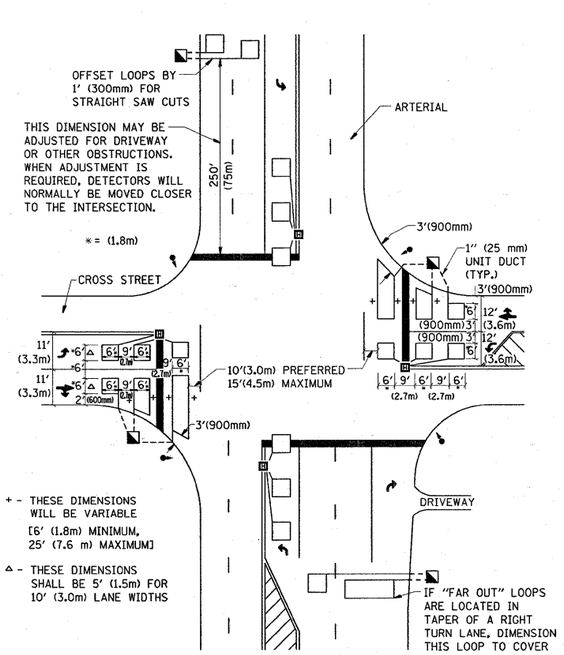
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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 SEPARATLY. 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 = c:\pw_work\PWIDOT\GALBANNB\d0121141\Dist1std.dgn	USER NAME = galbannb	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - R.K.F.	REVISED -
	PLOT DATE = 2/10/2009	DATE -	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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
531	536 RS-3	WILL	32	32
	TS-07	CONTRACT NO. 60G05		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		