

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(17, 40)M-3	WINNEBAGO	17	1

long section number  
multiple county names

D92-082-11



LOCATION OF SECTION INDICATED THUS: - [shaded box]

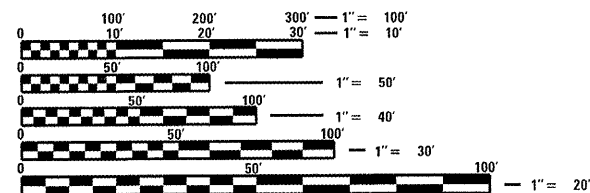
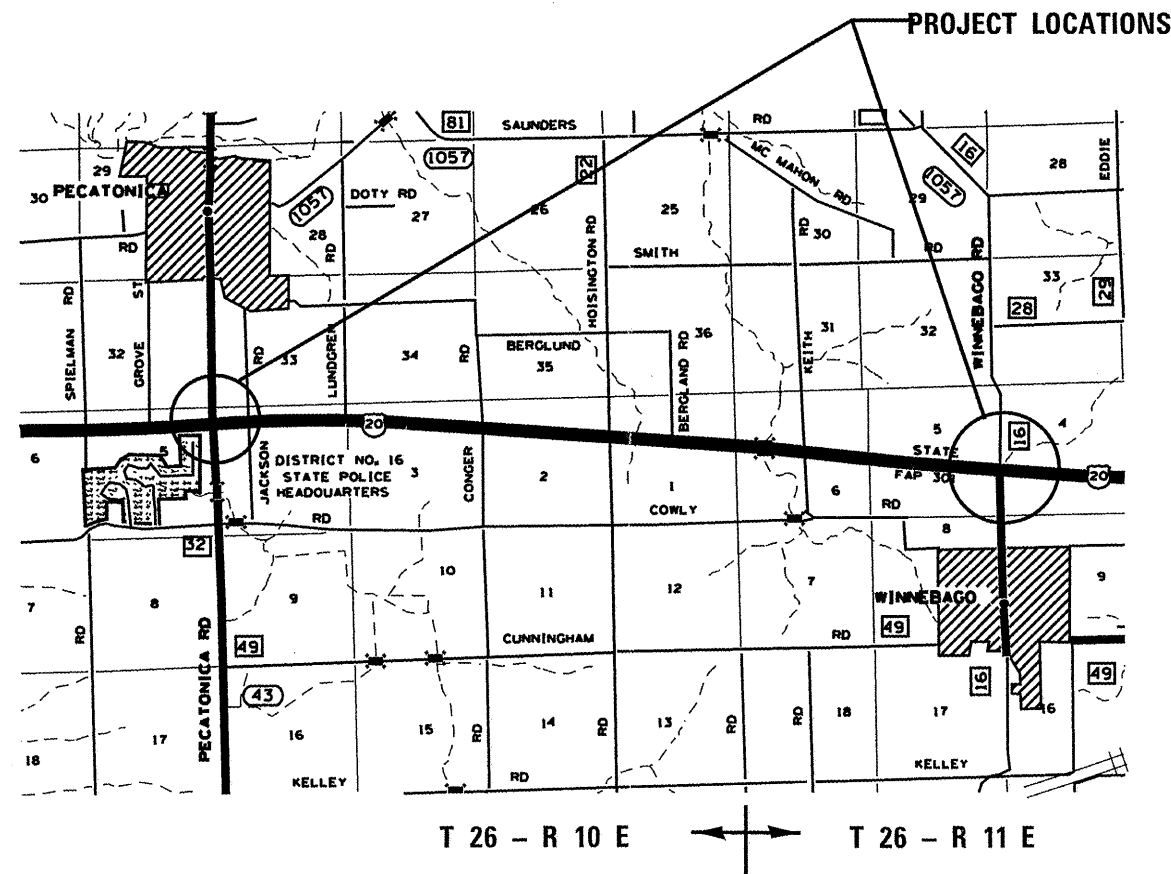
INDEX OF SHEETS

- 1 COVER SHEET & INDEX OF SHEETS
- 2 SUMMARY OF QUANTITIES
- 3 GENERAL NOTES & UTILITIES
- 4-7 PLAN SHEETS
- 8-13 PAVEMENT MARKING DETAIL
- 14-17 DISTRICT STANDARD 41.1

- 701106-2 OFF ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5m) AWAY
- 701101-02 OFF ROAD OPERATIONS MULTILANE, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
- 701400-05 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701406-06 LANE CLOSURE FREEWAY/EXPRESSWAY
- 701426-04 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS FOR SPEEDS > 45 MPH
- 701901 TRAFFIC CONTROL DEVICES
- 701701-07 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 873001-02 TRAFFIC SIGNAL GROUNDING AND BONDING
- 814001-02 HANDHOLES

FAP ROUTE 301 (US 20)  
SECTION (17, 40)M-3  
PROJECT: *H5IP-0301(069)*  
TYPE of IMPROVEMENT  
WINNEBAGO COUNTY

C-92-123-11



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 SCOTT KULLERSTRAND *815-284-5468*  
PROJECT MANAGER KRISTINE HILL *815-284-5476*

CONTRACT NO. contract 64H15

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED *6/27/2011*

*[Signature]*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

*Aug 19 2011*  
*Scott E. Stitt, P.E., Ia*  
acting ENGINEER OF DESIGN AND ENVIRONMENT

*Aug 19 2011*  
*Christine M. Reed, Ia*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

90% FED.  
10% STATE  
0021

TABULATION OF QUANTITIES		UNIT	PECATONICA RD	WINNEBAGO RD	TOTAL QUANTITY
PAY COD	ITEM				
*60100074	SHOULDER REMOVAL AND REPLACEMENT 8"	FOOT	0	20	20
67100100	MOBILIZATION	L SUM	0.5	0.5	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	0.5	0.5	1
72000100	SIGN PANEL - TYPE I	SQ FT	8	0	8
72000200	SIGN PANEL - TYPE II	SQ FT	32	0	32
73000100	WOOD SIGN SUPPORT	FOOT	40	0	40
78000100	THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS	SQ FT	375	375	750
78000200	THERMOPLASTIC PAVEMENT MARKING LINE 4"	FOOT	1131	2636	3767
78000500	THERMOPLASTIC PAVEMENT MARKING LINE 8"	FOOT	1495	1646	3141
78000600	THERMOPLASTIC PAVEMENT MARKING LINE 12"	FOOT	275	476	751
78000500	THERMOPLASTIC PAVEMENT MARKING LINE 24"	FOOT	218	222	440
78300100	PAVEMENT MARKING REMOVAL	SQ FT	2207	3105	5312
81028720	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA.	FOOT	0	330	330
81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	0	1957	1957
81400700	HANDHOLE, PORTLAND CONCRETE CEMENT	EACH	0	2	2
81900200	TRENCH AND BACKFILL FOR ELECTRIC WORK	FOOT	0	10	10
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1	2
85700305	FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	0	1	1
86200200	UNINTERRUPTIBLE POWR SUPPLY, STANDARD	EACH	0	1	1
87301515	ELECTRIC CABLE IN CONDUIT, LEAD-IN NO 18 3PR	FOOT	0	243	243
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	0	724	724
87900200	DRILL EXISTING HANDHOLE	EACH	0	10	10
88500105	INDUCTIVE LOOP DETECTOR (SPECIAL)	EACH	0	19	19
88600100	DETECTOR LOOP, TYPE I	FOOT	0	104	104
88600400	DETECTOR LOOP, SPECIAL	FOOT	0	353	353
89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	0	1	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	0	1	1
X0323071	SPARE FULL ACTUATED CONTROLLER, SPECIAL	EACH	0	1	1
X0325469	MODIFY EXISTING TRAFFIC SIGNAL BACKPLATE	EACH	14	23	37
X8730300	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 12, 1 PAIR	FOOT	0	2038	2038

\*specialty items

FILE NAME *	USER NAME = h1111	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\\d2sr-u2\users\NILLK\Projects\us 28 p	c and winn 2011\64115.dgn	DRAWN -	REVISED -			301	(17, 40M-3	WINNEBAGO	17	2
PLOT SCALE = 41.348' / in.		CHECKED -	REVISED -			SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____		CONTRACT NO. 64015		ILLINOIS FED. AID PROJECT
PLOT DATE = Mon Jun 27 09:05:47 2011		DATE -	REVISED -							

**GENERAL NOTES:**

THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING IDOT TRAFFIC SIGNAL AND LIGHTING ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK AT HIS/HER OWN EXPENSE IF REQUIRED. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO FACILITIES RESULTING FROM INACCURATE LOCATING.

THE CONTRACTOR SHALL ALSO OBTAIN, ON REQUEST, PLANS FOR THE EXISTING ELECTRICAL FACILITIES FROM THE DEPARTMENT.

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR LOCATING AND PROVIDING PROTECTION FOR FACILITIES DURING ALL PHASES OF CONSTRUCTION. IF AT ANY TIME, THE FACILITIES ARE DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DEPARTMENT AND MAKE ALL NECESSARY ARRANGEMENTS FOR REPAIR TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE CONTRACT BID PRICE.

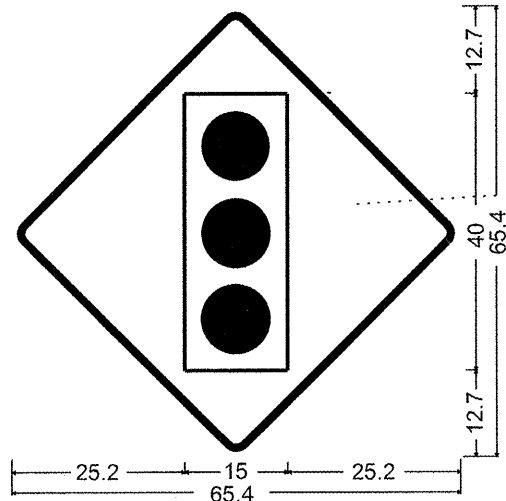
THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123. THE FOLLOWING LISTED UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE MEMBERS OF JULIE:

**UTILITIES**

NAME	TYPE	TELEPHONE	JULIE MEMBER
MR. MICHAEL LENOX COMMONWEALTH EDISON COMPANY 123 ENERGY AVE ROCKFORD, IL 61109	ELECTRIC	815-490-2869	YES 800-892-0123
MR. KALIN HINSHAW FRONTIER 112 W ELM STREET SYCAMORE, IL 60178	TELEPHONE	815-895-1515	YES 800-892-0123
MS. CONSTANCE LANE NICOR GAS CO 1844 FERRY ROAD NAPERVILLE IL 60563-9600	GAS	630-983-8676	YES 800-892-0123
MR. MIKE OWENS COMCAST 4450 KISHWAUKEE ST ROCKFORD, IL 61109	CATV	815-395-8977	YES 800-892-0123
MR. MATT FORGAS MEDIACOM 808 E NORTH STREET ELBURN IL 60119	CATV	630-365-0045	YES 800-892-0123

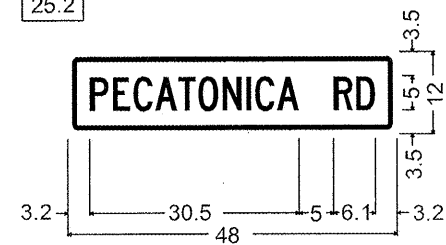
CADD DATA WILL BE AVAILABLE TO CONTRACTORS AND CONSULTANTS WORKING ON THE PROJECT. THIS INFORMATION WILL BE PROVIDED UPON REQUEST AS MICROSTATION CADD FILES AND GEOPAK COORDINATE GEOMETRY FILES ONLY. IF DATA IS REQUIRED IN OTHER FORMATS IT WILL BE YOUR RESPONSIBILITY TO MAKE THESE CONVERSIONS. IF ANY DISCREPANCY OR INCONSISTENCY ARISES BETWEEN THE ELECTRONIC DATA AND THE INFORMATION ON THE HARD COPY, THE INFORMATION ON THE HARD COPY SHOULD BE USED. CONTACT THE DISTRICT'S PROJECT ENGINEER TO REQUEST THESE FILES.

FILE NAME = P:\Projects\us 20 pec and win 2011\6411	USER NAME = h11k1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES & UTILITIES	F.A.R. RTE. 301	SECTION (17, 40M-3)	COUNTY WINNEBAGO	TOTAL SHEETS 17	SHEET NO. 3
PLOT SCALE = 1/8" = 1' in.	CHECKED -	REVISED -	SCALE: _____ SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____			ILLINOIS FED. AID PROJECT				
PLOT DATE = Fri Jun 24 13:19:14 2011	DATE -	REVISED -								



W3-3 SPECIAL;  
 48.0" across sides 3.0" Radius, 1.3" Border, 0.8"  
 Indent, Black on Yellow;  
 Table of letter and object lefts.

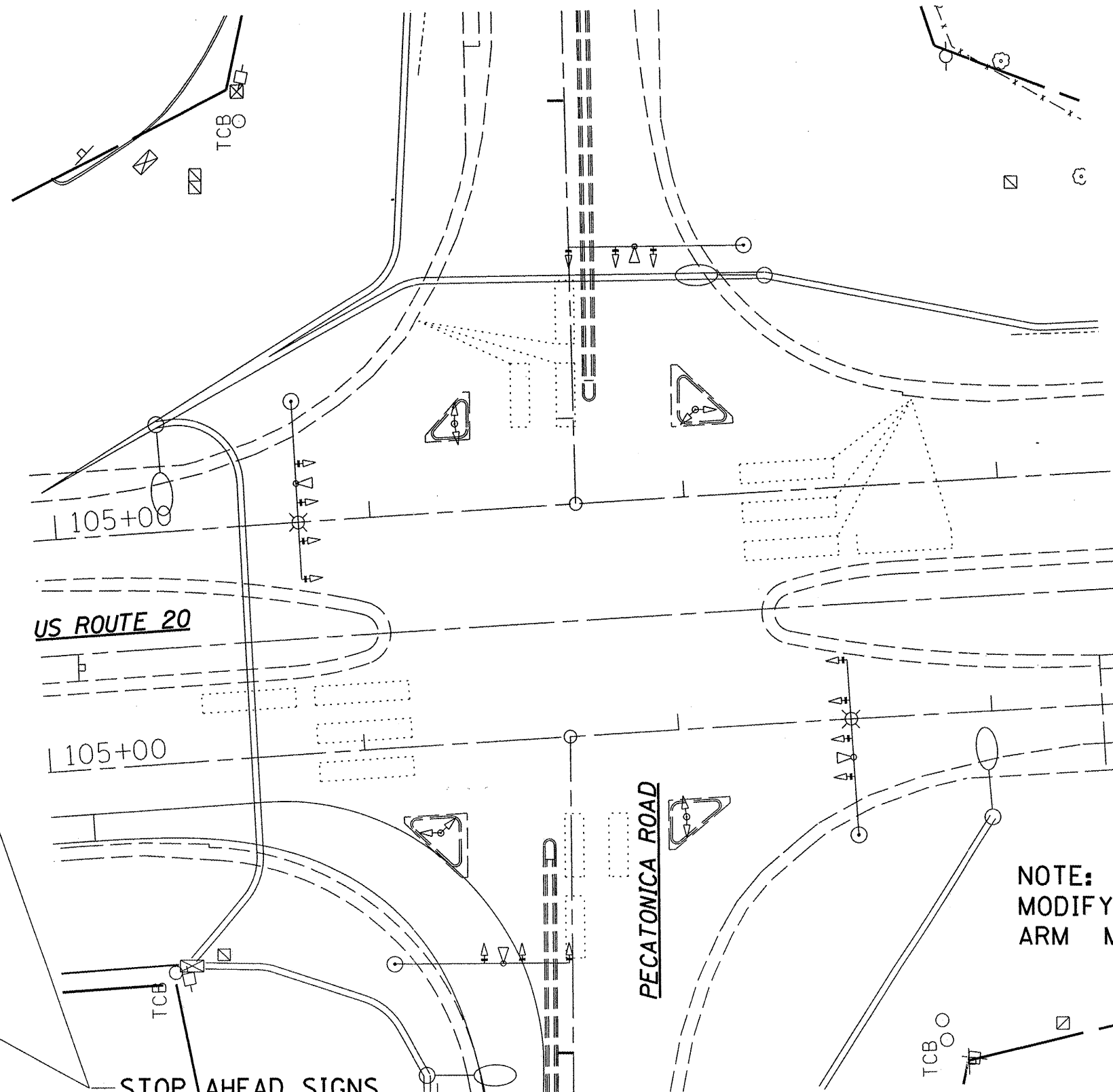
█	25.2
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Pecatonica Rd;  
 1.5" Radius, 0.8" Border, 0.6" Indent, Black on Yellow;  
 [PECATONICA RD] C 2K 60% spacing;  
 Table of letter and object lefts.

P	E	C	A	T	O	N	I	C	A
3.2	6.6	9.6	12.7	16.1	19.0	22.6	26.0	27.3	30.5

R	D
38.7	42.0



NOTE:  
 MODIFY 14 EXISTING MAST  
 ARM MOUNTED BACKPLATES

STOP AHEAD SIGNS  
 AT A LOCATION DETERMINED BY THE RE

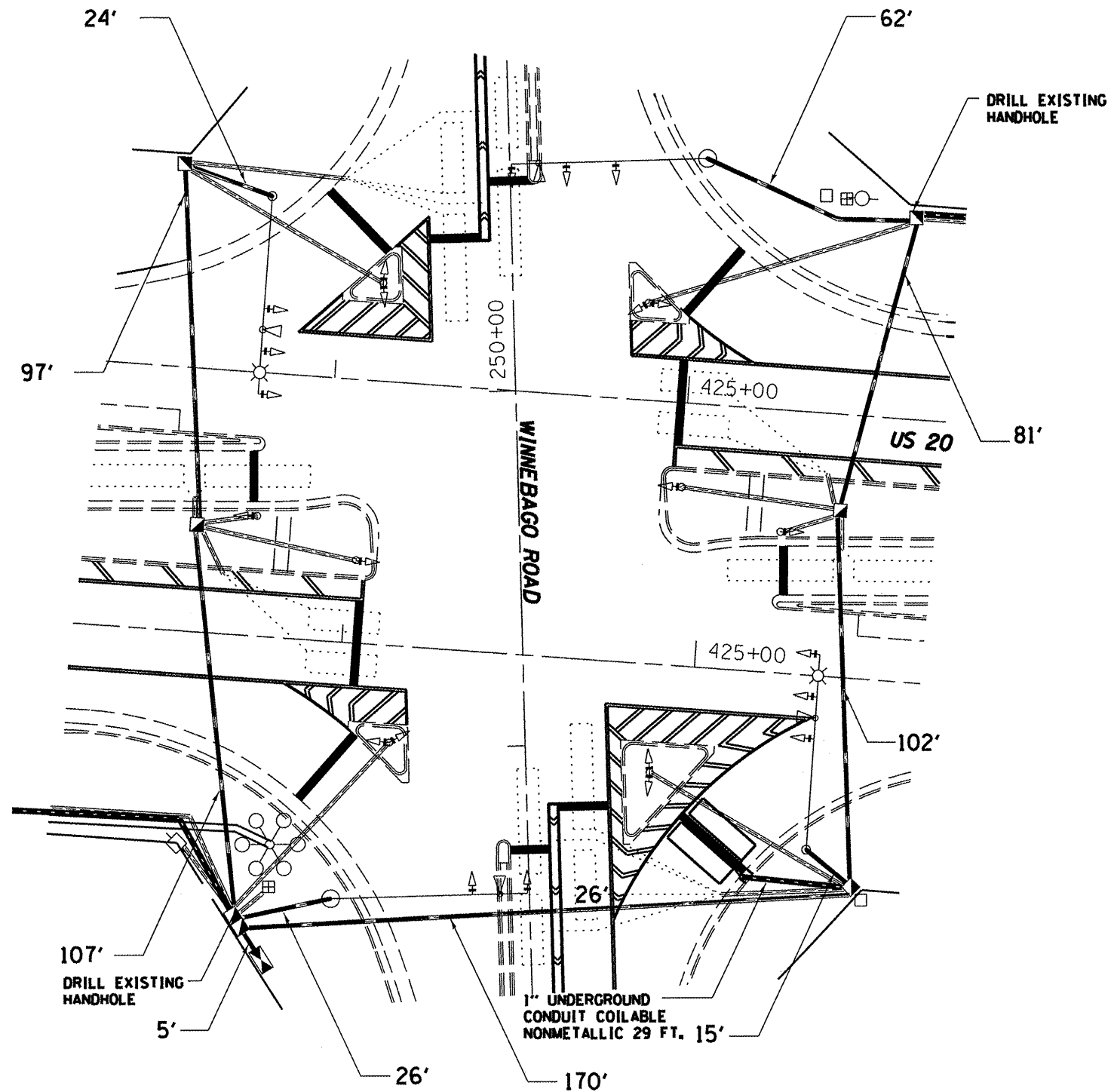
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P:\Projects\us 20 pec and winn 2011\6411.dgn		DRAWN -	REVISED -
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	PLOT DATE = Fri Jun 24 13:19:31 2011	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

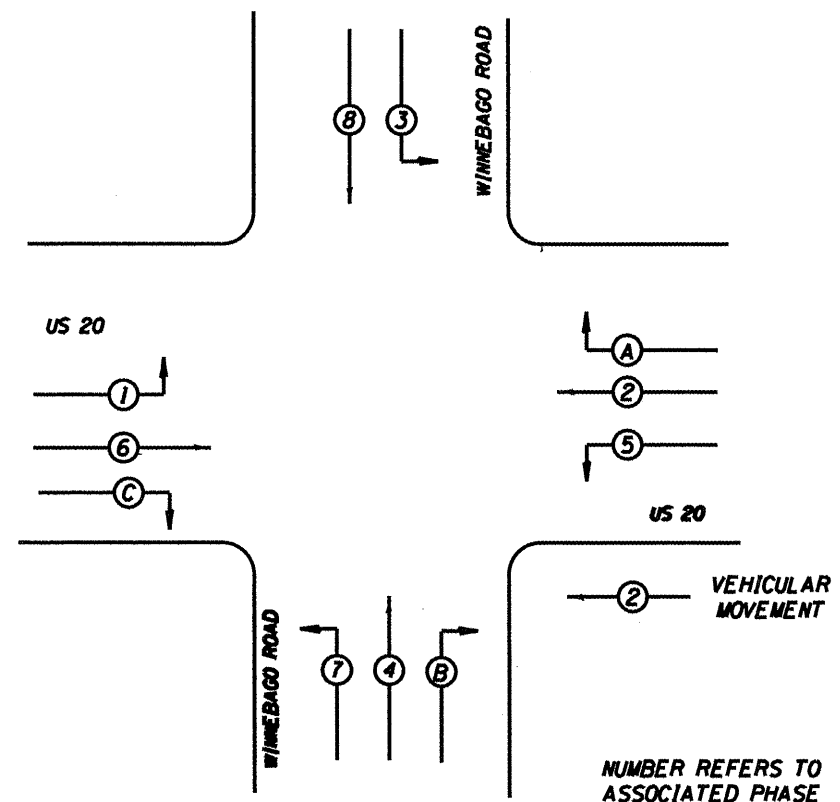
US 20 AT PECATONICA RD  
 PLAN SHEET

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

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(17, 40M-3	WINNEBAGO	17	4
CONTRACT NO. 64015			ILLINOIS FED. AID PROJECT	



PHASE DESIGNATION DIAGRAM



REFER TO STANDARD 857001

NOTE

1. PHASES 1 & 5 ARE PROTECTED PHASES ONLY
2. THERE ARE FOUR(4) SEPERATE EMERGENCY PREEMPTS.

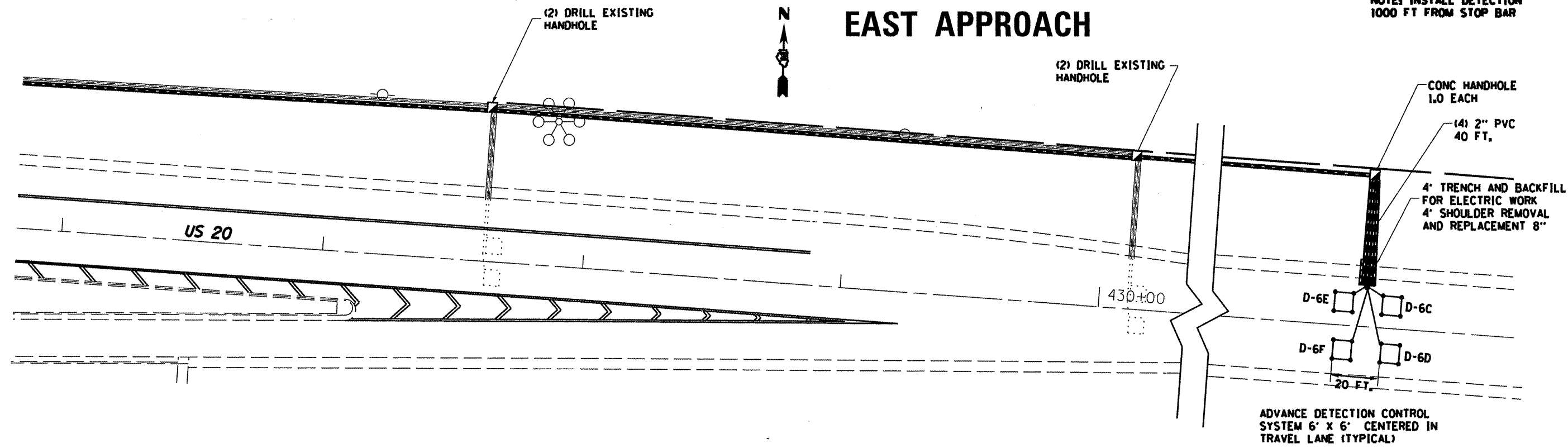
NOTE:

1. MODIFY 11 MAST ARM MOUNTED EXISTING BACKPLATES
2. MODIFY 10 POST MOUNTED EXISTING BACKPLATES
3. INSTALL GREEN GROUND CONDUCTOR IN EXISTING CONDUIT
4. INSTALL DETECTION CONTROL SYSTEM
5. REMOVE AND REPLACE CONTROLLER CABINET

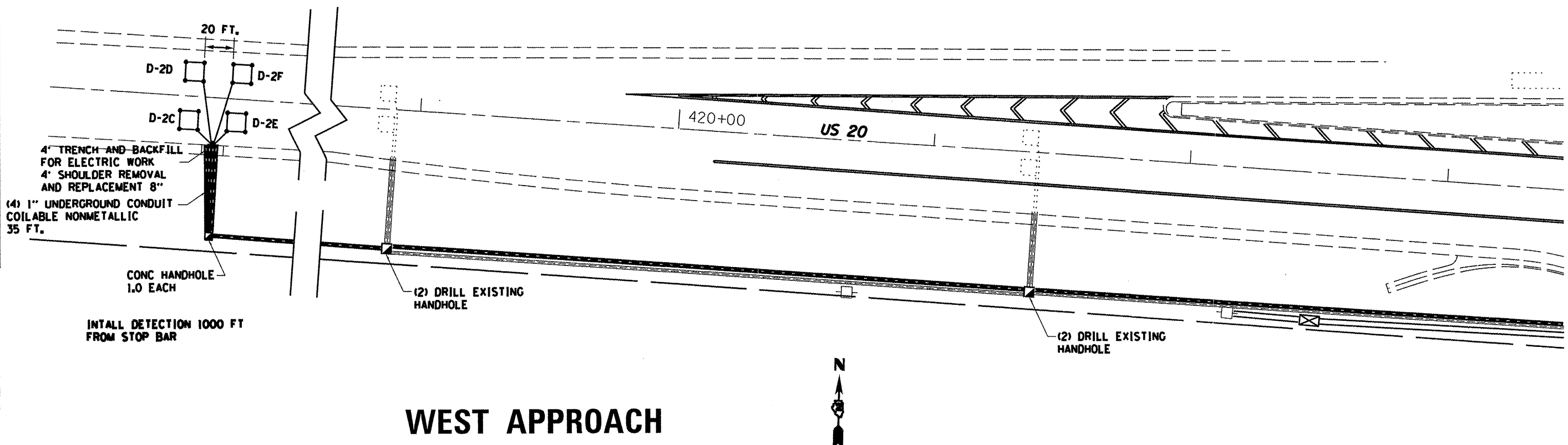
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P:\Projects\us 20 pec and winn 2011\6415.dgn		DRAWN -	REVISED -		PLAN SHEET		301	117, 40M-3	WINNEBAGO	17	5
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PLOT DATE = Fri Jun 24 13:19:40 2011		DATE -	REVISED -		ILLINOIS FED. AID PROJECT						

NOTE: INSTALL DETECTION 1000 FT FROM STOP BAR

# EAST APPROACH



ADVANCE DETECTION CONTROL SYSTEM 6' x 6' CENTERED IN TRAVEL LANE (TYPICAL)



# WEST APPROACH

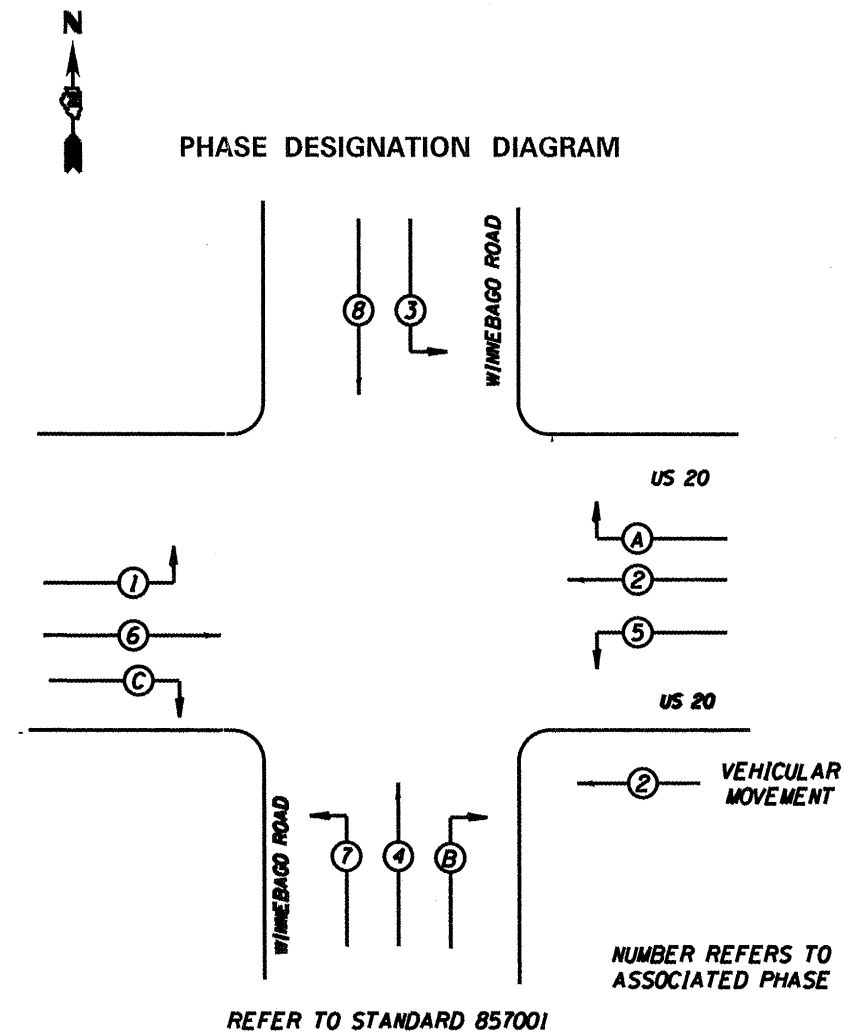
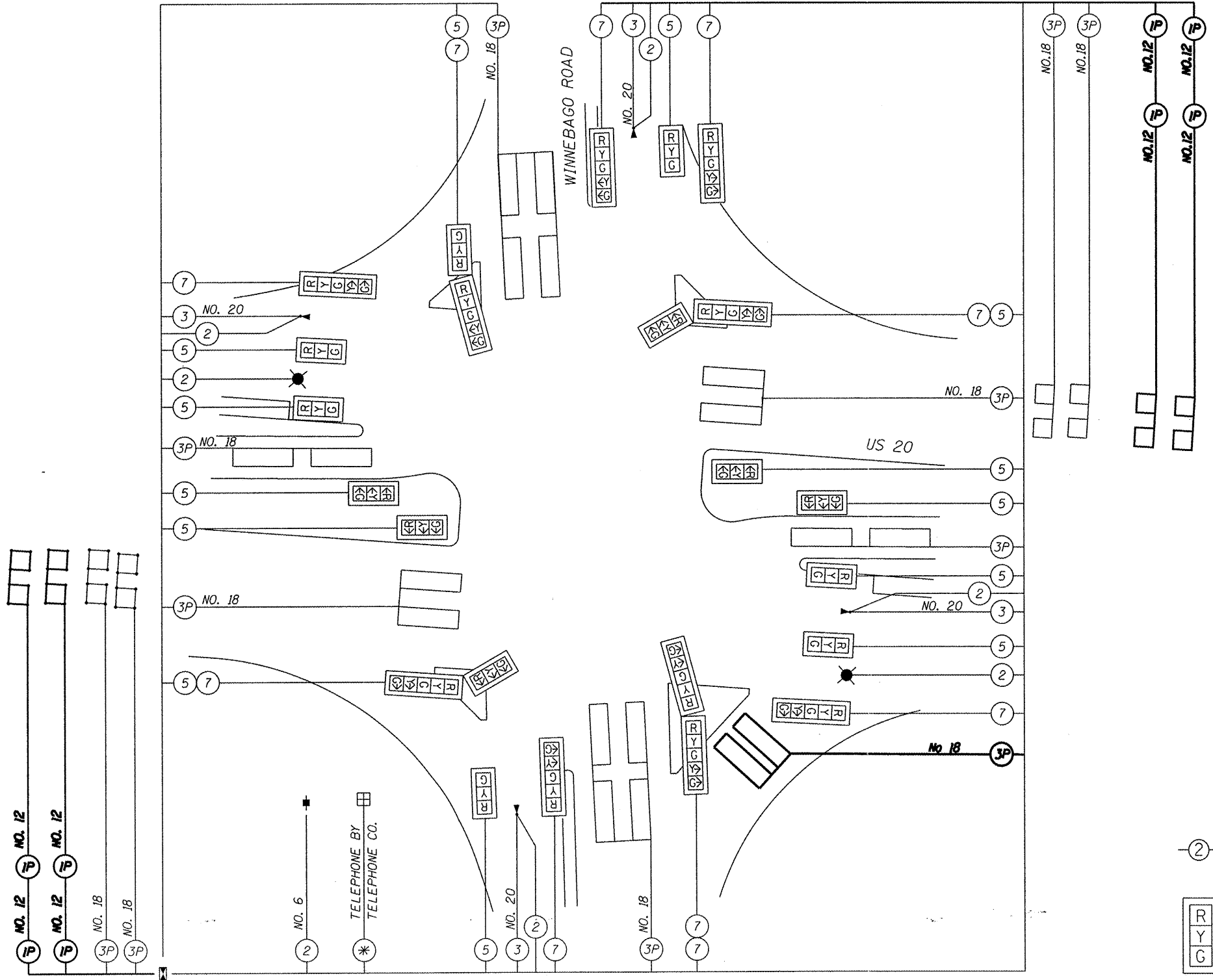
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

US 20 AT WINNEBAGO RD CABLE	
DETAIL PLAN SHEET	
SCALE: _____	SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____

F.A.B. RTE. 301	SECTION (17, 40M-3)	COUNTY WINNEBAGO	TOTAL SHEETS 17	SHEET NO. 10
CONTRACT NO. 64H15			ILLINOIS FED. AID PROJECT	

# CABLE PLAN



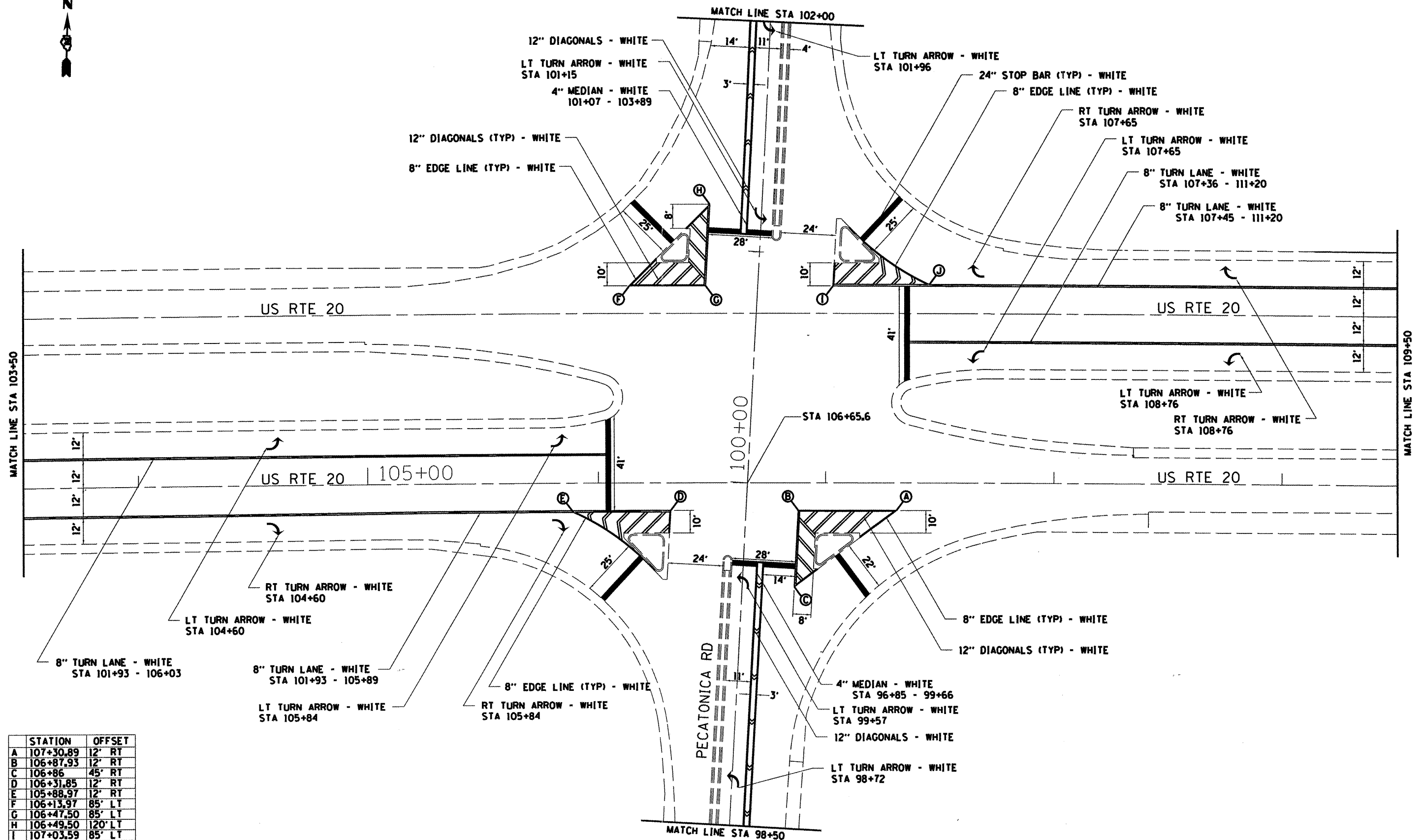
NOTE  
 1. PHASES 1 & 5 ARE PROTECTED PHASES ONLY  
 2. THERE WILL BE FOUR(4) SEPERATE EMERGENCY PREEMPTS.

- LEGEND**
- (2) INDICATES NUMBER OF NEW CONDUCTORS. ALL CABLE IS NO. 14 EXCEPT AS INDICATED. "P" INDICATES PAIR CABLE
  - RYG NEW SIGNAL HEAD WITH OR WITHOUT BACKPLATE
  - ⚡ OPTICAL DETECTOR WITH CONFIRMATION BEACON
  - ⊗ STROBE LIGHT - WHITE

FILE NAME = P:\Projects\us 20 pec and winn 2011\6411.dgn	USER NAME = hllkl	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>US 20 AT WINNEBAGO RD CABLE DETAIL PLAN SHEET</b>		F.A.B. RTE. 301	SECTION (17, 40M-3)	COUNTY WINNEBAGO	TOTAL SHEETS 7	SHEET NO. 7	
	PLOT SCALE = 41,809' / 1"	DRAWN -	REVISED -		SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	ILLINOIS FED. AID PROJECT				
	PLOT DATE = Fri Jun 24 13:20:02 2011	CHECKED -	REVISED -		CONTRACT NO. 64015							
		DATE -	REVISED -									



# THERMOPLASTIC PAVEMENT MARKING DETAILS



FILE NAME: P:\Projects\us 20 pec end winn 2011\6411.dgn  
 USER NAME: hllkl  
 PLOT SCALE: 41.089' / 1" = 1000'  
 PLOT DATE: Fri Jun 24 13:20:12 2011

DESIGNED: \_\_\_\_\_  
 DRAWN: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_

REVISED: \_\_\_\_\_  
 REVISED: \_\_\_\_\_  
 REVISED: \_\_\_\_\_  
 REVISED: \_\_\_\_\_

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

US 20 AT PECATONICA RD  
 PAVEMENT MARKING DETAILS

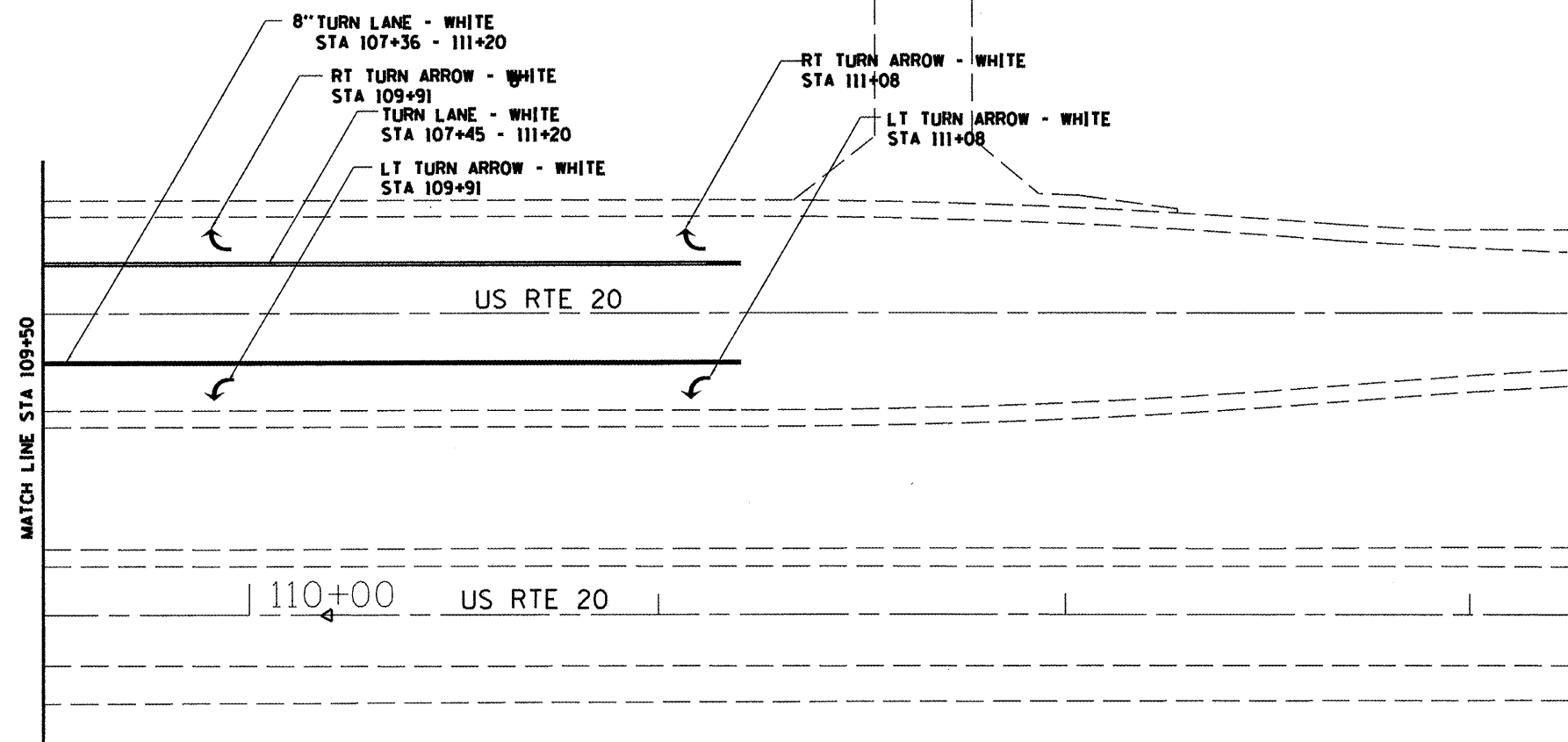
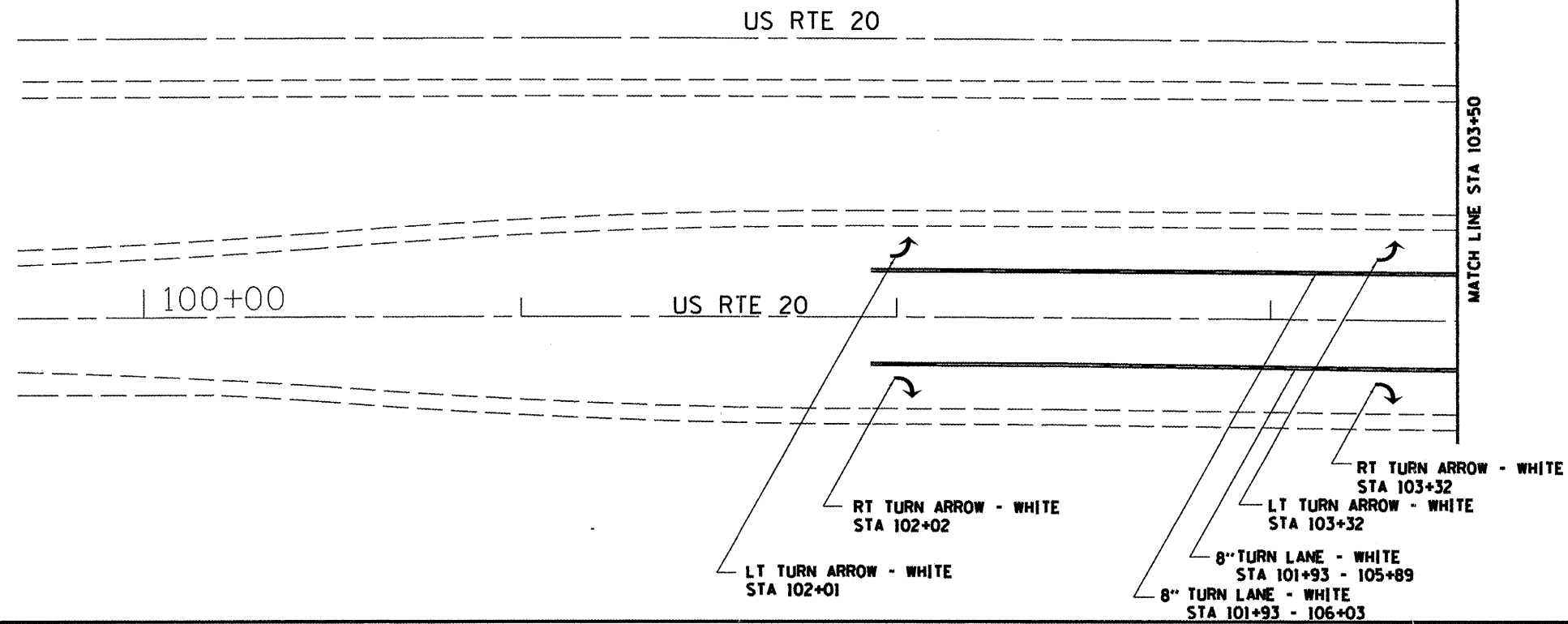
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F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(17, 40M-3)	WINNEBAGO	17	8

CONTRACT NO. 64915  
 ILLINOIS FED. AID PROJECT

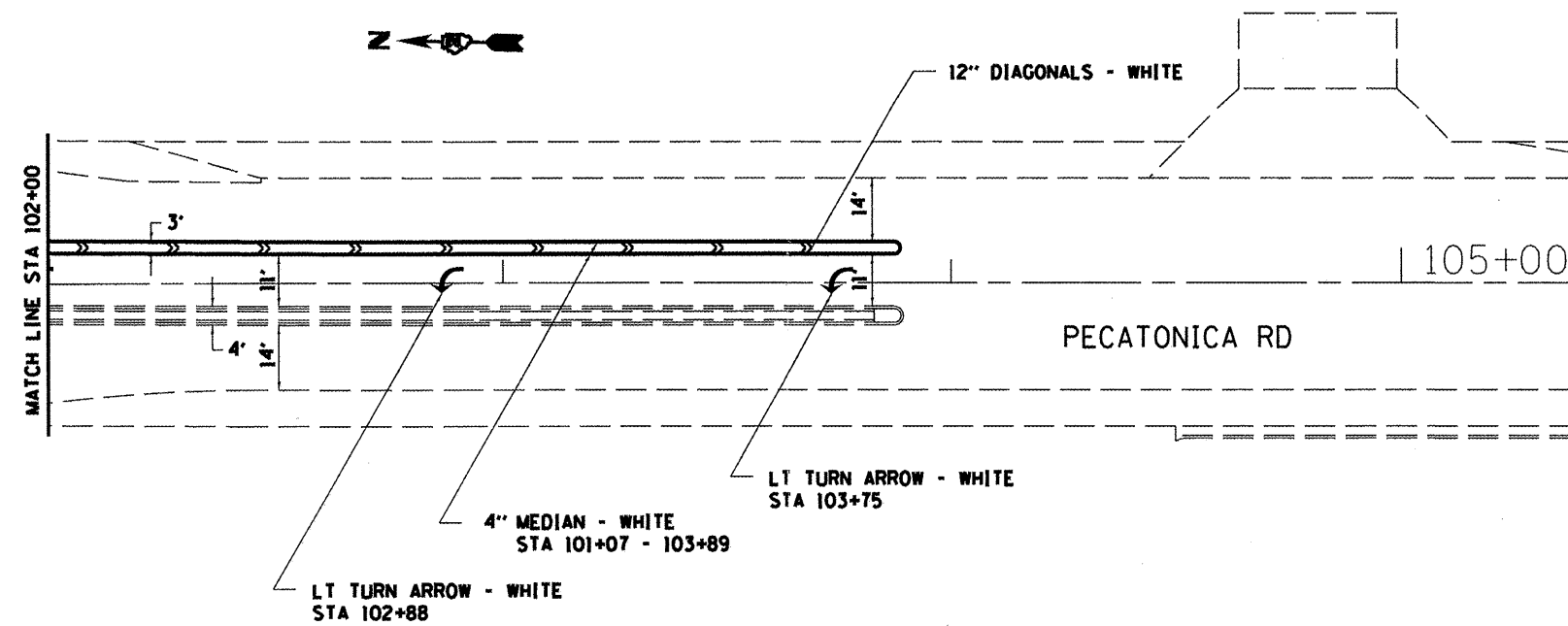
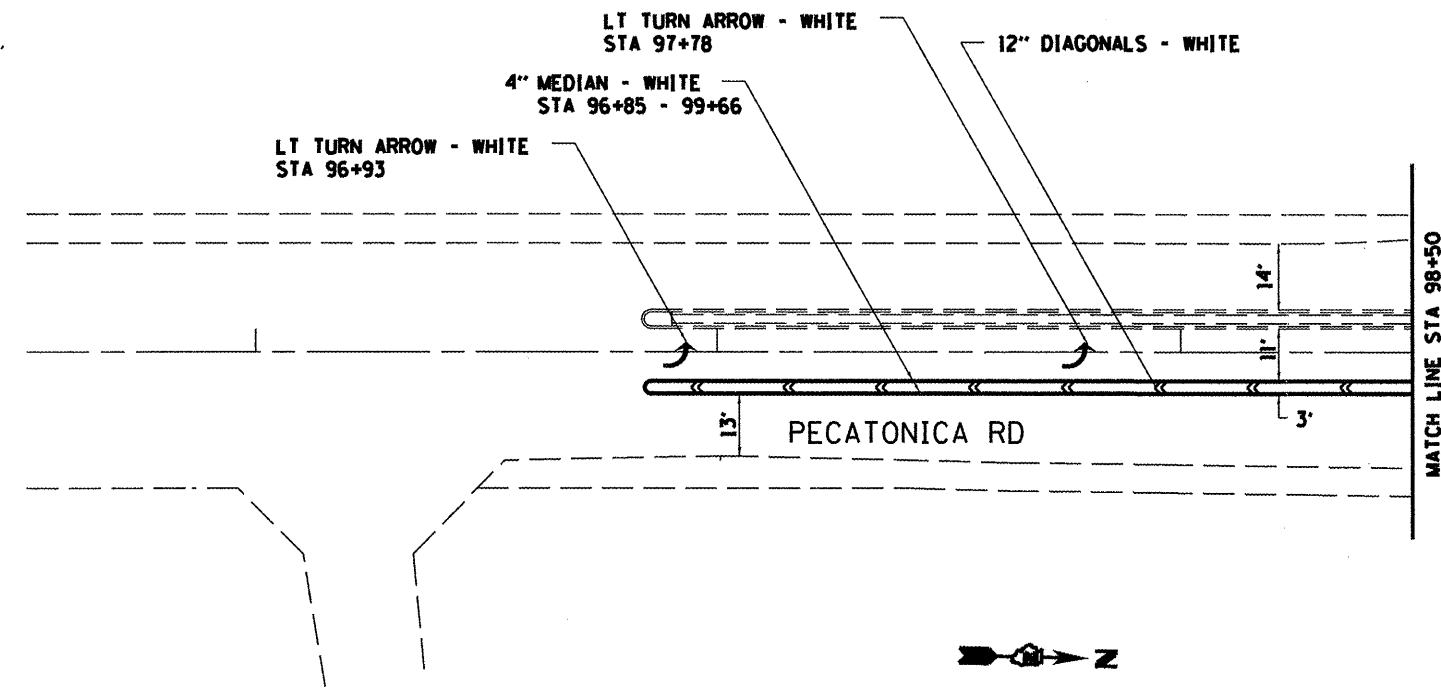


# THERMOPLASTIC PAVEMENT MARKING DETAILS



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	PLOT SCALE = 41.089' / in.	DRAWN -	REVISED -		SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	CONTRACT NO. 64015				
	PLOT DATE * Fri Jun 24 13:20:18 2011	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

# THERMOPLASTIC PAVEMENT MARKING DETAILS



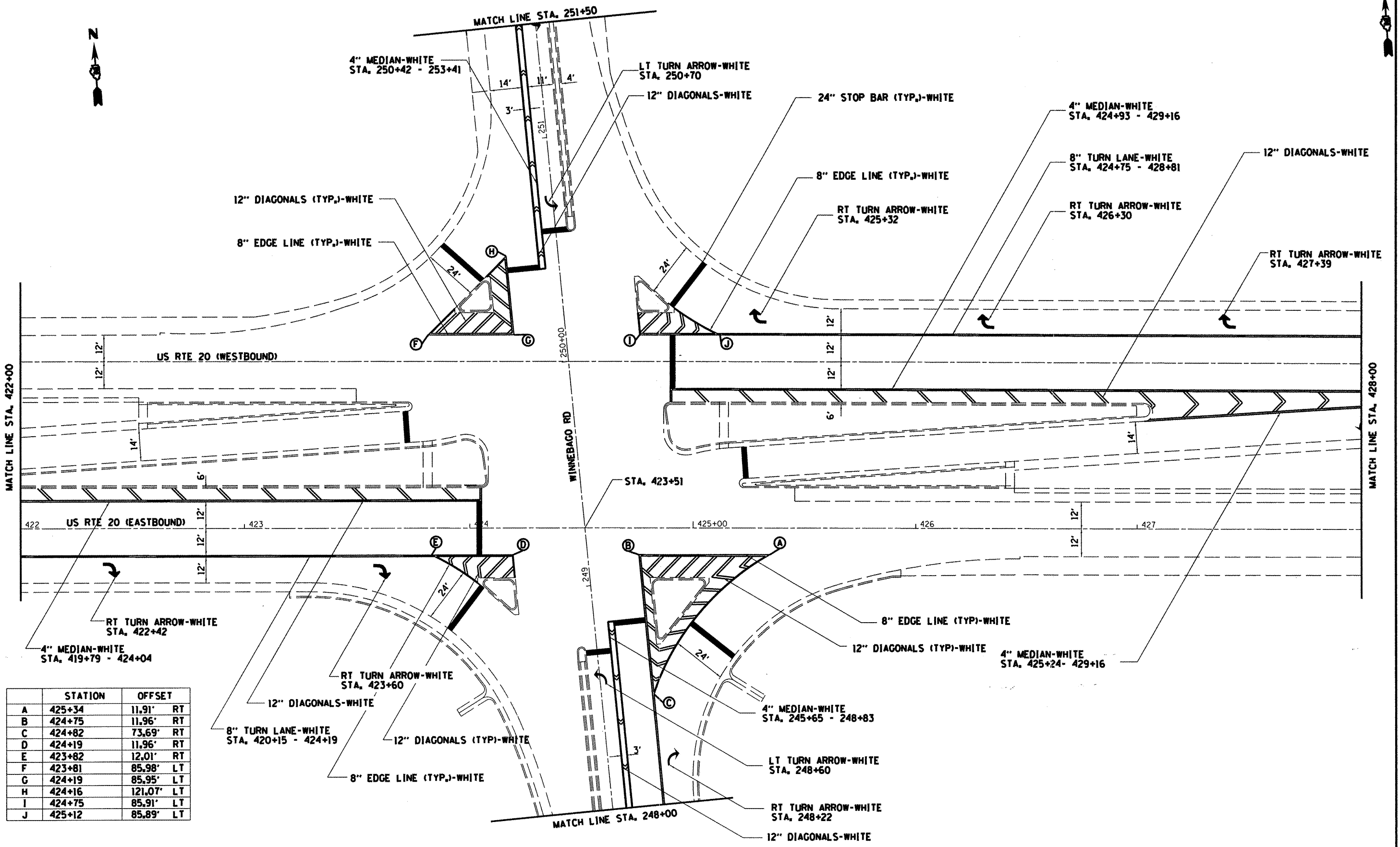
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		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

US 20 AT WINNEBAGO RD	
PAVEMENT MARKING DETAILS	
SCALE: _____	SHEET NO. _____ OF _____ SHEETS STA. _____ TO STA. _____

F.A.R. RTE. 301	SECTION (17, 40M-3	COUNTY WINNEBAGO	TOTAL SHEETS 17	SHEET NO. 10
CONTRACT NO. 64015				
ILLINOIS FED. AID PROJECT				

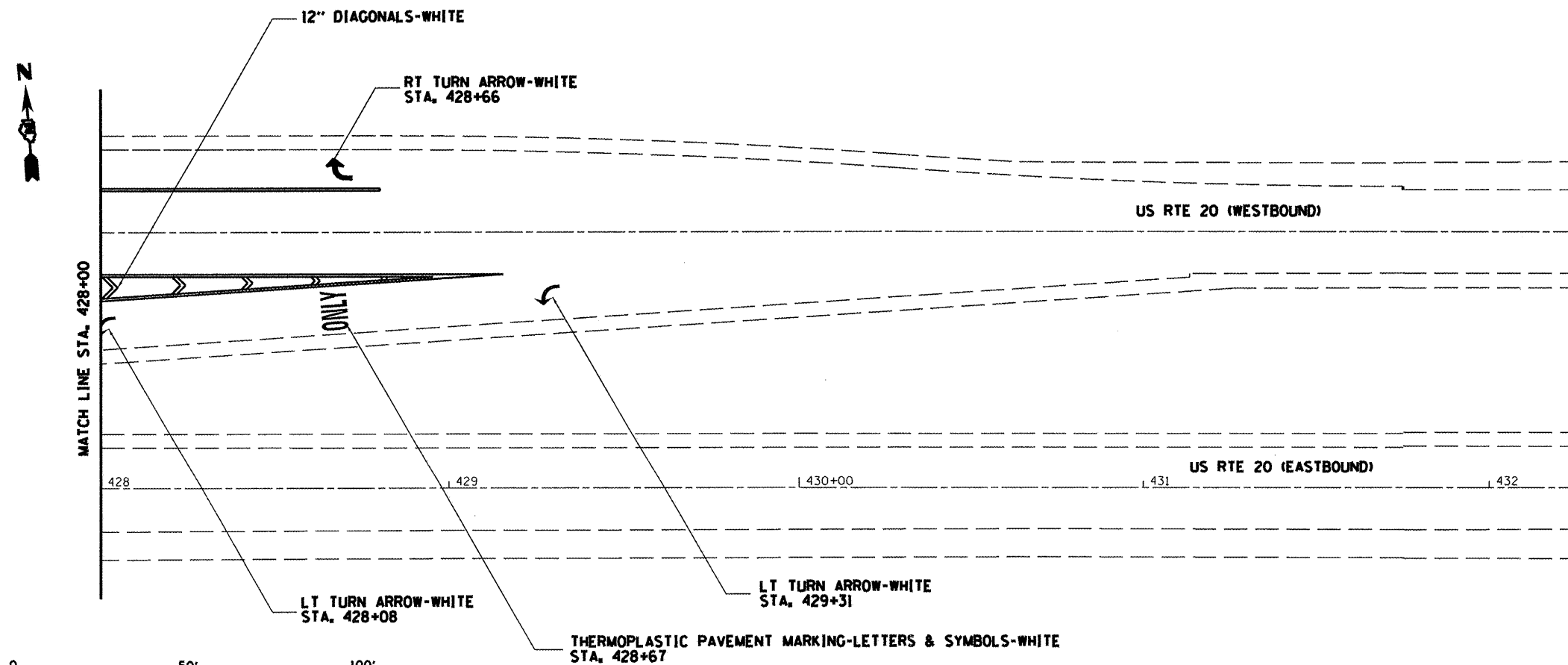
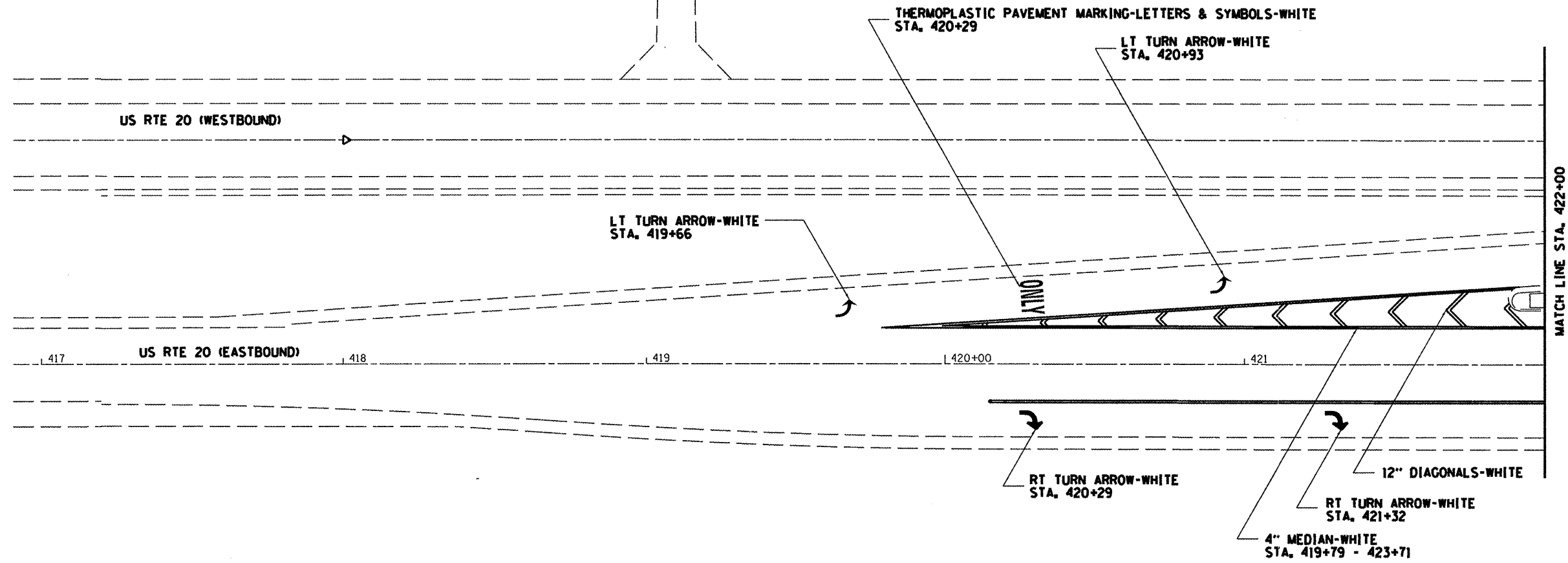
# THERMOPLASTIC PAVEMENT MARKING DETAILS



	STATION	OFFSET	
A	425+34	11.91'	RT
B	424+75	11.96'	RT
C	424+82	73.69'	RT
D	424+19	11.96'	RT
E	423+82	12.01'	RT
F	423+81	85.98'	LT
G	424+19	85.95'	LT
H	424+16	121.07'	LT
I	424+75	85.91'	LT
J	425+12	85.89'	LT

FILE NAME =	USER NAME = h11k1	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 20 AT WINNEBAGO RD PAVEMENT MARKING DETAILS		F.A.P. RTE. 301	SECTION 17, 40M-3	COUNTY WINNEBAGO	TOTAL SHEETS 17	SHEET NO. 11	
P:\Projects\us 20 pac and winn 2011\64H\dgn	PLOT SCALE = 41,009' / in.	DRAWN -	REVISED -		SCALE: _____	SHEET NO. _____ OF _____ SHEETS	STA. _____ TO STA. _____	(ILLINOIS) FED. AID PROJECT				
PLOT DATE = Fri Jun 24 13:20:49 2011	DATE -	CHECKED -	REVISED -									

# THERMOPLASTIC PAVEMENT MARKING DETAILS



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 PLOT DATE = Fri Jun 24 13:21:10 2011

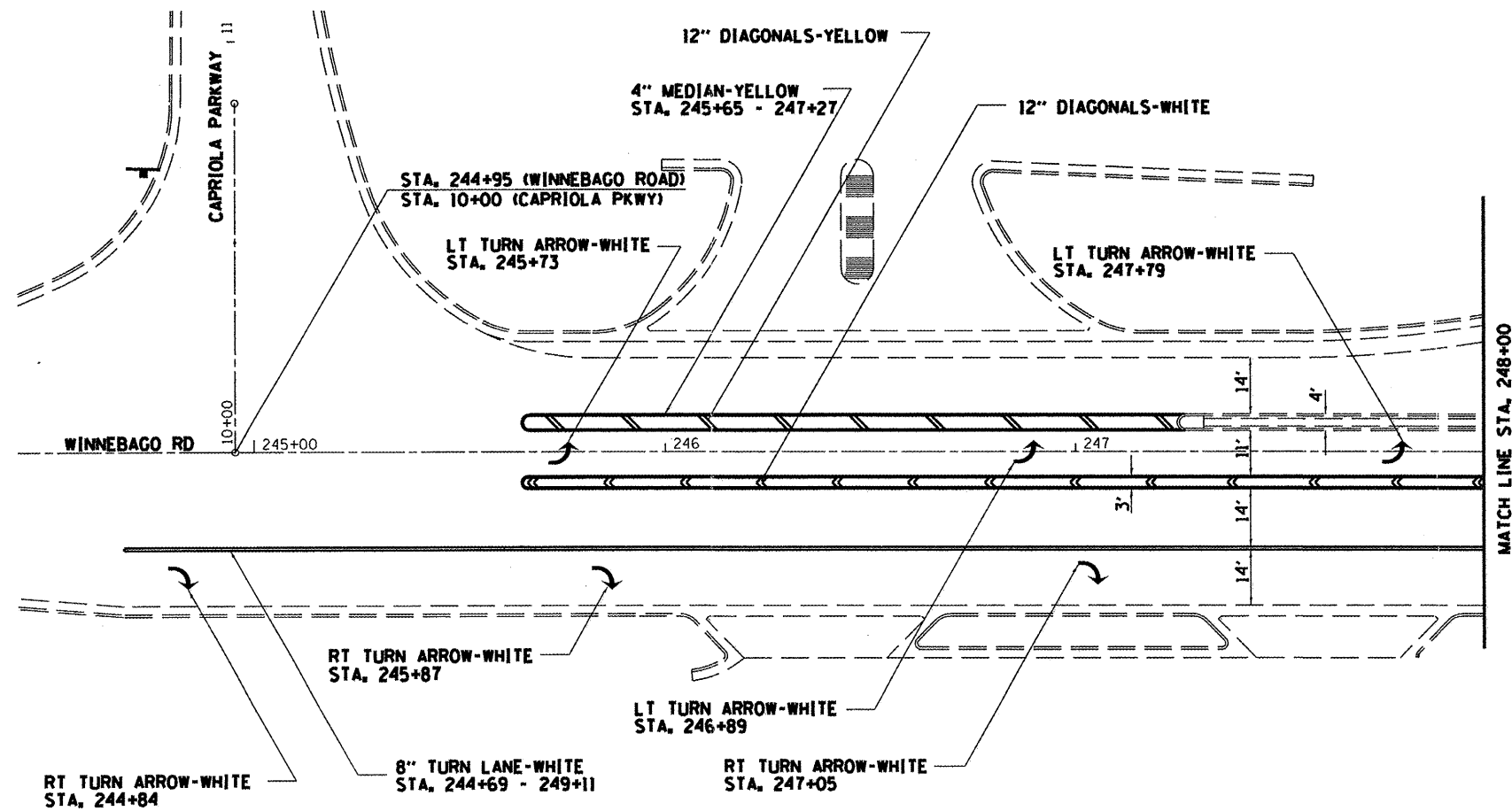
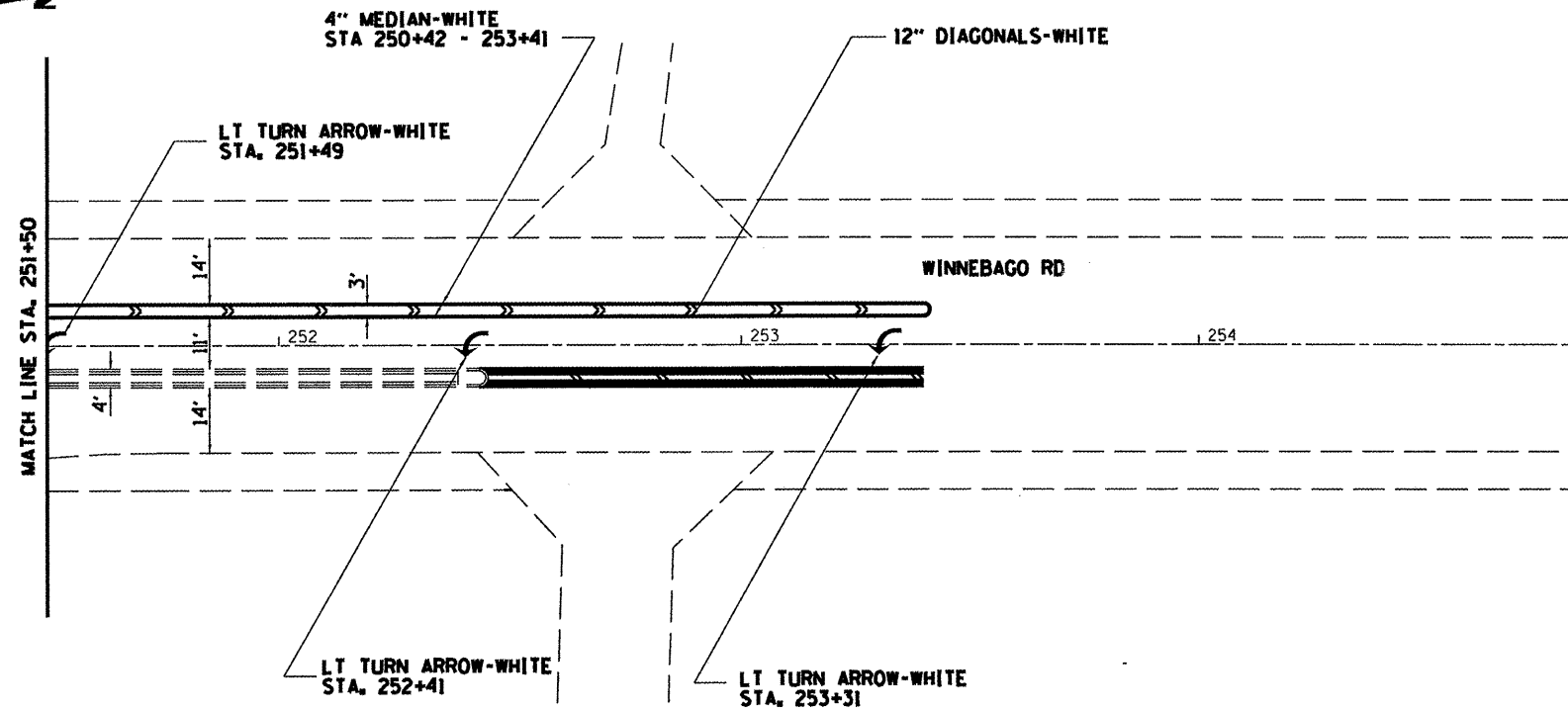
DRAWN	REVISIONS
CHECKED	REVISIONS
DATE	REVISIONS

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

US 20 AT WINNEBAGO RD  
 PAVEMENT MARKING DETAILS  
 SCALE: \_\_\_\_\_ SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(17. 40M-3	WINNEBAGO	17	12
CONTRACT NO. 64015			ILLINOIS FED. AID PROJECT	

# THERMOPLASTIC PAVEMENT MARKING DETAILS



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 PLOT SCALE = 41,009' / in.  
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DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

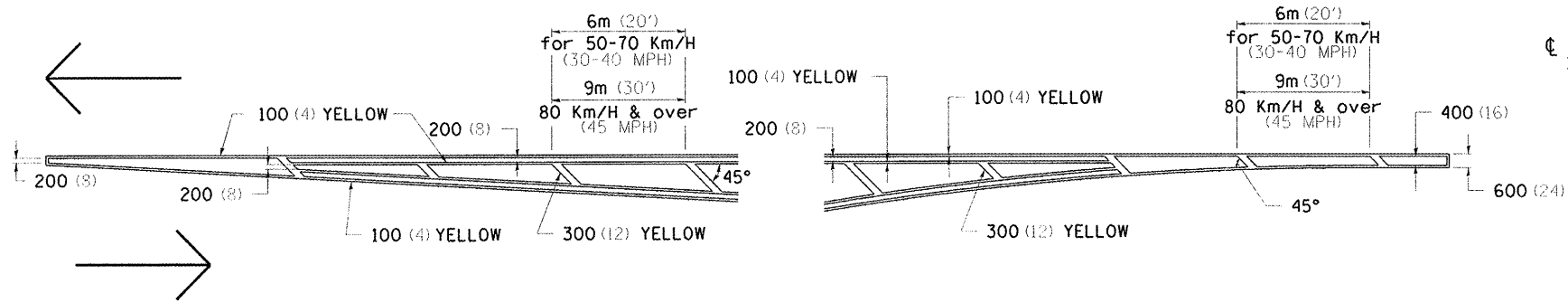
WINNEBAGO RD  
PAVEMENT MARKING DETAILS  
SCALE: \_\_\_\_\_ SHEET NO. \_\_\_\_\_ OF \_\_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.P. RTE. 301	SECTION 117, 40M-3	COUNTY WINNEBAGO	TOTAL SHEETS 17	SHEET NO. 13
CONTRACT NO. 64015				
ILLINOIS FED. AID PROJECT				

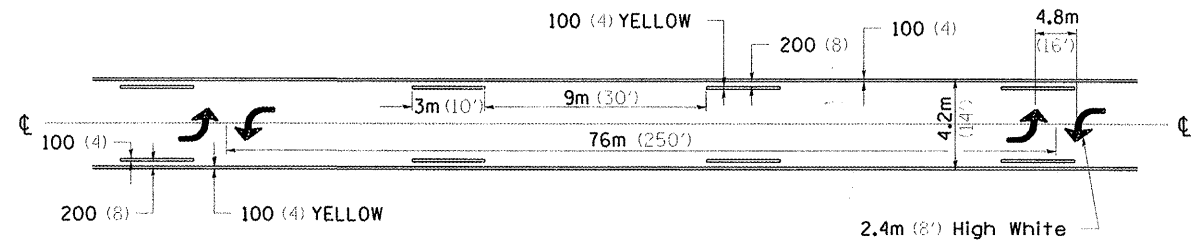
DATE-TIME  
DRAW-SPEC  
PLOT  
PLOT DATE

# TYPICAL PAVEMENT MARKINGS

## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

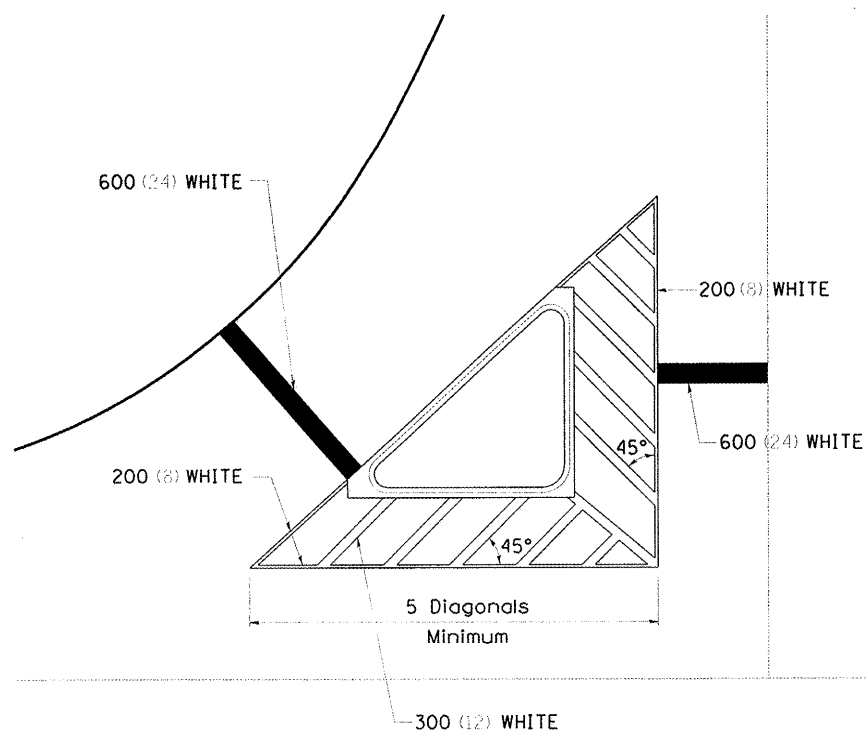


## MEDIAN PAVEMENT MARKING

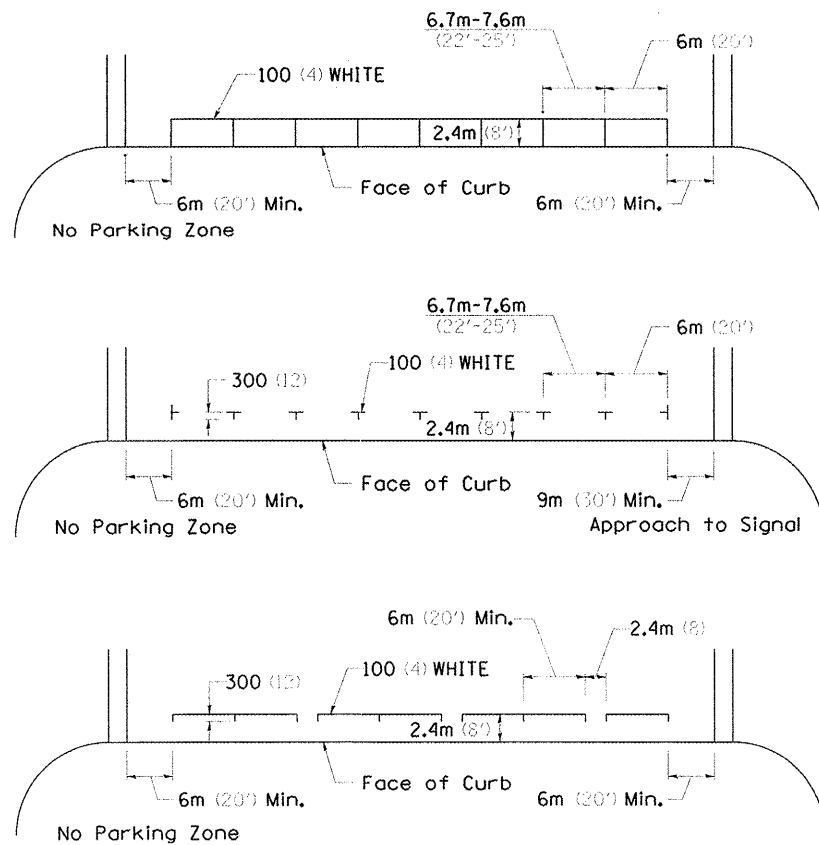


•• ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

## TYPICAL ISLAND OFFSET SHOULDER WIDTH

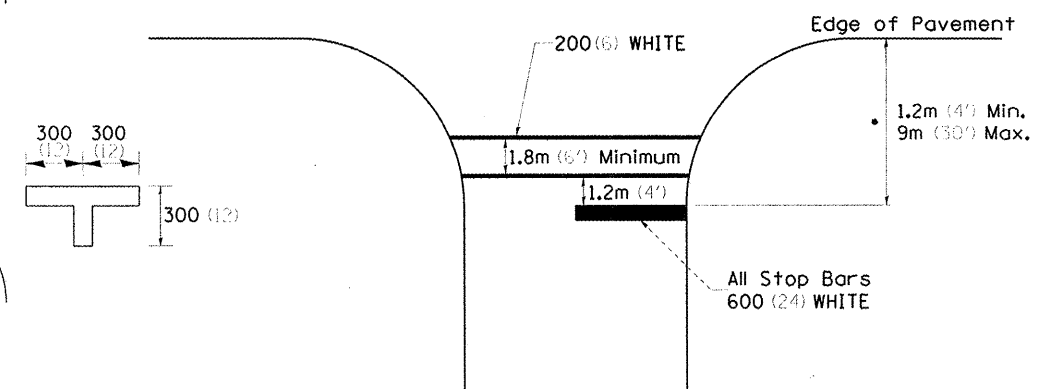


## TYPICAL PARKING SPACING



## STANDARD CROSSWALK MARKING

See Schedules for Locations



• Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE NAME =	USER NAME = fjllkl	DESIGNED -	REVISED - 10-21-08
\\d2saw2\users\jllkl\Projects\us 28 p	c and win 2011\64H15.dgn	DRAWN -	REVISED -
	PLOT SCALE = 41,348 * / IN.	CHECKED -	REVISED -
	PLOT DATE = Fri Jun 10 09:52:09 2011	DATE -	REVISED -

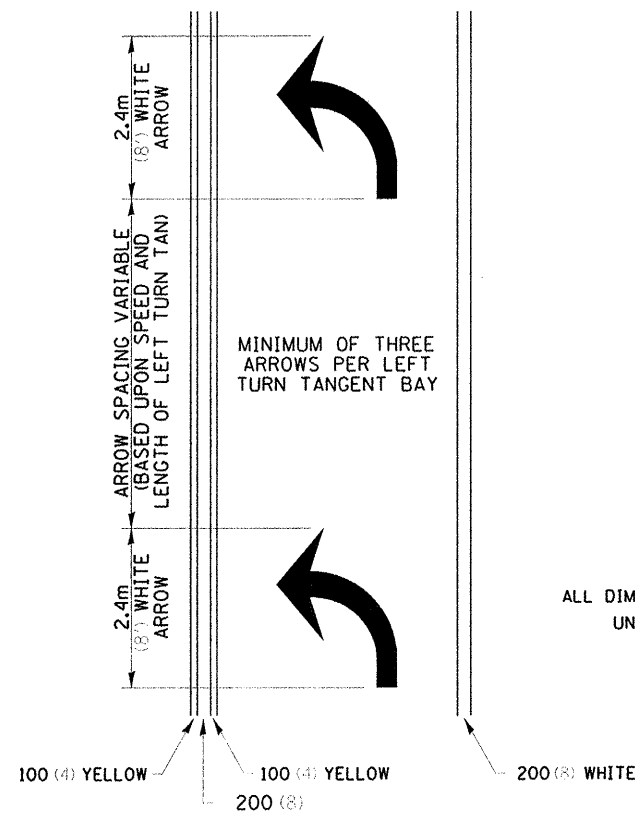
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	17, 40M-3	WINNEBAGO	17	14
CONTRACT NO.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

# TYPICAL PAVEMENT MARKINGS

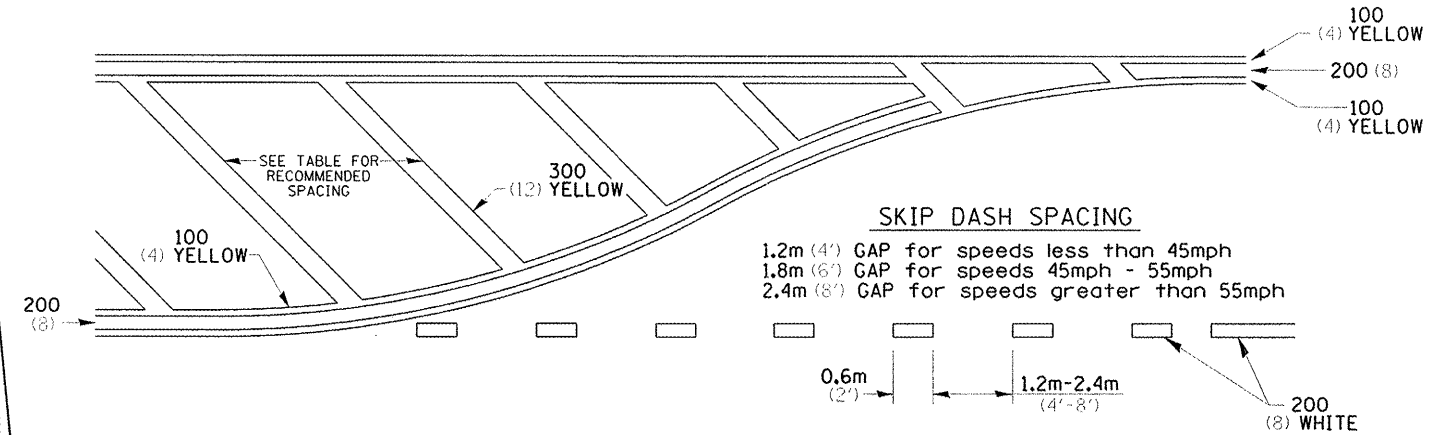
## ARROW LAYOUT



- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

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

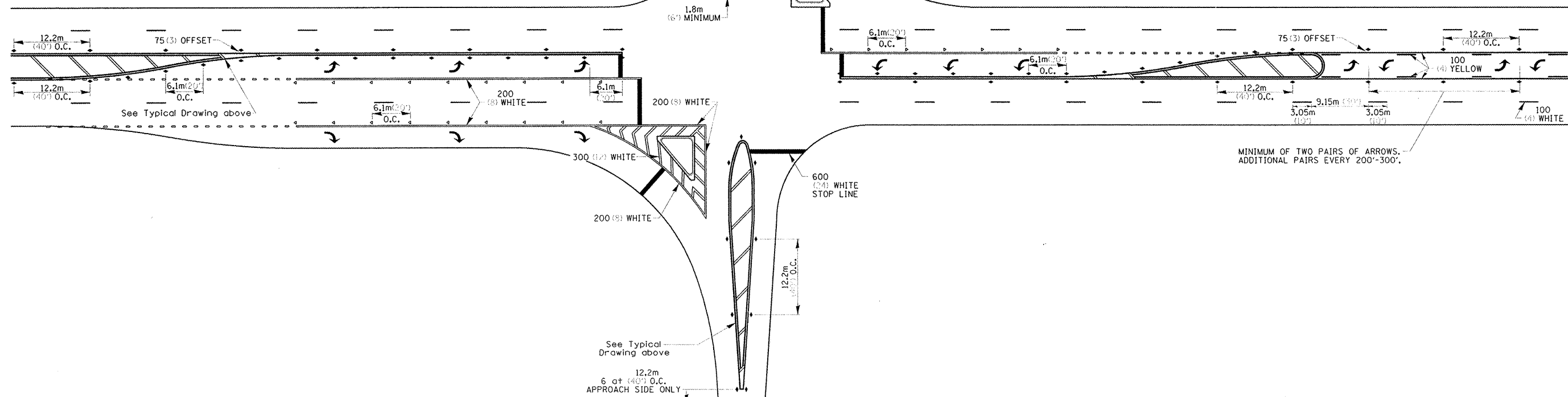
## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



## RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 50Km/H (30MPH)	15.3m (50')	4.53m (15')	3.05m (10')
50-60Km/H (30-40MPH)	22.9m (75')	6.1m (20')	4.53m (15')
70Km/H (45MPH) & over	22.9m (75')	9.05m (30')	6.1m (20')

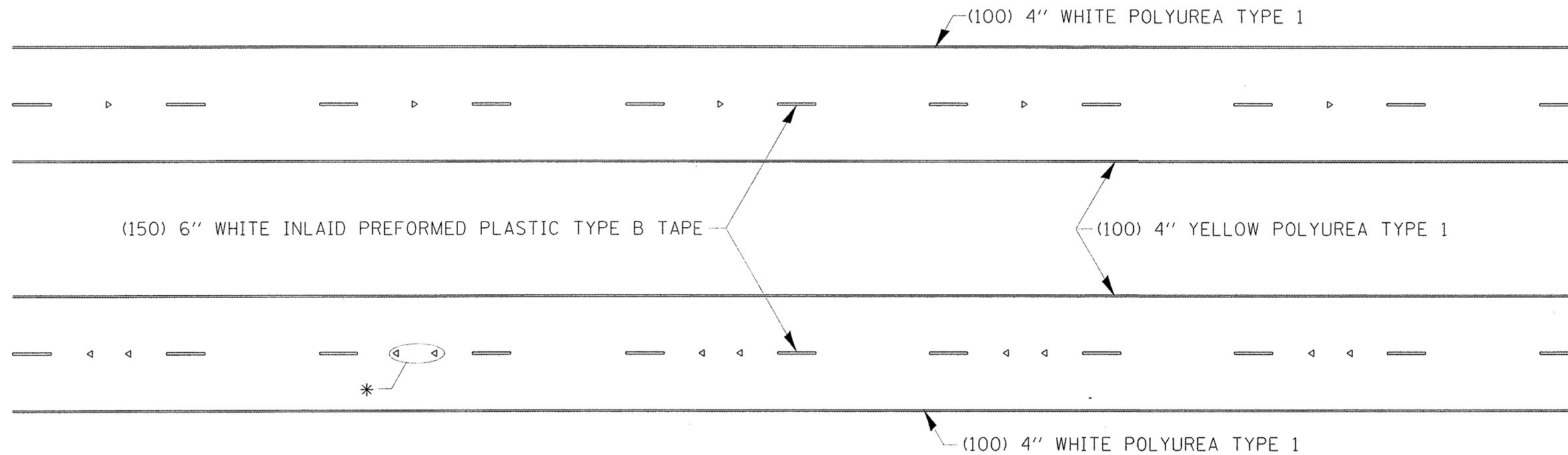
NOTE: if the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



FILE NAME =	USER NAME = m11k1	DESIGNED -	REVISED - 10-21-08	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\s2s1v2\user\m11k1\Projects\usa 28 p	and winn 2011\64H15.dgn	DRAWN -	REVISED -			301	(17, 40M-3)	WINNBAGO	17	15	
PLOT SCALE = 41,348 / IN.		CHECKED -	REVISED -			CONTRACT NO. 64H15					
PLOT DATE = Fri Jun 10 09:52:05 2011		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

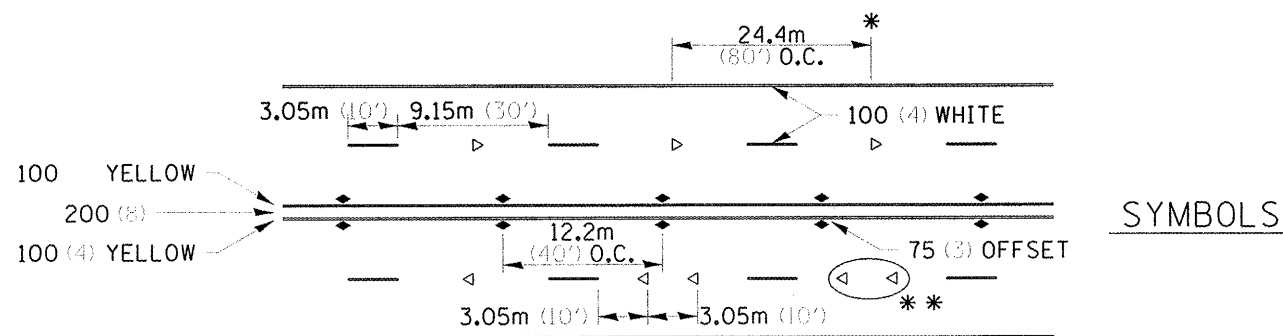


# TYPICAL PAVEMENT MARKINGS



\* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.  
USE DOUBLE MARKERS WHEN ADT  $\geq$  25,000.

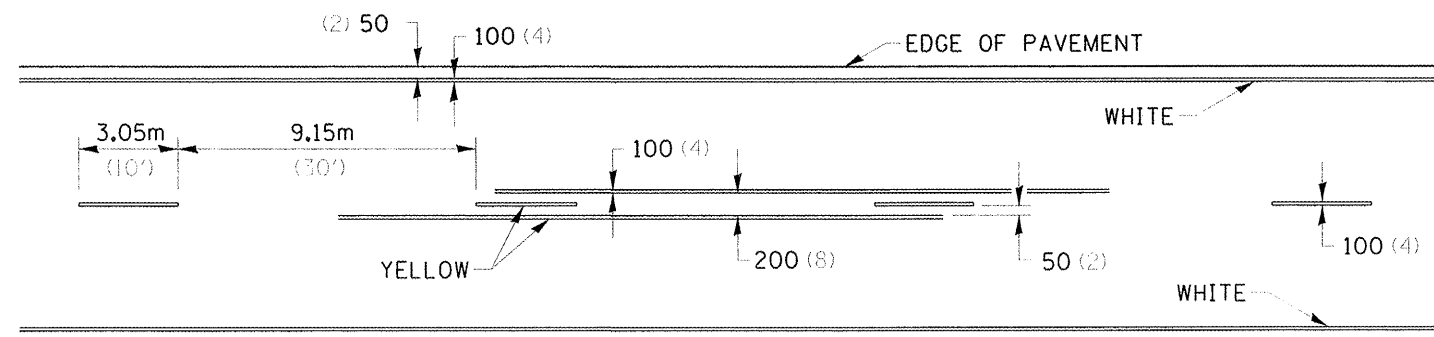
## MULTI-LANE / DIVIDED



- REDUCE TO 12.2m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 15Km/H (10MPH) LOWER THAN POSTED SPEEDS.
- USE DOUBLE MARKERS WHEN ADT  $\geq$  25,000

## MULTI-LANE / UNDIVIDED

## TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION - NO PASSING ZONES



FILE NAME :	USER NAME :	DESIGNED :	REVISED :
\\d2sarv2\users\HLL\KL\Projects\us 28	klhkl	---	10-21-08
	klhkl	DRAWN :	REVISED :
	klhkl	---	---
		CHECKED :	REVISED :
		---	---
		DATE :	REVISED :
		---	---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

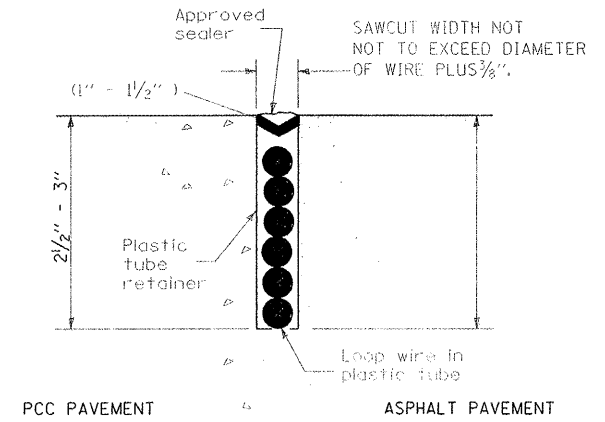
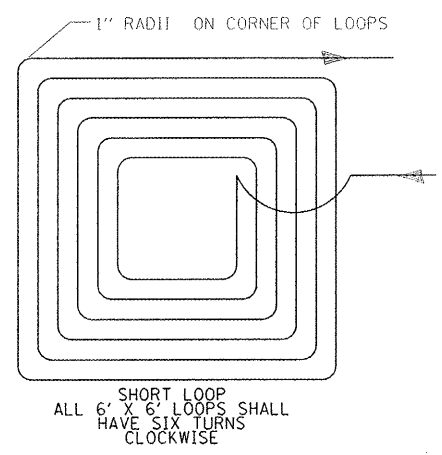
REGION 2 / DISTRICT 2 STANDARD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(17.40M-3)	WINNEBAGO	17	16
CONTRACT NO. 64H15				

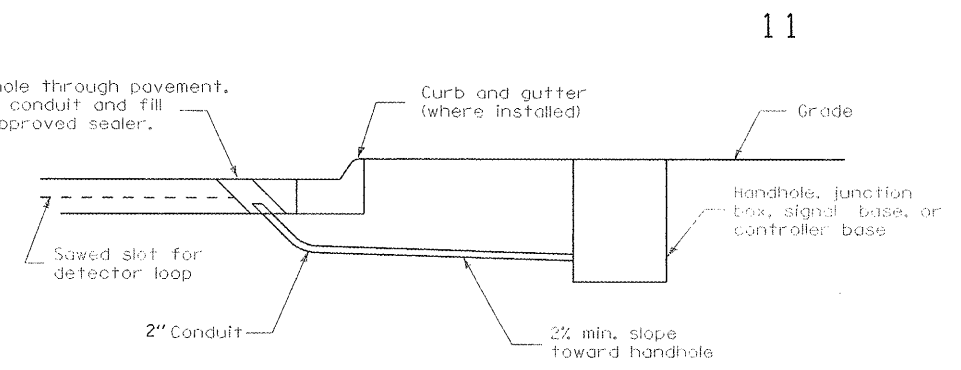
SCALE: \_\_\_\_\_ SHEET NO. \_\_\_\_ OF \_\_\_\_ SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

FED. ROAD DIST. NO. \_\_\_\_\_ ILLINOIS FED. AID PROJECT

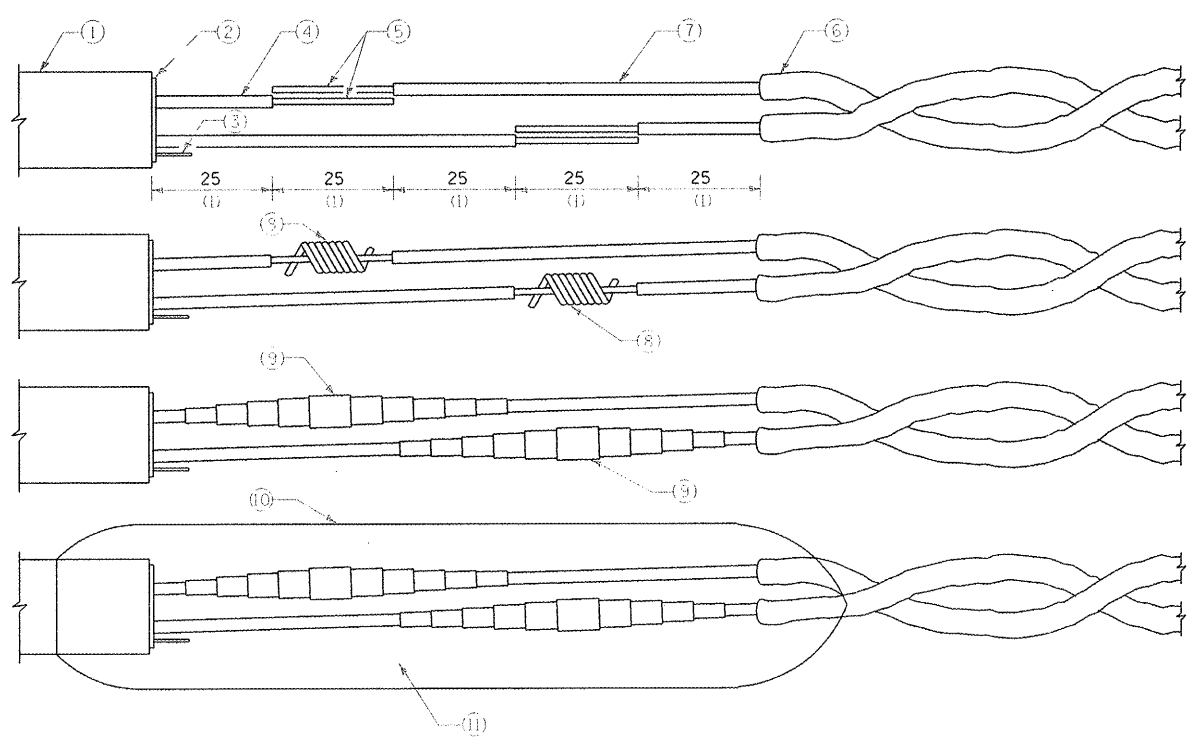
ALL 6' X 6' LOOPS SHALL HAVE SIX TURNS



**DETECTOR LOOP INSTALLATION**

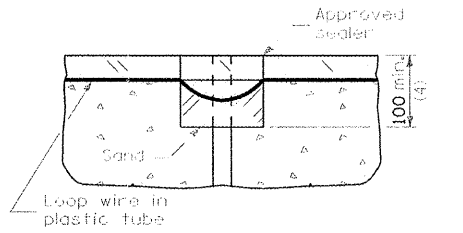
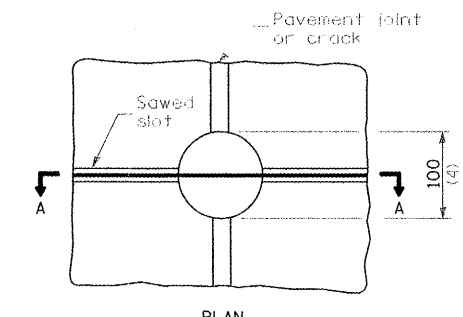


**DETECTOR LOOP LEAD-IN**



**LOOP WIRE AND LEAD-IN CABLE SPLICE**

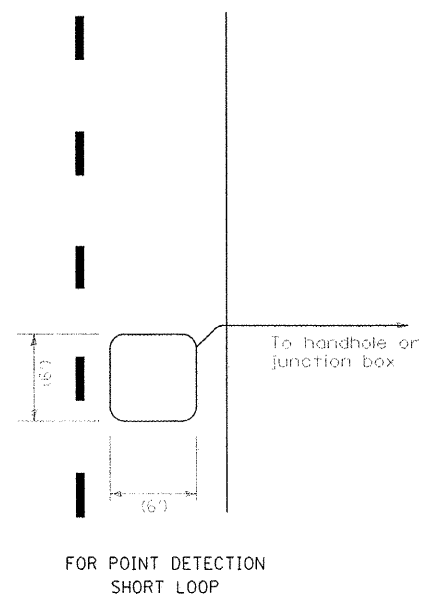
- (1) = Lead-in cable (single pair or multipair)
- (2) = Lead-in cable shield
- (3) = Lead-in cable shield drain-wire
- (4) = Lead-in cable insulated conductor
- (5) = Bare conductor
- (6) = Loop wire in tube
- (7) = Loop wire insulated conductor
- (8) = Twisted and resin soldered conductor
- (9) = Electrical tape insulated splice
- (10) = Rigid mold
- (11) = Waterproof and dielectric resin



**NOTE**  
Loop wire shall follow saw cut to bottom, forming slack section at joint.

**DETECTOR LOOP AT PAVEMENT JOINT OR PAVEMENT CRACK**

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



**FOR POINT DETECTION SHORT LOOP**

FILE NAME =	USER NAME = h11k1	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETECTOR LOOP DETAILS</b>			F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
\\d2serv2\user\h11k1\Projects\us 20	and user 2811\64H15.dgn	DRAWN -	REVISED -		SCALE: _____	SHEET NO. _____	OF _____	SHEETS	STA. _____	TO STA. _____	WINNEBAGO	17	17
	PLOT SCALE = 41,340' / IN.	CHECKED -	REVISED -										
	PLOT DATE = Fri Jun 10 08:52:15 2011	DATE -	REVISED -										