

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	2008-073 GRR	COOK/KANE	20	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO.	60F74	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

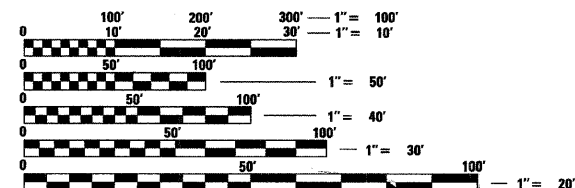
F.A.P. 345 /US 20 (LAKE STREET)
SECTION 2008-073 GRR
WELD ROAD TO BLUFF CITY BLVD./SHALES PARKWAY
GUARDRAIL, SHOULDER RUMBLE STRIPS
PROJECT: HSIP-0345(050)
COOK AND KANE COUNTIES
C-91-255-09

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS IMPROVEMENT IS LOCATED
WITHIN THE CITY OF ELGIN

TRAFFIC DATA

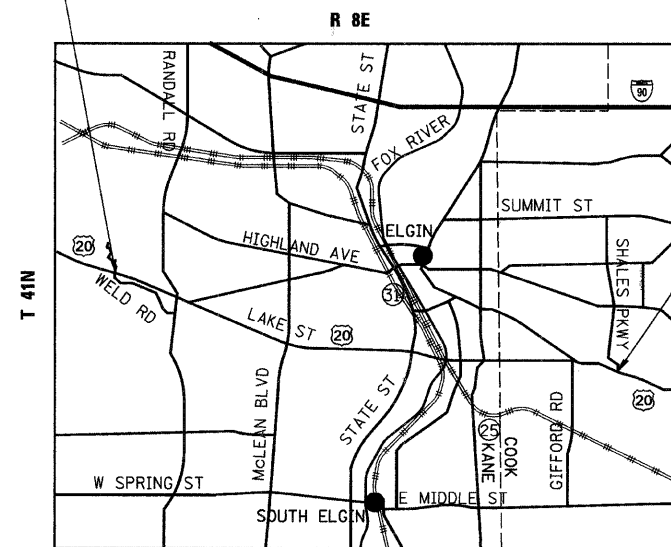
2005 ADT - 58,200
POSTED SPEED LIMIT - 55 MPH



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

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

BEGIN PROJECT
STA. 94 + 35.86



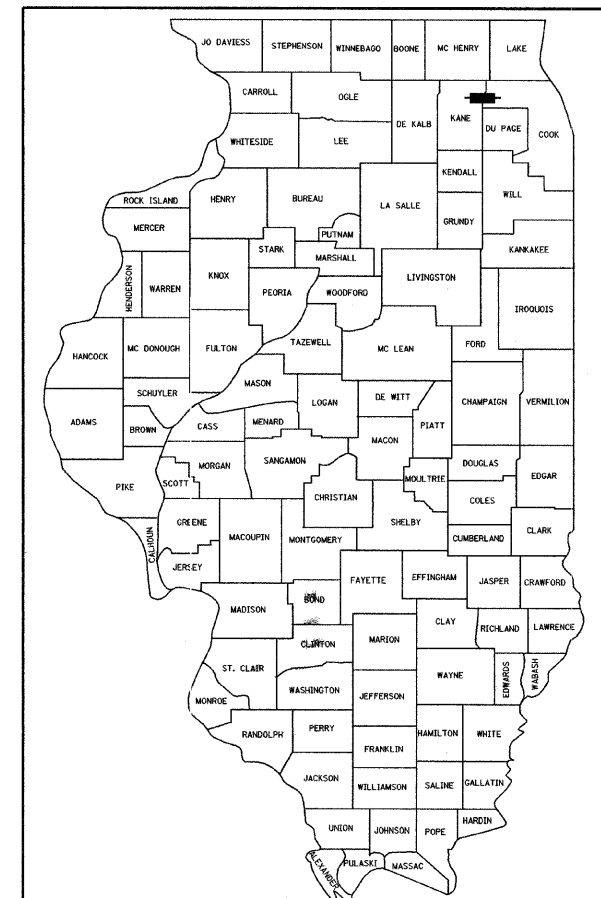
END PROJECT
STA. 415 + 53.20

ELGIN TOWNSHIP
LOCATION MAP

1" = 5000'

GROSS AND NET LENGTH OF PROJECT = 32,117.34 FT = 6.08 MI.

D-91-255-09



LOCATION OF SECTION INDICATED THIS: - [black rectangle]

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED December 18, 2008
Diana M. O'Keefe *gc*
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
January 30, 2009
Charles G. Ingersoll *CD*
ENGINEER OF DESIGN AND ENVIRONMENT
January 30, 2009
Christine M. Reed *CD*
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER



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

CONTRACT NO. 60F74

Ciorba Group, Inc.

DESIGN FIRM
REGISTRATION NUMBER

184-001016

CONSULTING ENGINEERS
SUITE 402, 5507 NORTH CUMBERLAND AVE
CHICAGO, ILLINOIS 60656 ☎ (773) 775-4009

INDEX OF SHEETS

SHEET NO DESCRIPTION

- 1 TITLE SHEET
- 2 INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
- 4-16 ROADWAY PLANS
- 17-18 MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS (TC-12)
- 19 TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)
- 20 ARTERIAL ROAD INFORMATION SIGN (TC-22)

STATE STANDARDS

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 630001-08 STEEL PLATE BEAM GUARDRAIL
- 630301-05 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
- 631011-05 TRAFFIC BARRIER TERMINAL, TYPE 2
- 631031-07 TRAFFIC BARRIER TERMINAL, TYPE 6
- 635006-03 REFLECTOR AND TERMINAL MARKER PLACEMENT
- 635011-02 REFLECTOR MARKER AND MOUNTING DETAIL
- 642001-01 SHOULDER RUMBLE STRIPS
- 701411-05 LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
- 701421-02 LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH
- 701901-01 TRAFFIC CONTROL DEVICES

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATIONS IS REQUIRED)
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF ELGIN.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED - ONE (1) WEIGHTED SANDBAG ACROSS EACH BOTTOM RAIL.
5. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK.
6. THE CONTRACTOR SHALL DISPOSE OF ALL CUTTINGS AND SWEEP THE SHOULDER CLEAN PRIOR TO OPENING THE TRAFFIC LANE AND SHOULDER TO TRAFFIC. ALL DISPOSAL AND SWEEPING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF SHOULDER RUMBLE STRIPS.
7. THE CONTRACTOR SHALL RESTRIPE THE EDGE LINES AND SHOULDER DIAGONALS UPON COMPLETION OF THE MILLING OF THE RUMBLE STRIPS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THERMOPLASTIC PAVEMENT MARKING - LINE 4" AND LINE 12".

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CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FAP 345 / US 20 (LAKE STREET)
WELD ROAD TO BLUFF CITY BLVD./ SHALES PARKWAY
INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	2008-073 GRR	COOK/KANE	20	2
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60F74	

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

SUMMARY OF QUANTITIES			UABAN TOTAL QUANTITY 90% FED. 10% STATE	CONSTRUCTION TYPE CODE	
CODE NO.	DESCRIPTION	UNIT		KANE COUNTY SFTY-2A	COOK COUNTY SFTY-2A
20200100	EARTH EXCAVATION	CU YD	80	70	10
20201006	GRADING AND SHAPING SHOULDERS	UNIT	26	25	1
20400800	FURNISHED EXCAVATION	CU YD	190	150	40
44000100	PAVEMENT REMOVAL	SQ YD	200	200	0
48101500	AGGREGATE SHOULDER, TYPE B 6"	SQ YD	800	700	100
63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	780	780	0
63000015	STEEL PLATE BEAM GUARD RAIL, TYPE D	FOOT	180	180	0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1	0
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	3	1
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	22	19	3
63200310	GUARDRAIL REMOVAL	FOOT	2,550	2,350	200
* 64200105	SHOULDER RUMBLE STRIP	FOOT	73,390	66,950	6,440
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	2	1
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	0.5	0.5
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	17	15	2
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	73,390	66,950	6,440
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2,710	1,953	757
78200410	GUARDRAIL MARKERS, TYPE A	EACH	42	38	4
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	22	19	3
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	52	26	26
Z0029999	IMPACT ATTENUATOR REMOVAL	EACH	1	1	0
Z0030130	IMPACT ATTENUATORS (PARTIALLY REDIRECTIVE), TEST LEVEL 3	EACH	1	1	0

* DENOTES SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

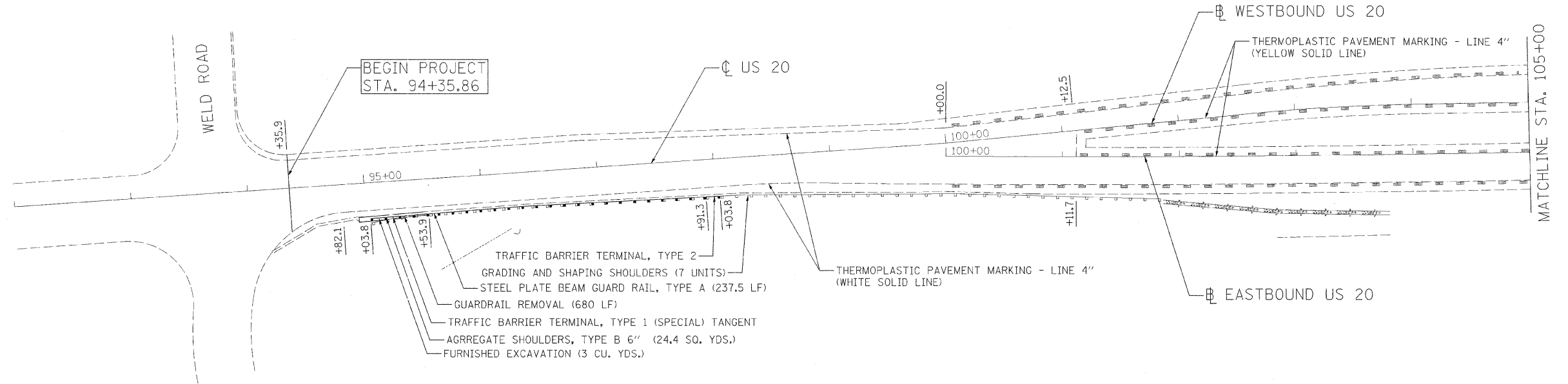
**FAP 345 / US 20 (LAKE STREET)
WELD ROAD TO BLUFF CITY BLVD. / SHALES PARKWAY
SUMMARY OF QUANTITIES**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 60F74	

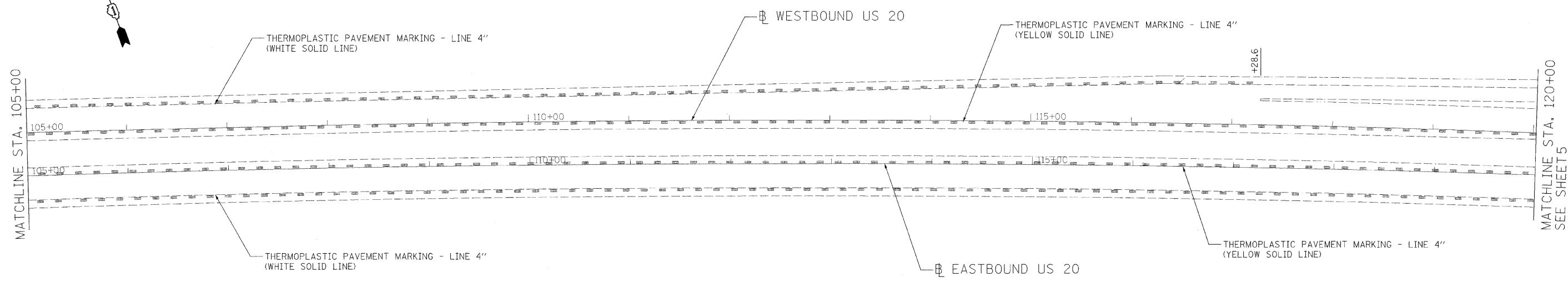
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LEGEND:
 - - - - - PROPOSED SHOULDER RUMBLE STRIPS

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 DEPARTMENT OF TRANSPORTATION**

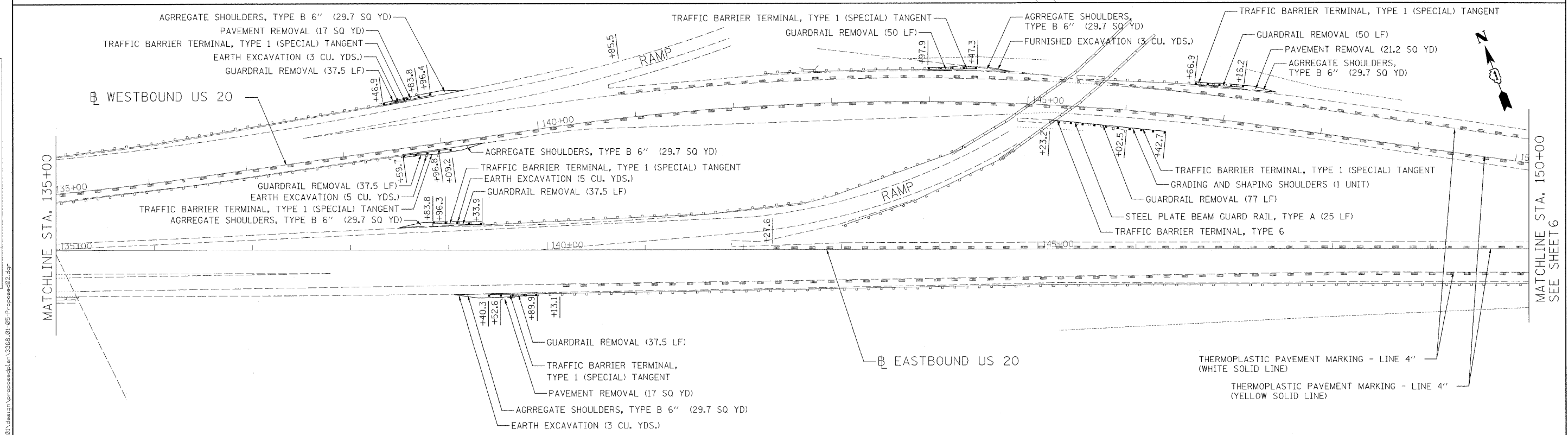
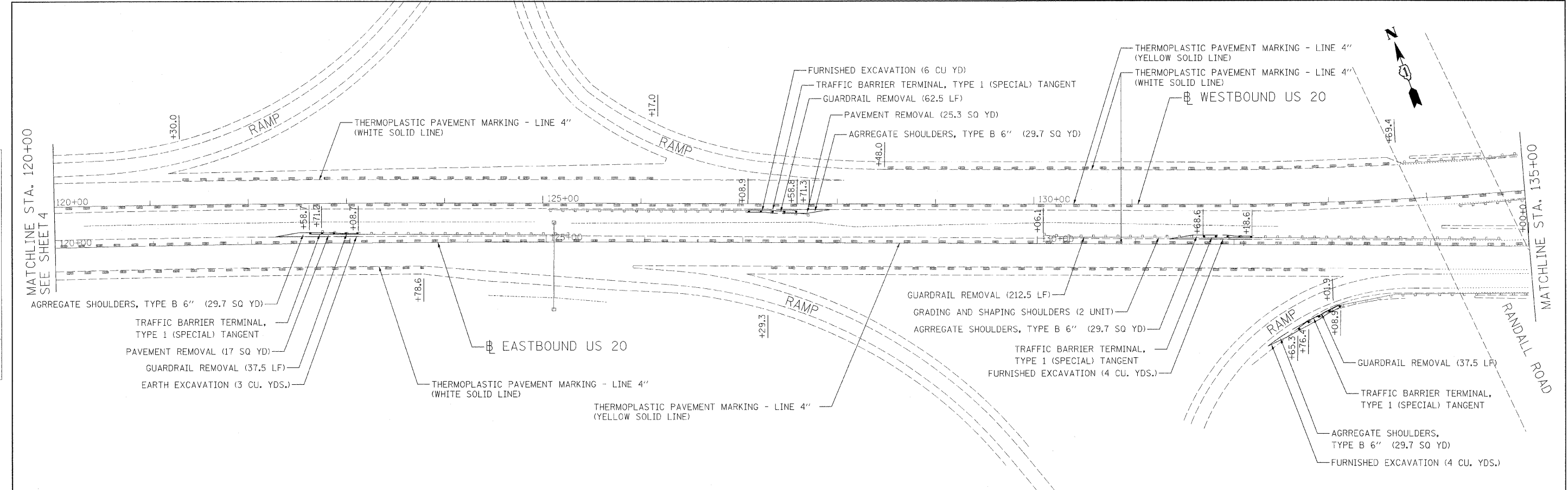
**FAP 345 / US 20 (LAKE ST.)
 WELD ROAD TO BLUFF CITY BLVD/SHALES PARKWAY
 ROADWAY PLAN**

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

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		CONTRACT NO. 60F74		

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 --- PROPOSED SHOULDER RUMBLE STRIPS

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

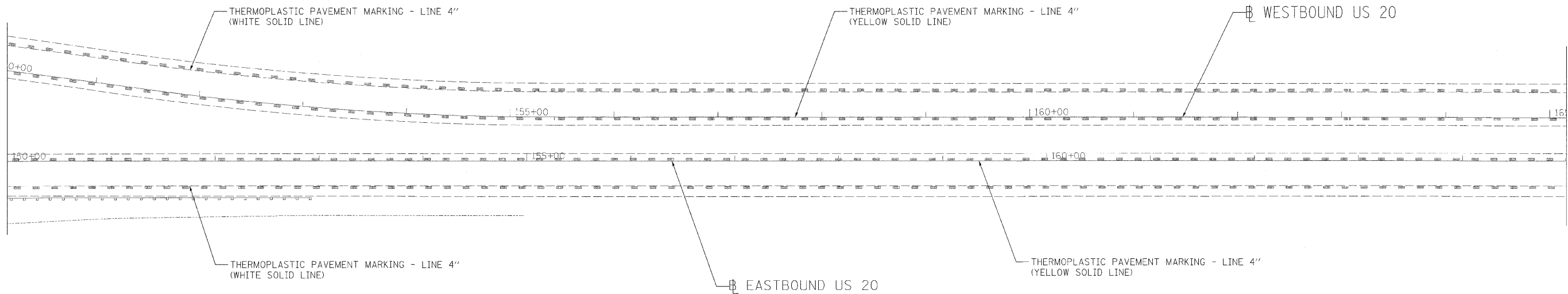
**FAP 345 / US 20 (LAKE ST.)
 WELD ROAD TO BLUFF CITY BLVD/SHALES PARKWAY
 ROADWAY PLAN**

F.A.P. RTE. 345	SECTION 2008-073 GRR	COUNTY COOK/KANE	TOTAL SHEETS 20	SHEET NO. 5
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		

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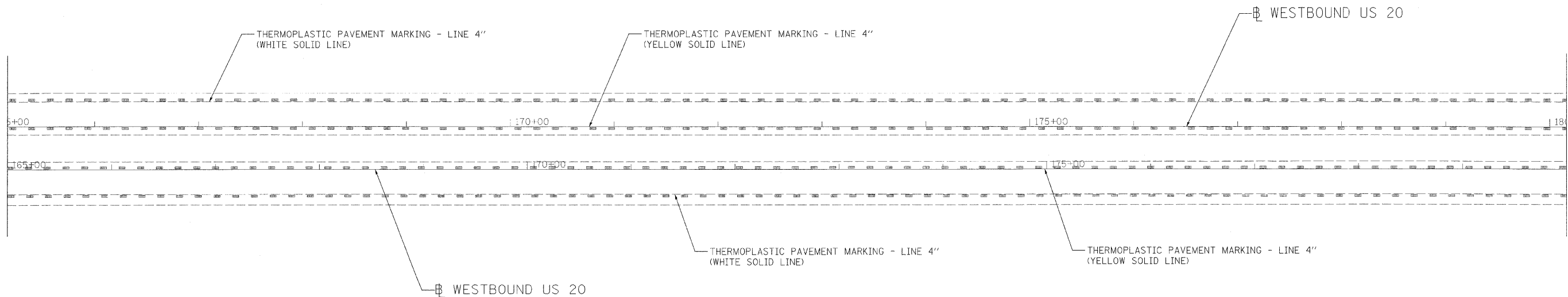
MATCHLINE STA. 150+00
SEE SHEET 5



MATCHLINE STA. 165+00

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MATCHLINE STA. 165+00



MATCHLINE STA. 180+00
SEE SHEET 7

LEGEND:
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

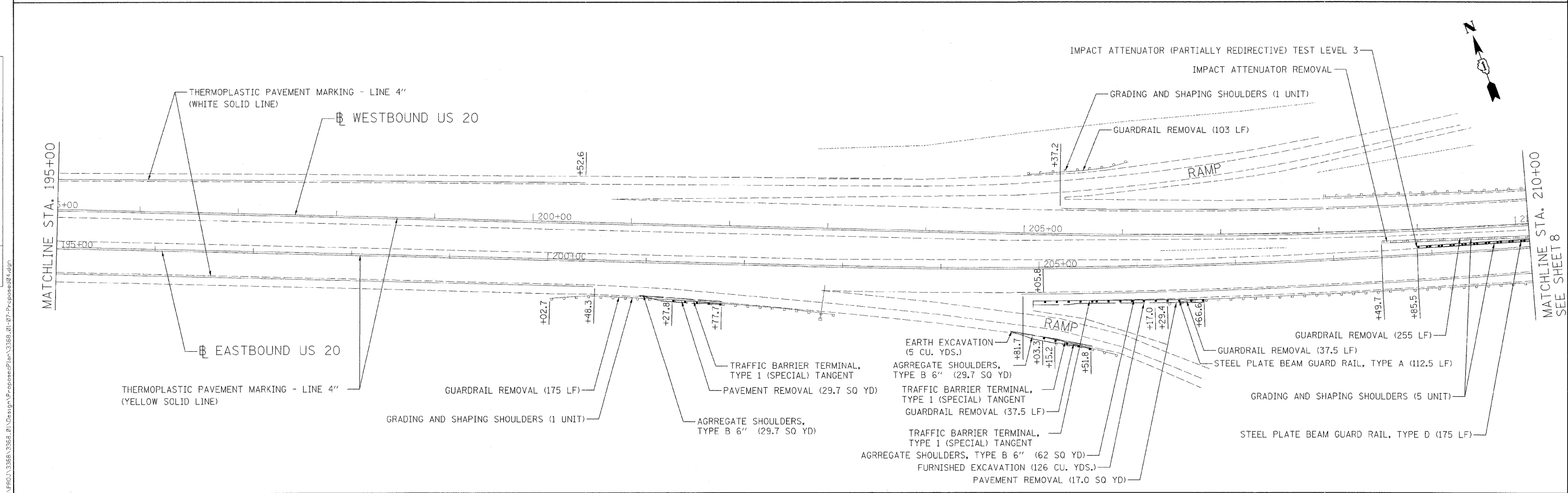
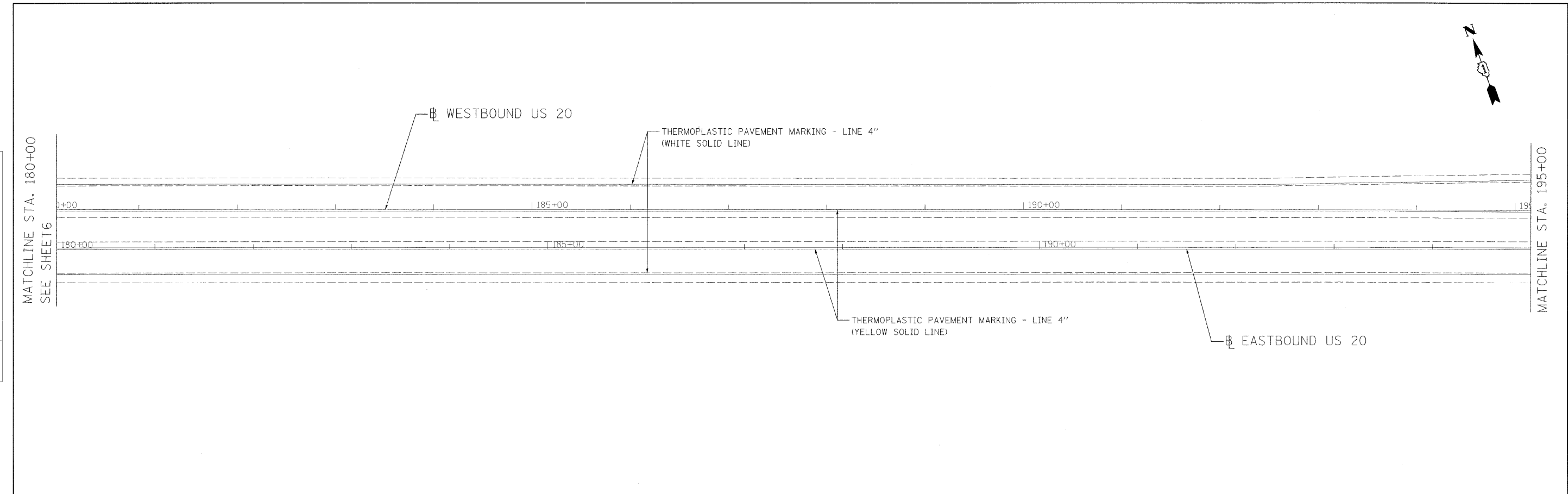
FAP 345 / ELGIN O'HARE EXPRESSWAY
 US 20 (LAKE ST.) TO I-290
 ROADWAY PLAN

SCALE:	SHEET NO. OF SHEETS	STA. TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	2008-073 GRR	COOK/KANE	20	6
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60F74	

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

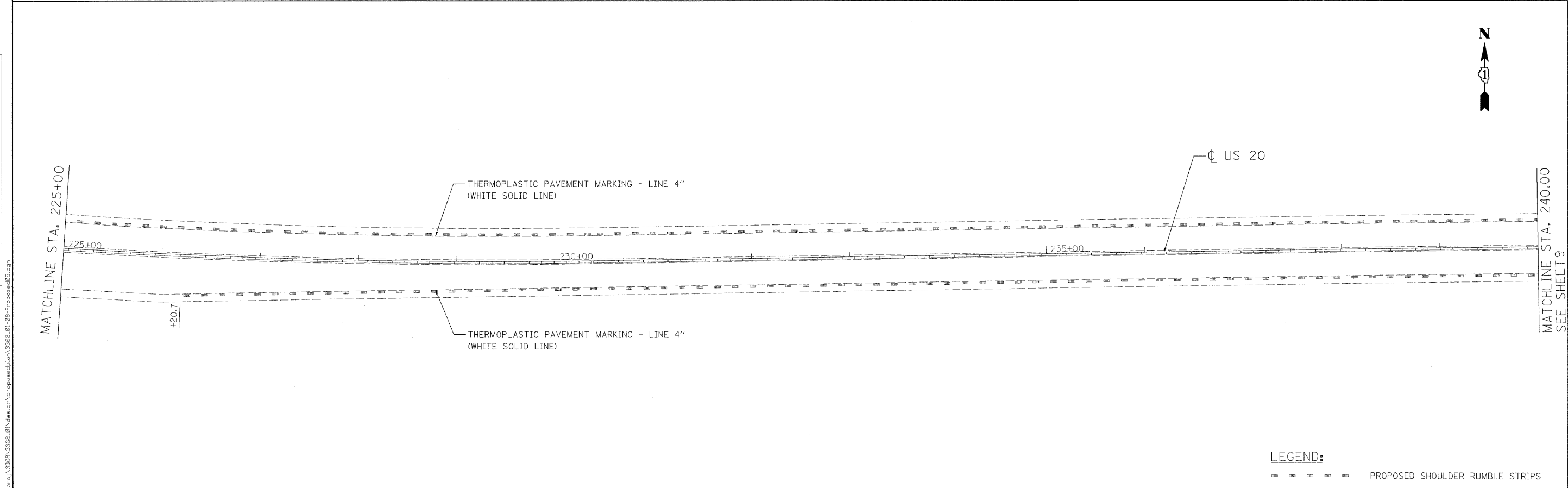
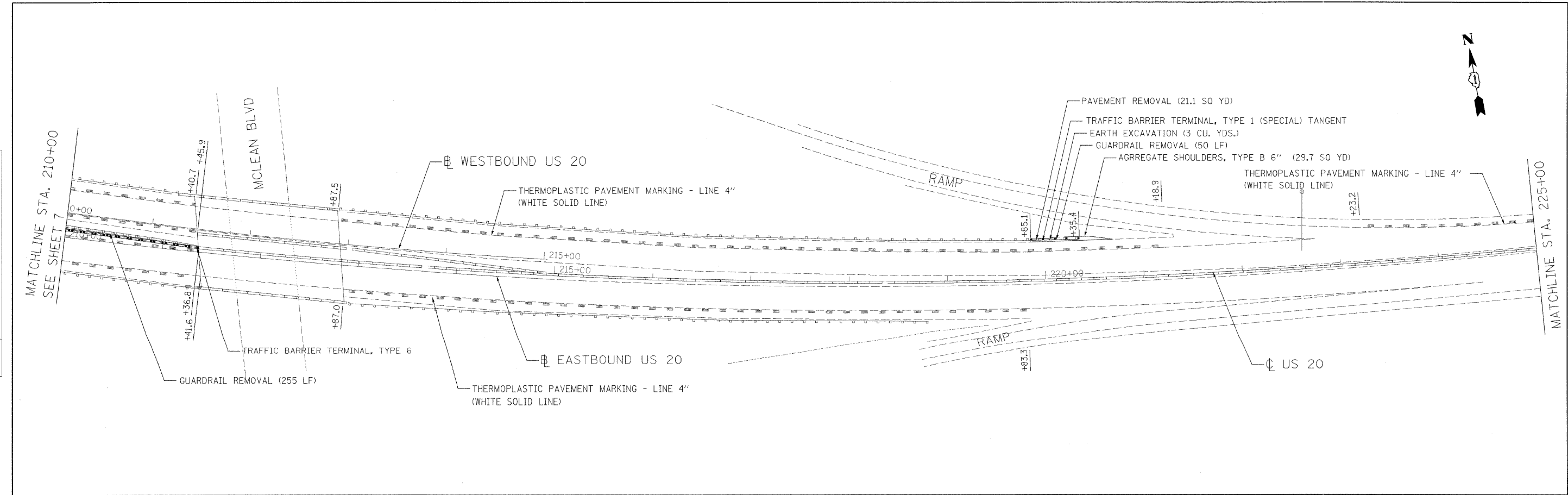
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 WELD ROAD TO BLUFF CITY BLVD/SHALES PARKWAY
 ROADWAY PLAN**

F.A.P. RTE. 345	SECTION 2008-073 GRR	COUNTY COOK/KANE	TOTAL SHEETS 20	SHEET NO. 7
FID. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60F74	

SCALE:	SHEET NO. OF SHEETS	STA. TO STA.
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

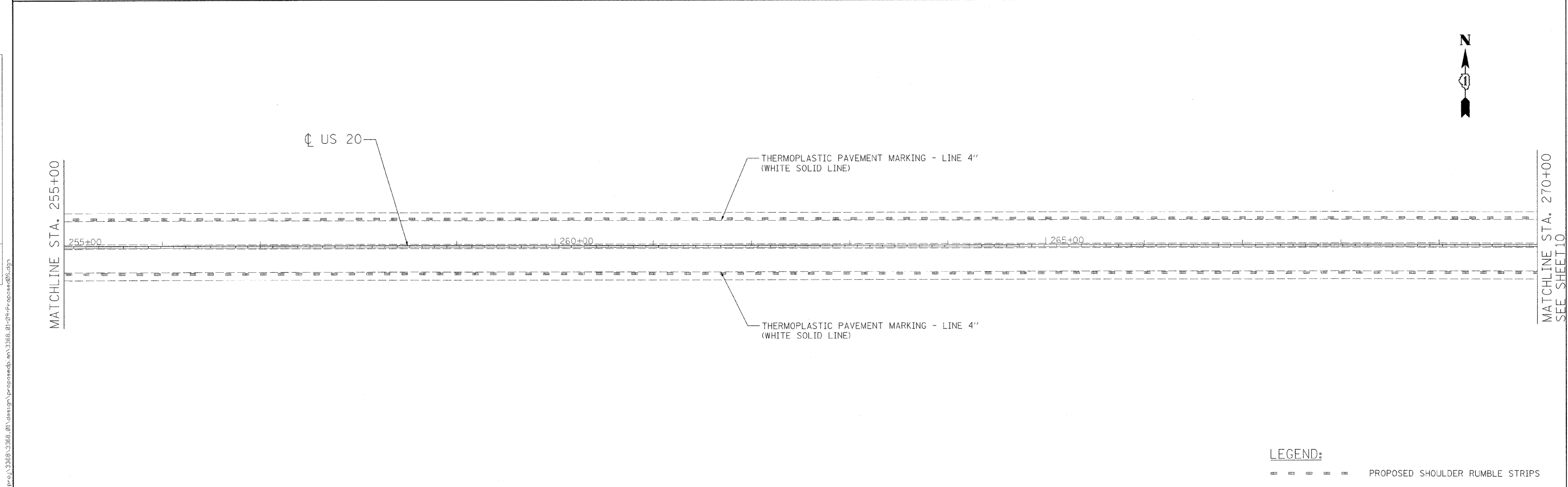
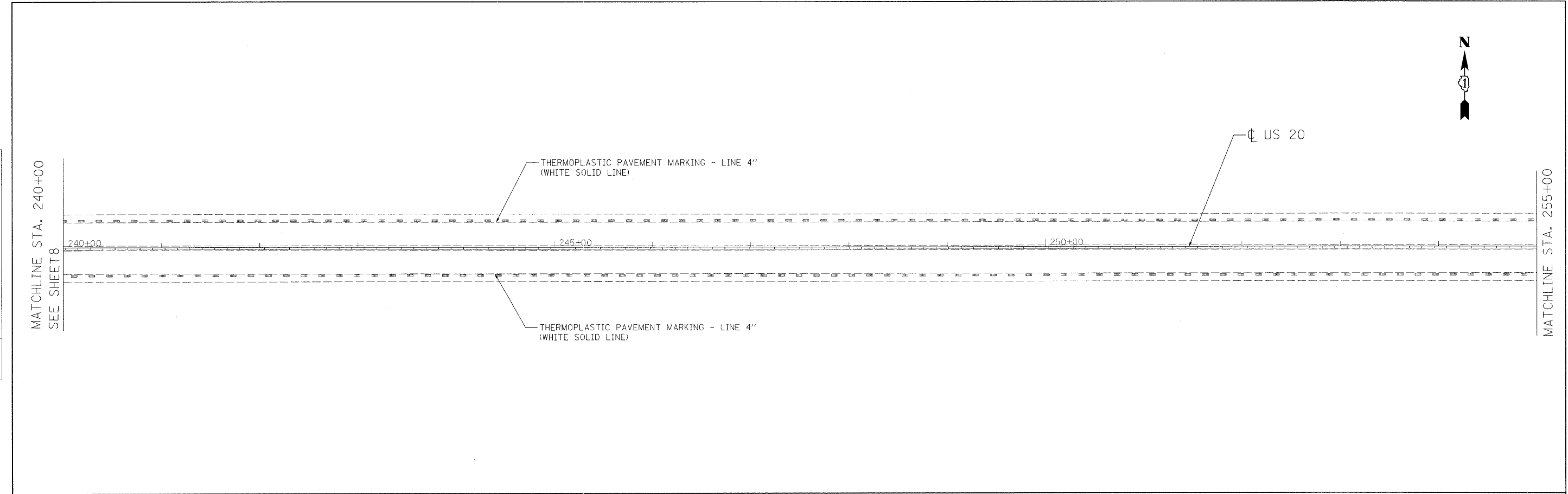
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 WELD ROAD TO BLUFF CITY BLVD/SHALES PARKWAY
 ROADWAY PLAN**

F.A.P. RTE. 345	SECTION 2008-073 GRR	COUNTY COOK/KANE	TOTAL SHEETS 20	SHEET NO. 8
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT			CONTRACT NO. 60F74	

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

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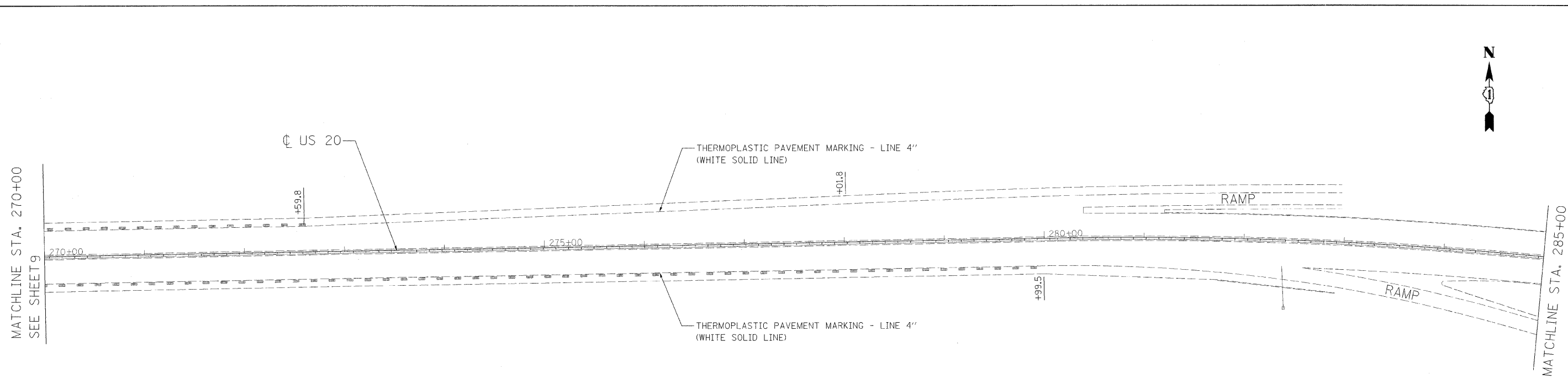
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

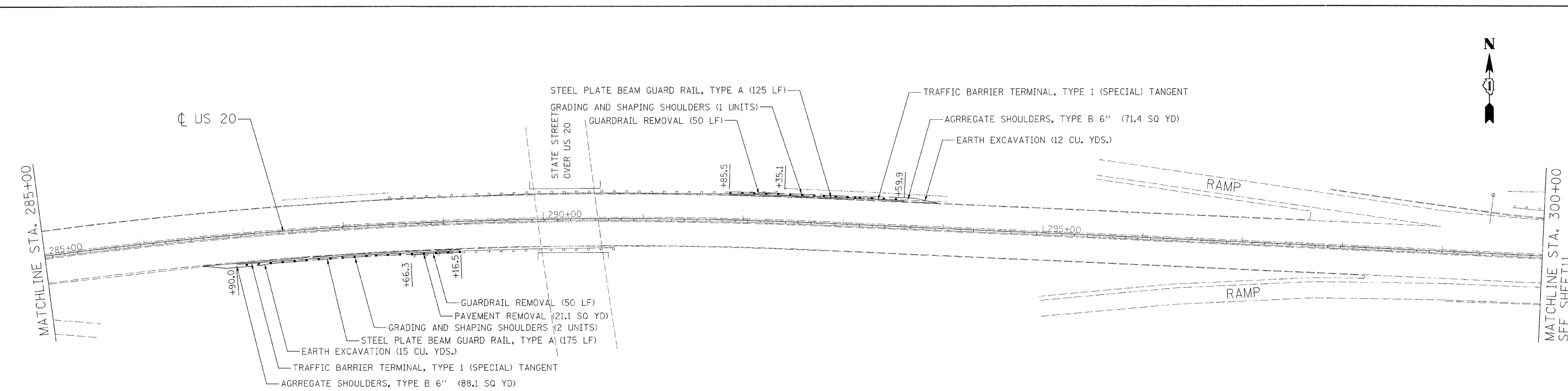
**FAP 345 /US 20 (LAKE ST.)
 WELD ROAD TO BLUFF CITY BLVD/SHALES PARKWAY
 ROADWAY PLAN**

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

F.A.P. RTE. 345	SECTION 2008-073 GRR	COUNTY COOK/KANE	TOTAL SHEETS 20	SHEET NO. 9
FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT				CONTRACT NO. 60F74



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 - - - - - PROPOSED SHOULDER RUMBLE STRIPS

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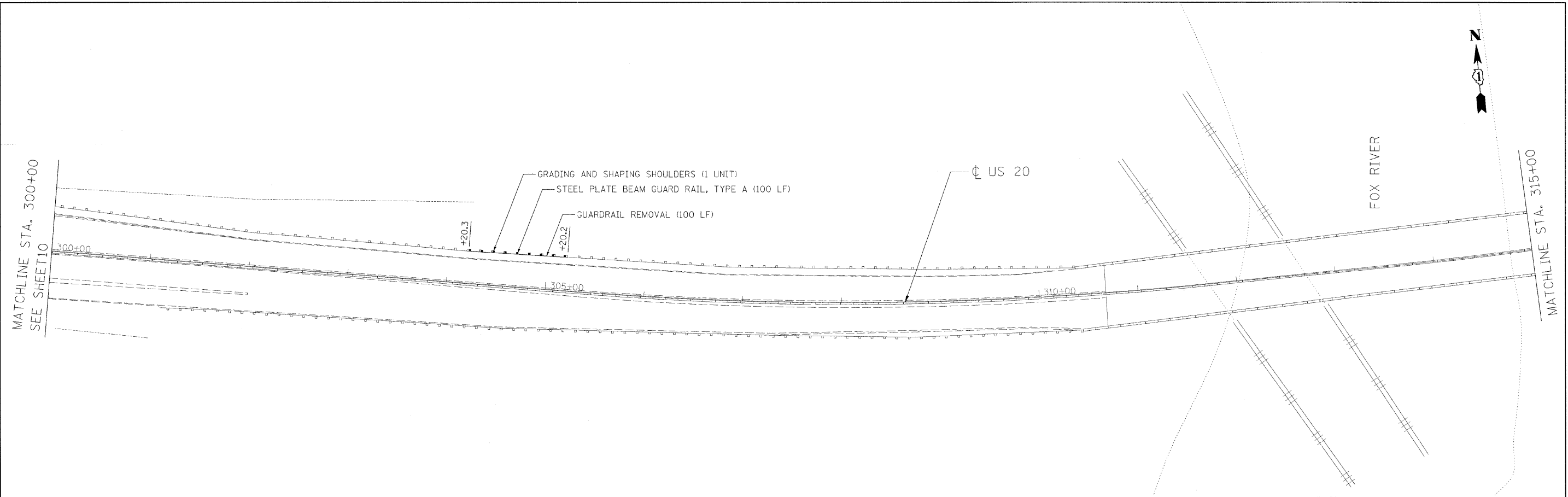
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAP 345 / US 20 (LAKE ST.)
 WELD ROAD TO BLUFF CITY BLVD/SHALES PARKWAY
 ROADWAY PLAN**

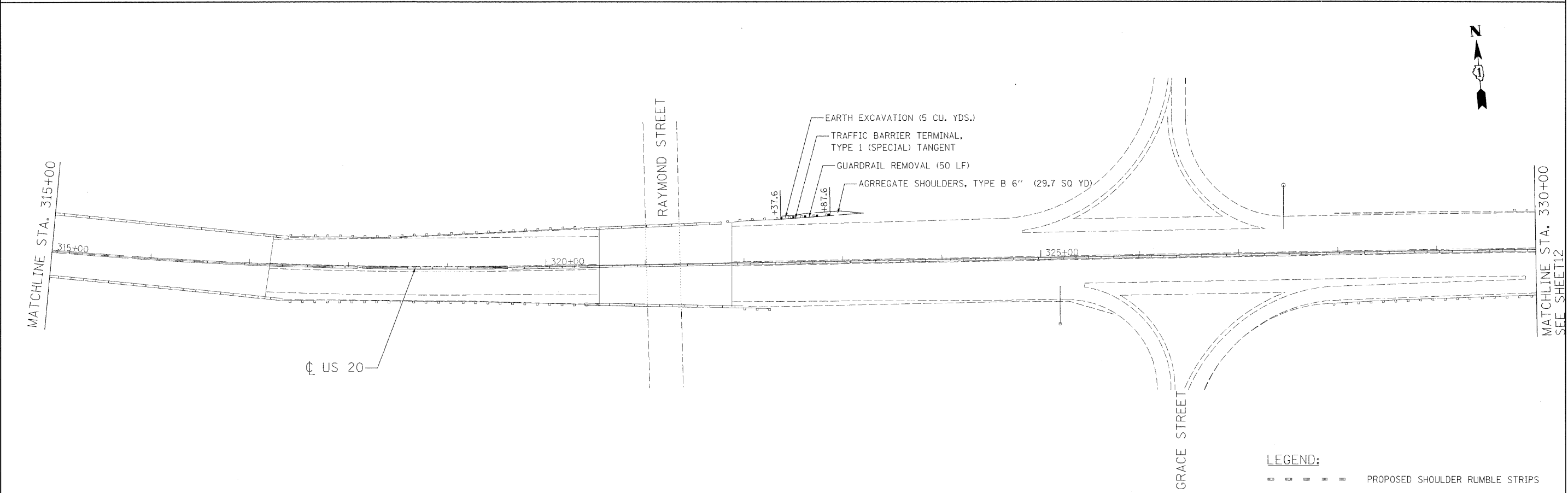
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CONTRACT NO. 60F74				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

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

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LEGEND:
 - - - - - PROPOSED SHOULDER RUMBLE STRIPS

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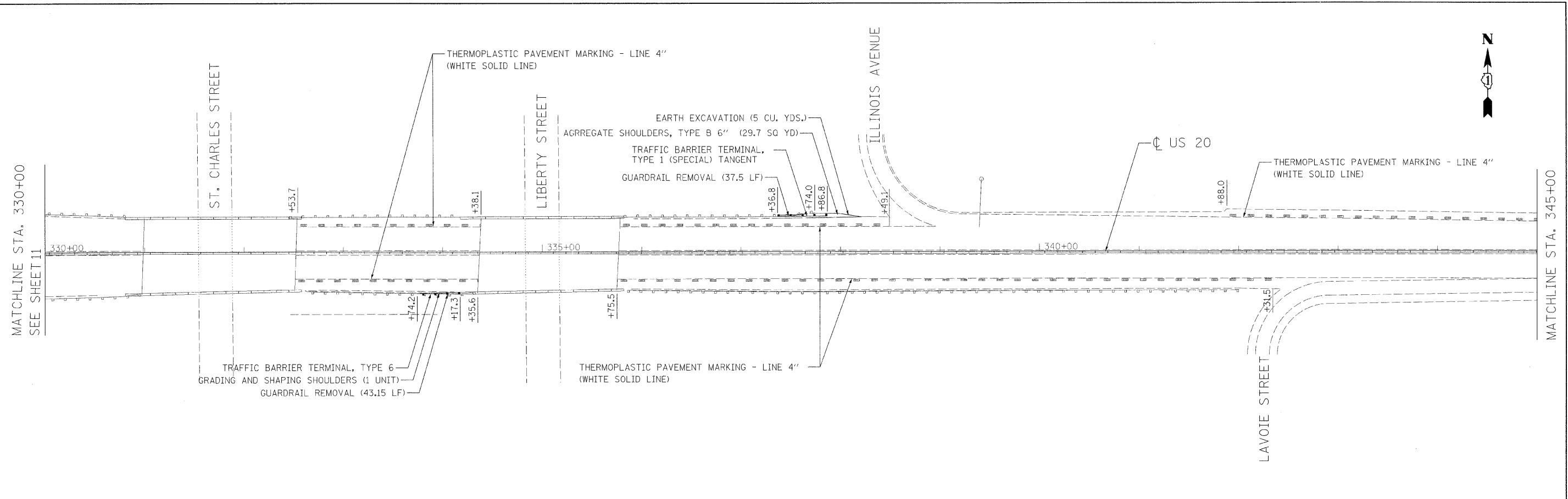
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FAP 345 / US 20 (LAKE ST.)
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ROADWAY PLAN

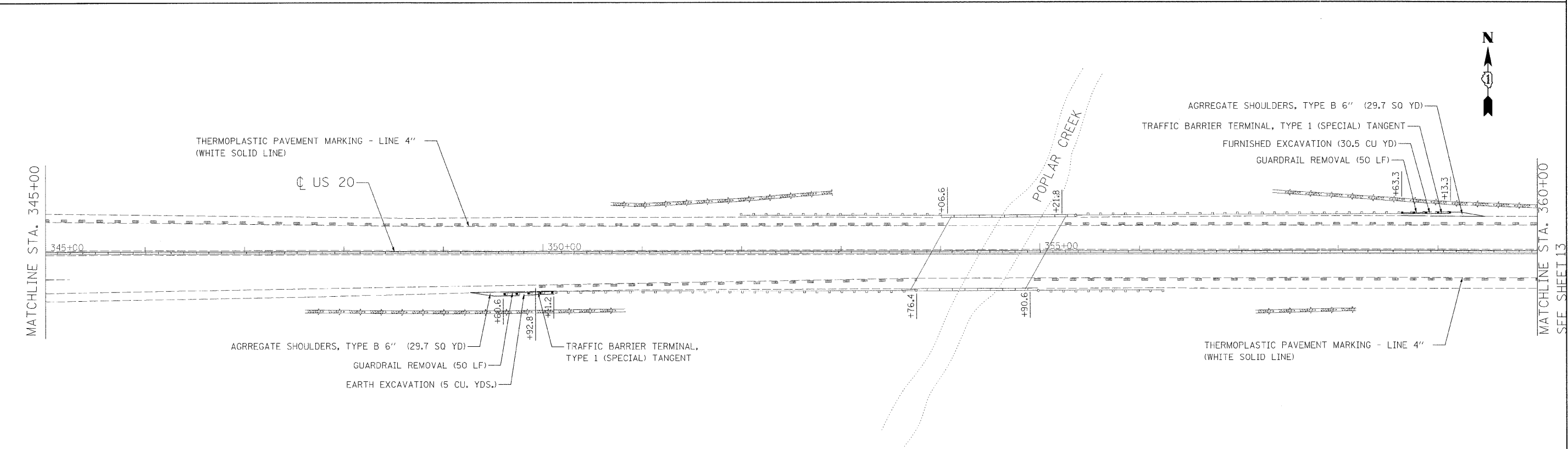
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60F74	

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

PLAN	DESIGNED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	GRADES CHECKED		
	STRUCTURE NOTATION		
	CADD FILE NAME		



PROFILE	DESIGNED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	GRADES CHECKED		
	STRUCTURE NOTATION		
	CADD FILE NAME		



LEGEND:
 --- --- --- --- --- PROPOSED SHOULDER RUMBLE STRIPS

FILE NAME = n:\proj\33569\33569_01\design\propose\plan\3365_01\2-Proposed.dgn

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

USER NAME = mready	DESIGNED - DD	REVISED -
PLOT SCALE = 50.0001' / IN.	DRAWN - DD	REVISED -
PLOT DATE = 12/23/2008	CHECKED - MJL	REVISED -
DATE - 12/23/2008	DATE - 12/23/2008	REVISED -

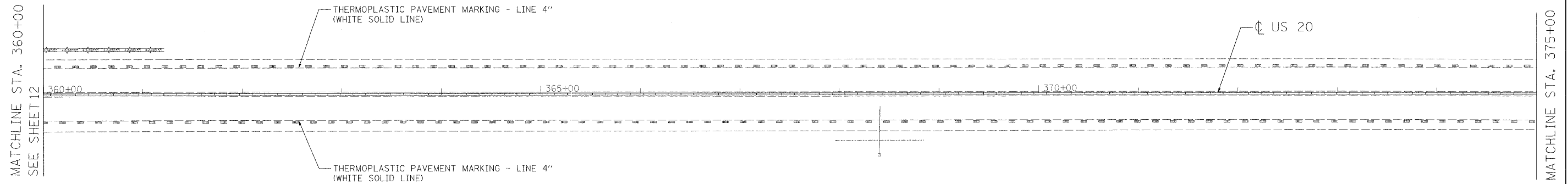
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAP 345 / US 20 (LAKE ST.)
 WELD ROAD TO BLUFF CITY BLVD/SHALES PARKWAY
 ROADWAY PLAN**

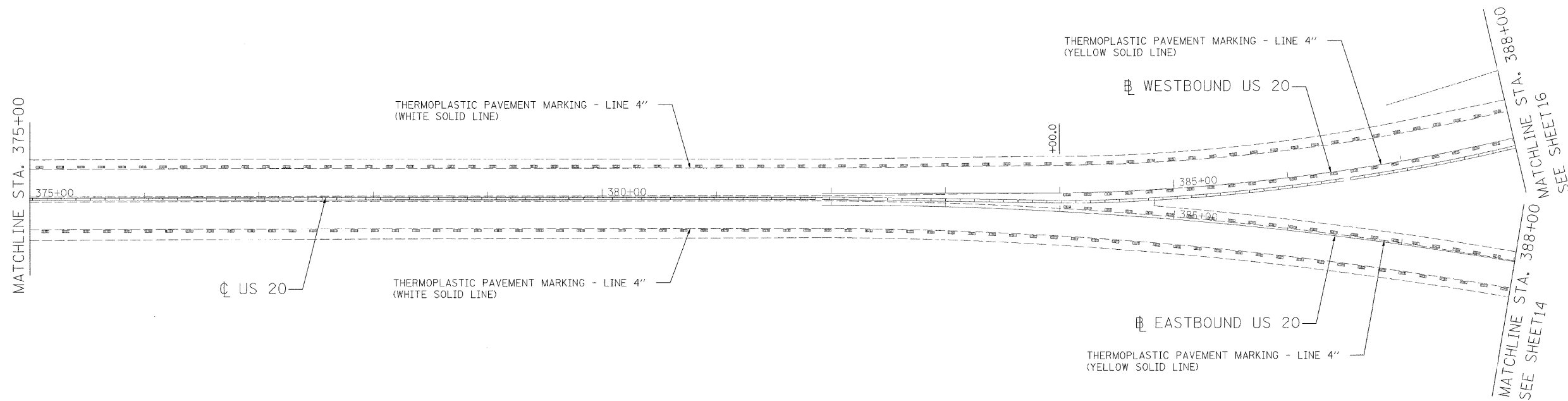
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F.A.P. RTE. 345	SECTION 2008-073 GRR	COUNTY COOK/KANE	TOTAL SHEETS 20	SHEET NO. 12
CONTRACT NO. 60F74				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

PLAN	DESIGNED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	GRABED		
	CHECKED		
	INT. OF WAY		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
	CHKD		
	NO.		
	FILE NAME		



PROFILE	DESIGNED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	GRABED		
	CHECKED		
	INT. OF WAY		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
	CHKD		
	NO.		
	FILE NAME		



LEGEND:
 - - - - - PROPOSED SHOULDER RUMBLE STRIPS



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 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402
 Chicago, Illinois 60656
 Tel. 773.775.4008 Fax 773.775.4014

USER NAME = mready	DESIGNED - DD	REVISED -
PLOT SCALE = 50.0001' / IN.	DRAWN - DD	REVISED -
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	DATE - 12/23/2008	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

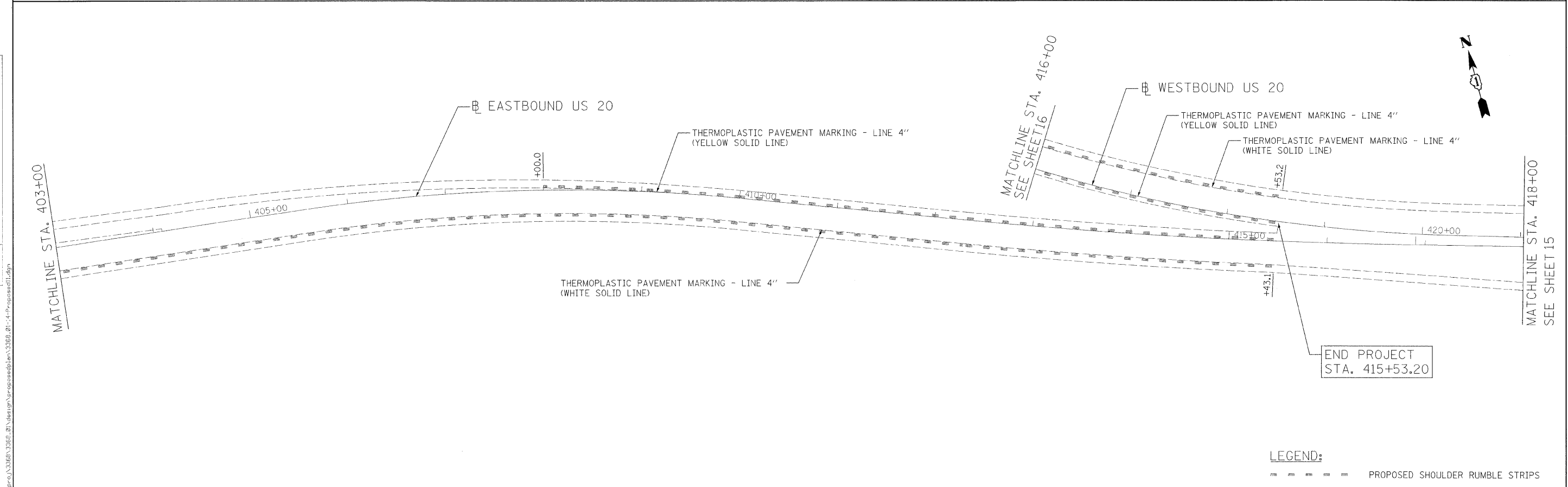
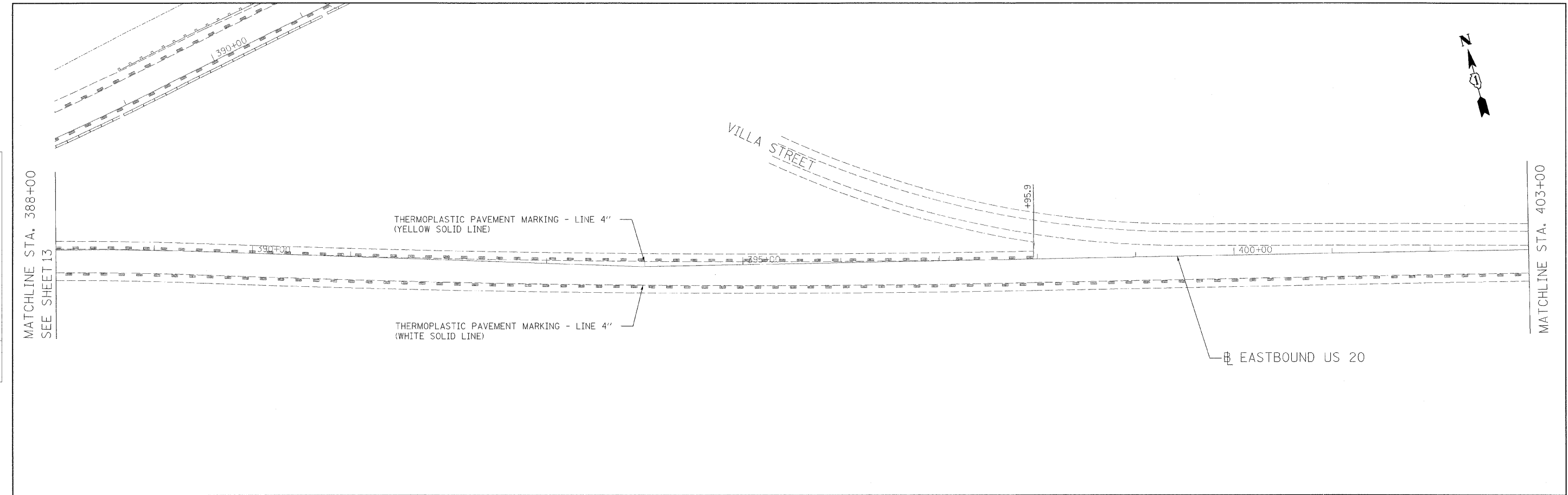
FAP 345 / US 20 (LAKE ST.)
 WELD ROAD TO BLUFF CITY BLVD/SHALES PARKWAY
 ROADWAY PLAN

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

F.A.P. RTE. 345	SECTION 2008-073 GRR	COUNTY COOK/KANE	TOTAL SHEETS 20	SHEET NO. 13
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
CONTRACT NO. 60F74				

PLAN	SUBMITTED	DATE
	PLOTTED	BY
	DESIGNED	
	CHECKED	
	REVISIONS	
	NOTES	
	NO.	
	FILE NAME	

PROFILE	SUBMITTED	DATE
	PLOTTED	BY
	DESIGNED	
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	REVISIONS	
	NOTES	
	NO.	
	FILE NAME	



LEGEND:
 - - - - - PROPOSED SHOULDER RUMBLE STRIPS

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 CONSULTING ENGINEERS
 6507 North Cumberland Avenue, Suite 402
 Chicago, Illinois 60656
 Tel. 773.775.4009 Fax 773.775.4014

USER NAME = m-ready	DESIGNED - DD	REVISED -
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	DATE - 12/23/2008	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

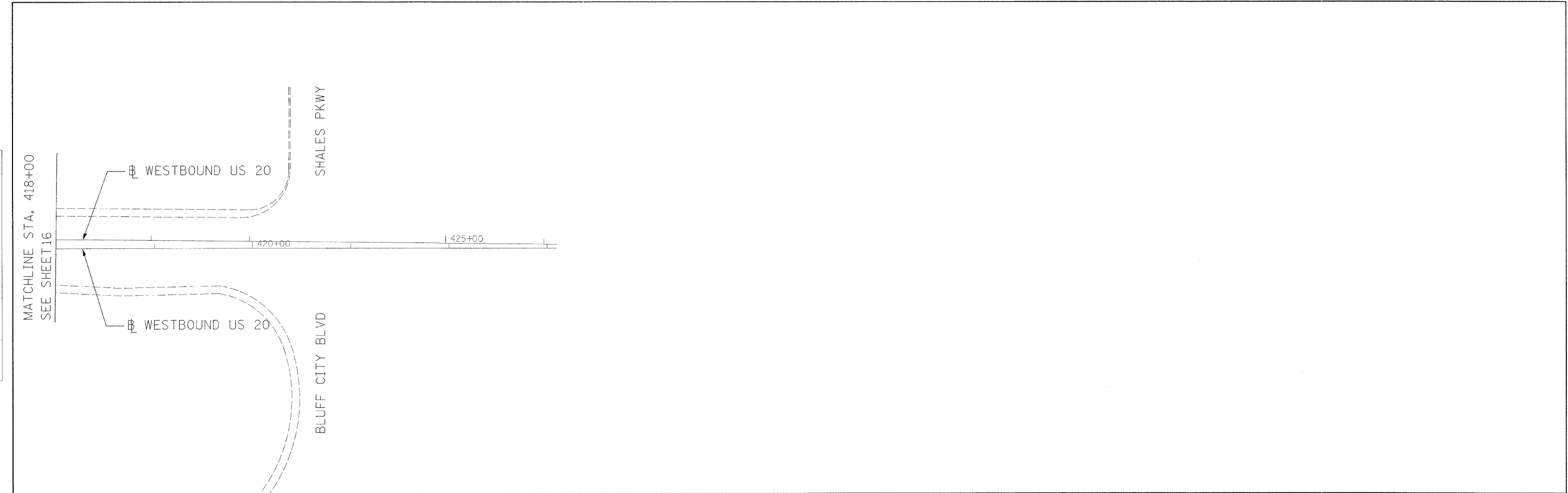
**FAP 345 /US 20 (LAKE ST.)
 WELD ROAD TO BLUFF CITY BLVD/SHALES PARKWAY
 ROADWAY PLAN**

F.A.P. RTE. 345	SECTION 2008-073 GRR	COUNTY COOK/KANE	TOTAL SHEETS 20	SHEET NO. 14
CONTRACT NO. 60F74				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

PLAN	REVISIONS	DATE
NO.	BY	
NOTE BOOK	DESIGNED	
NO.	CHECKED	
	PLOTTED	
	DATE	
	FILE NAME	

PROFILE	REVISIONS	DATE
NO.	BY	
NOTE BOOK	DESIGNED	
NO.	CHECKED	
	PLOTTED	
	DATE	
	FILE NAME	



LEGEND:
 --- --- --- --- --- PROPOSED SHOULDER RUMBLE STRIPS

FILE NAME: c:\p\345\345\345\345.dgn

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

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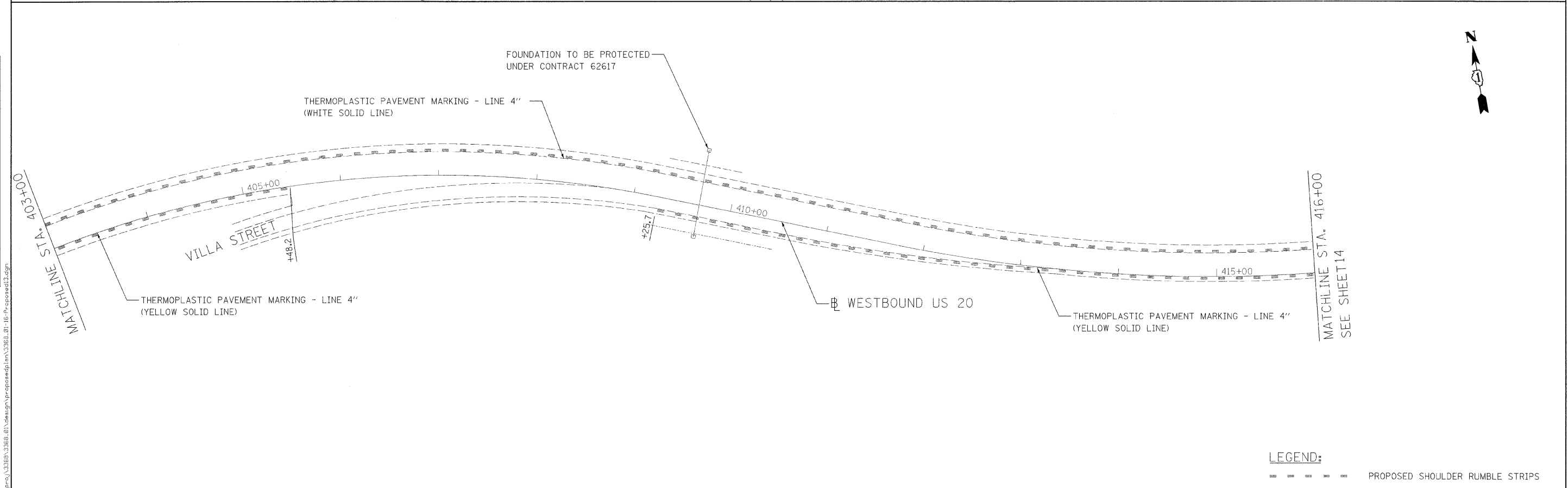
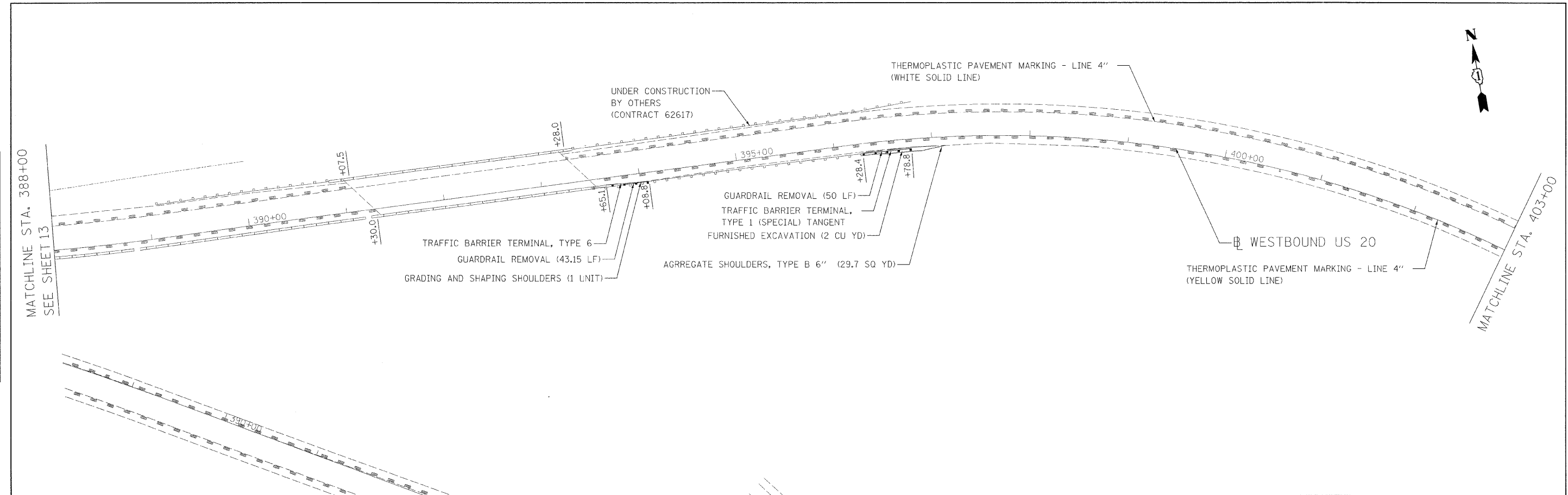
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FAP 345 /US 20 (LAKE ST.)
 WELD ROAD TO BLUFF CITY BLVD/SHALES PARKWAY
 ROADWAY PLAN**

F.A.P. RTE. 345	SECTION 2008-073 GRR	COUNTY COOK/KANE	TOTAL SHEETS 20	SHEET NO. 15
SCALE:				CONTRACT NO. 60F74
SHEET NO. OF SHEETS STA. TO STA.		FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT		

PLAN	DATE
BY	
DESIGNED	
DRAWN	
CHECKED	
NOTED	
NO.	
FILE NAME	

PROFILE	DATE
BY	
DESIGNED	
DRAWN	
CHECKED	
NOTED	
NO.	
FILE NAME	



LEGEND:
 --- --- --- --- --- PROPOSED SHOULDER RUMBLE STRIPS

Ciorba Group, Inc.
 CONSULTING ENGINEERS
 5507 North Cumberland Avenue, Suite 402
 Chicago, Illinois 60666
 Tel. 773.775.4009 Fax 773.775.4014

USER NAME = mreedy	DESIGNED - DD	REVISED -
PLOT SCALE = 50.0000' / 1"	DRAWN - DD	REVISED -
PLOT DATE = 12/23/2008	CHECKED - MJL	REVISED -
	DATE - 12/23/2008	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

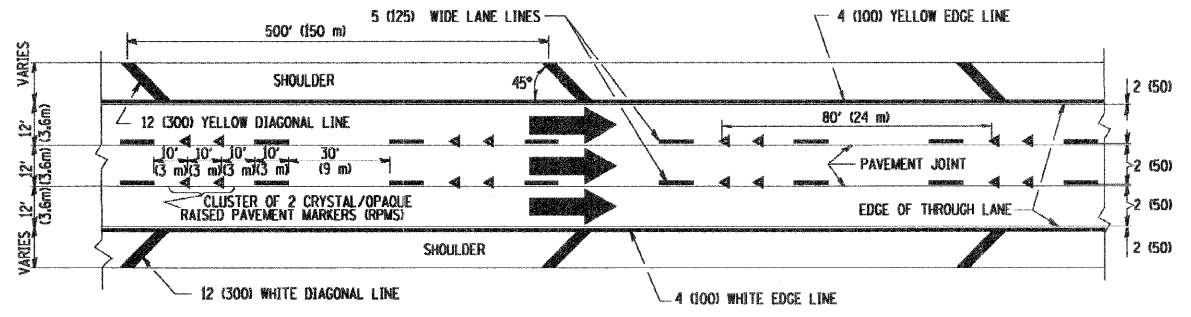
**FAP 345 /US 20 (LAKE ST.)
 WELD ROAD TO BLUFF CITY BLVD/SHALES PARKWAY
 ROADWAY PLAN**

F.A.P. RTE. 345	SECTION 2008-073 GRR	COUNTY COOK/KANE	TOTAL SHEETS 20	SHEET NO. 16
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60F74	

FILE NAME = c:\prow\3366\3366_01\design\proposed\plan\3366_01_16_Proposed3.dgn

CONTRACT NO.			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
345	2008-073 GRR	COOK/KANE	20
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

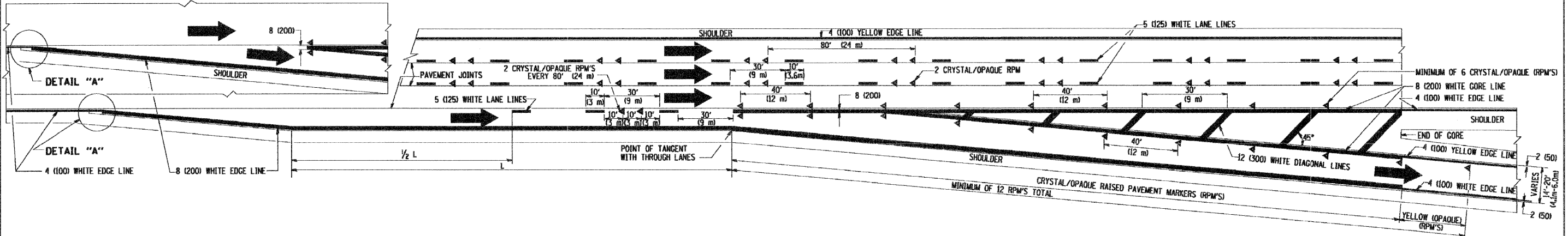
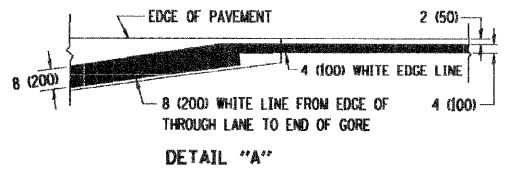
THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH
THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH



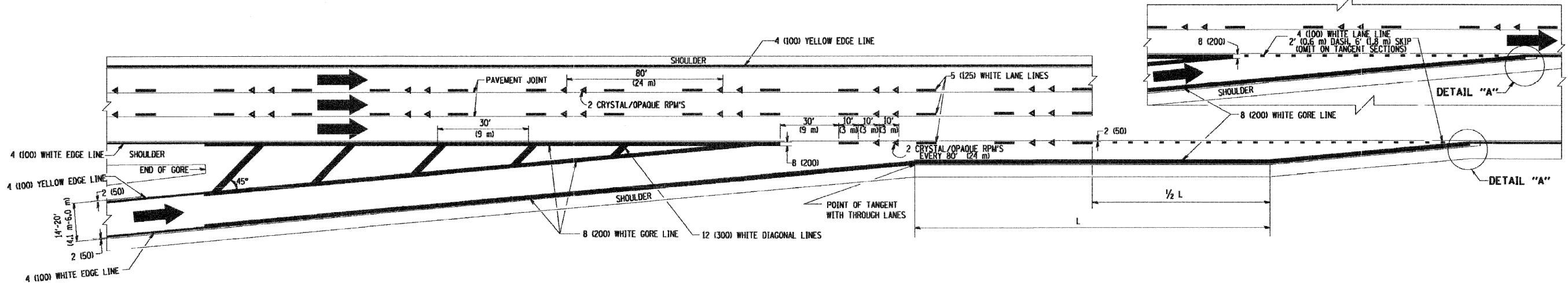
TYPICAL EDGE LINES & LANE LINES

NOTES:

1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
2. PREFORMED PLASTIC TYPE B PAVEMENT MARKING LINE SHALL BE USED FOR ALL LANE LINES ON BITUMINOUS PAVEMENT
3. POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC



TYPICAL EXIT RAMP PAVEMENT MARKINGS



TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS

REVISIONS	NAME	DATE
	DWS	1/90
	DWS	5/91
	AH	3/96
	DWS	7/96
	JAF	2/06
	SPB	1/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
MULTI-LANE FREEWAY
PAVEMENT MARKING
DETAILS

SCALE: NONE

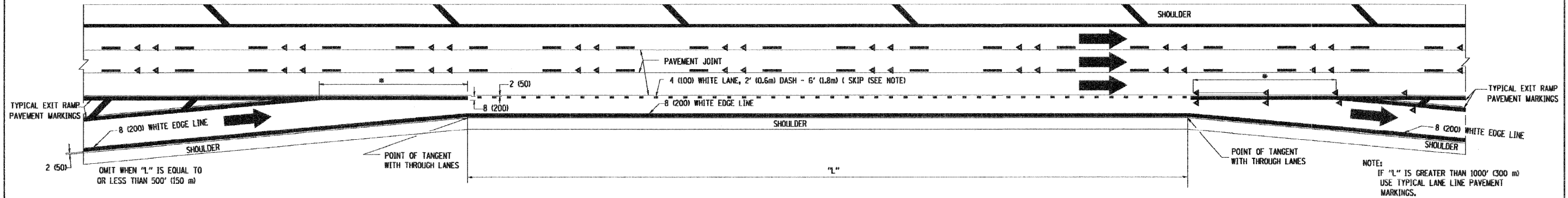
DRAWN BY C.A.D.J.

CHECKED BY

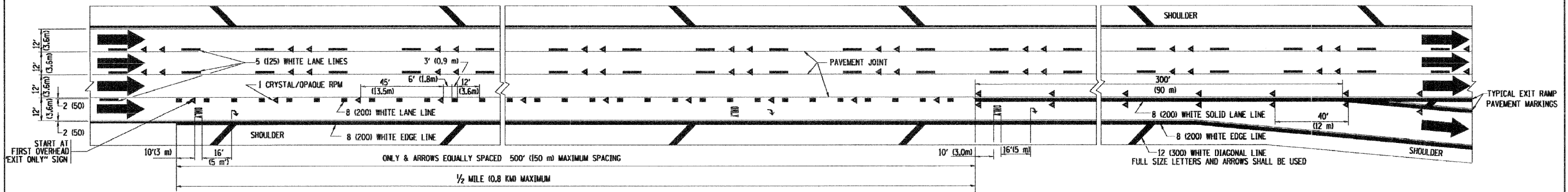
TC12 SHEET 1 OF 2

PLOT DATE: 3/15/2007
FILE NAME: I:\K12141012.dgn
PLOT SCALE: 1/8" = 1'-0"
USER NAME: jbaugh

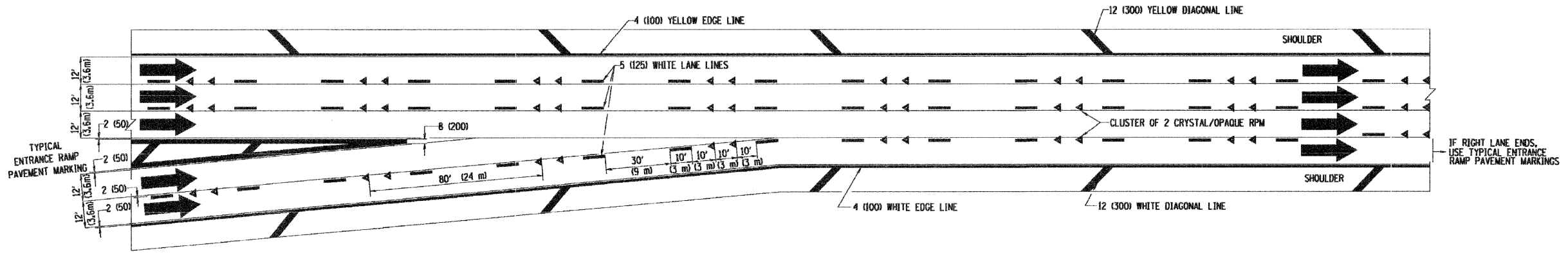
CONTRACT NO.		TOTAL SHEETS		SHEET NO.	
F.A.P. RTE.	SECTION	COUNTY	20	18	
345	2008-073 GRR	COOK/KANE			
STA.		TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT			



TYPICAL ENTRANCE/EXIT RAMP COMBINATION PAVEMENT MARKINGS



TYPICAL EXIT ONLY LANE PAVEMENT MARKINGS



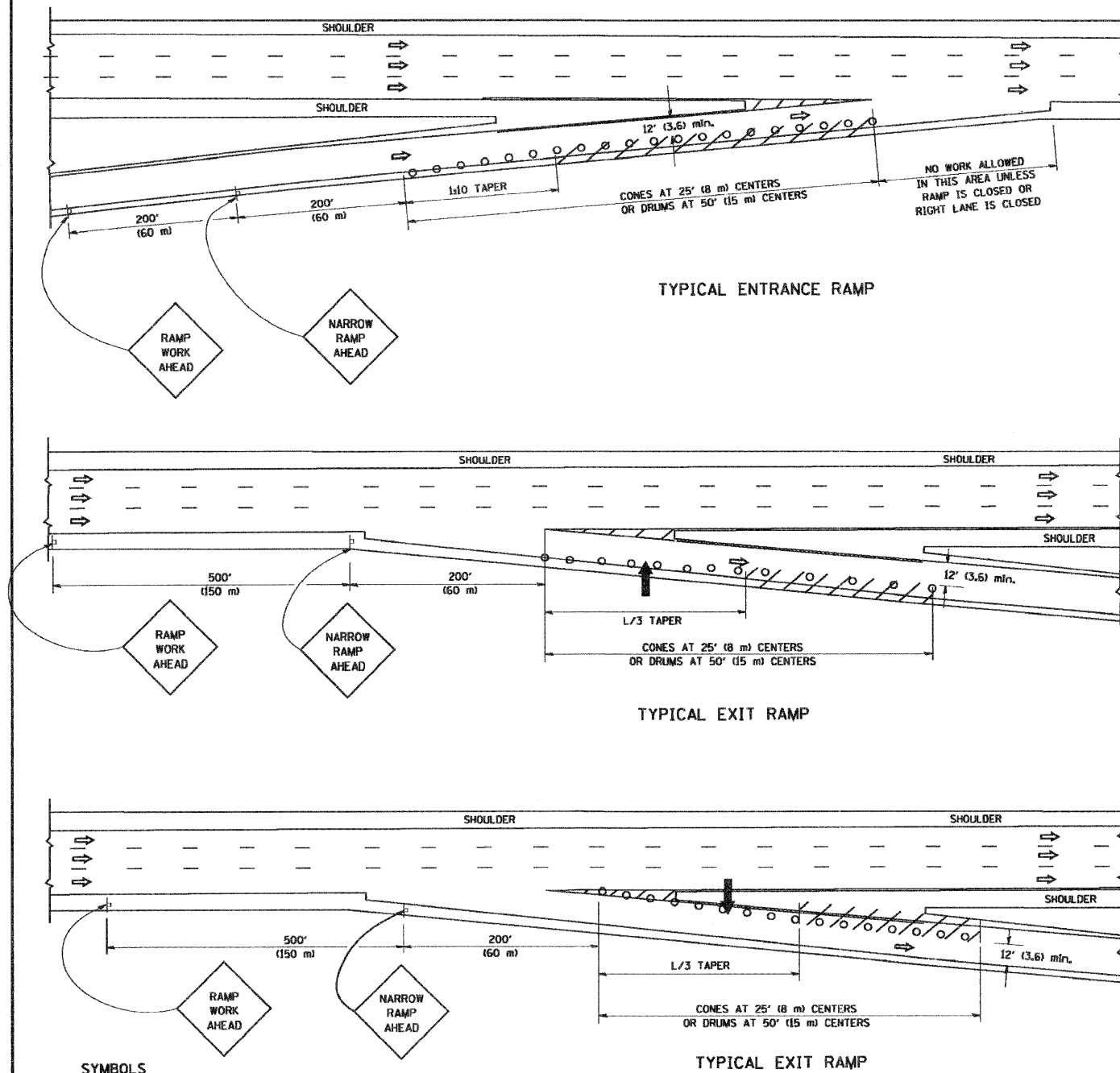
TYPICAL TWO LANE ENTRANCE RAMP PAVEMENT MARKINGS

PLOT DATE = 3/6/2007
 FILE NAME = K:\GIS\2008\12.dgn
 PLOT SCALE = 0.8000 / 1" = 100'
 USER NAME = bshard

REVISIONS		
NAME	DATE	
DWS	1/90	
DWS	5/91	
SPB	1/07	

ILLINOIS DEPARTMENT OF TRANSPORTATION
 MULTI-LANE FREEWAY
 PAVEMENT MARKING
 DETAILS
 SCALE: NONE
 DRAWN BY C.A.D.D.
 CHECKED BY
 TC12 SHEET 2 OF 2

PARTIAL RAMP CLOSURE DETAILS



SYMBOLS

- ARROWBOARD
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE

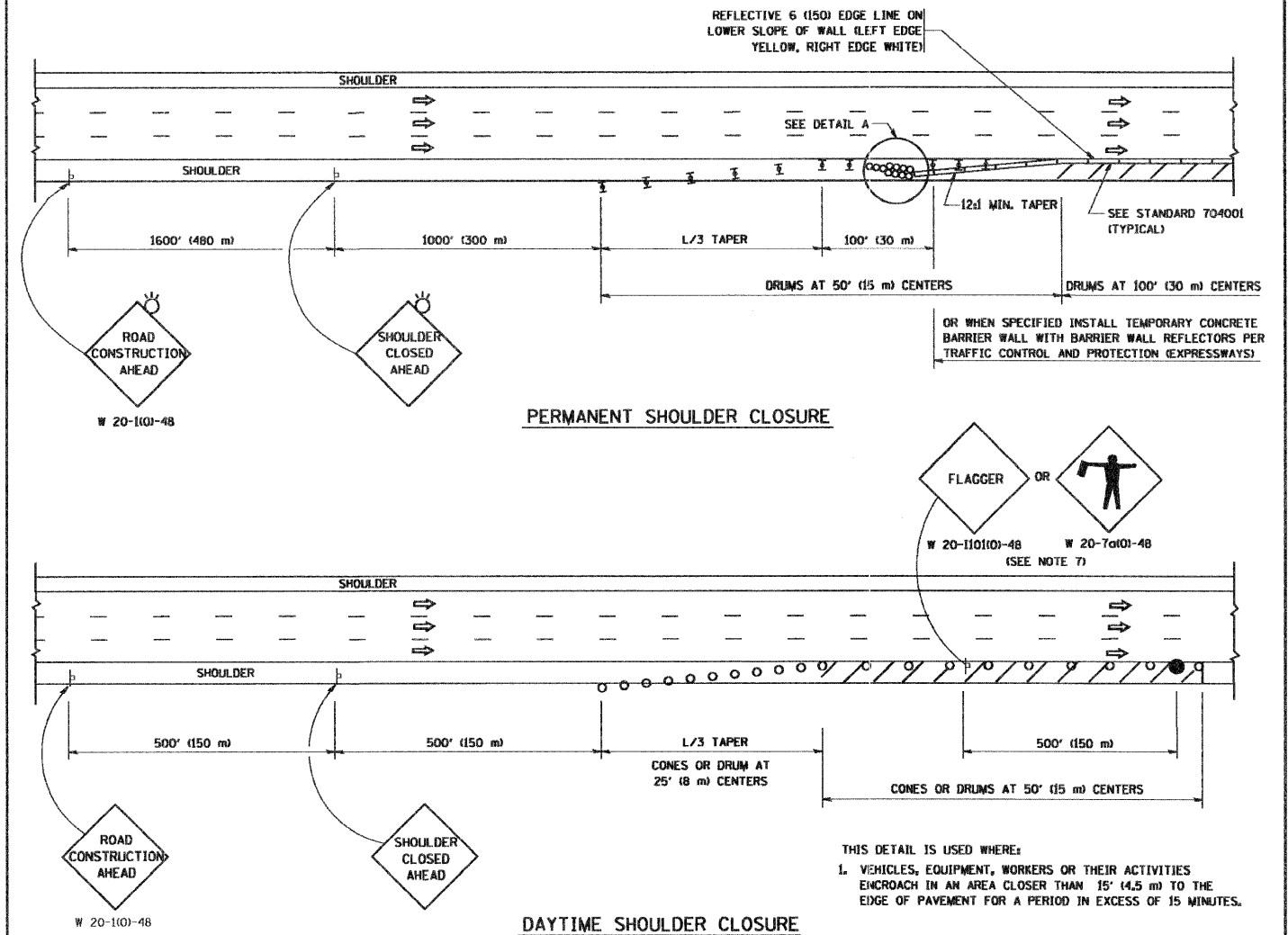
GENERAL NOTES

1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER:	METRIC ENGLISH
	$L = 0.65(W)(S)$ $L = (W)(S)$

W = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

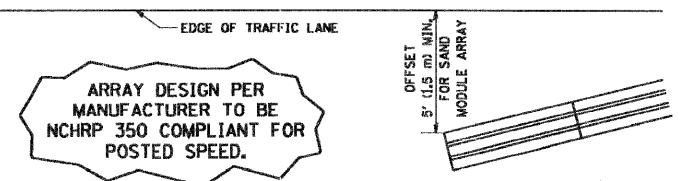
SHOULDER CLOSURE DETAILS



PERMANENT SHOULDER CLOSURE

DAYTIME SHOULDER CLOSURE

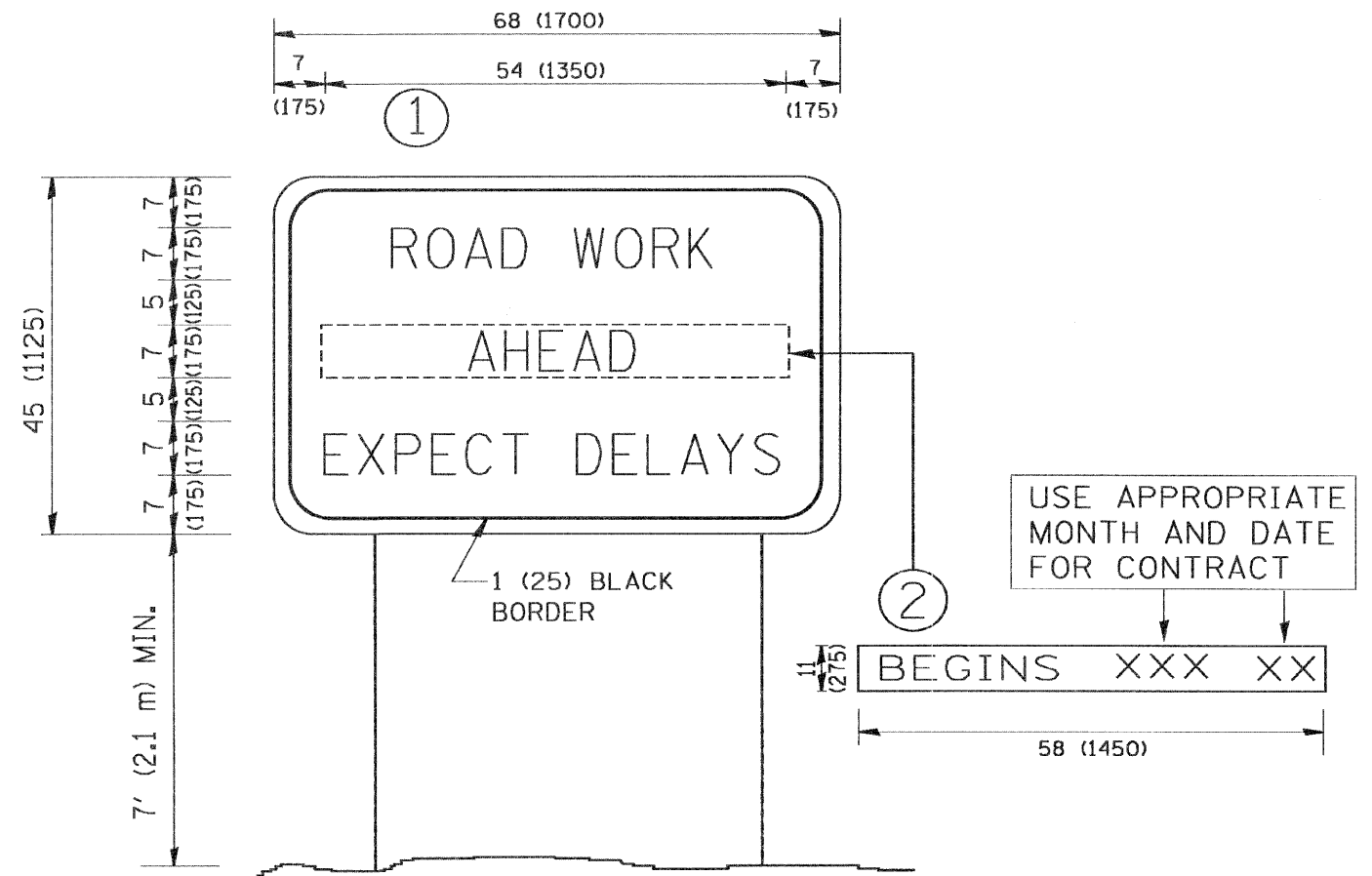
THIS DETAIL IS USED WHERE:
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCR OACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



DETAIL "A" IMPACT ATTENUATOR, TEMPORARY (SEE NOTE 5)

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

FILE NAME = W:\dist\tdr\22x34\tdr17.dgn	USER NAME = geg\lenobt	DESIGNED -	REVISED - J.A.F. 12-02	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES	F.A.R. RTE. 345	SECTION 2008-073 GRR	COUNTY COOK/KANE	TOTAL SHEETS 20	SHEET NO. 19	
PLOT SCALE = 50.0000' / IN.	DRAWN - D.W.S.	REVISI O - 04-03	REVISI O - J.A.F. 12-06		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 60F74		
PLOT DATE = 1/4/2008	CHECKED -	REVISI O - S.P.B. 01-07			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						
	DATE - 11-96										



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 = W:\disttd\22x34\to22.dgn	USER NAME = geglionobt	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN			F.A.R. RTE. 345	SECTION 2008-073 GRR	COUNTY COOK/KANE	TOTAL SHEETS 20	SHEET NO. 20
	PLOT SCALE = 50,000 ' / IN.	DRAWN -	REVISED - R. MIRS 12-11-97		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	TC-22		CONTRACT NO. 60F74	
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - T. RAMMACHER 02-02-99		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							
		DATE -	REVISED - C. JUCIUS 01-31-07									