

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2011-094-GRR	COOK	30	1
		ILLINOIS	CONTRACT NO. 60R22	

* VARIOUS ROUTES

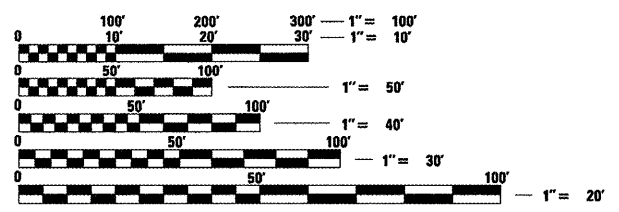
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

VARIOUS ROUTES
SECTION 2011-094-GRR
VARIOUS LOCATIONS IN SOUTHERN COOK COUNTY
GUARDRAIL IMPROVEMENTS
PROJECT: *HSIP-0005(880)*
COOK COUNTY
C-91-049-12

TRAFFIC DATA

IL 1 EXISTING ADT = 25,400 SPEED LIMIT = 35-45 MPH	WILLIAMS STREET EXISTING ADT = 17,000 SPEED LIMIT = 40 MPH
IL 171 EXISTING ADT = 13,900-34,000 SPEED LIMIT = 45-50 MPH	131ST STREET EXISTING ADT = 11,800 SPEED LIMIT = 35-40 MPH
IL 43 EXISTING ADT = 7,000-29,100 SPEED LIMIT = 55 MPH	135TH STREET EXISTING ADT = 9,700 SPEED LIMIT = 20-50 MPH
IL 50 EXISTING ADT = 14,900-18,400 SPEED LIMIT = 35-40 MPH	183RD STREET EXISTING ADT = 17,000 SPEED LIMIT = 50 MPH
IL 83 EXISTING ADT = 17,000-24,800 SPEED LIMIT = 45 MPH	26TH STREET EXISTING ADT = 2,750-14,500 SPEED LIMIT = 40 MPH
SOUTHWEST HIGHWAY EXISTING ADT = 11,500-16,500 SPEED LIMIT = 45-50 MPH	CHICAGO ROAD EXISTING ADT = 6,000 SPEED LIMIT = 35 MPH
THORNTON ROAD EXISTING ADT = 7,200-32,000 SPEED LIMIT = 55 MPH	CRAWFORD ROAD EXISTING ADT = 11,900-18,600 SPEED LIMIT = 40-45 MPH
TORRENCE AVENUE EXISTING ADT = 6,700-12,700 SPEED LIMIT = 45-50 MPH	DIXIE HIGHWAY EXISTING ADT = 10,700-16,000 SPEED LIMIT = 35-40 MPH
US 1220 EXISTING ADT = 17,500-21,900 SPEED LIMIT = 35-40 MPH	GLENWOOD DRYER ROAD EXISTING ADT = 19,200-20,200 SPEED LIMIT = 40 MPH
US 6 EXISTING ADT = 14,200-38,400 SPEED LIMIT = 40 MPH	GOVERNORS HIGHWAY EXISTING ADT = 8,700-12,200 SPEED LIMIT = 40-45 MPH
WESTERN AVENUE EXISTING ADT = 19,200-20,200 SPEED LIMIT = 25-35 MPH	

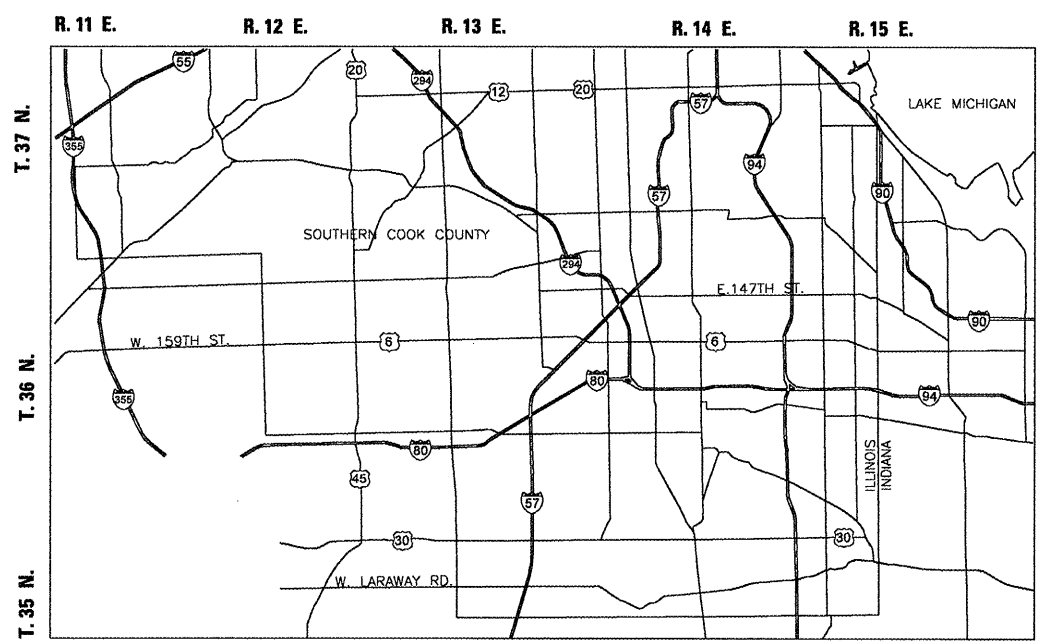


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: PETER JOHNSTON (GRAEF) 773-399-0112
PROJECT MANAGER: KEN ENG (IDOT) 847-705-4247

CONTRACT NO. 60R22



TOWNSHIPS BLOOM, BREMEN, CALUMENT, HYDE PARK, LAKE, LEMONT, ORLAND, PALOS, RICH, THORNTON, AND WORTH

THE PROJECT IS LOCATED IN THE CITIES OF: PALOS HEIGHTS, COUNTRY CLUB HILLS, HOMETOWN, HARVEY, CHICAGO, HICKORY HILLS, CALUMET CITY, BLUE ISLAND, BERWYN AND MARKHAM AND IN THE VILLAGES OF: GLENWOOD, LEMONT, ORLAND PARK, TINLEY PARK, MATTESON, RICHTON PARK, THORNTON, SAUK VILLAGE, PALOS PARK, CRESTWOOD, PARK FOREST, FLOSSMOOR AND HOMEWOOD.



LOCATION OF SECTION INDICATED THIS: - [black rectangle]

REGISTERED PROFESSIONAL ENGINEER
PETER M. JOHNSTON
062-047647
STATE OF ILLINOIS
Peter M. Johnston
1-26-12
LICENSE EXPIRES 11-30-2011

GRAEF 8501 W. Higgins Road; Suite 280
Chicago, Illinois 60631
(773) 399-0112

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
SUBMITTED JANUARY 30, 2012
Diane M. O'Keefe DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
MARCH 23, 2012
John D. Baranzelli, P.E. acting ENGINEER OF DESIGN AND ENVIRONMENT
MARCH 23, 2012
William R. Freyer acting DIRECTOR OF HIGHWAYS, CIVIL ENGINEER

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX, HIGHWAY STANDARDS, AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	LOCATION MAP
5-26	ROADWAY PLAN
27	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD24)
28	DETAILS FOR DEPRESSED CURB AND GUTTER AND SHOULDER TREATMENT AT TBT TY 1 SPL (BD34)
29	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
30	ARTERIAL ROAD INFORMATION SIGNING (TC22)

HIGHWAY STANDARDS

STD. NO.	TITLE
542301 -03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542401 -01	METAL END SECTION FOR PIPE CULVERTS
606001 -04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630001 -10	STEEL PLATE BEAM GUARDRAIL
630101 -09	GUARDRAIL MOUNTED ON EXISTING CULVERTS
630106	LONG-SPAN GUARDRAIL OVER CULVERT
630201 -06	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301 -05	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011 -08	TRAFFIC BARRIER TERMINAL, TYPE 2
631031 -10	TRAFFIC BARRIER TERMINAL TYPE 6
635006 -03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011 -02	REFLECTOR MARKER AND MOUNTING DETAILS
701006 -03	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24' (600 mm) FROM PAVEMENT EDGE
701101 -02	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24' (600 mm) FROM PAVEMENT EDGE
701326 -04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
701421 -04	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701901 -02	TRAFFIC CONTROL DEVICES
	701201 -04
	701301 -04
	701604 -08
	701701 -08

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT 800-892-0123 OR "CUAN" (CHICAGO UTILITY ALERT NETWORK), 312-744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES (48 HOUR NOTIFICATION IS REQUIRED).
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND LOCAL AGENCIES.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 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 CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM 72 HOURS IN ADVANCE OF BEGINNING WORK.
- WHEN GUARDRAIL POSTS ARE PLACED BEHIND CONCRETE HEADWALLS, THE POSTS SHALL NOT BE PLACED TO BLOCK THE DRAINAGE OPENING.
- FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLAN.
- THE COST OF CONNECTING EXISTING STORM SEWERS TO PROPOSED DRAINAGE STRUCTURES WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE COST OF THE VARIOUS PROPOSED DRAINAGE ITEMS.
- THE CONTRACTOR SHALL ONLY PERFORM WORK ON ONE SIDE OF THE ROAD AT ANY TIME.
- THE CONTRACTOR SHALL SUSPEND GUARDRAIL REMOVAL OPERATIONS WHENEVER THE AMOUNT OF REMOVED GUARDRAIL EXCEEDS TWO DAYS PRODUCTION TO REPLACE THE GUARDRAIL.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
SHOULDER	
HOT-MIX ASPHALT SHOULDER (HMA BINDER IL 19 mm) 6"	4% @ 50 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE A IS 112 LBS/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

FILE NAME	USER NAME = USER	DESIGNED - EF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL IMPROVEMENTS - SOUTHERN COOK COUNTY INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 2/6/2012	DATE - 02-07-2012	REVISED -	SCALE: 50	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.			

Rev-

SUMMARY OF QUANTITIES

90% FED.
URBAN 10% STATE

PAY ITEM NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	0021 SAFETY
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	134	134
21101815	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	5,968	5,968
25000210	SEEDING, CLASS 2A	ACRE	1.23	1.23
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	111	111
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	111	111
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	111	111
25100630	EROSION CONTROL BLANKET	SQ YD	5,968	5,968
42001300	PROTECTIVE COAT	SQ YD	839	839
48101620	AGGREGATE SHOULDERS, TYPE B 10"	SQ YD	10,653	10,653
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	235	235
60104400	CONCRETE HEADWALL REMOVAL	EACH	1	1
60105220	PIPE CULVERT REMOVAL	FOOT	2	2
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1
54213876	STEEL END SECTIONS 21"	EACH	1	1
63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A 6 FOOT POSTS	FOOT	1,319	1,319
63000370	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	FOOT	350	350
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	15	15
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	21	21
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	143	143
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	2	2
63200310	GUARDRAIL REMOVAL	FOOT	8,423	8,423
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MQ	6	6
67100100	MOBILIZATION	L SUM	1	1
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
78200420	GUARDRAIL MARKERS, TYPE B	EACH	226	226
78201000	TERMINAL MARKER DIRECT APPLIED	EACH	144	144
X2503100	MOWING	UNIT	537	537
X6310195	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT), MODIFIED	EACH	6	6
Z0004562	COMBINATION CONCRETE CURB & GUTTER, REMOVAL & REPLACEMENT	FOOT	2,516	2,516
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	257	257
Z0048865	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1

20064600 SELECTIVE CLEARING UNIT 2 2

70100450 TRAFFIC CONTROL AND PROTECTION STANDARD 701201 L SUM 1 1

70102625 TRAFFIC CONTROL AND PROTECTION STANDARD 701606 L SUM 1 1

Δ Non-participating (100% State)

FILE NAME *	USER NAME * .USER.	DESIGNED - EF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL IMPROVEMENTS - SOUTHERN COOK COUNTY SUMMARY OF QUANTITIES			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Rev.



* NO WORK REQUIRED.

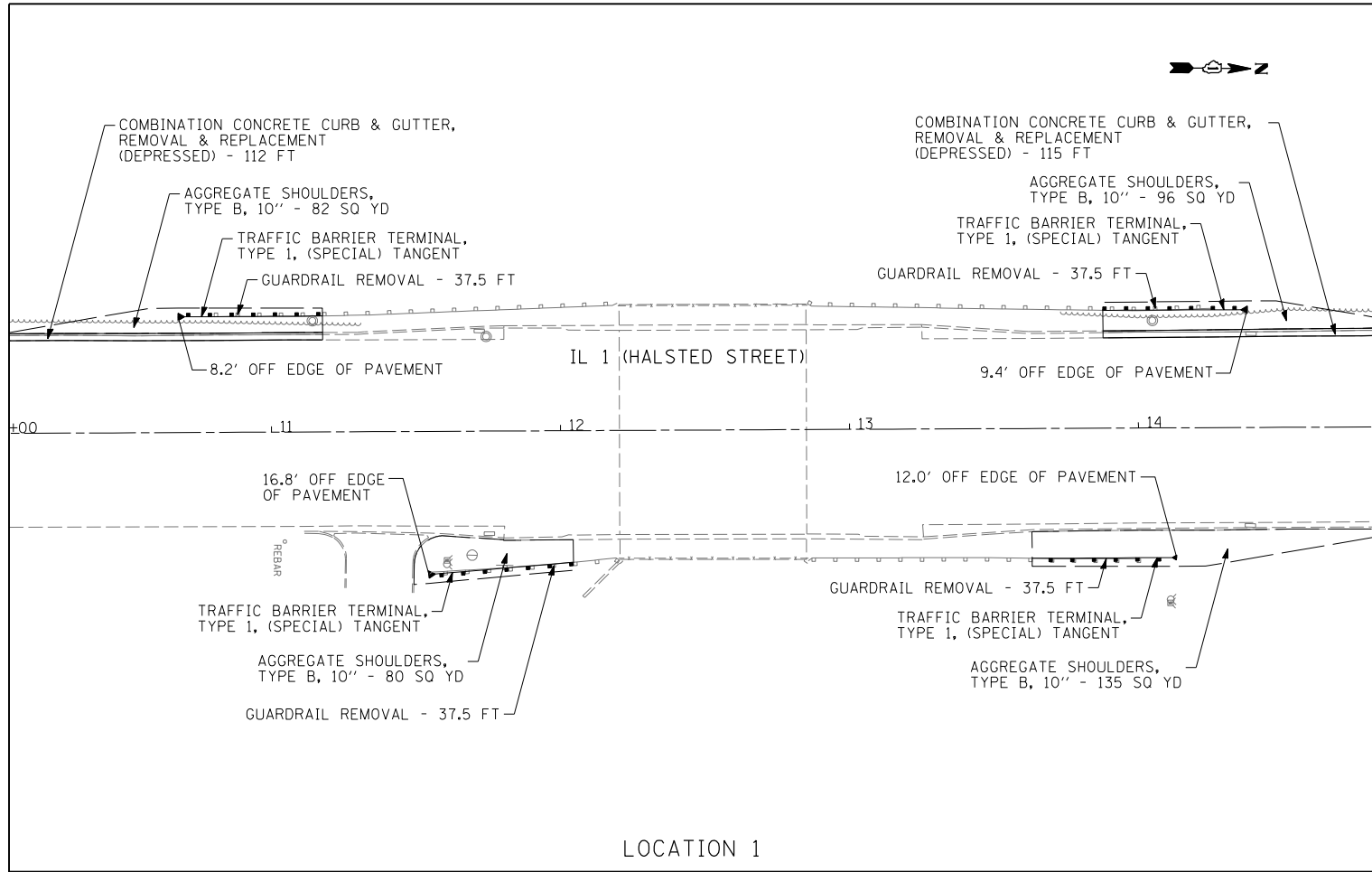
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

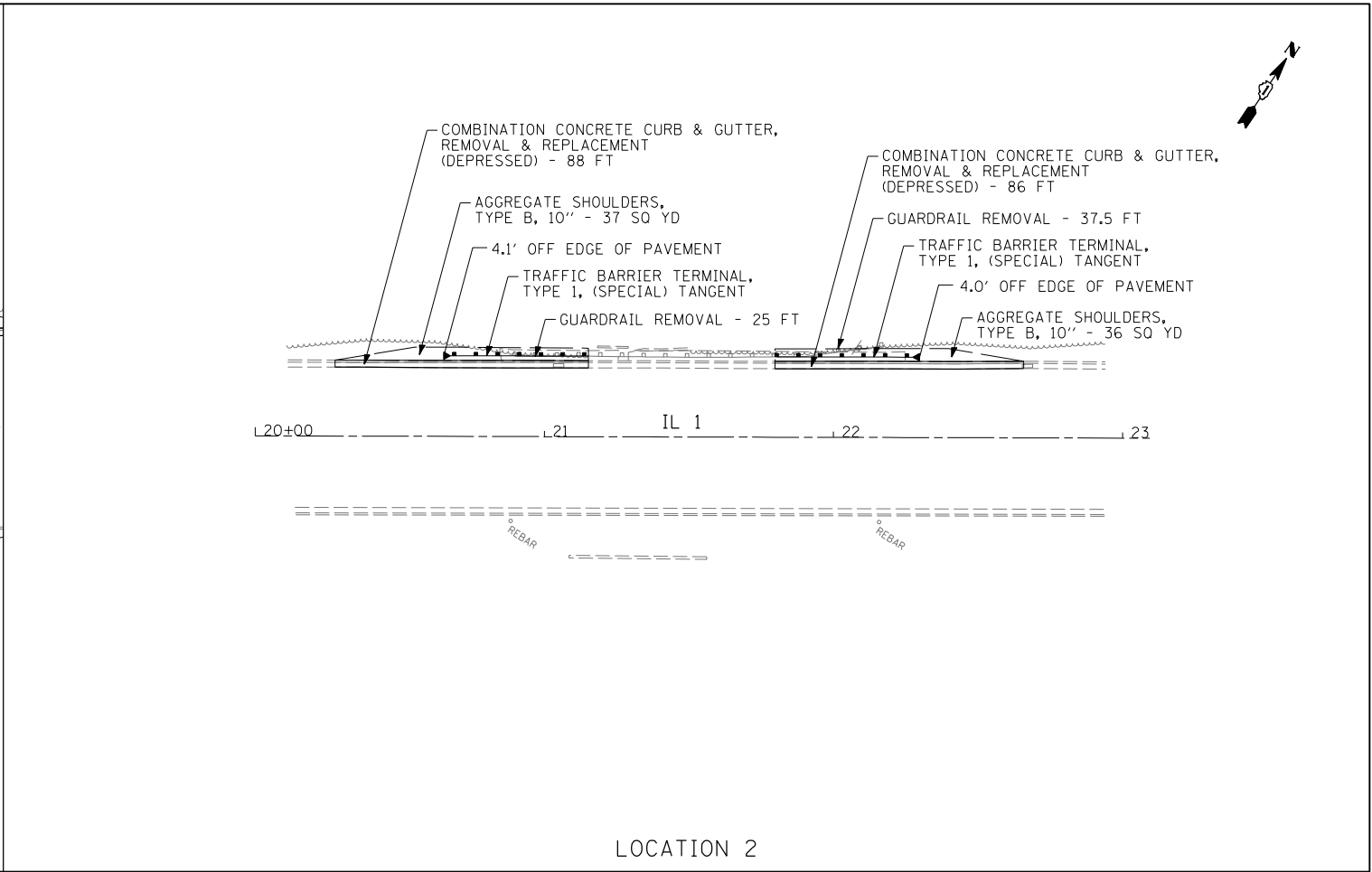
**GUARDRAIL IMPROVEMENTS - SOUTHERN COOK COUNTY
LOCATION MAP**

SCALE: 50 SHEET NO. 1 OF 1 SHEETS STA. TO STA.

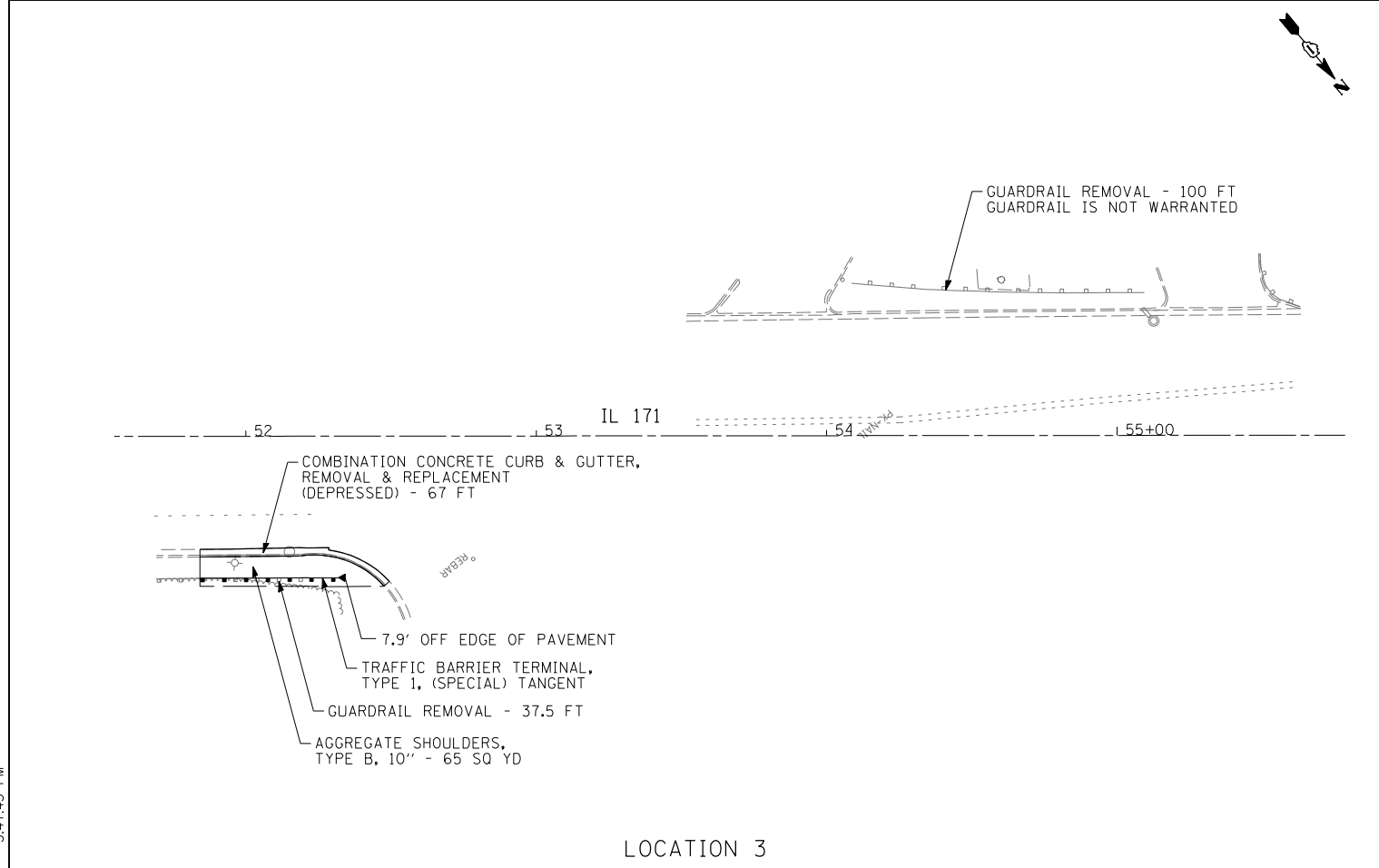
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•	VARIOUS ROUTES	CONTRACT NO. 60R22		
	ILLINOIS FED. AID PROJECT			



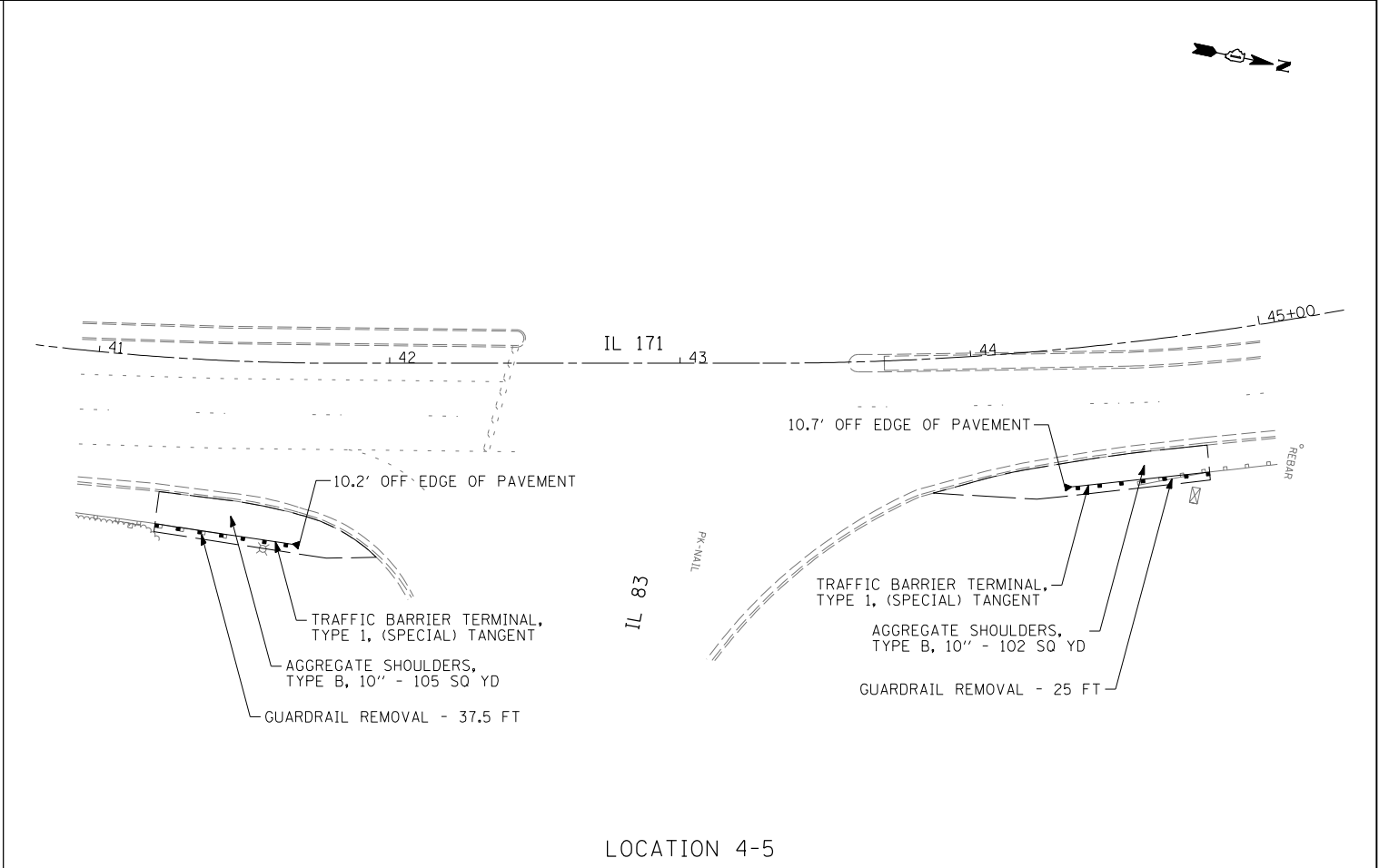
LOCATION 1



LOCATION 2



LOCATION 3



LOCATION 4-5

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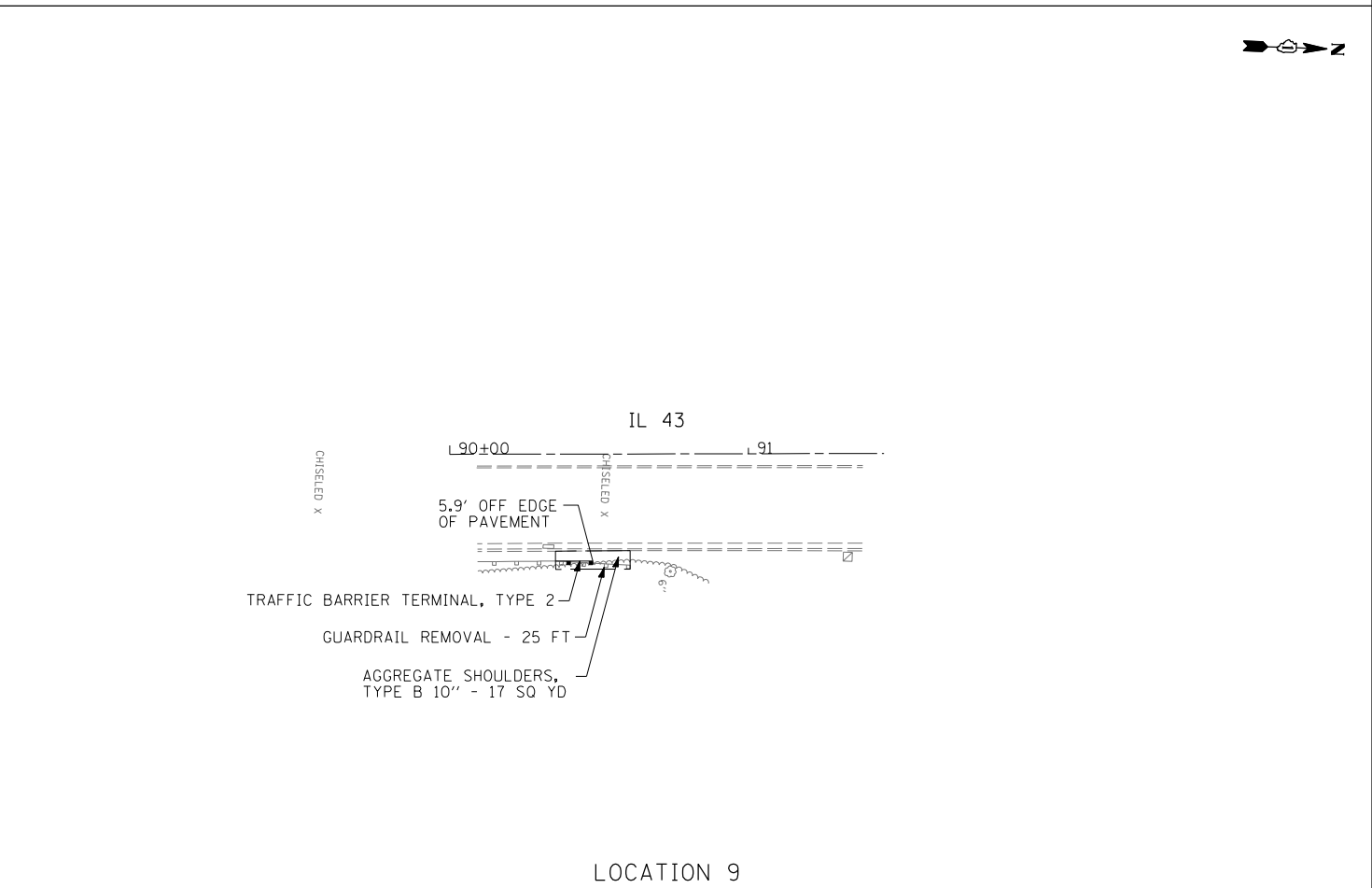
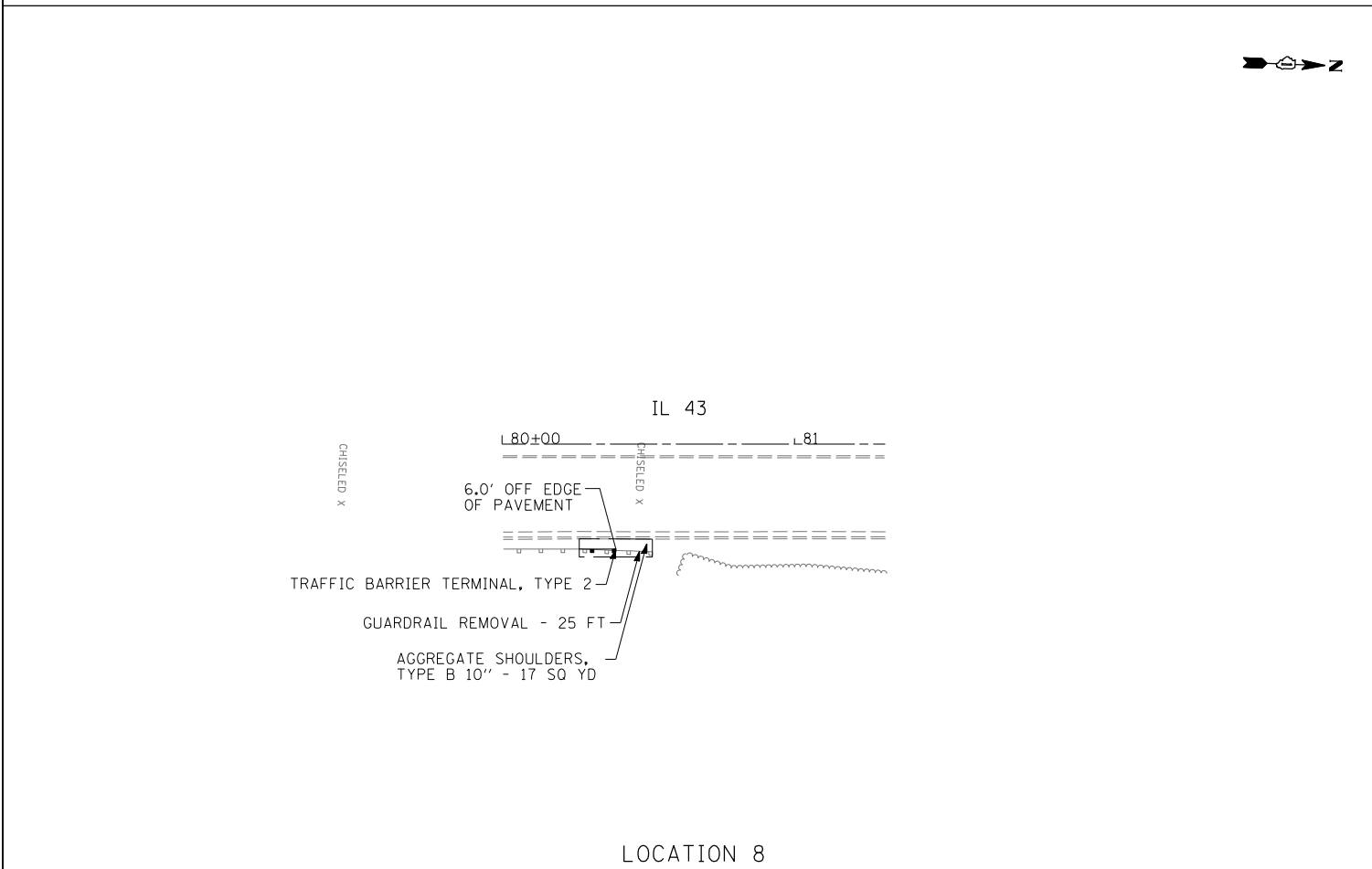
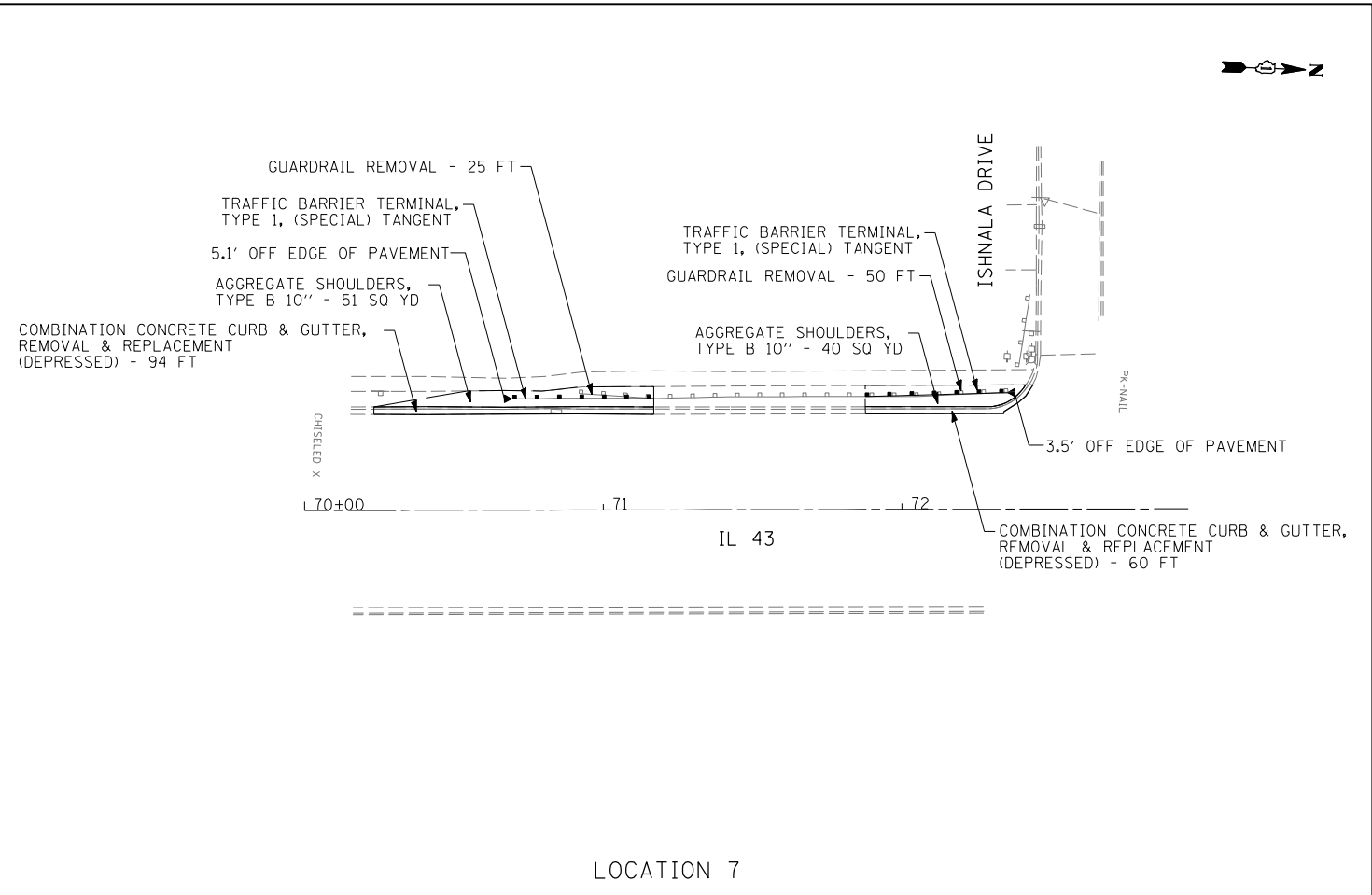
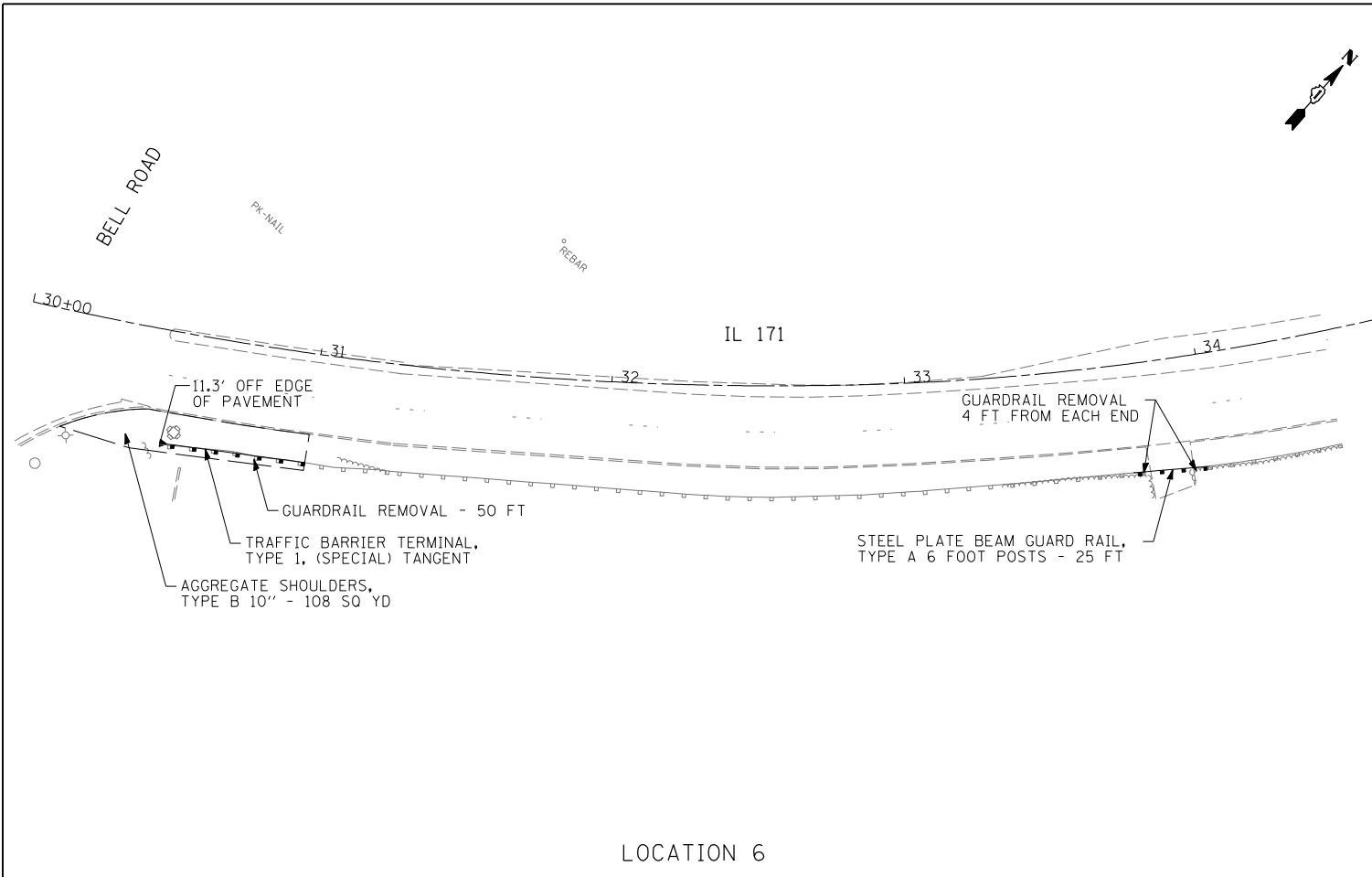
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL IMPROVEMENTS - SOUTHERN COOK COUNTY
ROADWAY PLANS**

SCALE: 30 SHEET NO. 1 OF 22 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2011-094-GRR	COOK	30	5
•	VARIOUS ROUTES	CONTRACT NO. 60R22		

ILLINOIS FED. AID PROJECT



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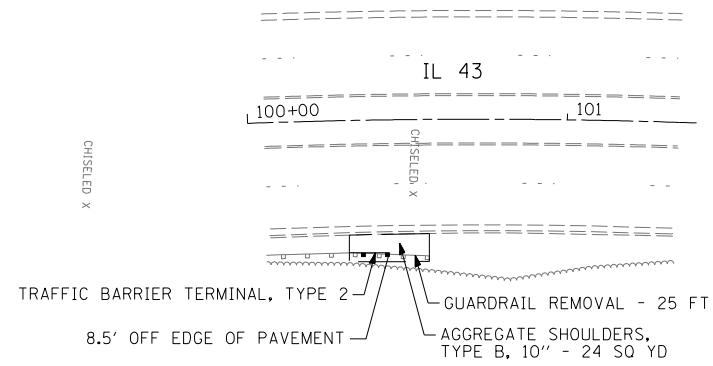
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

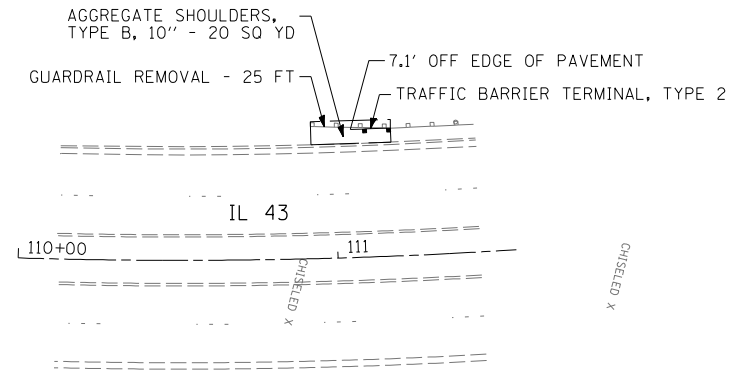
GUARDRAIL IMPROVEMENTS - SOUTHERN COOK COUNTY
ROADWAY PLANS

SCALE: 30 SHEET NO. 2 OF 22 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2011-094-GRR	COOK	30	6
	• VARIOUS ROUTES		CONTRACT NO. 60R22	
ILLINOIS FED. AID PROJECT				

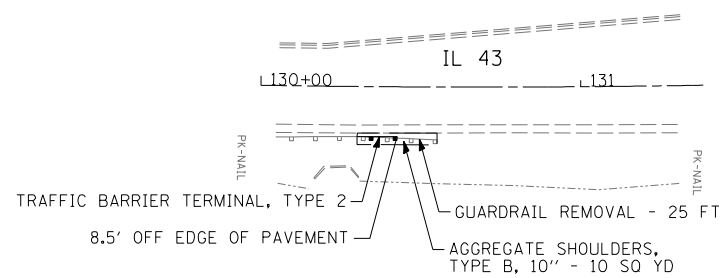


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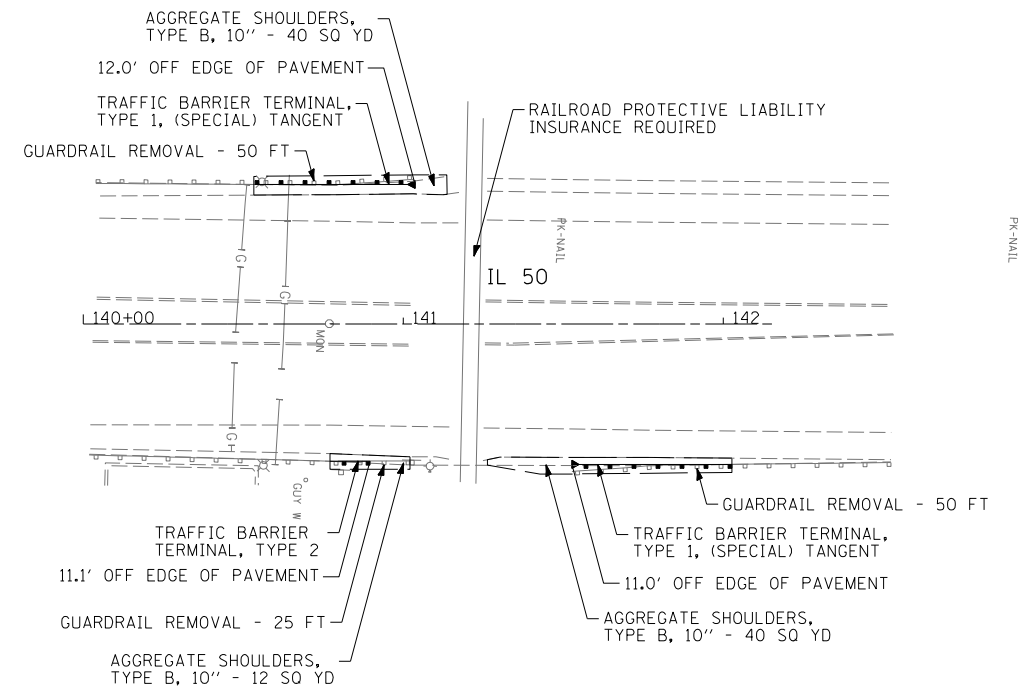


LOCATION 11

NOTE:
NO TERMINAL END FOUND AT
LOCATION 12



LOCATION 13



LOCATION 14

NOTE:
LOCATION 15 WORK HAS BEEN
COMPLETED BY OTHERS

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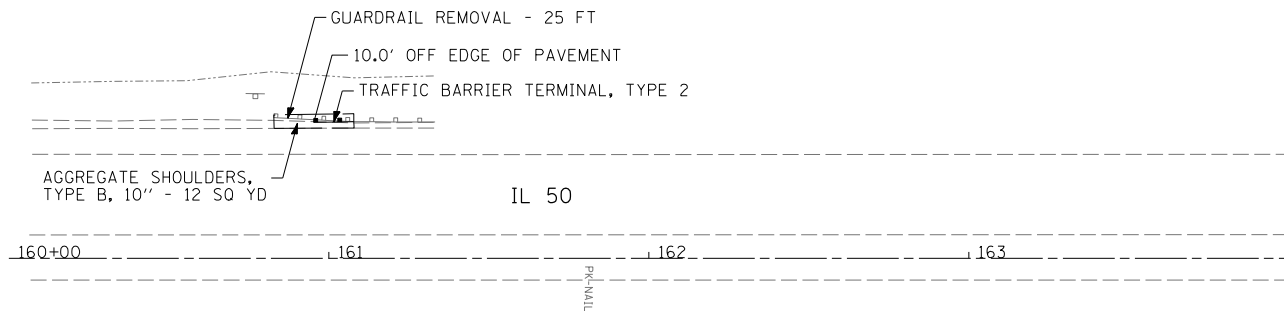
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL IMPROVEMENTS - SOUTHERN COOK COUNTY
ROADWAY PLANS**

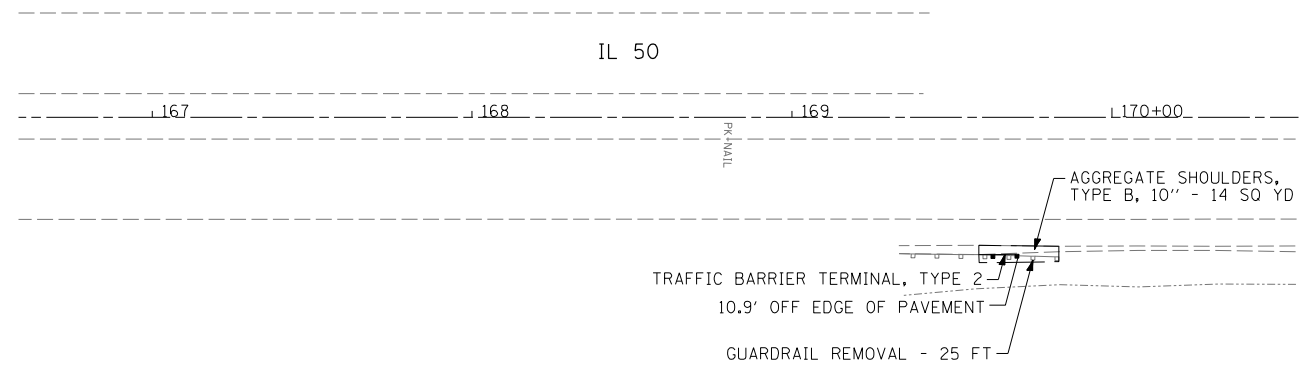
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•	VARIOUS ROUTES	CONTRACT NO. 60R22		
ILLINOIS FED. AID PROJECT				

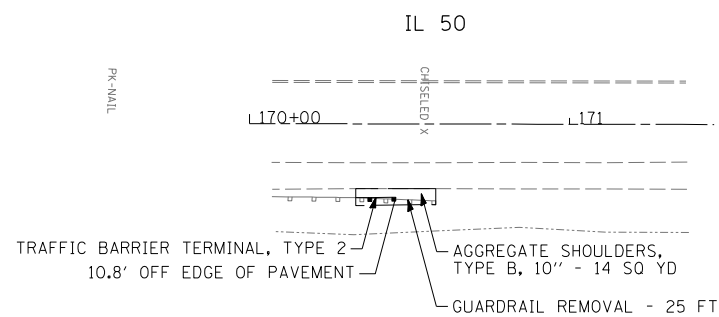
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LOCATION 16

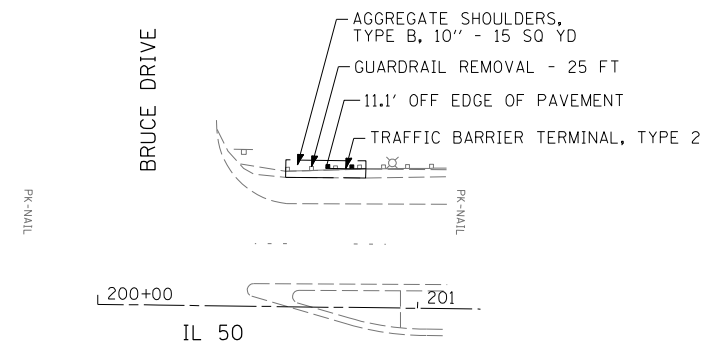


LOCATION 16



LOCATION 17

NOTE:
 LOCATIONS 18 AND 19 WORK
 HAVE BEEN COMPLETED BY OTHERS



LOCATION 20

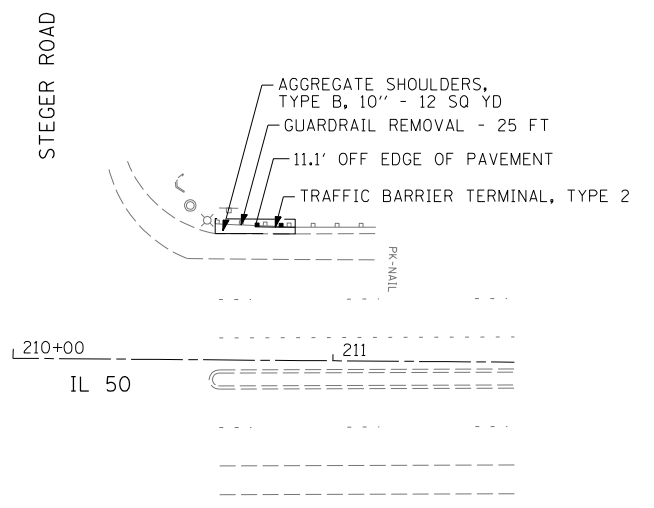
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

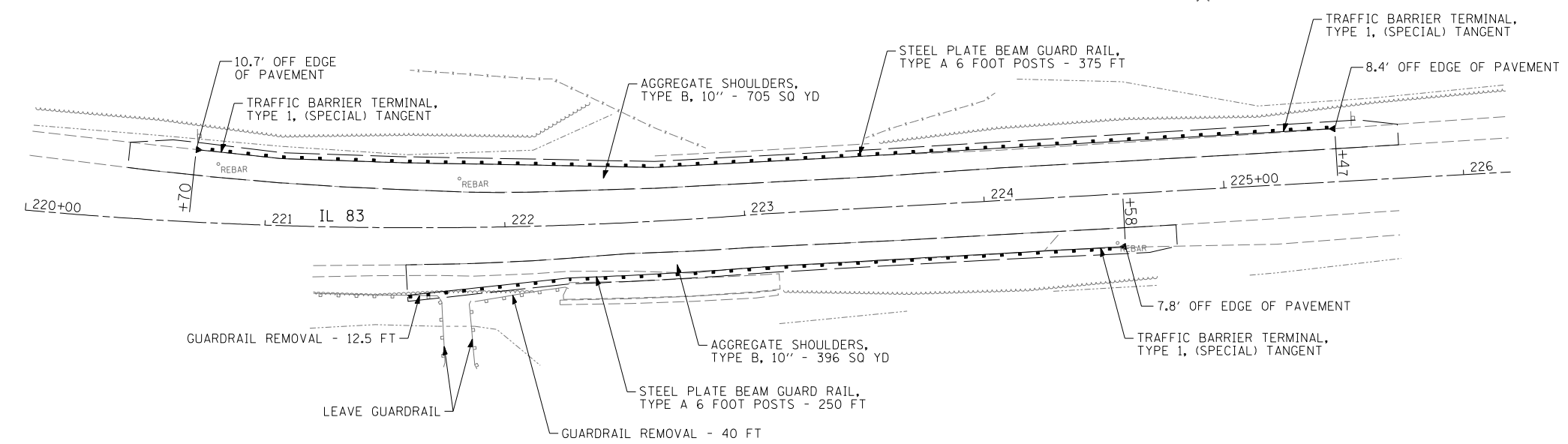
GUARDRAIL IMPROVEMENTS - SOUTHERN COOK COUNTY
ROADWAY PLANS

SCALE: 30 SHEET NO. 4 OF 22 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2011-094-GRR	COOK	30	8
• VARIOUS ROUTES		CONTRACT NO. 60R22		
ILLINOIS FED. AID PROJECT				



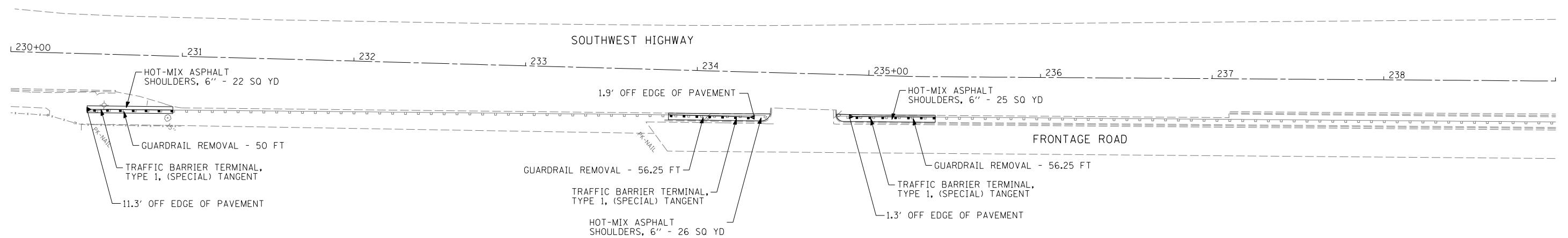
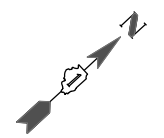
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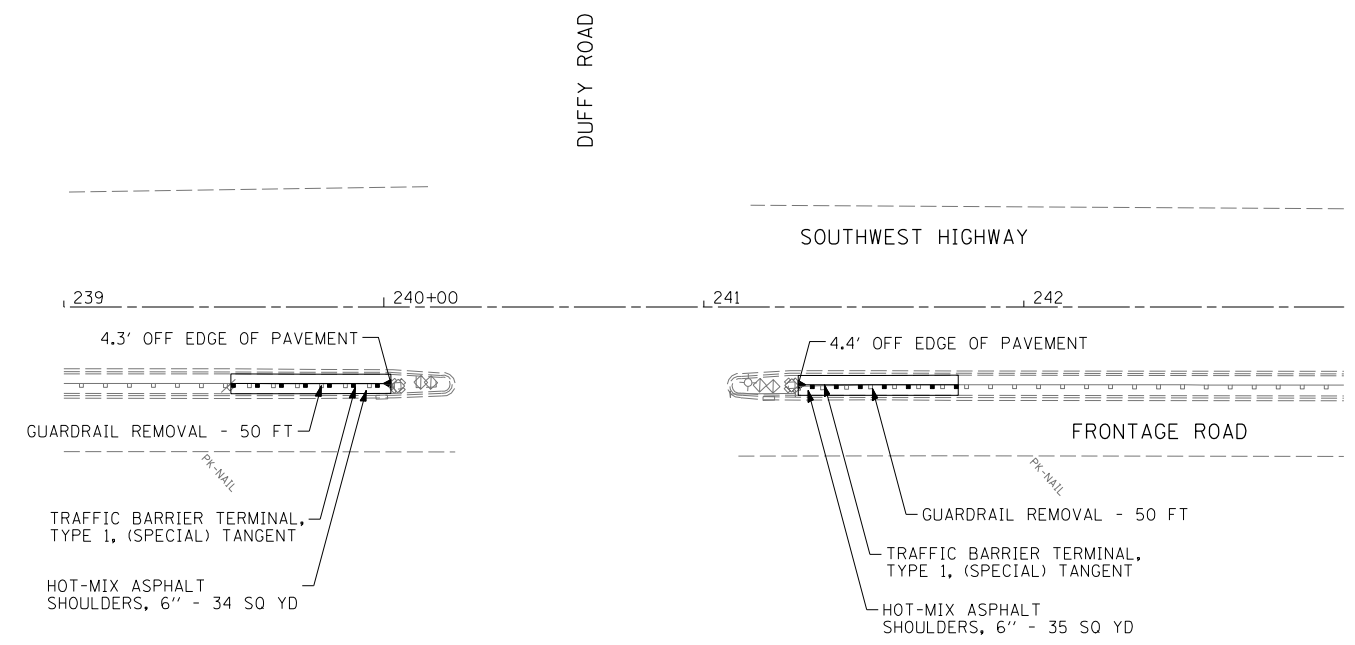
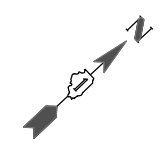
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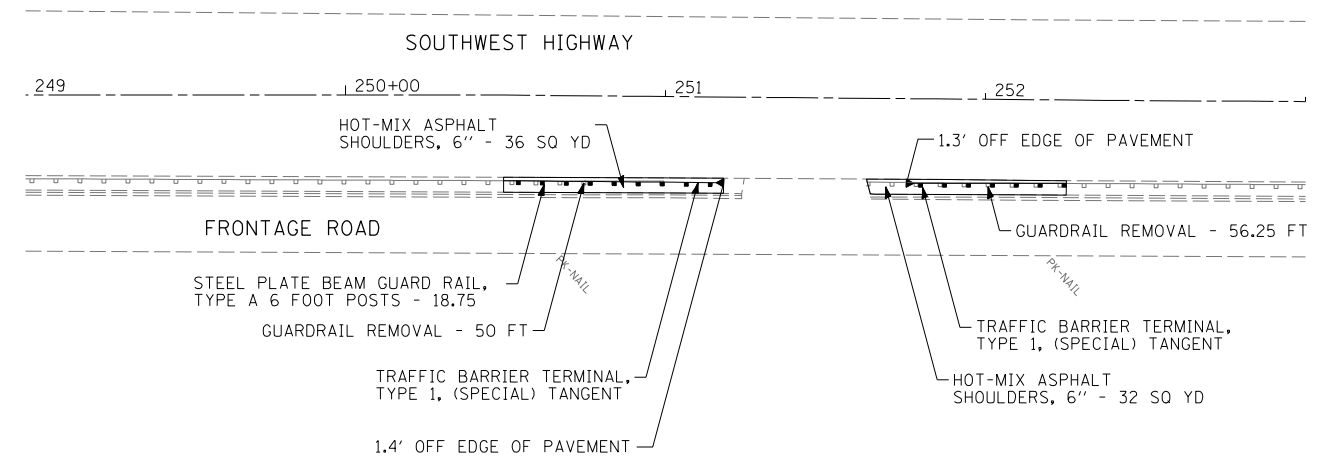
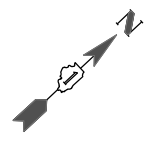
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		DRAWN - EAF	REVISED -		SCALE: 30	SHEET NO. 5	OF 22 SHEETS	STA.	TO STA.	COOK	30	9
		CHECKED - RS	REVISED -							VARIOUS ROUTES	CONTRACT NO. 60R22	
		DATE - 02-07-2012	REVISED -							ILLINOIS FED. AID PROJECT		



LOCATION 23B



LOCATION 23



LOCATION 23

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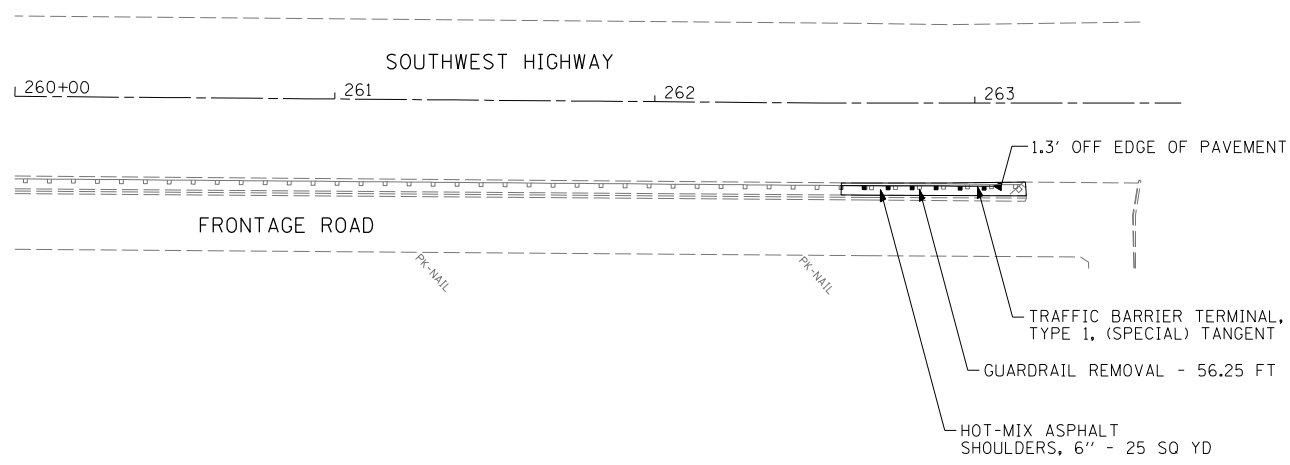
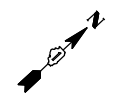
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	PLOT DATE = 2/6/2012	DATE - 02-07-2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

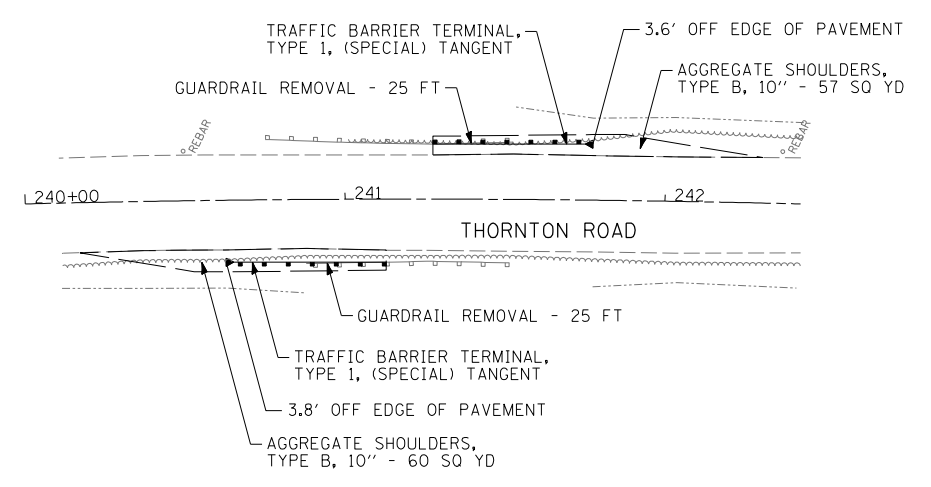
**GUARDRAIL IMPROVEMENTS - SOUTHERN COOK COUNTY
ROADWAY PLANS**

SCALE: 30 SHEET NO. 6 OF 22 SHEETS STA. TO STA.

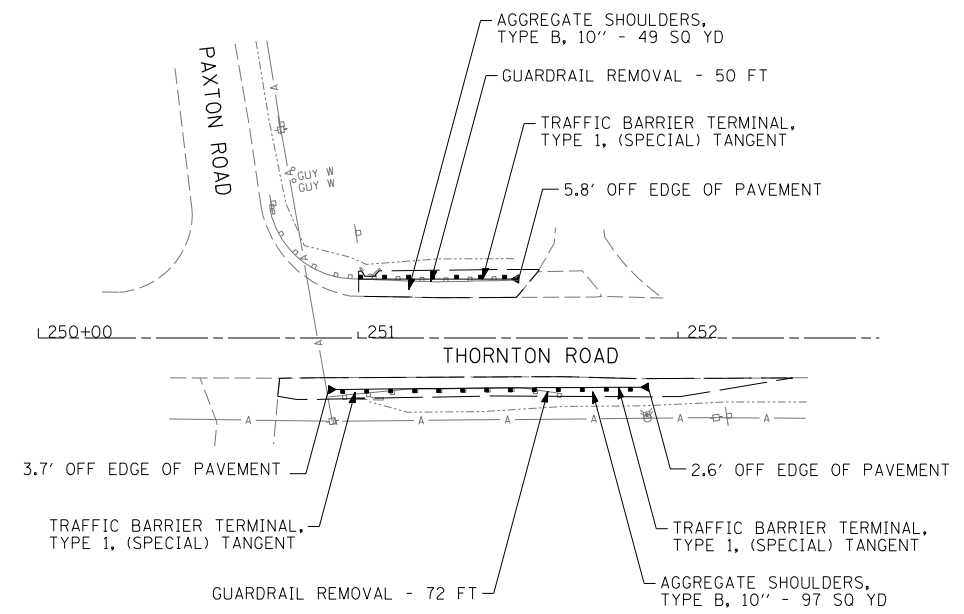
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2011-094-GRR	COOK	30	10
•	VARIOUS ROUTES	CONTRACT NO. 60R22		
ILLINOIS FED. AID PROJECT				



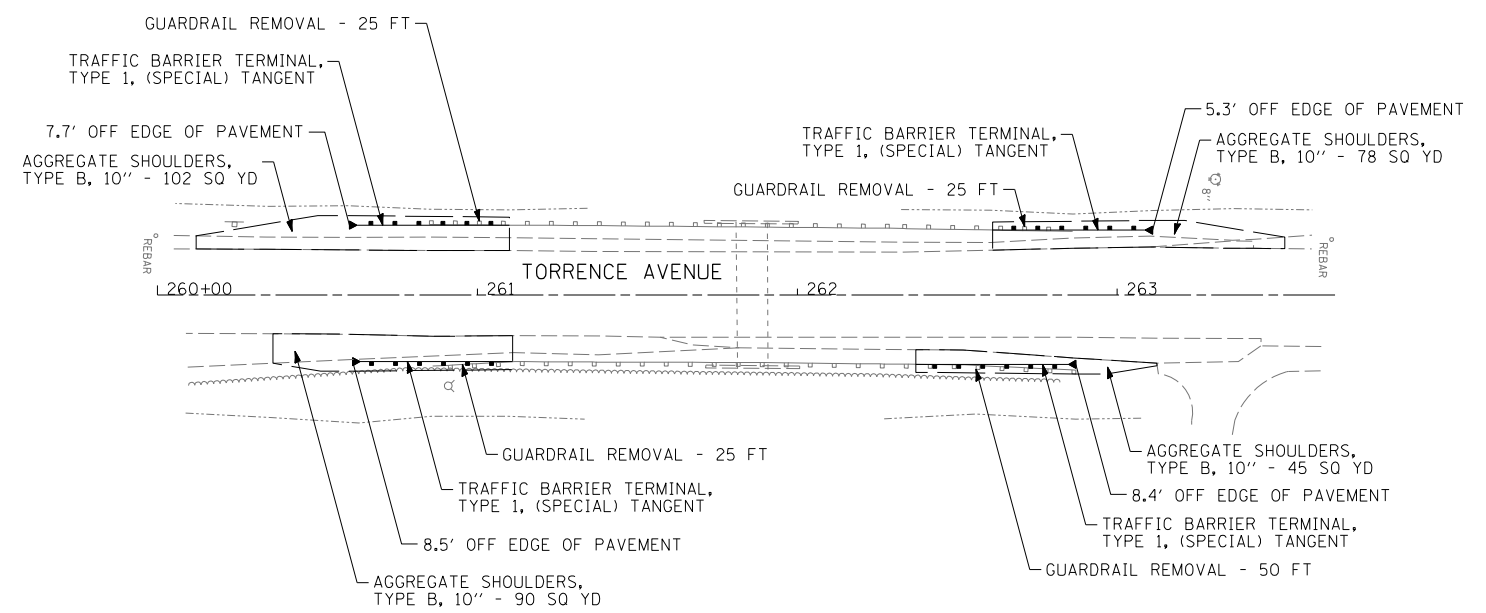
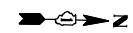
LOCATION 23



LOCATION 24



LOCATION 25



LOCATION 26

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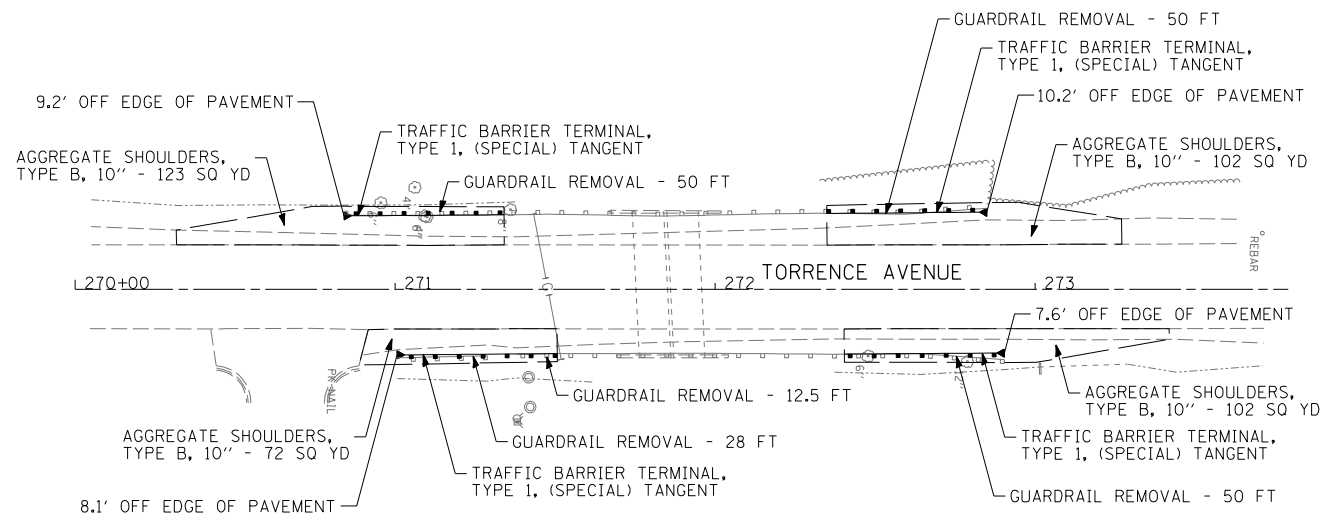
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	PLOT DATE = 2/6/2012	DATE - 02-07-2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

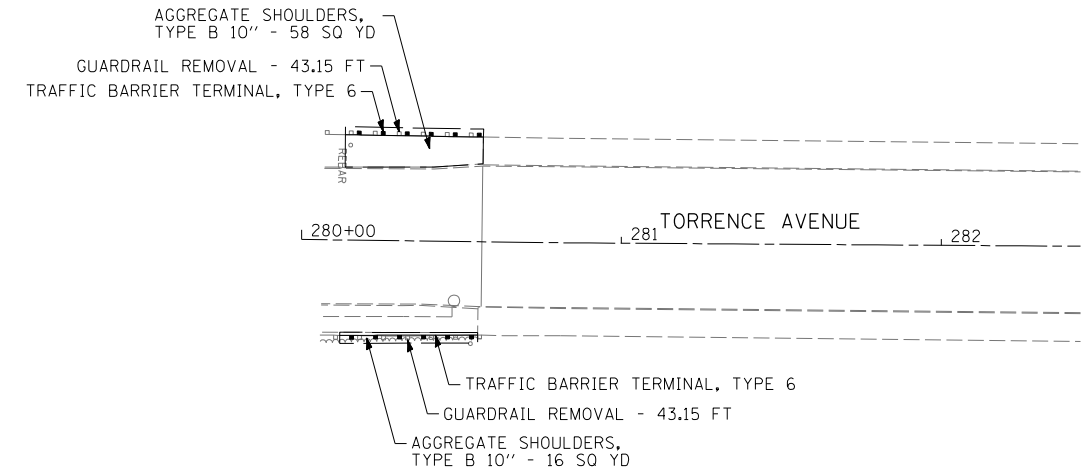
**GUARDRAIL IMPROVEMENTS - SOUTHERN COOK COUNTY
ROADWAY PLANS**

SCALE: 30 SHEET NO. 7 OF 22 SHEETS STA. TO STA.

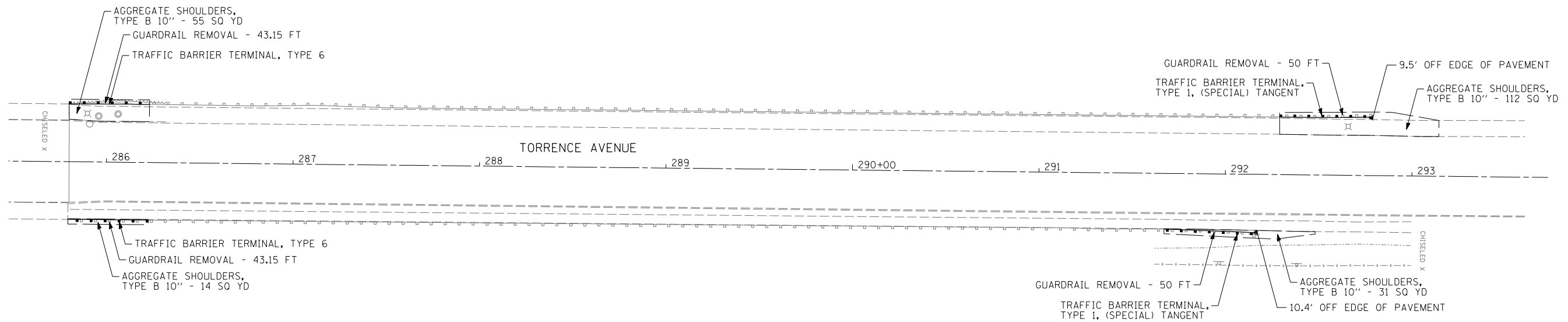
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2011-094-GRR	COOK	30	11
•	VARIOUS ROUTES		CONTRACT NO. 60R22	
ILLINOIS FED. AID PROJECT				



LOCATION 27



LOCATION 28



LOCATION 29

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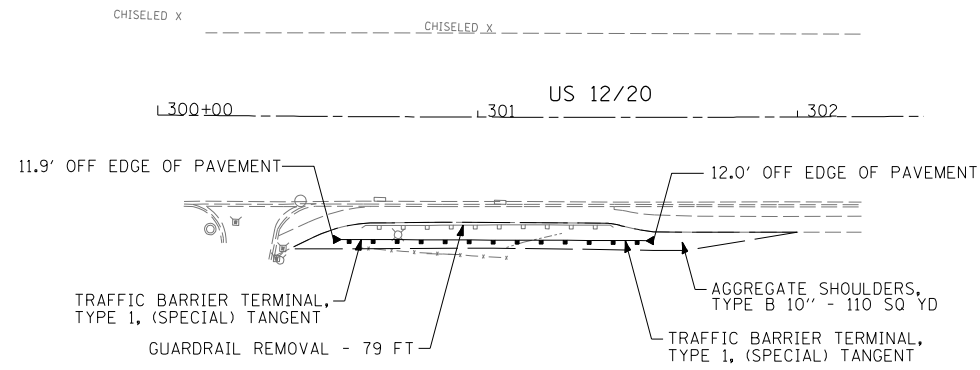
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	PLOT DATE = 2/6/2012	DATE - 02-07-2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

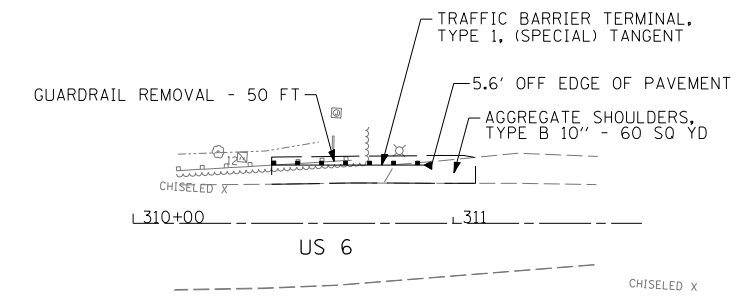
GUARDRAIL IMPROVEMENTS - SOUTHERN COOK COUNTY
ROADWAY PLANS

SCALE: 30 SHEET NO. 8 OF 22 SHEETS STA. TO STA.

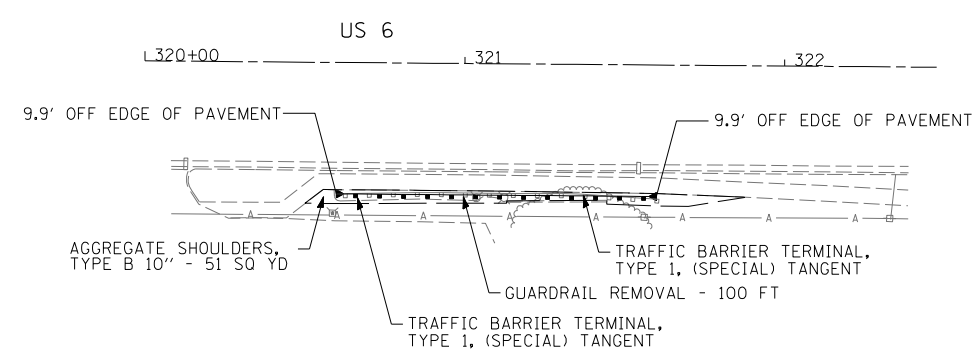
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2011-094-GRR	COOK	30	12
• VARIOUS ROUTES			CONTRACT NO. 60R22	
ILLINOIS FED. AID PROJECT				



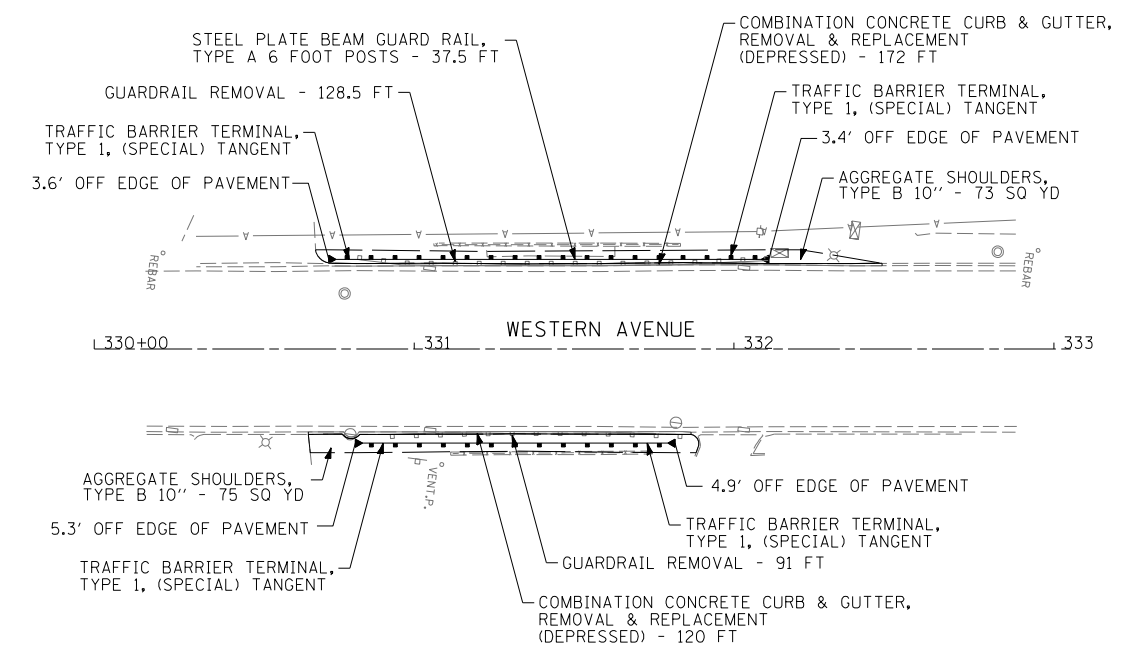
LOCATION 30



LOCATION 31



LOCATION 32



LOCATION 33

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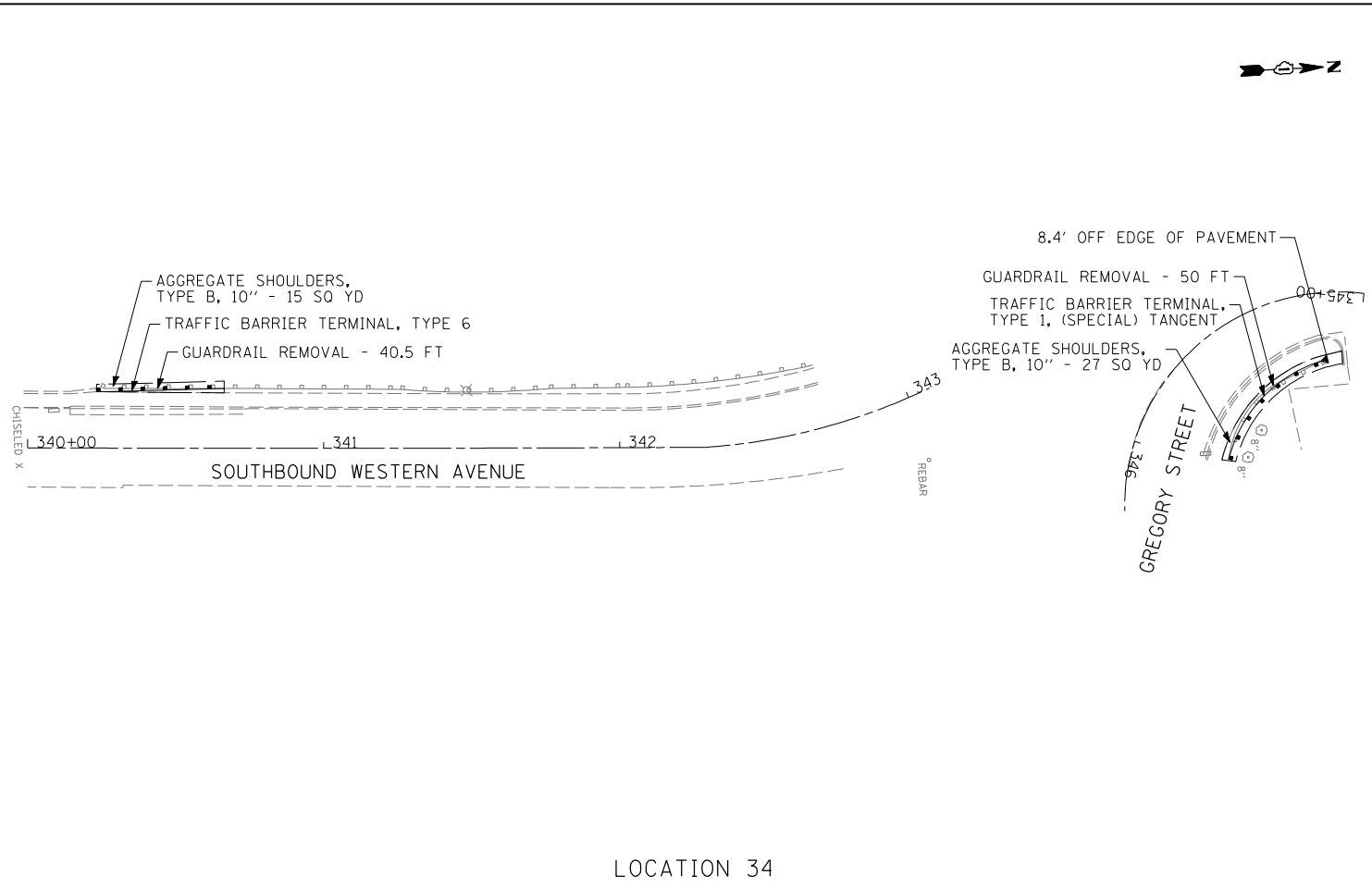
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		DRAWN - EAF	REVISED -
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	PLOT DATE = 2/6/2012	DATE - 02-07-2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

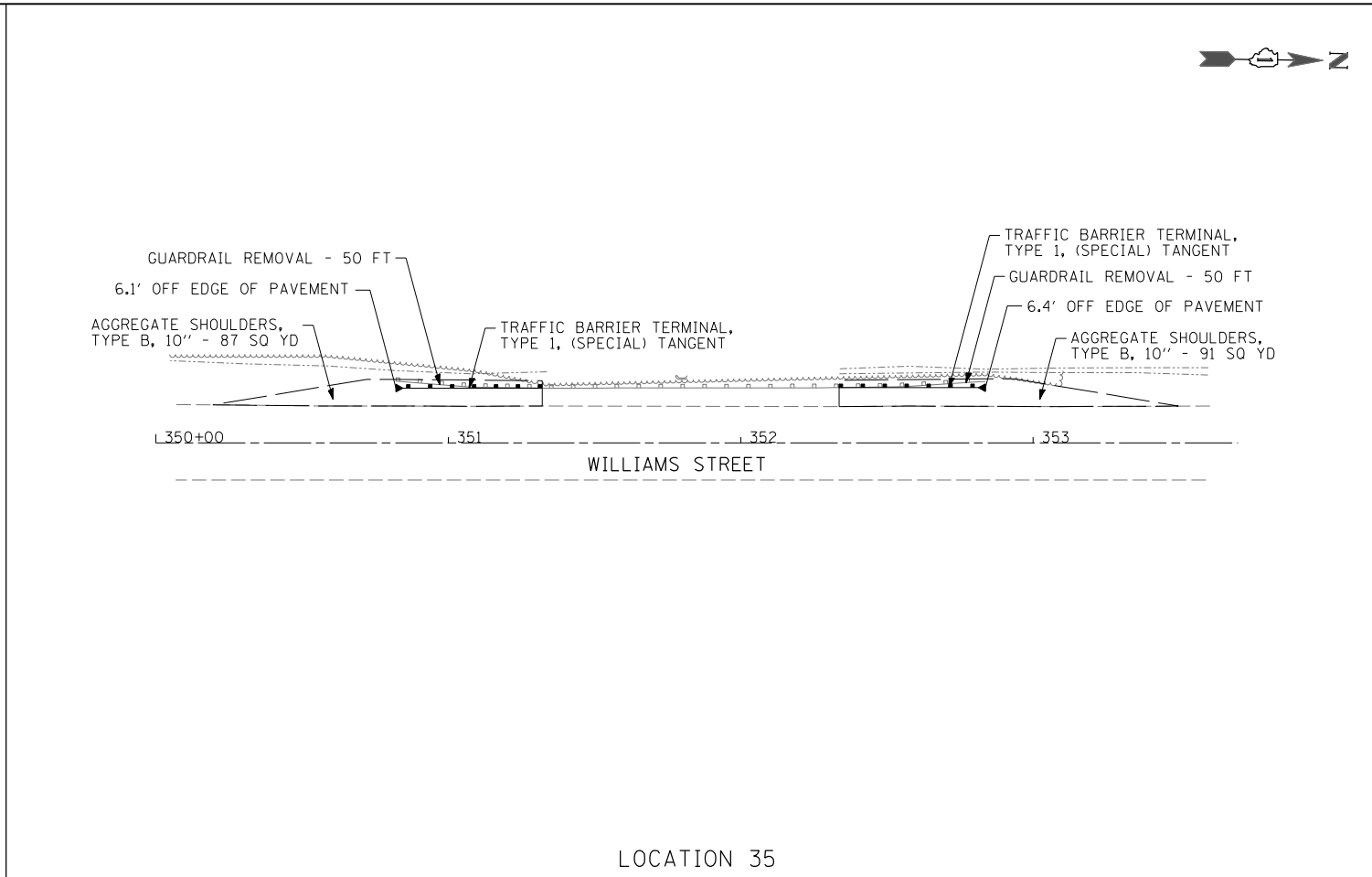
**GUARDRAIL IMPROVEMENTS - SOUTHERN COOK COUNTY
ROADWAY PLANS**

SCALE: 30 SHEET NO. 9 OF 22 SHEETS STA. TO STA.

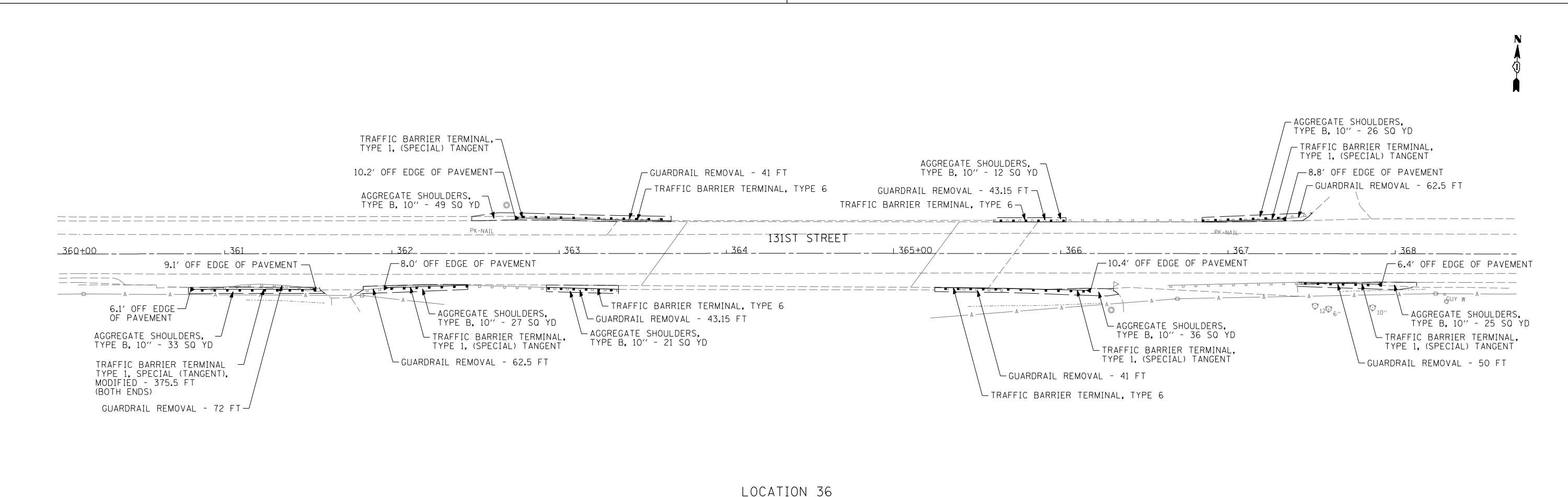
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2011-094-GRR	COOK	30	13
•	VARIOUS ROUTES	CONTRACT NO. 60R22		
ILLINOIS FED. AID PROJECT				



LOCATION 34



LOCATION 35



LOCATION 36

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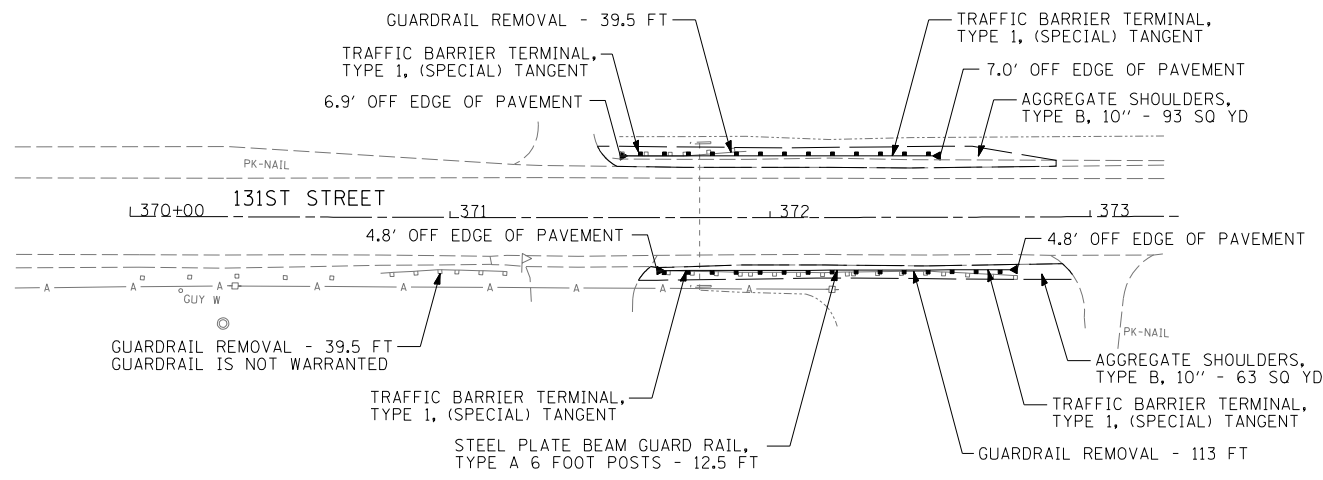
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	PLOT DATE = 2/6/2012	DATE - 02-07-2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL IMPROVEMENTS - SOUTHERN COOK COUNTY
ROADWAY PLANS**

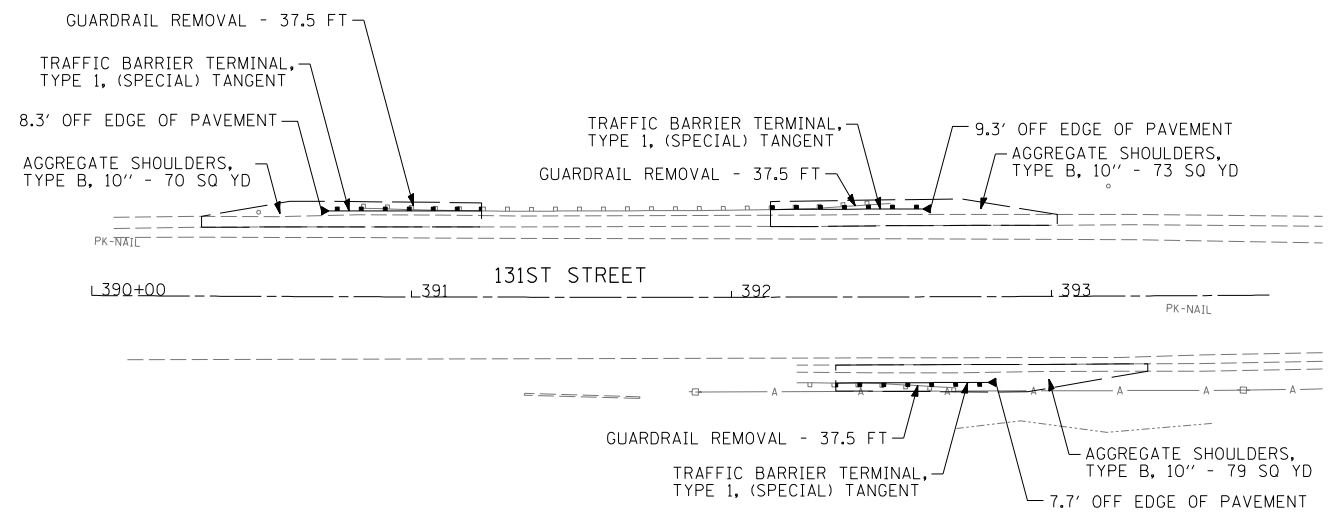
SCALE: 30 SHEET NO. 10 OF 22 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2011-094-GRR	COOK	30	14
•	VARIOUS ROUTES	CONTRACT NO. 60R22		
ILLINOIS FED. AID PROJECT				

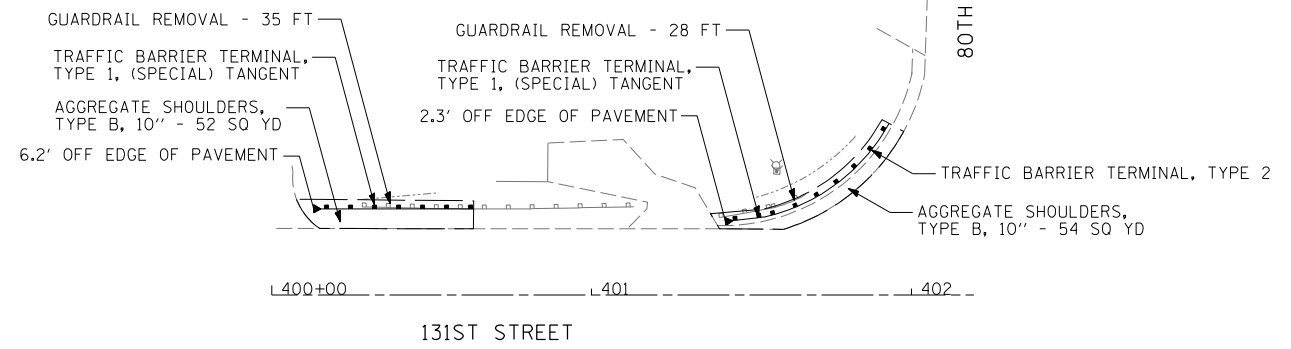


LOCATION 37

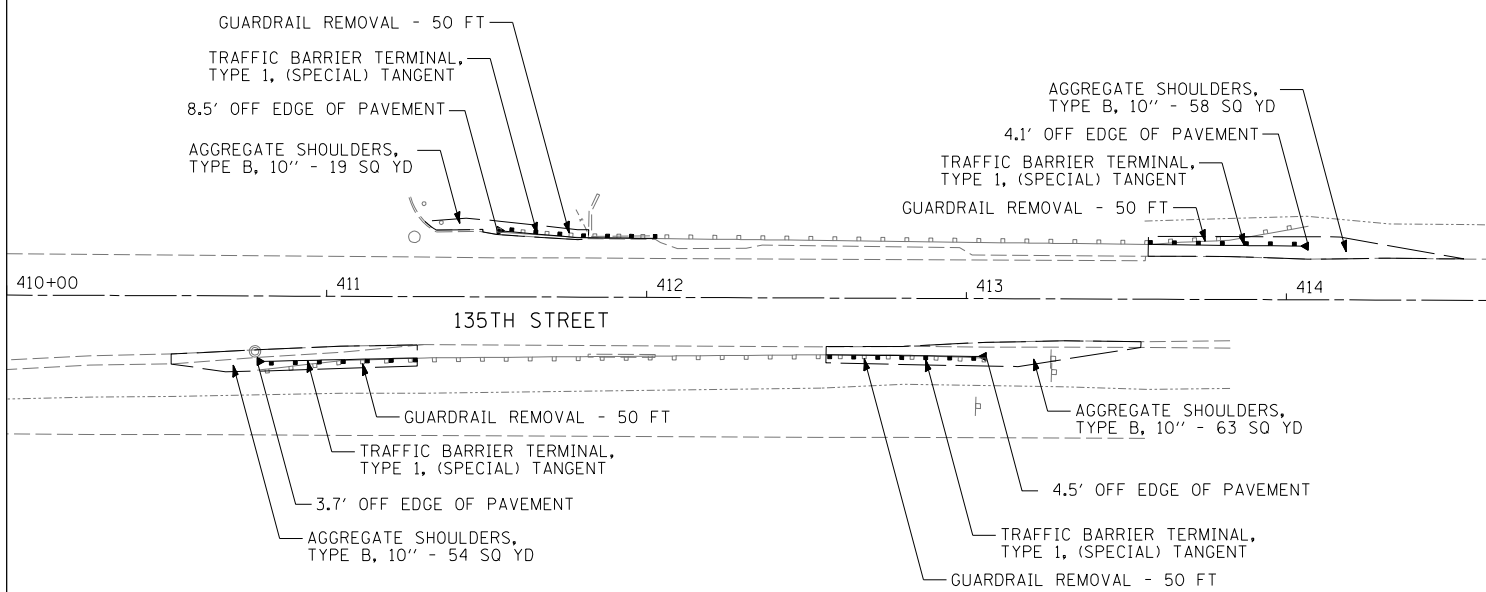
NOTE:
NUMBERING FOR LOCATION 38
WAS SKIPPED.



LOCATION 39



LOCATION 40



LOCATION 41

F:\jobs\2011\20113012-14\cod\site\dn\00\160R22-sht-plan1.dgn 2/6/2012 3:42:19 PM

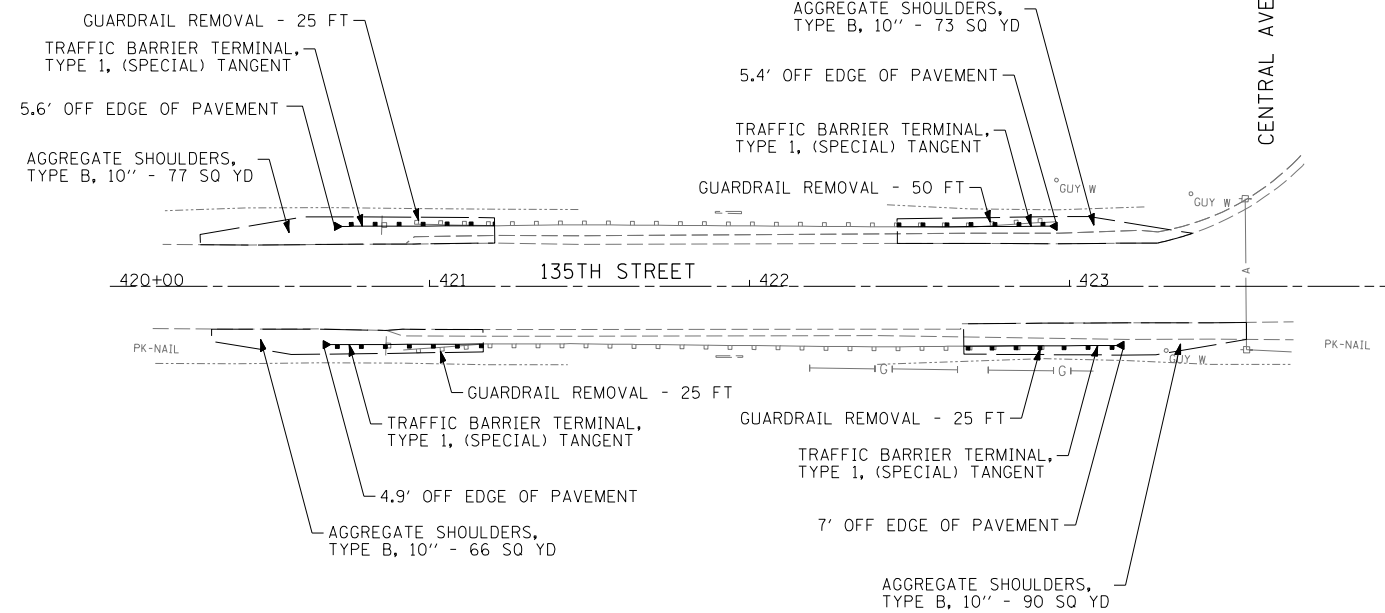
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	PLOT DATE = 2/6/2012	DATE - 02-07-2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

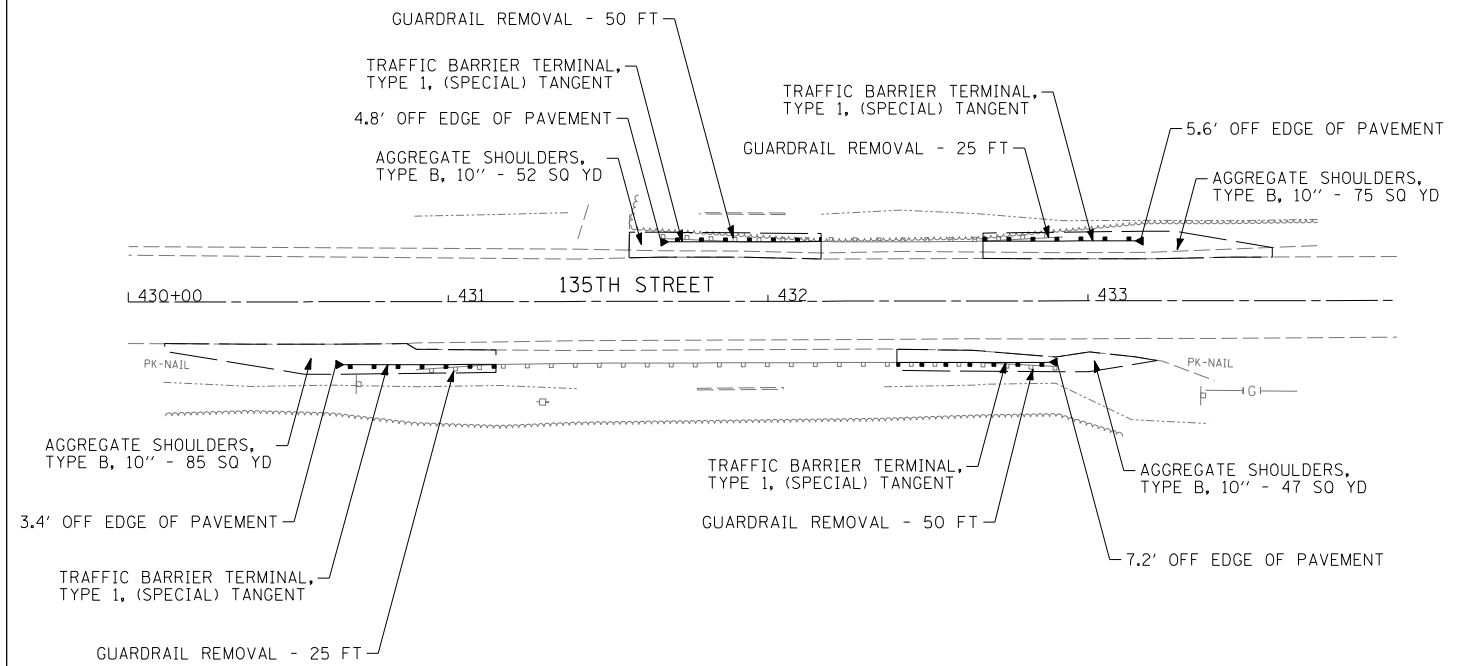
**GUARDRAIL IMPROVEMENTS - SOUTHERN COOK COUNTY
ROADWAY PLANS**

SCALE: 30 SHEET NO. 11 OF 22 SHEETS STA. TO STA.

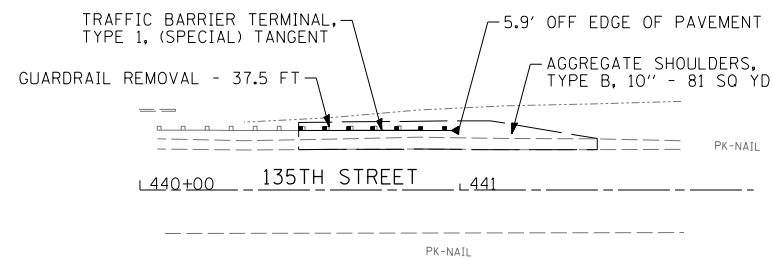
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2011-094-GRR	COOK	30	15
• VARIOUS ROUTES			CONTRACT NO. 60R22	
ILLINOIS FED. AID PROJECT				



LOCATION 42



LOCATION 43



LOCATION 44

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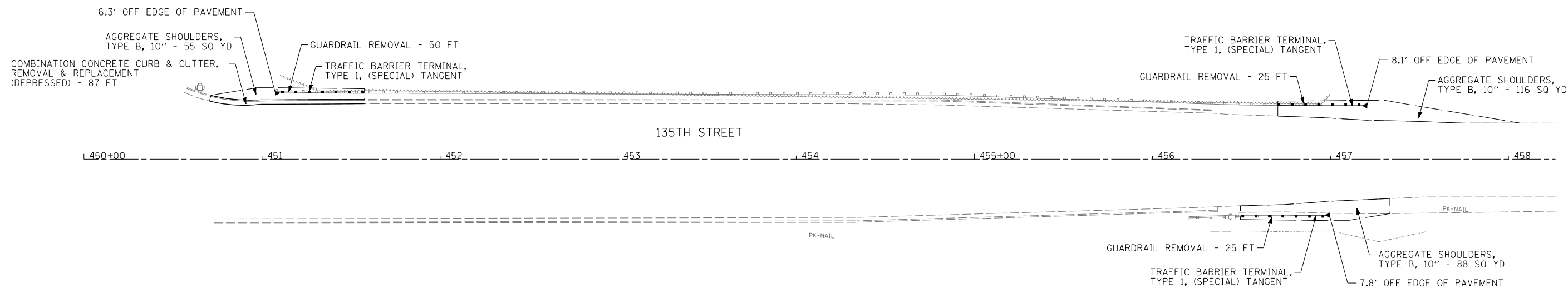
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		DRAWN - EAF	REVISED -
	PLOT SCALE = 60.0000' / IN.	CHECKED - RS	REVISED -
	PLOT DATE = 2/6/2012	DATE - 02-07-2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

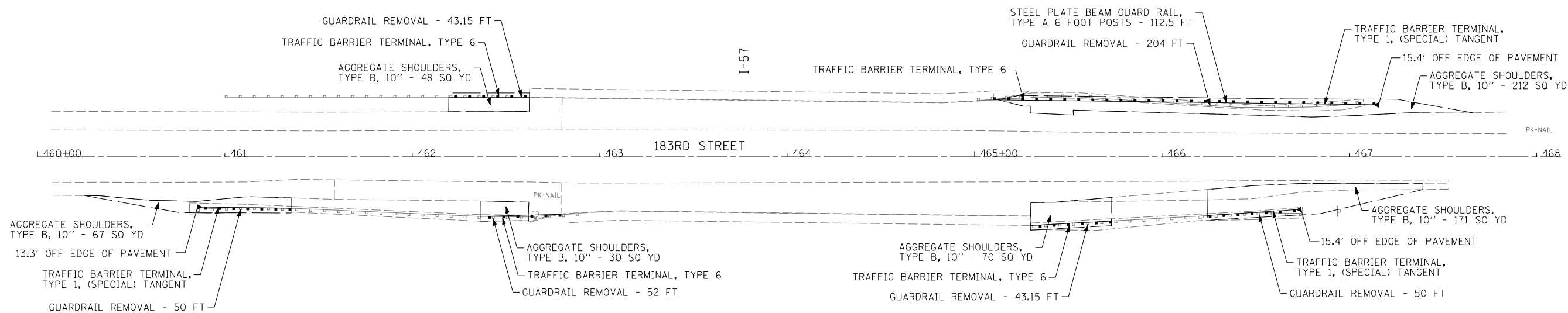
**GUARDRAIL IMPROVEMENTS - SOUTHERN COOK COUNTY
ROADWAY PLANS**

SCALE: 30 SHEET NO. 12 OF 22 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2011-094-GRR	COOK	30	16
• VARIOUS ROUTES			CONTRACT NO. 60R22	
ILLINOIS FED. AID PROJECT				



LOCATION 45



LOCATION 46

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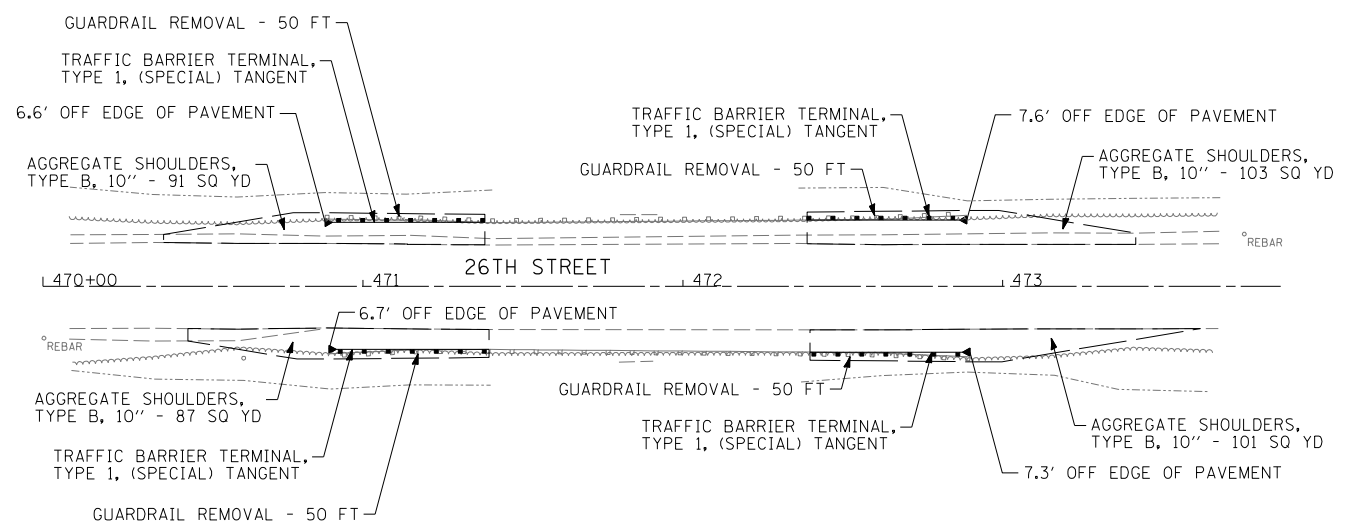
FILE NAME = #FILE#	USER NAME = .USER.	DESIGNED - EAF	REVISED -
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	PLOT DATE = 2/6/2012	DATE - 02-07-2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

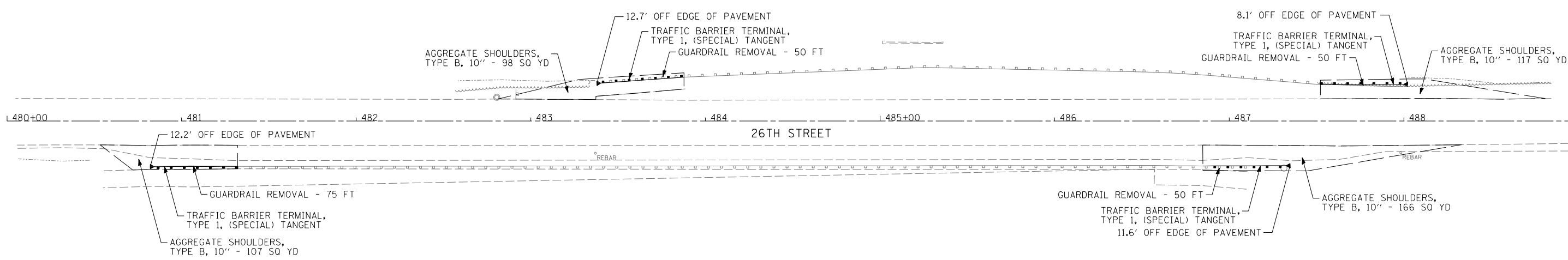
GUARDRAIL IMPROVEMENTS - SOUTHERN COOK COUNTY
ROADWAY PLANS

SCALE: 30 SHEET NO. 13 OF 22 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2011-094-GRR	COOK	30	17
•	VARIOUS ROUTES	CONTRACT NO. 60R22		
ILLINOIS FED. AID PROJECT				



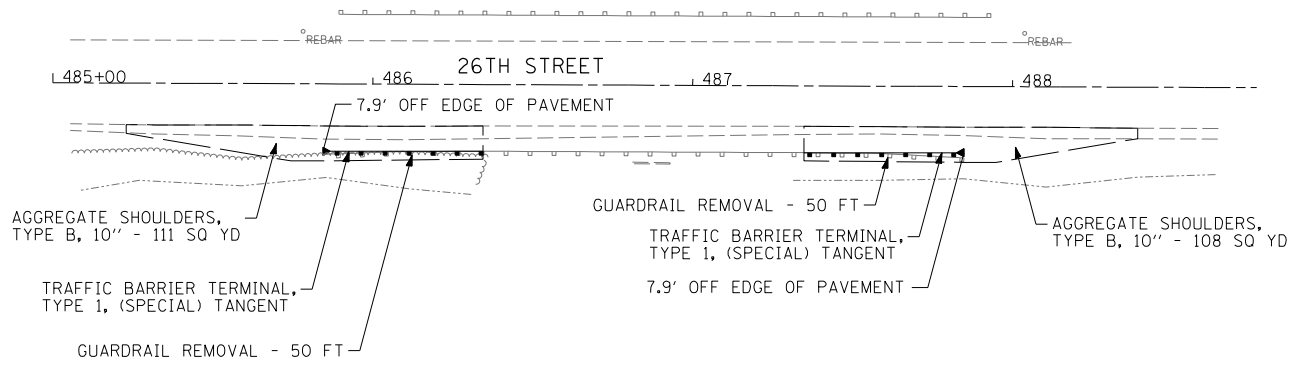
LOCATION 47



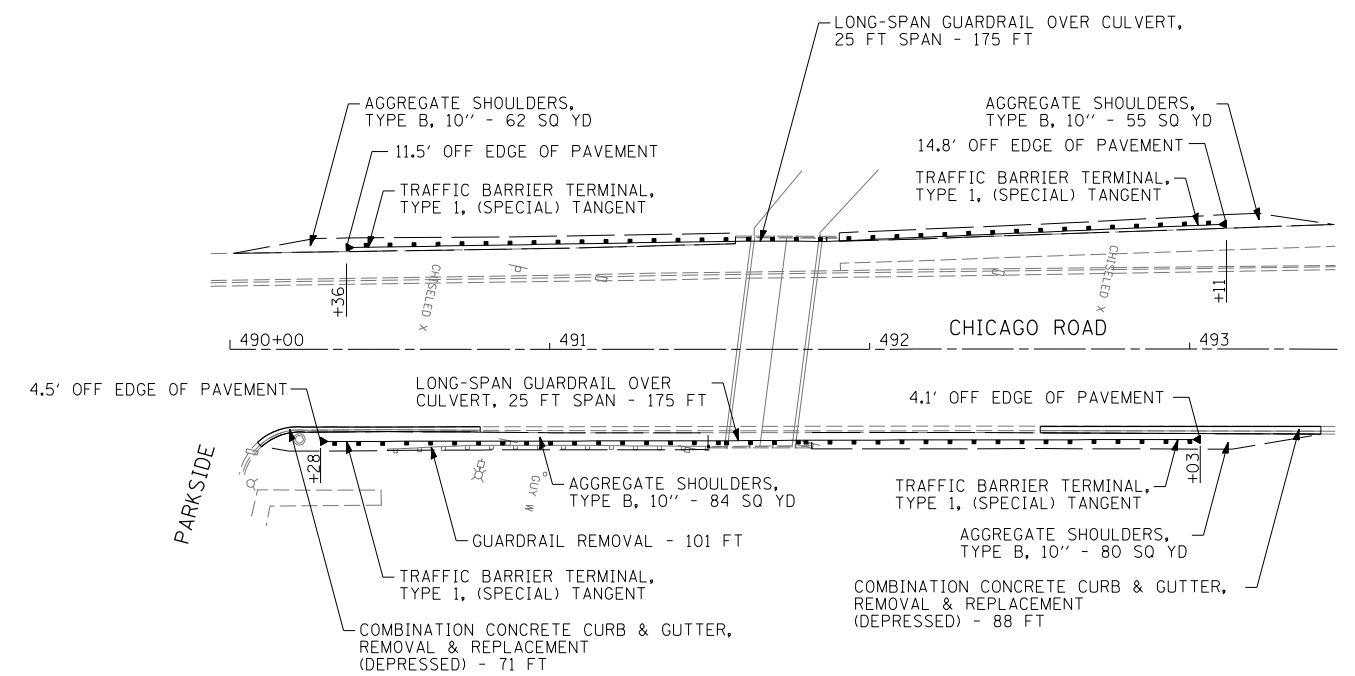
LOCATION 48

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	PLOT SCALE = 60.0000' / IN.	CHECKED - RS	REVISED -		SCALE: 30	SHEET NO. 14 OF 22 SHEETS	STA.	TO STA.	• 2011-094-GRR	COOK	30	18	
	PLOT DATE = 2/6/2012	DATE - 02-07-2012	REVISED -						• VARIOUS ROUTES				CONTRACT NO. 60R22
													ILLINOIS FED. AID PROJECT

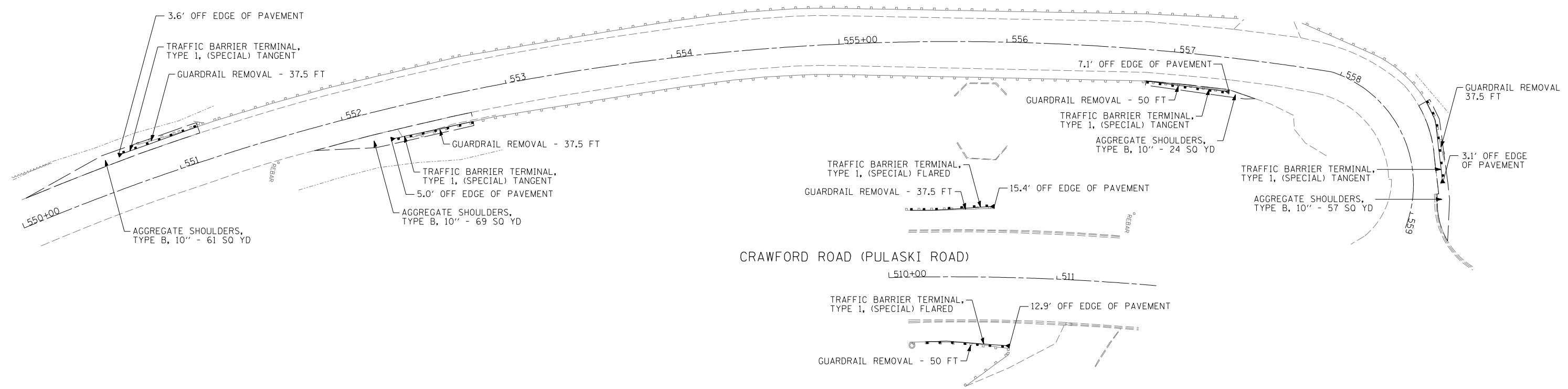


LOCATION 48A



LOCATION 49

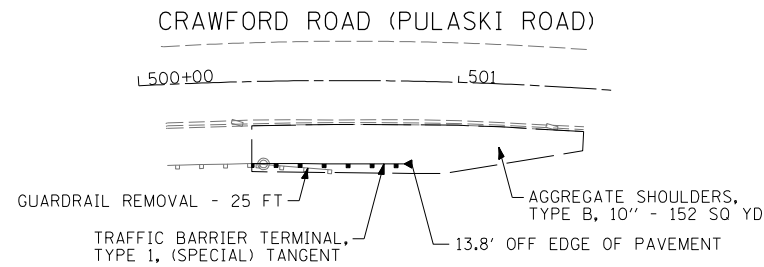
CRAWFORD FRONTAGE ROAD



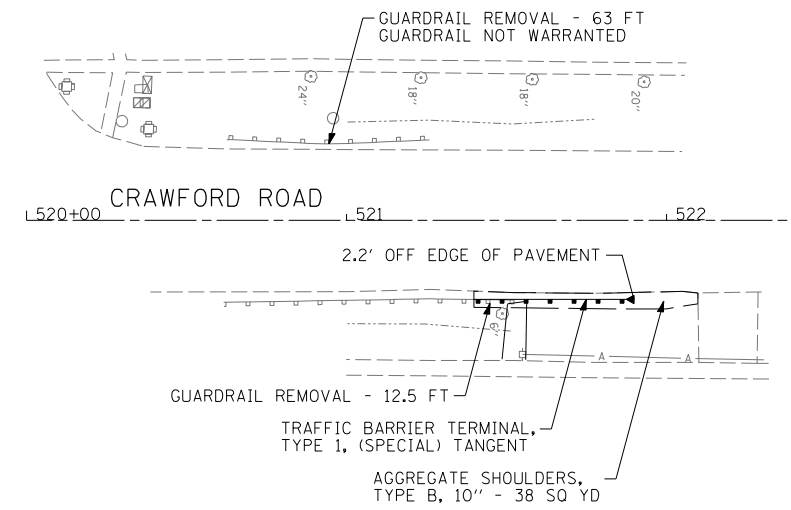
LOCATION 51 AND 55

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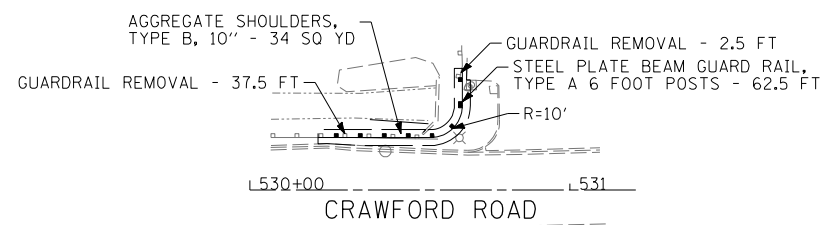
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		DRAWN - EAF	REVISED -				•	2011-094-GRR	COOK	30	19
		PLOT SCALE = 60.0000' / IN.	CHECKED - RS				REVISED -	•	VARIOUS ROUTES	CONTRACT NO. 60R22	
		PLOT DATE = 2/14/2012	DATE - 02-07-2012				REVISED -	ILLINOIS FED. AID PROJECT			
						SCALE: 30	SHEET NO. 15 OF 22 SHEETS		STA. TO STA.		



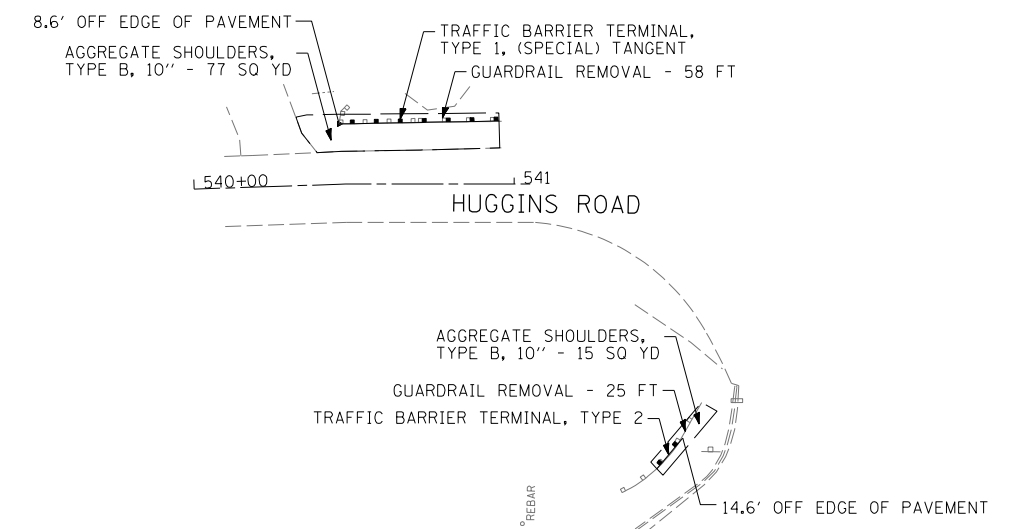
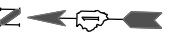
LOCATION 50



LOCATION 52



LOCATION 53



LOCATION 54

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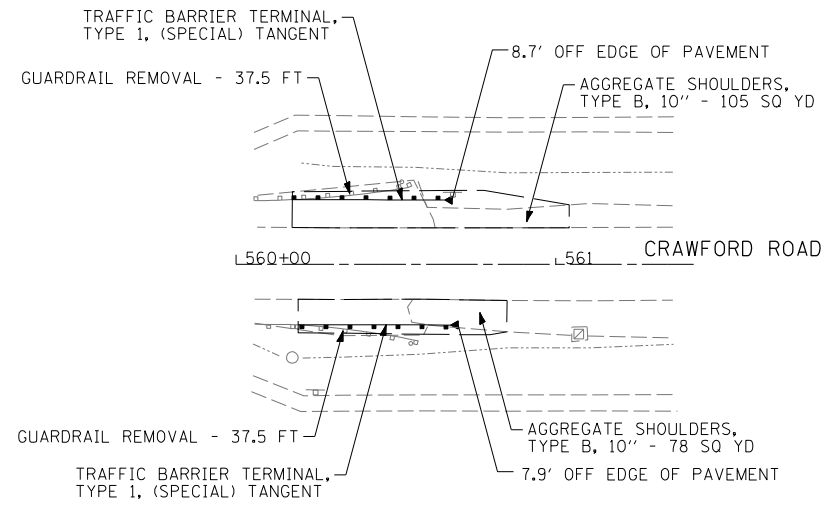
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	PLOT DATE = 2/6/2012	DATE - 02-07-2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

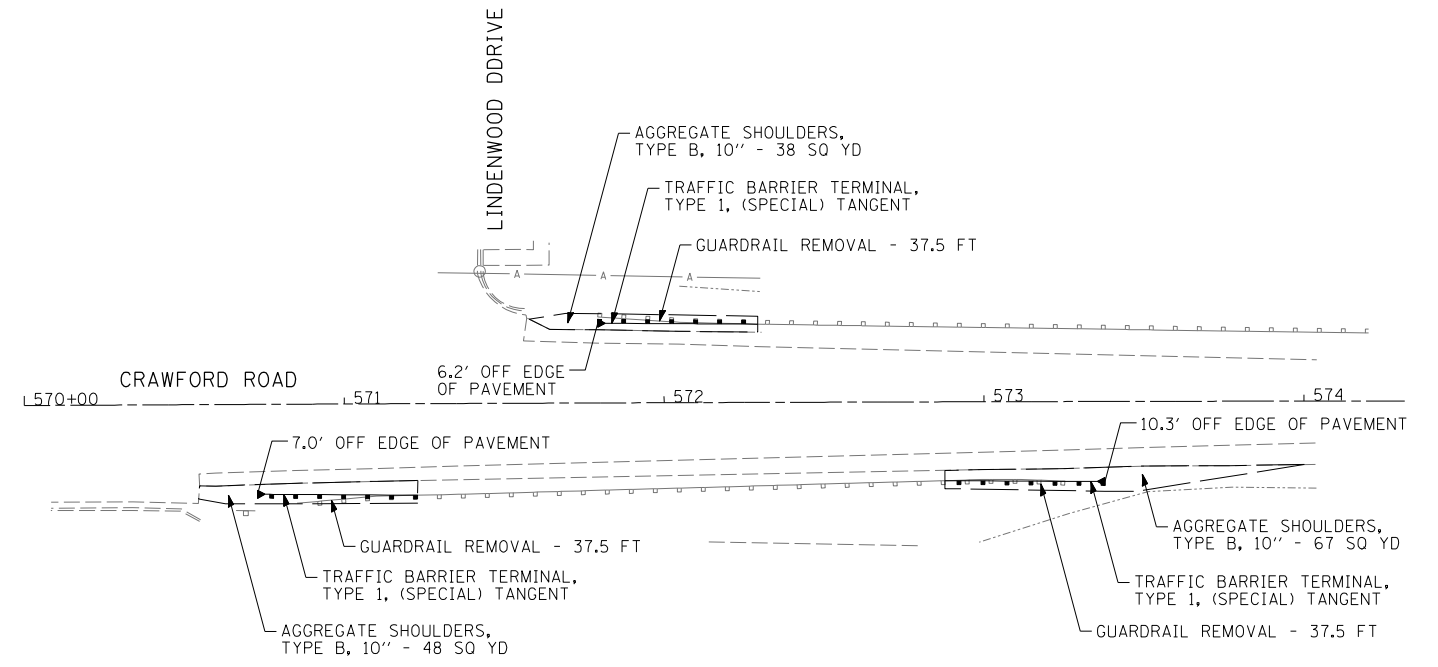
**GUARDRAIL IMPROVEMENTS - SOUTHERN COOK COUNTY
ROADWAY PLANS**

SCALE: 30 SHEET NO. OF 22 SHEETS STA. TO STA.

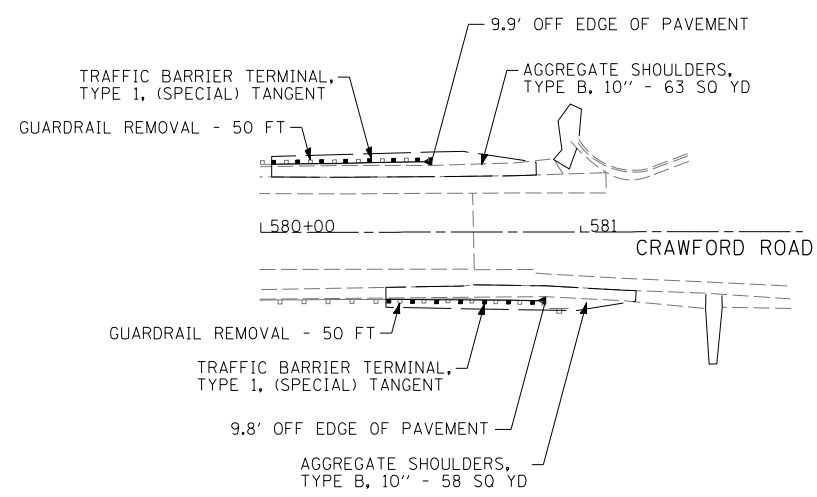
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2011-094-GRR	COOK	30	
• VARIOUS ROUTES			CONTRACT NO. 60R22	
ILLINOIS FED. AID PROJECT				



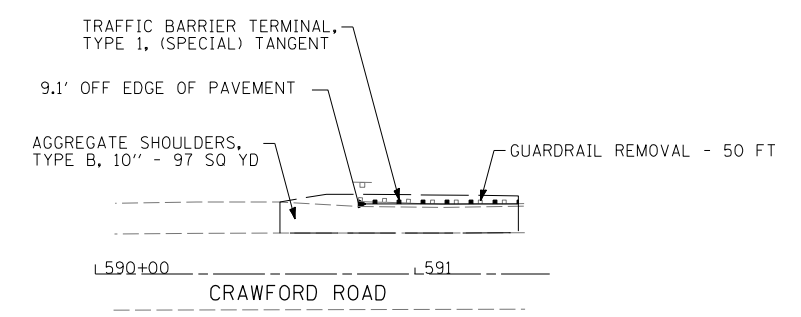
LOCATION 56



LOCATION 57



LOCATION 58



LOCATION 59

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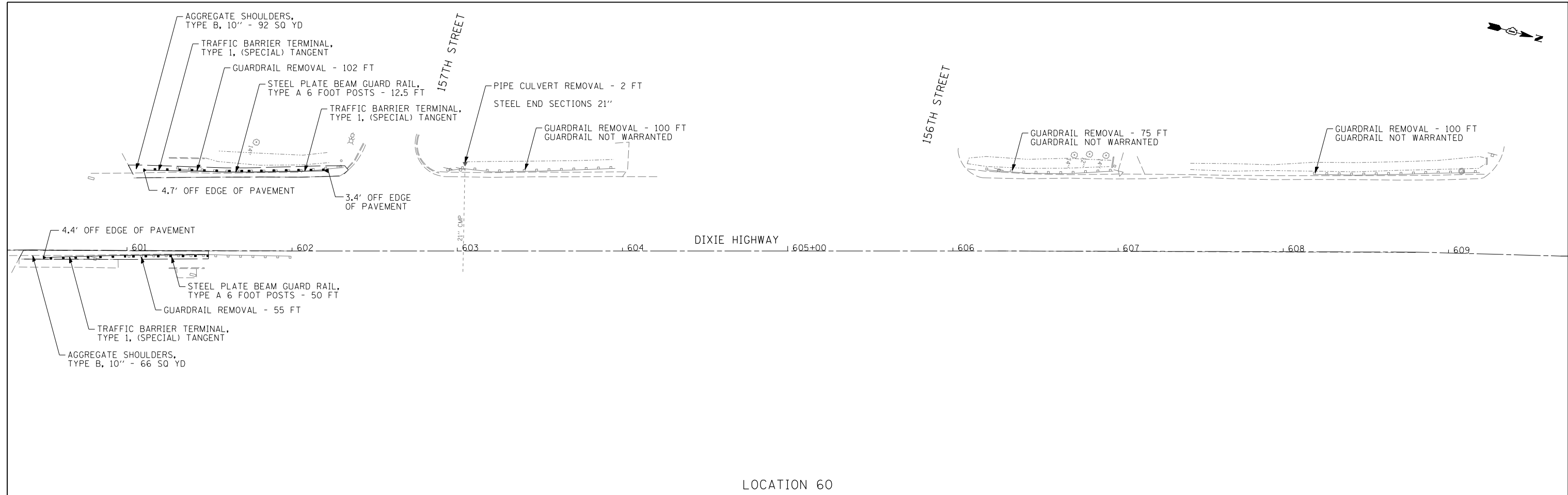
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

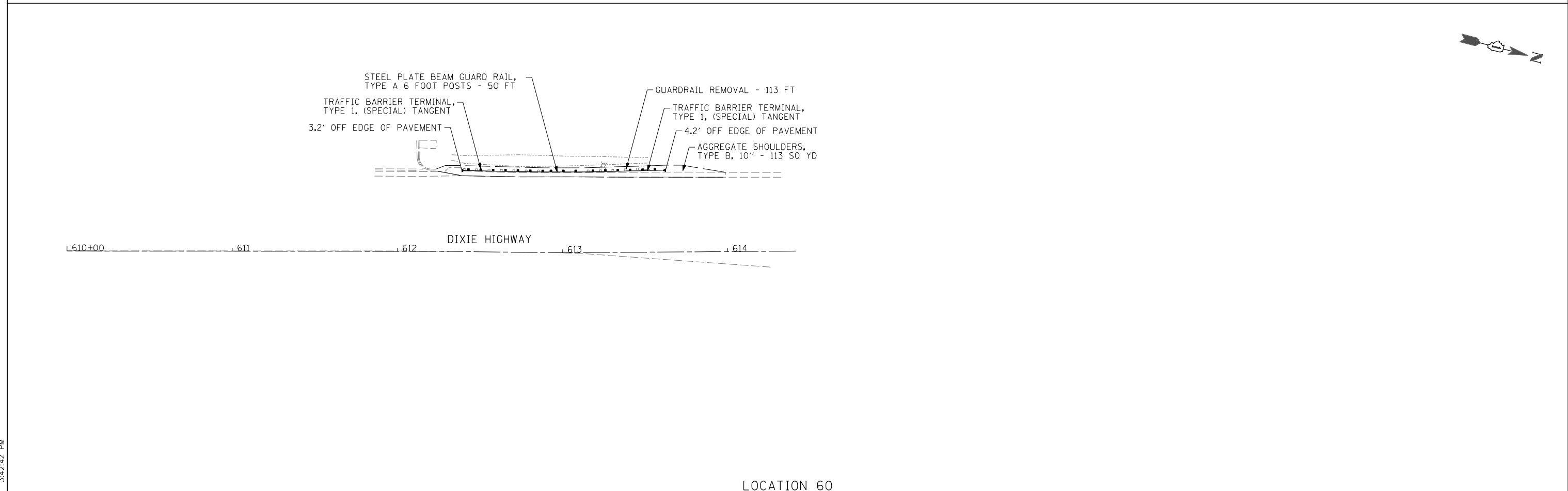
**GUARDRAIL IMPROVEMENTS - SOUTHERN COOK COUNTY
ROADWAY PLANS**

SCALE: 30 SHEET NO. 17 OF 22 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2011-094-GRR	COOK	30	21
• VARIOUS ROUTES			CONTRACT NO. 60R22	
ILLINOIS FED. AID PROJECT				



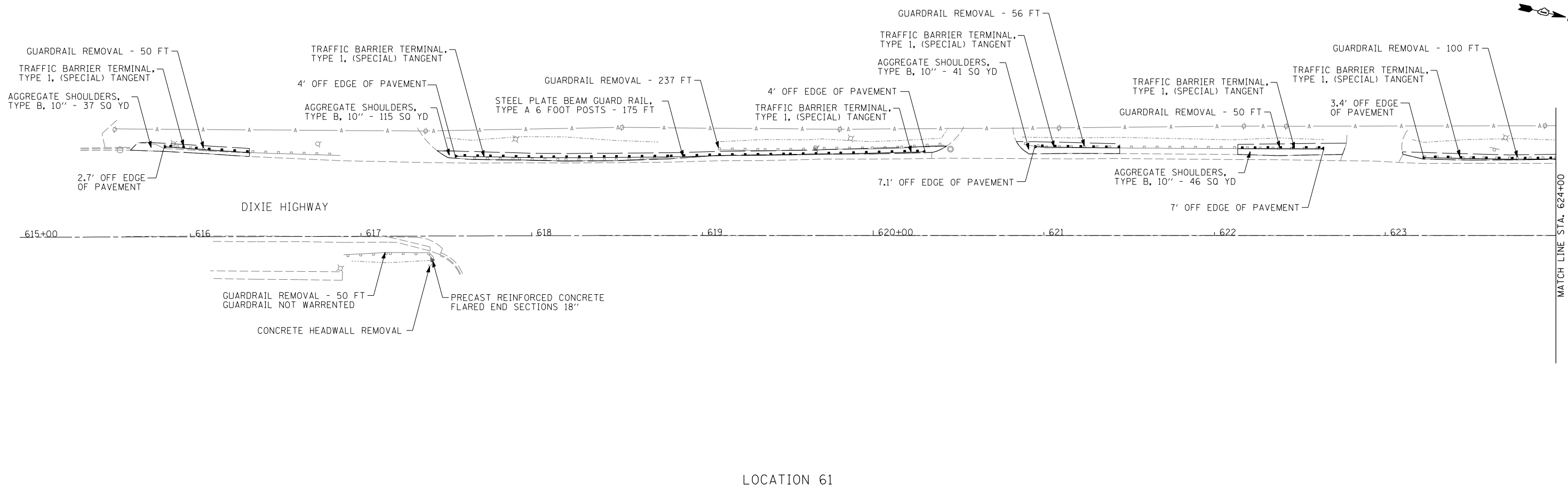
LOCATION 60



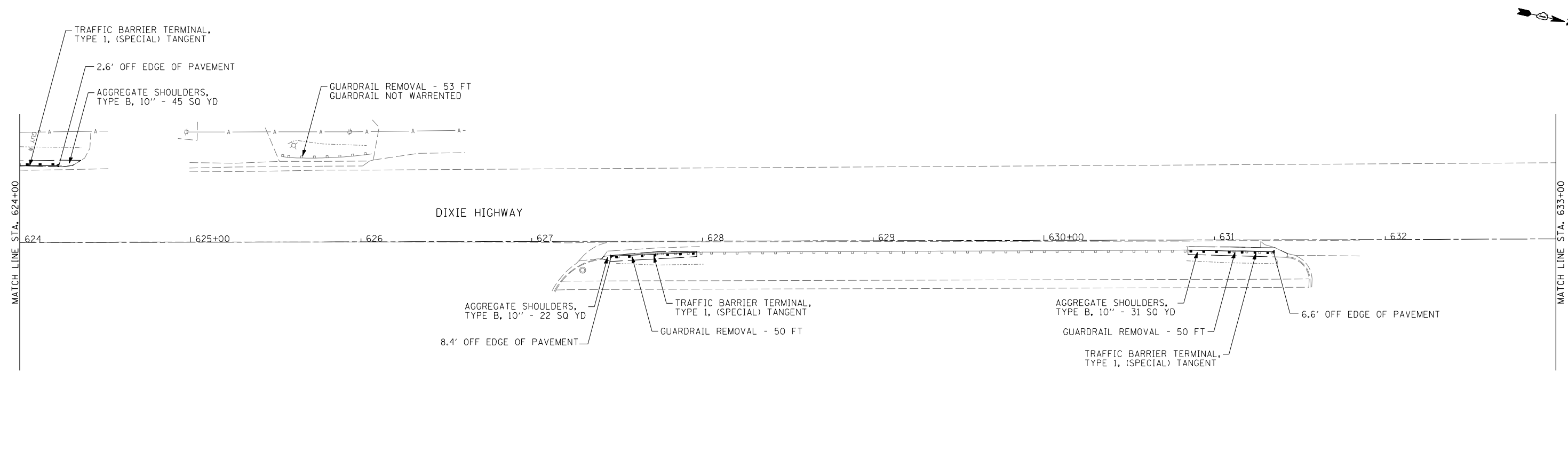
LOCATION 60

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		DRAWN - EAF	REVISED -		SCALE: 30	SHEET NO. 18 OF 22 SHEETS	STA.	TO STA.	• 2011-094-GRR	COOK	30	22	
		CHECKED - RS	REVISED -						• VARIOUS ROUTES				
		DATE - 02-07-2012	REVISED -										CONTRACT NO. 60R22
								ILLINOIS FED. AID PROJECT					



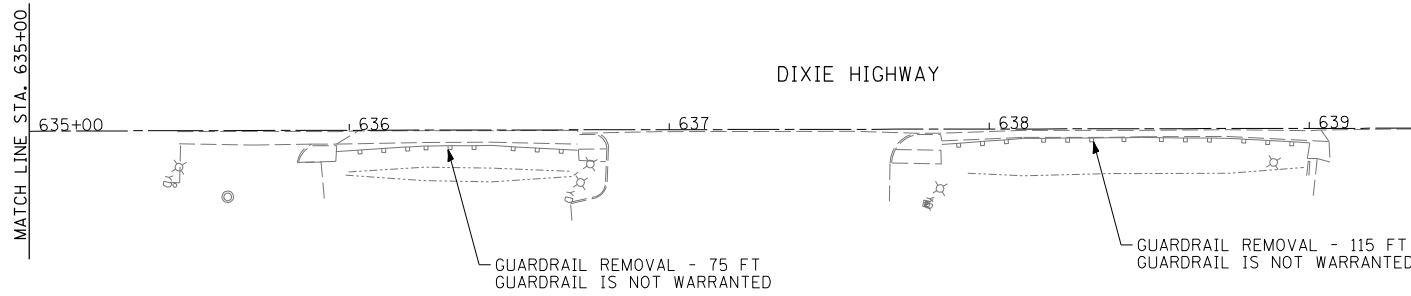
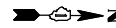
LOCATION 61



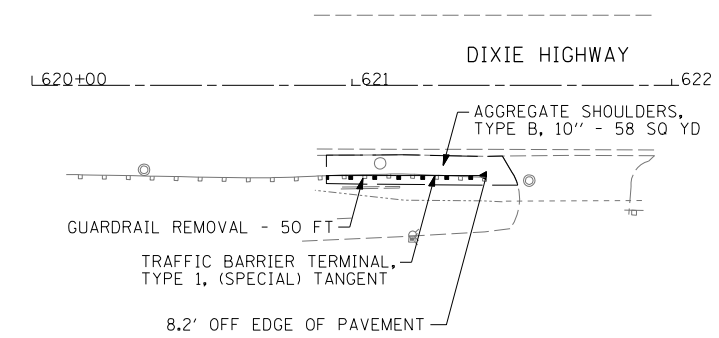
LOCATION 61

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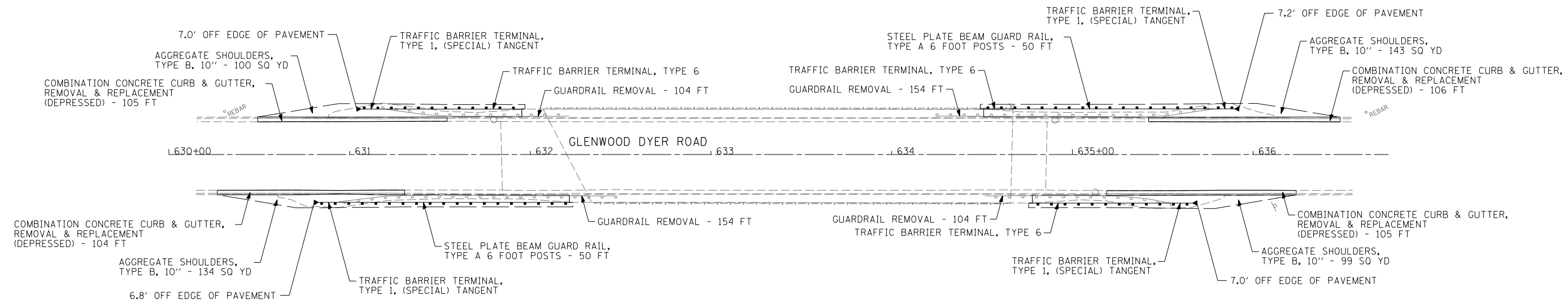
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PLOT SCALE = 60.0000' / IN.	CHECKED - RS	REVISED -	•				2011-094-GRR	COOK	30	23	
PLOT DATE = 2/6/2012	DATE - 02-07-2012	REVISED -	•		VARIOUS ROUTES	CONTRACT NO. 60R22		ILLINOIS FED. AID PROJECT			
					SCALE: 30	SHEET NO. 19 OF 22 SHEETS	STA.	TO STA.			



LOCATION 61



LOCATION 62



LOCATION 63



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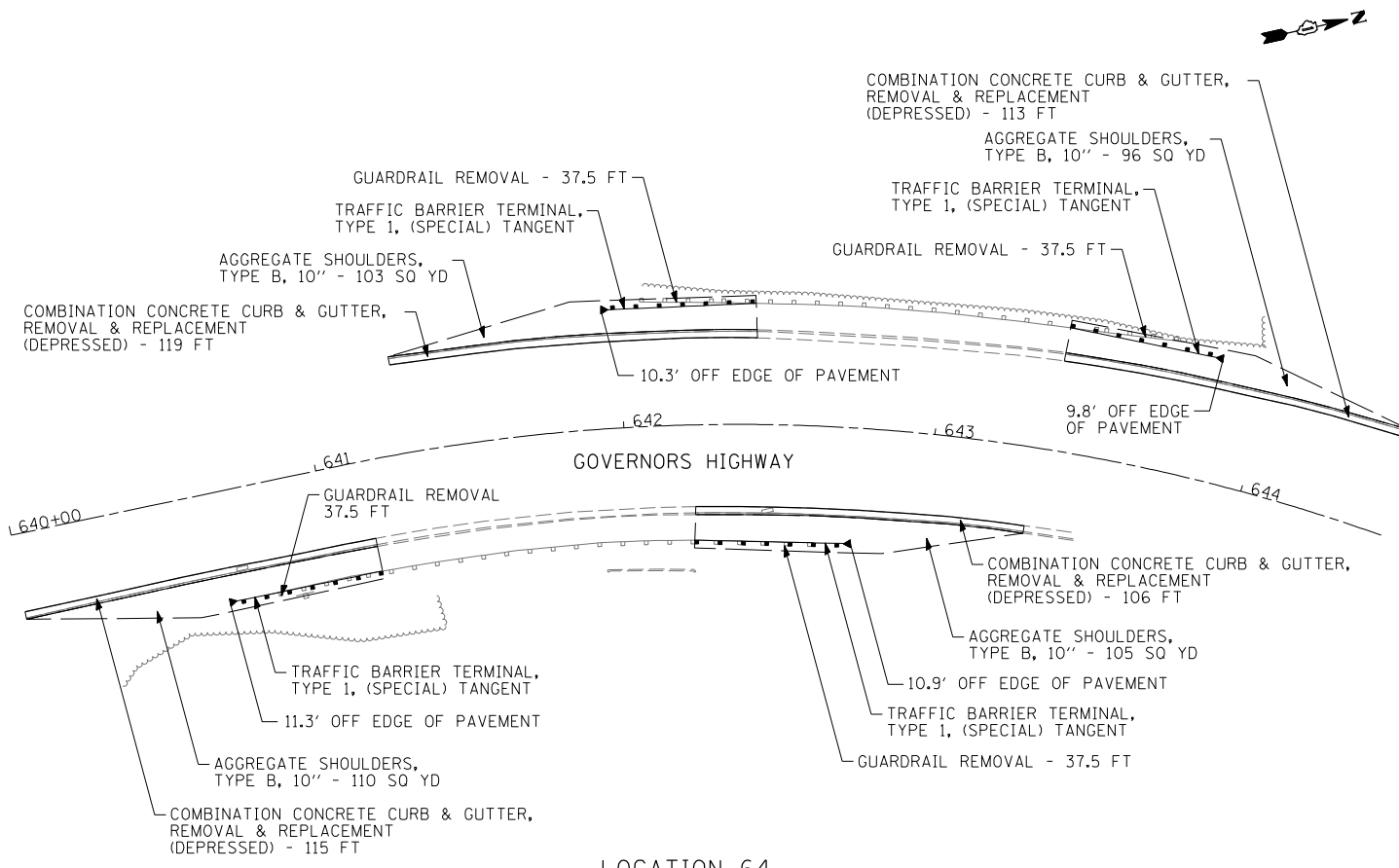
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

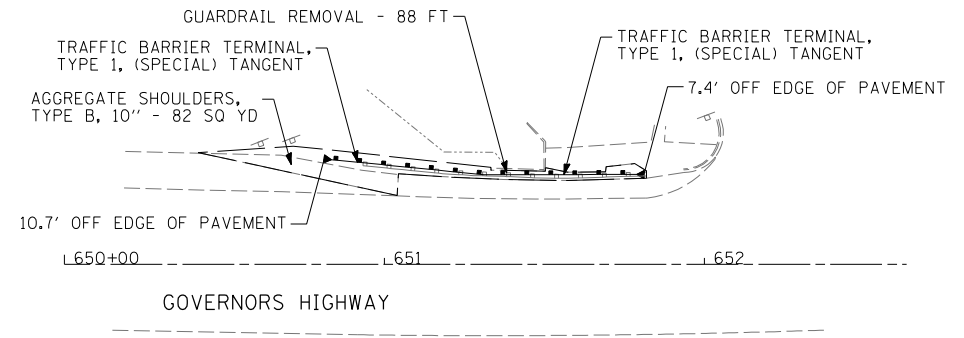
**GUARDRAIL IMPROVEMENTS - SOUTHERN COOK COUNTY
ROADWAY PLANS**

SCALE: 30 SHEET NO. 20 OF 22 SHEETS STA. TO STA.

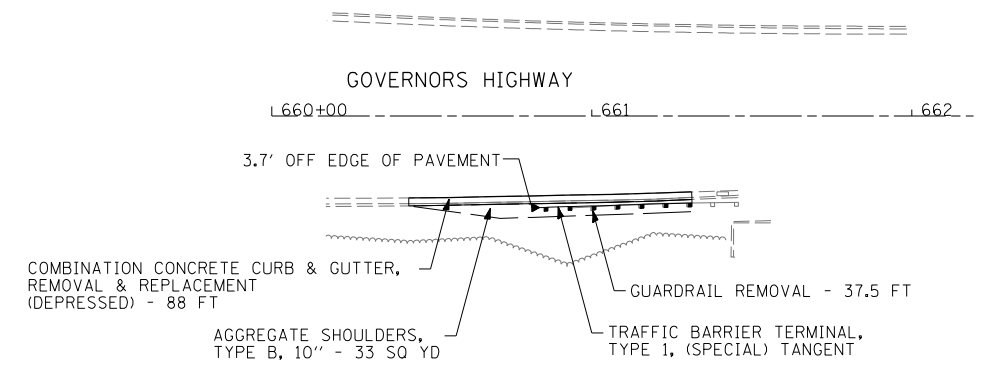
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2011-094-GRR	COOK	30	24
• VARIOUS ROUTES		CONTRACT NO. 60R22		
ILLINOIS FED. AID PROJECT				



LOCATION 64

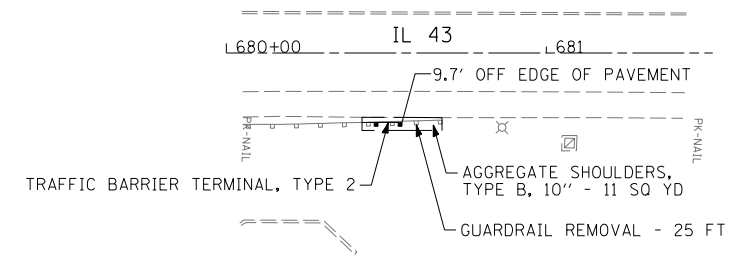


LOCATION 65



LOCATION 66

NOTE:
THERE IS NO LOCATION 67
THE NUMBER WAS SKIPPED



LOCATION 68

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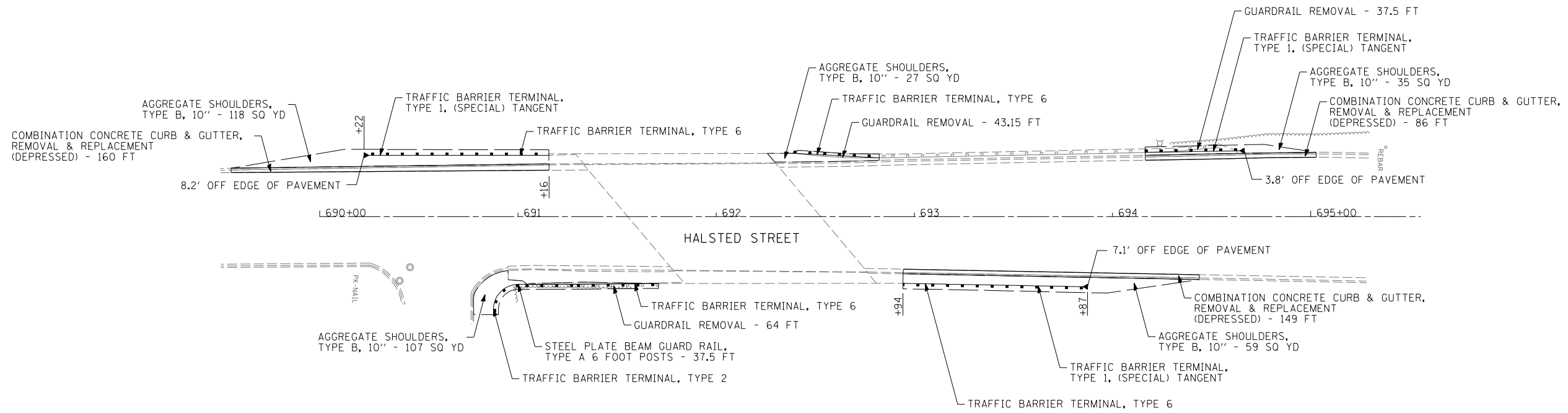
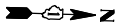
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL IMPROVEMENTS - SOUTHERN COOK COUNTY
ROADWAY PLANS**

SCALE: 30 SHEET NO. 21 OF 22 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2011-094-GRR	COOK	30	25
• VARIOUS ROUTES			CONTRACT NO. 60R22	
ILLINOIS FED. AID PROJECT				



LOCATION 69

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		DATE - 02-07-2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL IMPROVEMENTS - SOUTHERN COOK COUNTY
ROADWAY PLANS

SCALE: 30 SHEET NO. 22 OF 22 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2011-094-GRR	COOK	30	26
• VARIOUS ROUTES			CONTRACT NO. 60R22	
ILLINOIS FED. AID PROJECT				

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

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

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

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

18" (450) MAX.

1/4" (5) **

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

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

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

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

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ 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.

⑥ 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.

⑦ 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.

⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

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

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

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

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

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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

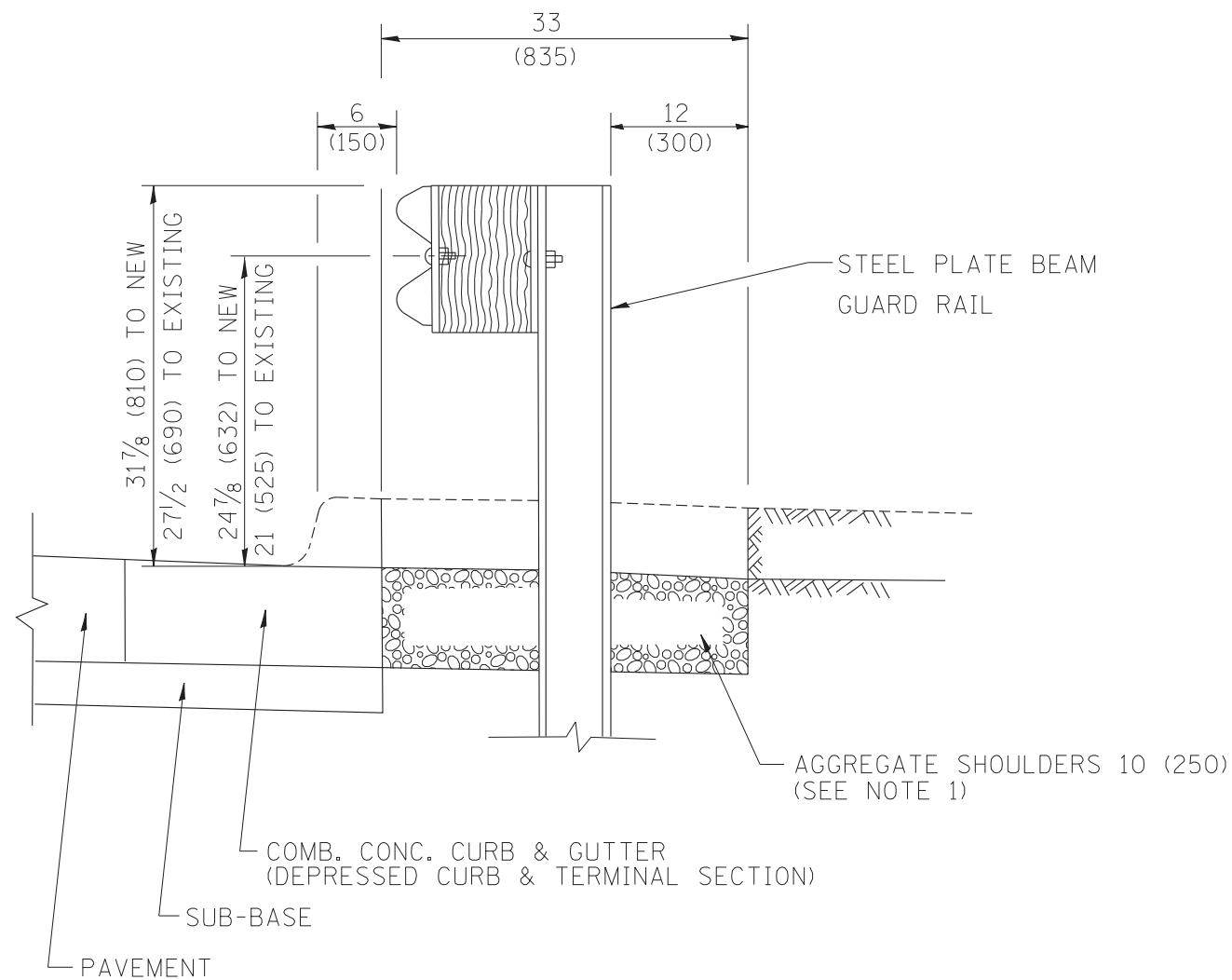
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN. * VARIOUS ROUTES

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	PLOT DATE = 12/15/2009	DATE - 03-11-94	REVISED - R. BORO 12-15-09

**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.

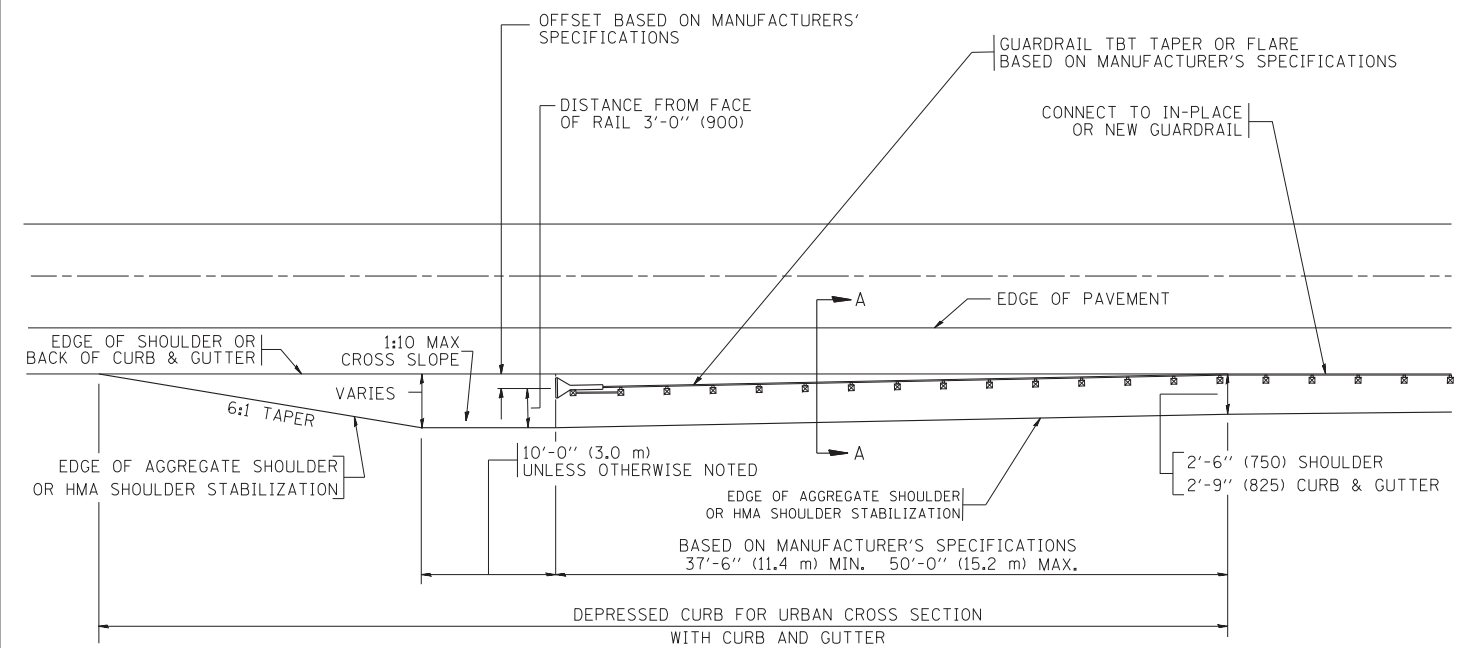
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2011-094-GRR	COOK	30	27
BD600-06 (BD-24)			CONTRACT NO. 60R22	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SECTION A-A

- NOTES:
1. THE AGGREGATE SHOULDER, 10" OR HMA SHOULDER, 6" (IF REQUIRED) SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
 2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
 3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION HEIGHT TO BE PLACED MUST MATCH THE HEIGHT OF THE IN-PLACE GUARDRAIL.

DETAILS FOR STEEL PLATE BEAM
GUARD RAIL ADJACENT TO CURB AND GUTTER
[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]



DEPRESSED CURB AND GUTTER AND
SHOULDER TREATMENT AT TBT TY. 1 SPL.

BASIS OF PAYMENT: HMA SHOULDERS 6 (150) (IF REQUIRED) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SHOULDERS 6" (150 mm)".

STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

TBT = TRAFFIC BARRIER TERMINAL
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
* VARIOUS ROUTES

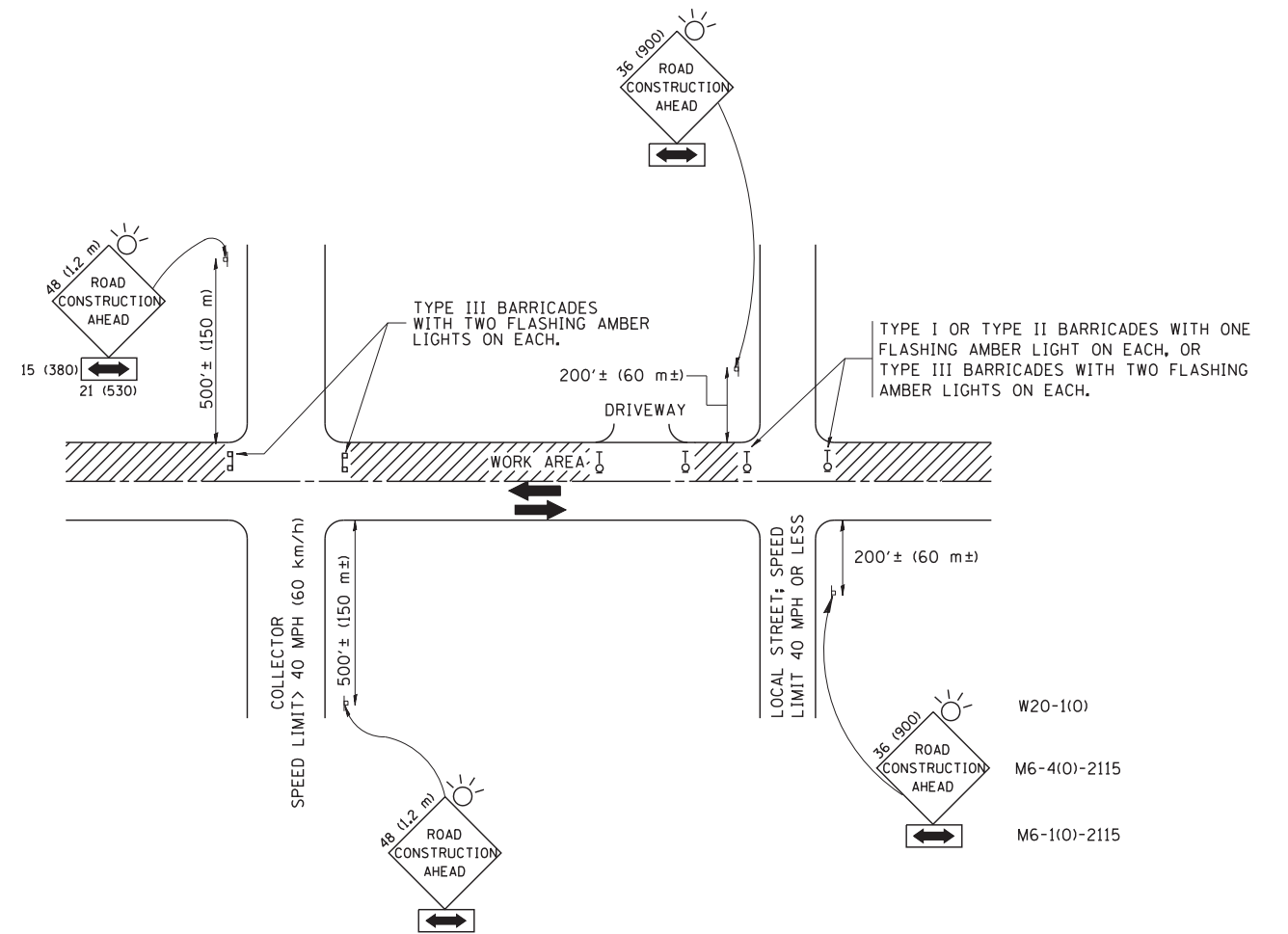
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR DEPRESSED CURB & GUTTER AND
SHOULDER TREATMENT AT TBT TY 1 SPL.

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2011-094-GRR	COOK	30	28
BD600-10 (BD 34)		CONTRACT NO. 60R22		
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. * VARIOUS ROUTES

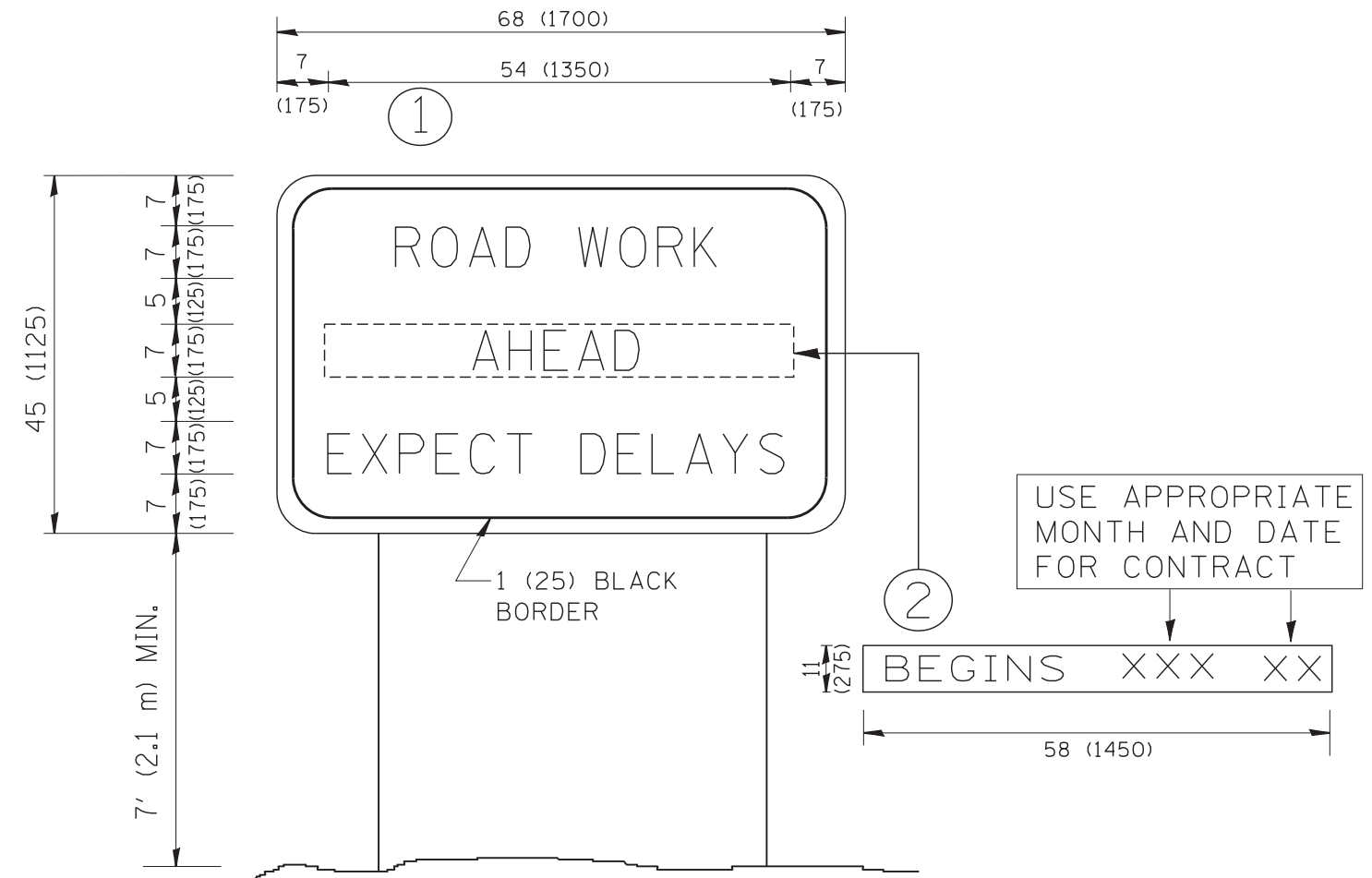
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	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACH 01-06-00

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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2011-094-GRR	COOK	30	29
TC-10			CONTRACT NO. 60R22	
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.

* VARIOUS ROUTES

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	PLOT DATE = 1/4/2008	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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2011-094-GRR	COOK	30	30
TC-22		CONTRACT NO. 60R22		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				