

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2011-092-GRR	COOK	20	1
		ILLINOIS	CONTRACT NO. 60R20	

• VARIOUS ROUTES

FOR INDEX OF SHEETS, SEE SHEET NO. 2 04-27-12 LETTING ITEM 007 STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

TRAFFIC DATA

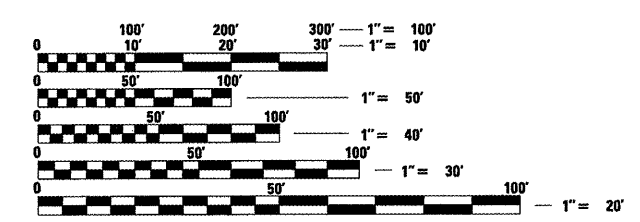
IL 58 EXISTING ADT = 10,800 - 47,400 SPEED LIMIT = 45 - 55 MPH	DEVON AVENUE EXISTING ADT = 10,400 SPEED LIMIT = 40 MPH
IL 62 EXISTING ADT = 33,800 SPEED LIMIT = 40 MPH	HICKS ROAD EXISTING ADT = 18,000 - 20,400 SPEED LIMIT = 40 MPH
IL 68 EXISTING ADT = 7900 - 10,700 SPEED LIMIT = 55 MPH	PALATINE ROAD EXISTING ADT = 12,300 - 46,300 SPEED LIMIT = 20 - 55 MPH
IL 72 EXISTING ADT = 23,500 - 31,700 SPEED LIMIT = 40 - 50 MPH	US 45 EXISTING ADT = 22,000 - 30,000 SPEED LIMIT = 40 - 45 MPH
IL 83 EXISTING ADT = 23,700 - 30,700 SPEED LIMIT = 40 - 45 MPH	WOLF ROAD EXISTING ADT = 17,100 SPEED LIMIT = 40 MPH

VARIOUS ROUTES
SECTION 2011-092-GRR
VARIOUS LOCATIONS IN NORTHERN COOK COUNTY
GUARDRAIL IMPROVEMENTS
PROJECT: HSIP-000S(881)
COOK COUNTY
C-91-047-12

D-91-047-12

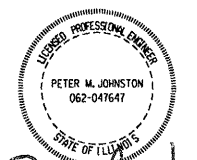
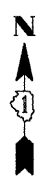
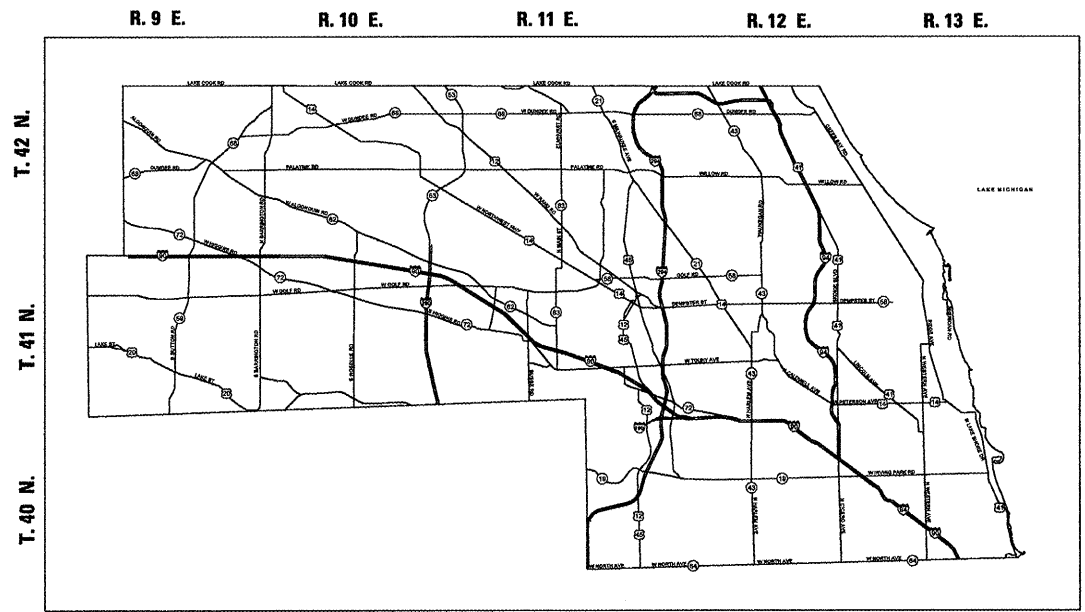


THE PROJECT IS LOCATED IN THE CITIES OF CHICAGO, DES PLAINES, ELGIN, PROSPECT HEIGHTS, ROLLING MEADOWS AND IN THE VILLAGES OF ARLINGTON HEIGHTS, BARRINGTON HILLS, DUNDEE, ELK GROVE, GLENVIEW, HOFFMAN ESTATES, INVERNESS, MOUNT PROSPECT, PALATINE, ROSEMONT, SCHAUMBURG, WHEELING



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



Peter M. Johnston
1-27-12
LICENSE EXPIRES 11-28-2011

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED JANUARY 30, 2012
Deane M. O'Keefe, Jr.
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 28, 2012
John D. Baranzelli, P.E.
acting ENGINEER OF DESIGN AND ENVIRONMENT

March 28, 2012
William R. Frey, Jr.
acting DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PROJECT ENGINEER: PETER JOHNSTON (GRAEF) 773-399-0112
PROJECT MANAGER: KEN ENG (IDOT) 847-705-4247
CONTRACT NO. 60R20

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

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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
5-16	ROADWAY PLAN
17	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD24)
18	DETAILS FOR DEPRESSED CURB AND GUTTER AND SHOULDER TREATMENT AT TBT TY 1 SPL (BD34)
19	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC 10)
20	ARTERIAL ROAD INFORMATION SIGNING (TC22)

HIGHWAY STANDARDS

STD. NO.	TITLE
542301 - 03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542311 - 03	GRATING FOR CONCRETE FLARED END SECTION
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
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 - 06	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

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 CONTACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.
- 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.
- IN AREAS OF EMBANKMENT SLOPE WIDENINGS TO ACCOMMODATE GUARDRAIL AND GUARDRAIL TERMINALS, THE WIDENING EMBANKMENT SHALL BE SECURED TO THE EXISTING SLOPES THROUGH BENCHING OR PLOWING IN ACCORDANCE WITH SECTION 205 OF THE STANDARD SPECIFICATIONS. THE WORK WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED IF THE COST OF EXCAVATING AND GRADING EXISTING SHOULDERS.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes
STABILIZED MEDIAN SURFACE	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"	4% @ 70 GYR
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm), 10"	4% @ 70 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.

Rev.

FILE NAME =	USER NAME = USER.	DESIGNED - EF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL IMPROVEMENTS - NORTHERN 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 = 2/13/2012	CHECKED - RS	REVISED -			• VARIOUS ROUTES	CONTRACT NO. 60R20	ILLINOIS FED. AID PROJECT		
		DATE - 02-07-2012	REVISED -	SCALE: 50	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.			

SUMMARY OF QUANTITIES

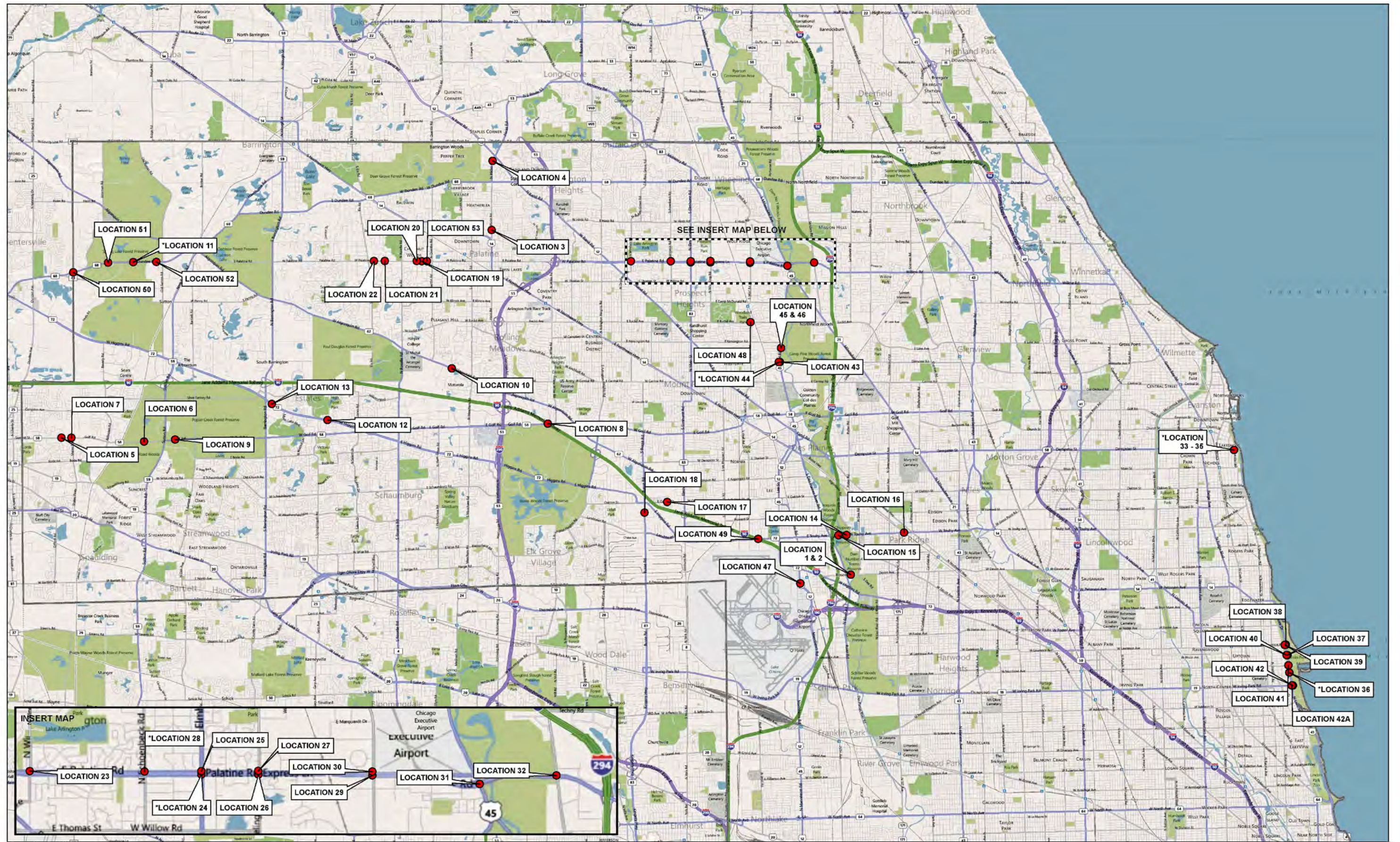
90% FED.
10% STATE
URBAN

PAY ITEM NUMBER	DESCRIPTION	UNIT	TOTAL QUANTITY	0021 SAFETY
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	52	52
21101815	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	2,340	2,340
25000210	SEEDING, CLASS 2A	ACRE	0.48	0.48
25200110	SODDING, SALT TOLERANT	SQ YD	12	12
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	43	43
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	43	43
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	43	43
25100690	EROSION CONTROL BLANKET	SQ YD	2,328	2,328
42001300	PROTECTIVE GOAT	SQ YD	866	866
44003100	MEDIAN REMOVAL	SQ FT	5,424	5,424
48101820	AGGREGATE SHOULDERS, TYPE B 10"	SQ YD	3,083	3,083
50105220	PIPE CULVERT REMOVAL	FOOT	10	10
54213889	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2
54247130	GRATING FOR CONCRETE FLARED END SECTION 24"	EACH	2	2
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	18	18
63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A 6 FOOT POSTS	FOOT	502	502
63000017	STEEL PLATE BEAM GUARDRAIL, TYPE D, 6 FOOT POSTS	FOOT	175	175
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	6	6
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	12	12
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	46	46
63200310	GUARDRAIL REMOVAL	FOOT	3,949	3,949
64300240	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	4	4
64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	7	7
64301060	ATTENUATOR BASE	SQ YD	102	102
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
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1
78200420	GUARDRAIL MARKERS, TYPE B	EACH	103	103
78201000	TERMINAL MARKER DIRECT APPLIED	EACH	46	46
89502376	REBUILD EXISTING HANDHOLE	EACH	3	3
Z0004562	COMBINATION CONCRETE CURB & GUTTER, REMOVAL & REPLACEMENT	FOOT	2,598	2,598
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	154	154
Z0064800	SELECTIVE CLEARING	UNIT	0.36	0.36
X2503100	MOWING	UNIT	210	210
X8062100	STABILIZED MEDIAN SURFACE 12"	SQ YD	602	602

* DENOTES SPECIALTY ITEM

△ Non-participating (100% State)

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	PLOT DATE : 2/6/2012	DATE : 02-07-2012	REVISED :			ILLINOIS FED. AID PROJECT				
				SCALE: 50	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.			



*NO WORK REQUIRED

LOCATIONS 37-42A SHOWN ON THIS MAP ARE MAINTAINED BY THE CITY OF CHICAGO AND NOT INCLUDED IN THIS PROJECT

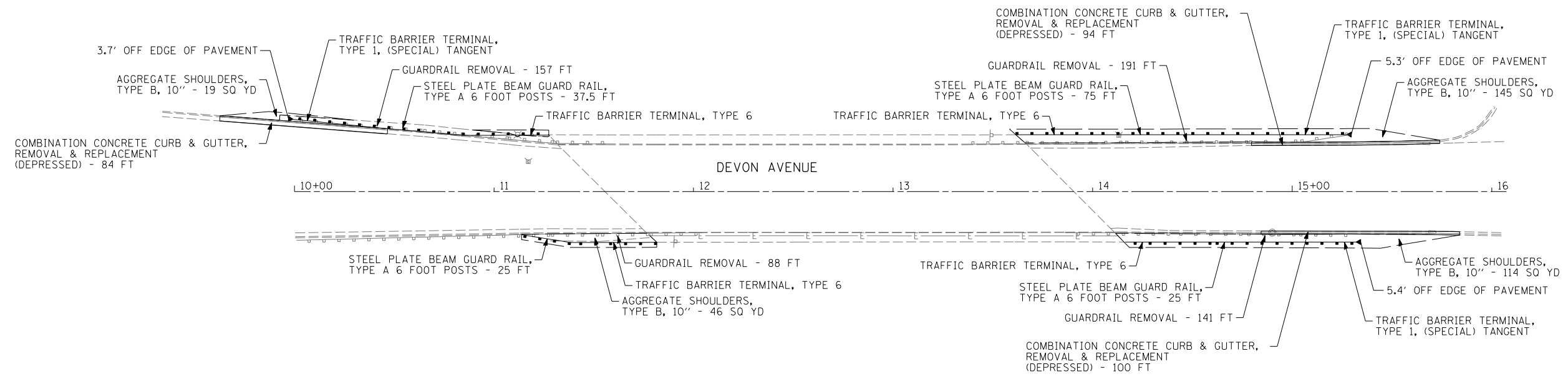
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

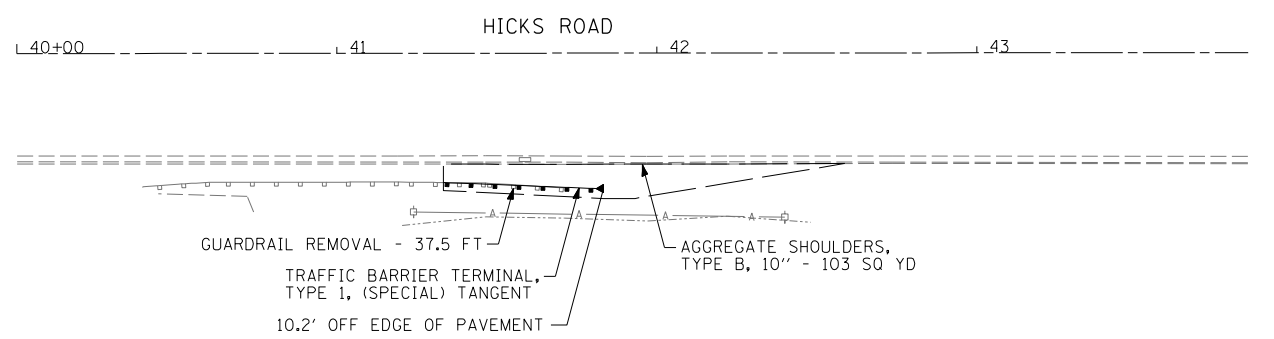
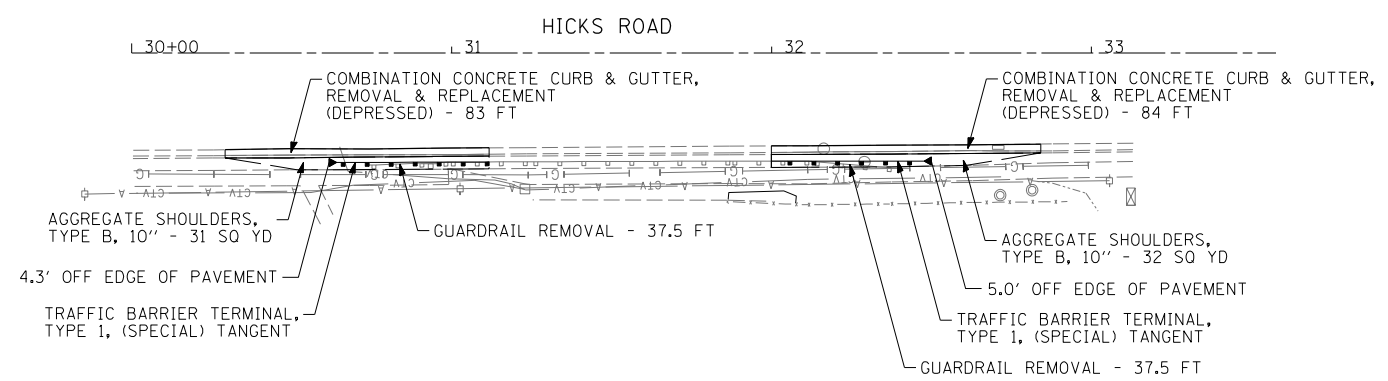
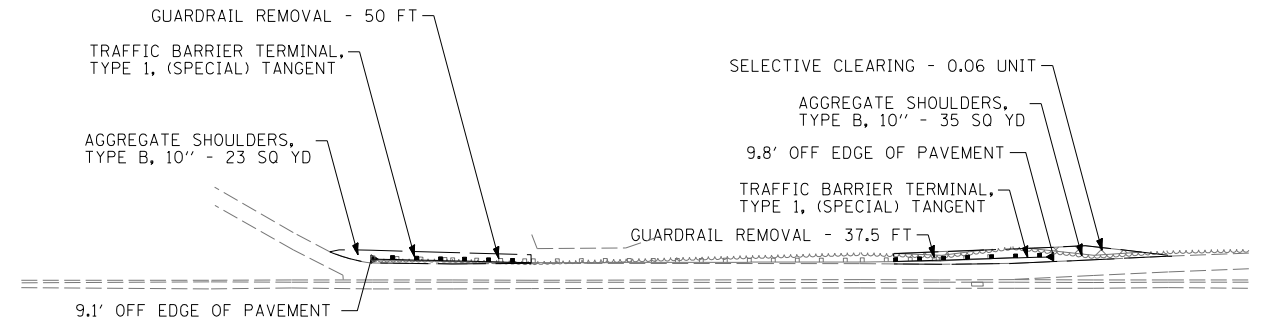
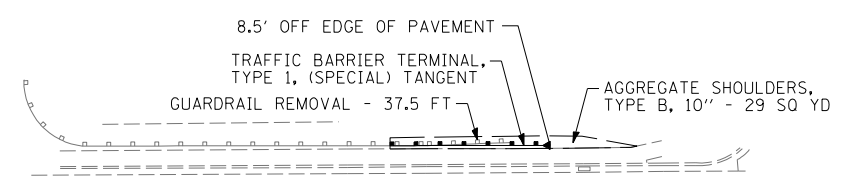
**GUARDRAIL IMPROVEMENTS – NORTHERN COOK COUNTY
LOCATION MAP**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• VARIOUS ROUTES	2011-092-GRR	COOK	20	4
			CONTRACT NO. 60R20	
ILLINOIS FED. AID PROJECT				



LOCATION 1 & 2



LOCATION 3

LOCATION 4

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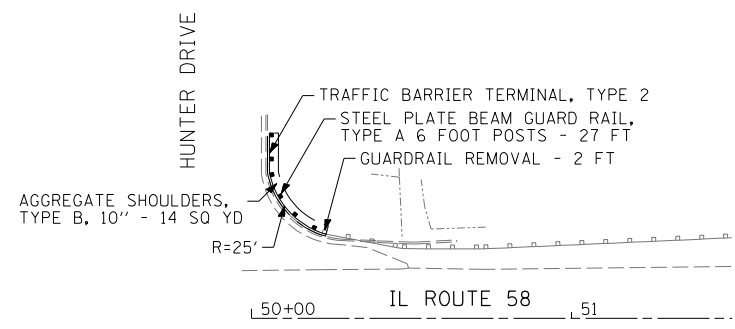
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

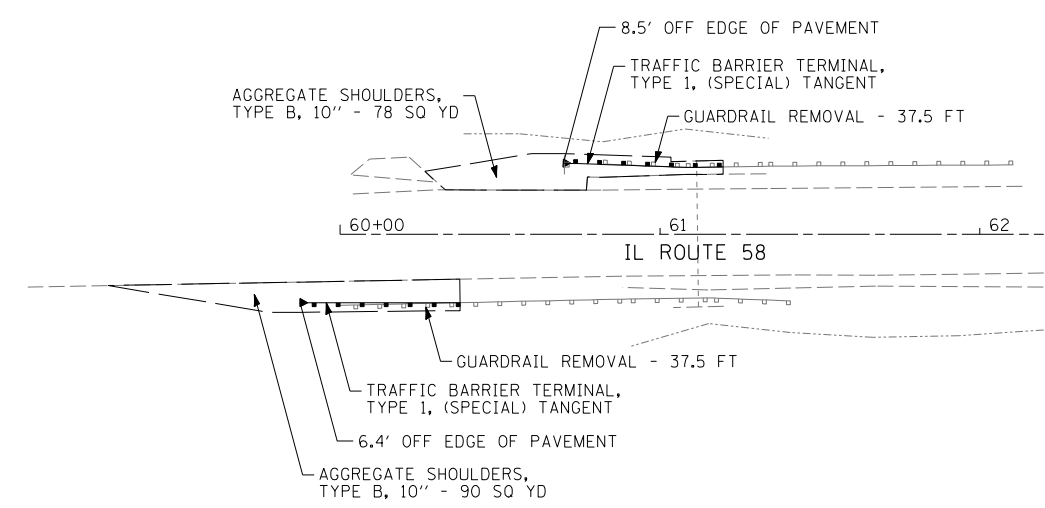
**GUARDRAIL IMPROVEMENTS - NORTHERN COOK COUNTY
ROADWAY PLANS**

SCALE: 30 SHEET NO. 1 OF 12 SHEETS STA. TO STA.

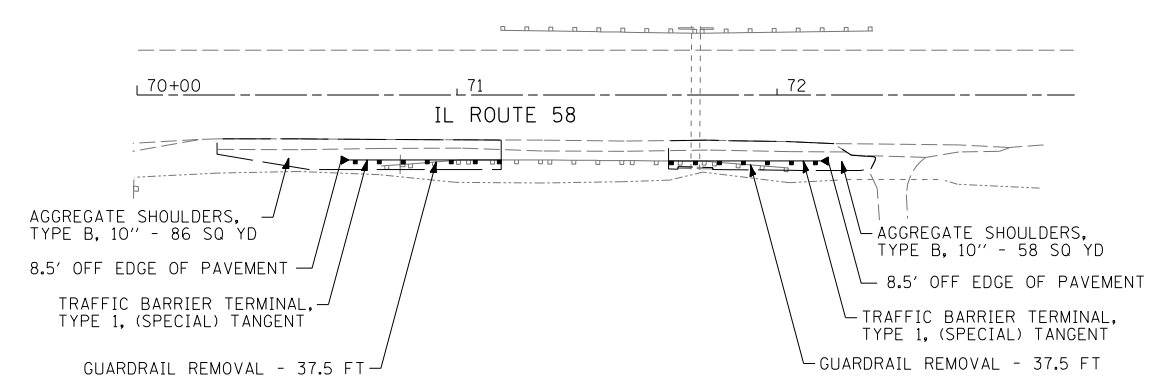
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• VARIOUS ROUTES			CONTRACT NO. 60R20	
ILLINOIS FED. AID PROJECT				



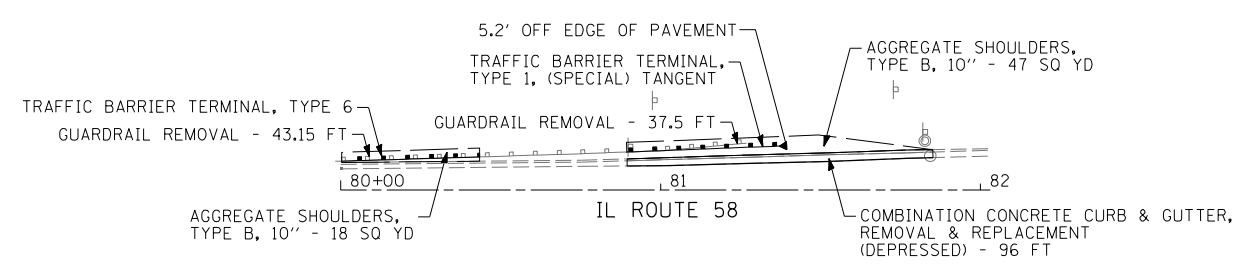
LOCATION 5



LOCATION 6



LOCATION 7



LOCATION 8

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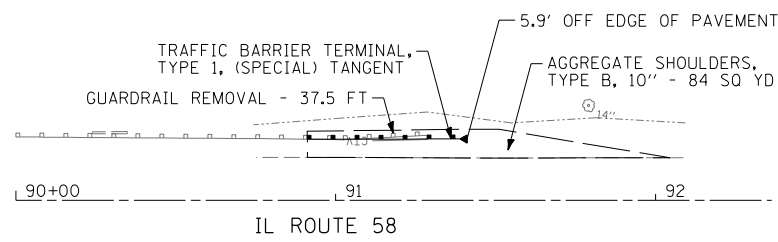
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

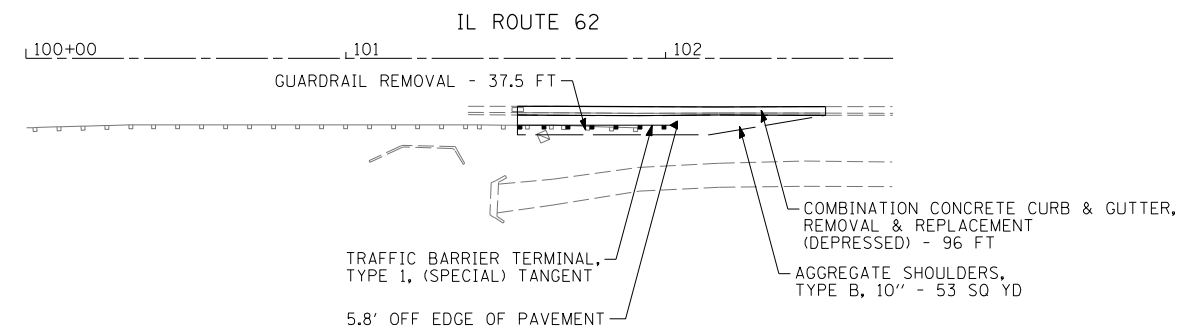
**GUARDRAIL IMPROVEMENTS - NORTHERN COOK COUNTY
ROADWAY PLANS**

SCALE: 30 SHEET NO. 2 OF 12 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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• VARIOUS ROUTES		CONTRACT NO. 60R20		
ILLINOIS FED. AID PROJECT				



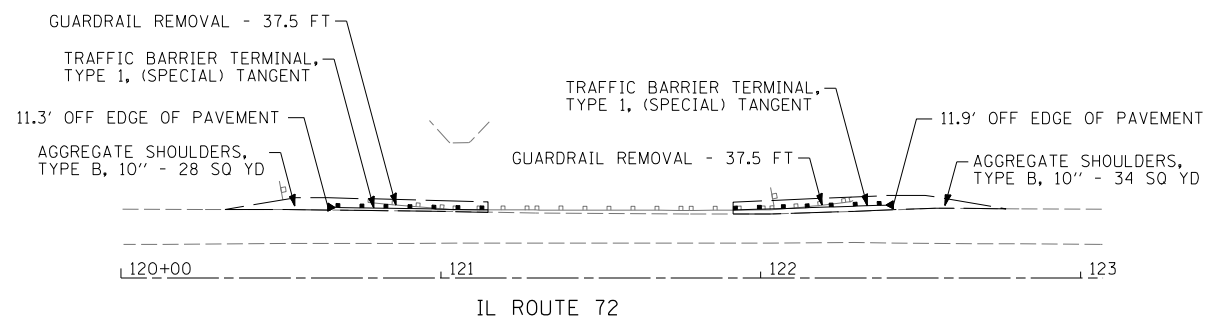
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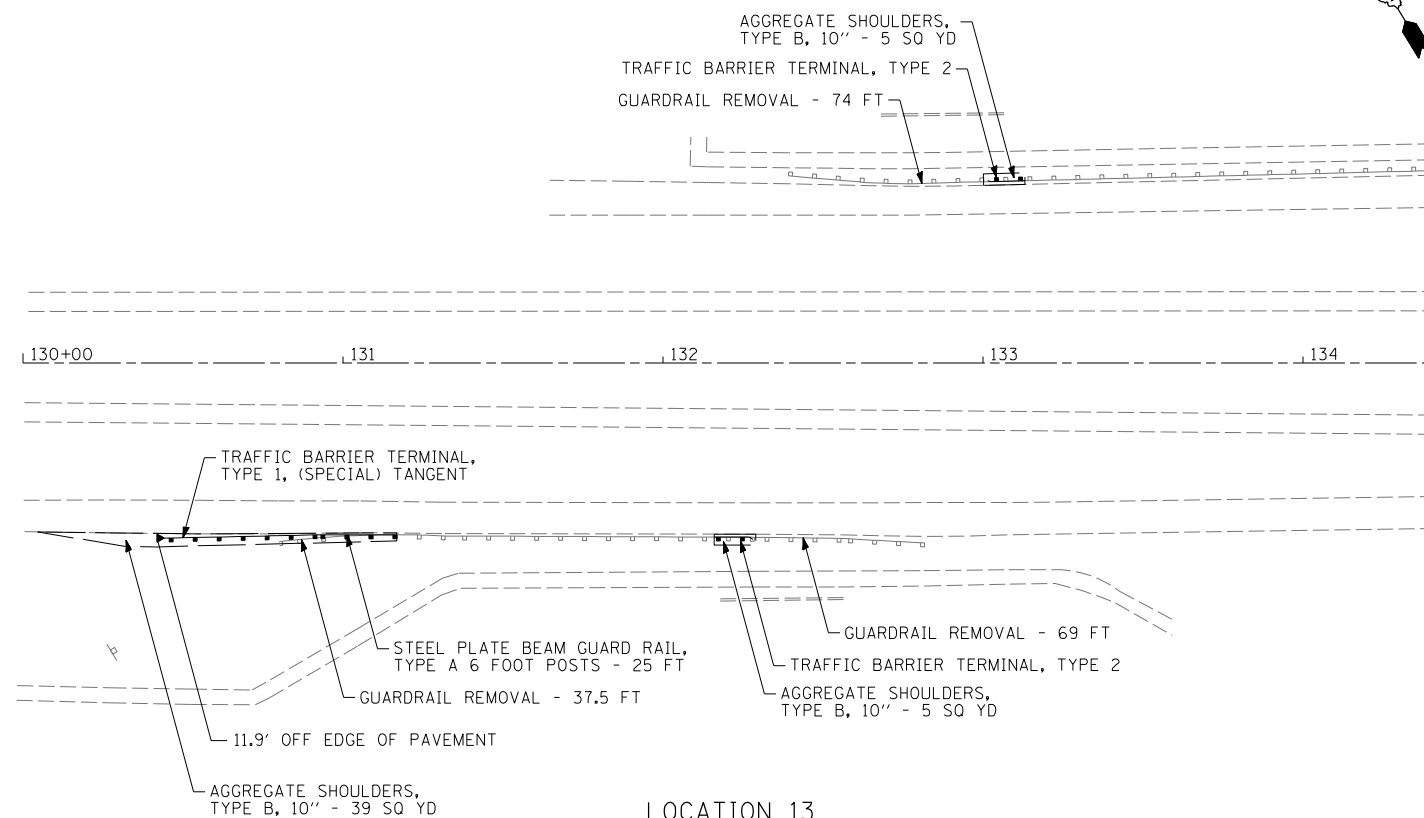
NOTE:

LOCATION 11 WORK HAS BEEN COMPLETED BY OTHERS

LOCATION 10



LOCATION 12



LOCATION 13

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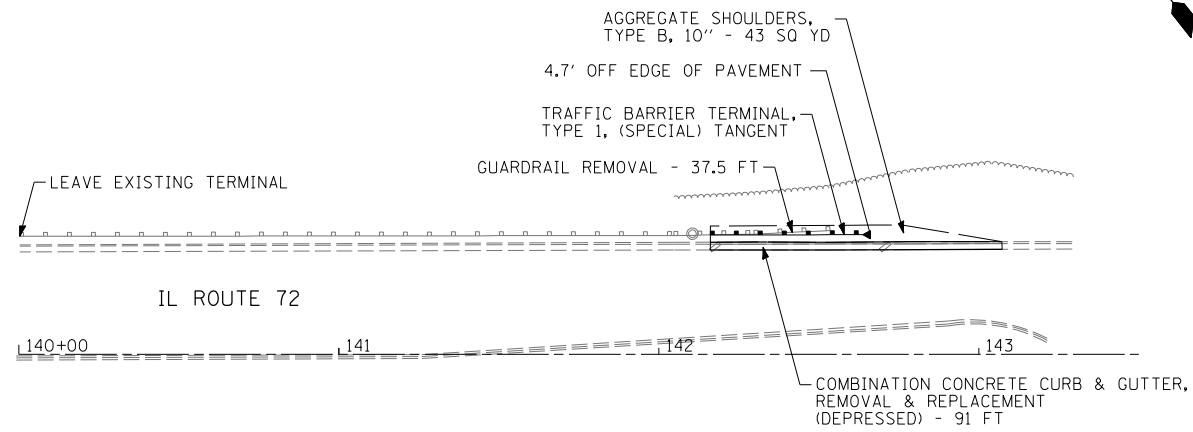
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

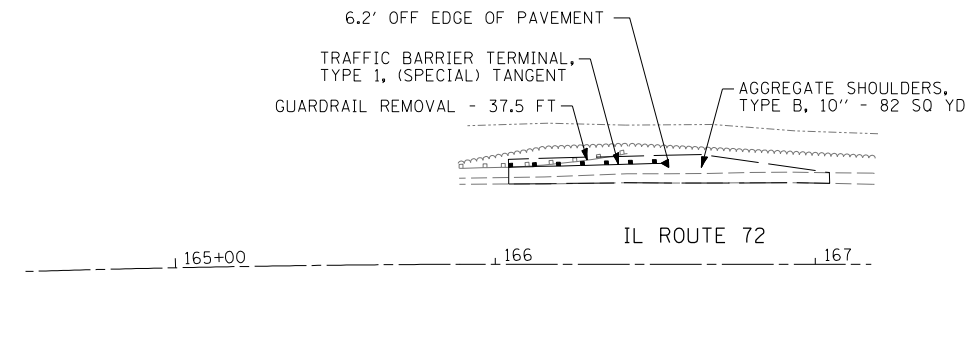
**GUARDRAIL IMPROVEMENTS - NORTHERN COOK COUNTY
ROADWAY PLANS**

SCALE: 30 SHEET NO. 3 OF 12 SHEETS STA. TO STA.

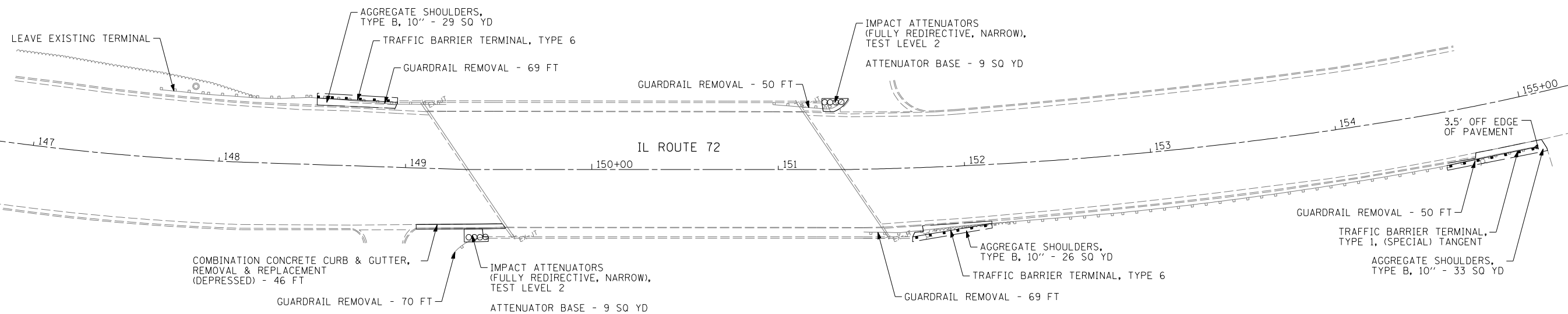
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•	2011-092-GRR	COOK	20	7
•	VARIOUS ROUTES	CONTRACT NO. 60R20		
ILLINOIS FED. AID PROJECT				



LOCATION 14-15



LOCATION 14-15



LOCATION 14-15

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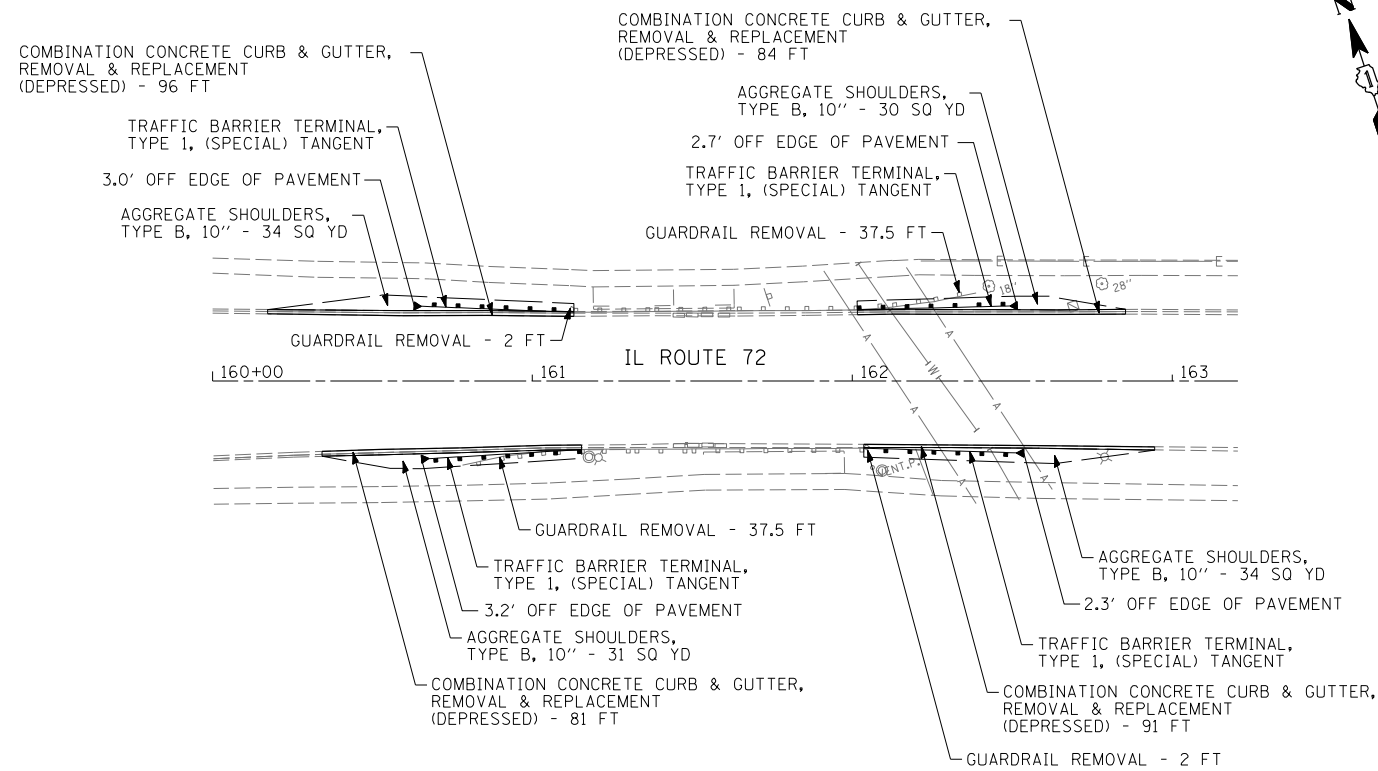
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

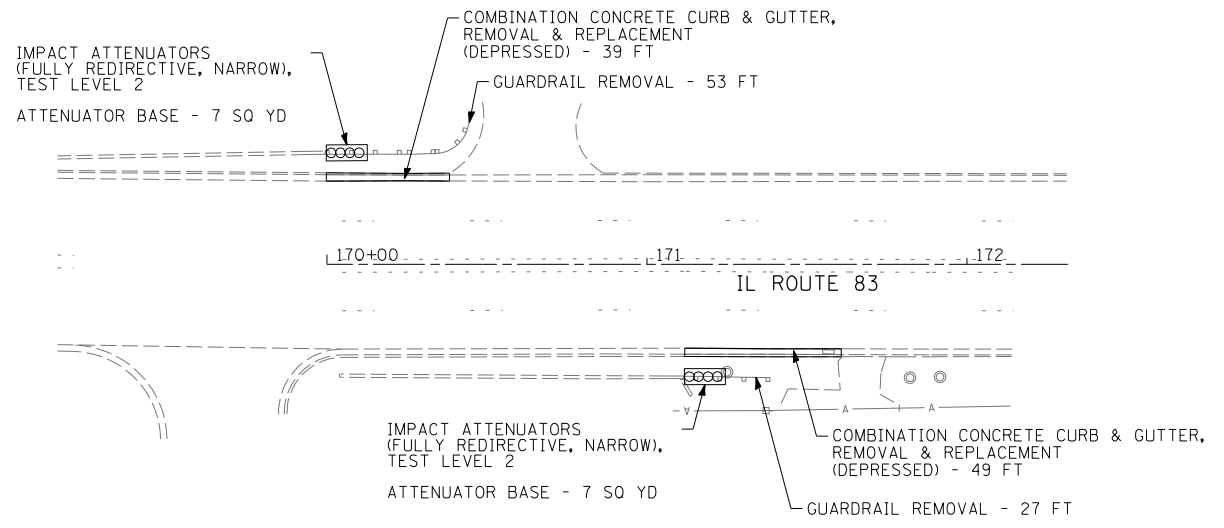
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ROADWAY PLANS**

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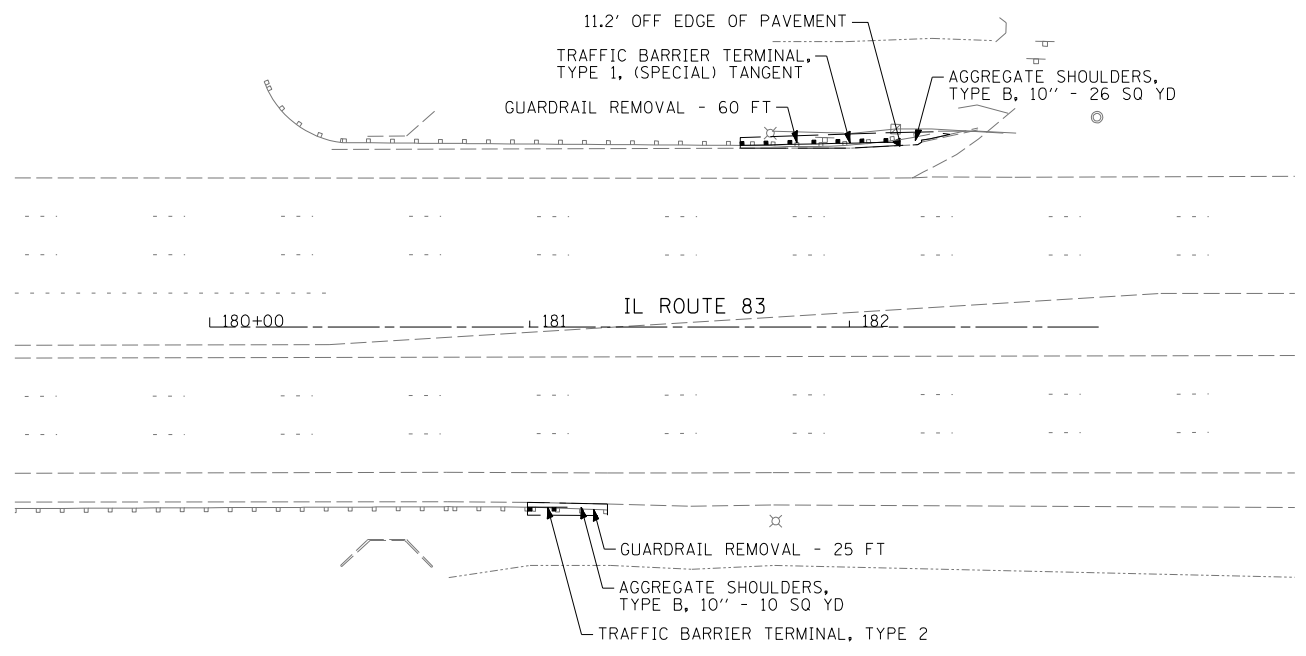
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•	VARIOUS ROUTES	CONTRACT NO. 60R20		
ILLINOIS FED. AID PROJECT				



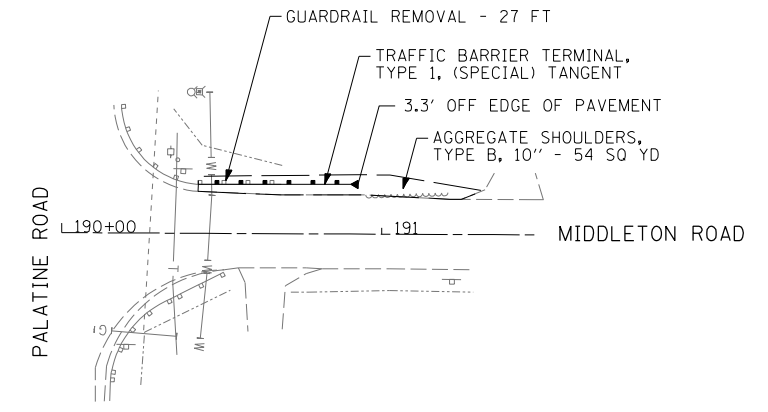
LOCATION 16



LOCATION 17



LOCATION 18



LOCATION 19

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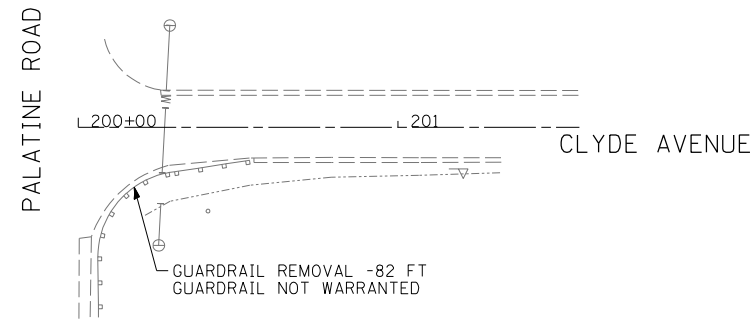
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL IMPROVEMENTS - NORTHERN COOK COUNTY
ROADWAY PLANS

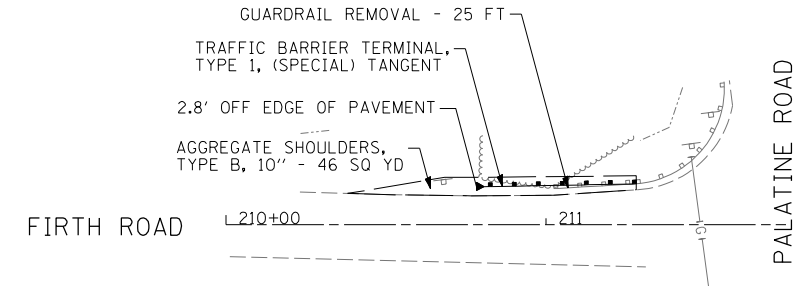
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2011-092-GRR	COOK	20	9
•	VARIOUS ROUTES	CONTRACT NO. 60R20		

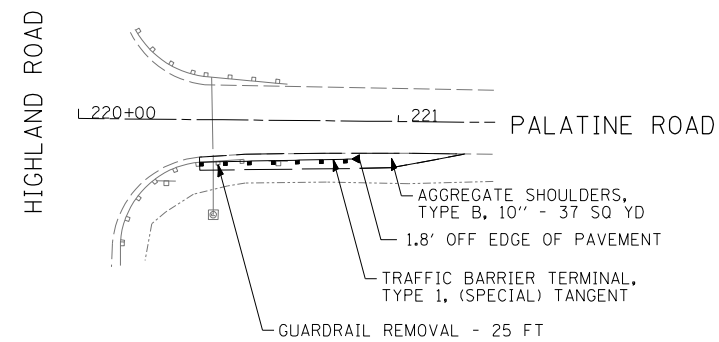
ILLINOIS FED. AID PROJECT



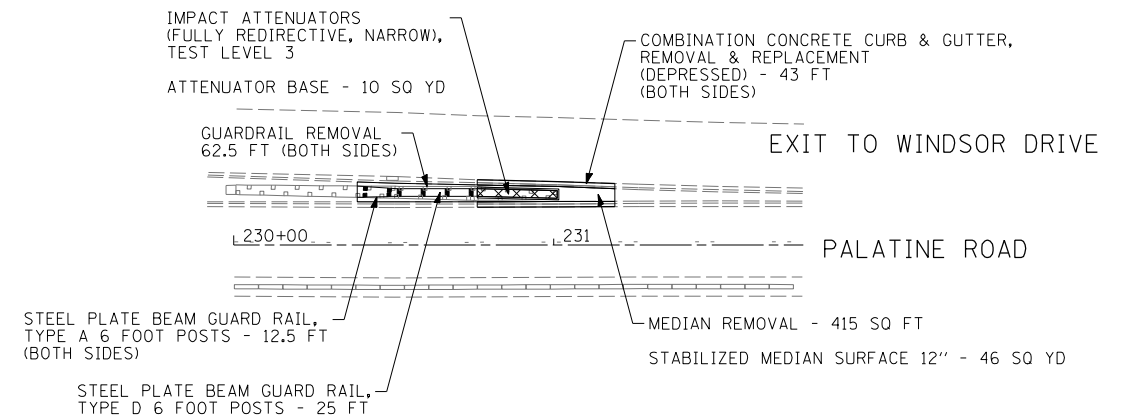
LOCATION 20



LOCATION 21



LOCATION 22



LOCATION 23

NOTE:
LOCATION 24 WORK HAS BEEN COMPLETED BY OTHERS

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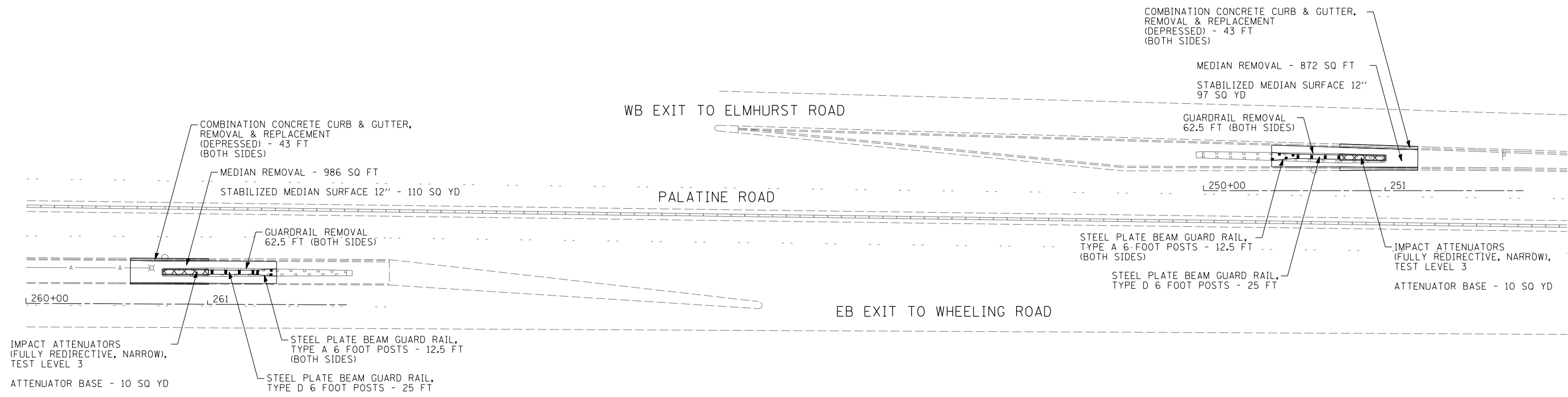
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

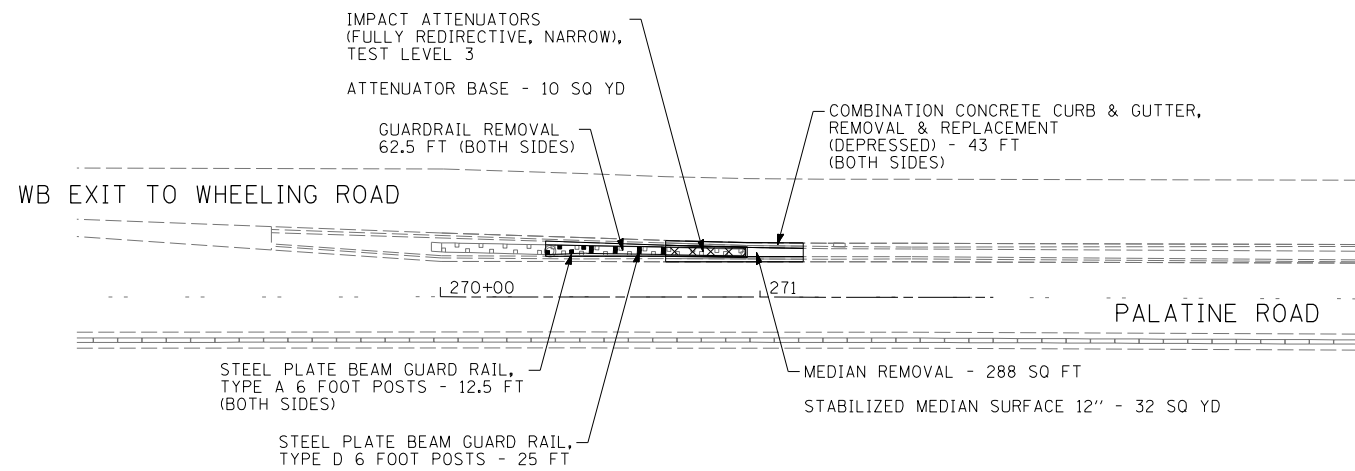
**GUARDRAIL IMPROVEMENTS - NORTHERN COOK COUNTY
ROADWAY PLANS**

SCALE: 30 SHEET NO. 6 OF 12 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2011-092-GRR	COOK	20	10
• VARIOUS ROUTES			CONTRACT NO. 60R20	
ILLINOIS FED. AID PROJECT				

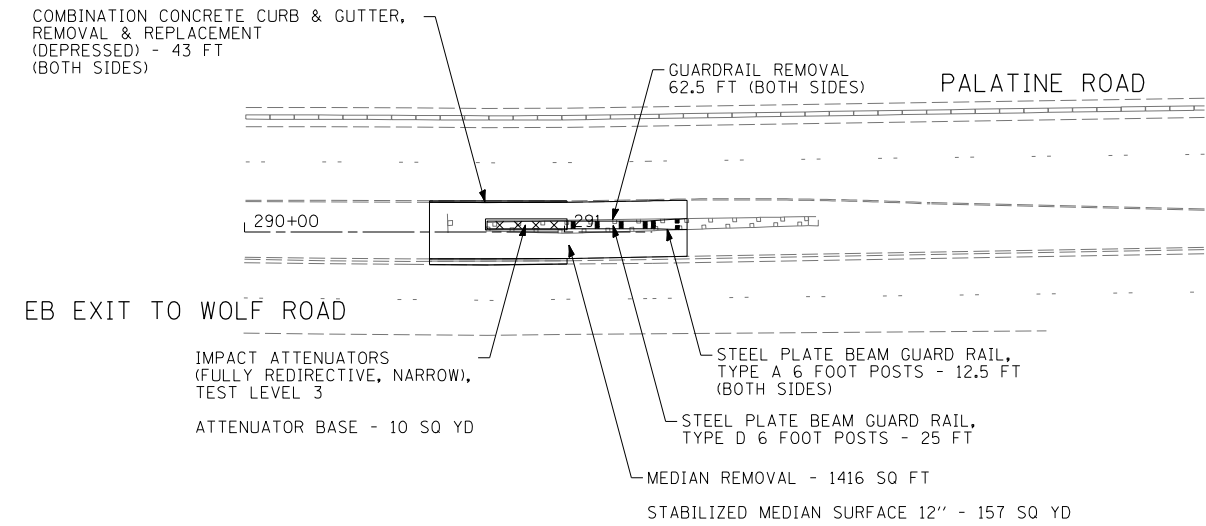


LOCATION 25 AND 26



LOCATION 27

NOTE:
LOCATION 28 WORK HAS BEEN
COMPLETED BY OTHERS



LOCATION 29

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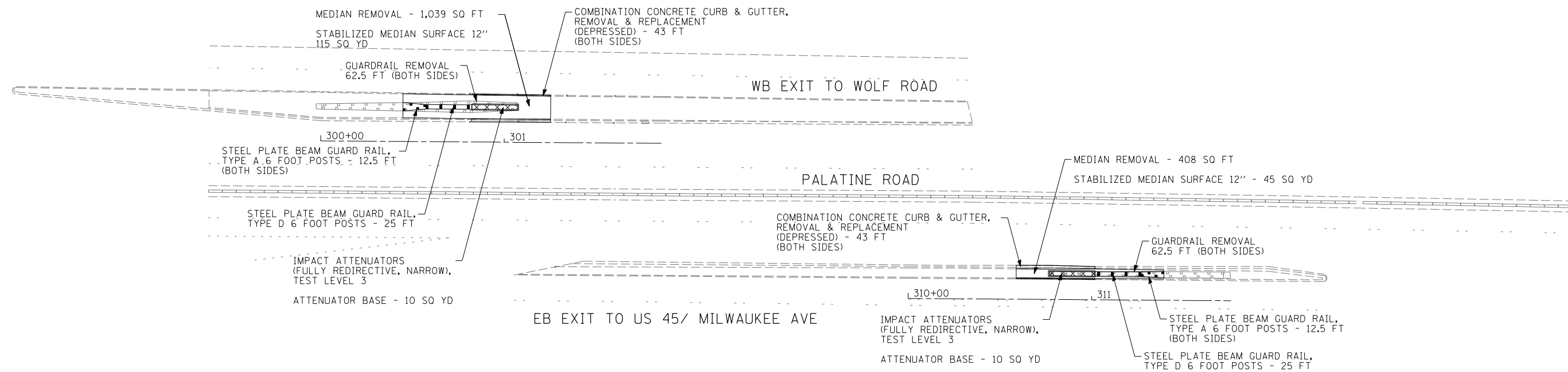
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

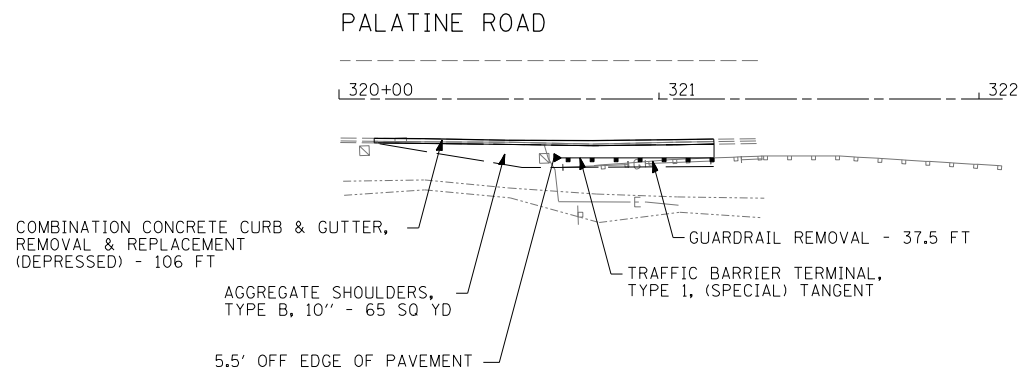
**GUARDRAIL IMPROVEMENTS - NORTHERN COOK COUNTY
ROADWAY PLANS**

SCALE: 30 SHEET NO. 7 OF 12 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	2011-092-GRR	COOK	20	11
•	VARIOUS ROUTES	CONTRACT NO. 60R20		
ILLINOIS FED. AID PROJECT				



LOCATION 30 & 31



LOCATION 32

NOTE:
 LOCATIONS 33-36 WORK HAS BEEN COMPLETED BY OTHERS
 LOCATIONS 37-42 HAVE BEEN OMITTED

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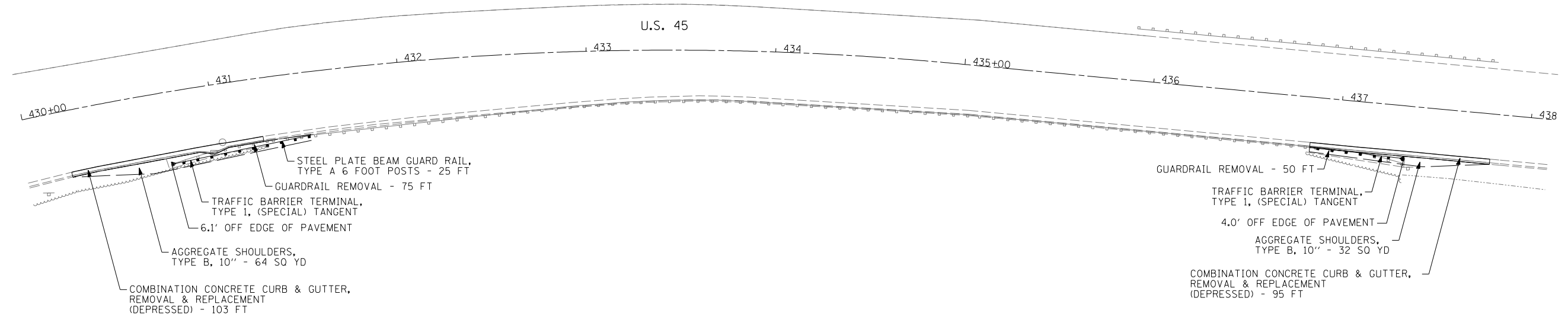
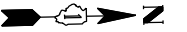
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

SCALE: 30 SHEET NO. 8 OF 12 SHEETS STA. TO STA.

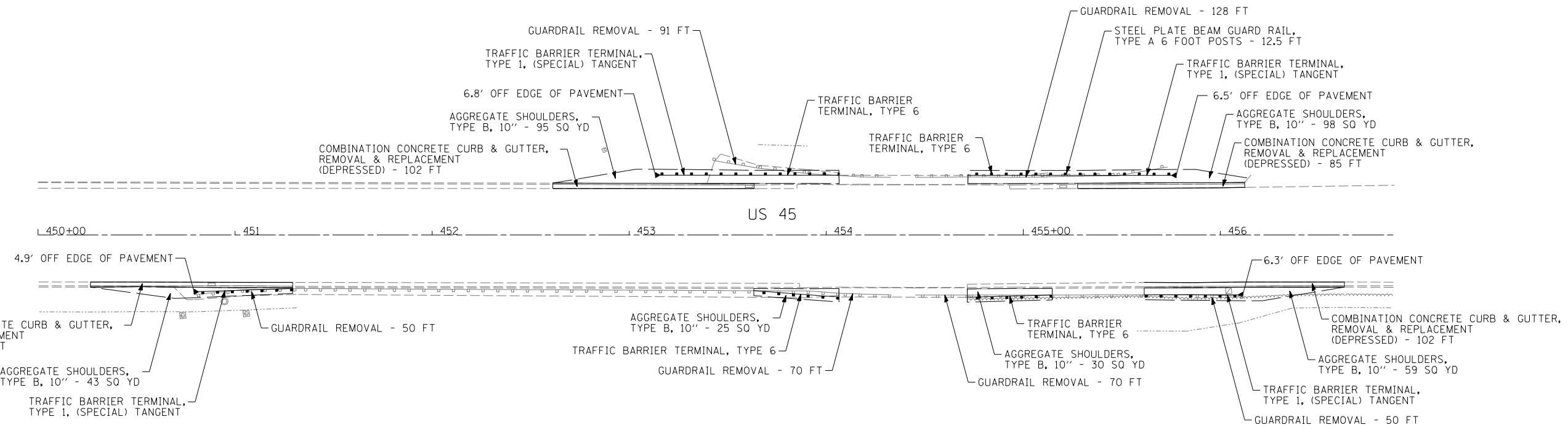
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•	2011-092-GRR	COOK	20	12
• VARIOUS ROUTES			CONTRACT NO. 60R20	
ILLINOIS FED. AID PROJECT				



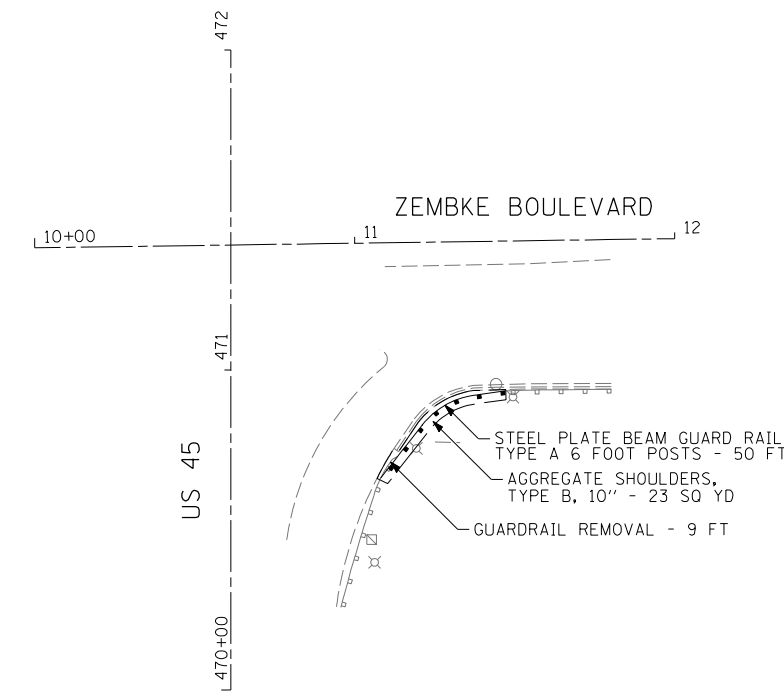
LOCATION 43

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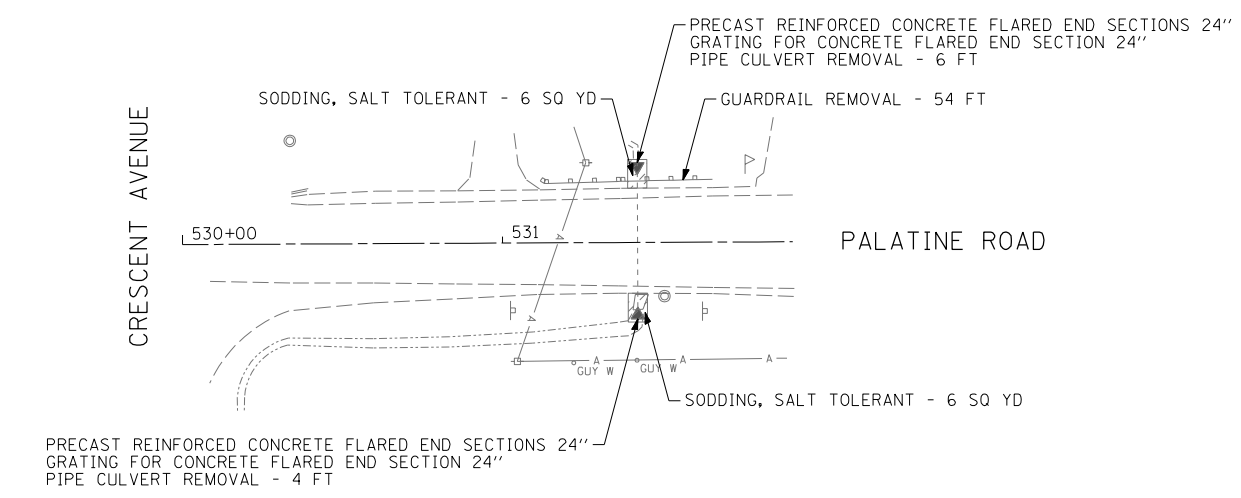
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		DRAWN - EAF	REVISED -		SCALE: 30	SHEET NO. 9 OF 12 SHEETS	STA.	TO STA.	2011-092-GRR	COOK	20	13
		CHECKED - RS	REVISED -						VARIOUS ROUTES			
		DATE - 02-07-2012	REVISED -									CONTRACT NO. 60R20
								ILLINOIS FED. AID PROJECT				



LOCATION 45-46



LOCATION 47



LOCATION 53
OUT OF ORDER

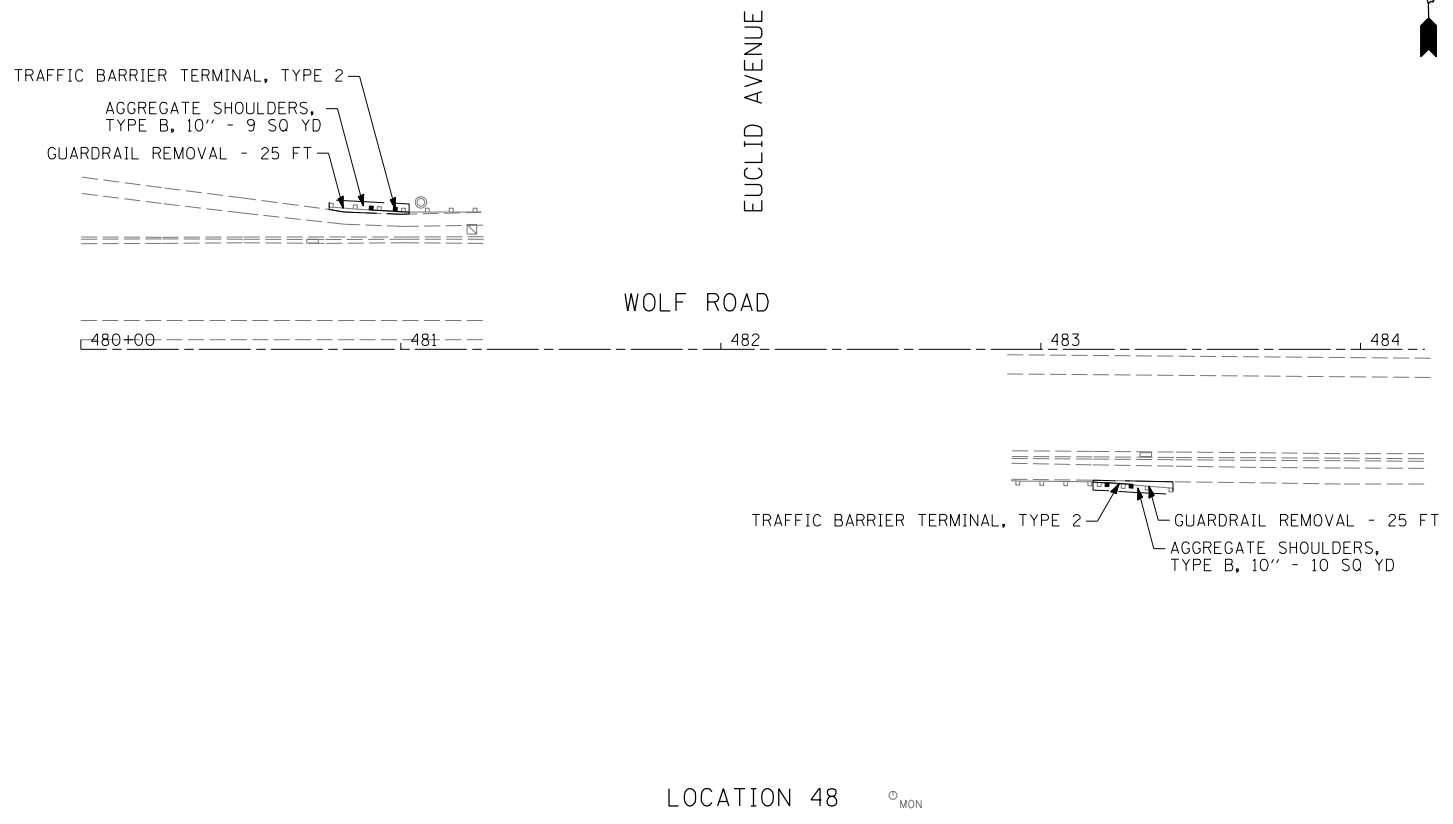
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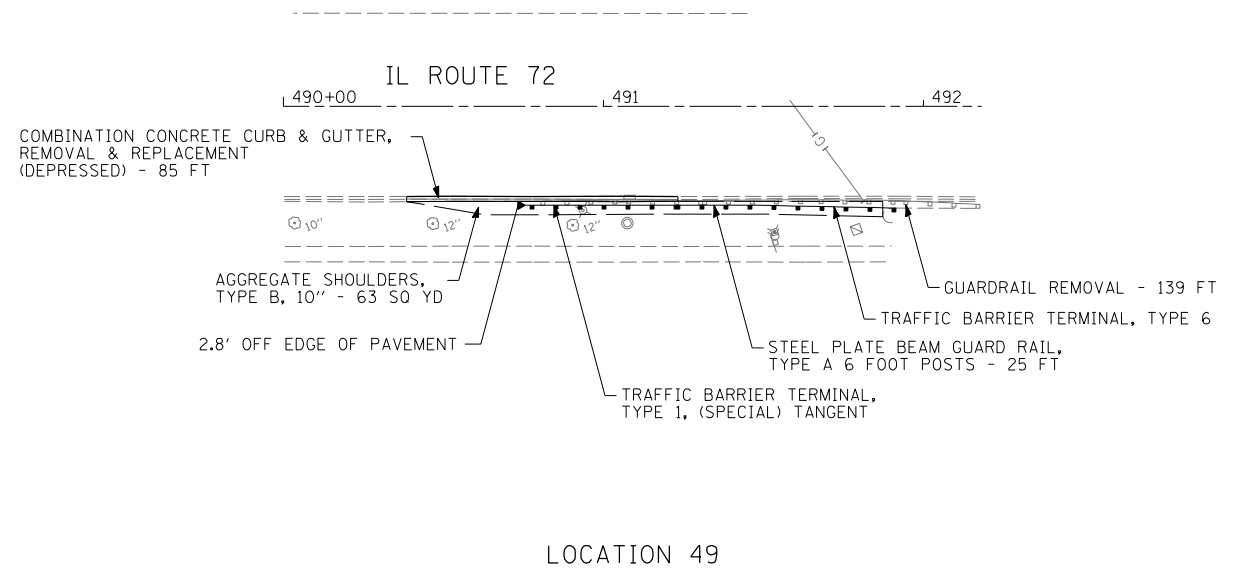
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GUARDRAIL IMPROVEMENTS - NORTHERN COOK COUNTY ROADWAY PLANS			
SCALE: 30	SHEET NO. 10 OF 12 SHEETS	STA.	TO STA.

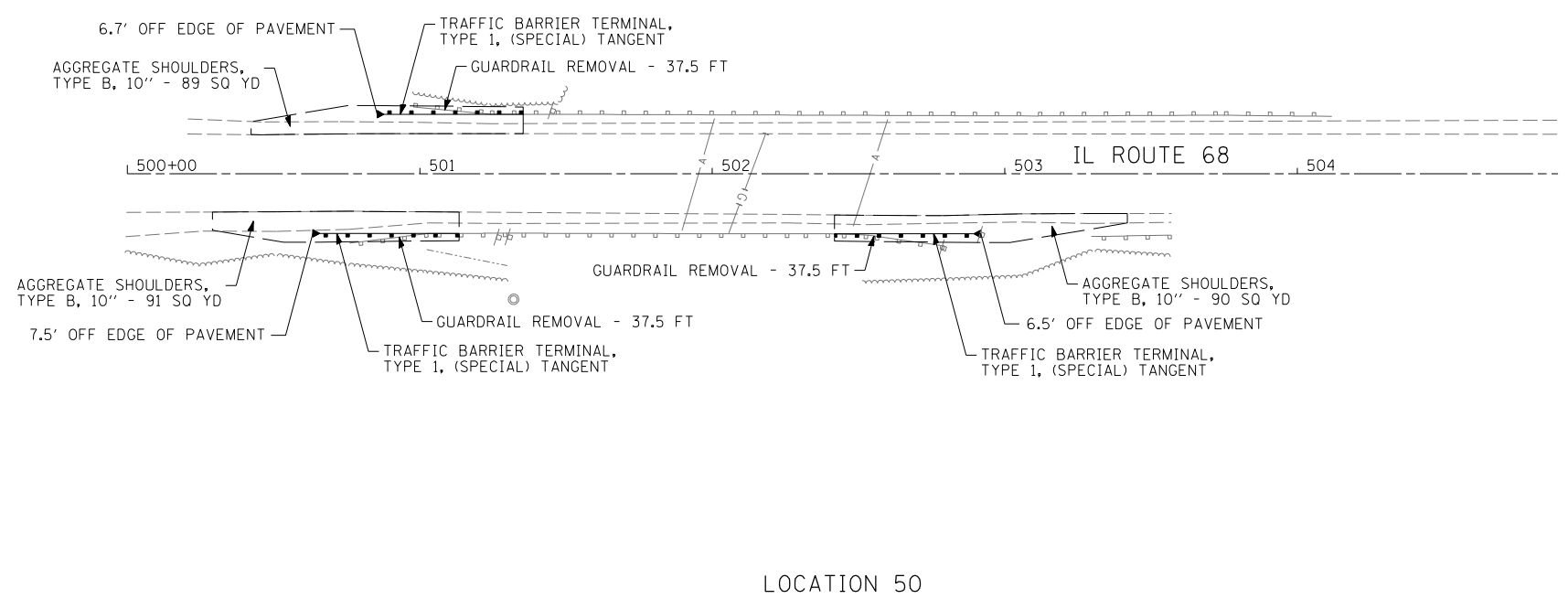
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•	2011-092-GRR	COOK	20	14
• VARIOUS ROUTES			CONTRACT NO. 60R20	
ILLINOIS FED. AID PROJECT				



LOCATION 48 



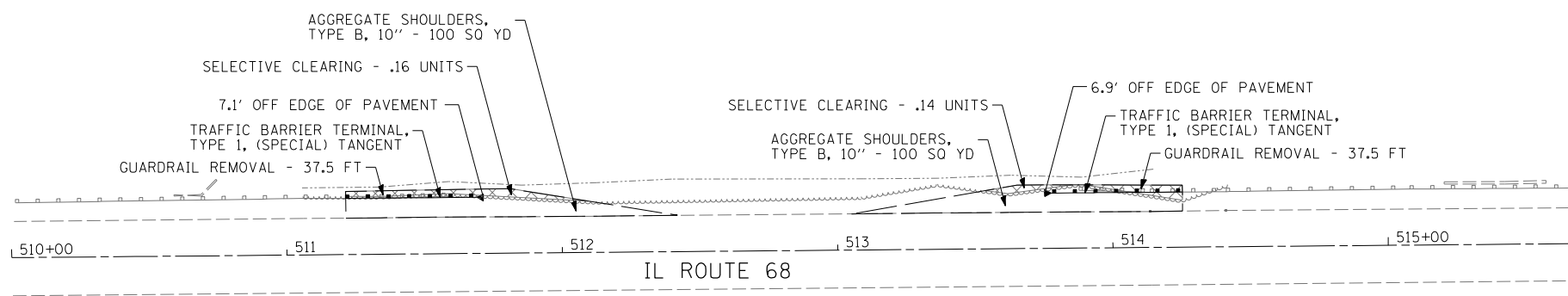
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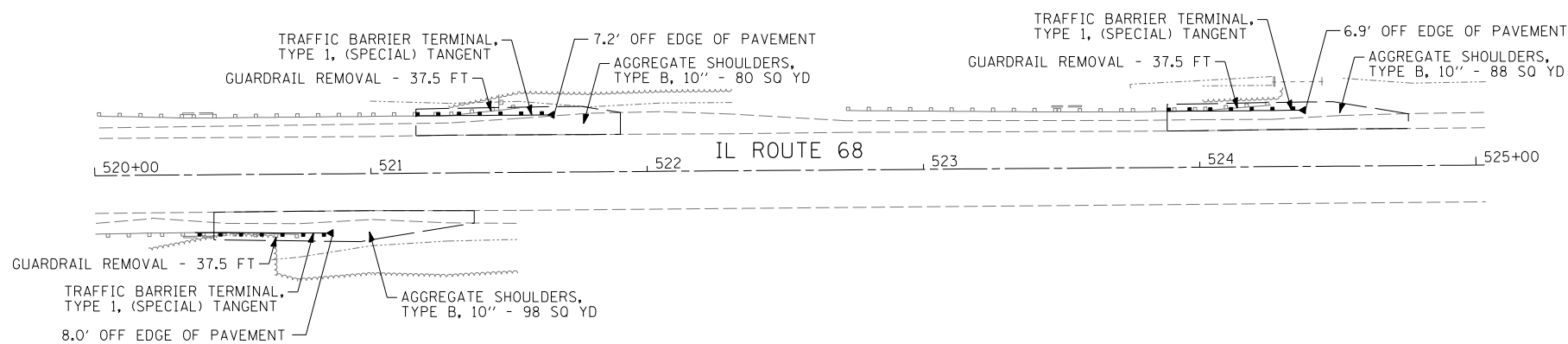
LOCATION 50

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		DATE - 02-07-2012	REVISED -						ILLINOIS FED. AID PROJECT			



LOCATION 51



LOCATION 52

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		DRAWN - EAF	REVISED -		SCALE: 30	SHEET NO. 12 OF 12 SHEETS	STA.	TO STA.	• 2011-092-GRR	COOK	20	16
		CHECKED - RS	REVISED -						• VARIOUS ROUTES	CONTRACT NO. 60R20		
		DATE - 02-07-2012	REVISED -						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.

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.

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.

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

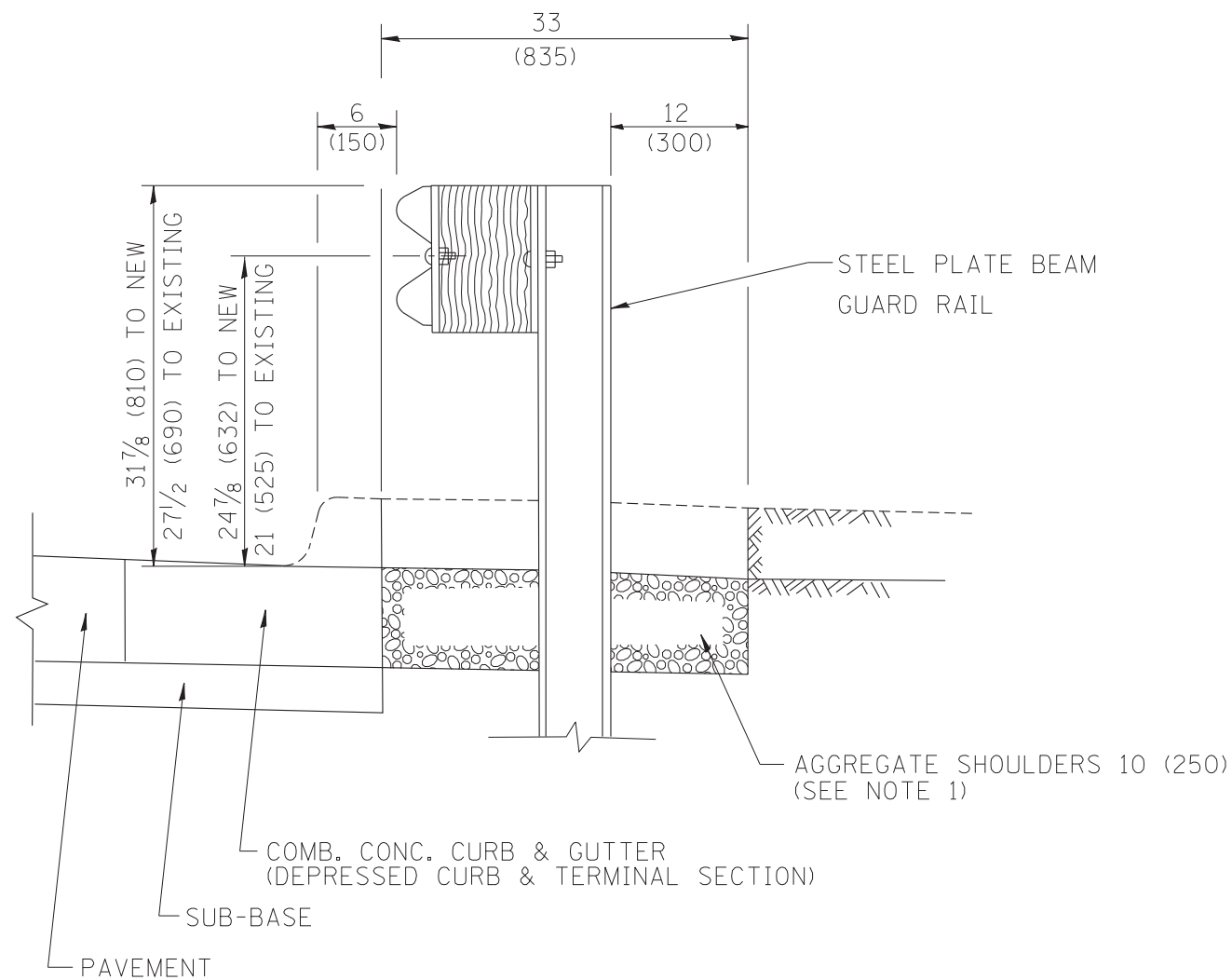
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	PLOT DATE = 12/15/2009	DATE - 03-11-94	REVISED - R. BORO 12-15-09

**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.

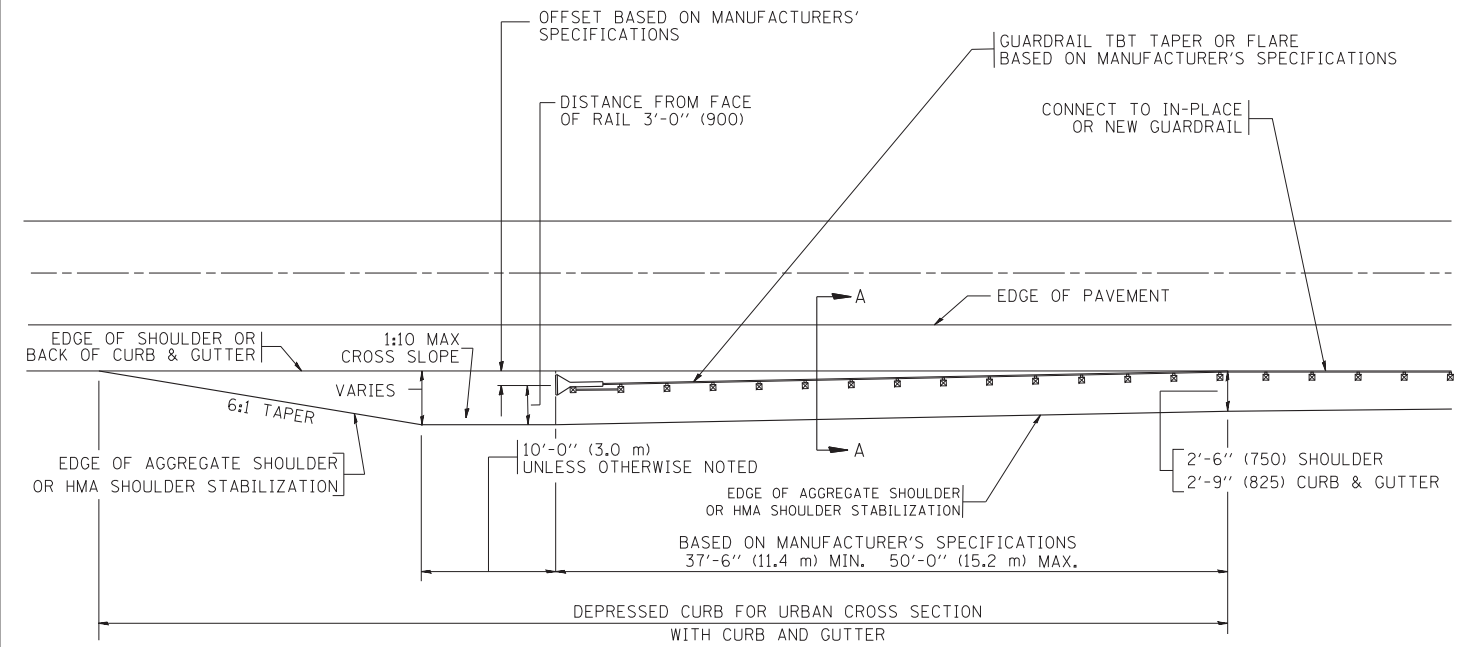
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*	2011-092-GRR	COOK	20	17
BD600-06 (BD-24)			CONTRACT NO. 60R20	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

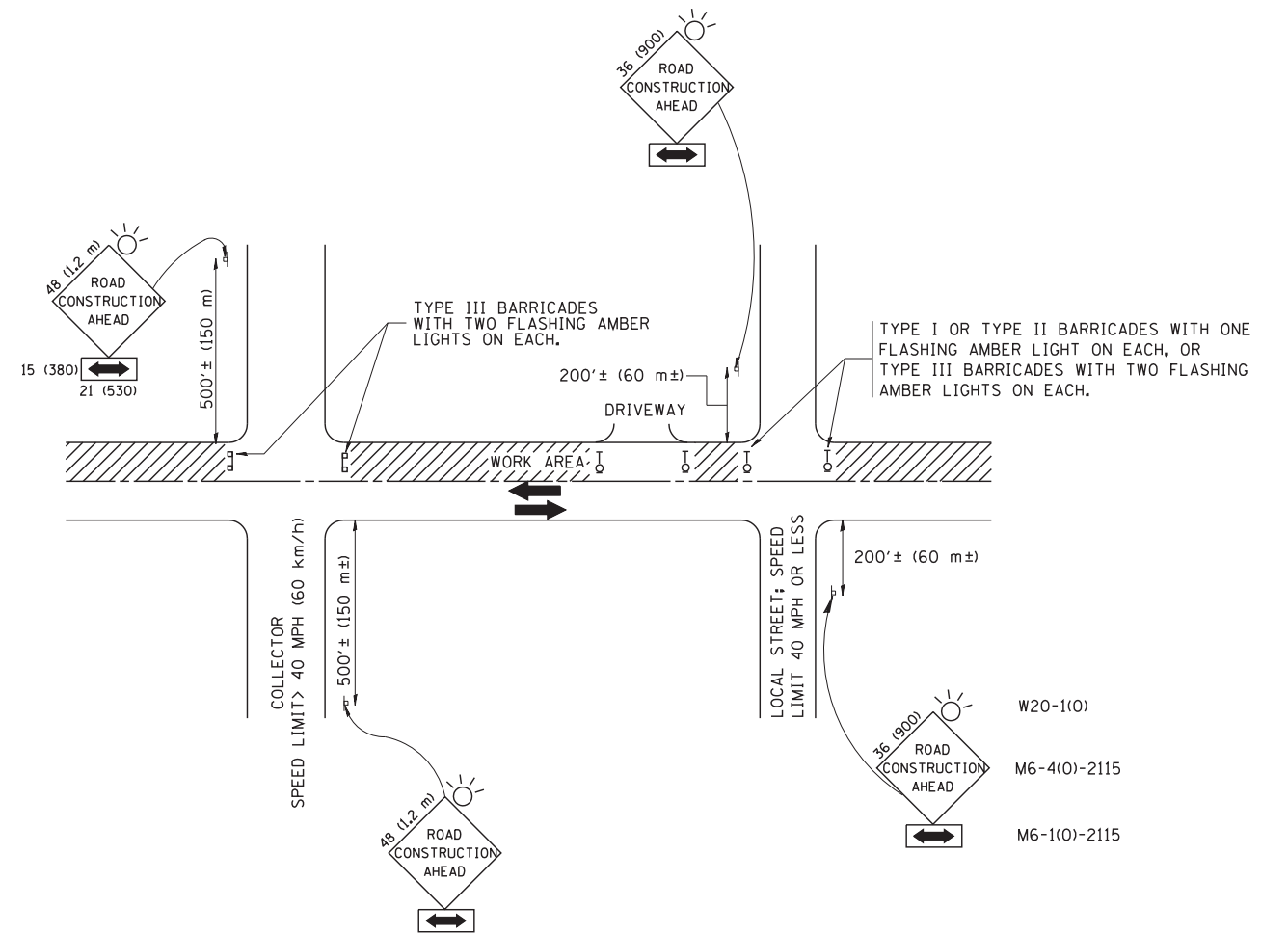
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	PLOT DATE = 9/21/2009	DATE - 09-22-90	REVISED - R. BORO 09-14-2009

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.
*	2011-092-GRR	COOK	20	18
BD600-10 (BD 34)			CONTRACT NO. 60R20	
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

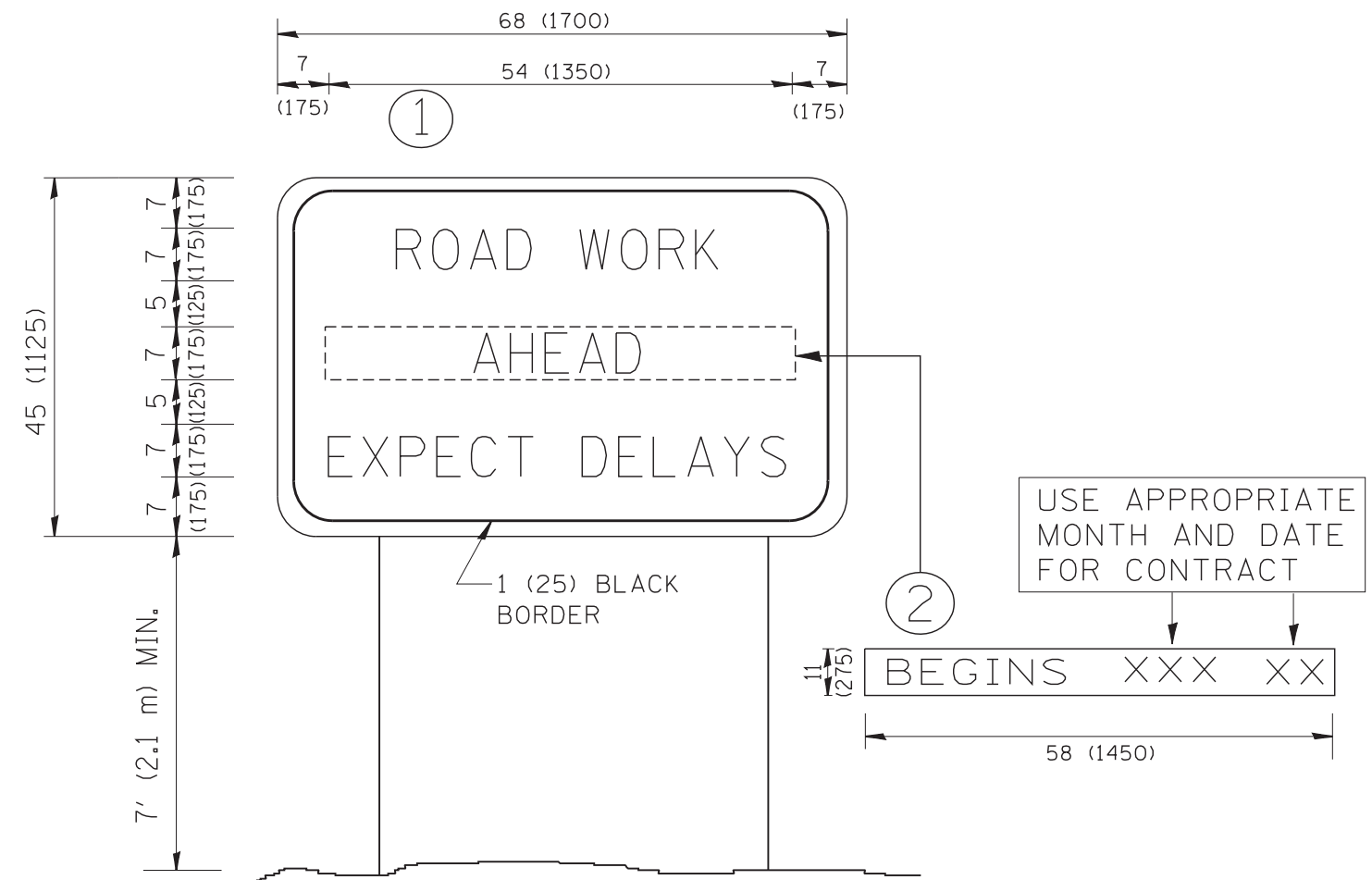
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	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2011-092-GRR	COOK	20	19
TC-10			CONTRACT NO. 60R20	
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.
*	2011-092-GRR	COOK	20	20
TC-22		CONTRACT NO. 60R20		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				