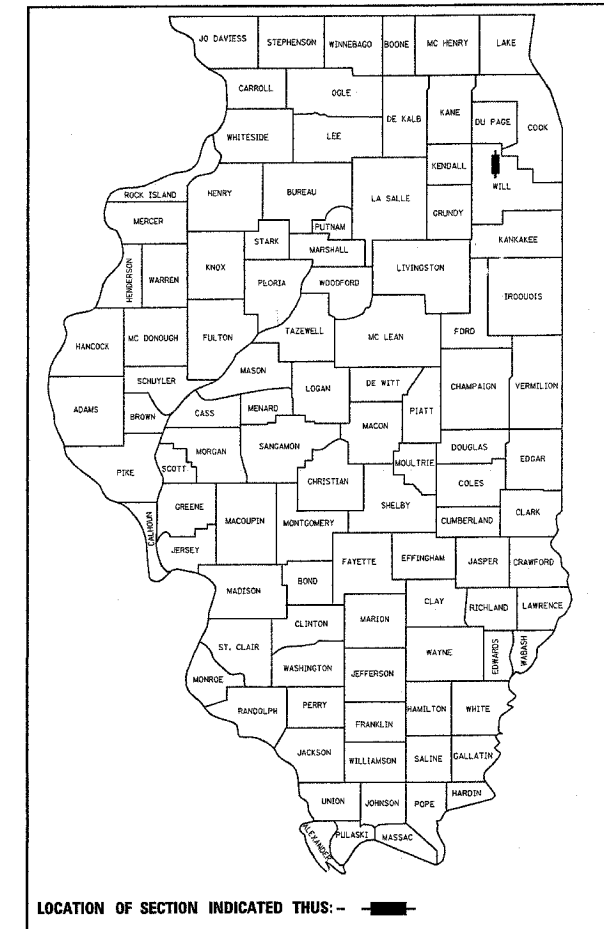


62885

FAI	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2004-119 GRR	WILL	15	1

D-91-075-05



LOCATION OF SECTION INDICATED THUS: - ■ -

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

FAI RTE. 55 : (INTERSTATE 55)  
 SOUTH OF IL 126 TO RENWICK ROAD  
 SECTION: 2004-119 GRR  
 GUARDRAIL INSTALLATION  
 WILL COUNTY  
 C-91-075-05  
 PROJECT: HS-055-6(215) 258

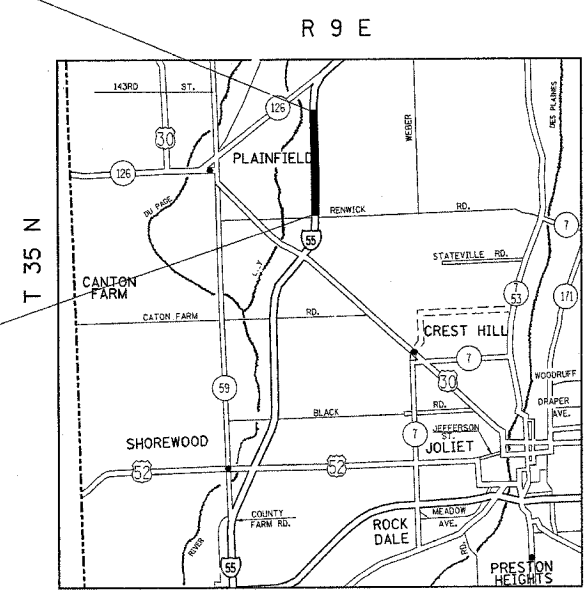
FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE IMPROVEMENT IS LOCATED IN THE CITY OF *ROMEDEVILLE* IN WILL COUNTY

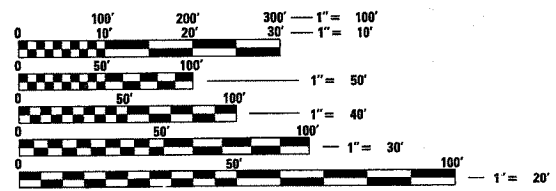
IMPROVEMENT ENDS  
STA. 600+30

STATION EQUATION  
STA. 1540+00 BK=  
STA. 540+00 AHD

IMPROVEMENT BEGINS  
STA. 1475+84



TROY TOWNSHIP



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

**TRAFFIC DATA**

2001 ADT = 69400  
 POSTED SPEED LIMIT= 65 MPH

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

SUBMITTED April 12, 20 05  
*Dina O'Keefe* DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

July 1, 20 05  
*Mike Nire* ENGINEER OF DESIGN AND ENVIRONMENT

July 1, 20 05  
*Victor Moders* DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

GROSS AND NET LENGTH OF IMPROVEMENT = 12,446 LINEAL FEET = 2.36 MILES

CONTRACT NO. 62885

DISTRICT ONE DESIGN PLAN PREPARATION ENGINEER:  
 KEN ENG/ISSAM RAYYAN (847) 705-4240

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2004-119 GRR	WILL	15	2
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT 62885

INDEX OF SHEETS

SHEET NO.	DESCRIPTION	STANDARD NO.
1	COVER SHEET	000001-04
2	INDEX OF SHEETS, STANDARDS, AND GENERAL NOTES	601101
3	SUMMARY OF QUANTITIES	630001-05
4	TYPICAL SECTIONS	635006-02
5-10	EXISTING AND PROPOSED ROADWAY PLAN	635011-01
11	PIPE UNDERDRAIN OUTLET EXTENSOIN DETAILS	701101-01
12	CONCRETE COLLAR AND INLET BOX DETAILS	701400-02
13-14	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS	701401-03
15	TRAFFIC CONTROL FOR FREEWAY SHOULDER CLOSURES PARTIAL RAMP CLOSURES	702001-05

LIST OF STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
601101	CONCRETE HEADWALL FOR PIPE DRAIN
630001-05	STEEL PLATE BEAM GUARDRAIL
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-01	REFLECTOR MARKER AND MOUNTING DETAILS
701101-01	OFF-RD OPERATIONS, MULTILANE LESS THAN 4.5 M (15') AWAY FOR SPEEDS ≥ 45 MPH
701400-02	APPROACH TO LANE CLOSURE, FREEWAY/ EXPRESSWAY
701401-03	LANE CLOSURE, FREEWAY/ EXPRESSWAY
702001-05	TRAFFIC CONTROL DEVICES

PLAN NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED.)
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- THE CONTRACTOR SHALL CALL STATE ELECTRICAL CONTRACTOR AT (773) 287-7600 TO LOCATE STATE OWNED FACILITIES.
- THE CONTRACTOR SHALL CONSTRUCT PROJECT IN THE DIRECTION OF TRAFFIC
- THE CONTRACTOR SHALL NOT STORE ANY MATERIALS IN THE GRASS MEDIANS.

INTERSTATE 55

INTERSTATE 55 STATIONS	EARTH EXCAVATION (CU. YD.)	UNSUITABLE MATERIAL (CU.YD.)	EXCAVATION USED AS EMBANKMENT (SHRINKAGE 15%) (CU.YD.)	EMBANKMENT (CU. YD.)	EARTH WORK BALANCE SURPLUS (+) OR SHORTAGE (-) (CU. YD.)
1475+84 TO 1487+00	72	307.2	61.2	159	-97.8
1487+00 TO 1502+00	90	416.7	76.5	296	-219.5
1502+00 TO 1517+00	79	416.7	67.2	297	-229.8
1517+00 TO 1532+00	92	416.7	78.2	245	-166.8
1532+00 TO 547+00	112	416.7	95.2	244	-148.8
547+00 TO 562+00	149	377.4	126.6	249	-122.4
562+00 TO 577+00	110	416.7	93.5	258	-164.5
577+00 TO 592+00	89	416.7	75.6	421	-345.4
592+00 TO 600+30	51	222.2	43.4	265	-221.6
TOTAL	844	3407	717.4	2434	-1716.6

MIXTURE REQUIREMENTS

ITEM	AC TYPE	VOID	RAP %
BITUMINOUS SHOULDER, SUPERPAVE, 10"	PG 58-22	2% @ 30 GYR	50

NOTE:

A THICKNESS OF 6 INCHES OF TOPSOIL STRIPPING SHALL BE USED FOR REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<b>INTERSTATE 55 INDEX OF SHEETS LIST OF STATE STANDARDS PLAN NOTES</b>

SCALE: VERT. : NONE  
HORIZ. : NONE  
DATE :  
DRAWN BY: RK  
CHECKED BY: IR

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2004-119 GRR	WILL	15	3
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	

CONTRACT NO. 62885

SUMMARY OF QUANTITIES			90% FED. 10% STATE	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	URBAN WILL CO. I-55 STATE 100% SFTY-3J				
X0324589	PIPE UNDERDRAIN OUTLET EXTENSION FOR 4" PIPE	EACH	18	18				
20200100	EARTH EXCAVATION	CU YD	844	844				
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	3407	3407				
20400800	FURNISHED EXCAVATION	CU YD	1716.6	1716.6				
* 21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	12947	12947				
* 25000210	SEEDING, CLASS 2A	ACRE	2.7	2.7				
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	243	243				
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	243	243				
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	243	243				
* 25100630	EROSION CONTROL BLANKET	SQ YD	12947	12947				
48101100	AGGREGATE SHOULDERS, TYPE A 12"	SQ YD	8514	8514				
48202800	BITUMINOUS SHOULDERS SUPERPAVE 10"	SQ YD	55	55				
54248515	CONCRETE COLLAR	EACH	36	36				
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	2	2				
63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	290	290				
63000145	STEEL PLATE BEAM GUARD RAIL, TYPE D (SPECIAL)	FOOT	11927	11927				
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1	1				
63304395	TRAFFIC BARRIER TERMINAL REMOVAL, TYPE 2	EACH	1	1				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4				
67100100	MOBILIZATION	L SUM	1	1				
78200405	GUARDRAIL MARKERS	EACH	35	35				
X0301508	REMOVE AND REINSTALL CONCRETE HEADWALL FOR PIPE DRAIN	EACH	18	18				
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1				
X7015000	CHANGEABLE MESSAGE SIGN	CAL MO	3	3				
Δ Z0030030	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1	1				

SUMMARY OF QUANTITIES			90% FED. 10% STATE	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	URBAN WILL CO. I-55 STATE 100% SFTY-3J				
Δ Z0030330	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 3	EACH	1	1				
X6330105	TRAFFIC BARRIER TERMINAL REMOVAL, TYPE 1 (SPECIAL)	EACH	1	1				

Δ SFTY-3N  
\* SPECIALTY ITEMS

REVISIONS	
NAME	DATE

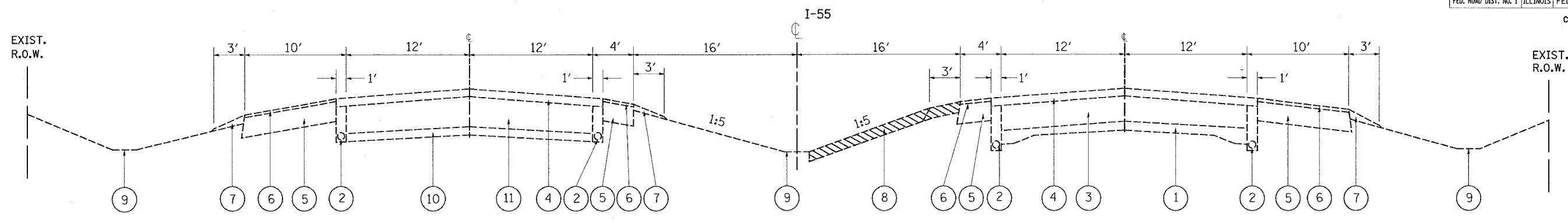
ILLINOIS DEPARTMENT OF TRANSPORTATION  
SUMMARY OF QUANTITIES  
FAI 55 (INTERSTATE 55)  
SOUTH OF IL 126 TO RENWICK

PLOT DATE: 5/26/2005

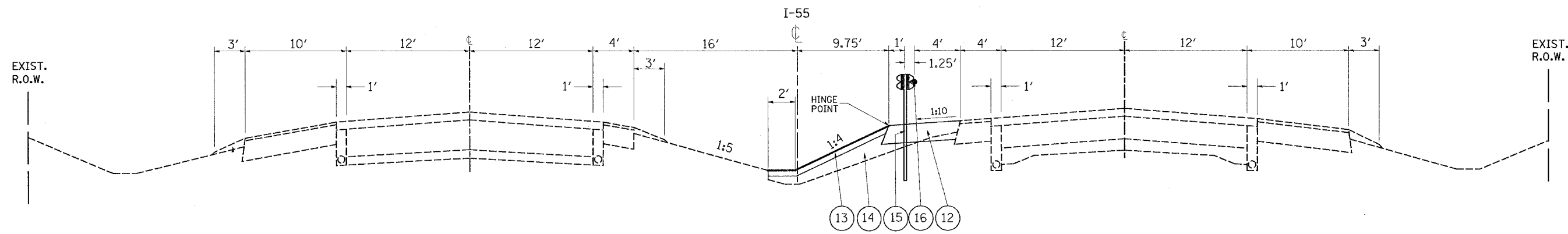
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5/26/2005

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2004-119 GRR	WILL	15	4
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

CONTRACT 62885



IL-55  
EXISTING TYPICAL CROSS SECTION  
STA 1475+84 TO STA 600+30



IL-55  
PROPOSED TYPICAL CROSS SECTION  
STA 1475+84 TO STA 600+30

**LEGEND**

- |  |   |
|--|---|
| ① EXISTING P.C.C. BASE COURSE 9" - 7" - 9"   | ⑩ EXISTING SUB BASE GRANULAR MATERIAL, 4"   |
| ② EXISTING PIPE UNDERDRAIN, 4"   | ⑪ EXISTING P.C.C. PAVEMENT, 10"   |
| ③ EXISTING BIT. CONC. BINDER COURSE, 16"   | ⑫ PROPOSED AGGREGATE SHOULDERS, TYPE A, 12"   |
| ④ EXISTING BIT. CONC. SURFACE COURSE, ±5"  | ⑬ PROPOSED -TOPSOIL FURNISH AND PLACE, 4'<br>-SEEDING, CLASS 2A<br>-EROSION CONTROL BLANKET |
| ⑤ EXISTING BITUMINOUS SHOULDER, 12½"   | ⑭ PROPOSED FURNISHED EXCAVATION   |
| ⑥ EXISTING BITUMINOUS CONC. SURFACE COURSE, 1½"  | ⑮ PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE D (SPECIAL)                                     |
| ⑦ EXISTING AGGREGATE SHOULDER, TYPE B (6")   | ⑯ PROPOSED GUARDRAIL MARKERS  |
| ⑧ EXISTING AGGREGATE SHOULDER, TYPE B (6") & TOP SOIL (6") TO BE REMOVED (PAID AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL) |   |
| ⑨ EXISTING GROUND DITCH  |   |

REVISIONS	
NAME	DATE

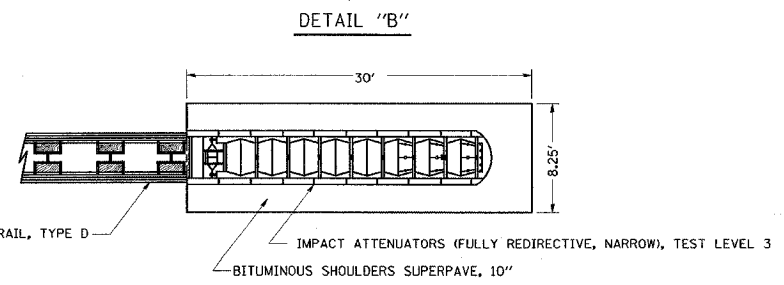
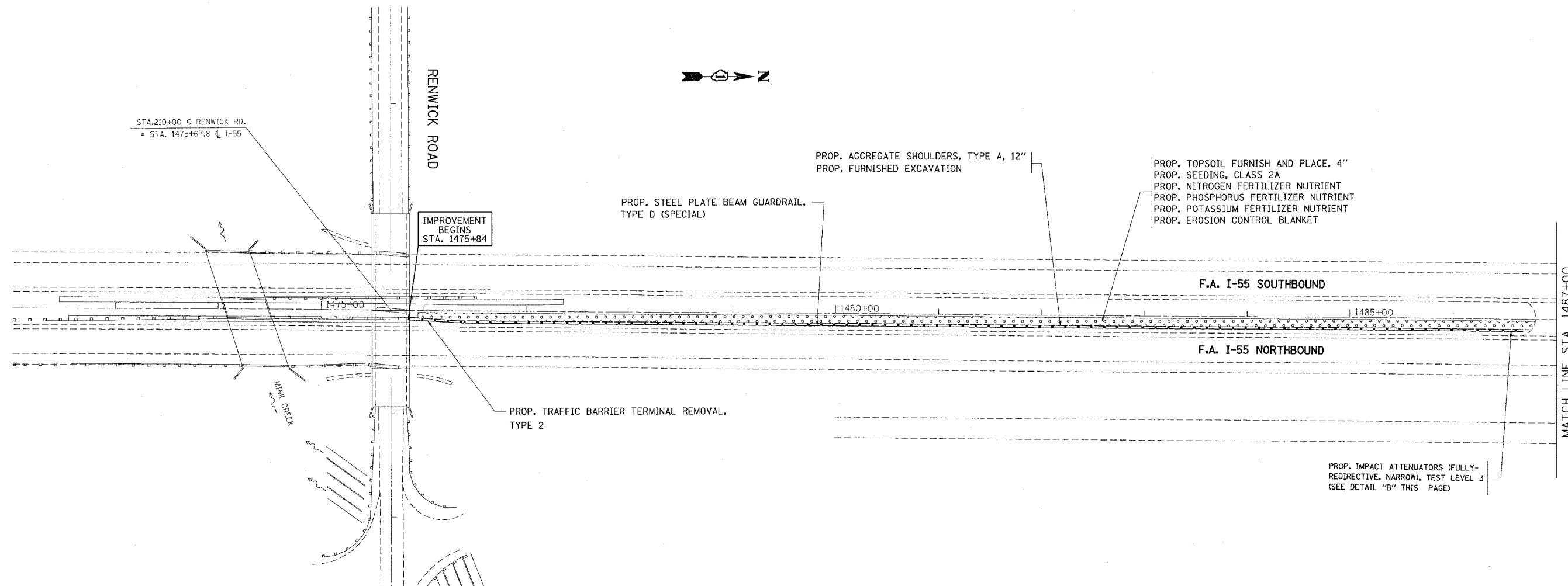
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**INTERSTATE 55**  
**EXISTING AND PROPOSED TYPICAL SECTION**

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5/25/2005  
DRAWN BY: RK  
CHECKED BY: IR

13:07:14 05/25/2005

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2004-119 GRR	WILL	15	5
STA. 1475+94		TO STA. 1487+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62885



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 FAI 55/ I-55  
 S/O IL 126 TO RENWICK ROAD  
 EXISTING/ PROPOSED ROADWAY

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_

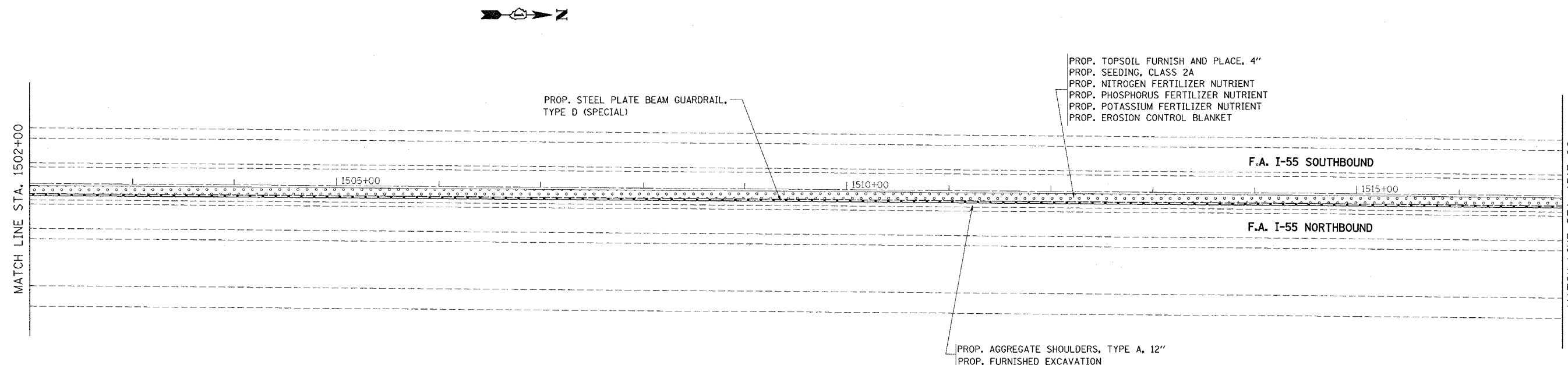
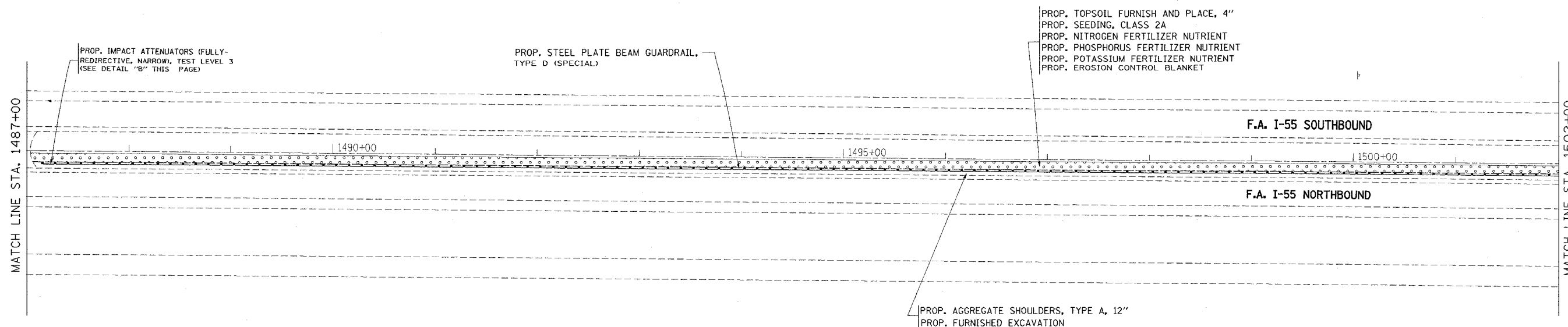
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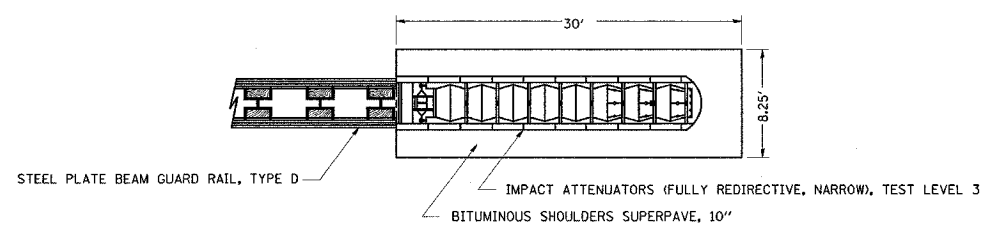
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2004-119 GRR	WILL	15	6
STA. 1487+00		TO STA. 1517+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62885



DETAIL "B"



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 FAI 55/ I-55  
 S/O IL 126 TO RENWICK ROAD  
 EXISTING/ PROPOSED ROADWAY

SCALE: VERT.  
 HORIZ.  
 DATE

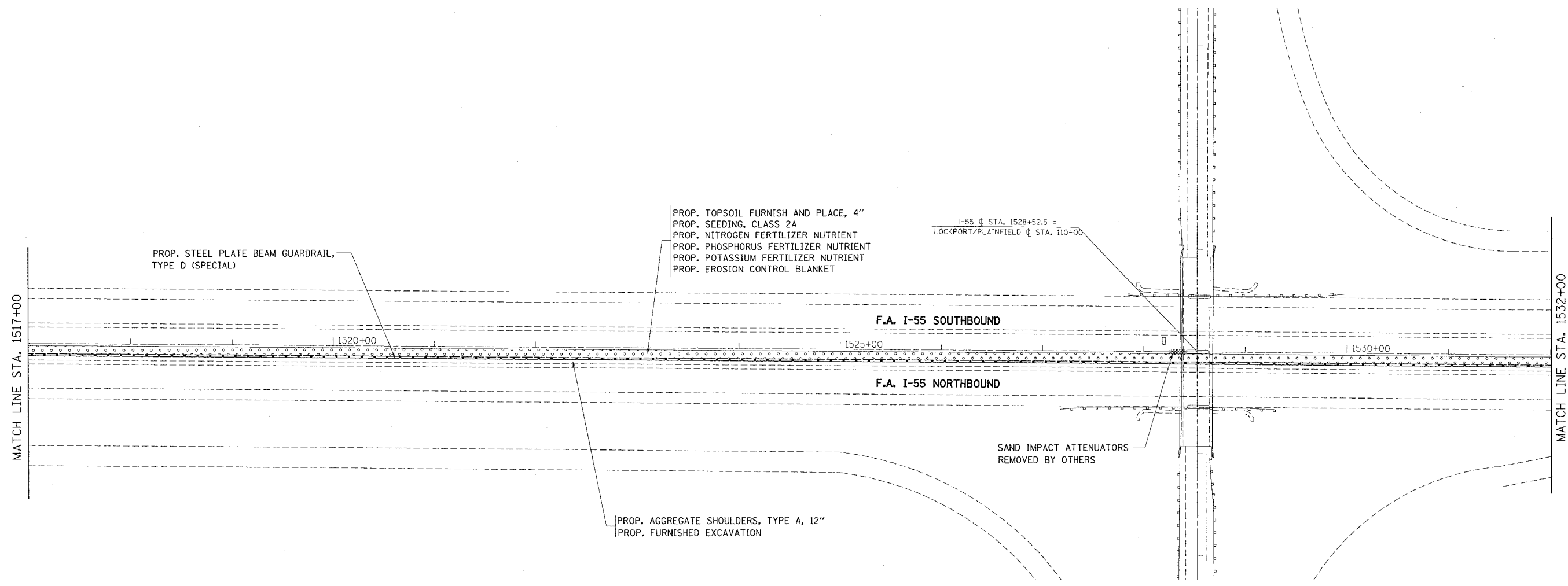
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55	2004-119 GRR	WILL	15	7
STA. 1487+00		TO STA. 1517+00		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

CONTRACT NO. 62885



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REVISIONS	
NAME	DATE

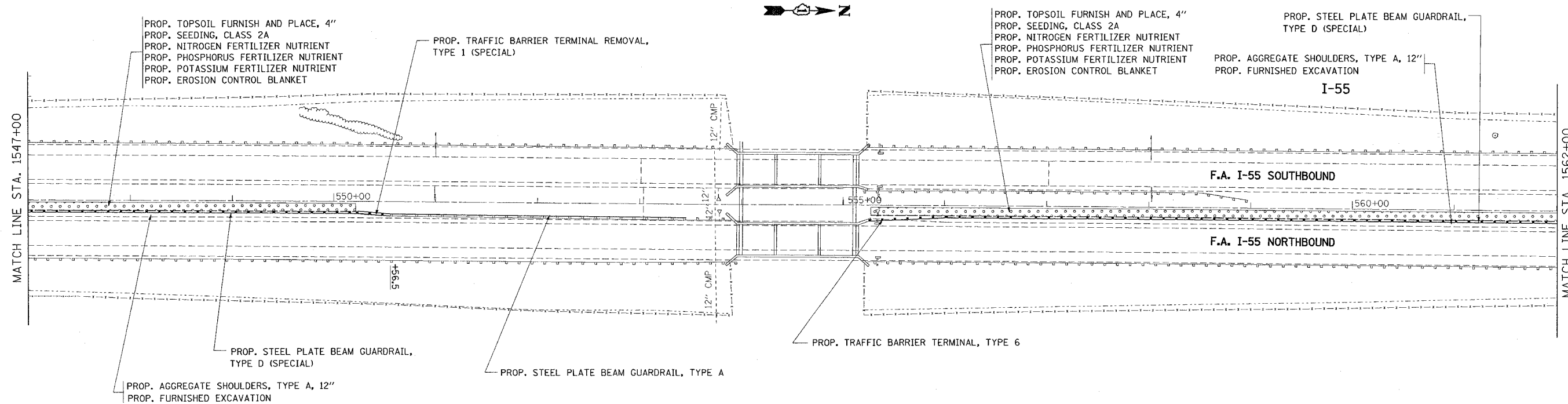
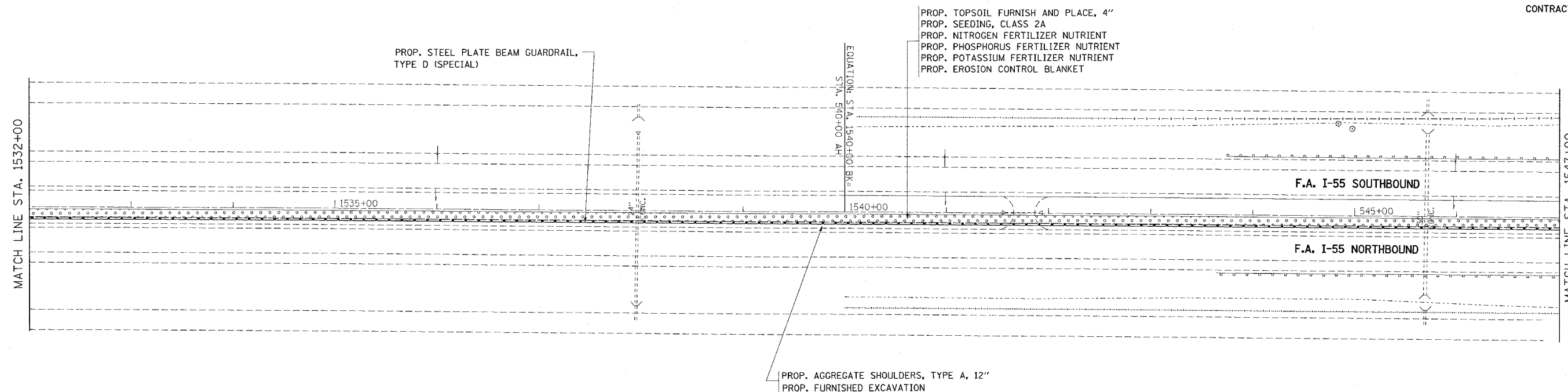
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 FAI 55/ I-55  
 S/O IL 126 TO RENWICK ROAD  
 EXISTING/ PROPOSED ROADWAY

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_

DRAWN BY: DN  
 CHECKED BY: IR

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2004-119 GRR	WILL	15	8
STA. 1532+00		TO STA. 1562+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 62885



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		FAI 55/ I-55 S/O IL 126 TO RENWICK ROAD EXISTING/ PROPOSED ROADWAY

SCALE: VERT. \_\_\_\_\_  
 HORIZ. \_\_\_\_\_  
 DATE \_\_\_\_\_

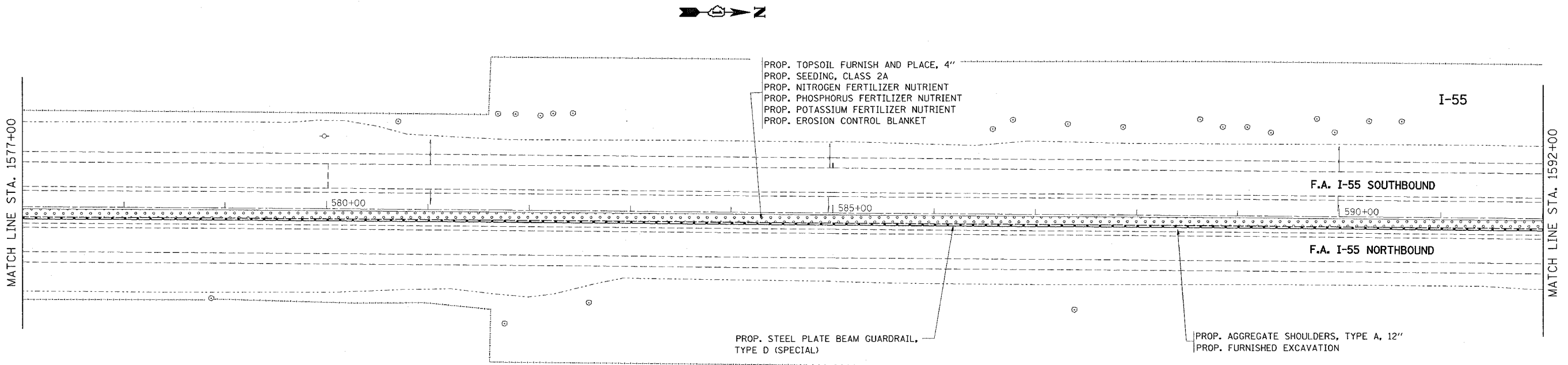
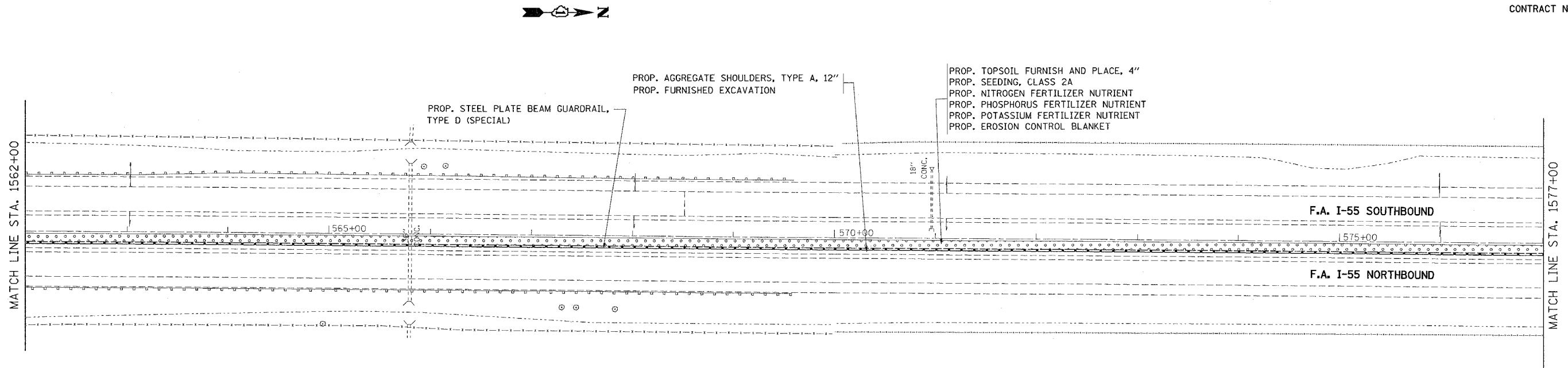
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2004-119 GRR	WILL	15	9
STA. 1562+00		TO STA. 1592+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62885



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

FAI 55/ I-55  
S/O IL 126 TO RENWICK ROAD  
EXISTING/ PROPOSED ROADWAY

SCALE: VERT. \_\_\_\_\_  
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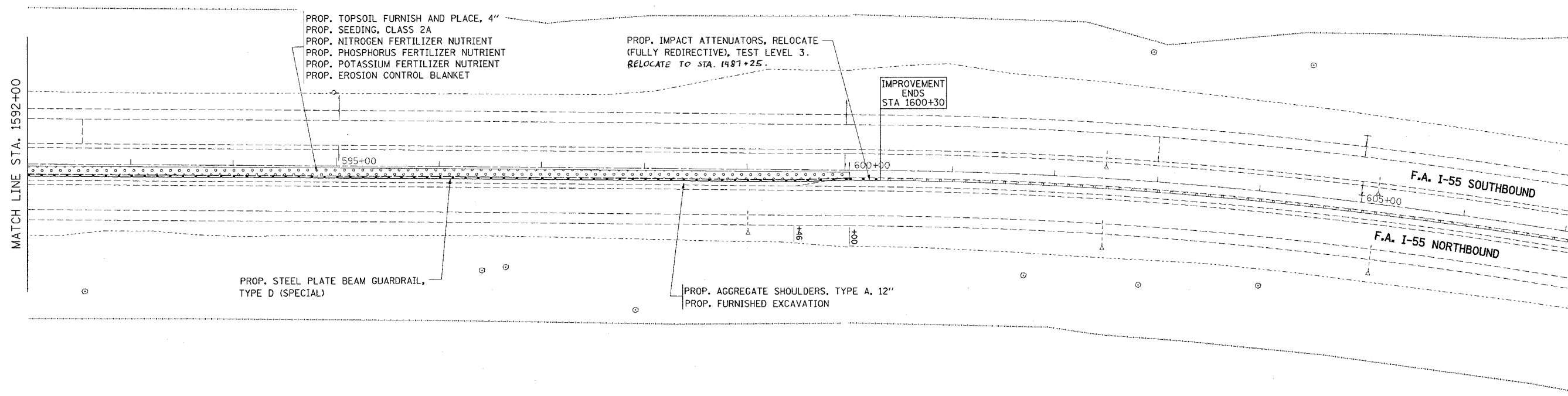
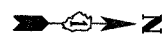
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2004-119 GRR	WILL	15	10
STA. 1592+00 TO STA. 1600+30				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62885



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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

FAI 55/ I-55

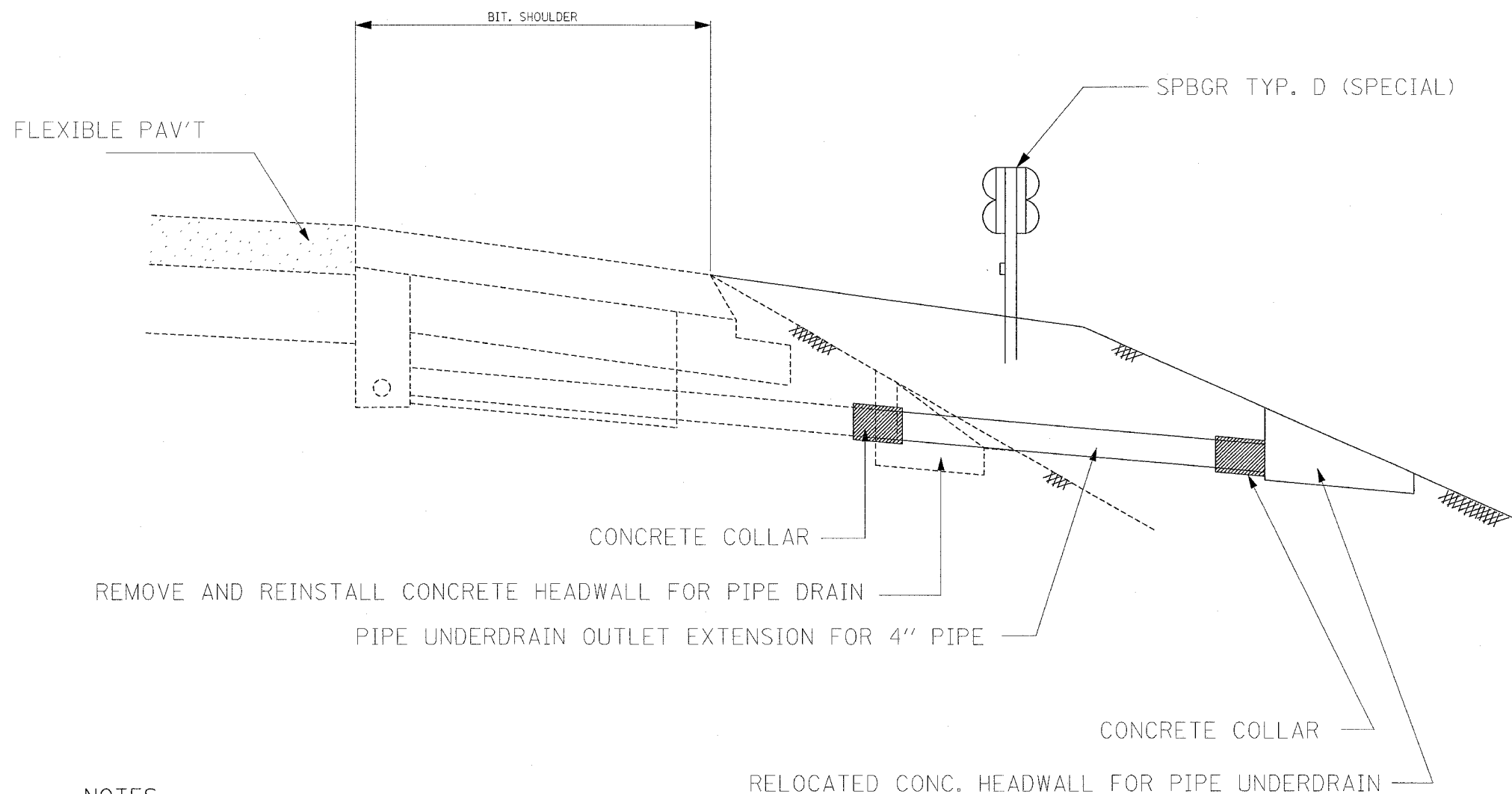
S/O IL 126 TO RENWICK ROAD

EXISTING/ PROPOSED ROADWAY

SCALE: VERT.      DRAWN BY: DN  
 HORIZ.              CHECKED BY: IR  
 DATE

P. A. L. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2004-119 GRR	WILL	15	11
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT 62885



**NOTES:**

PIPE UNDERDRAIN TO BE FIELD LOCATED BY THE CONTRACTOR AND AS DIRECTED BY THE ENGINEER

REVISIONS	
NAME	DATE

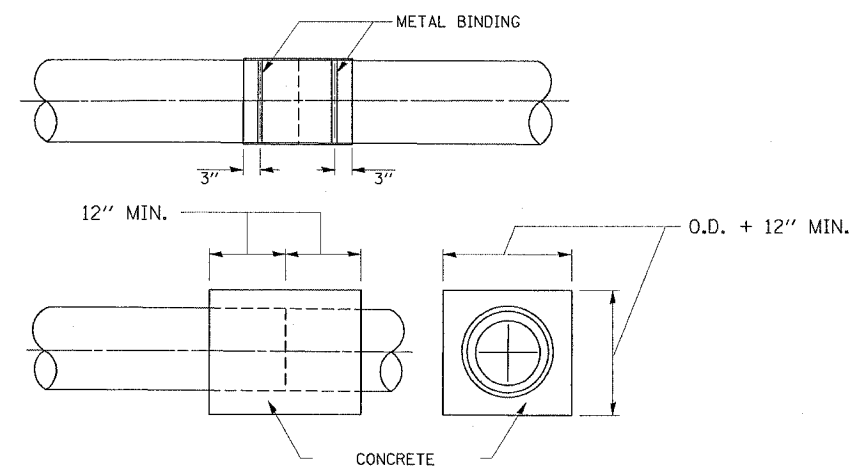
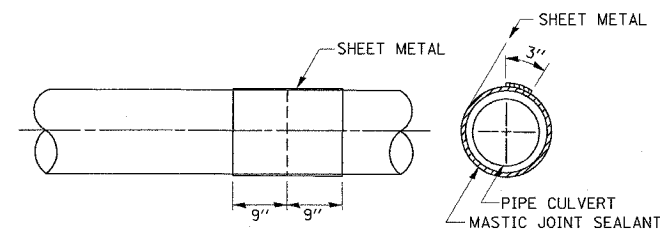
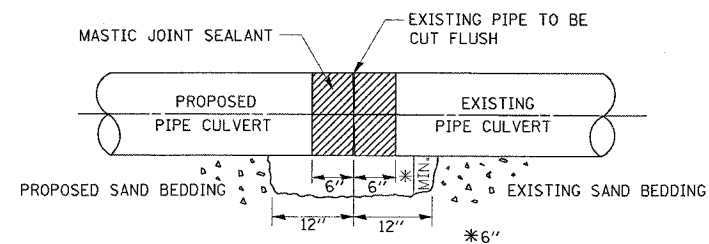
ILLINOIS DEPARTMENT OF TRANSPORTATION

**PIPE UNDERDRAIN OUTLET  
EXTENSION DETAILS**

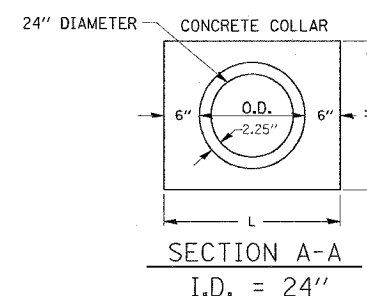
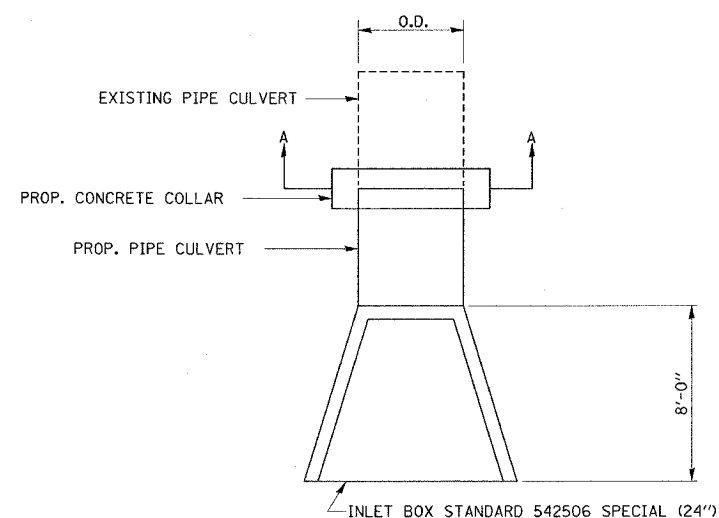
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F. A. L. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2004-119 GRR	WILL	15	12
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT 62885				



CONCRETE COLLAR



**NOTES**

\*\* PIPE UNDERDRAIN/PIPE CULVERT TO BE FIELD LOCATED BY THE CONTRACTOR AND AS DIRECTED BY THE ENGINEER

**GENERAL**

- CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE PIPE CULVERT. ALL DEBRIS WHICH ENTERS THE PIPE CULVERT MUST BE REMOVED. THE PIPE CULVERT MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.
- CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

**BASIS OF PAYMENT**

THE WORK FOR CONNECTING A PROPOSED PIPE CULVERT TO AN EXISTING PIPE CULVERT AS SHOWN IN THIS DETAIL SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH AS CONCRETE COLLAR WHICH PRICE SHALL INCLUDE ALL EQUIPMENT, LABOR, AND MATERIALS REQUIRED TO CONSTRUCT THE PROPOSED CONCRETE COLLAR.

**CONSTRUCTION SEQUENCE:**

- CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
- APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" OF EACH PIPE.
- BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 6" DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
- CUT A PIECE OF SHEET METAL GAGE NO. 0,0418 18" WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" LONG.
- WRAP THE SHEET METAL AROUND THE PIPES, 9" ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
- LAP THE SHEET METAL AT LEAST 3" AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
- PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
- WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OZZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
- PLACE CLASS SI CONCRETE AROUND THE JOINT.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**CONCRETE COLLAR AND INLET BOX DETAILS**

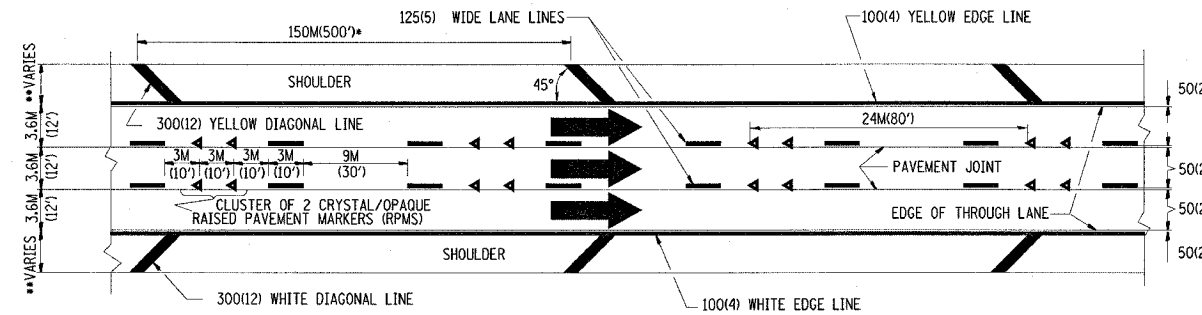
SCALE: NONE  
DATE 4/18/2005

DRAWN BY DN  
CHECKED BY IR

F.A.D. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2004-1196R	WILL	15	13
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT No. 62885

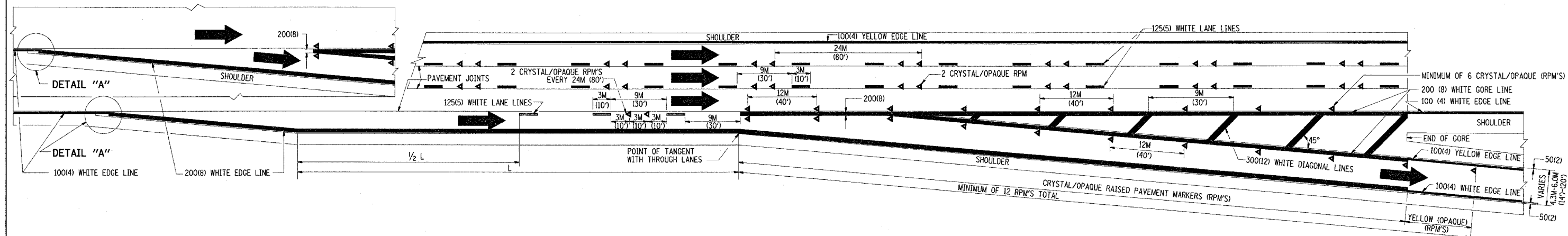
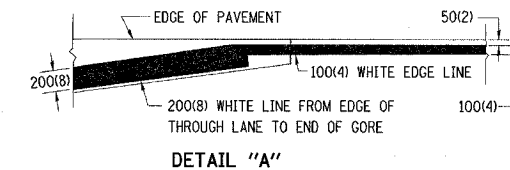
- THE DIAGONAL LINES SHALL BE SPACED AT 12M (40') C-C ACROSS ALL STRUCTURES WHICH ARE 150M (500') OR LESS IN LENGTH
- THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 1.8M (6') OR LESS IN WIDTH



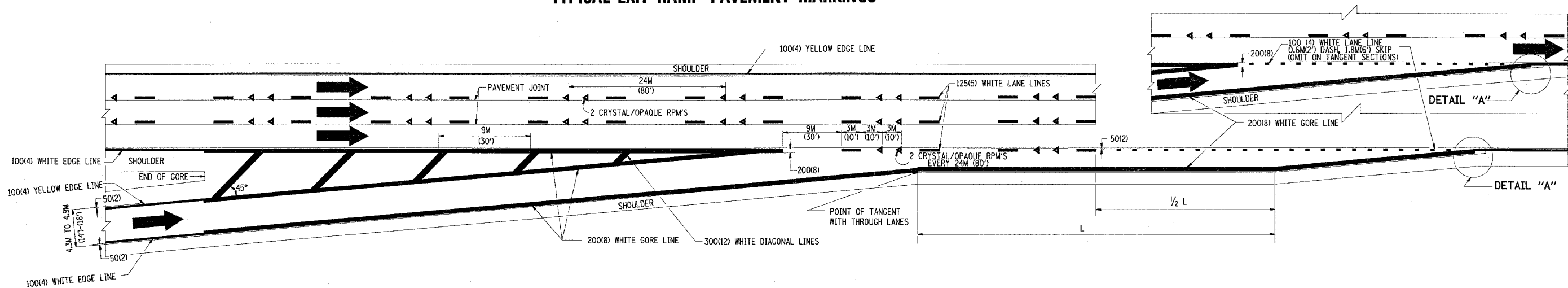
TYPICAL EDGE LINES & LANE LINES

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 PAVEMENT MARKING LINE SHALL BE USED FOR ALL LANE LINES
3. PREFORMED PLASTIC PAVEMENT MARKING LINE SHALL BE USED ON PCC PAVEMENT.



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

ILLINOIS DEPARTMENT OF TRANSPORTATION

**MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS**

SCALE: NONE  
DATE: 4/18/2005

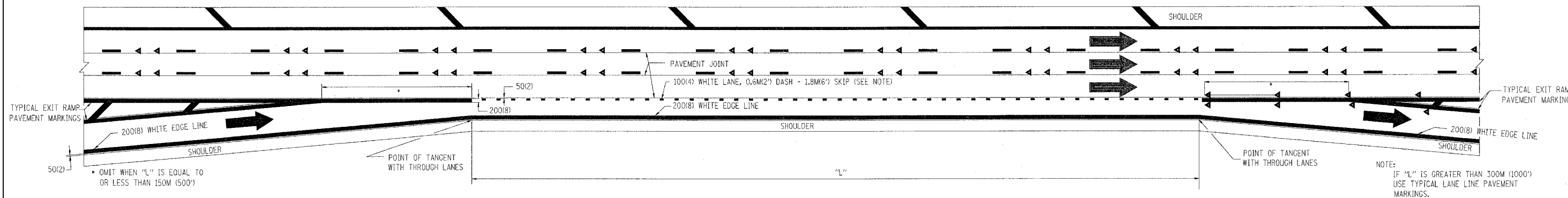
DRAWN BY C.A.D.D.  
CHECKED BY  
TC12 SHEET 1 OF 2  
REVISION DATE: 01/01/96

4/18/2005 04:18/2005

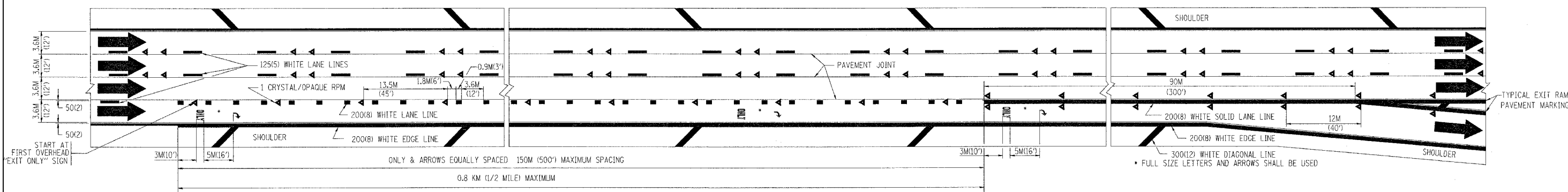
4/18/2005  
w:\d\stata\vol2.dgn  
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F. A. I. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2004-1196RR	WILL	15	14
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

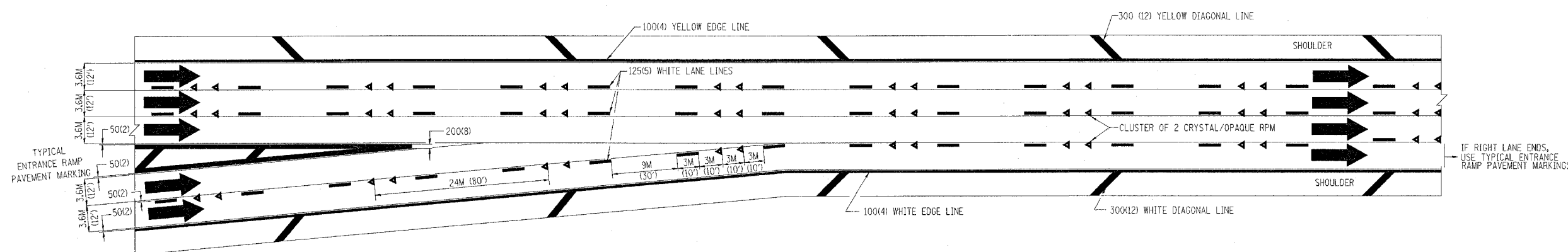
CONTRACT No. 62885



TYPICAL ENTRANCE/EXIT RAMP COMBINATION PAVEMENT MARKINGS



TYPICAL EXIT ONLY LANE PAVEMENT MARKINGS



TYPICAL TWO LANE ENTRANCE RAMP PAVEMENT MARKINGS

REVISIONS	
NAME	DATE
DWS	1/90
DWS	5/91

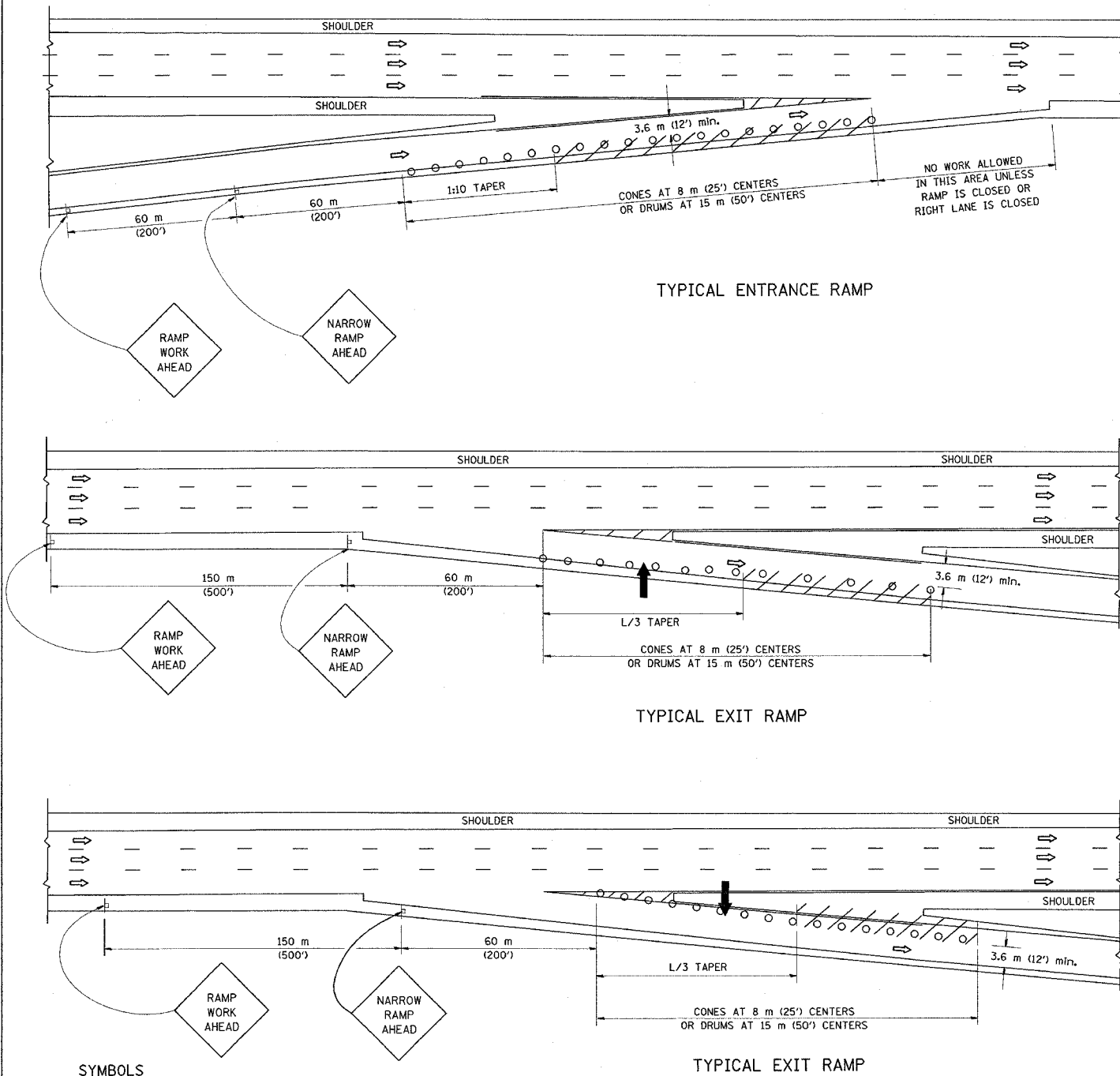
ILLINOIS DEPARTMENT OF TRANSPORTATION

**MULTI-LANE FREEWAY  
PAVEMENT MARKING  
DETAILS**

SCALE: NONE  
DATE: 4/18/2005

DRAWN BY C.A.D.D.  
CHECKED BY  
TC12 SHEET 2 OF 2  
REVISION DATE: 01/01/96

### PARTIAL RAMP CLOSURE DETAILS



**SYMBOLS**

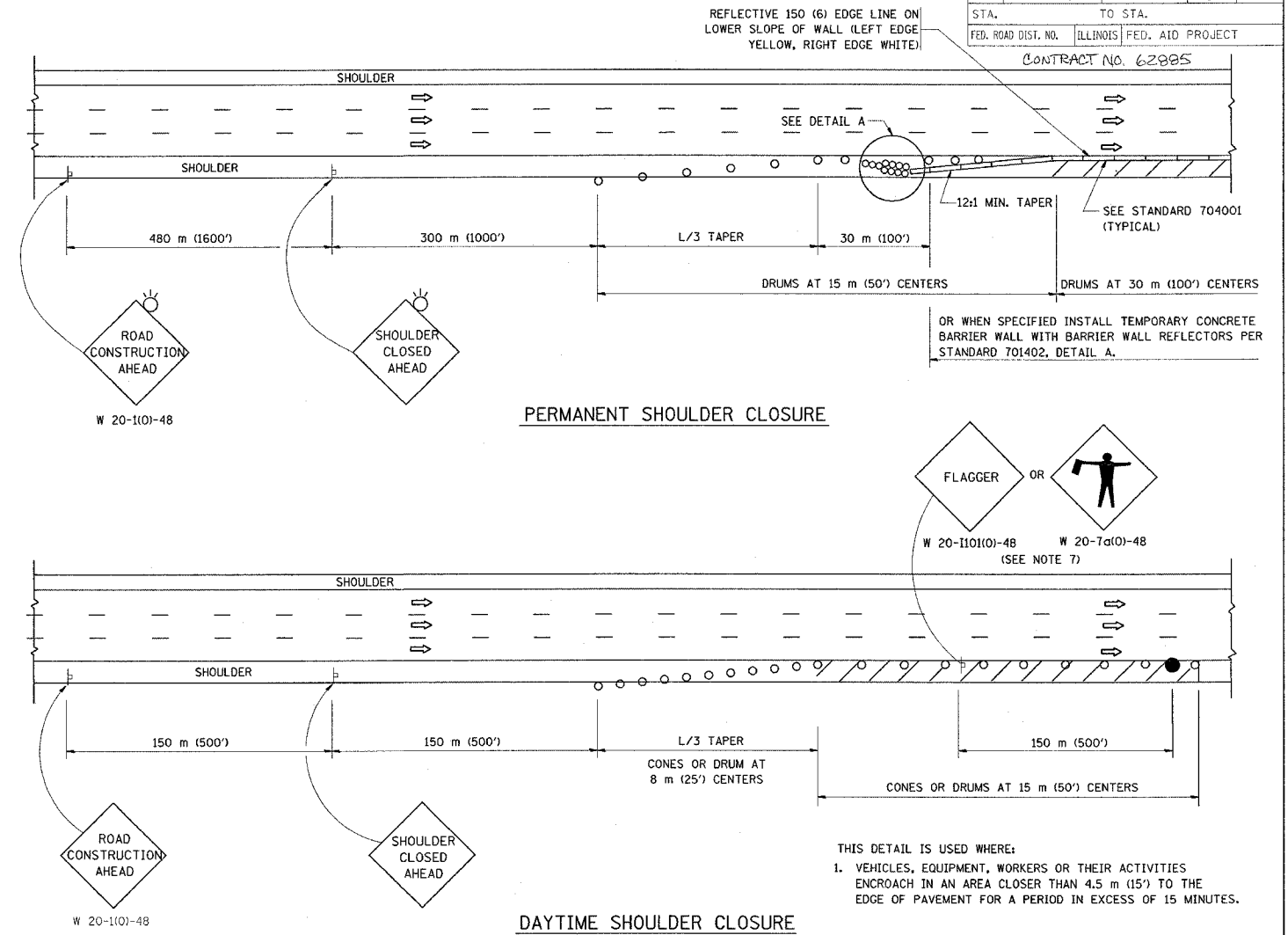
- ARROWBOARD
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT
- CONES - 700 (28) IN HEIGHT

**GENERAL NOTES**

1. THE "L" DISTANCE EQUALS:  

SPEED LIMIT	FORMULAS
80 km/h (45 mph) OR GREATER:	METRIC: $L=0.65(W)(S)$ ENGLISH: $L=(W)(S)$
	W = WIDTH OF OFFSET IN METERS (FEET)
	S = NORMAL POSTED SPEED KM/H (MPH)
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



F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2004-119 GRR	LOUISIANA	15	15
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

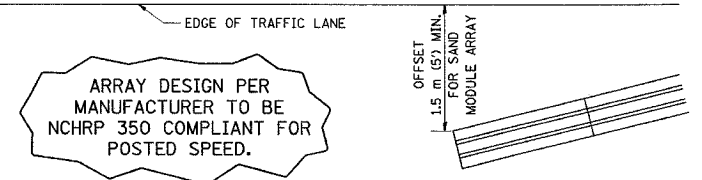
CONTRACT NO. 62885

REFLECTIVE 150 (6) EDGE LINE ON LOWER SLOPE OF WALL (LEFT EDGE YELLOW, RIGHT EDGE WHITE)

**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 4.5 m (15') TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



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

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS OUTSIDE THE CLEAR ZONE OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE "TRAFFIC BARRIER TERMINAL, TYPE III, TEMPORARY" DEVICE TO MEET NCHRP350 FOR POSTED SPEED.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
  - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
  - b. THE WORK AVTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 30 m (100') TO 60 m (200') IN ADVANCE OF THE WORKERS.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES PARTIAL RAMP CLOSURES**

REVISIONS	
NAME	DATE
DWS	11/96
JAF	12/02
NCHRP 350	04/03

SCALE: NONE  
 DATE: 4/18/2005  
 DRAWN BY  
 DESIGNED BY: DWS  
 CHECKED BY  
 TC-17