

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2005-038 I	COOK/WILL	58	1

D-91-270-05

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED HIGHWAY

FAI 57 : INTERSTATE 57

I-80 TO WILL /KANKAKEE COUNTY LINE

SECTION: 2005-038 I

HIGH TENSION MEDIAN CABLE INSTALLATION

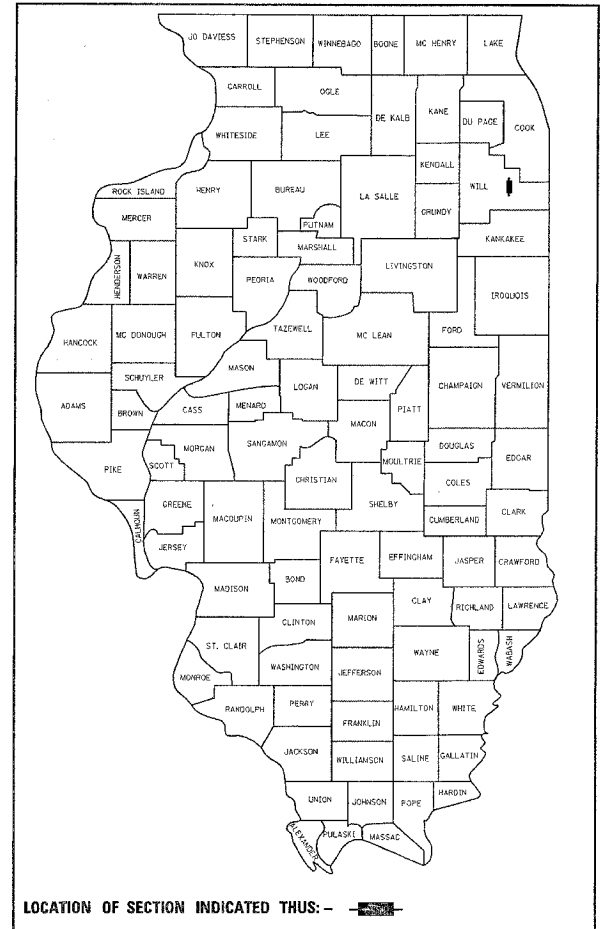
PROJECT: ACHS-057-7(274)325

COOK & WILL COUNTY

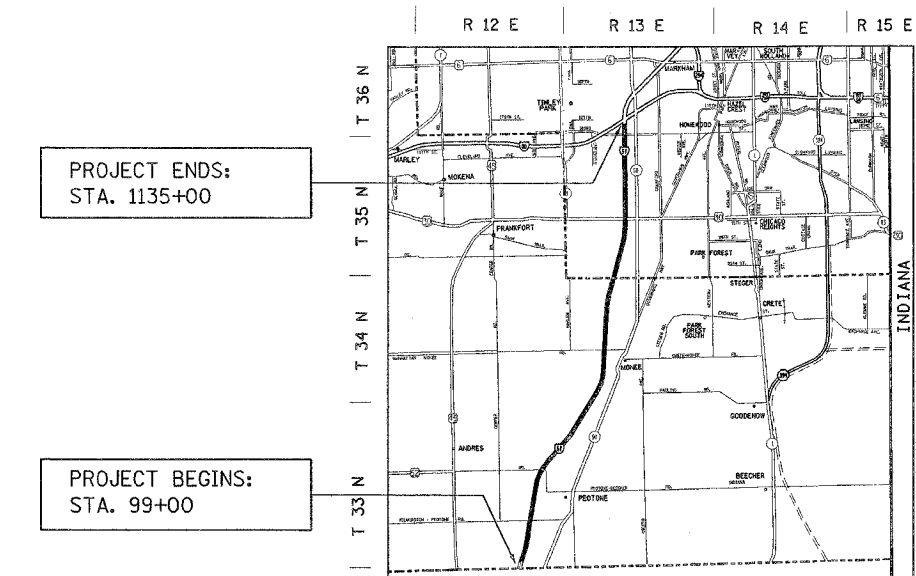
C-91-270-05

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE PROJECT IS LOCATED IN THE VILLAGES OF COUNTRY CLUB HILL, MATTESON, RITCHTON PARK, UNIVERSITY PARK, MONEE AND PEOTONE



DISTRICT ONE DESIGN PLAN PREPARATION ENGINEER: KEN ENG/JENPAI CHANG (847)705-4432



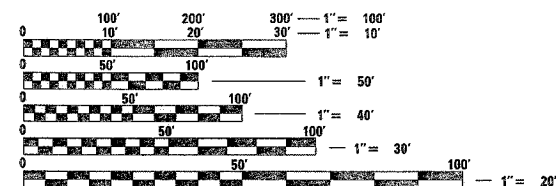
PROJECT ENDS:
STA. 1135+00

PROJECT BEGINS:
STA. 99+00

PEOTONE, WILL, MONEE, BREMEN TOWNSHIPS

TRAFFIC DATA

ADT = 75,000
POSTED SPEED LIMIT= 65 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

GROSS LENGTH OF PROJECT = 103,600 LINEAL FEET = 19.62 MILES
NET LENGTH OF PROJECT = 101,055 LINEAL FEET = 19.14 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Jan. 5 2006
Diane M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

February 3, 2006
Mike Hine
ENGINEER OF DESIGN AND ENVIRONMENT

February 3, 2006
Milton L. See
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2005-038 I	COOK/WILL	58	2
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT 60A09

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STANDARDS, AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	SCHEDULE OF CABLE SYSTEM ITEMS
5	TYPICAL SECTIONS
6-46	EXISTING AND PROPOSED ROADWAY PLAN
47	TRAFFIC CONTROL FOR FREEWAY SHOULDER CLOSURES PARTIAL RAMP CLOSURES
48-58	HIGH TENSION GUARDRAIL DETAILS

LIST OF STATE STANDARDS

STANDARD NO.	DESCRIPTION
701101-01	OFF-RD OPERATIONS, MULTILANE LESS THAN 4.5 M (15') AWAY FOR SPEEDS \geq 45 MPH
701400-02	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701406-04	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATION ONLY
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 PROPOSED DEPTHS OF THE CONCRETE SOCKETED FOUNDATIONS AND END ANCHORAGE FOUNDATIONS AS SHOWN IN THE BRIFEN USA DETAILS SHALL BE 42" (MINIMUM). THE FOUNDATION WORK SHALL BE INCLUDED IN THE UNIT COST FOR THE HIGH TENSION CABLE SYSTEM.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**INTERSTATE 57
INDEX OF SHEETS
LIST OF STATE STANDARDS
PLAN NOTES**

SCALE: VERT. : NONE
HORIZ. : NONE
DATE

DRAWN BY: HMO
CHECKED BY:

Rev.

SUMMARY OF QUANTITIES			URBAN 90% FED. 10% STATE TOTAL	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		QUANTITIES	SFTY-3J WILL	SFTY-3J COOK			
20029650	HIGH TENSION CABLE MEDIAN BARRIER SYSTEM	FOOT		101,055	64,360	36,695			
Δ 25000750	MOWING	ACRE	23.2	13.9	9.3				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5	3	2				
67100100	MOBILIZATION	L SUM	1	.6	.4				
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAY)	L SUM	1	.6	.4				
20013798	CONSTRUCTION LAYOUT	L SUM	1	0.6	0.4				

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES						

c:\projects\j127005\j127005.dwg

Δ NON-PARTICIPATING

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

Rev.

PLOT DATE: 1/4/2006

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2005-038 I	COOK/WILL	58	4
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT 60A09				

SOCKETED POST AND CABLE (FOR TL-4 SYSTEM)

STA.	TO	STA.	LENGTH (FT.)
99+00	TO	117+10	1810
117+90	TO	224+20	10630
229+90	TO	258+30	2840
259+30	TO	354+10	9480
355+00	TO	417+65	6265
418+50	TO	476+30	5780
476+90	TO	506+50	2960
507+40	TO	596+30	8890
597+05	TO	775+50	17845
776+35	TO	871+00	9465
877+00	TO	888+50	1150
889+30	TO	900+00	1070
903+75	TO	1006+00	10225
1006+80	TO	1059+40	5260
1060+25	TO	1112+30	5205
1113+20	TO	1135+00	2180
TOTAL LENGTH			101,055

WRGT-RD END TERMINALS (FOR TL-4 SYSTEM)

STA.	EACH
99+00	1
117+10	1
117+90	1
224+20	1
229+90	1
258+30	1
259+30	1
354+10	1
355+00	1
417+65	1
418+50	1
476+30	1
476+90	1
506+50	1
507+40	1
596+30	1
597+05	1
775+50	1
776+35	1
871+00	1
877+00	1
888+50	1
889+30	1
900+00	1
903+75	1
1006+00	1
1006+80	1
1059+40	1
1060+25	1
1112+30	1
1113+20	1
1135+00	1
TOTAL	32

REVISIONS	
NAME	DATE

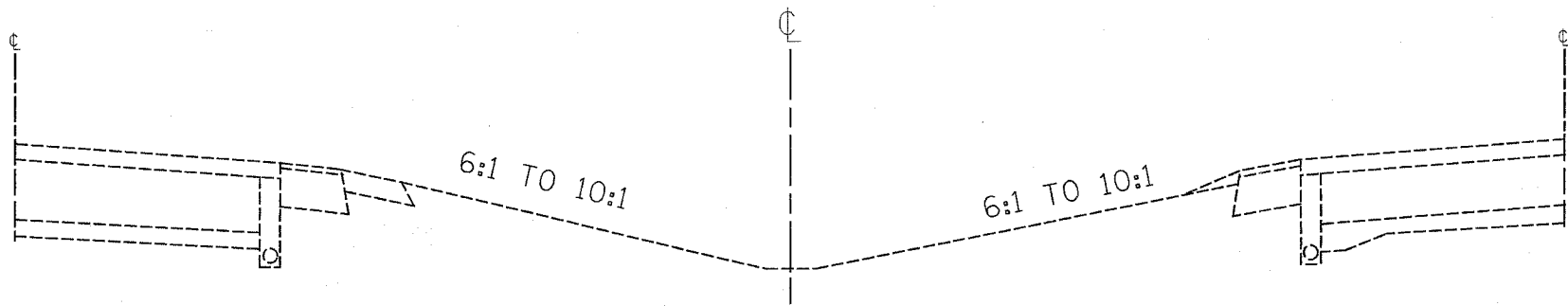
ILLINOIS DEPARTMENT OF TRANSPORTATION

**INTERSTATE 57
SCHEDULE OF QUANTITIES**

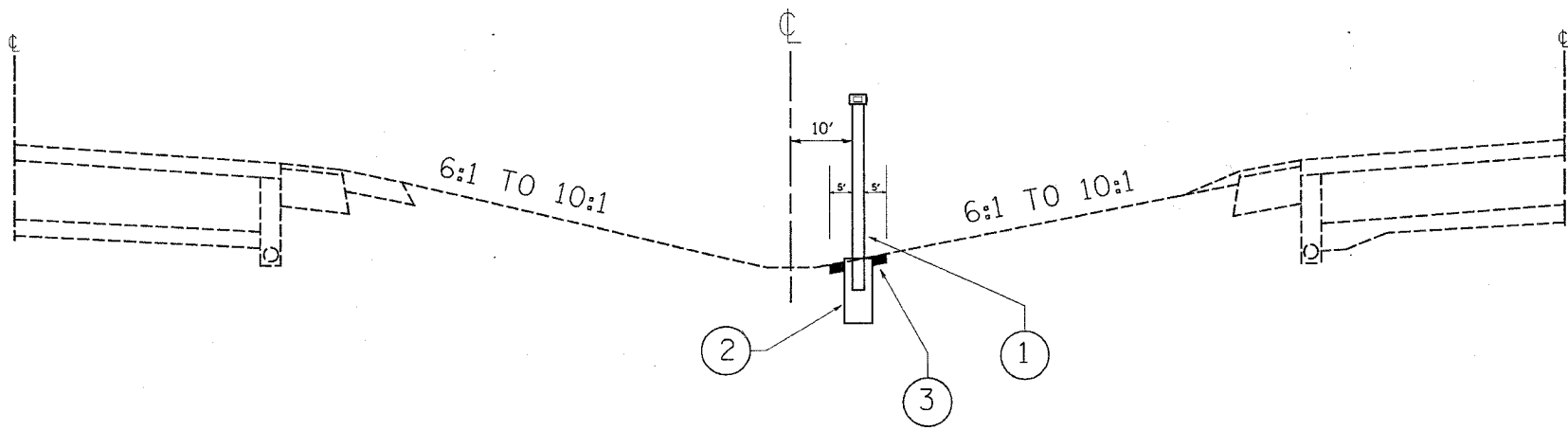
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HORIZ. : NONE

DATE: _____ DRAWN BY: HMO
CHECKED BY: _____

F. A. I. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2005-038 I	COOK/WILL	58	5
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
D-91-272-05		CONTRACT 60A09		



I-57
EXISTING TYPICAL CROSS SECTION
STA. 99+00 TO STA. 1135+00



I-57
PROPOSED TYPICAL CROSS SECTION
STA. 99+00 TO STA. 1135+00

LEGEND

- ① HIGH TENSION CABLE MEDIAN BARRIER SYSTEM
- ② CONCRETE FOUNDATION - INCLUDED IN THE COST OF THE HIGH TENSION CABLE MEDIAN BARRIER SYSTEM
- ③ MOWING

NOTES:

1. POST SPACING, FOUNDATION SIZE AND END ANCHORAGE SHALL BE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
2. A PRESMAIC REFLECTOR (YELLOW) SHALL BE PLACED ON BOTH SIDES OF THE POST CAB AT 100 FT. SPACING. THIS WORK SHALL BE INCLUDED IN THE COST OF THE HIGH TENSION CABLE MEDIAN BARRIER SYSTEM.
3. TERMINAL SECTIONS FOR THE CABLE GUARD RAIL SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND SHALL BE INCLUDED IN THE COST OF THE HIGH TENSION CABLE MEDIAN BARRIER SYSTEM.
4. FINAL PLACEMENT LOCATION OF THE HIGH TENSION CABLE MEDIAN BARRIER SYSTEM SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**INTERSTATE 57
TYPICAL SECTIONS**

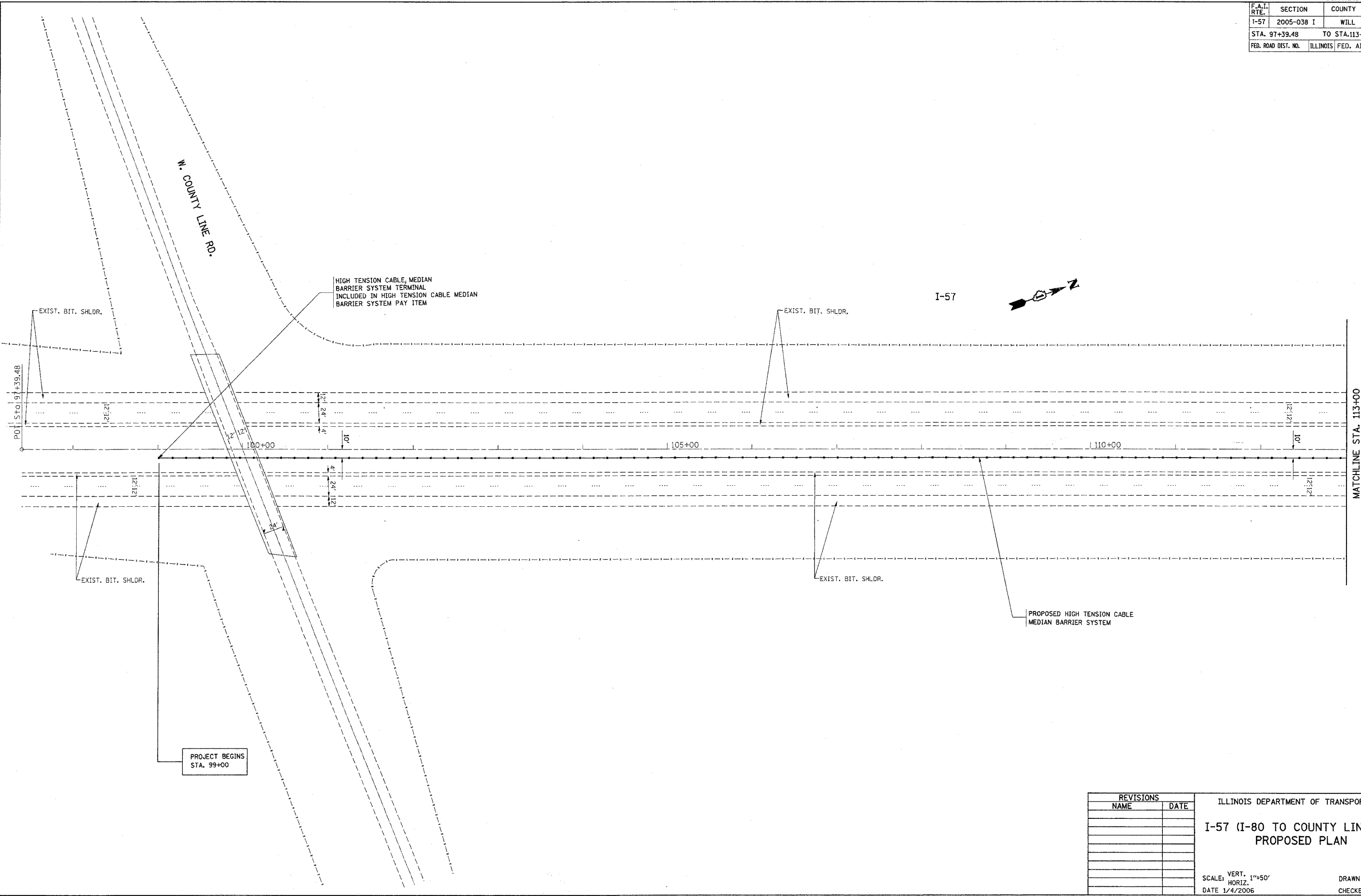
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DRAWN BY: HMO
CHECKED BY: _____

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CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	6
STA. 97+39.48		TO STA. 113+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-57 (I-80 TO COUNTY LINE RD.)
 PROPOSED PLAN**

SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE 1/4/2006

DRAWN BY
 CHECKED BY

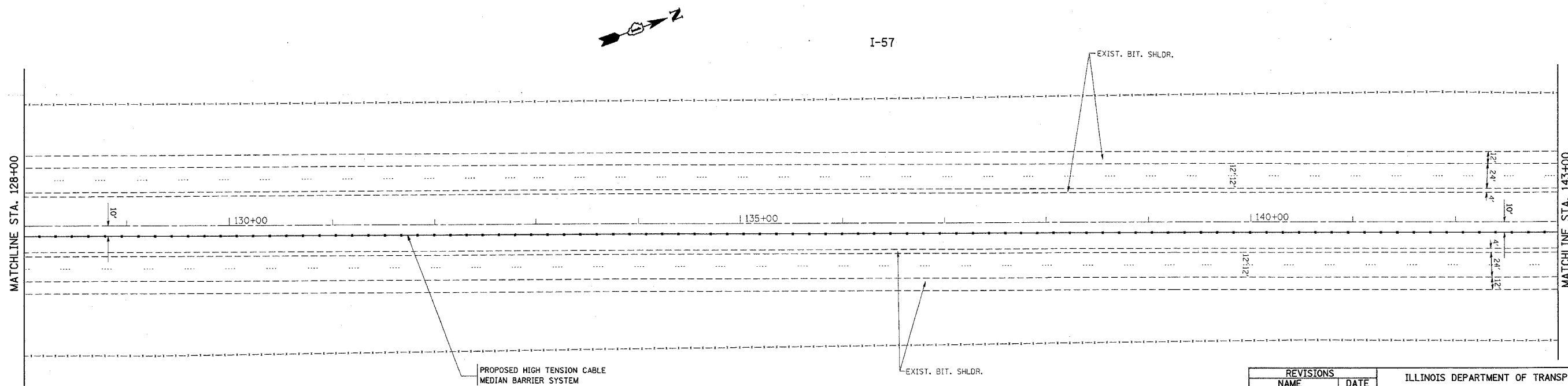
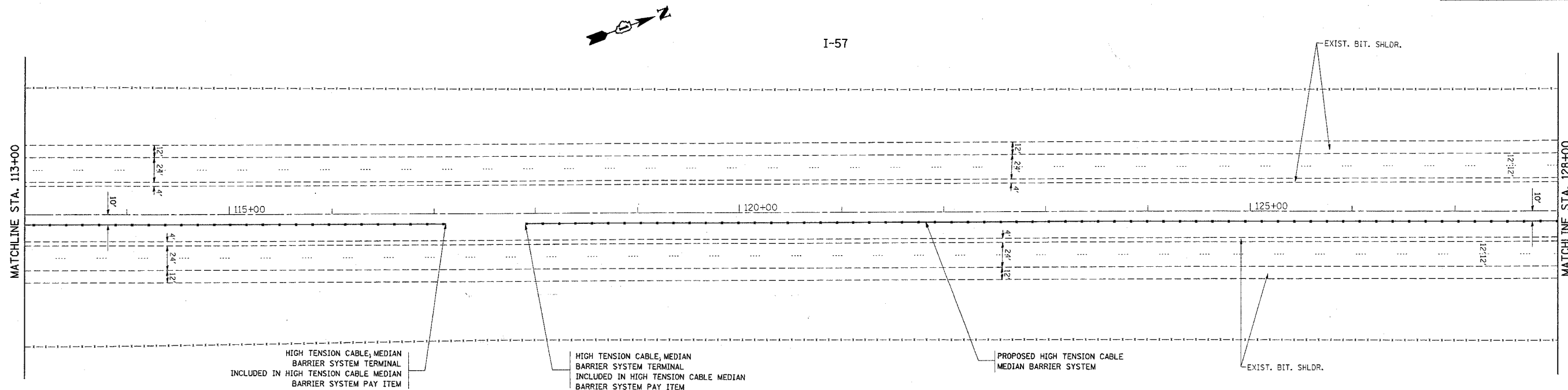
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 PLOT SCALE = 1"=50'
 USER NAME = hsrakof

PROJECT BEGINS
 STA. 99+00

*REF-top02
*REF-top03

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	7
STA. 113+00		TO STA. 143+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



PLOT DATE = 1/4/2006
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PLOT SCALE = 50.0000 "/> IN.
USER NAME = lasakrf

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-57 (I-80 TO COUNTY LINE RD.)
PROPOSED PLAN

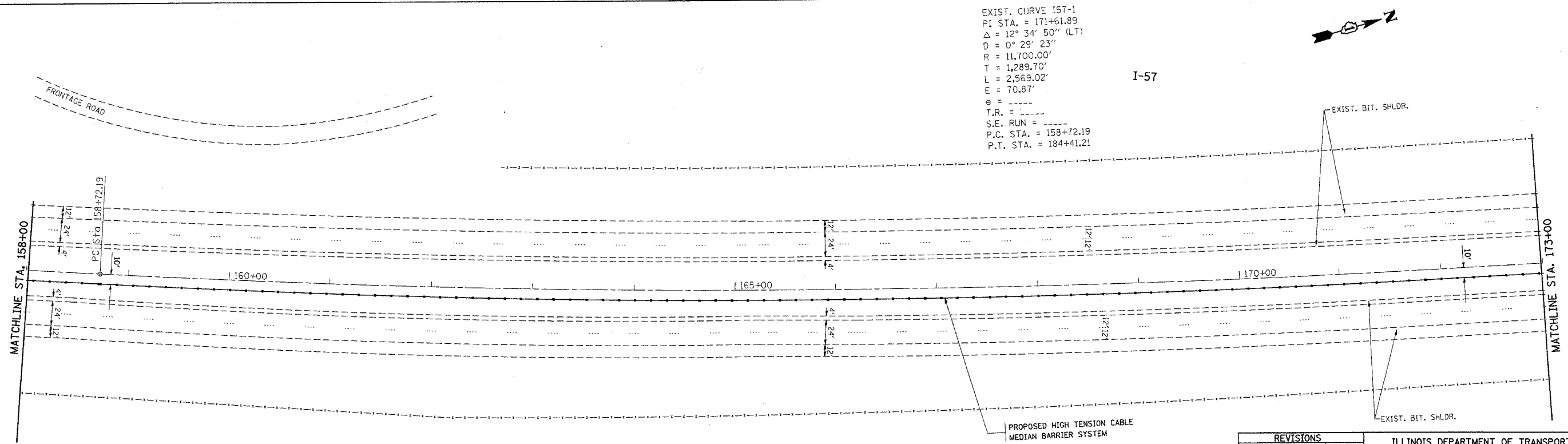
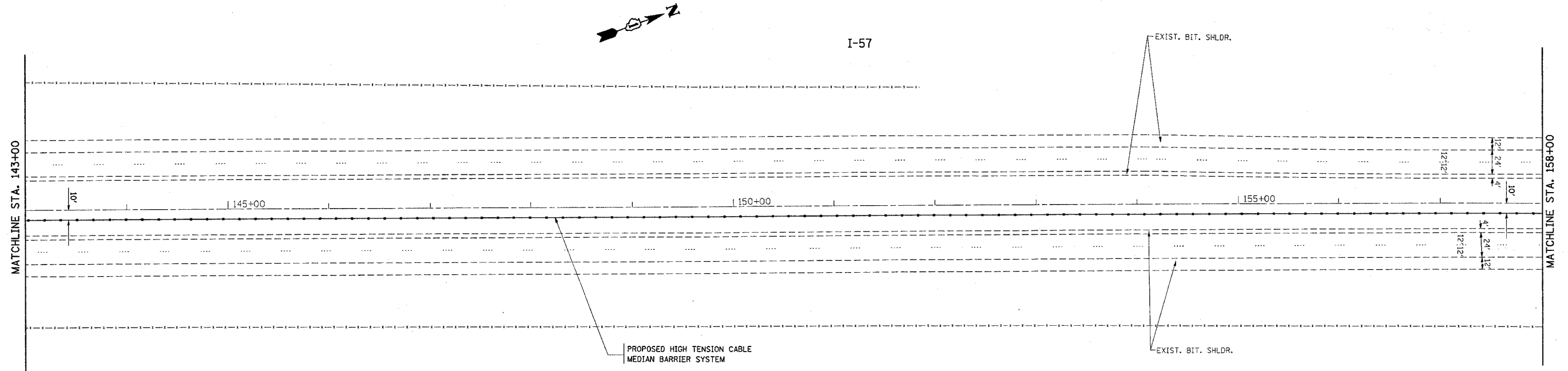
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HORIZ.
DATE 1/4/2006

DRAWN BY
CHECKED BY

*REF-topo04
*REF-topo05

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	38
STA. 143+00		TO STA. 173+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



PLOT DATE = 1/4/2006
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 USER NAME = jzschmitt

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-57 (I-80 TO COUNTY LINE RD.)
 PROPOSED PLAN

SCALE: VERT. 1"=50'
 HORIZ. 1"=100'
 DATE 1/4/2006

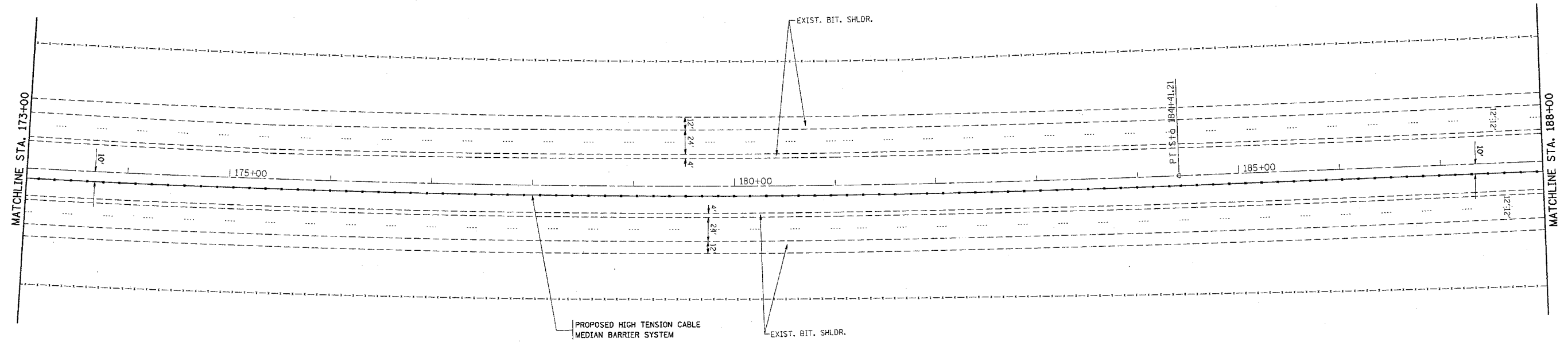
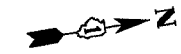
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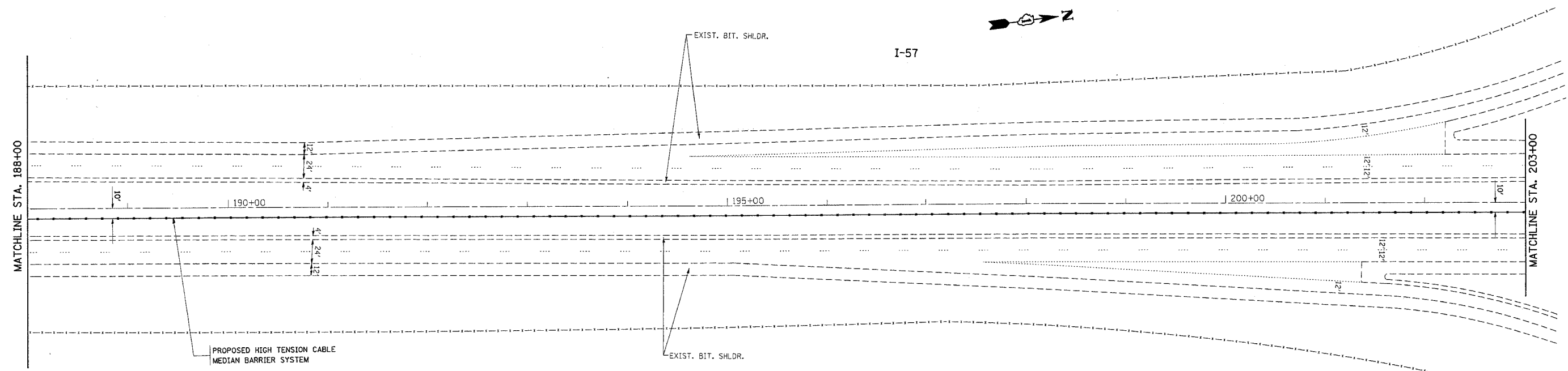
CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	9
STA. 173+00		TO STA. 203+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

I-57



I-57



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USER NAME = lisaekrf

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-57 (I-80 TO COUNTY LINE RD.)
PROPOSED PLAN

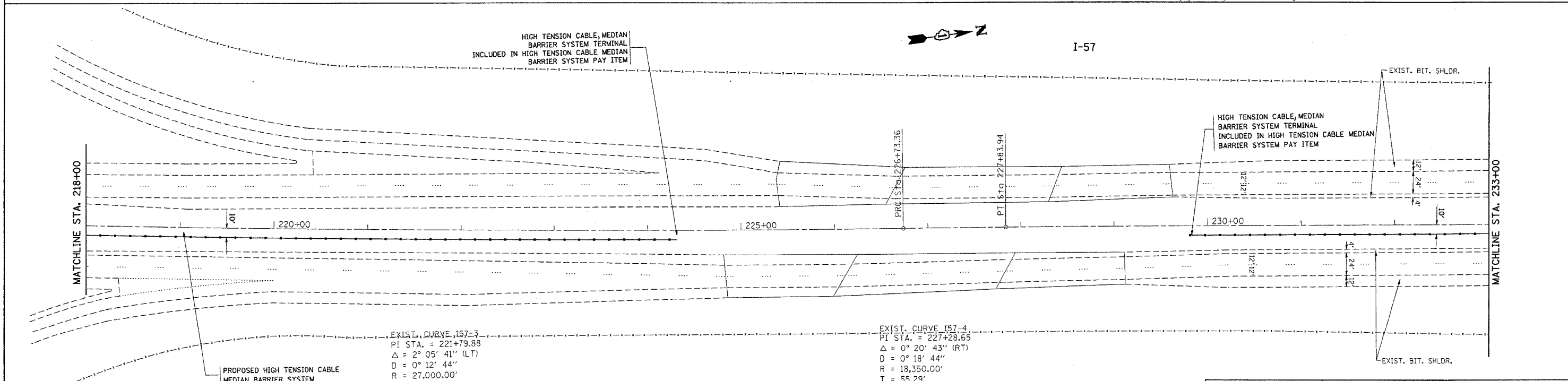
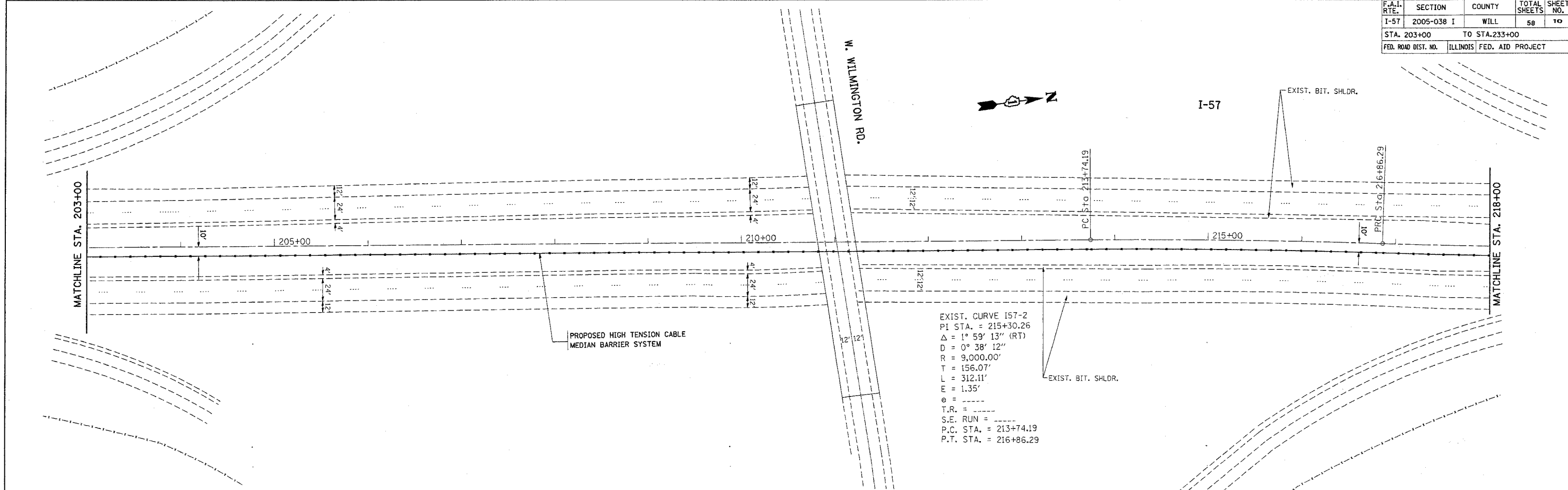
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HORIZ. 1"=50'
DATE 1/4/2006

DRAWN BY
CHECKED BY

*REF-top08
*REF-top09

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	10
STA. 203+00		TO STA. 233+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PLT DATE = 1/4/2006
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 USER NAME = lmsahr

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

I-57 (I-80 TO COUNTY LINE RD.)
PROPOSED PLAN

SCALE: VERT. 1"=50'
HORIZ. 1"=50'

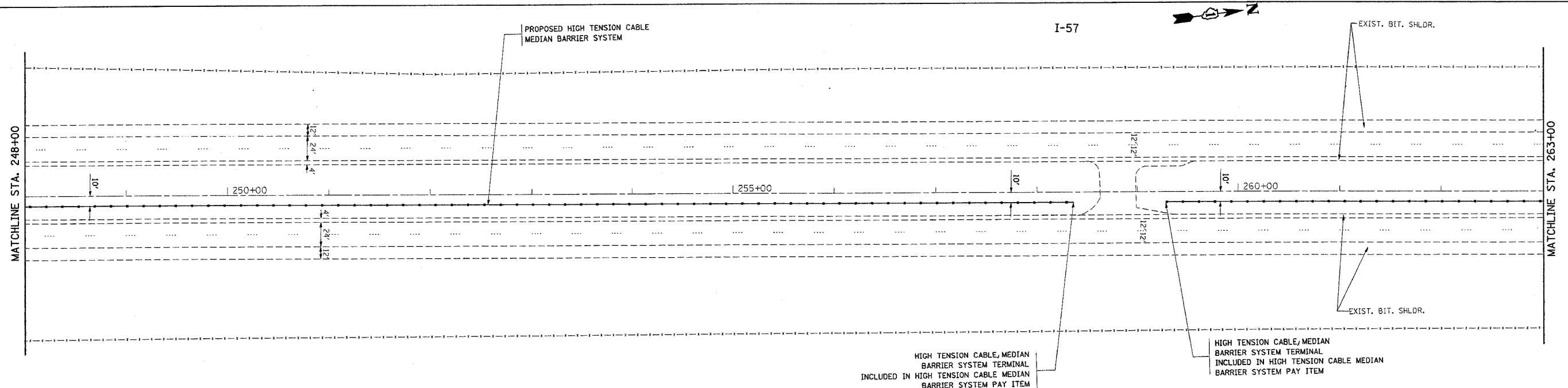
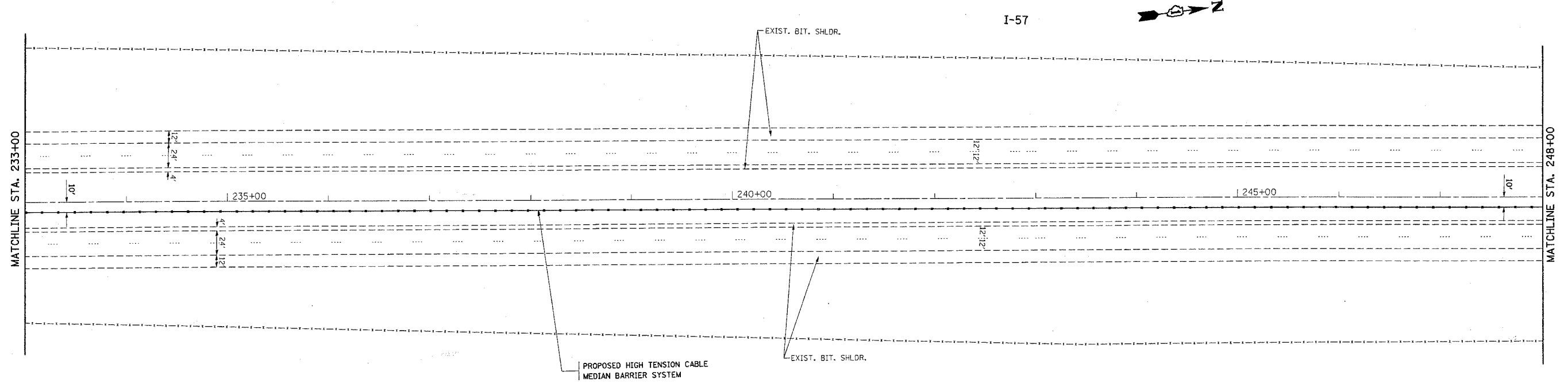
DATE 1/4/2006

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CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	11
STA. 233+00		TO STA. 263+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLOT DATE = 1/4/2006
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REVISIONS	
NAME	DATE

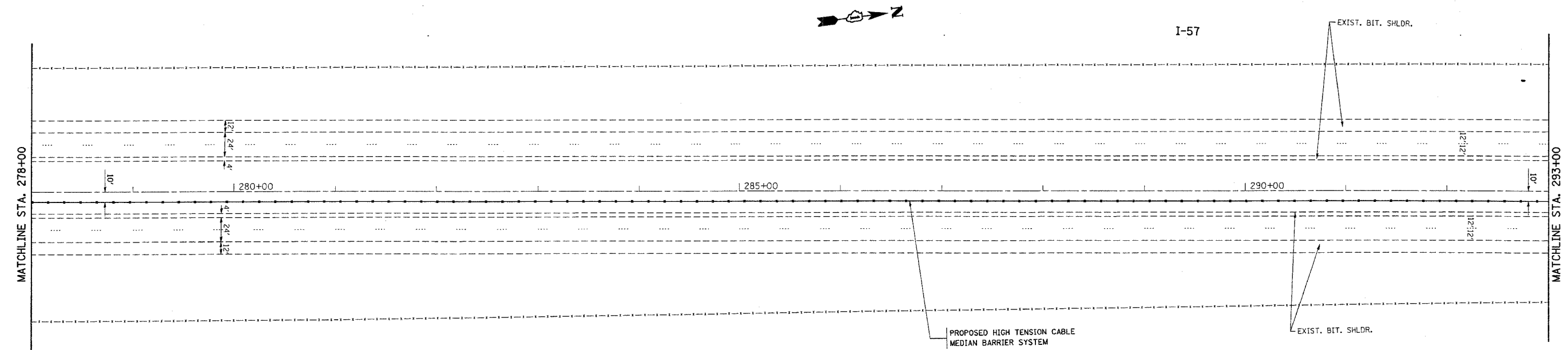
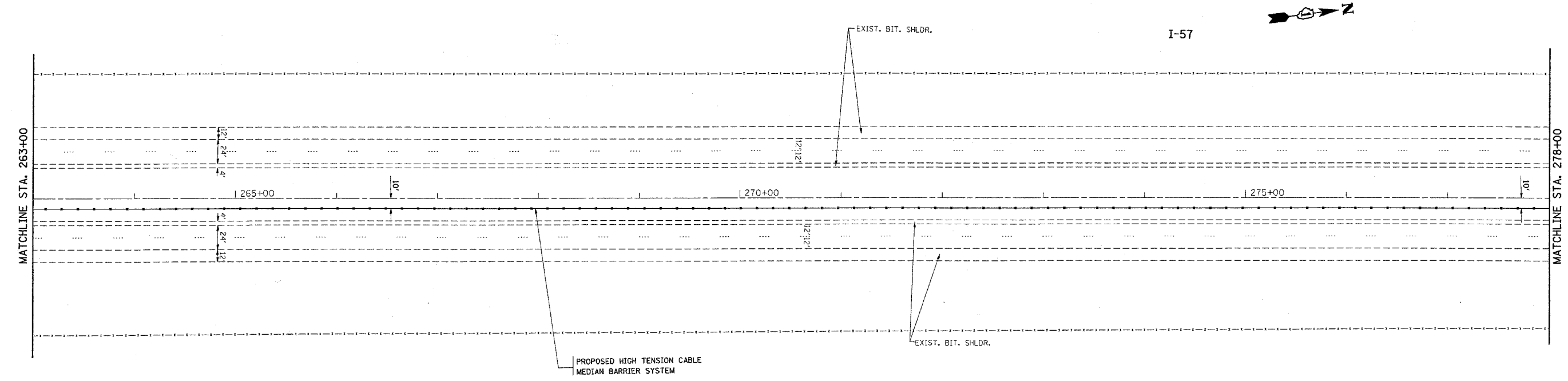
ILLINOIS DEPARTMENT OF TRANSPORTATION
I-57 (I-80 TO COUNTY LINE RD.)
PROPOSED PLAN

SCALE: VERT. 1"=50'
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DATE 1/4/2006
DRAWN BY
CHECKED BY

*REF-100012
*REF-100013

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	12
STA. 263+00		TO STA. 293+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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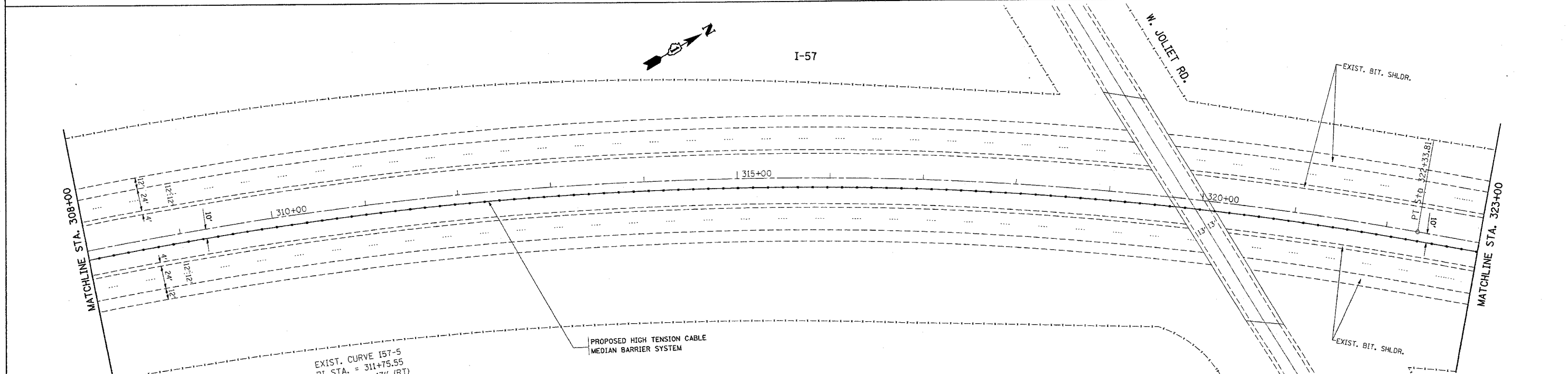
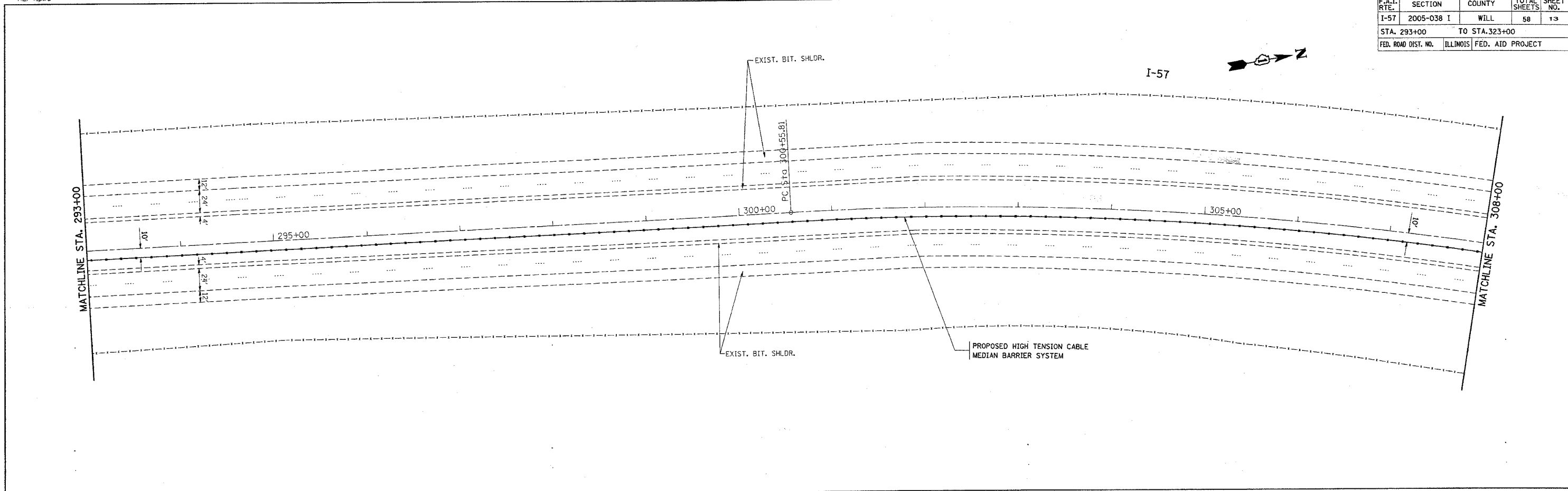
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-57 (I-80 TO COUNTY LINE RD.)
 PROPOSED PLAN
 SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE 1/4/2006
 DRAWN BY
 CHECKED BY

*REF-topol4
*REF-topol5

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	13
STA. 293+00		TO STA. 323+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



EXIST. CURVE I57-5
 PI STA. = 311+75.55
 Δ = 32° 47' 47" (RT)
 D = 1° 30' 21"
 R = 3,805.00'
 T = 1,119.74'
 L = 2,178.00'
 E = 161.34'
 θ = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 300+55.81
 P.T. STA. = 322+33.81

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-57 (I-80 TO COUNTY LINE RD.)
 PROPOSED PLAN

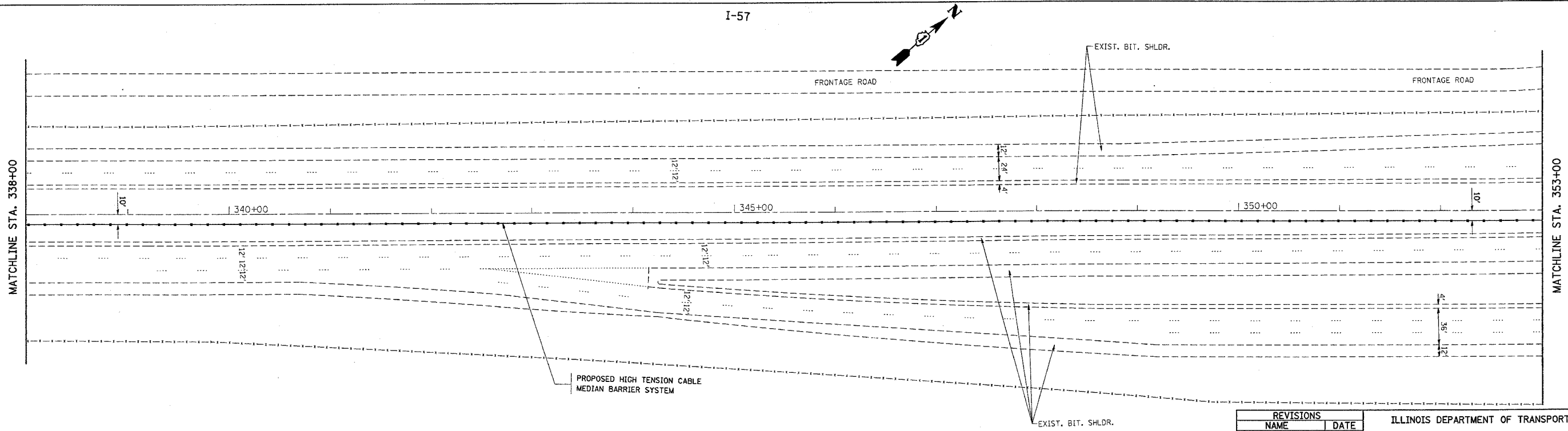
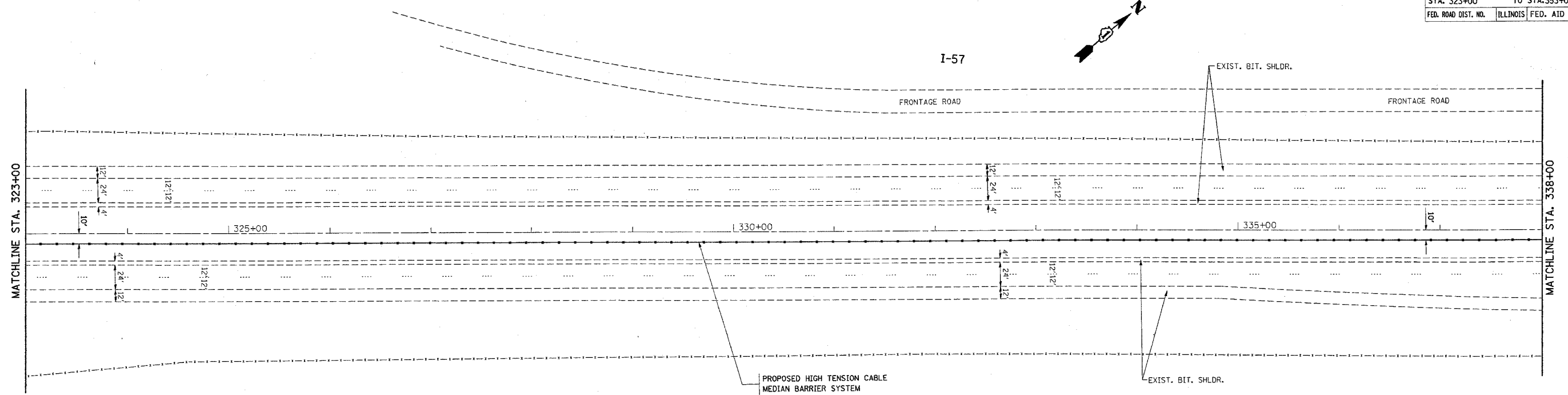
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 DATE 1/4/2006
 DRAWN BY
 CHECKED BY

PLOT DATE = 1/4/2006
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 USER NAME = jlszabur

*REF-topo16
*REF-topo17

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	14
STA. 323+00		TO STA. 353+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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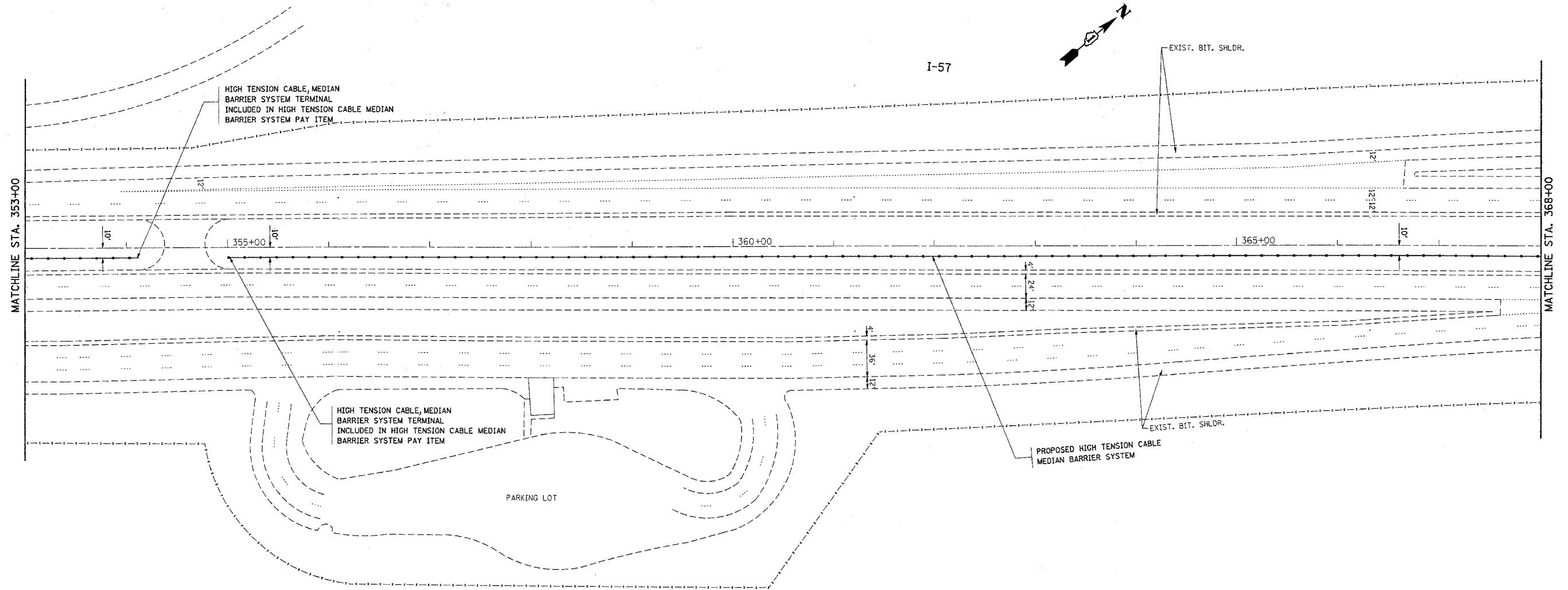
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-57 (I-80 TO COUNTY LINE RD.)
PROPOSED PLAN
SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE 1/4/2006
DRAWN BY
CHECKED BY

REF-topal8

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	15
STA. 353+00		TO STA. 368+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLOT DATE = 1/4/2006
 FILE NAME = c:\projects\6027805\sh_rdy_ee.dgn
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-57 (I-80 TO COUNTY LINE RD.)
 PROPOSED PLAN

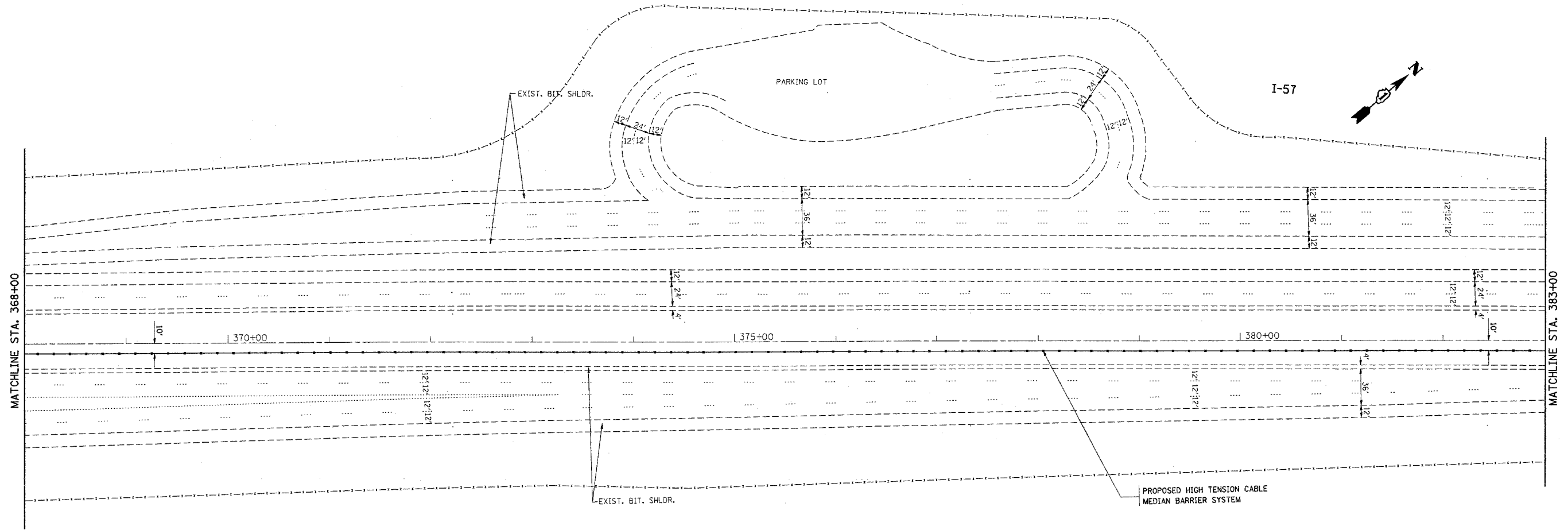
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 HORIZ. 1"=50'

DATE _____ DRAWN BY _____
 CHECKED BY _____

*REF-topo19

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	16
STA. 368+00		TO STA. 383+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLOT DATE = 1/4/2006
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-57 (I-80 TO COUNTY LINE RD.)
 PROPOSED PLAN

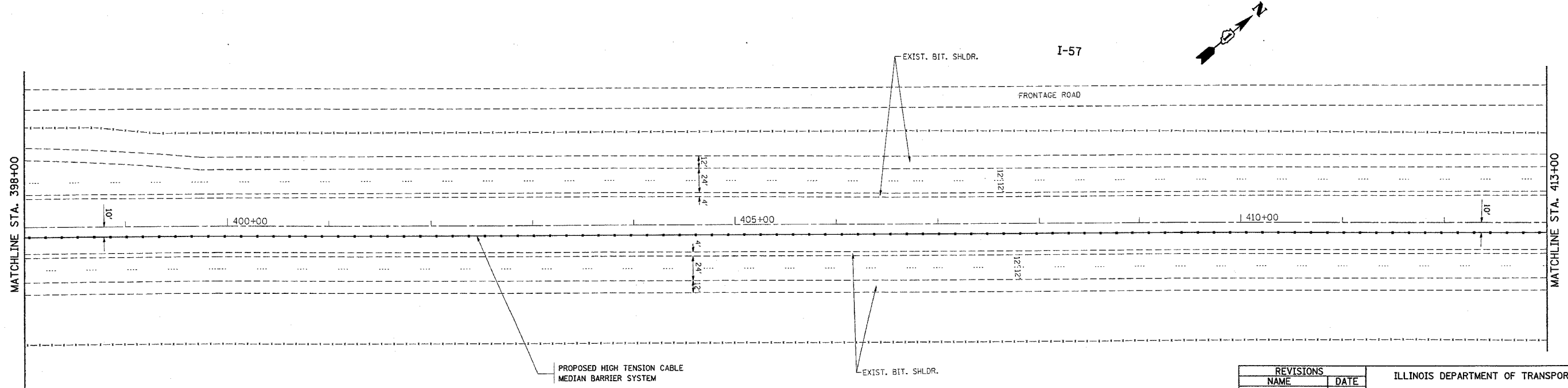
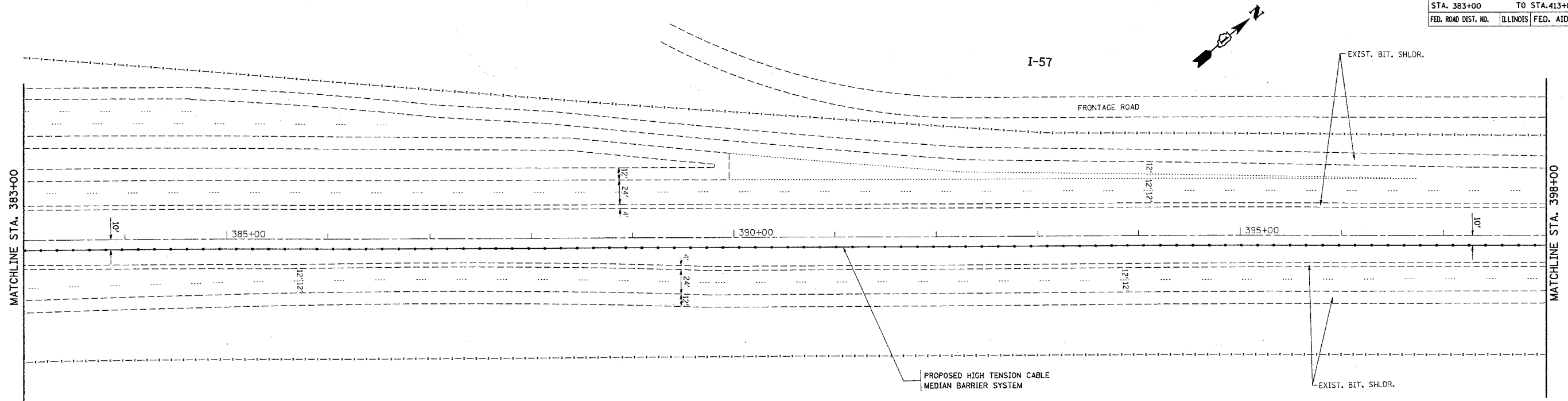
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 HORIZ. 1"=50'

DATE _____ DRAWN BY _____
 CHECKED BY _____

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*REF-topo21

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	17
STA. 383+00		TO STA. 413+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



PLOT DATE = 1/4/2006
FILE NAME = g:\projects\127805\ah_r.dwg,ascdgn
USER NAME = jhazekrf

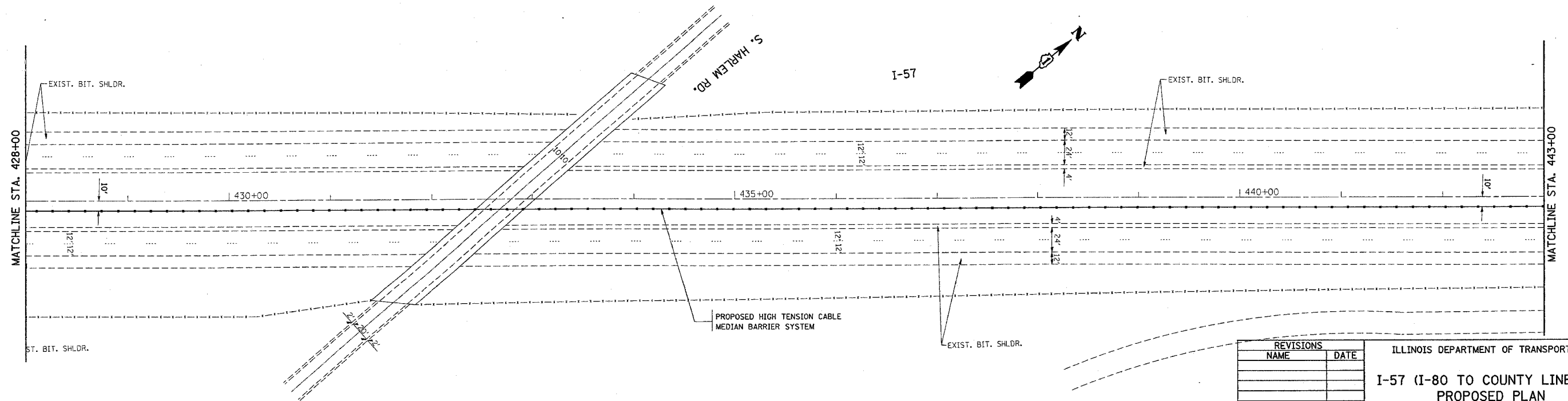
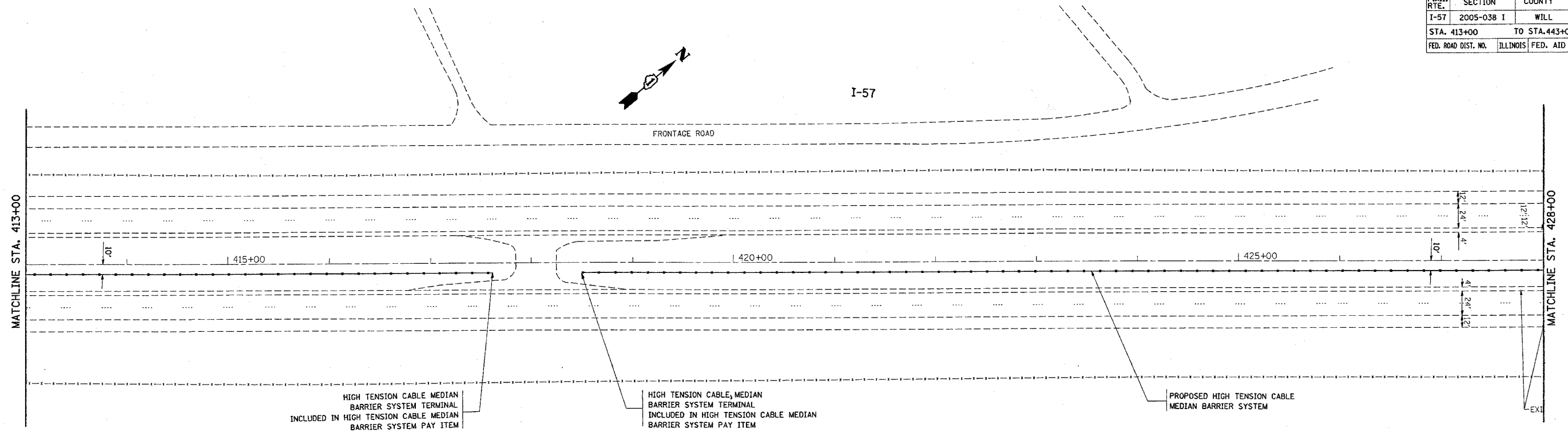
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-57 (I-80 TO COUNTY LINE RD.)
PROPOSED PLAN
SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE 1/4/2006
DRAWN BY
CHECKED BY

*REF-topo22
*REF-topo23

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	18
STA. 413+00		TO STA. 443+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



PLOT DATE = 1/4/2006
FILE NAME = c:\p\60a09\127885\hwy-428-443.dgn
PLOT SCALE = 1/4"=50'
USER NAME = lasakrf

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-57 (I-80 TO COUNTY LINE RD.)
PROPOSED PLAN

SCALE: VERT. 1"=50'
HORIZ. DATE 1/4/2006

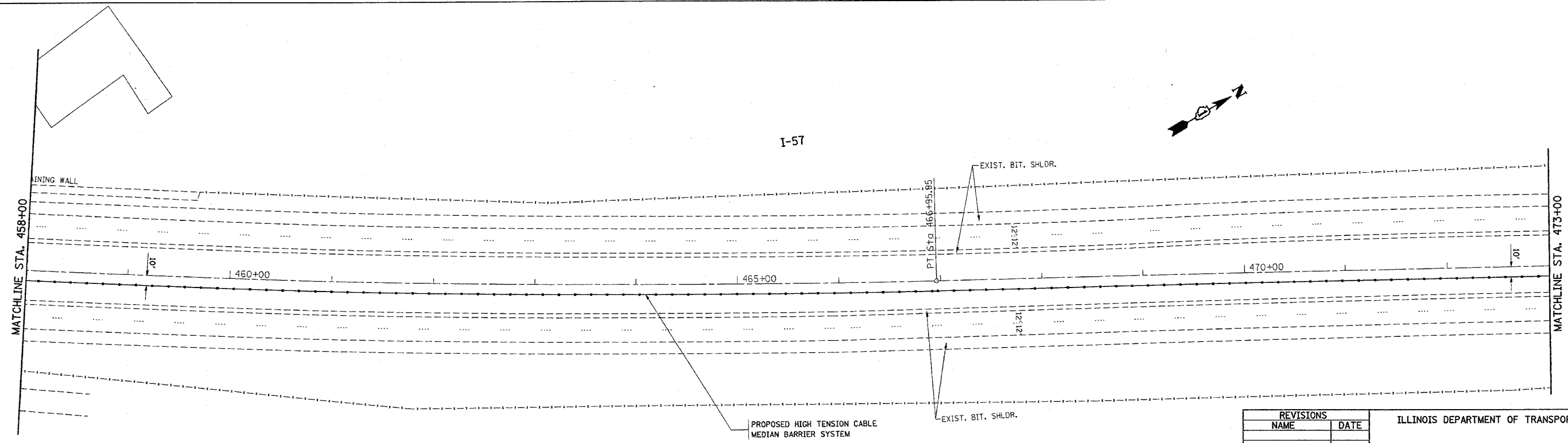
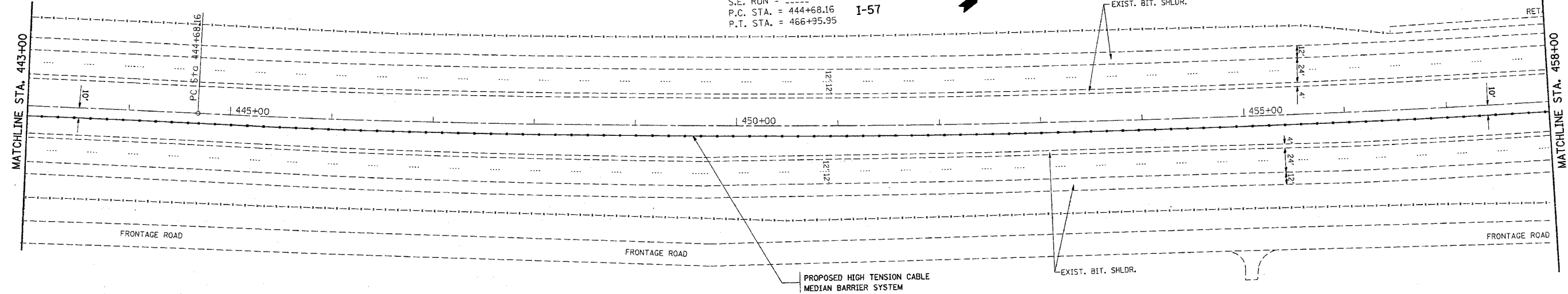
DRAWN BY
CHECKED BY

*REF-topo24
*REF-topo25

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	19
STA. 443+00		TO STA. 473+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXIST. CURVE I57-6
PI STA. = 455+85.15
 $\Delta = 10^{\circ} 26' 16''$ (LT)
D = $0^{\circ} 28' 07''$
R = 12,229.00'
T = 1,116.98'
L = 2,227.78'
E = 50.91'
e = ----
T.R. = ----
S.E. RUN = ----
P.C. STA. = 444+68.16
P.T. STA. = 466+95.95



PLOT DATE = 1/4/2006
FILE NAME = c:\p\proj\sect\27985\ah_rdyj_aedgn
SCALE = 0.80000 / IN.
USER NAME = ltrahny7

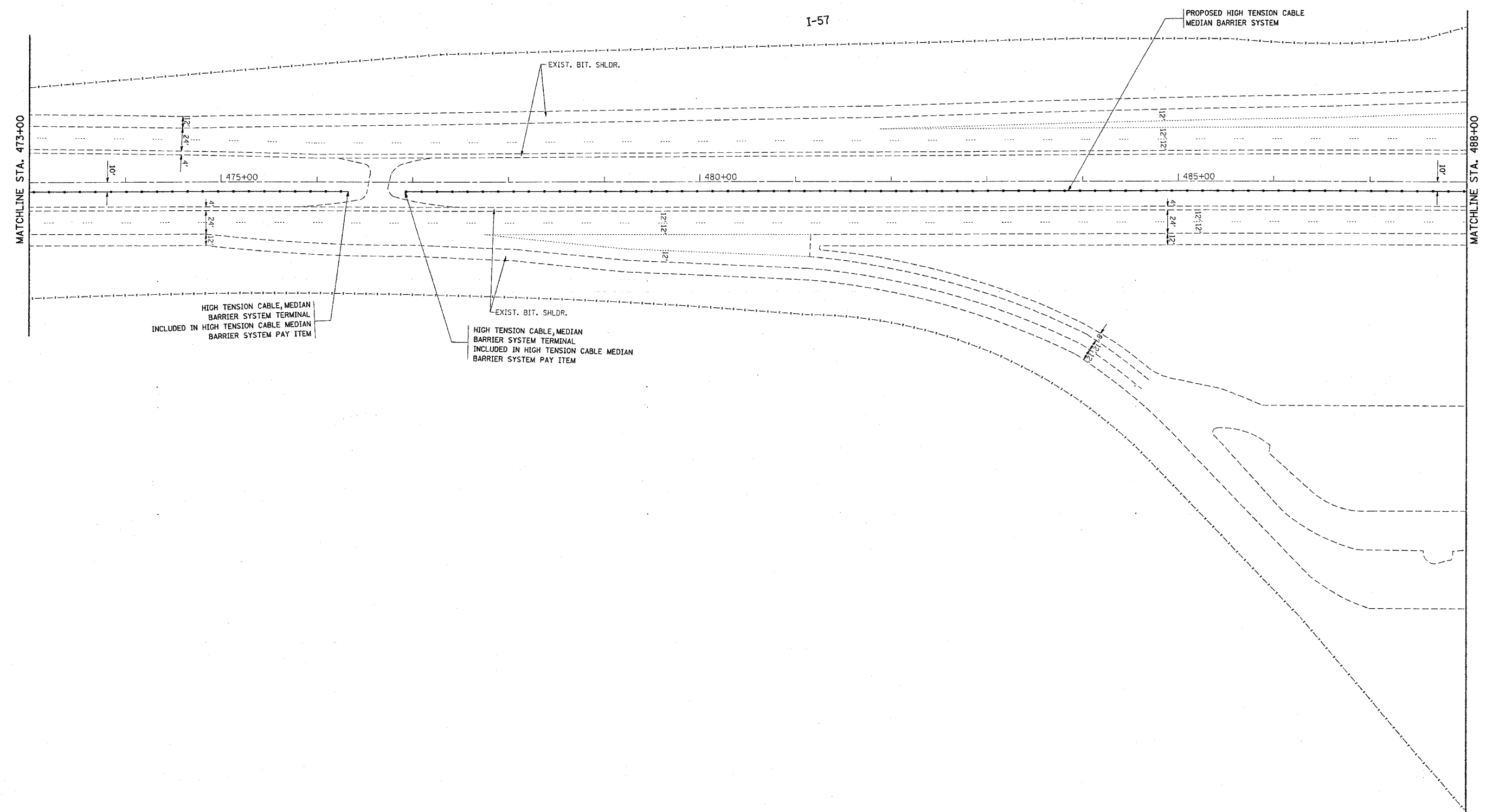
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-57 (I-80 TO COUNTY LINE RD.)
PROPOSED PLAN
SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE 1/4/2006
DRAWN BY
CHECKED BY

REF-top026

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	20
STA. 473+00		TO STA. 488+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLOT DATE = 1/4/2006
 FILE NAME = c:\Projects\127085\1\1\1\1.dwg
 USER NAME = 127085

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-57 (I-80 TO COUNTY LINE RD.)
 PROPOSED PLAN

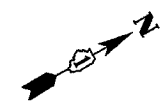
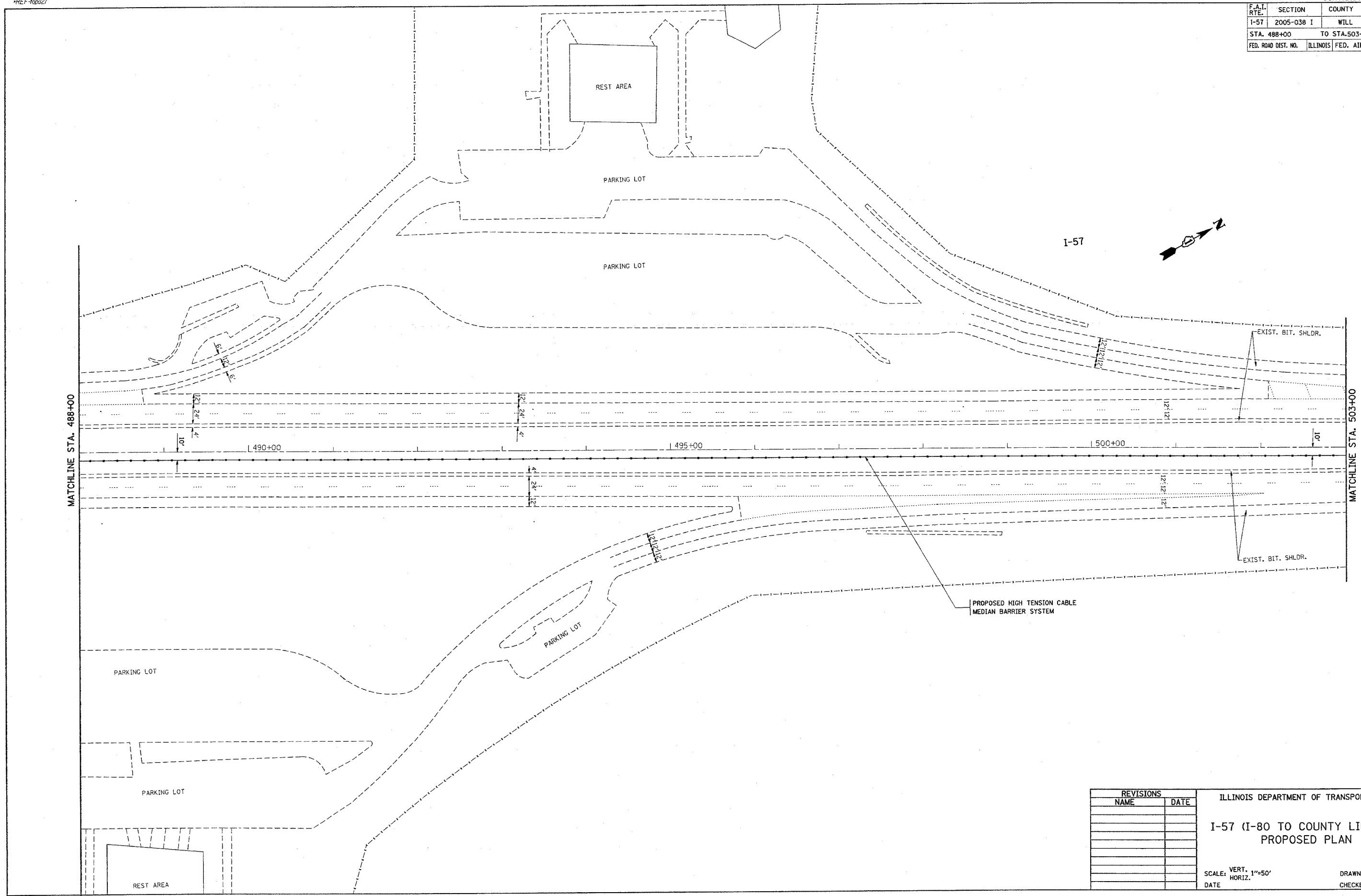
SCALE: VERT. 1"=50'
 HORIZ. DATE

DRAWN BY
 CHECKED BY

*REF-top27

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	21
STA. 488+00		TO STA.503+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLOT DATE = 1/4/2006
 FILE NAME = sv\Projects\dl27885\h_rdy_eadgn
 PLOT SCALE = 30.0000 / IN.
 USER NAME = lshankar

REVISIONS	
NAME	DATE

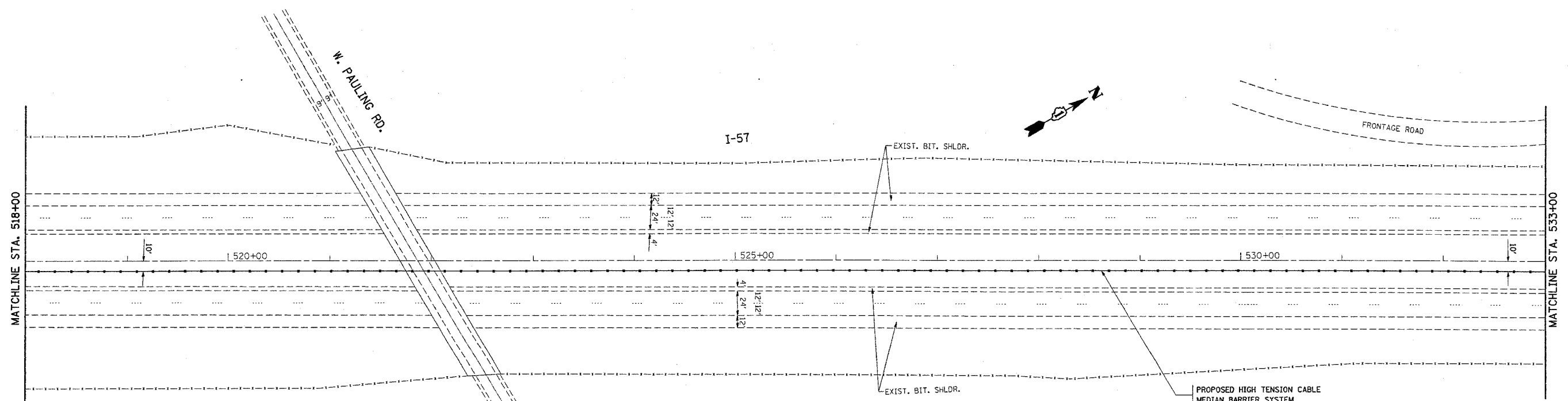
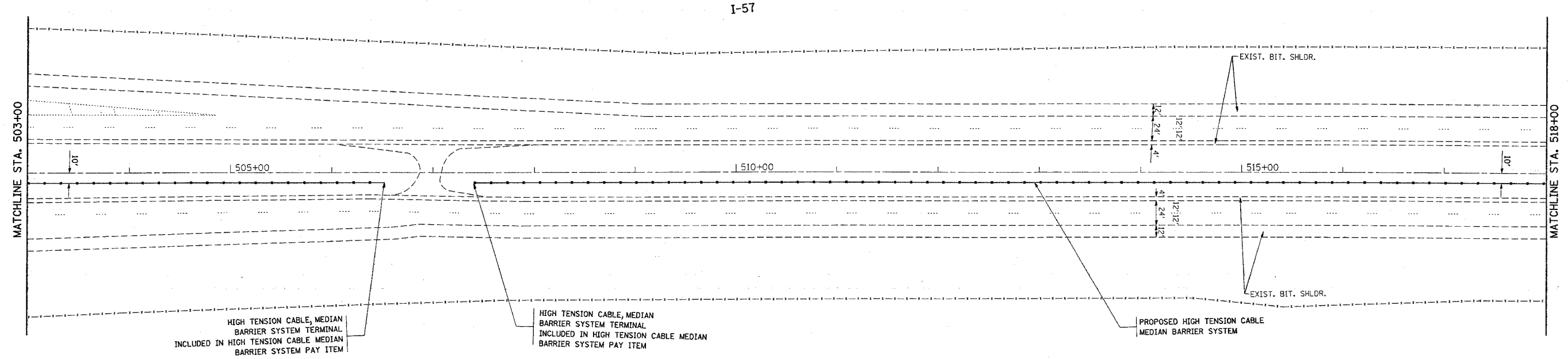
ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-57 (I-80 TO COUNTY LINE RD.)
 PROPOSED PLAN

SCALE: VERT. 1"=50'
 HORIZ. DATE
 DRAWN BY
 CHECKED BY

*REF-topo28
*REF-topo29

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	22
STA. 503+00		TO STA. 533+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PLOT DATE = 1/4/2006
FILE NAME = c:\p-c\mets\d127005\w-pauling_road.dgn
PLOT SCALE = 50.0000' / IN.
USER NAME = lrcelerf

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-57 (I-80 TO COUNTY LINE RD.)
PROPOSED PLAN

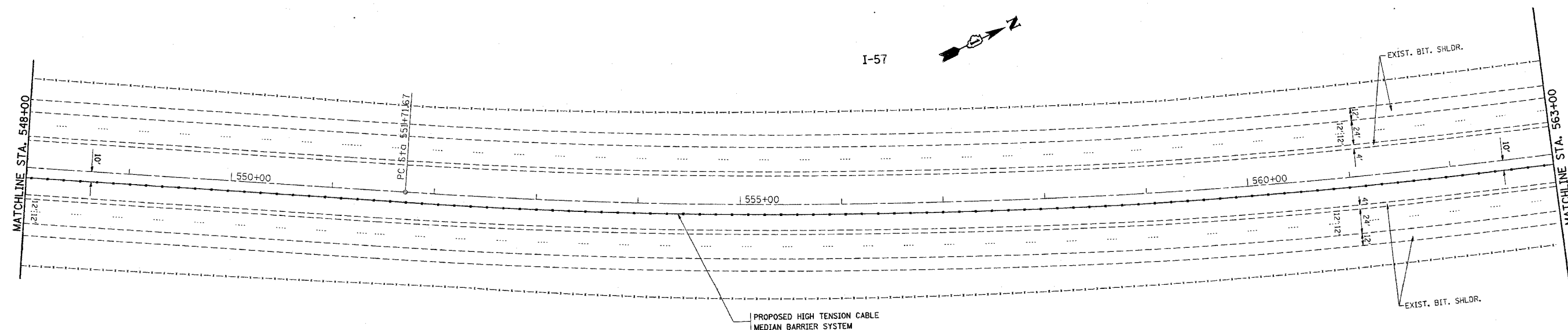
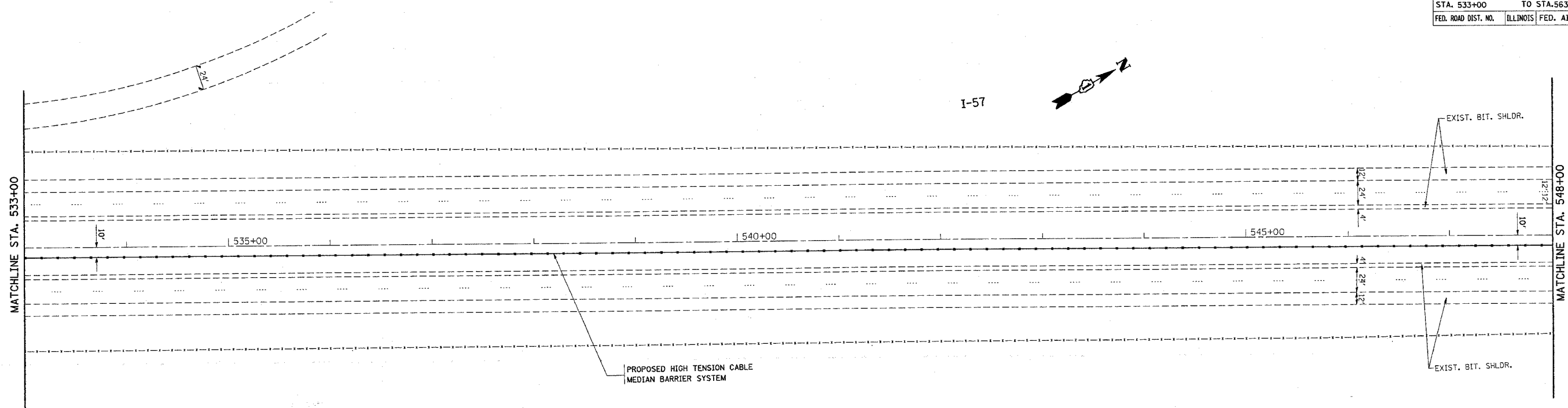
SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE 1/4/2006

DRAWN BY
CHECKED BY

*REF-topo30
*REF-topo31

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	23
STA. 533+00		TO STA. 563+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLOT DATE = 1/4/2006
FILE NAME = c:\p\projects\127805\sh-rdwy-ss.dgn
PLOT SCALE = 66.0000 / 1 IN.
USER NAME = lusehert

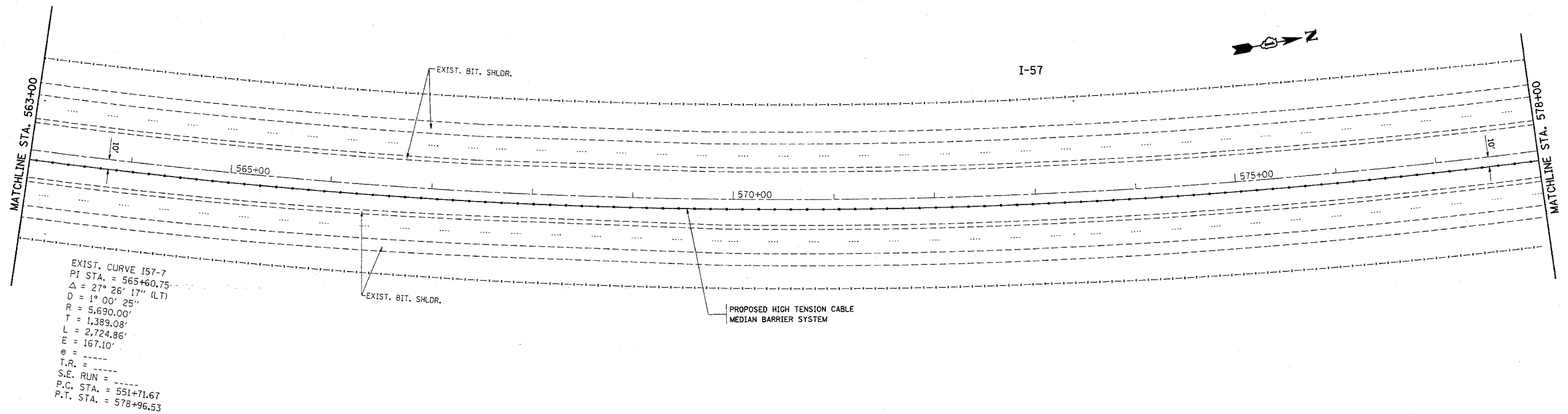
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-57 (I-80 TO COUNTY LINE RD.)
PROPOSED PLAN
SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE 1/4/2006
DRAWN BY
CHECKED BY

*REF-Ap032

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	24
STA. 563+00		TO STA. 578+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-57 (I-80 TO COUNTY LINE RD.)
 PROPOSED PLAN

SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE 1/4/2006

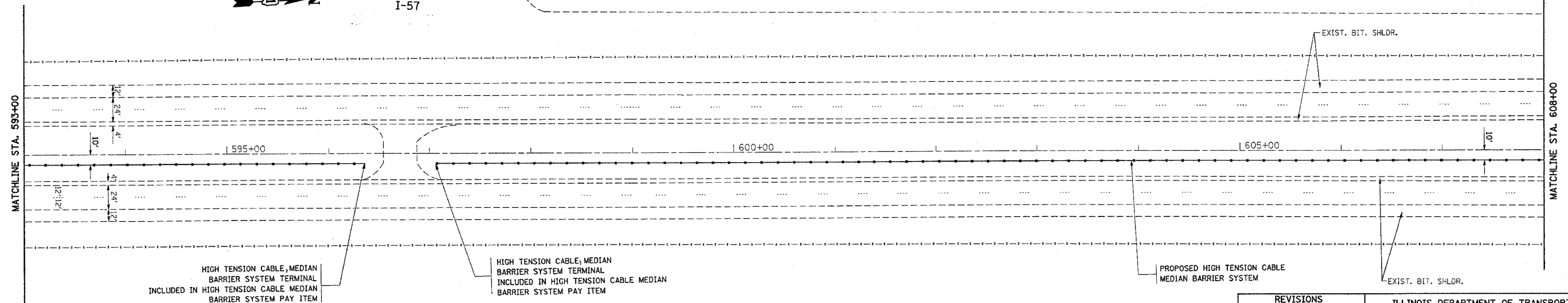
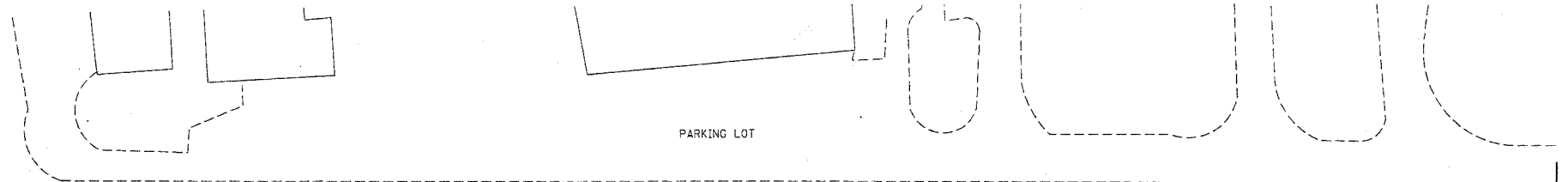
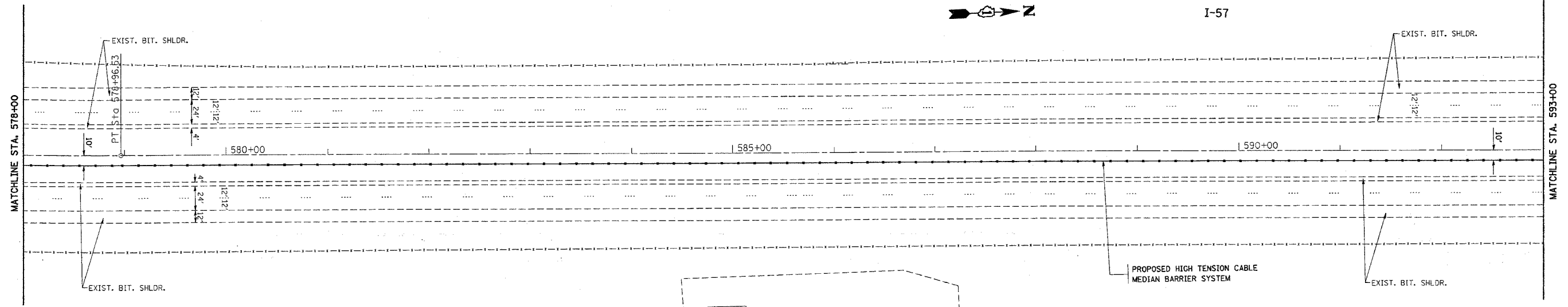
DRAWN BY
 CHECKED BY

DATE = 1/4/2006
 FILE NAME = C:\p\2005\1127005\sh-dwg-aad.dgn
 PLOT SCALE = 56.0000 / IN.
 USER NAME = jnszkrf

*REF-topo33
*REF-topo34

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	25
STA. 578+00		TO STA. 608+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



HIGH TENSION CABLE, MEDIAN BARRIER SYSTEM TERMINAL INCLUDED IN HIGH TENSION CABLE MEDIAN BARRIER SYSTEM PAY ITEM

HIGH TENSION CABLE, MEDIAN BARRIER SYSTEM TERMINAL INCLUDED IN HIGH TENSION CABLE MEDIAN BARRIER SYSTEM PAY ITEM

PROPOSED HIGH TENSION CABLE MEDIAN BARRIER SYSTEM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-57 (I80 TO COUNTY LINE RD.)
PROPOSED PLAN

SCALE: VERT. 1"=50'
HORIZ. DATE 1/4/2006

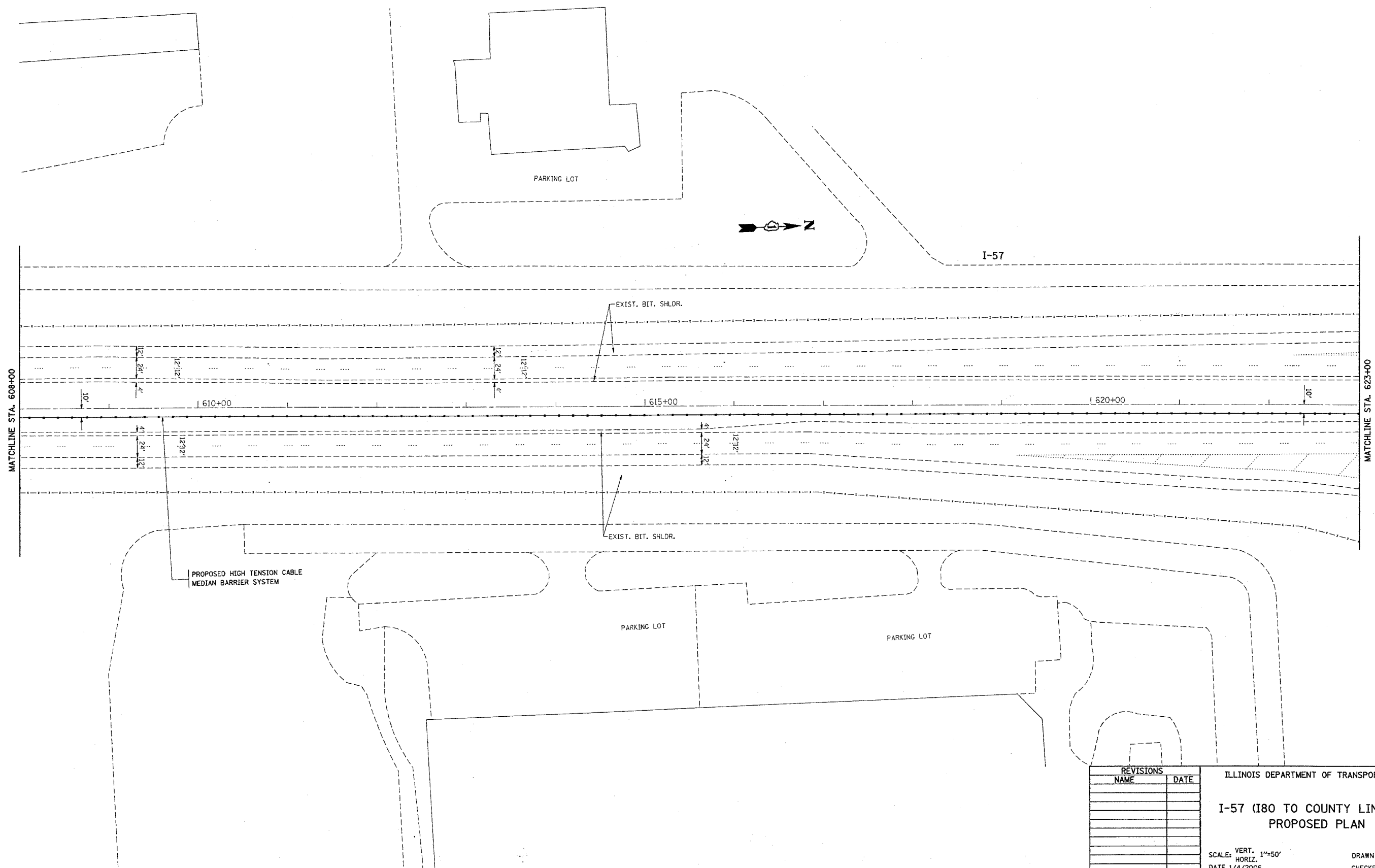
DRAWN BY
CHECKED BY

PLT DATE = 1/4/2006
FILE NAME = o:\Projects\127085\ah_rdg_ab.dgn
USER NAME = llsabnr

*REF-topo35

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	26
STA. 608+00		TO STA.623+00		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



PLOT DATE = 1/4/2006
FILE NAME = c:\p\projects\271095\sh-rd\sh-ab.dgn
PLOT SCALE = 58.0000 / IN.
USER NAME = htwarrt

REVISIONS	
NAME	DATE

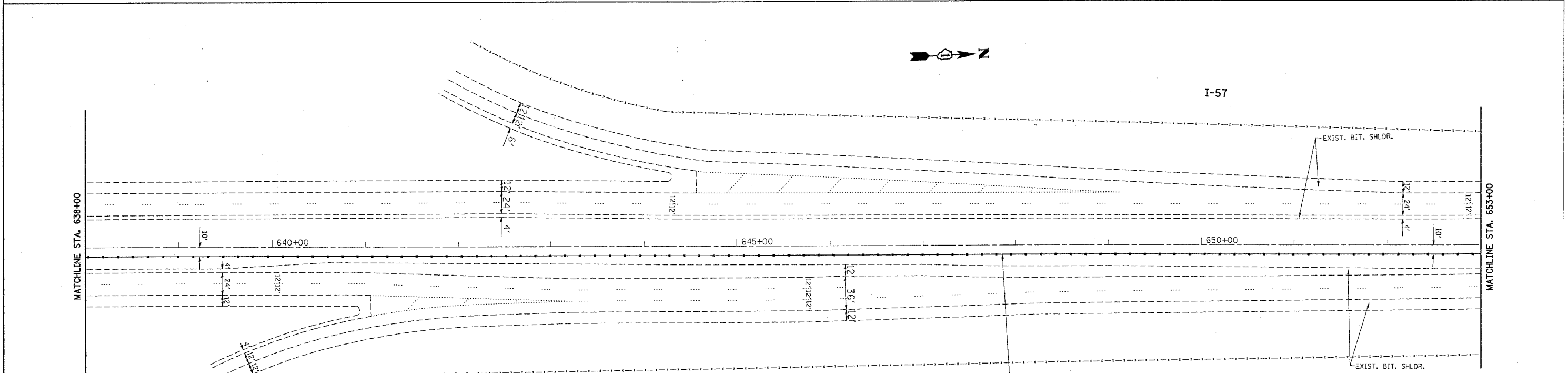
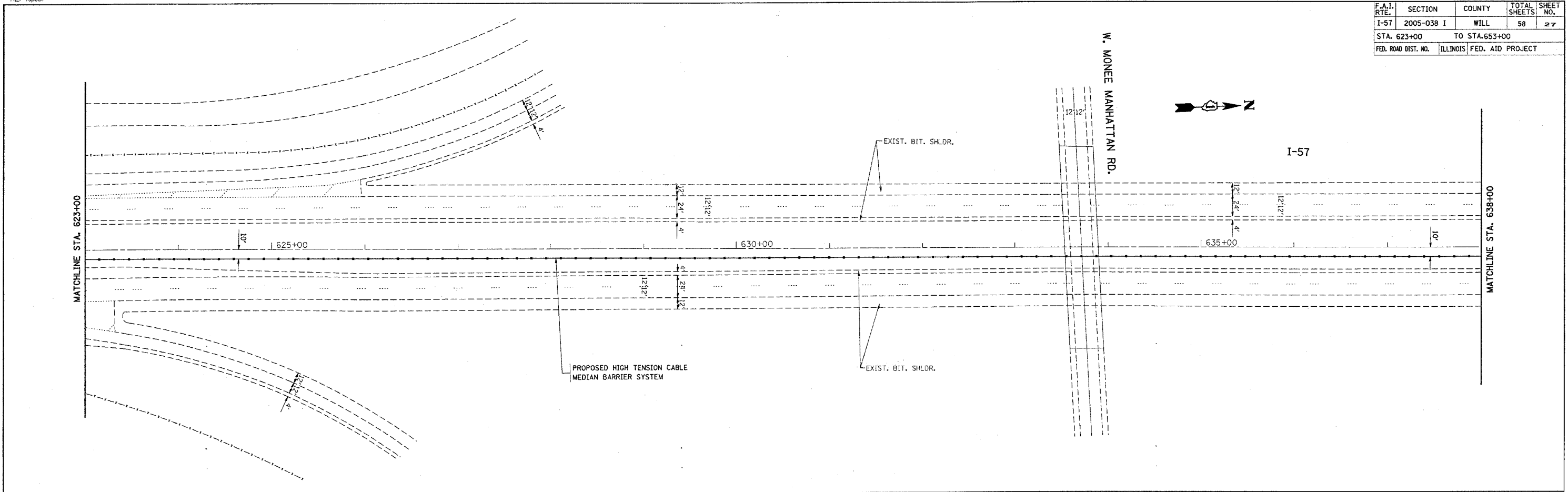
ILLINOIS DEPARTMENT OF TRANSPORTATION
I-57 (I80 TO COUNTY LINE RD.)
PROPOSED PLAN

VERT. 1"=50'
SCALE: HORIZ.
DATE 1/4/2006
DRAWN BY
CHECKED BY

*REF-topo36
*REF-topo37

CONTRACT NO. 60A09

F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	27
STA. 623+00		TO STA. 653+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



REVISIONS	
NAME	DATE

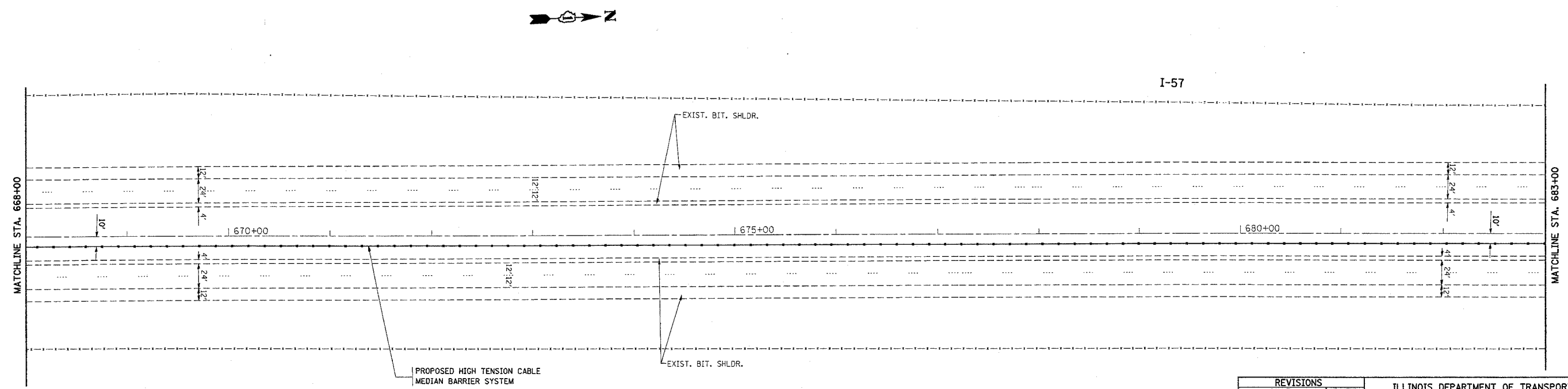
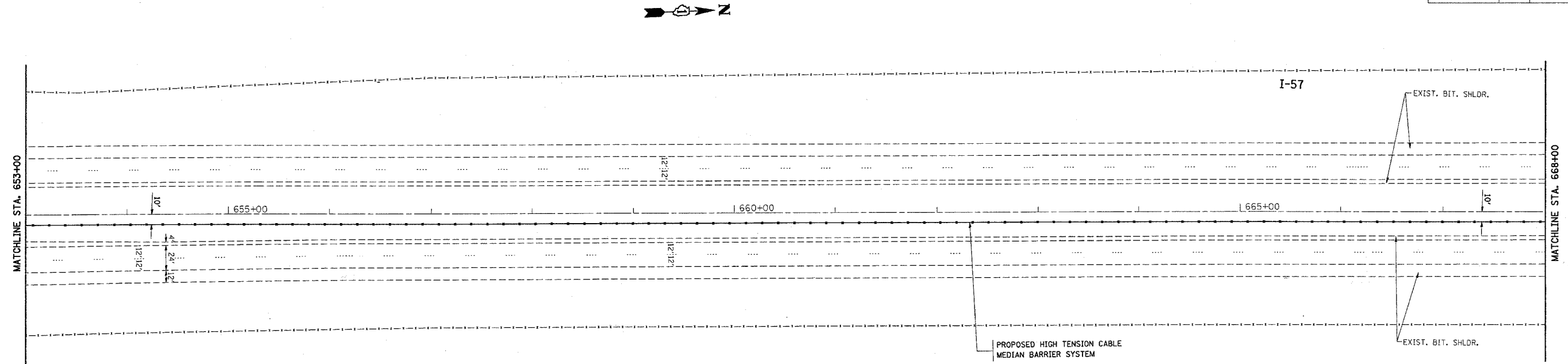
ILLINOIS DEPARTMENT OF TRANSPORTATION
I-57 (I80 TO COUNTY LINE RD.)
PROPOSED PLAN
SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE 1/4/2006
DRAWN BY
CHECKED BY

PLOT DATE = 1/4/2006
PLOT SCALE = 500000 / IN.
USER NAME = jzahruf

*REF-10px38
*REF-10px39

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	28
STA. 653+00		TO STA. 683+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLOT DATE = 1/4/2006
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PLOT SCALE = 58.0000 / IN.
USER NAME = ltaskerf

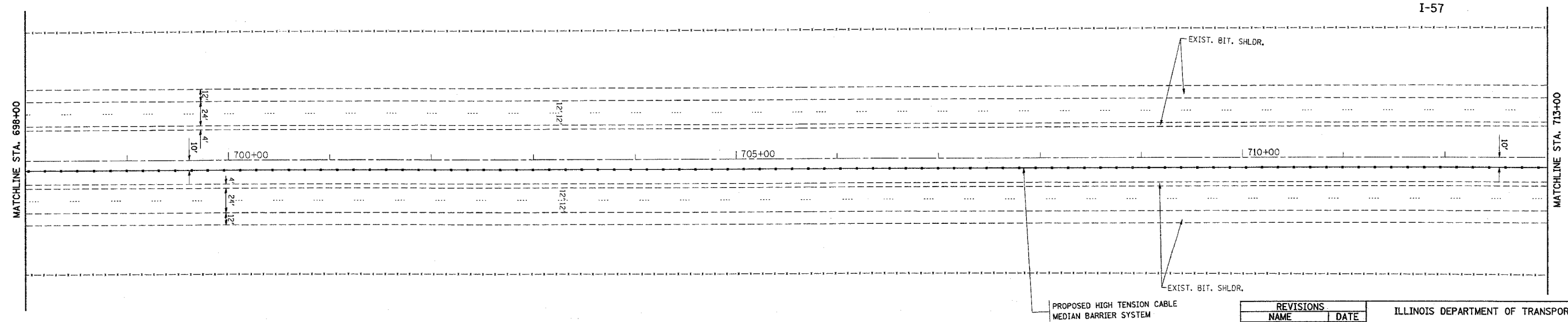
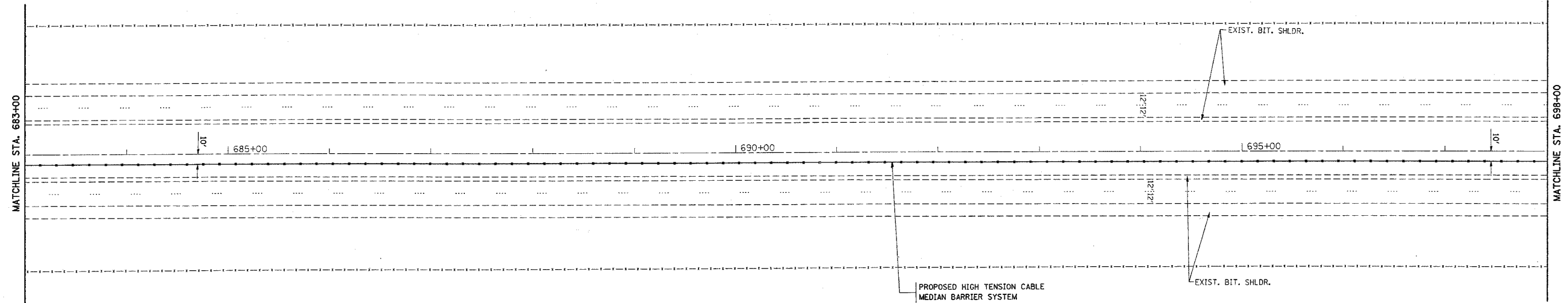
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-57 (I80 TO COUNTY LINE RD.)
PROPOSED PLAN**
SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE 1/4/2006
DRAWN BY
CHECKED BY

*REF-topo40
*REF-topo41

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	29
STA. 683+00		TO STA. 713+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLOT DATE = 1/4/2006
FILE NAME = c:\projects\ad27005\ah_r_djy\abldgn
USER NAME = libshar

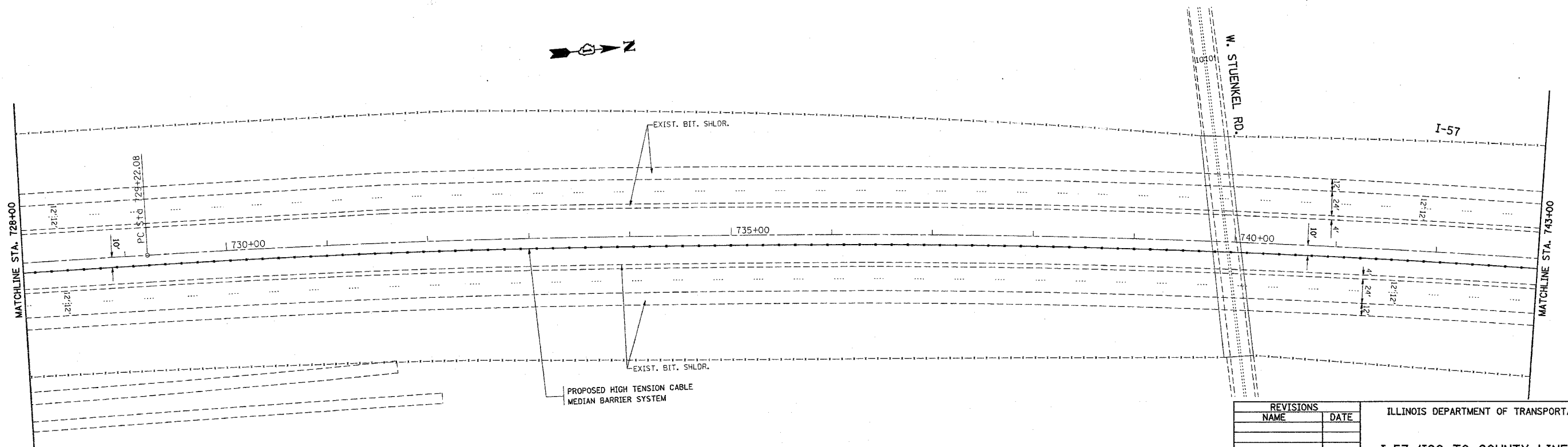
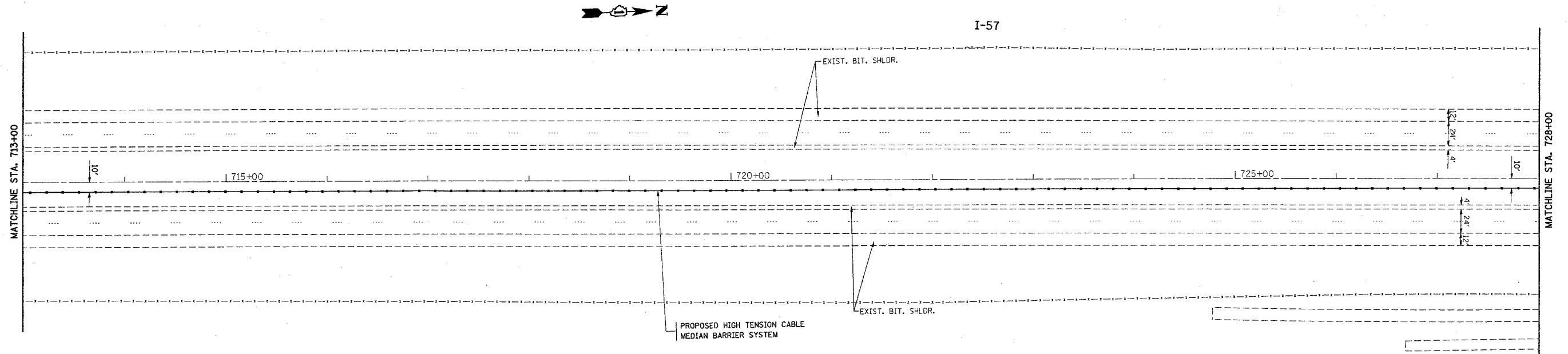
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-57 (I80 TO COUNTY LINE RD.)
PROPOSED PLAN
SCALE: VERT. 1"=50'
HORIZ. DATE 1/4/2006
DRAWN BY
CHECKED BY

*REF-100042
*REF-100043

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	30
STA. 713+00		TO STA. 743+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLOT DATE = 1/4/2006
FILE NAME = c:\p\projects\1277865\sh-c\sh-ab.dgn
PLOT SCALE = 1/8"=1'-0" / IN.
USER NAME = janzakrf

REVISIONS	
NAME	DATE

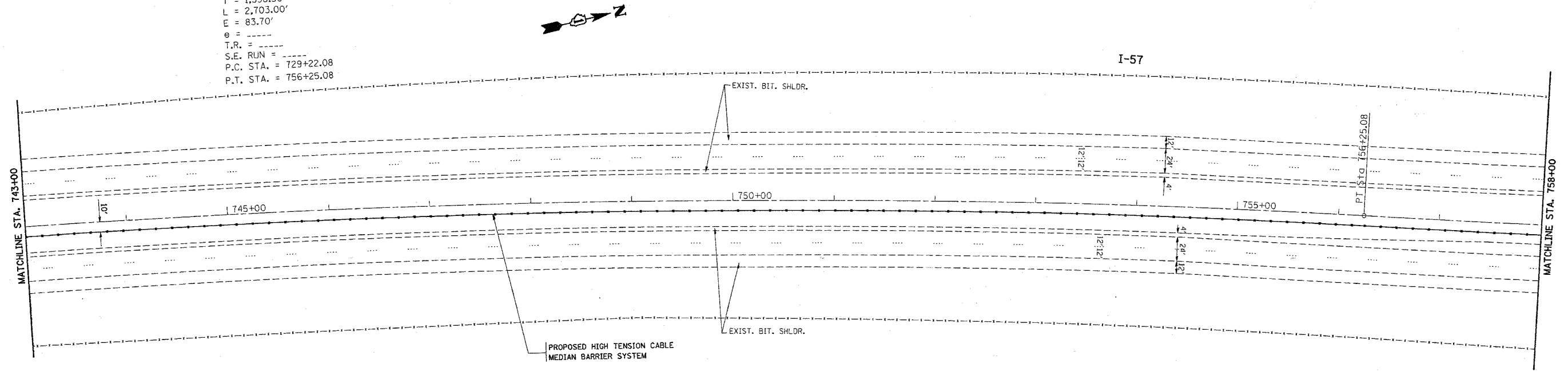
ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-57 (I80 TO COUNTY LINE RD.)
PROPOSED PLAN**
SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE 1/4/2006
DRAWN BY
CHECKED BY

*REF-topo44
*REF-topo45

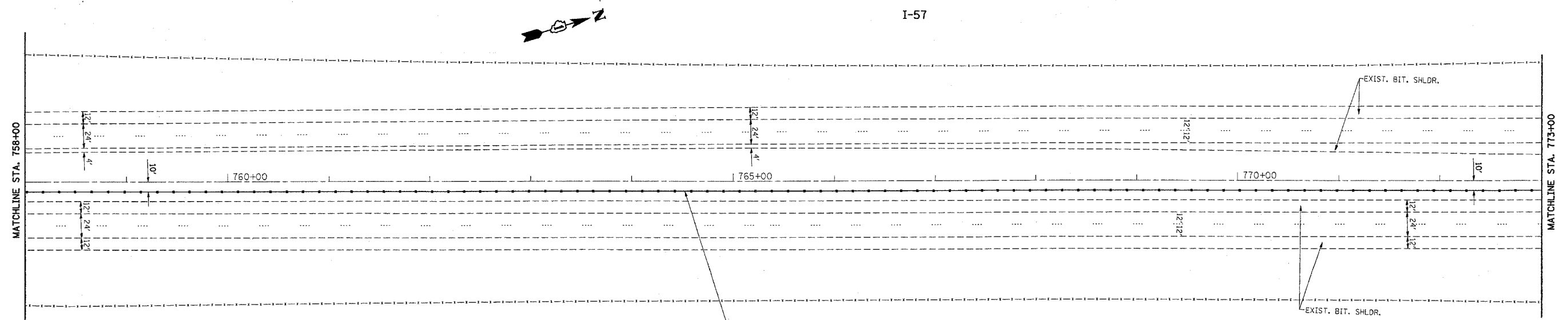
CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	31
STA. 743+00		TO STA. 773+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXIST. CURVE I57-8
PI STA. = 742+80.45
 $\Delta = 14^\circ 06' 17''$ (RT)
D = $0^\circ 31' 19''$
R = 10,980.00'
T = 1,358.36'
L = 2,703.00'
E = 83.70'
e = ----
T.R. = ----
S.E. RUN = ----
P.C. STA. = 729+22.08
P.T. STA. = 756+25.08



I-57



PROPOSED HIGH TENSION CABLE
MEDIAN BARRIER SYSTEM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-57 (I80 TO COUNTY LINE RD.)
PROPOSED PLAN

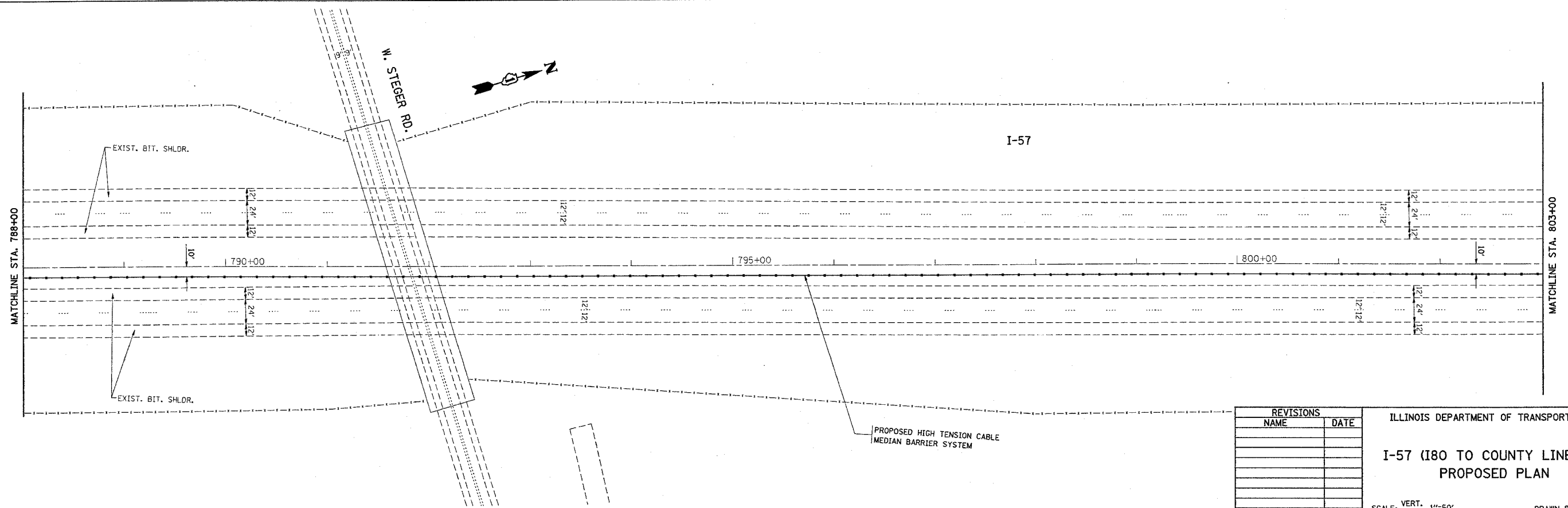
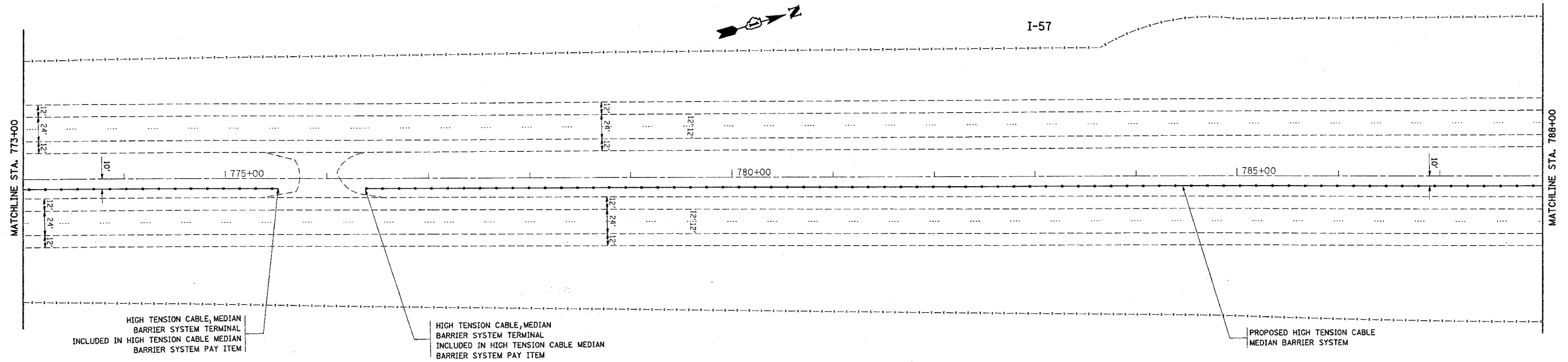
SCALE: VERT. 1"=50'
HORIZ. DATE 1/4/2006
DRAWN BY
CHECKED BY

PLOT DATE = 1/4/2006
FILE NAME = s:\p\c\mets\dl27805\sh_rdy_ab.dgn
PLOT SCALE = 50.0000' / IN.
USER NAME = lisenhart

*REF-100046
*REF-100047

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	32
STA. 773+00		TO STA. 803+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLOT DATE = 1/4/2006
PLOT SCALE = 5/8" = 1'-0"
USER NAME = hasekuf

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-57 (I80 TO COUNTY LINE RD.)
PROPOSED PLAN

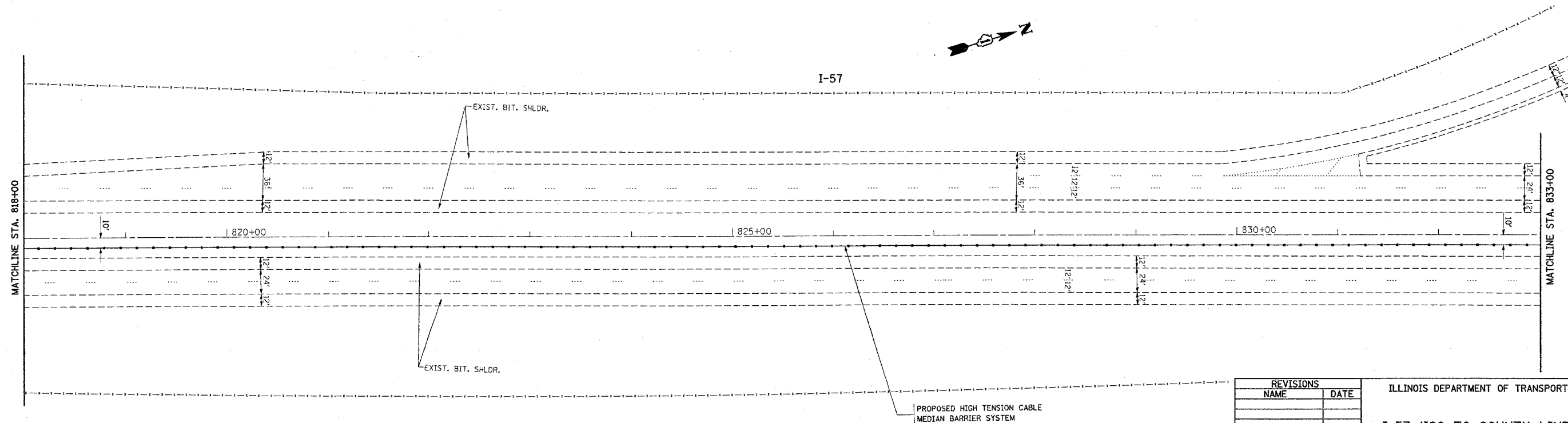
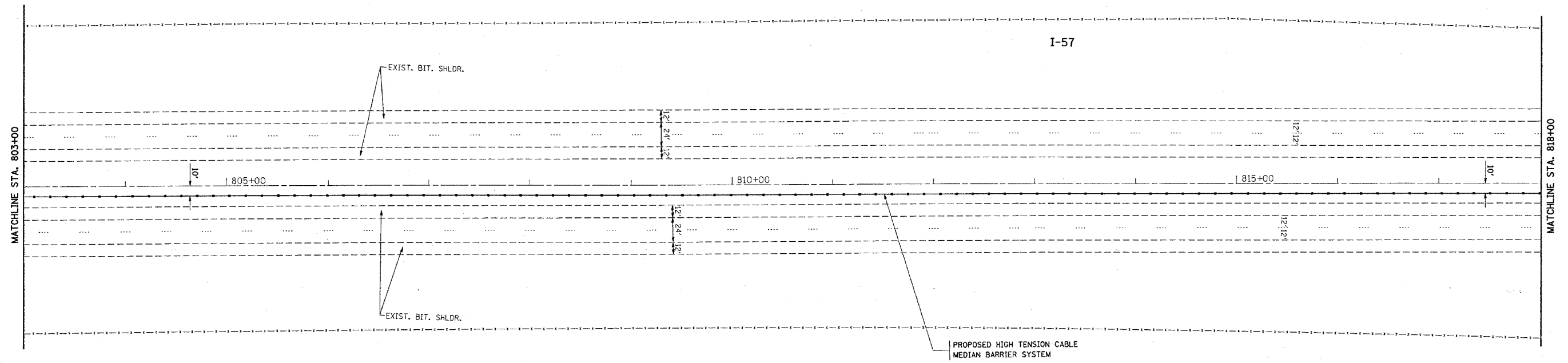
SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE 1/4/2006

DRAWN BY
CHECKED BY

*REF-100048
*REF-100049

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	33
STA. 803+00		TO STA. 833+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLOT DATE = 1/4/2006
FILE NAME = c:\projects\1127985\ah.rdy.ab.dgn
PLOT SCALE = 50.0000 / IN.
USER NAME = jlsakr

REVISIONS	
NAME	DATE

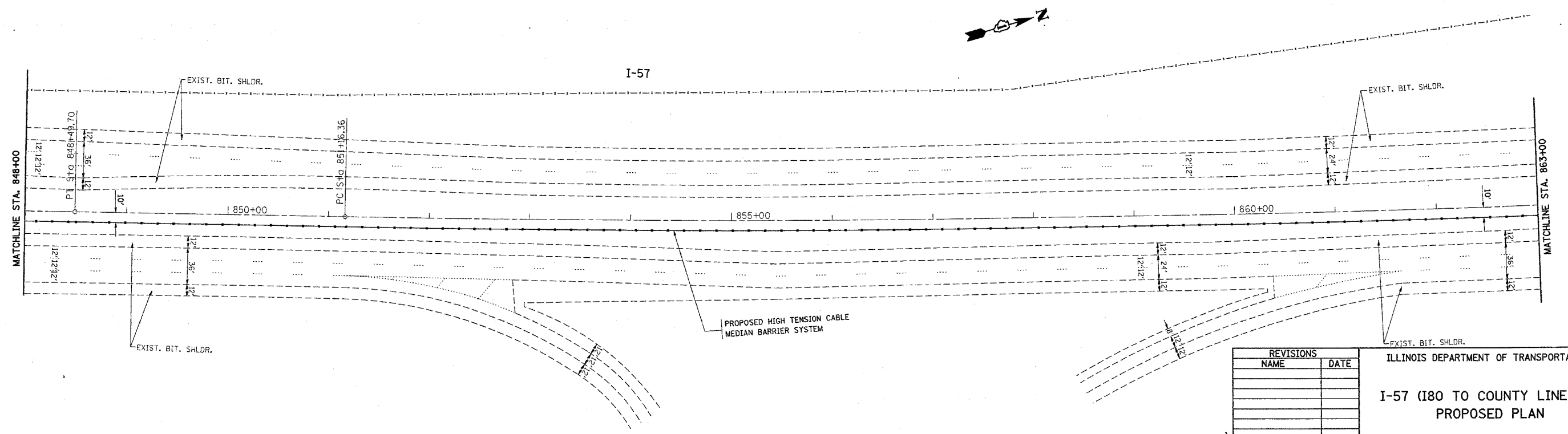
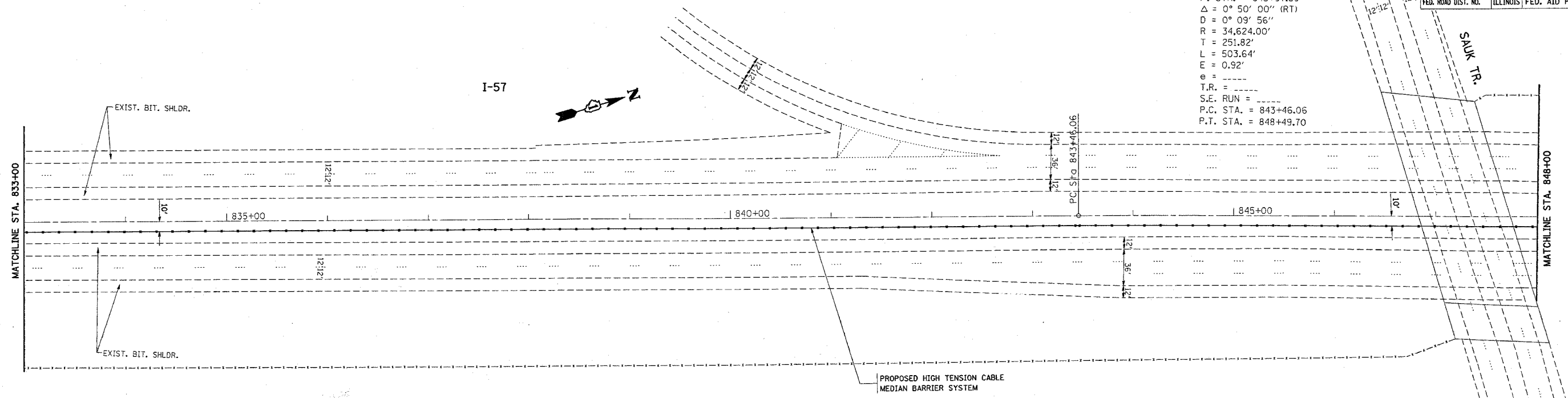
ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-57 (I80 TO COUNTY LINE RD.)
PROPOSED PLAN**
SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE 1/4/2006
DRAWN BY
CHECKED BY

*REF-top050
*REF-top051

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	34
STA. 833+00		TO STA. 863+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXIST. CURVE I57-9
 P.I. STA. = 845+97.89
 $\Delta = 0^\circ 50' 00''$ (RT)
 $D = 0^\circ 09' 56''$
 $R = 34,624.00'$
 $T = 251.82'$
 $L = 503.64'$
 $E = 0.92'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 843+46.06$
 $P.T. STA. = 848+49.70$



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-57 (I80 TO COUNTY LINE RD.)
 PROPOSED PLAN

SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE 1/4/2006
 DRAWN BY
 CHECKED BY

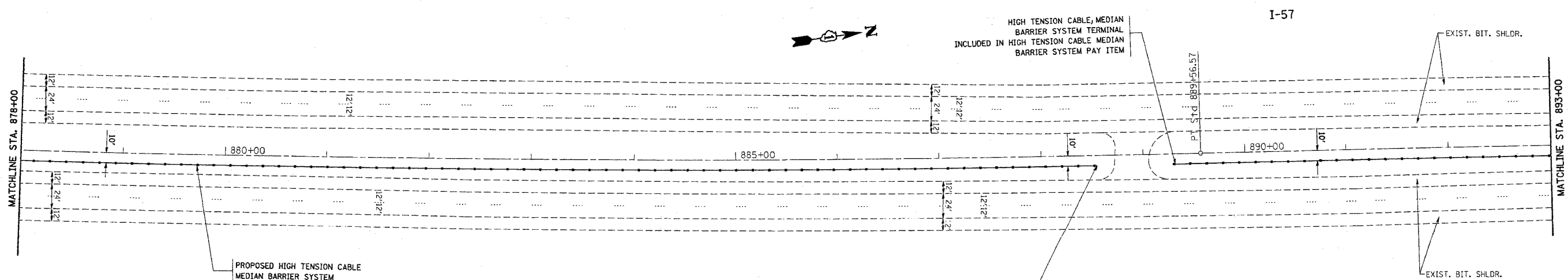
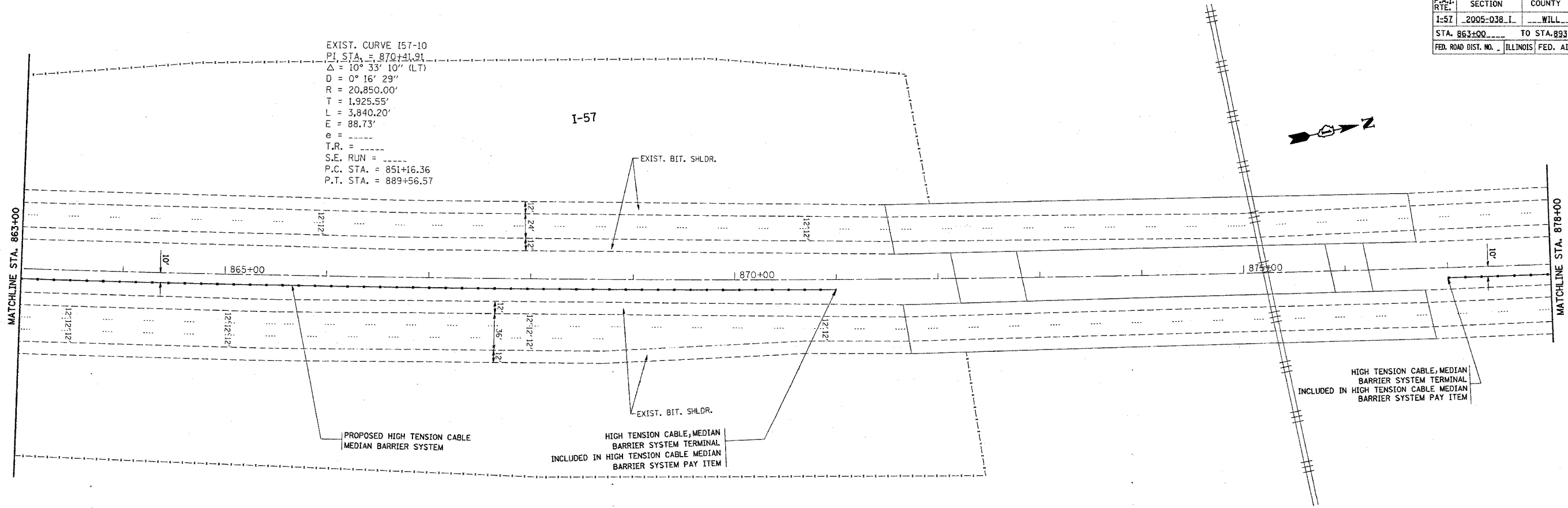
PLT DATE = 1/4/2006
 FILE NAME = c:\p\proj\va\27605\sh_rdy_ab.dgn
 USER = j...
 USER NAME = j...

*REF-topo52
*REF-topo53

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	35
STA. 863+00		TO STA. 893+00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

EXIST. CURVE I57-10
PI STA. = 870+41.91
 $\Delta = 10^{\circ} 33' 10''$ (LT)
D = 0° 16' 29"
R = 20,850.00'
T = 1,925.55'
L = 3,840.20'
E = 88.73'
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 851+16.36
P.T. STA. = 889+56.57



PLOT DATE = 1/4/2006
FILE NAME = c:\p\proj\secta\127685\ah_rdg_ab.dgn
PLOT SCALE = 500.0000 / IN.
USER NAME = lrazehrf

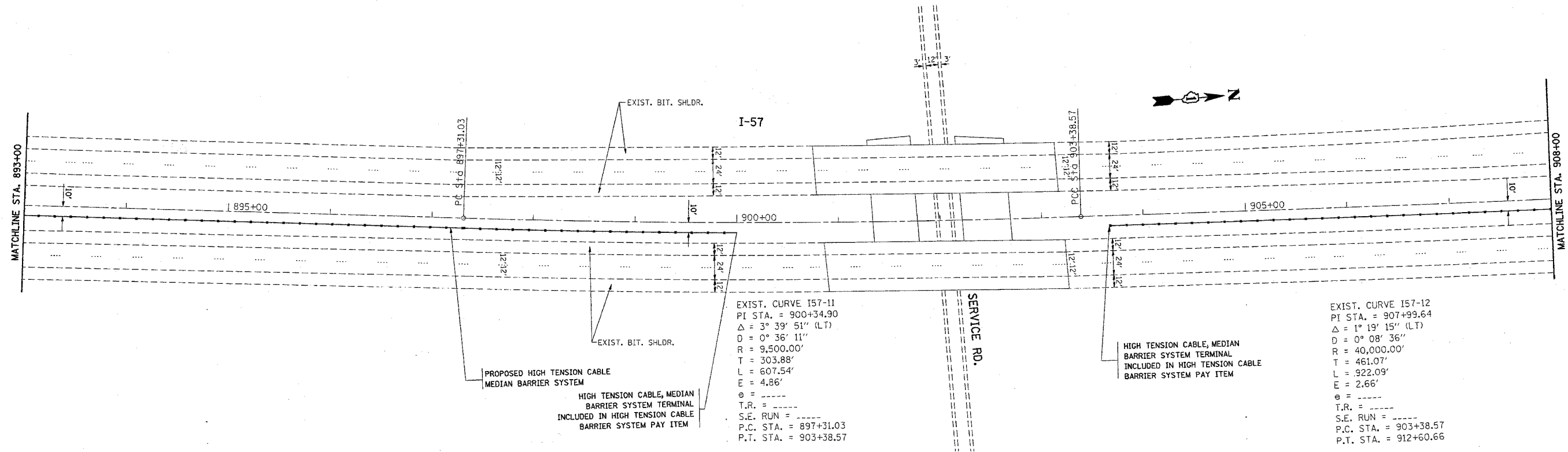
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-57 (I80 TO COUNTY LINE RD.)
PROPOSED PLAN**
SCALE: VERT. 1"=50'
HORIZ. DATE 1/4/2006
DRAWN BY
CHECKED BY

*REF-10px54
*REF-10px55

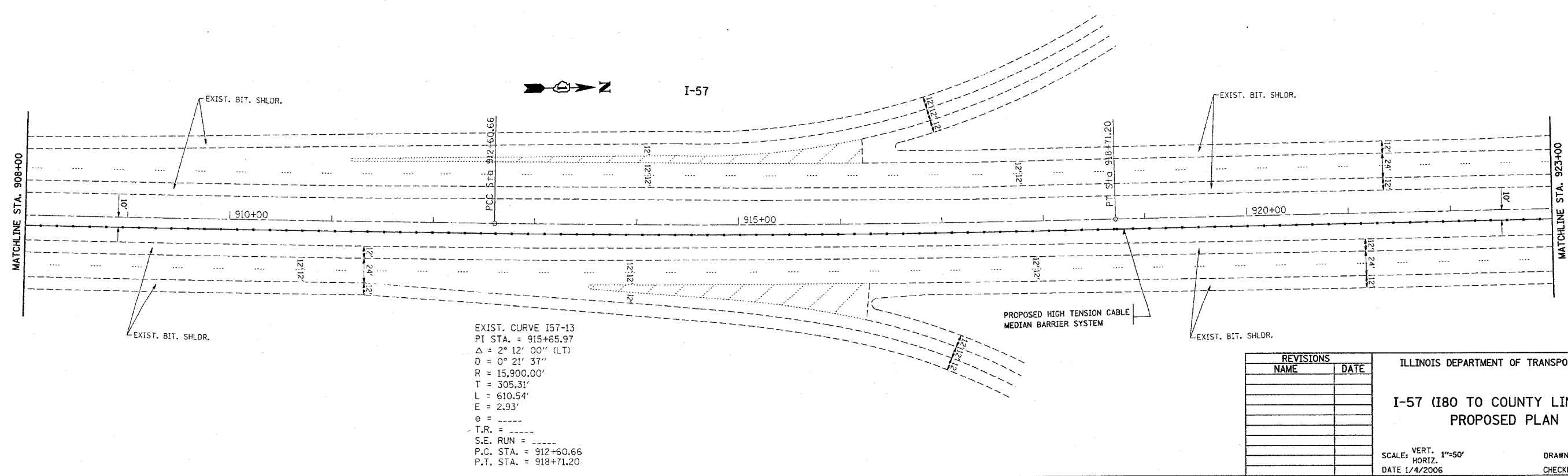
CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038.L	WILL	58	36
STA. 893+00		TO STA. 923+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



EXIST. CURVE I57-11
PI STA. = 900+34.90
 $\Delta = 3^\circ 39' 51''$ (LT)
D = $0^\circ 36' 11''$
R = 9,500.00'
T = 303.88'
L = 607.54'
E = 4.86'
 $\theta =$ -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 897+31.03
P.T. STA. = 903+38.57

EXIST. CURVE I57-12
PI STA. = 907+99.64
 $\Delta = 1^\circ 19' 15''$ (LT)
D = $0^\circ 08' 36''$
R = 40,000.00'
T = 461.07'
L = 922.09'
E = 2.66'
 $\theta =$ -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 903+38.57
P.T. STA. = 912+60.66



EXIST. CURVE I57-13
PI STA. = 915+65.97
 $\Delta = 2^\circ 12' 00''$ (LT)
D = $0^\circ 21' 37''$
R = 15,900.00'
T = 305.31'
L = 610.54'
E = 2.93'
 $\theta =$ -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 912+60.66
P.T. STA. = 918+71.20

REVISIONS	
NAME	DATE

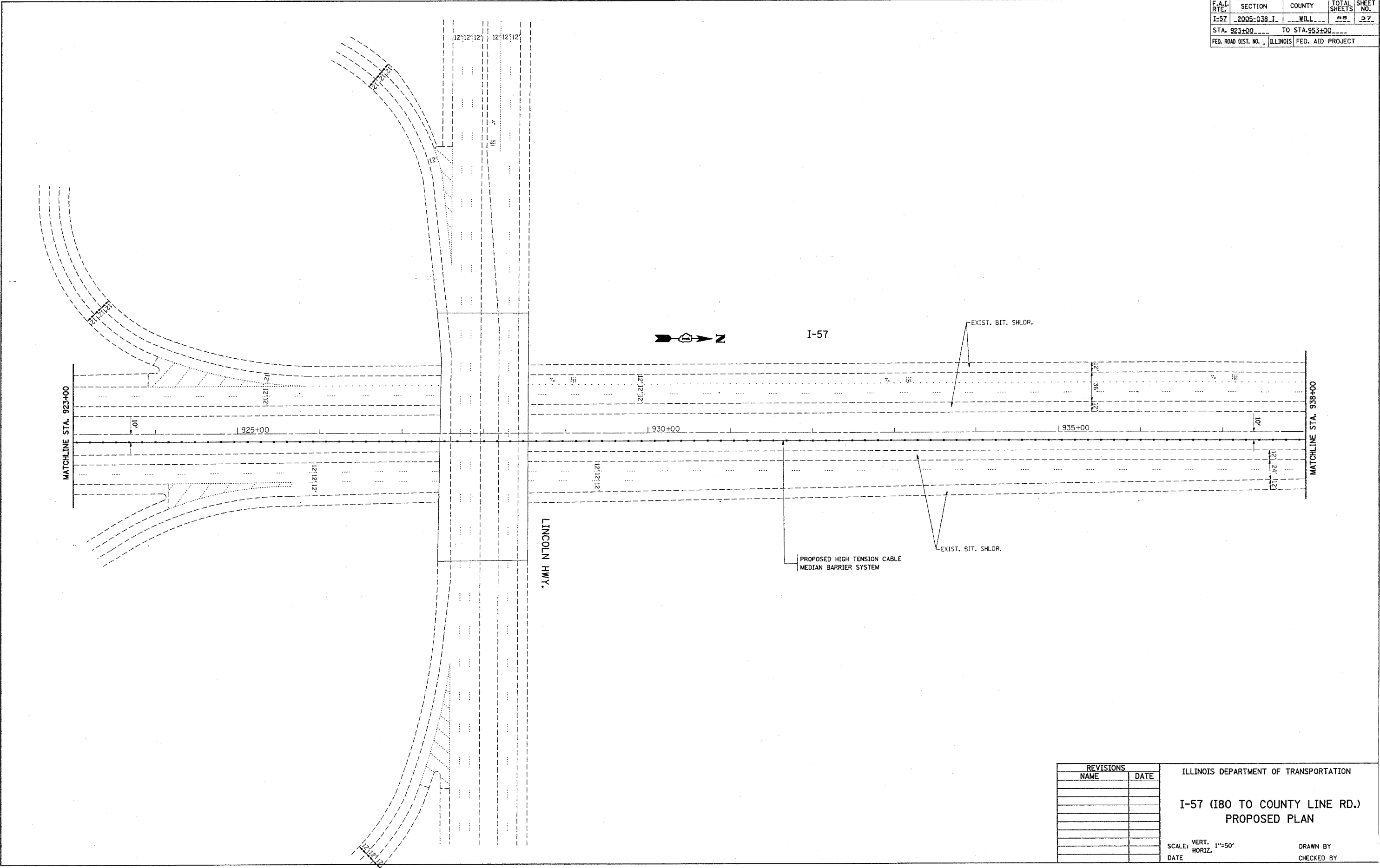
ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-57 (I80 TO COUNTY LINE RD.)
PROPOSED PLAN**
SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE 1/4/2006
DRAWN BY
CHECKED BY

PLOT DATE = 1/4/2006
FILE NAME = s:\V\c\ees\ad27805\m\rdy\ab.dgn
PLOT SCALE = 50.0000' / IN.
USER NAME = lisaakr

*REF-top056

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I.	WILL	58	37
STA. 923+00			TO STA. 933+00	
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	



PLOT DATE = 1/4/2006
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 USER NAME = ltrschrf

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**I-57 (I80 TO COUNTY LINE RD.)
 PROPOSED PLAN**

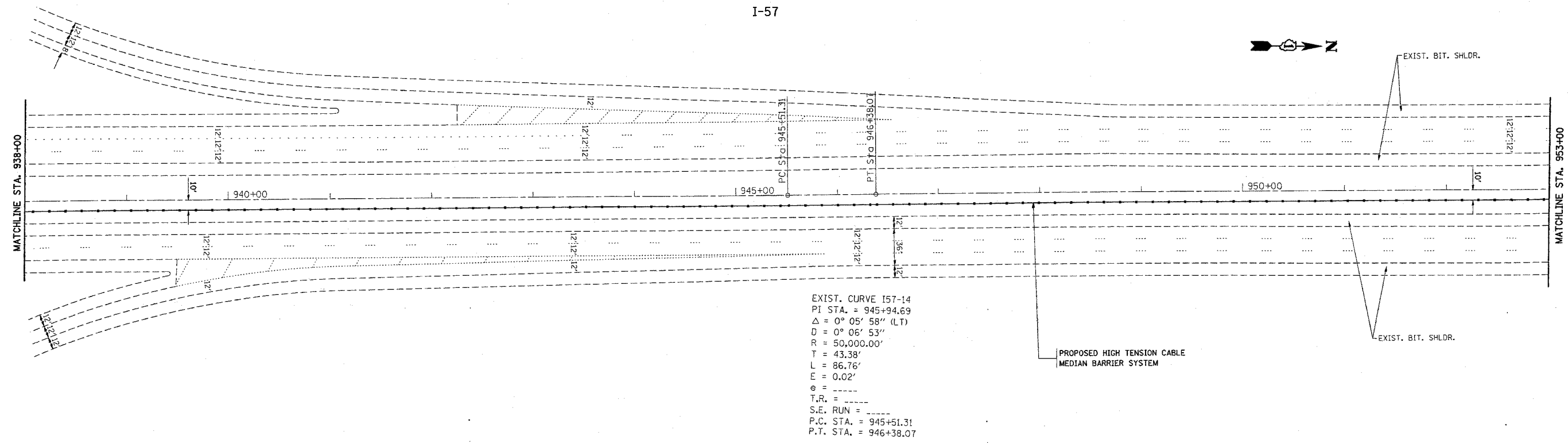
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 HORIZ. 1"=50'

DATE _____ DRAWN BY _____
 CHECKED BY _____

REF-topo35
REF-topo36

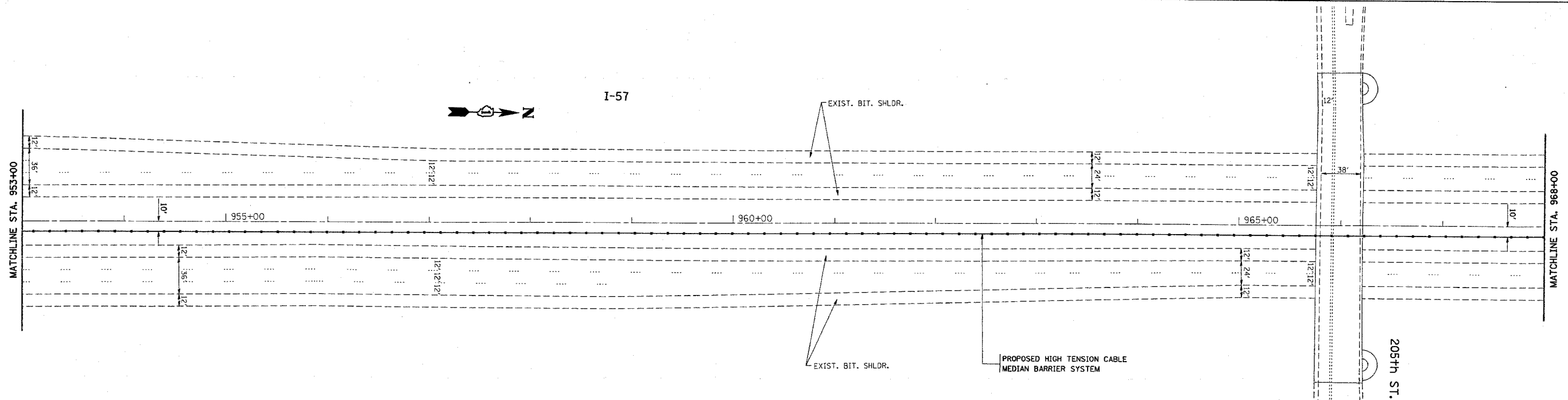
CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	38
STA. 938+00		TO STA. 968+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



EXIST. CURVE I57-14
 PI STA. = 945+94.69
 $\Delta = 0^\circ 05' 58''$ (LT)
 $D = 0^\circ 06' 53''$
 $R = 50,000.00'$
 $T = 43.38'$
 $L = 86.76'$
 $E = 0.02'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 945+51.31$
 $P.T. STA. = 946+38.07$

PROPOSED HIGH TENSION CABLE
 MEDIAN BARRIER SYSTEM



PROPOSED HIGH TENSION CABLE
 MEDIAN BARRIER SYSTEM

REVISIONS	
NAME	DATE

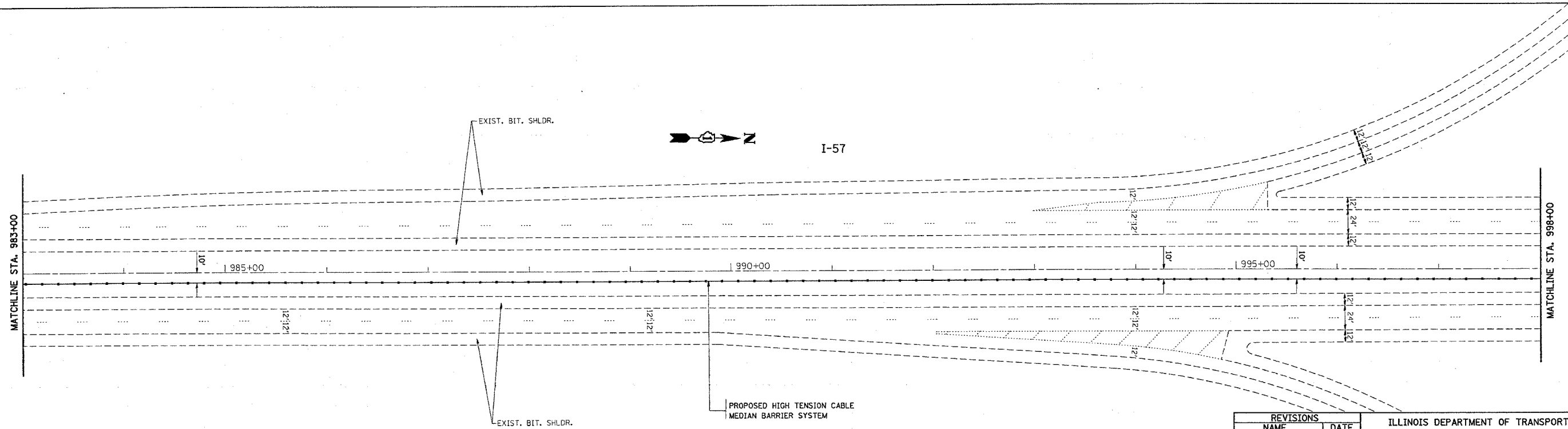
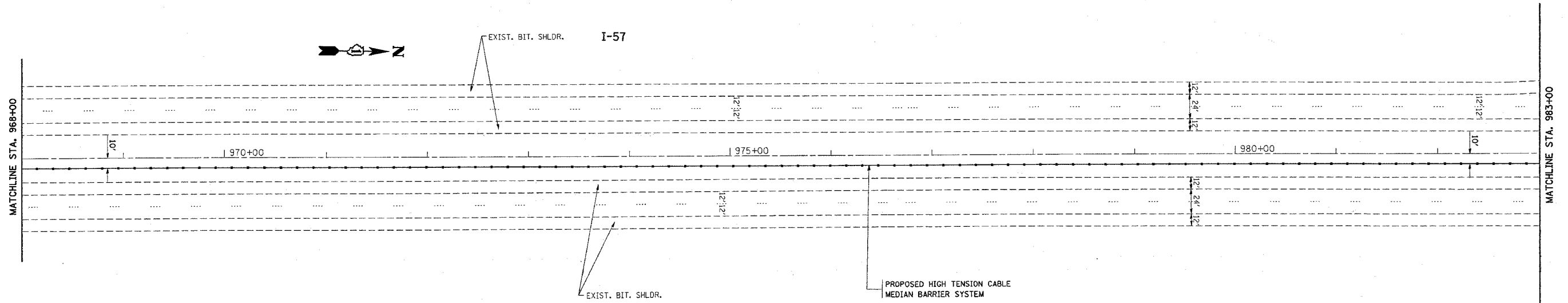
ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-57 (I80 TO COUNTY LINE RD.)
 PROPOSED PLAN
 SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE 1/4/2006
 DRAWN BY
 CHECKED BY

PLOT DATE = 1/4/2006
 FILE NAME = c:\pcc\projects\127886\sh_rdy_ab.dgn
 PLOT SCALE = 1/4"=50' / IN.
 USER NAME = janzhof

*REF-10035
*REF-10036

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	39
STA. 968+00		TO STA. 998+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLOT DATE = 1/4/2006
PLOT SCALE = 1/4"=50'
USER NAME = jzazakrf

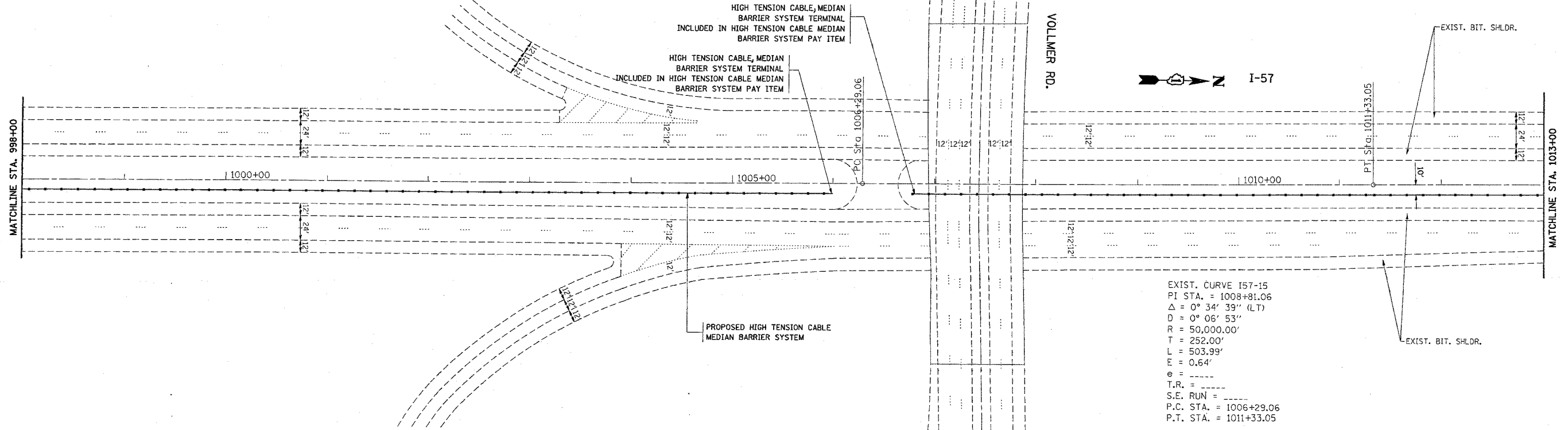
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
I-57 (I80 TO COUNTY LINE RD.)
PROPOSED PLAN
SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE 1/4/2006
DRAWN BY
CHECKED BY

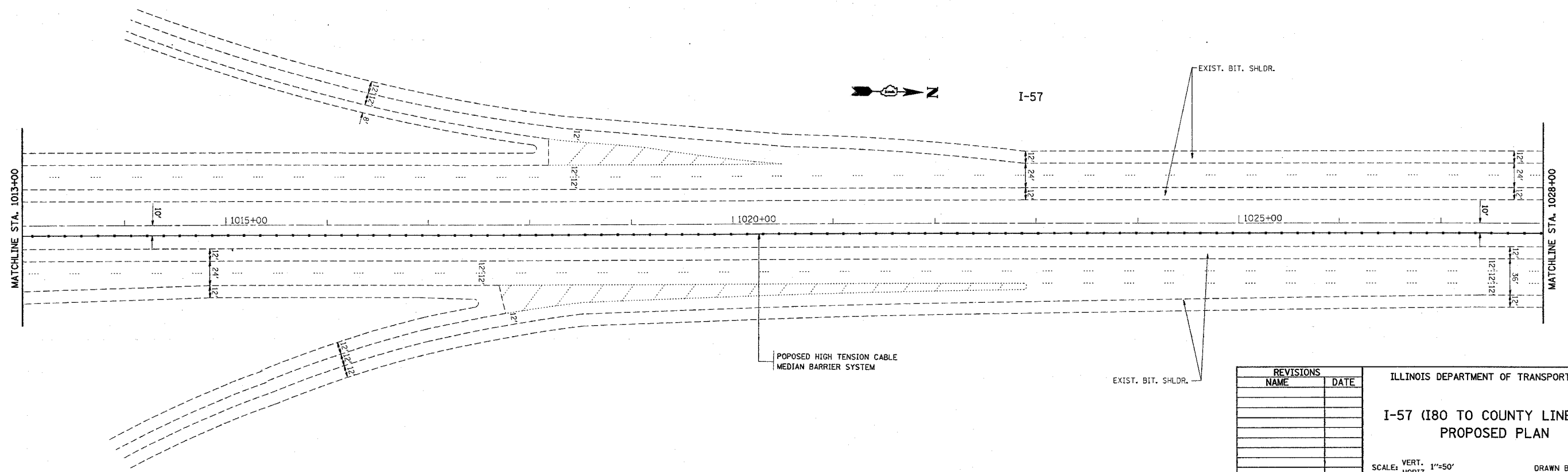
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CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	40
STA. 998+00		TO STA. 1028+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



EXIST. CURVE I57-15
 PI STA. = 1008+81.06
 $\Delta = 0^\circ 34' 39''$ (LT)
 $D = 0^\circ 06' 53''$
 $R = 50,000.00'$
 $T = 252.00'$
 $L = 503.99'$
 $E = 0.64'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 1006+29.06$
 $P.T. STA. = 1011+33.05$



REVISIONS	
NAME	DATE

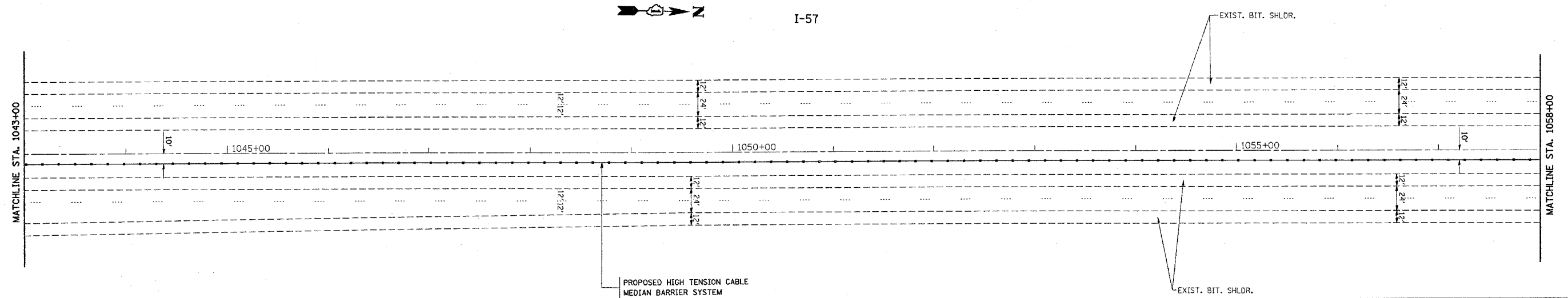
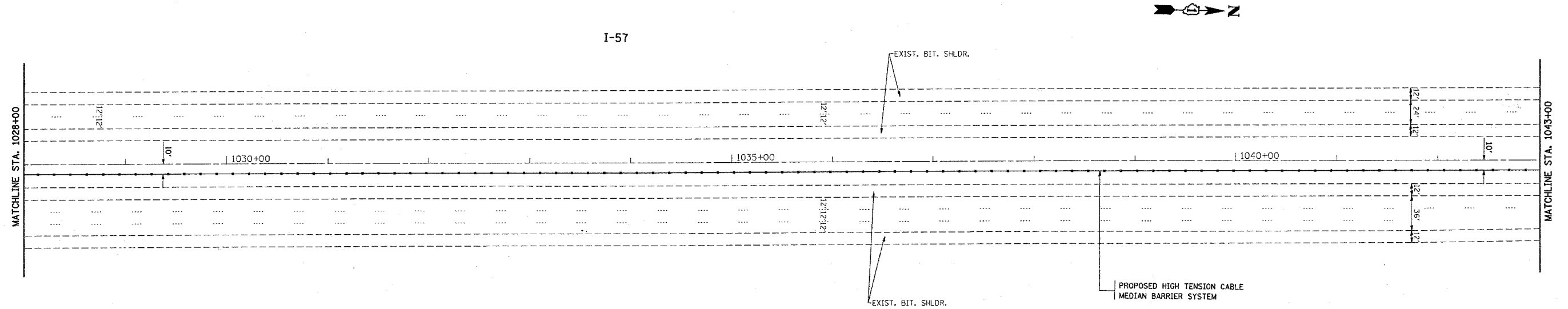
ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-57 (I80 TO COUNTY LINE RD.)
 PROPOSED PLAN
 SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE 1/4/2006
 DRAWN BY
 CHECKED BY

PLT DATE = 1/4/2006
 PLOT SCALE = 50.0000 / IN.
 USER NAME = jhsakhrf

*REF-top63
*REF-top64

CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	41
STA. 1028+00		TO STA. 1058+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLOT DATE = 1/4/2006
FILE NAME = c:\p\projects\1127885\sh_r-dwg-ab.dgn
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USER NAME = ljzabef

REVISIONS	
NAME	DATE

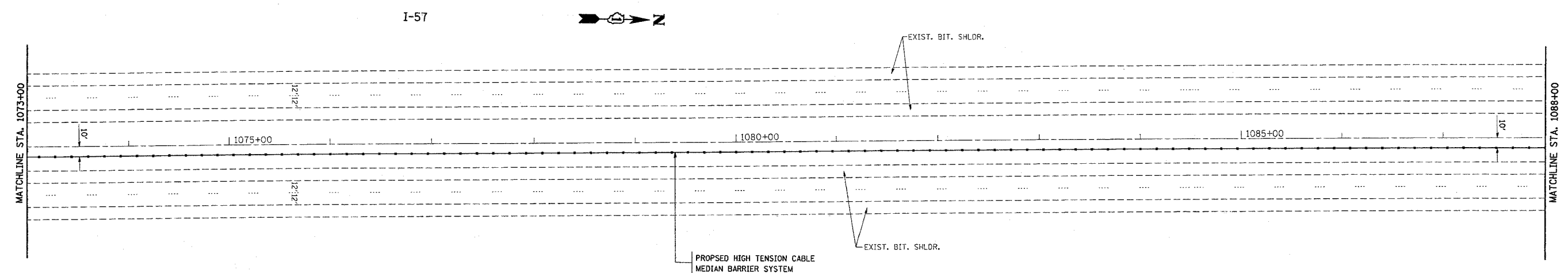
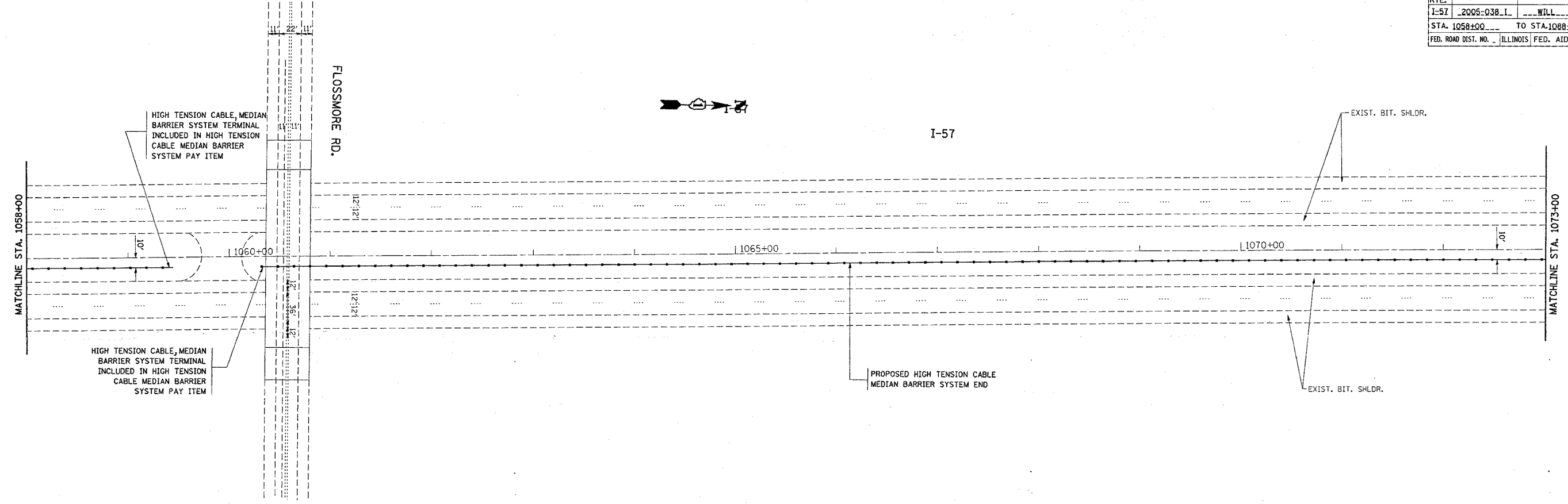
ILLINOIS DEPARTMENT OF TRANSPORTATION
**I-57 (I80 TO COUNTY LINE RD.)
PROPOSED PLAN**

SCALE: VERT. 1"=50'
HORIZ. 1"=50'
DATE 1/4/2006

DRAWN BY
CHECKED BY

CONTRACT NO. 60A09			
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS
I-57	2005-038 I	WILL	58
STA. 1058+00	TO STA. 1088+00		SHEET NO. 42
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

*REF-10p065
*REF-10p066



PLOT DATE = 1/4/2006
FILE NAME = I:\2005\127005\sh-rd-hp-end.dgn
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USER NAME = lraakof

REVISIONS	
NAME	DATE

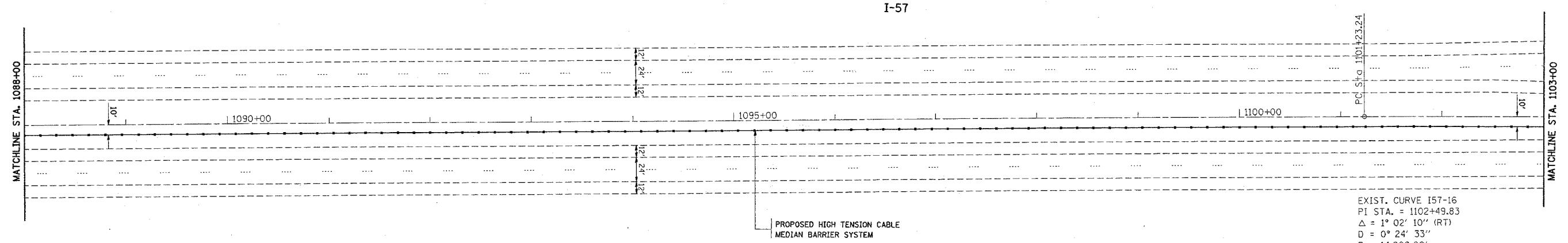
ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN I-57
(I-80 TO COUNTYLINE RD.)
PROPOSED PLAN

SCALE: VERT. 1"=50'
HORIZ.
DATE 1/4/2006
DRAWN BY
CHECKED BY

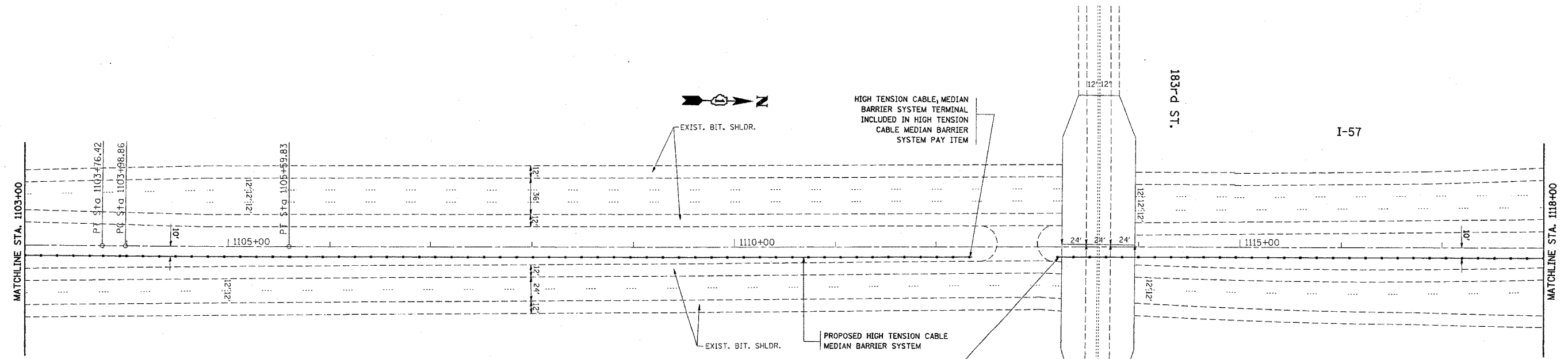
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CONTRACT NO. 60A09

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038.I	WILL	58	43
STA. 1088+00		TO STA. 1118+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



EXIST. CURVE I57-16
PI STA. = 1102+49.83
 Δ = 1° 02' 10" (RT)
D = 0° 24' 33"
R = 14,000.00'
T = 126.60'
L = 253.18'
E = 0.57'
 θ = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 1101+23.24
P.T. STA. = 1103+76.42



EXIST. CURVE I57-17
PI STA. = 1104+79.35
 Δ = 0° 36' 54" (LT)
D = 0° 22' 55"
R = 15,000.00'
T = 80.49'
L = 160.98'
E = 0.22'
 θ = -----
T.R. = -----
S.E. RUN = -----
P.C. STA. = 1103+98.86
P.T. STA. = 1105+59.83

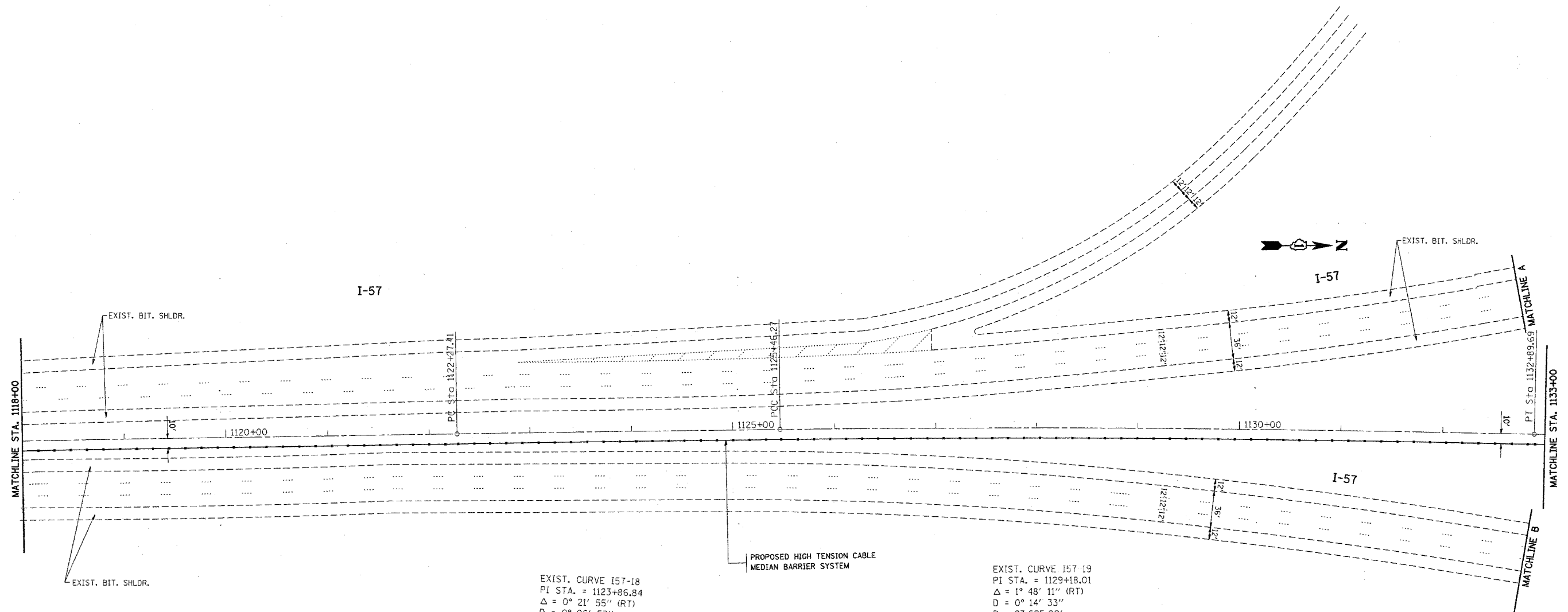
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN I-57
(I-80 TO COUNTYLINE RD.)
PROPOSED PLAN

SCALE: VERT. 1"=50'
HORIZ. DATE 1/4/2006
DRAWN BY
CHECKED BY

PLOT DATE = 1/4/2006
FILE NAME = c:\VPro\msta\1127885\m_r_dwg.dwg
PLOT SCALE = 50.0000 / IN.
USER NAME = lrasnerf

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038.L	WILL	58	44
STA. 1118+00 TO STA. 1133+00				
FED. ROAD DIST. NO. ILLINOIS			FED. AID PROJECT	



EXIST. CURVE 157-18
 PI STA. = 1123+86.84
 $\Delta = 0^\circ 21' 55''$ (RT)
 $D = 0^\circ 06' 53''$
 $R = 50,000.00'$
 $T = 159.43'$
 $L = 318.86'$
 $E = 0.25'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 1122+27.41$
 $P.T. STA. = 1125+46.27$

EXIST. CURVE 157-19
 PI STA. = 1129+18.01
 $\Delta = 1^\circ 48' 11''$ (RT)
 $D = 0^\circ 14' 33''$
 $R = 23,625.00'$
 $T = 371.74'$
 $L = 743.42'$
 $E = 2.92'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 1125+46.27$
 $P.T. STA. = 1132+89.69$

PLT DATE = 1/4/2006
 PLOT SCALE = 1"=50'
 USER NAME = lrazakr

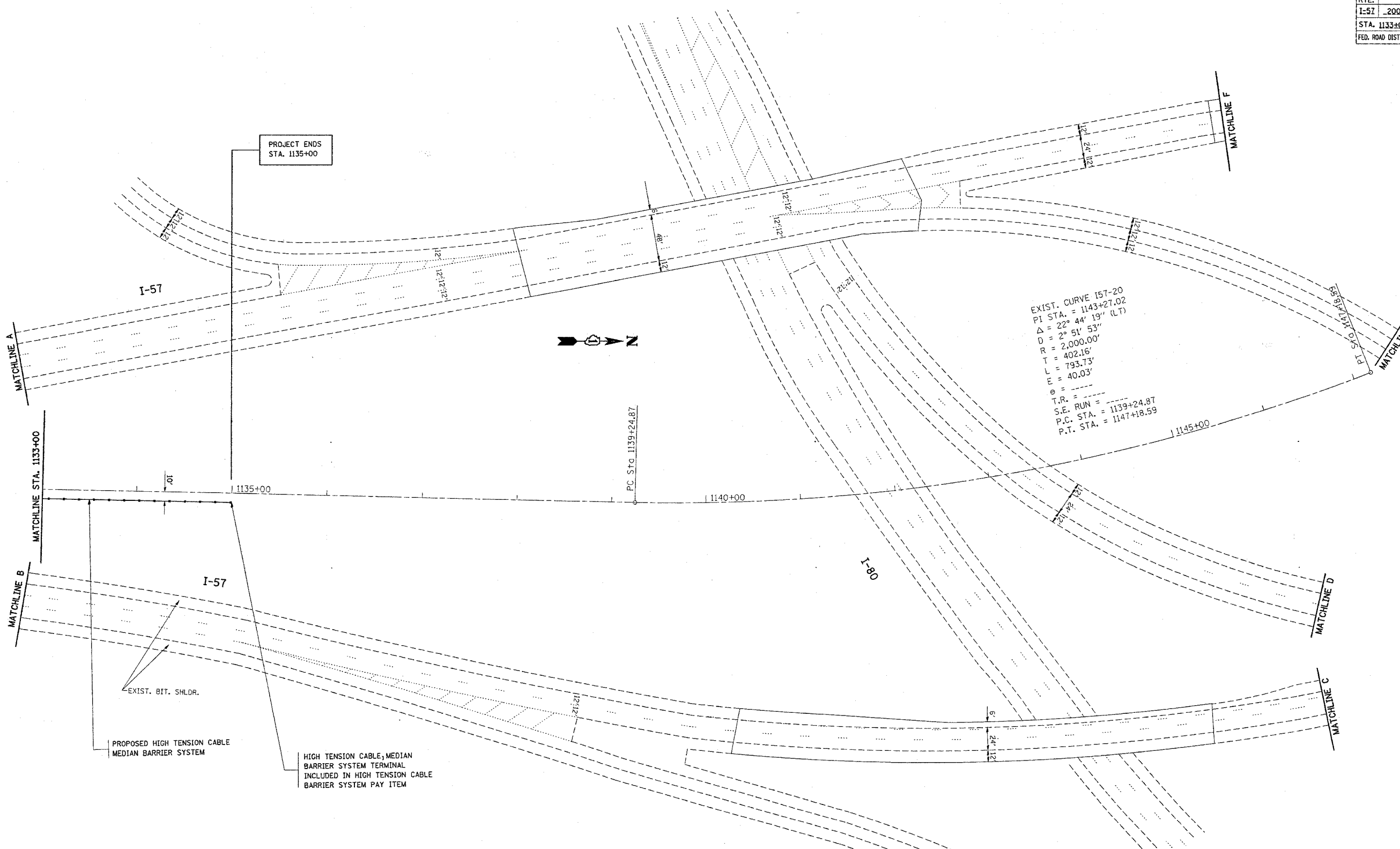
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN I-57
 (I-80 TO COUNTYLINE RD.)
 PROPOSED PLAN

SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE 1/4/2006

DRAWN BY
 CHECKED BY

CONTRACT NO.				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038.1	WILL	58	45
STA. 1133+00		TO STA. 1147+18.59		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



PLOT DATE = 1/4/2006
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 USER NAME = hzshkf

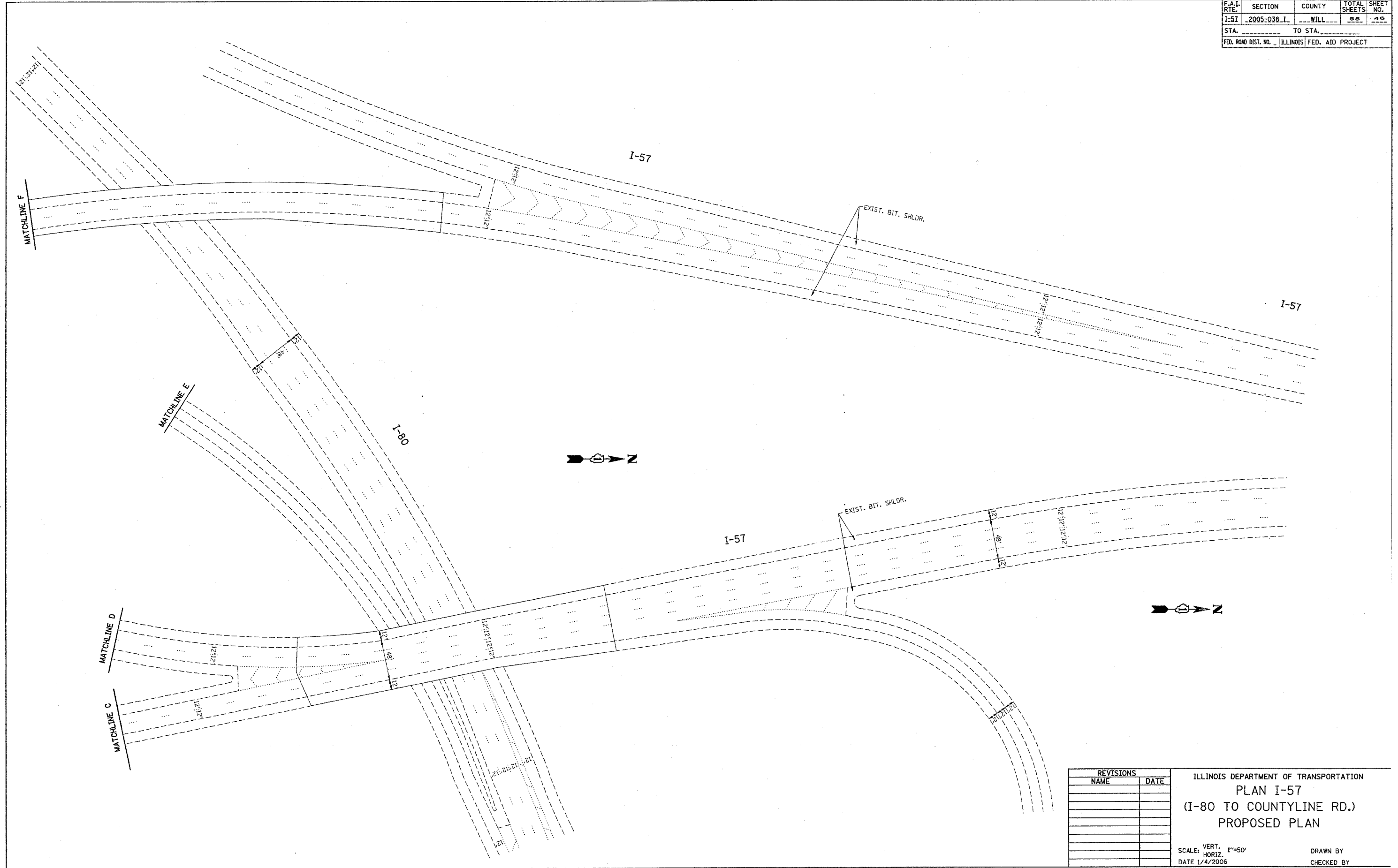
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAN I-57
 (I-80 TO COUNTYLINE RD.)
 PROPOSED PLAN

SCALE: VERT.
 HORIZ.
 DATE 1/4/2006

DRAWN BY
 CHECKED BY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2005-038 I	WILL	58	46
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PLOT DATE = 1/4/2006
 FILE NAME = c:\p\projects\121705\ah_rdy.dwg
 PLOT SCALE = 30.0000' / IN.
 USER NAME = hstark

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PLAN I-57
 (I-80 TO COUNTYLINE RD.)
 PROPOSED PLAN

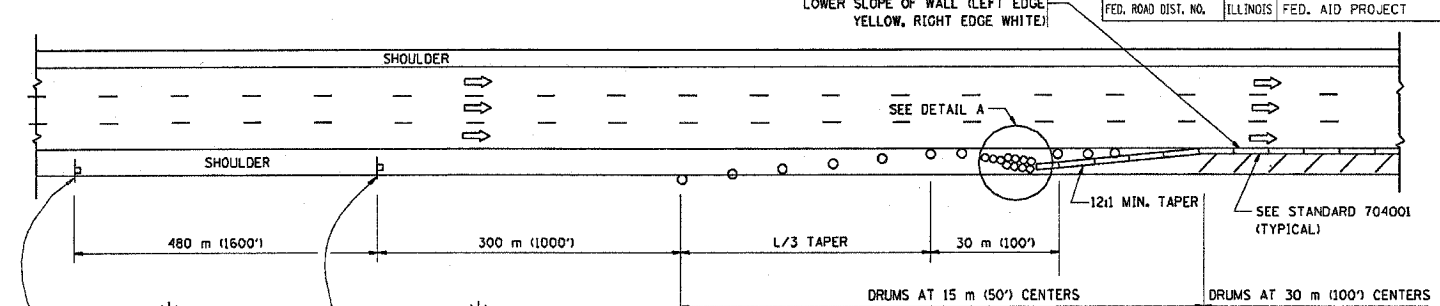
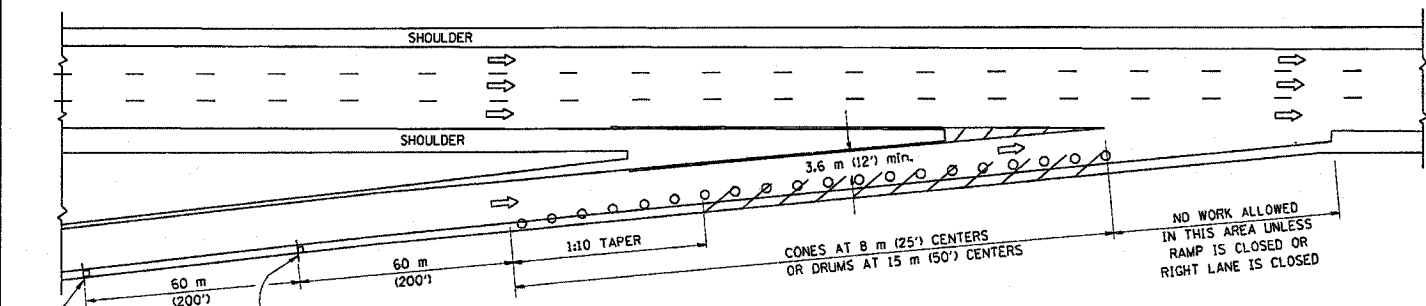
SCALE: VERT. 1"=50'
 HORIZ. DATE 1/4/2006

DRAWN BY
 CHECKED BY

PARTIAL RAMP CLOSURE DETAILS

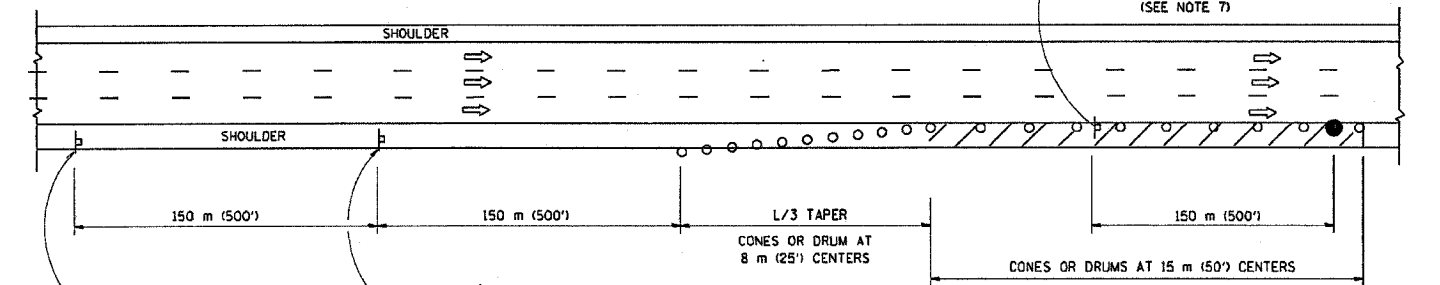
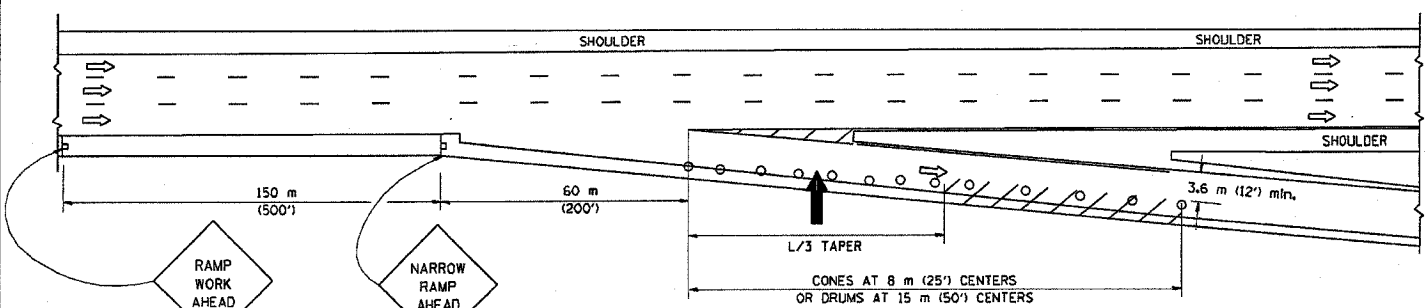
SHOULDER CLOSURE DETAILS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2005-0381	COOK, WILL	58	47
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



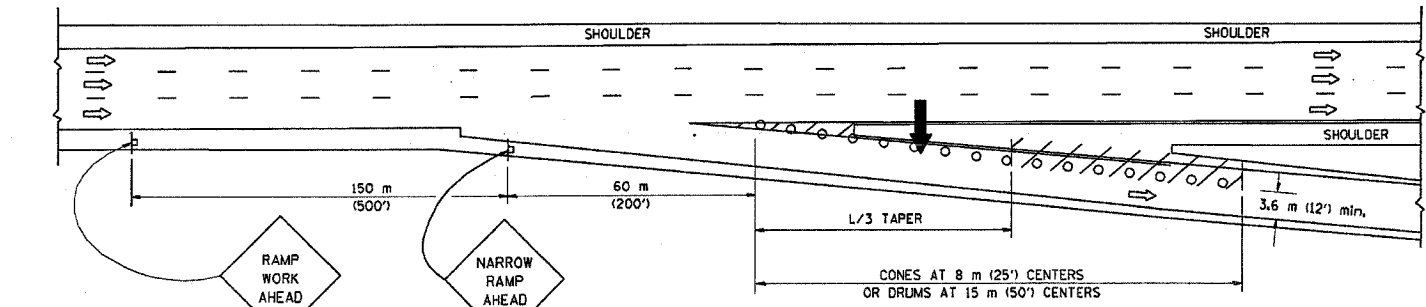
TYPICAL ENTRANCE RAMP

PERMANENT SHOULDER CLOSURE



TYPICAL EXIT RAMP

DAYTIME SHOULDER CLOSURE



TYPICAL EXIT RAMP

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 ENGLISH L=0.65(W/S) 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.

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 ACTIVITY 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.

ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350 COMPLIANT FOR POSTED SPEED.

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

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

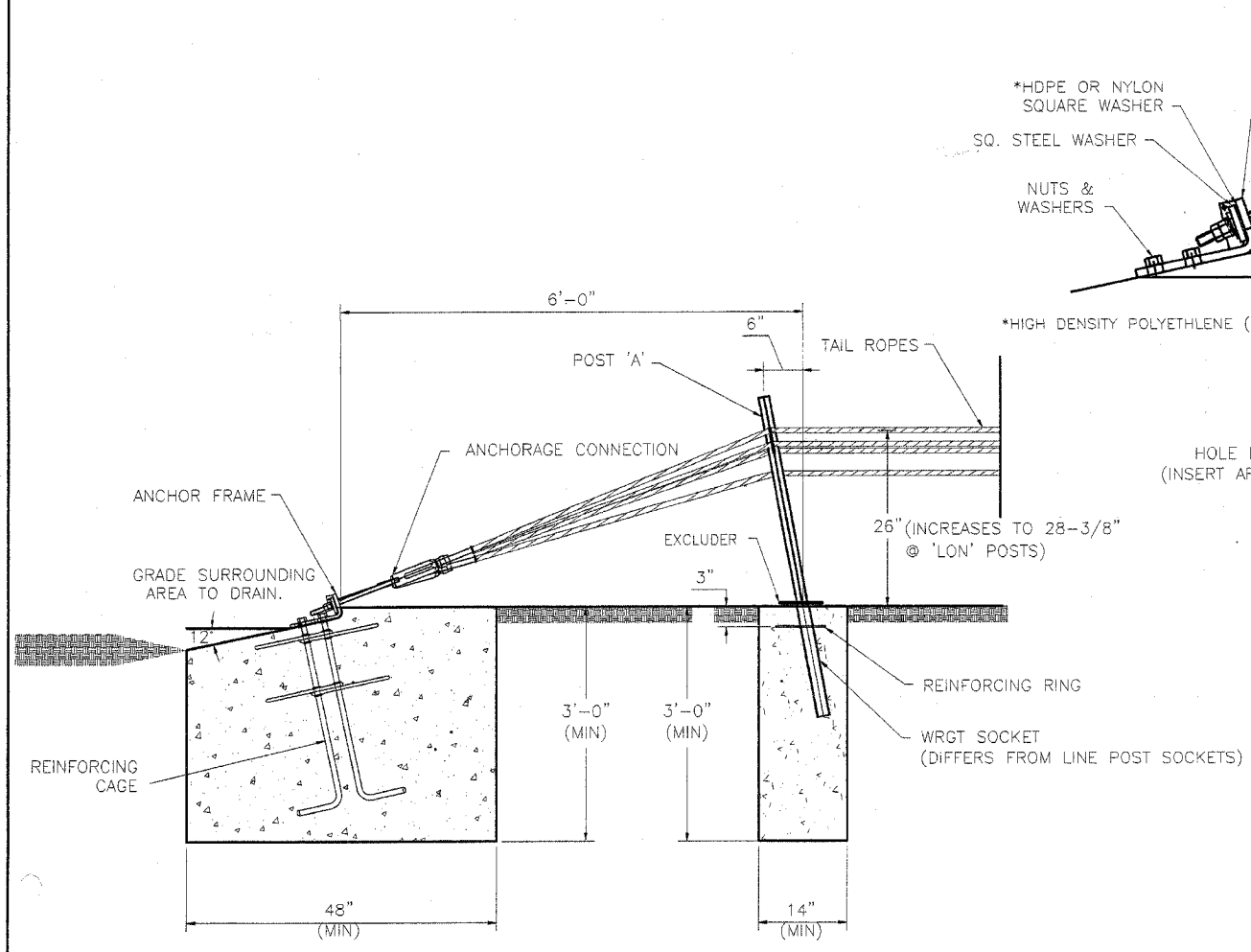
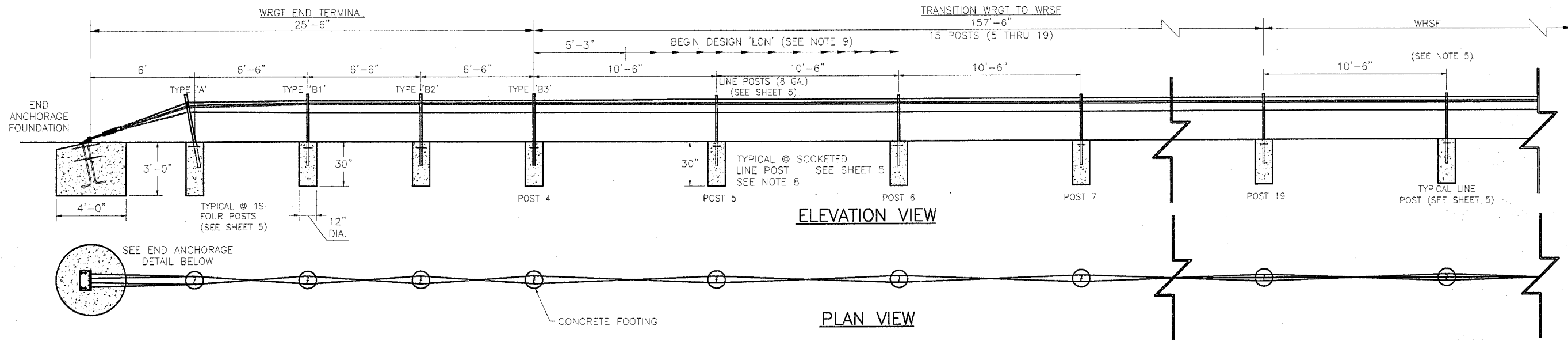
ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES PARTIAL RAMP CLOSURES

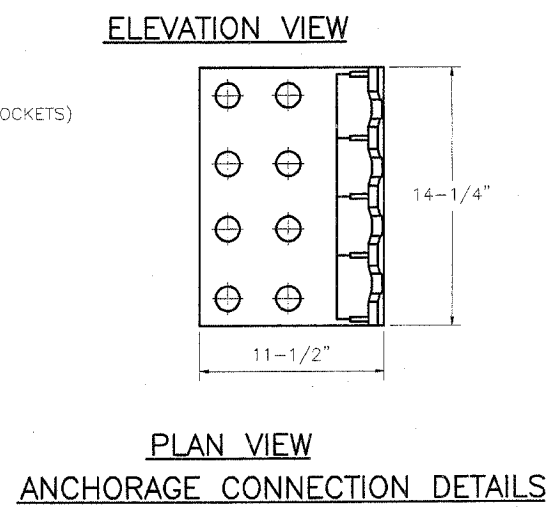
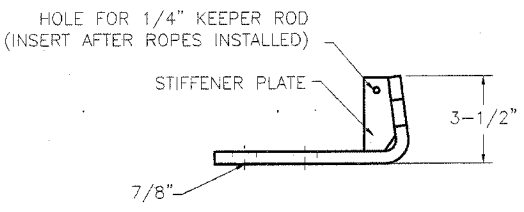
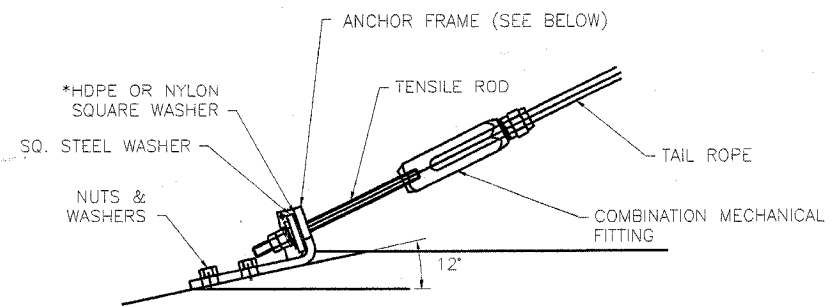
REVISIONS	
NAME	DATE
DWS	11/96
JAF	12/02
NCHRP 350	04/03

SCALE: NONE
DATE: 05/06/2003
DRAWN BY: DWS
DESIGNED BY: DWS
CHECKED BY: TC-17

FBI	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2005-0391	COCONAWILLI	95	48
STA.	ILLINOIS	FED AID PROJECT		
FED ROAD DIST. NO.	CONTRACT NO. 80A09			



WRGT END ANCHORAGE DETAIL
USED WITH 3-ROPE OR 4-ROPE TL-3 & TL-4 SYSTEMS



PLAN VIEW
ANCHORAGE CONNECTION DETAILS

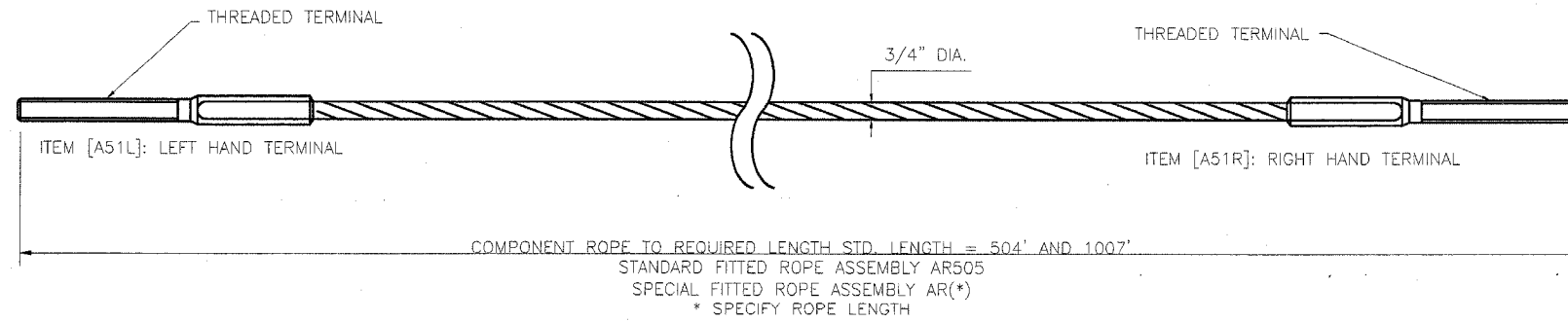
NOTES:

- BRIFEN DRAWING, SPECIFICATION & PRODUCT MANUAL SHOULD BE REVIEWED PRIOR TO STARTING AN INSTALLATION. FOR ASSISTANCE OR ADDITIONAL INFORMATION CALL 1-866-427-4336 TOLL FREE.
- WIRE ROPE SAFETY FENCE (WRSF) IS RECOMMENDED FOR INSTALLATIONS ON SLOPES OF 6:1 OR FLATTER. THE AREA SHOULD BE RELATIVELY SMOOTH, WITHOUT EDGE DROP-OFFS, ABRUPT SLOPE CHANGES, HOLES, DEBRIS, ETC. THAT COULD PREVENT A VEHICLE FROM IMPACTING THE WRSF WITH ALL WHEELS ON THE GROUND AND SUSPENSION NORMAL. SOME FILLING AND/OR GRADING AND COMPACTION MAY BE NECESSARY. THE ROPES MUST BE PLACED AT DESIGN HEIGHT ABOVE GROUND LINE. TOLERANCE IS $\pm 1"$.
- WRSF MAY BE INSTALLED ON EITHER SIDE OF THE ROADWAY. THE RADIUS EDGE OF POSTS SHALL BE ON THE APPROACH SIDE OF TRAFFIC. WEAKENING CUT (RELIEF NOTCH) AT GROUND LINE ON POST A & B TO BE PLACED TOWARD THE END ANCHOR. ALSO SEE SHEET 5.
- ALL POSTS ARE SET IN SOCKETS UNLESS OTHERWISE SPECIFIED.
- LINE POST SPACING AT 10'-6" SHOWN; MAY BE DECREASED IF NECESSARY. ADEQUATE CLEARANCE TO RIGID OBSTACLES SUCH AS BRIDGE PIERS, SIGN SUPPORTS, POWER POLES, TREES, ETC. IS CRITICAL. SEE PRODUCT MANUAL OR CONTACT MANUFACTURER.
- WRGT END TERMINAL IS NCHRP 350 APPROVED AND MAY BE LOCATED WITHIN THE HORIZONTAL CLEAR ZONE. END TERMINAL FLARE RATE MAY NOT EXCEED 25:1; 50:1 OR LESS IS PREFERRED. USED FOR BOTH TL-3 & TL-4 SYSTEMS. NO MAXIMUM LIMIT TO LENGTH BETWEEN END TERMINAL.
- WRGT END TERMINAL IS SUPPLIED AS A PACKAGE UNLESS SPECIFIED OTHERWISE. INCLUDES ANCHOR FRAME, REINFORCING CAGE, CONNECTION HARDWARE, COMBINATION MECHANICAL FITTING, POSTS TYPE A AND B, WRGT SOCKETS, PEGS, EXCLUDERS, AND TAIL ROPES.
- THE 15 TRANSITION LINE POSTS ADJACENT TO WRGT END TERMINAL DO NOT HAVE TOP ROPE SLOT. ALL THE ROPES WEAVE ON EITHER SIDE OF THE POSTS UNTIL THE FIRST LINE POST WITH A SLOT (POST 20). SEE SHEET 5.
- DESIGN LENGTH OF NEED 'LON' BEGINS 5'-3" FROM POST 4 (TYPE B3).
- CONCRETE TO BE 3,500 PSI MINIMUM. EXPOSED SURFACES TO BE HAND TROWELED. FOUNDATION FOR USE IN FIRM SOIL OR WHEN INSTALLED SURROUNDED BY 4" MIN SURFACING.

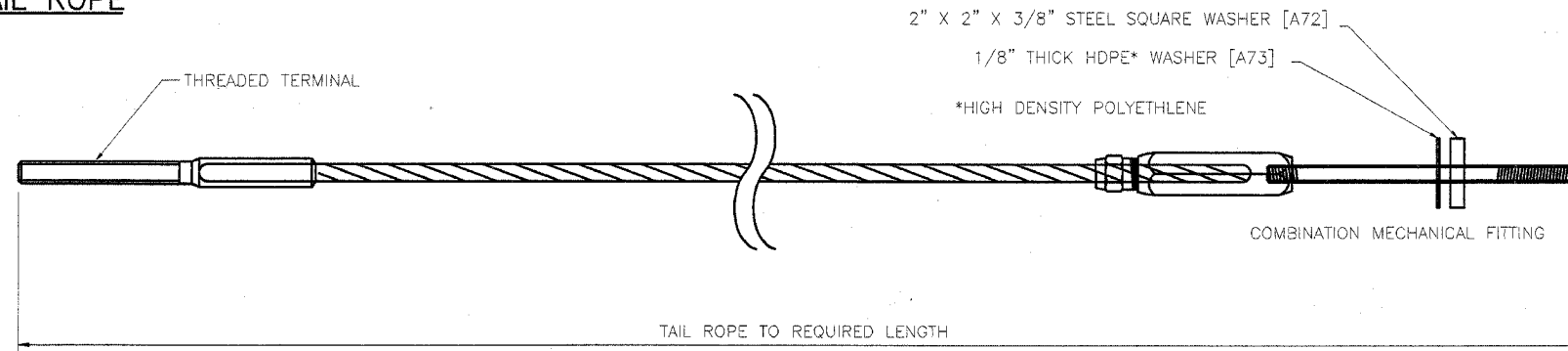
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Revisions			GENERAL LAYOUT		
No.	Date	By	USING WRGT END TERMINAL (NCHRP-350) AND TRANSITION		
1.	6.21.05	MW	Date	Drawn By	Scale
2.	6.28.05	MW	5.17.05	Manita Workman	None
3.	7.21.05	MW	VERSION 8.6		
4.	8.01.05	MW			
5.	8.04.05	MW	Dwg. No.	WRSF-05-201a	Sheet No. 1 of 11

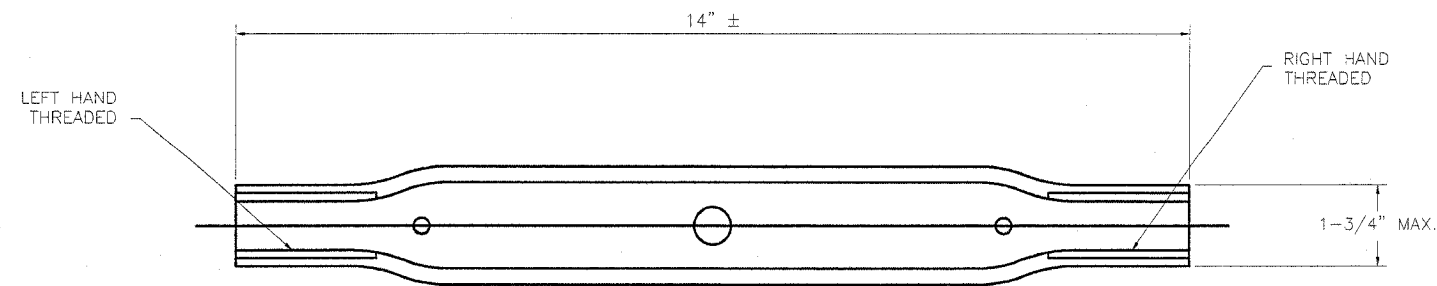
COMPONENT ROPE



TAIL ROPE



**RIGGING SCREW [A52]
(TURNBUCKLE)**



NOTES:

1. BRIFEN WIRE ROPE TO BE 3/4" (19mm) PRE-STRETCHED 3 X 7 CONSTRUCTION.
2. MINIMUM BREAKING LOAD OF FITTED ROPES SHALL BE 36,800 POUNDS (16.7 TONNE F METRIC).
3. COMBINATION MECHANICAL FITTING SHALL DEVELOP MINIMUM BREAKING LOAD AS STATED IN NOTE 2.
4. RIGGING SCREWS SHALL NOT BE LOCATED BETWEEN END ANCHORAGE AND TYPE POST 'A'.
5. WIRE ROPES ARE TO BE TENSIONED AFTER INSTALLATION, PER TENSION CHART BELOW, AND RE-CHECKED AFTER 2-3 WEEKS.

AMBIENT TEMPERATURE		ROPE TENSION	
C	F	KN	LBS
43	110	6.5	1410
38	100	9.4	2110
35	95	11.25	2531
30	86	14.00	3150
25	77	16.75	3769
20	68	19.50	4387
15	59	22.25	5006
10	50	25.00	5625
5	41	27.75	6244
0	32	30.50	6863
-5	23	33.25	7481
-10	14	36.00	8100
-18	0	40.40	9100

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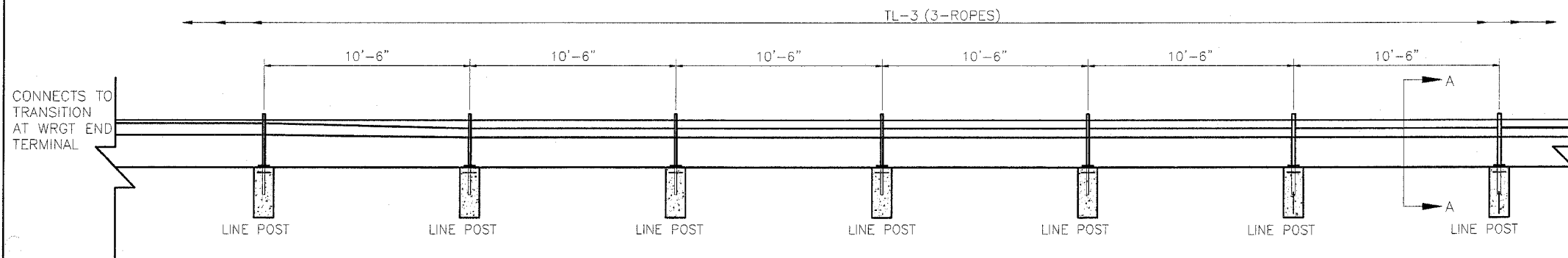
Revisions			WIRE ROPE AND FITTINGS		
No.	Date	By	Date	Drawn By	Scale
1.	6.21.05	MW	5.17.05	Aaron Wells	None
2.	6.28.05	MW			
3.	7.21.05	MW	VERSION 8.6		
4.	8.01.05	MW			
5.	8.04.05	MW	Dwg. No.	WRSF-05-202a	Sheet No. 2 of 11

FBI	SECTION	COUNTY	TOTAL SHEETS
RTE 57	2005-0381	COOKCOUNTY	58
STA. ILLINOIS	STA. ILLINOIS	FED. AID PROJECT	SHEET NO. 49
CONTRACT NO. 60409			

FBI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2005-038 I	COOK/WILL	58	50
STA.		STA.		
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT

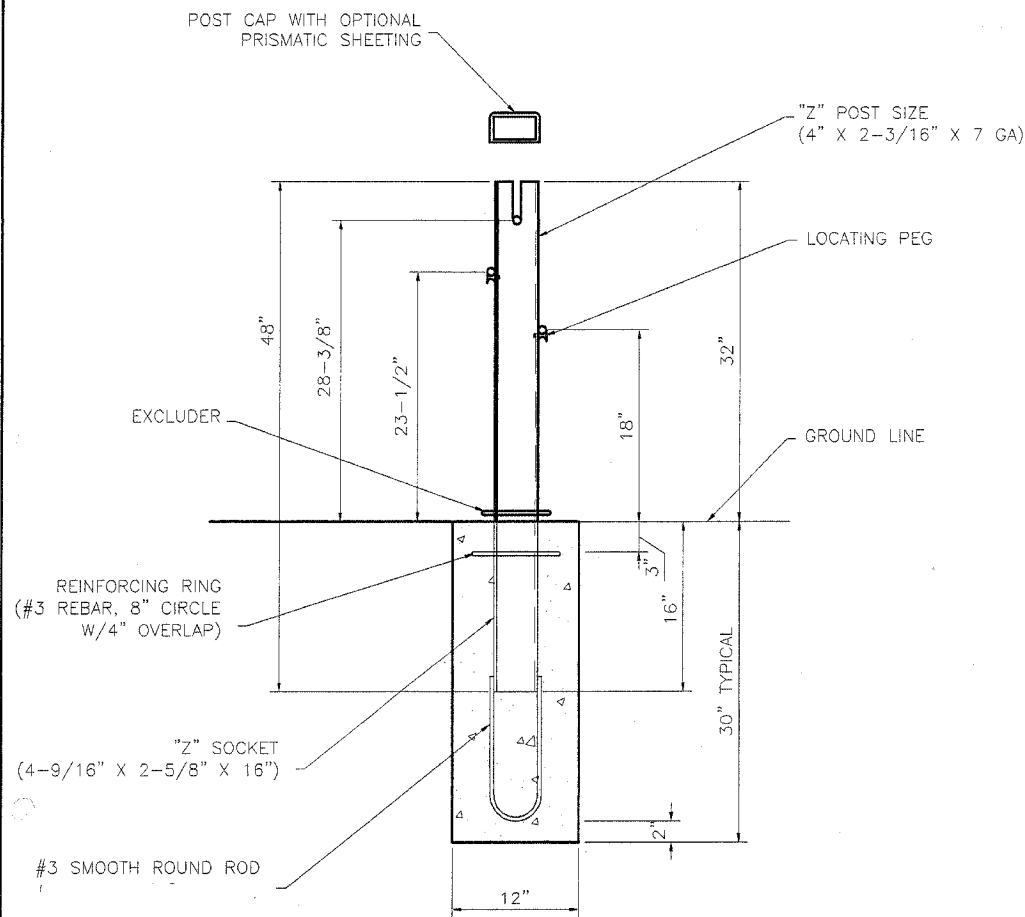
NOTES:

- BRIFEN DRAWINGS, SPECIFICATIONS AND PRODUCT MANUAL SHOULD BE REVIEWED PRIOR TO STARTING AN INSTALLATION. FOR ASSISTANCE OR ADDITIONAL INFORMATION CALL 1-866-427-4336 TOLL FREE.
- WIRE ROPE SAFETY FENCE (WRSF) IS RECOMMENDED FOR INSTALLATIONS ON SLOPES OF 6:1 OR FLATTER. THE AREA SHOULD BE RELATIVELY SMOOTH, WITHOUT EDGE DROP-OFF, ABRUPT SLOPE CHANGES, HOLES, DEBRIS, ETC. THAT COULD PREVENT A VEHICLE FROM IMPACTING THE WRSF WITH ALL WHEELS ON THE GROUND AND SUSPENSION NORMAL. SOME FILLING AND/OR GRADING AND COMPACTION MAY BE NECESSARY. THE ROPES MUST BE PLACED AT DESIGN HEIGHT ABOVE GROUND LINE. TOLERANCE IS $\pm 1"$.
- WRSF MAY BE INSTALLED ON EITHER SIDE OF THE ROAD WAY. THE RADIUS EDGE OF POSTS SHALL BE ON THE APPROACH SIDE OF TRAFFIC. ALSO SEE SHEET 5.
- POSTS SHALL BE SOCKETED DESIGN, UNLESS OTHERWISE SPECIFIED; SPACING MAY BE DECREASED TO AVOID OBSTACLES. ADEQUATE CLEARANCE TO RIGID OBSTACLES SUCH AS BRIDGE PIERS, SIGN SUPPORTS, POWER POLES AND TREES, IS CRITICAL. SEE PRODUCT MANUAL OR CONTACT MANUFACTURER.
- CONCRETE TO BE 3,500 PSI MINIMUM. EXPOSED SURFACES TO BE HAND TROWELED. FOUNDATION FOR USE IN FIRM SOIL OR WHEN INSTALLED SURROUNDED BY 4" MIN. SURFACING.
- PRISMATIC REFLECTIVE SHEETING (ADHESIVE BACK) WHEN SPECIFIED SHALL BE FIELD APPLIED. SPECIFY COLOR, POST INTERVAL AND SINGLE OR DOUBLE SIDED.
- EXCLUDER TO BE PUSHED DOWN TIGHT AGAINST TOP OF SOCKET. SOCKET SHALL BE FLUSH WITH THE TOP OF THE FOUNDATION.



TYPICAL ELEVATION

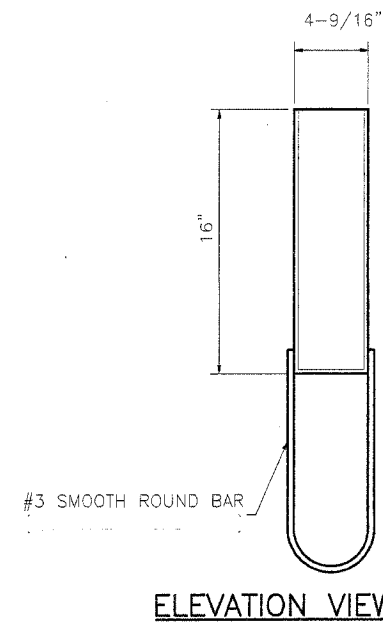
(SEE DETAIL BELOW)



**SECTION A-A
LINE POST
WITH "Z" SOCKET**

CONCRETE SOCKETED FOUNDATION

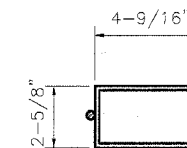
(DRIVEN STEEL SOCKET OPTIONAL)



ELEVATION VIEW

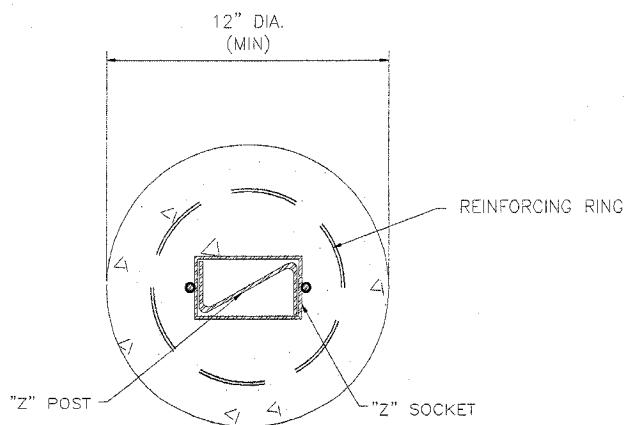


SIDE VIEW



PLAN VIEW

'Z' SOCKET DETAIL



FOUNDATION PLAN VIEW

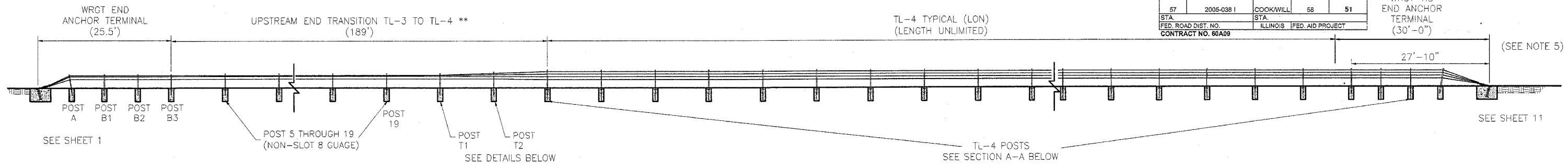
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Revisions			TL-3 WRSF DETAIL (3-ROPES @ 10'-6" POST SPACING) (INCLUDING TRANSITION TO WRGT)		
No.	Date	By	Date	Drawn By	Scale
1.	6.21.05	MW	5.17.05	Manita Workman	None
2.	6.28.05	MW			
3.	7.21.05	MW	VERSION 8.6		
4.	8.01.05	MW			
5.	8.04.05	MW	Dwg. No.	WRSF-05-203a	Sheet No. 3 of 11

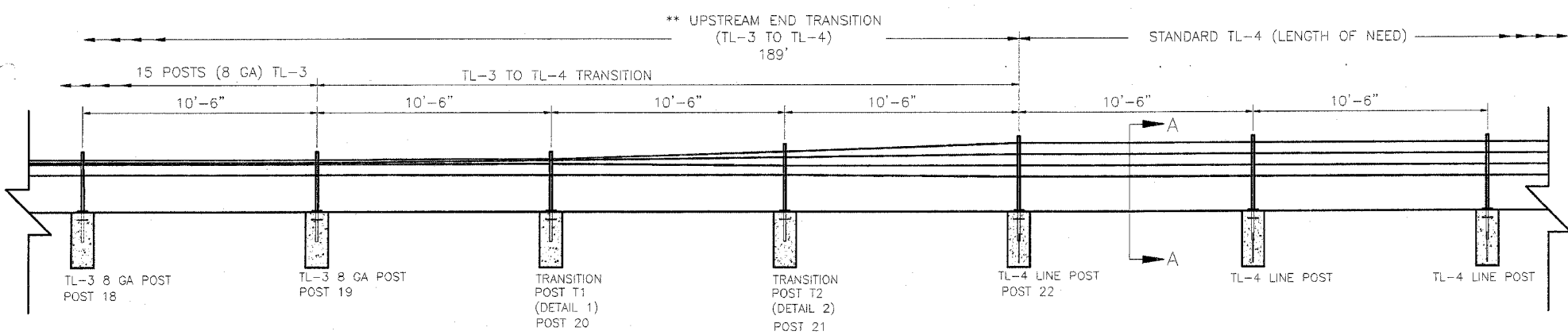
FAI	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2005-038 I	COOK/WILL	56	51
STA.		STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 60A09				

WRGT-RD
END ANCHOR
TERMINAL
(30'-0")
(SEE NOTE 5)



** PAID AS LF OF TL-4 WRSF

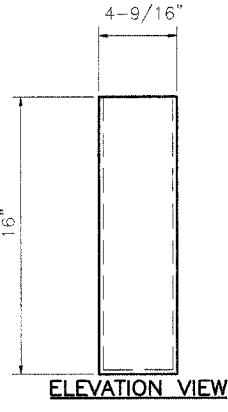
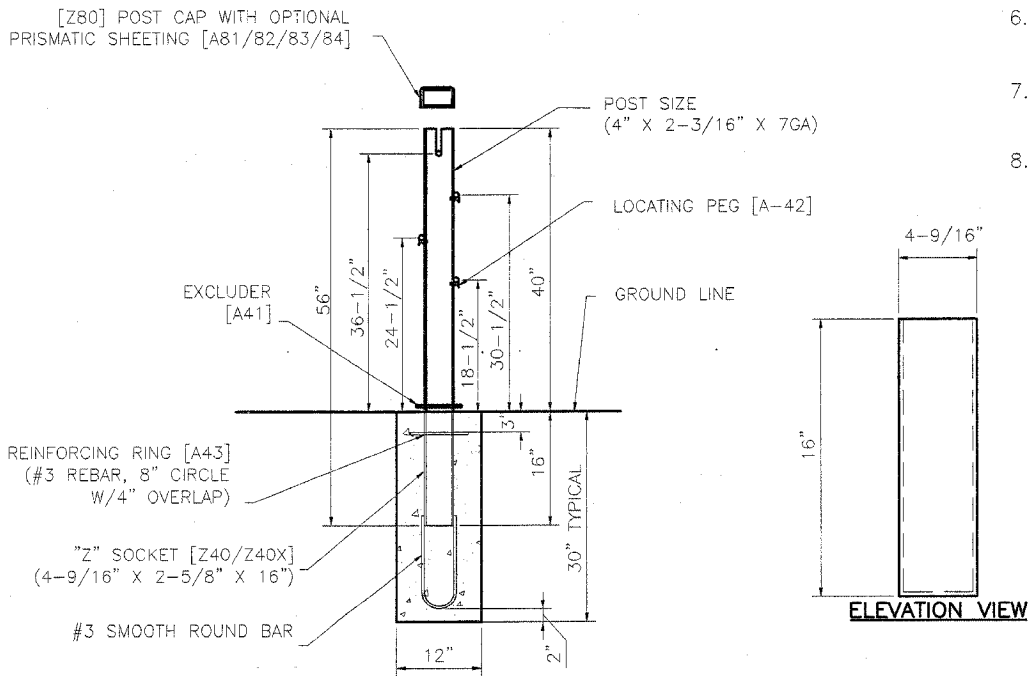
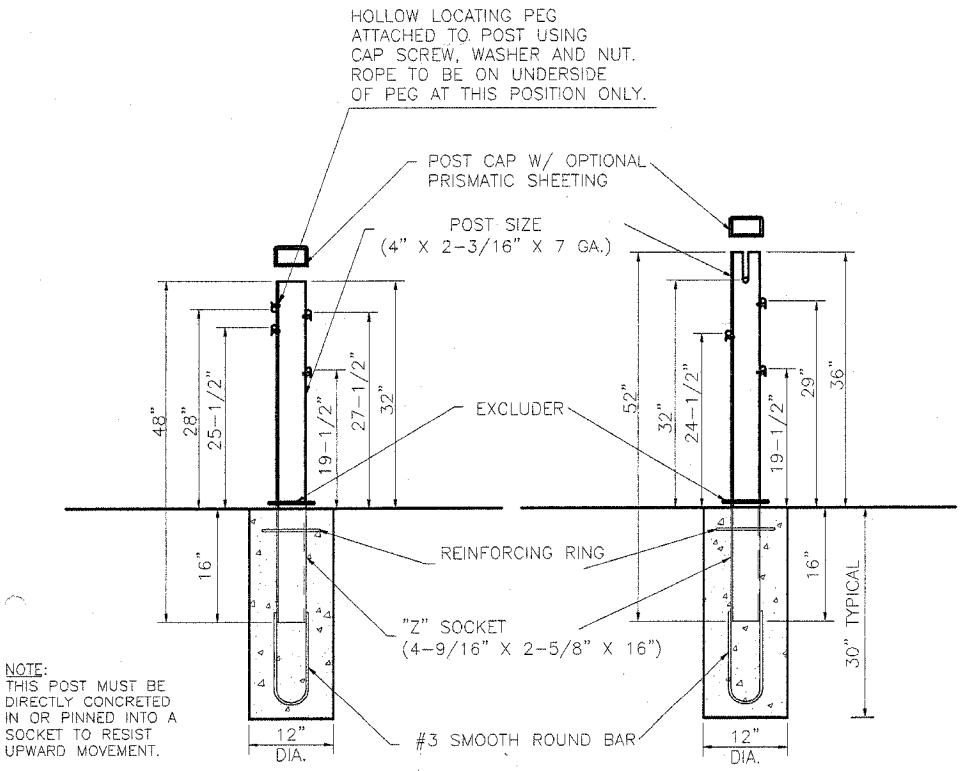
TYPICAL TL-4 LAYOUT



ELEVATION AT TRANSITION

NOTES:

- BRIFEN DRAWING, SPECIFICATIONS & PRODUCT MANUAL SHOULD BE REVIEWED PRIOR TO STARTING OF INSTALLATION. FOR ASSISTANCE OR ADDITIONAL INFORMATION CALL 1-866-427-4336 TOLL FREE.
- WIRE ROPE SAFETY FENCE (WRSF) IS RECOMMENDED FOR INSTALLATIONS ON SLOPE OF 6:1 OR FLATTER. THE AREA SHOULD BE RELATIVELY SMOOTH, WITHOUT EDGE DROP-OFFS, ABRUPT SLOPE CHANGES, HOLES, DEBRIS, ETC. THAT COULD PREVENT A VEHICLE FROM IMPACTING THE WRSF WITH ALL WHEELS ON THE GROUND AND SUSPENSION NORMAL. SOME FILLING AND/OR GRADING AND COMPACTION MAY BE NECESSARY. THE ROPES MUST BE PLACED AT DESIGN HEIGHT ABOVE GROUND LINE. TOLERANCE IS ± 1".
- WRSF MAY BE INSTALLED ON EITHER SIDE OF THE ROADWAY. THE RADIUS EDGE OF POSTS SHOULD BE ON THE APPROACH SIDE OF TRAFFIC. LINE POSTS SHALL BE SOCKETED DESIGN, UNLESS OTHERWISE SPECIFIED (ALSO SEE SHEET 5). SPACING MAY BE DECREASED TO AVOID OBSTACLES.
- TYPICAL DEPTH FOUNDATION INTENDED FOR USE IN FIRM SOIL OR WHEN INSTALLED SURROUNDED BY 4" MIN. SURFACING.
- WRGT-RD END ANCHOR TERMINAL MAY BE USED ON ANY TL-4 WRSF LOCATION SHIELDED FROM TRAFFIC (EXITING ENDS OF BRIDGES, ETC), OR WITHIN HORIZONTAL CLEAR ZONE ON DOWNSTREAM ENDS ONLY IF HEAD-ON IMPACTS ARE UNLIKELY.
- CONCRETE TO BE 3,500 PSI MINIMUM. EXPOSED SURFACES TO BE HAND TROWELED.
- PRISMATIC REFLECTIVE SHEETING (ADHESIVE BACK) WHEN SPECIFIED TO BE FIELD APPLIED. SPECIFY COLOR, POST INTERVAL AND SINGLE OR DOUBLE SIDED.
- EXCLUDER TO BE PUSHED DOWN TIGHT AGAINST TOP OF SOCKET. SOCKET SHALL BE FLUSH WITH THE TOP OF THE FOUNDATION.



NOTE:
THIS POST MUST BE DIRECTLY CONCRETE IN OR PINNED INTO A SOCKET TO RESIST UPWARD MOVEMENT.

DETAIL 1
T1-TRANSITION POST (NON-SLOTTED) [ZT1]
(4" X 2-3/16" X 7 GA.)
CONCRETE SOCKETED FOUNDATION

DETAIL 2
T2-TRANSITION (SLOTTED) POST [ZT2]
(4" X 2-3/16" X 7 GA.)
CONCRETE SOCKETED FOUNDATION

TL-4 LINE POST DETAIL
(4" X 2-3/16" X 7 GA.)
CONCRETE SOCKETED FOUNDATION

SECTION A-A

TL-4 ('Z') SOCKET DETAIL [Z40/Z40X]
SIZE: 4-9/16" X 2-5/8" X 16"

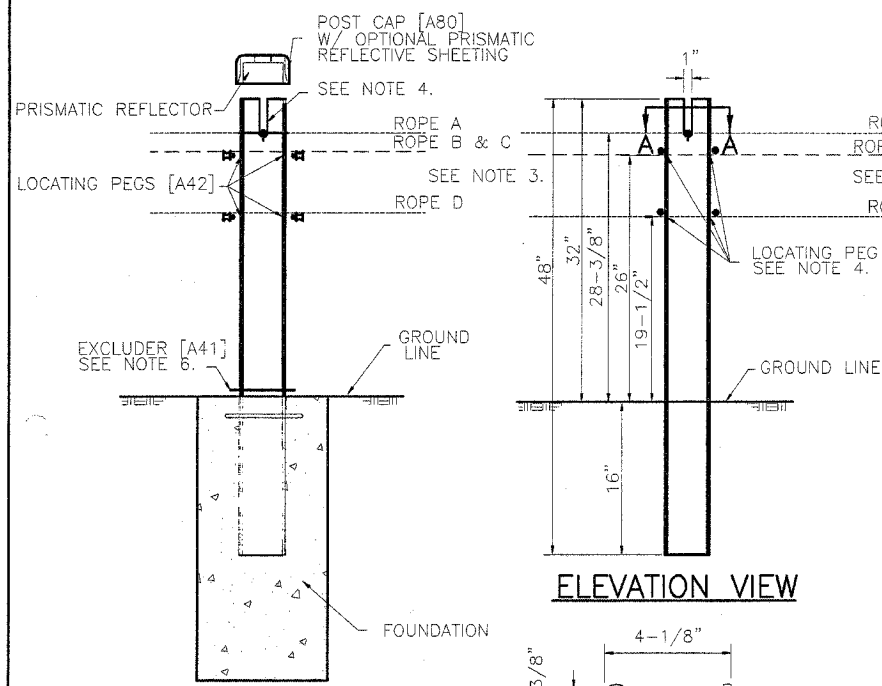
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Revisions			TL-4 WRSF DETAILS (4-ROPE, INCLUDES TRANSITION TO TL-3)		
No.	Date	By	Date	Drawn By	Scale
1.	6.21.05	MW	5.17.05	Manita Workman	None
2.	6.28.05	MW			
3.	7.21.05	MW	VERSION 8.6		Sheet No.
4.	8.01.05	MW			4 of 11
5.	8.04.05	MW	Dwg. No.	WRSF-05-204a	

FBI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2005-038 I	COOK/WILL	58	52
STA.		STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

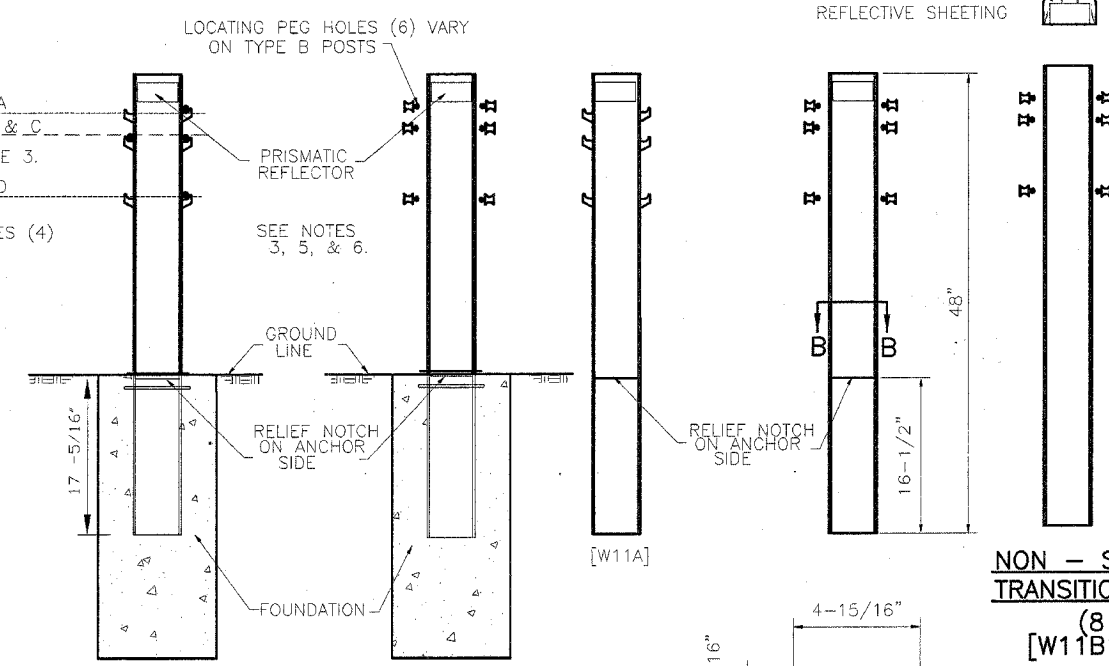
NOTES:

1. RADIUS EDGE OF POSTS SHALL BE ON THE APPROACH SIDE OF TRAFFIC.
2. ROPES B, C AND D INTERWEAVE BETWEEN ALL POSTS. SEE NOTE 3.
3. THE 15 TRANSITION LINE POSTS ADJACENT TO WRGT END TERMINAL DO NOT HAVE TOP ROPE SLOTS. THE TOP ROPE WEAVES ON EITHER SIDE OF POSTS UNTIL THE FIRST LINE POST WITH A SLOT.
4. POSTS PEG HOLES ARE PRE-DRILLED SO THAT ROPES MAY BE PLACED ON EITHER SIDE OF POST DEPENDING ON ROPE WEAVE PATTERN.
5. PRISMATIC REFLECTIVE SHEETING (ADHESIVE BACK) WHEN SPECIFIED SHALL BE FIELD APPLIED. SPECIFY COLOR, POST INTERVAL AND SINGLE OR DOUBLE SIDED. SEE SHEET 6 FOR CAP DETAILS.
6. EXCLUDER TO BE PUSHED DOWN TIGHT AGAINST TOP OF SOCKET. SOCKET SHOULD BE FLUSH WITH THE TOP OF THE FOUNDATION.
7. CONCRETE TO BE 3,500 PSI MINIMUM. EXPOSED SURFACES TO BE HAND TROWELED.
8. WRGT END ANCHOR TERMINAL POSTS (TYPE A & B) TO BE PLACED WITH WEAKENING CUT (RELIEF NOTCH) TOWARD END ANCHOR.



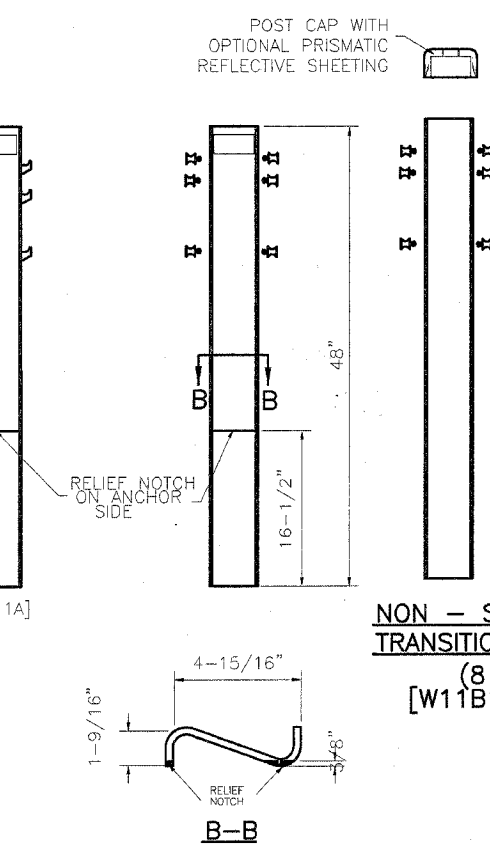
SOCKETED LINE POST ASSEMBLY

LINE POST DETAIL [A11]

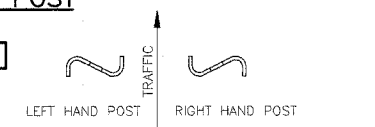


*** POST TYPE 'A' POST #1**
POST TYPE 'B' POST #2 THRU 4

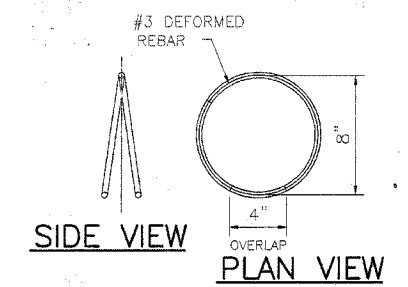
WRGT TERMINAL POSTS ASSEMBLY



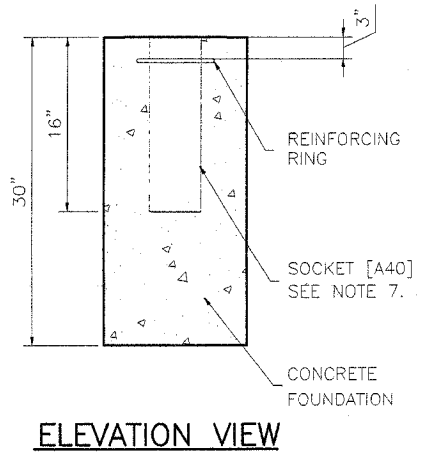
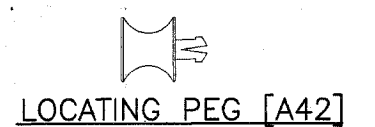
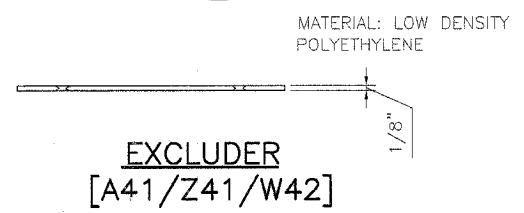
POSTS TYPE A & B DETAILS



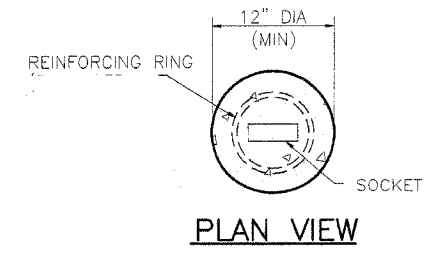
POST ORIENTATION
LEFT HAND POST [A11L] RIGHT HAND POST [A11R]



REINFORCING RING DETAIL [A43] (BY OTHERS)

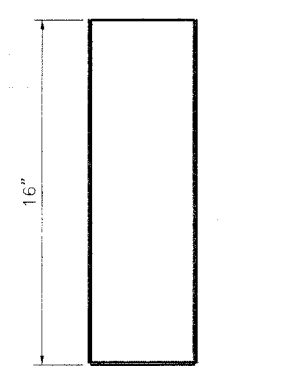


ELEVATION VIEW

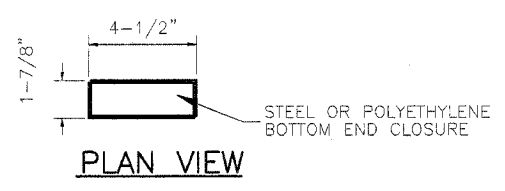


PLAN VIEW

LINE POST FOUNDATION

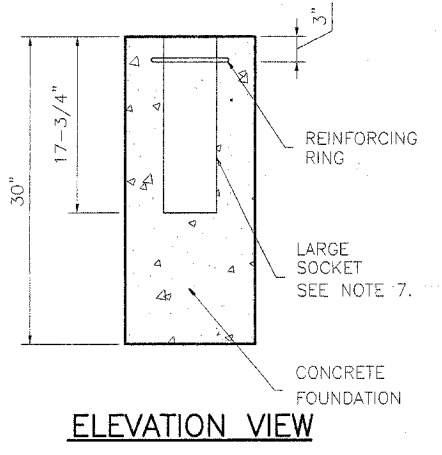


ELEVATION VIEW

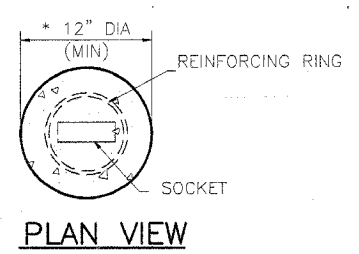


PLAN VIEW

LINE POST SOCKET [A40]



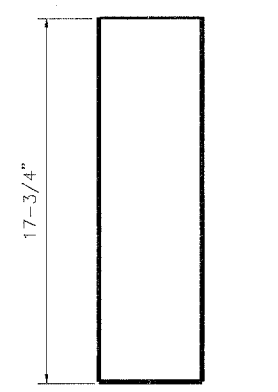
ELEVATION VIEW



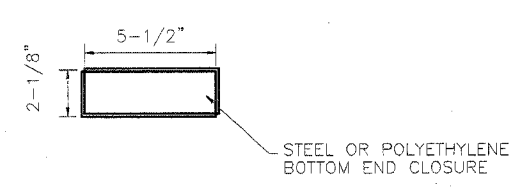
PLAN VIEW

WRGT TERMINAL POST FOUNDATION

* POST TYPE 'A' FOUNDATION 14" DIA.



ELEVATION VIEW



WRGT LARGE SOCKET [W40]

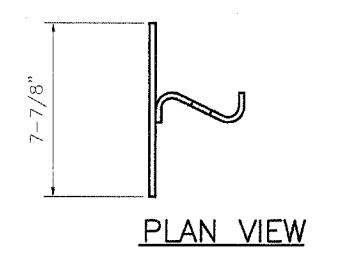
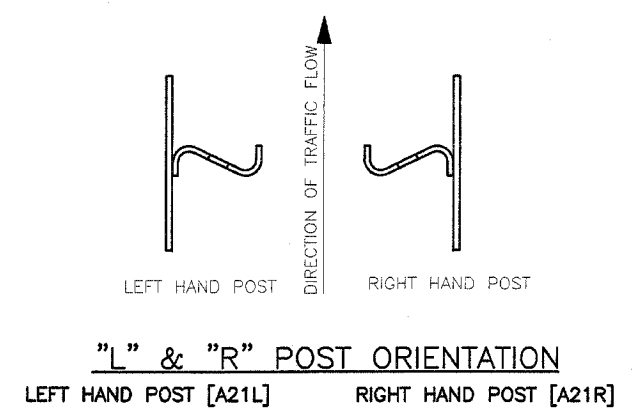
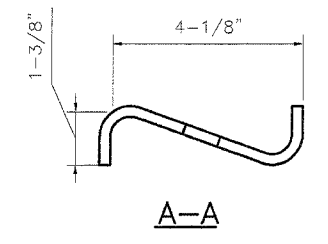
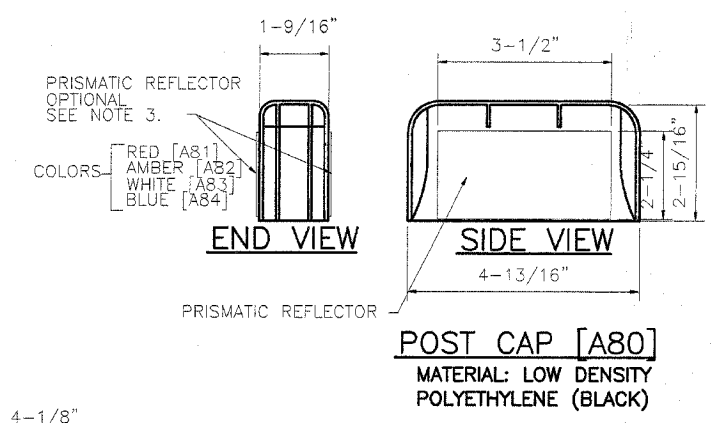
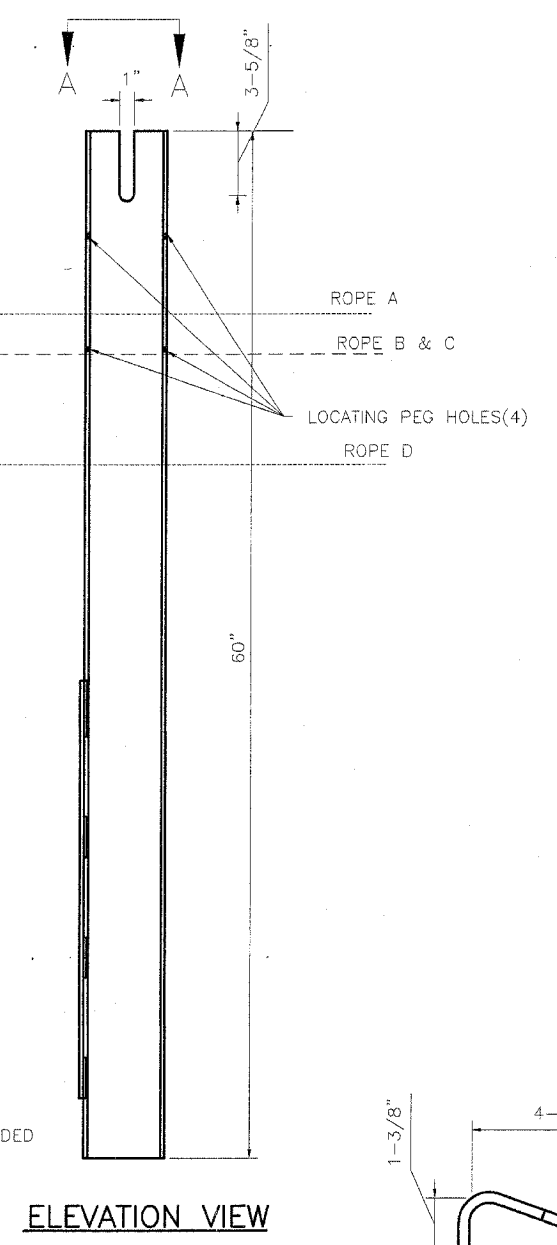
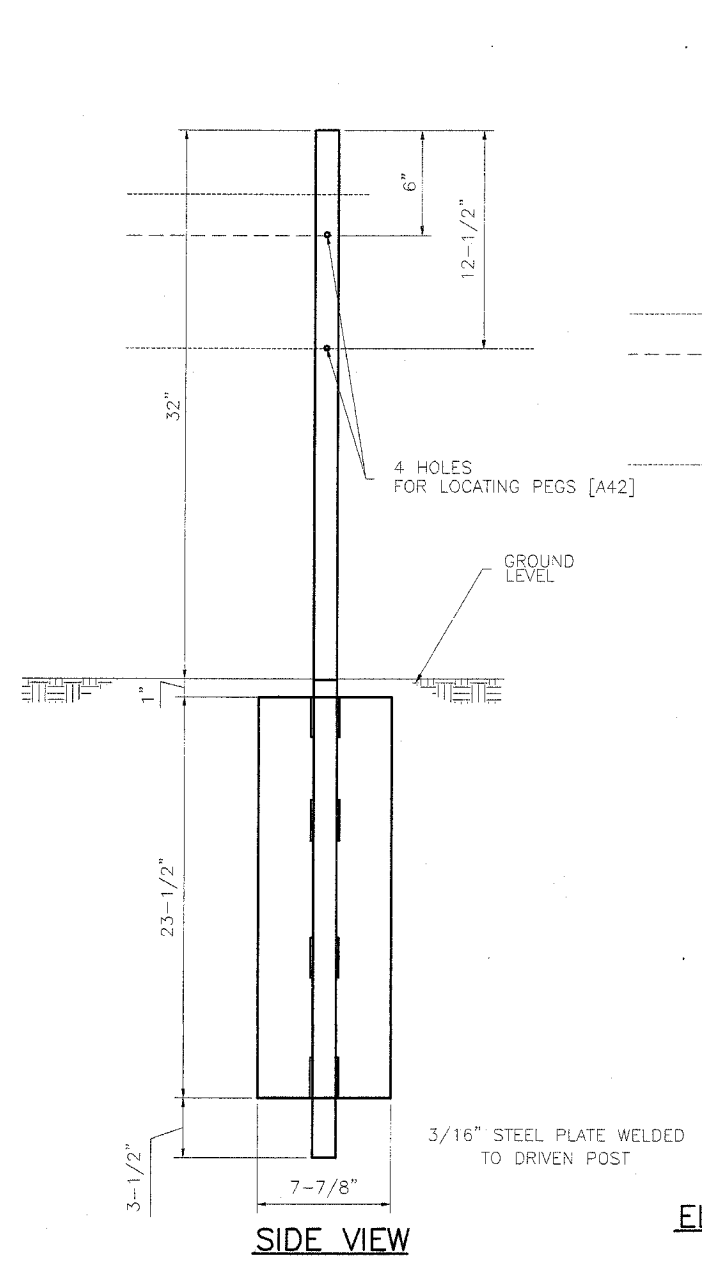
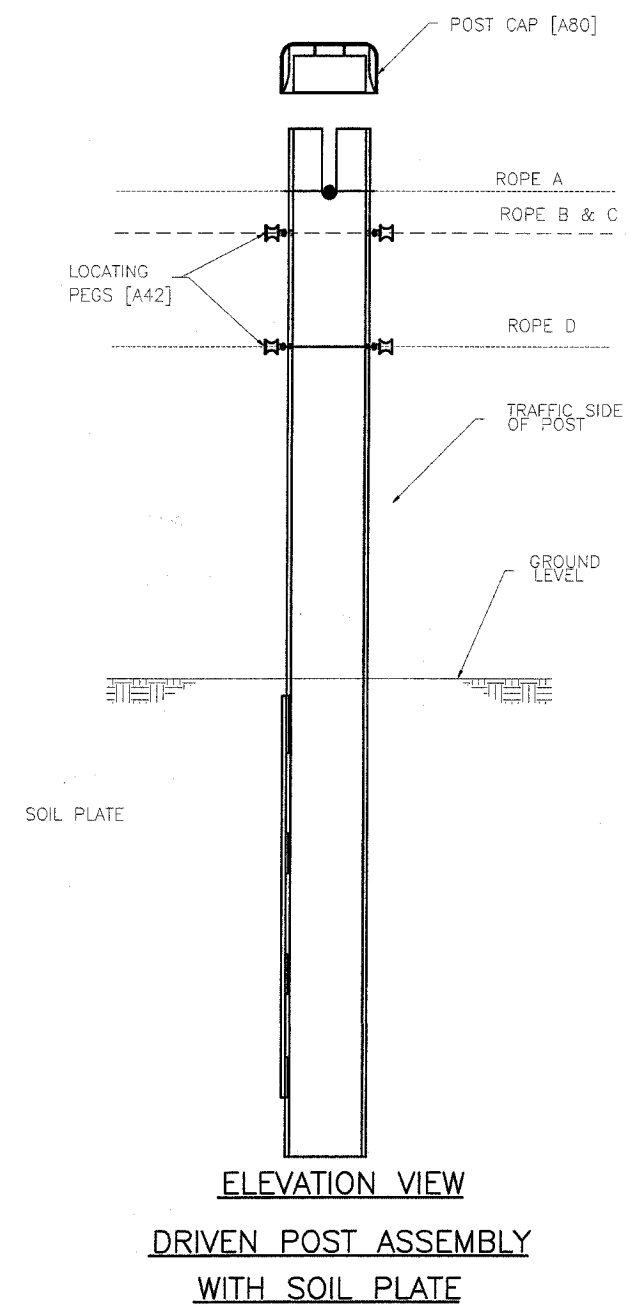
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Revisions			SOCKETED POST DETAILS (TL-3, 4 - ROPE SHOWN)		
No.	Date	By	Date	Drawn By	Scale
1.	6.21.05	MW	5.17.05	Manita Workman	None
2.	6.28.05	MW			
3.	7.21.05	MW	VERSION 8.6		
4.	8.01.05	MW			
5.	8.04.05	MW	Dwg. No.	WRSF-05-205a	Sheet No. 5 of 11

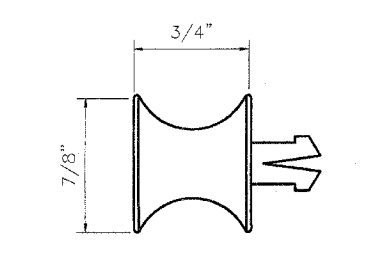
FBI	SECTION	COUNTY	TOTAL SHEETS
57	2008-0381	COCKWILL	98
57	CONTRACT NO.	60A09	53
57	STA.	11000	FED. AID PROJECT

NOTES:

- RADIUS EDGE OF POSTS SHALL BE ON THE APPROACH SIDE OF TRAFFIC.
- THREE LOCATING PEGS PER POST ARE REQUIRED FOR 4-ROPES & TWO FOR 3-ROPES.
- PRISMATIC REFLECTIVE SHEETING (ADHESIVE BACK) WHEN SPECIFIED SHALL BE FIELD APPLIED. SPECIFY COLOR, POST INTERVAL AND SINGLE OR DOUBLE SIDED.
- ROPES B, C AND D INTERWEAVE BETWEEN POSTS (4-ROPES).



DRIVEN LINE POST [A21L]
(*L" POST SHOWN)



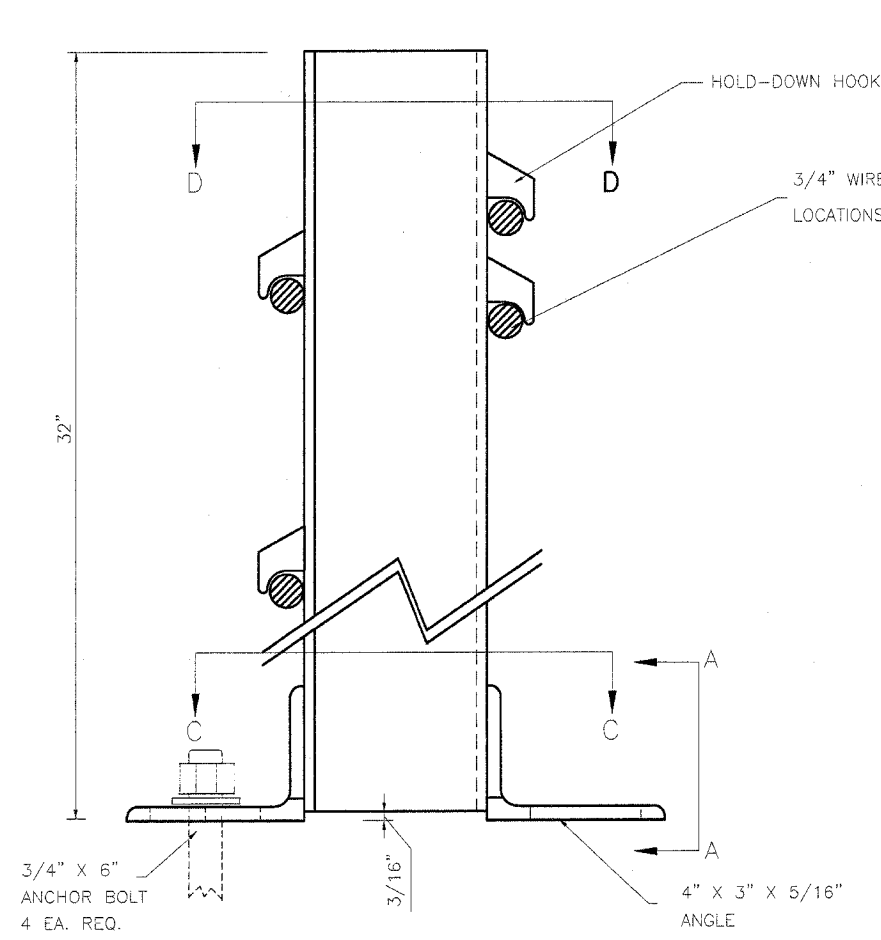
LOCATING PEG [A42]

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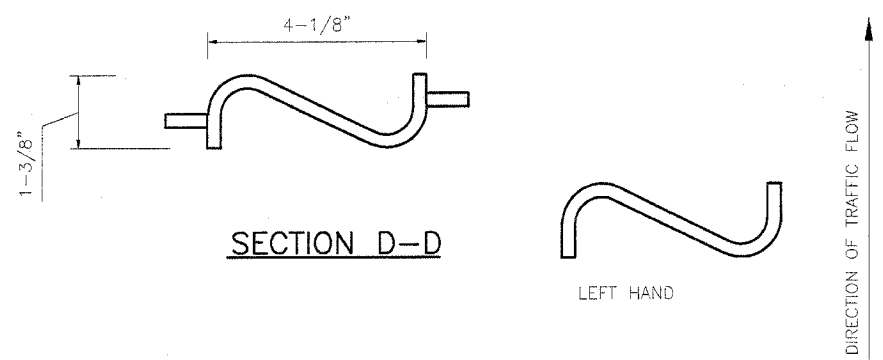
BRIFEN★USA INC.

Revisions			DRIVEN LINE POST DETAIL (TL-3, 4-ROPES SHOWN)		
No.	Date	By	Date	Drawn By	Scale
1.	6.21.05	MW	5.17.05	Manita Workman	None
2.	6.28.05	MW			
3.	7.21.05	MW	VERSION 8.6		
4.	8.01.05	MW			
5.	8.04.05	MW	Dwg. No.	WRSF-05-206a	6 of 11

FBI	SECTION	COUNTY	TOTAL
RTE	2006-0381	COCKSMILL	SHEETS
ST	STA	STA	NO.
FED. ROAD DIST. NO.	FLANDERS	FED. AID PROJECT	54
CONTRACT NO. 60A09			



HOLD-DOWN SURFACE MOUNT POST
(LEFT-HAND SHOWN)

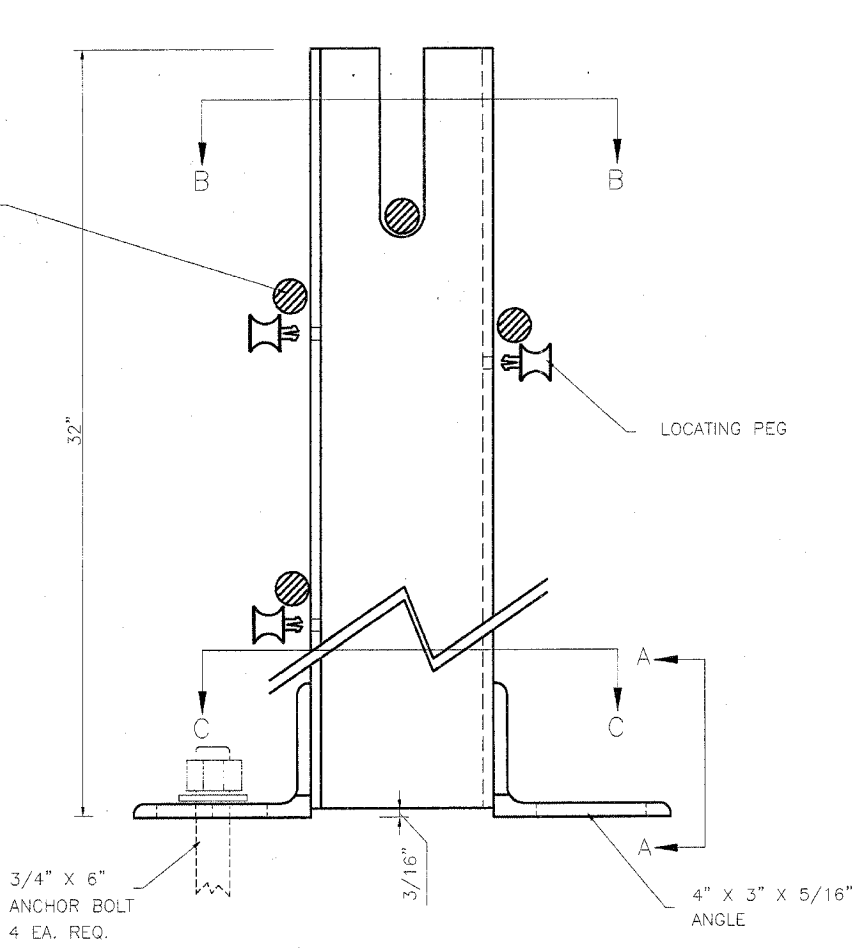


SECTION D-D

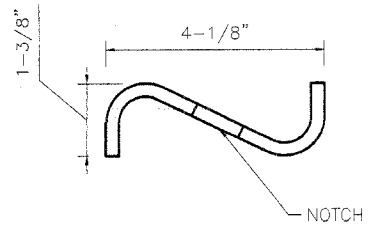
LEFT HAND

RIGHT HAND

POST ORIENTATION

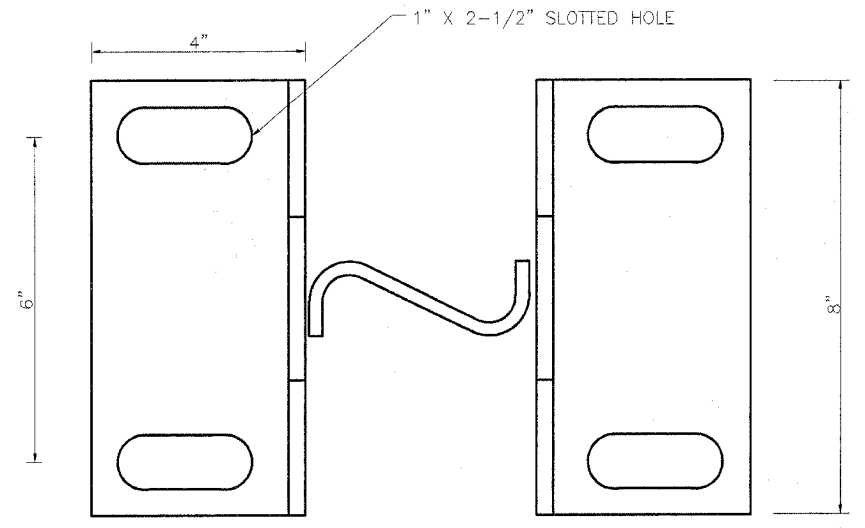


STANDARD SURFACE MOUNT POST
(LEFT-HAND SHOWN)

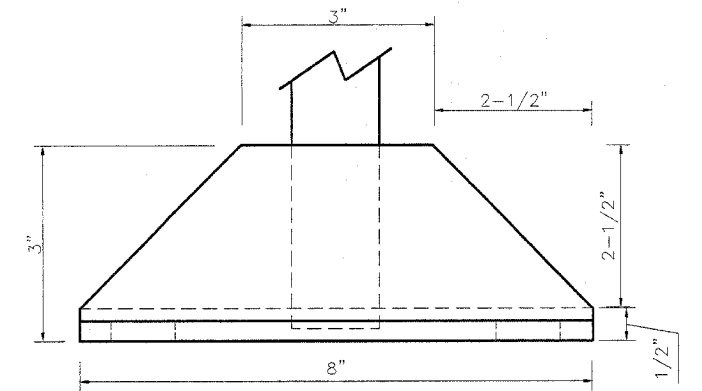


SECTION B-B

HOLD-DOWN HOOK



SECTION C-C



SECTION A-A

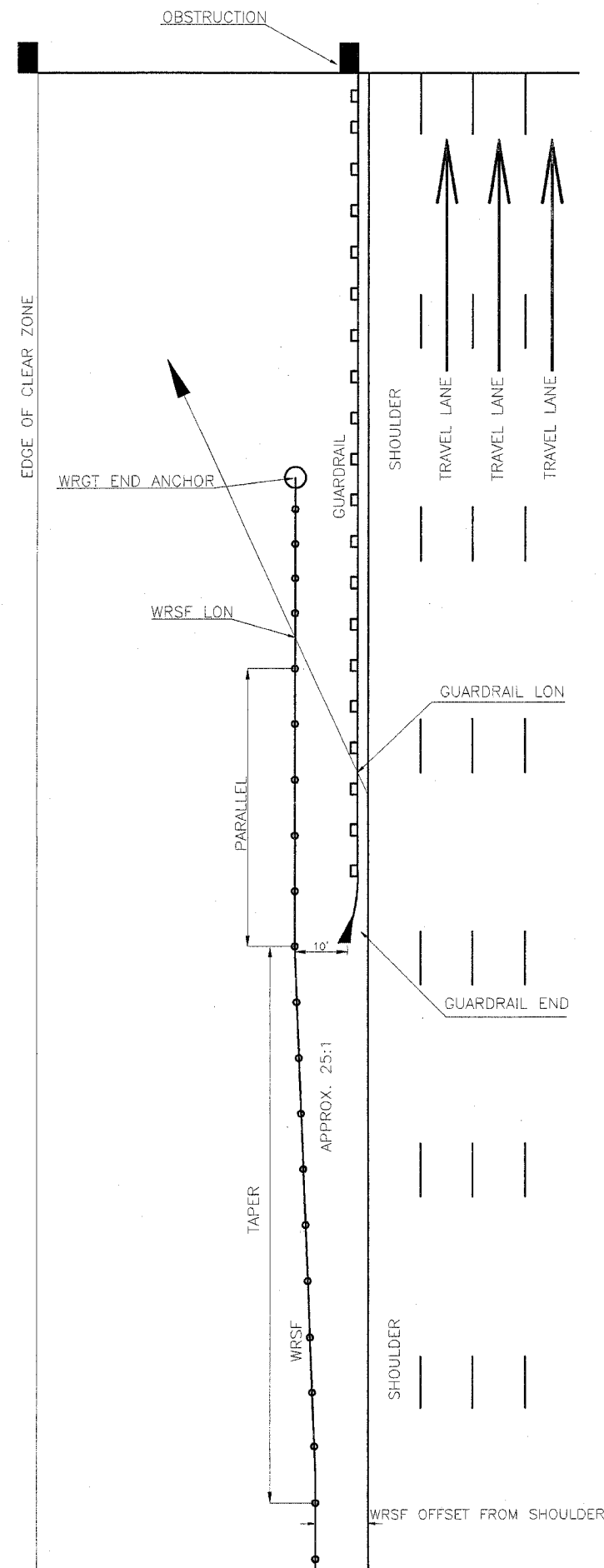
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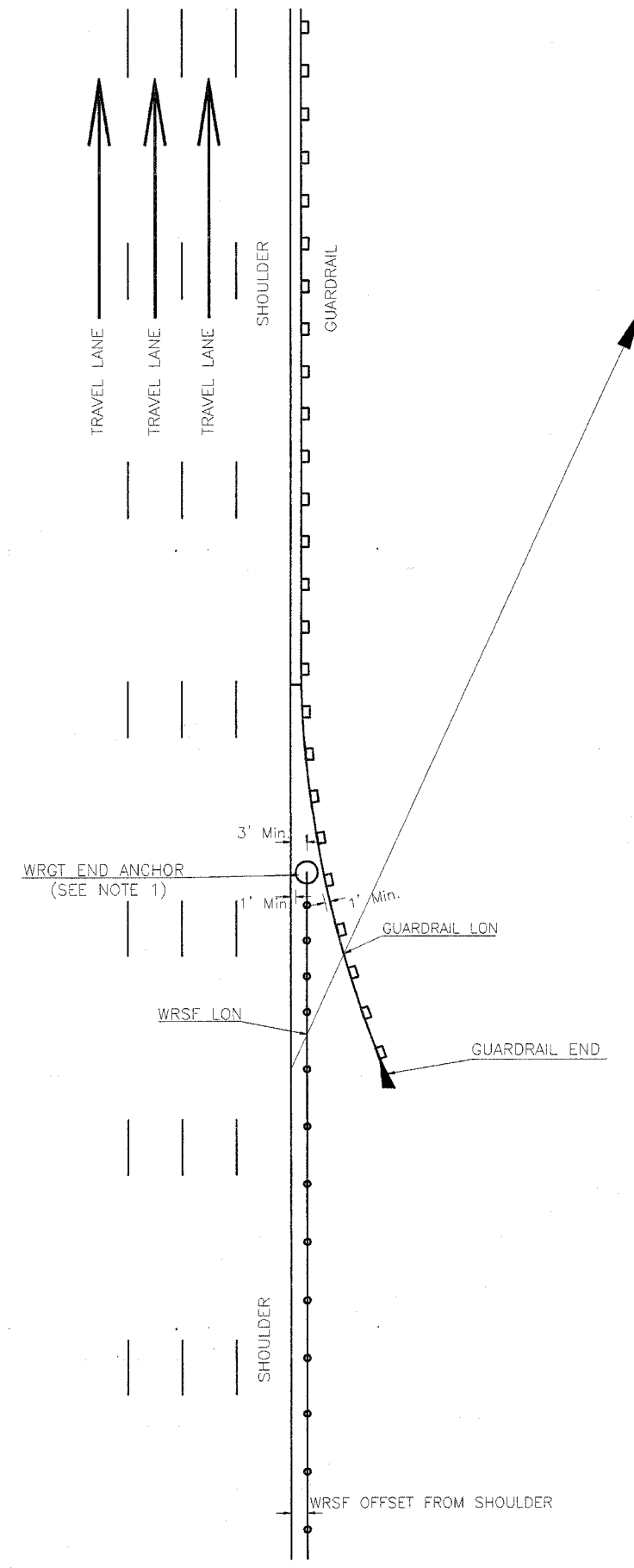
Revisions			SURFACE MOUNT POSTS (4-ROPES, TL-3)		
No.	Date	By	Date	Drawn By	Scale
1.	6.21.05	MW	5.17.05	Manita Workman	None
2.	6.28.05	MW	VERSION 8.6		Sheet No.
3.	7.21.05	MW			
4.	8.01.05	MW	Dwg. No. WRSF-05-207a	7 OF 11	
5.	8.04.05	MW			

- NOTES:
- ANCHOR BOLTS SHALL BE B7, GALVANIZED ALL-THREAD, SET INTO SURFACE WITH AN APPROVED EPOXY PER MANUFACTURER'S RECOMMENDATIONS. EACH BOLT TO HAVE ONE ASTM-194 GALVANIZED HS HEX NUT AND ONE GALVANIZED HARD ROUND FLAT ASTM-F436 WASHER.
 - ROPE HEIGHTS PER BRIFEN USA DRAWING NO. 3, 4 OR 5 (TL-3 OR TL-4).
 - DETAILS SHOWN ARE FOR 4-ROPES TL-3 SYSTEM. SIMILAR DESIGN USED FOR 3-ROPES TL-3 AND FOR TL-4 SYSTEMS (ROPE HEIGHTS & POST SIZE VARY).

FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2005-0381	COOK/WILL	58	55
STA.		STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 60A09				



PARALLEL GUARDRAIL



FLARED GUARDRAIL

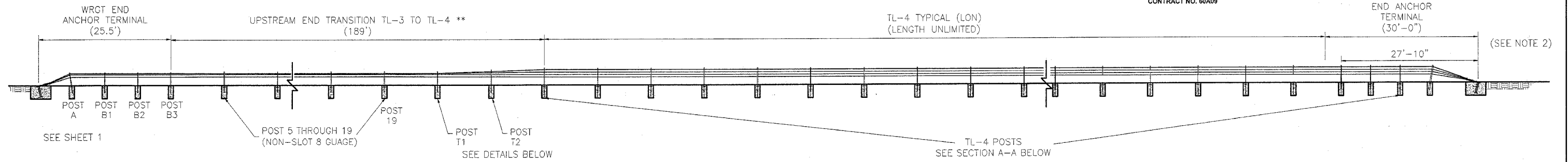
- NOTES:
1. WRSF MAY BE CONNECTED DIRECTLY TO GUARDRAIL; SEE SHEET 11 OR CONTACT BRIFEN USA, INC. AT 1-866-427-4336 TOLL FREE.
 2. FOR TL-4 SYSTEMS, SEE SHEET 9.

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Revisions			RECOMMENDED WRSF INTERFACE WITH GUARDRAIL (TL-3)		
			Date	Drawn By	Scale
1.	6.21.05	MW	5.17.05	Manita Workman	None
2.	6.28.05	MW	VERSION 8.6		Sheet No.
3.	7.21.05	MW			
4.	8.01.05	MW	Dwg. No. WRSF-50-208a		8 of 11
5.	8.04.05	MW			

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FBI	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RTE	2005-038 I	COOK/WILL	58	56
STA.		STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 60A09				

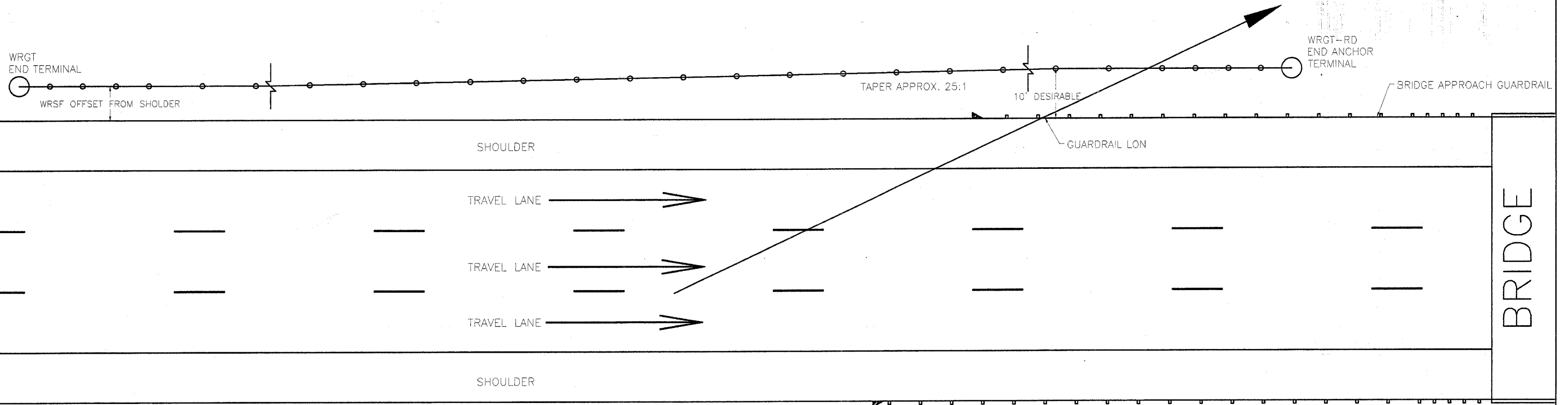


** PAID AS LF OF TL-4 WRSF

TYPICAL TL-4 LAYOUT

NOTE:

- WRGT-RD END ANCHOR TERMINAL MAY BE USED ON ANY TL-4 WRSF LOCATION SHIELDED FROM TRAFFIC (EXITING ENDS OF BRIDGES, ETC), OR WITH IN HORIZONTAL CLEAR ZONE ON DOWNSTREAM ENDS. ONLY IF HEAD-ON IMPACTS ARE UNLIKELY.
- SEE SHEET 11 FOR TL-4 END ANCHOR DETAILS.



PLAN

TL-4 WRSF @ BRIDGE APPROACHES

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BRIFEN USA INC.

Revisions			TL-4 WRSF AT BRIDGE APPROACHES (PARALLEL GUARDRAIL)		
No.	Date	By	Date	Drawn By	Scale
1.	6.21.05	MW	5.17.05	Manita Workman	None
2.	6.28.05	MW			
3.	7.21.05	MW	VERSION 8.6		
4.	8.01.05	MW			
5.	8.04.05	MW	Dwg. No.	WRSF-05-209a	9 of 11

FBI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2005-0381	COOK/WILL	58	57
STA.		STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 60A09				

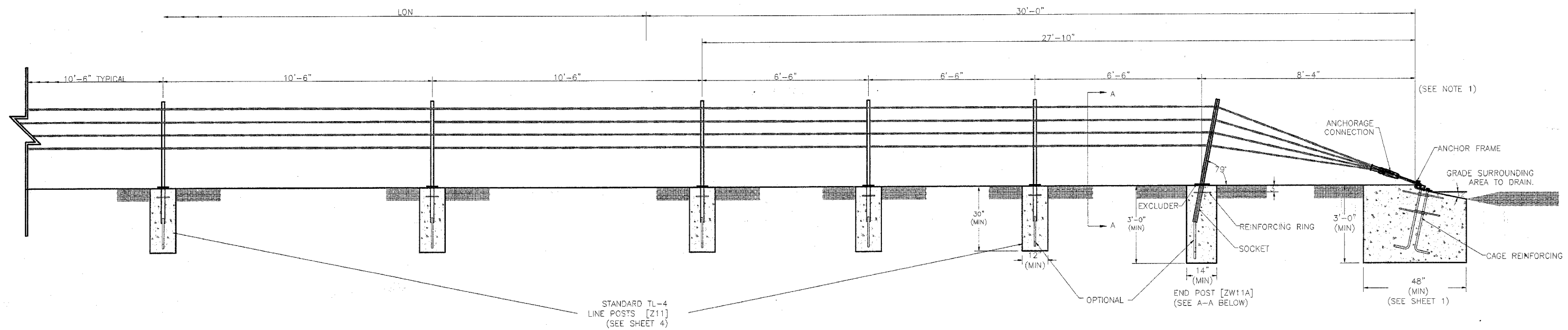
SHEET 10 OF 11 INTENTIONALLY LEFT BLANK

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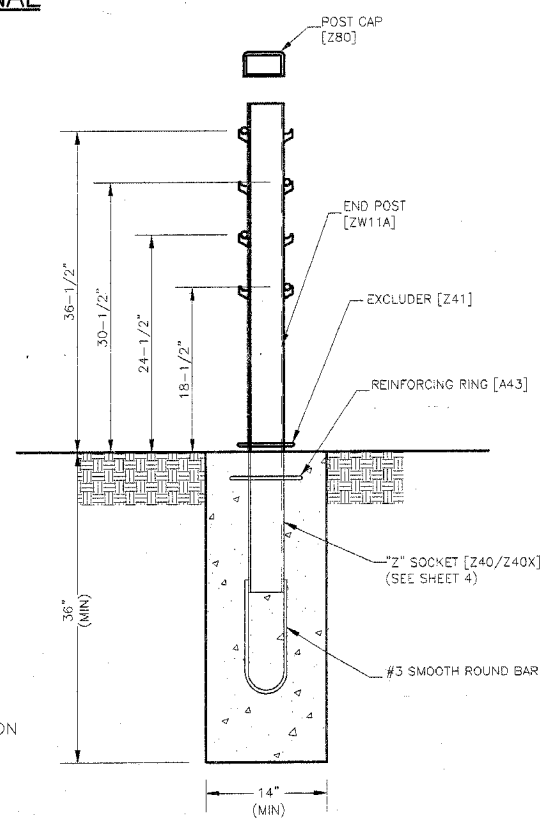
BRIFEN★USA INC.

Revisions			WRSF ATTACHMENT TO GUARDRAIL		
No.	Date	By	Date	Drawn By	Scale
1.			7.06.05	Manita Workman	None
2.			VERSION 8.5		Sheet No. 10 of 11
3.			Dwg. No.	WRSF-05-210a	
4.					
5.					

FAI RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2005-0381	COOK/WILL	58	58
STA.		STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 60A09				



WRGT-RD TERMINAL
(SEE NOTE 1)



END POST & FOUNDATION DETAIL
SECTION A-A

- NOTE:
- MAY BE USED ON ANY TL-4 WRSF LOCATION SHIELDED FROM TRAFFIC (EXITING ENDS OF BRIDGES, ETC), OR WITHIN HORIZONTAL CLEAR ZONE ON DOWNSTREAM ENDS ONLY IF HEAD-ON IMPACTS ARE UNLIKELY.
 - FOR ADDITIONAL INFORMATION, CONTACT BRIFEN USA, INC. AT 1-866-427-4336 TOLL FREE.

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Revisions			WRGT-RD END TERMINALS (FOR TL-4 SYSTEM)		
No.	Date	By	Date	Drawn By	Scale
1.	8.01.05	MW	7.21.05	Manita Workman	None
2.	8.08.05	MW			
3.			VERSION 8.6		
4.					
5.			Dwg. No.	WRSF-05-211a	Sheet No. 11 of 11