

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8027	12RS-4,TS-1	SANGAMON	31	1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAU ROUTE 8027 (TAINTOR ROAD)
SECTION 12RS-4,TS-1
PROJECT: M-8027(003)
SANGAMON COUNTY
C-96-504-06

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT DESCRIPTION:

SMART RESURFACING PROJECT
TAINTOR RD., SANGAMON AVE. TO PEORIA RD.,
SPRINGFIELD, IL. (1.52 mi.)

TRAFFIC SIGNAL MODERNIZATION AT
TAINTOR AND BROWNING ROAD

STA. 0 + 20.00 BEGIN
SEC. 12RS-4,TS-1

STA. 78 + 50.00 END
SEC. 12RS-4,TS-1

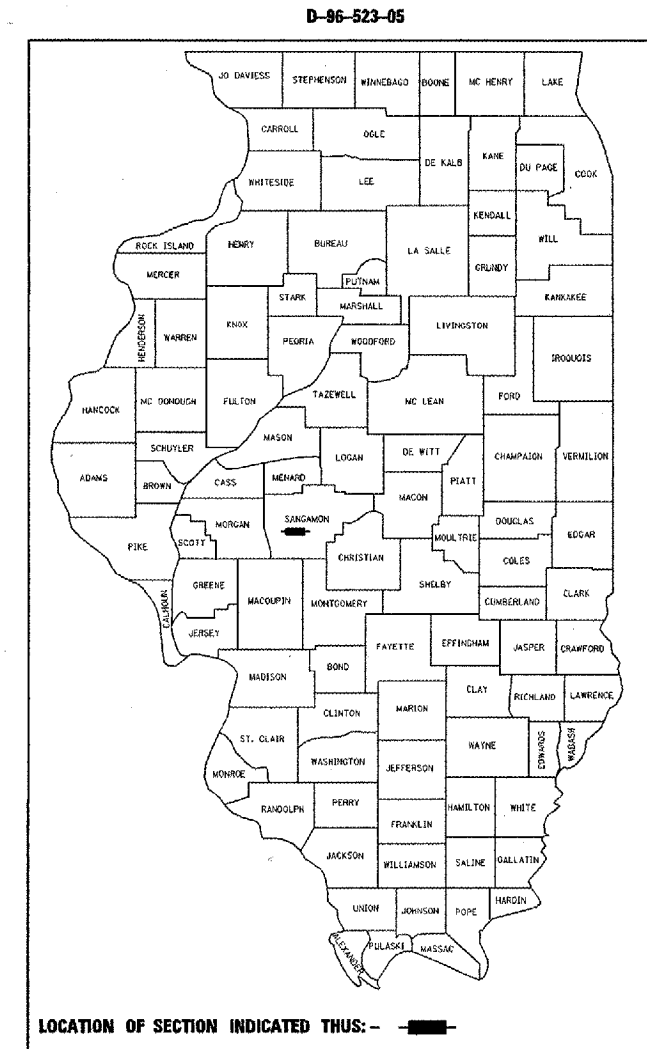


LOCATION MAP

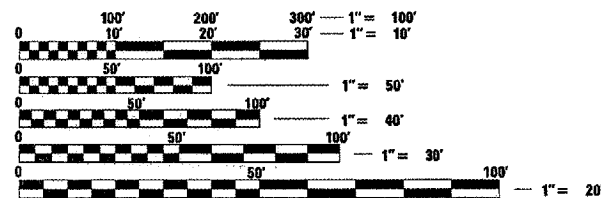
NET LENGTH PROJECT = 7,830.00 FT. = 1.5 MI.

DESIGN DESIGNATION

FAU 8027 (TAINTOR RD.)
ROADWAY CLASSIFICATION: OTHER PRINCIPLE ARTERIAL
CRS: 5.4 (2005)
ADT 1700 (2003) PU, 175 (2003) MU



LOCATION OF SECTION INDICATED THUS: - ■ -



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

CONTRACT NO. 72985

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED APR 13, 2005
Chris M. Road
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 13, 2005
Mike Hine
ENGINEER OF DESIGN AND ENVIRONMENT

May 13, 2005
Victor Moderer
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

SQUAD LEADER: MARCUS BRUCE (217) 785-5336

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8027	12RS-4,TS-1	SANGAMON	31	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

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- 2 GENERAL NOTES, INDEX, HIGHWAY STANDARDS, APPLICATION RATES, AND MIX REQUIREMENTS
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- 10 SCHEDULE OF QUANTITIES
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- 28 PROPOSED CABLE DIAGRAM
- 29 LEGEND FOR TRAFFIC SIGNAL DETAILS
- 30-31 TRAFFIC SIGNAL DETECTOR LOOP DETAILS

HIGHWAY STANDARDS

- 000001-04 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 442201-01 CLASS C AND D PATCHES
- 630301-03 SHOULDER WIDENING FOR TYPE 1, (SPECIAL) GUARDRAIL TERMINALS
- 631006-03 TRAFFIC BARRIER TERMINAL, TYPE 1B
- 635006-02 REFLECTOR AND TERMINAL MARKER PLACEMENT
- 635011-01 REFLECTOR MARKER AND MOUNTING DETAILS
- 664001-01 CHAIN LINK FENCE
- 701006-02 OFF-RD OPERATIONS 2L, 2W 4.5M (15') TO PAVEMENT EDGE FOR SPEEDS > 45MPH
- 701201-02 LANE CLOSURE, 2L, 2W, DAY ONLY ON-RD TO 600 MM (24") OFF-RD FOR SPEEDS > 45 MPH
- 701306-01 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS-DAY ONLY FOR SPEEDS > 45 MPH
- 701311-02 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
- 702001-05 TRAFFIC CONTROL DEVICES
- 780001-01 TYPICAL PAVEMENT MARKINGS
- 781001-02 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

RATES OF APPLICATION

THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES
 PRIMECOAT (BITUMINOUS) - 0.00038 TONS/SQ YD
 PRIMECOAT (AGGREGATE) - 0.002 TONS/SQ YD
 SURFACE COURSE - BITUMINOUS - 0.056 TONS/SQ YD*IN
 AGGREGATE - SHOULDERS - 2.05 TONS/CU YD

MIXTURE REQUIREMENTS

THE FOLLOWING MIX REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT

MIXTURE USE	SURFACE/SHOULDERS	INCIDENTAL SURFACE
PG:	PG 64-22	PG 64-22
RAP % (MAX)	15%	15%
DESIGN AIR VOIDS	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5 OR 12.5	IL 9.5 OR 12.5
FRICTION AGGREGATE	MIX "C"	MIX "C"

GENERAL NOTES

THE STANDARDS AND REVISION NUMBER LISTED SHALL APPLY TO THIS PROJECT

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARK AND MONUMENTS UNTIL THE OWNER AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR ACTION.

THE NOMINAL THICKNESS FOR BITUMINOUS SURFACE COURSE IS SHOWN ON THE TYPICAL SECTIONS AND SCHEDULES. THE CONSTRUCTED THICKNESS OF THE ABOVE ITEM SHALL NOT BE LESS THAN 90 PERCENT OF THE NOMINAL THICKNESS AT ANY LOCATION.

THE THICKNESS OF BITUMINOUS SURFACE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING PAVEMENT ON WHICH THE BITUMINOUS SURFACE IS BEING PLACED.

CONTINUOUS PAVING OPERATIONS ON THE MAIN ROADWAY SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION OF THE BITUMINOUS SURFACE. NO INTERRUPTIONS FOR SIDEROADS, ENTRANCES, ETC. WILL BE ALLOWED.

THE LOCATIONS OF EXISTING, WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWE LINES, TELEPHONE LINES, AND OTHER UTILITIES AS SHOWN O THE PLANS ARE BASED ON THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.

ALL ELEVATIONS SHOWN ON THE PLANS ARE ESTABLISHED FROM U.S.G.S. MEAN SEA LEVEL DATUM.

ALL MATERIAL RESULTING FROM THE BITUMINOUS SURFACE REMOVAL WILL REMAIN THE PROPERTY OF THE STATE. THE CONTRACTOR SHALL STOCKPILE THIS MATERIAL AT THE IDOT DISTRICT 6 SPRINGFIELD WEST MAINTENANCE YARD LOCATED AT 650 NORTH LINCOLN AVENUE, SPRINGFIELD, ILLINOIS, 62702.

IDOT DISTRICT 6	
EXAMINED	<i>[Signature]</i> 2005 OPERATIONS ENGINEER
EXAMINED	<i>[Signature]</i> 2005 PROGRAM IMPLEMENTATION ENGINEER
EXAMINED	<i>[Signature]</i> 2005 PROGRAM DEVELOPMENT ENGINEER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**GENERAL NOTES
 AND INDEX OF SHEETS**
 FAU 8027 (TAINTOR RD.)
 SECTION 12RS-4,TS-1
 SANGAMON COUNTY
 SCALE: VERT. DRAWN BY TMJ
 HORIZ. CHECKED BY MEB
 DATE 02-14-05

Rev.

PLOT DATE = 4/1/2005
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8027	12RS-4,TS-1	SANGAMON	31	3
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

CODE NUMBER	PAY ITEM	UNITS	URBAN QUANTITY TOTAL	80% FED / 20% STATE	
				1000 QUANTITY ROADWAY	Y031-1F QUANTITY SIGNALS
X0322472	RADIUS GUARDRAIL	EACH	1	1	
X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX 'C'	TON	1970	1970	
X8950910	REBUILD EXISTING SIGNAL HEAD FACE, 3-SECTION, LED	EACH	6		6
X8950915	REBUILD EXISTING SIGNAL HEAD FACE, 4-SECTION, LED	EACH	2		2
X8950920	REBUILD EXISTING SIGNAL HEAD FACE, 5-SECTION, LED	EACH	2		2
X4080020	INCIDENTAL BITUMINOUS SURFACING, SUPERPAVE, N 50	TON	70	70	
20400800	FURNISHED EXCAVATION	CU YD	13	13	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	9	9	
40600300	AGGREGATE (PRIME COAT)	TON	47	47	
40600990	TEMPORARY RAMP	SQ YD	168	168	
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	168	168	
44000006	BITUMINOUS SURFACE REMOVAL, 1.5"	SQ YD	23458	23458	
44200144	PAVEMENT PATCHING, TY II, 12"	SQ YD	50	50	
48101200	AGGREGATE SHOULDERS, TY B	TON	87	87	
63100167	TRAFFIC BARRIER TERMINAL TY I, SPECIAL (TANGENT)	EACH	7	7	
63200310	GUARDRAIL REMOVAL	FOOT	350	350	
66400505	CHAIN LINK FENCE, 8'	FOOT	300	300	
67100100	MOBILIZATION	L SUM	1	1	
70100450	TRAFFIC CONTROL AND PROTECTION STANDARD 701201	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION STANDARD 701306	L SUM	1	1	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	3254	3254	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	543	543	
78000300	THERMOPLASTIC PAVEMENT MARKING - LINE 5"	FOOT	25432	25432	
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	90	90	
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	45	45	
78003130	PREFORMED PLASTIC PAVEMENT MARKING, TY B - LINE 6"	FOOT	280	280	
78003180	PREFORMED PLASTIC PAVEMENT MARKING, TY B - LINE 24"	FOOT	79	79	
78201000	TERMINAL MARKERS - DIRECT APPLIED	EACH	7	7	
88600100	DETECTOR LOOP, TY I	FOOT	712		712
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1		1

REVISIONS	
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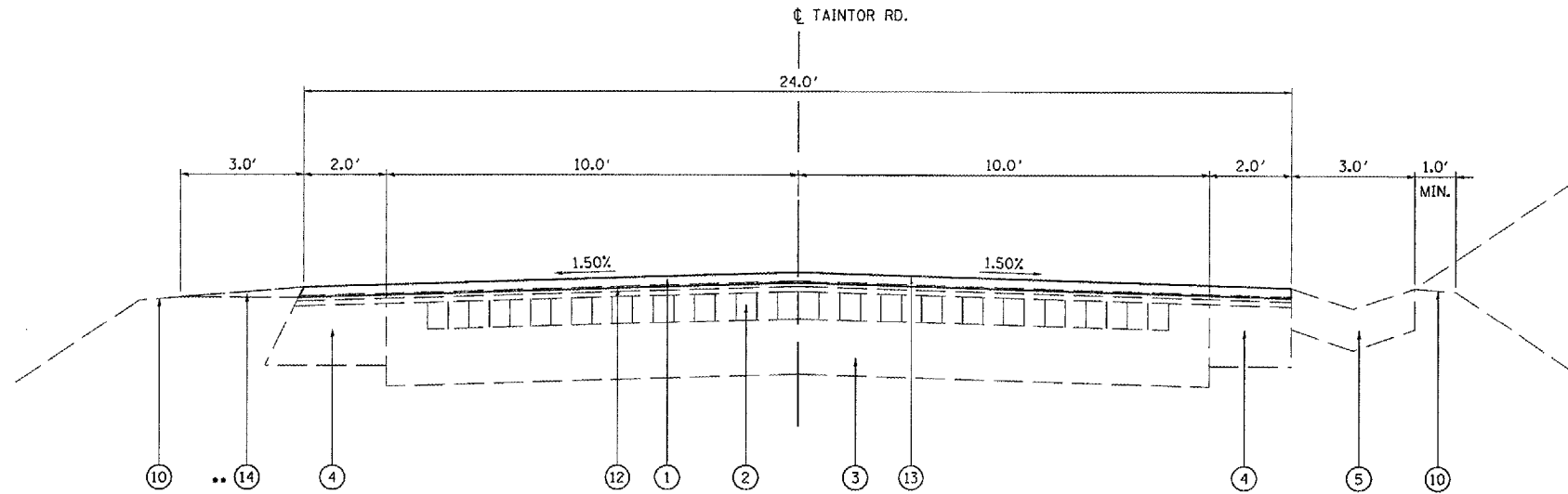
ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

FAU 8027 (TAINTOR RD.)
SECTION 12RS-4,TS-1
SANGAMON COUNTY

SCALE: VERT. DRAWN BY TMJ
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DATE 02-14-05

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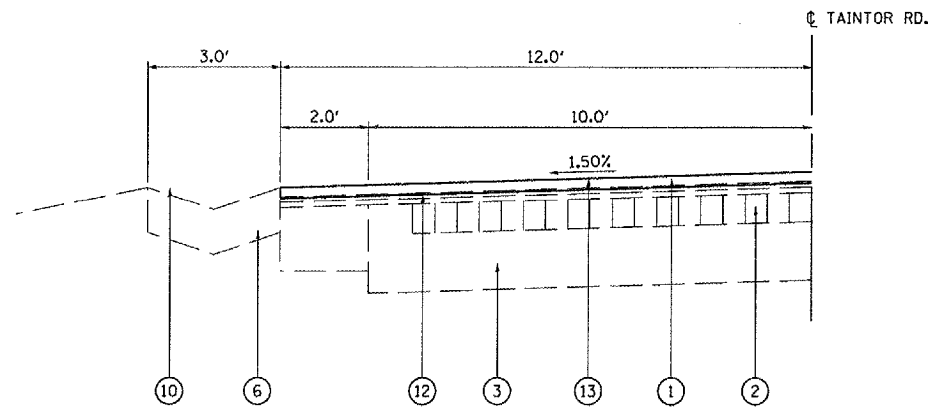


** PR. AGG. SHLDR., TY B
 STA. 16+58 - 17+48, LT.
 STA. 17+83 - 18+13, LT.
 STA. 18+43 - 19+44, LT.

TAINTOR ROAD

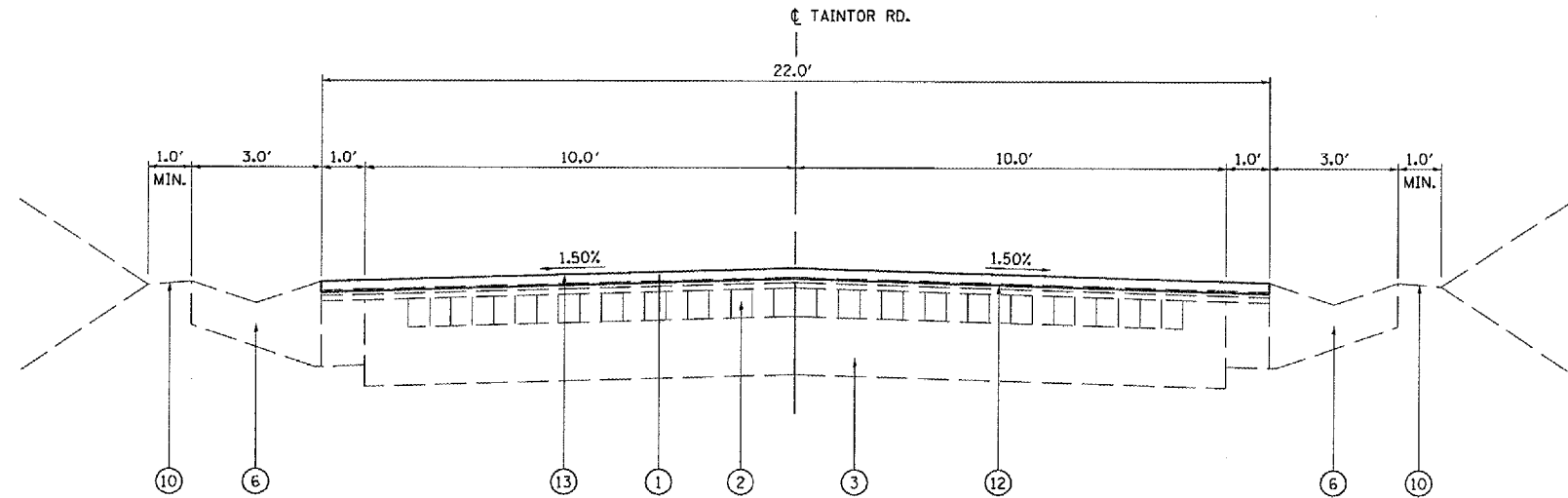
STA. 0+46 - 6+65, RT.
 STA. 0+46 - 2+10, LT.
 STA. 12+40 - 12+52, LT.
 STA. 12+52 - 14+60, LT.
 STA. 10+50 - 11+69.89, RT.
 STA. 12+52 - 14+60, RT.

STA. 0+46 - 1+25, RT.
 (EXIST. CURB & GUTTER TRANSITION)



TAINTOR ROAD

STA. 2+10 - 8+85, LT.



TAINTOR ROAD

STA. 8+85 - 11+69.890, LT.
 STA. 6+65 - 10+50, RT.

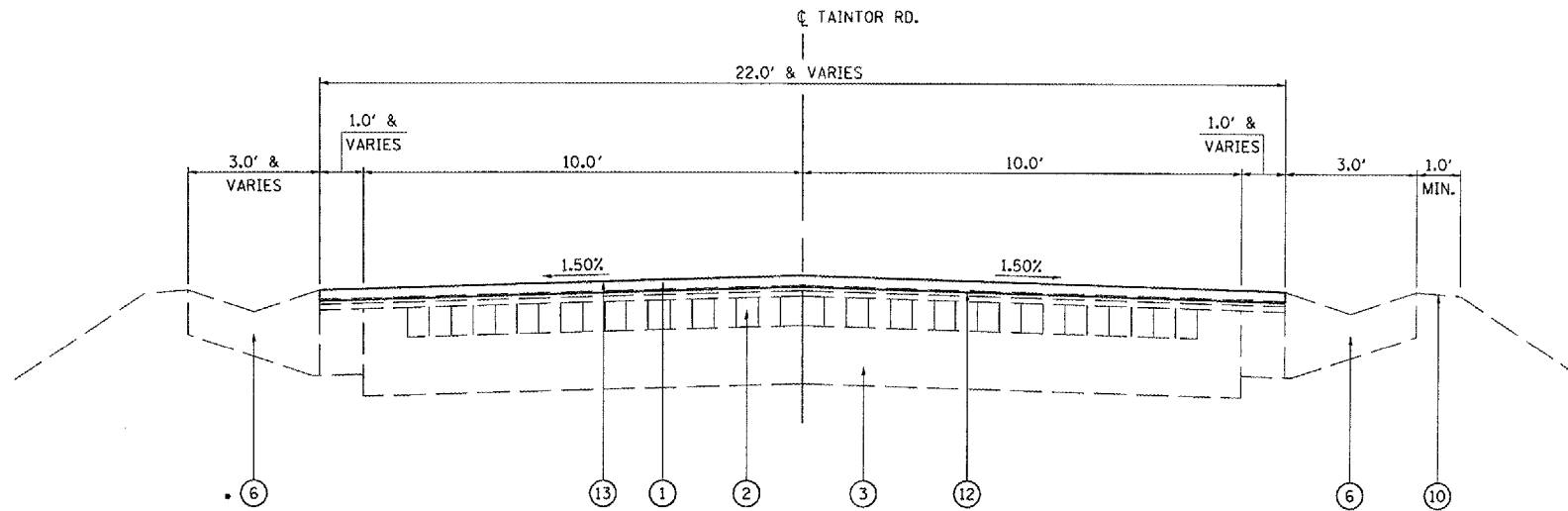
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| ① EXISTING BITUMINOUS CONCRETE SURFACE | ⑧ EXISTING CONCRETE CURB & GUTTER TY. B-6.24 |
| ② EXISTING ORIGINAL BRICK PAVEMENT | ⑨ EXISTING BITUMINOUS SHOULDER, 8" |
| ③ EXISTING PCC PAVEMENT | ⑩ EXISTING EARTH SHOULDER |
| ④ EXISTING BITUMINOUS CONCRETE BASE COURSE WIDENING, 9" | ⑪ EXISTING SUB-BASE |
| ⑤ EXISTING CONCRETE GUTTER TY. A | ⑫ PROPOSED BITUMINOUS SURFACE REMOVAL (CM), 1.5" |
| ⑥ EXISTING CONCRETE GUTTER TY. A, MODIFIED | ⑬ PROPOSED BITUMINOUS CONCRETE SURFACE COURSE, MIX C, N50, 1.5" |
| ⑦ EXISTING CONCRETE GUTTER TY. B, MODIFIED | ⑭ PROPOSED AGGREGATE SHOULDER, TY B |

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ILLINOIS DEPARTMENT OF TRANSPORTATION
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 SANGAMON COUNTY
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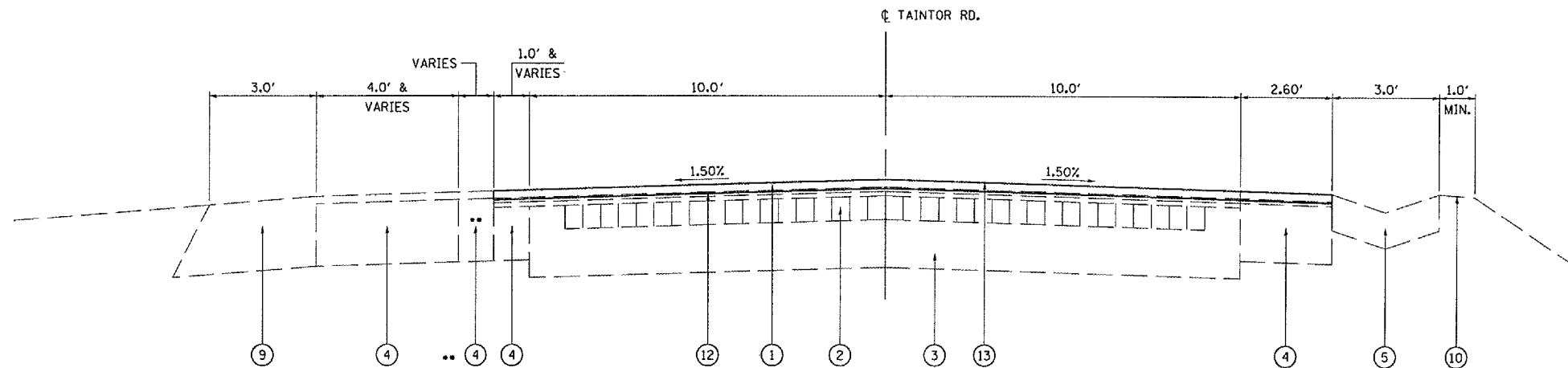
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8027	12RS-4,TS-1	SANGAMON	31	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



• STA. 11+69.89 - 12+01.59, EXIST. GUTTER
 • STA. 12+01.59 - 12+38.60, EXIST. CUTTER OUTLET & BITUMINOUS BASE COURSE WIDENING

TAINTOR ROAD
 STA. 11+69.89 - 12+40



•• ON RADIUS

TAINTOR ROAD
 STA. 12+40 - 12+52

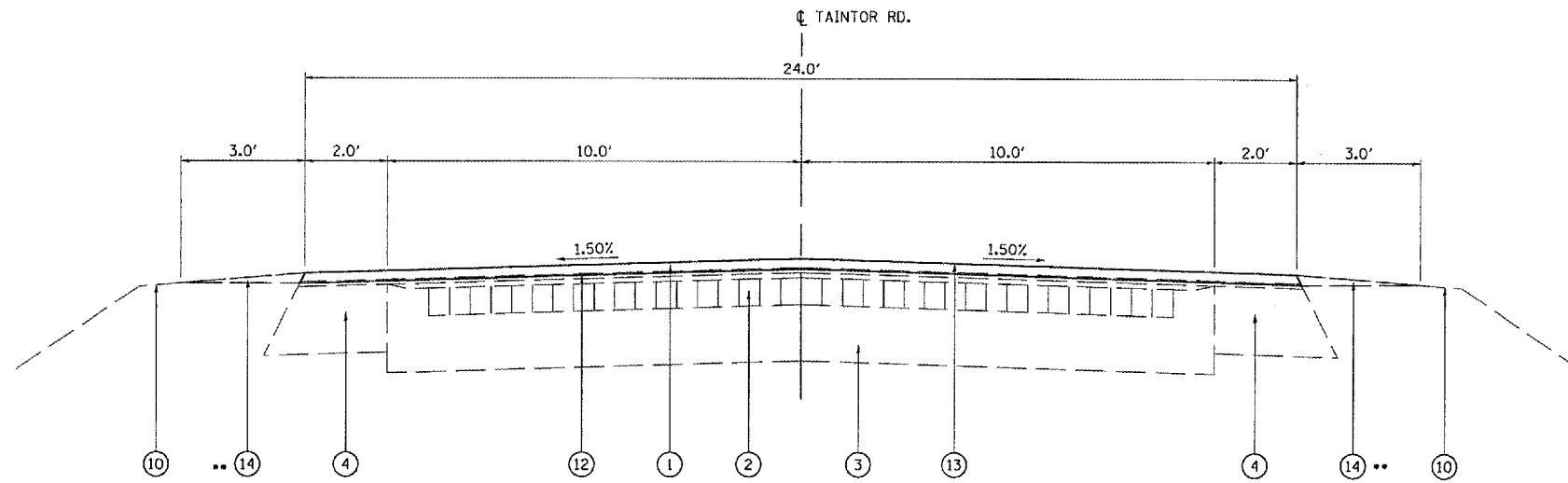
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| ⑦ EXISTING CONCRETE GUTTER TY. B, MODIFIED | ⑭ PROPOSED AGGREGATE SHOULDER, TY B |

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REVISIONS	
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ILLINOIS DEPARTMENT OF TRANSPORTATION
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8027	12RS-4,TS-1	SANGAMON	31	6
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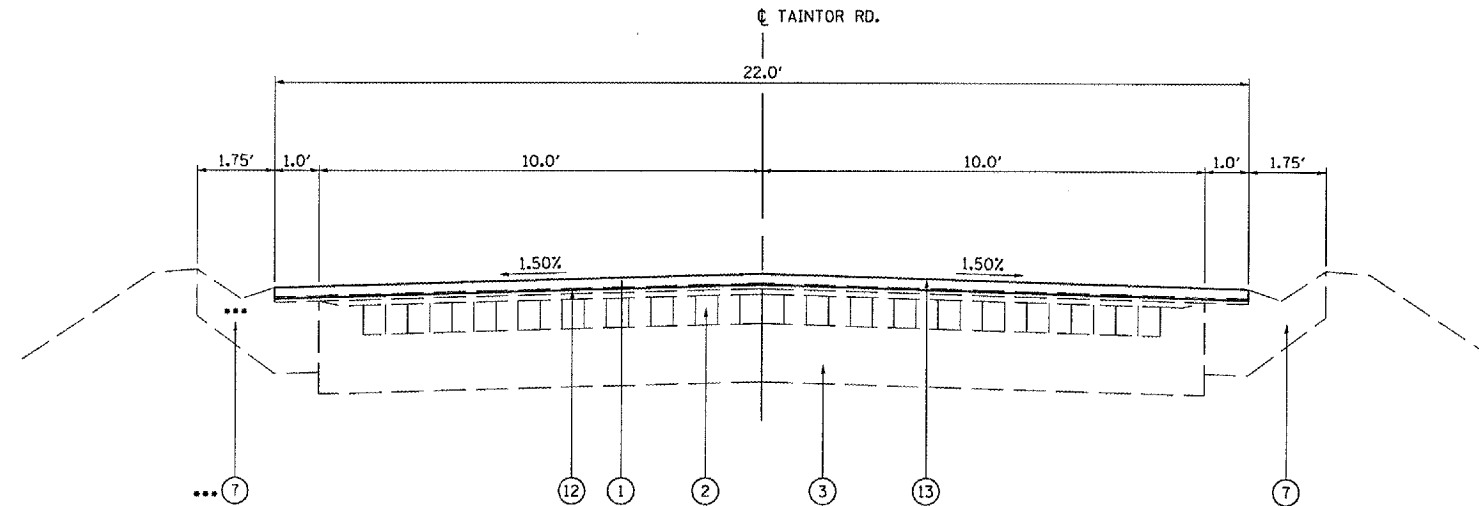


** PR. AGG. SHLDR., TY B
 STA. 16+58 - 17+48, LT.
 STA. 17+83 - 18+13, LT.
 STA. 18+43 - 19+44, LT.
 STA. 30+02 - 36+18, LT.
 STA. 36+69 - 38+99, LT.
 STA. 64+61.5 - 71+95, LT.

TAINTOR ROAD

STA. 14+60 - 15+12
 STA. 15+12 - 16+60, RT.
 STA. 16+60 - 19+00
 STA. 19+00 - 20+00, LT.
 STA. 47+60 - 47+90
 STA. 75+85 - 77+16, RT.

** PR. AGG. SHLDR., TY B
 STA. 14+41 - 17+75, RT.
 STA. 18+29 - 18+72, RT.
 STA. 30+26 - 38+24, RT.
 STA. 75+74 - 75+87, RT.
 STA. 76+21 - 77+13, RT.



*** STA. 77+00 - 77+50, LT.
 TRANSITION FROM EXIST. CONC.
 GUTTER TY B MODIFIED
 TO EXIST. COMB. CURB & GUTTER
 TY B-6.24

TAINTOR ROAD

STA. 15+12 - 16+60, LT.
 STA. 19+00 - 20+00, RT.
 STA. 20+00 - 28+29
 STA. 46+47 - 47+60
 STA. 69+21 - 72+00, RT.
 STA. 72+00 - 75+85
 STA. 75+85 - 77+50, LT.

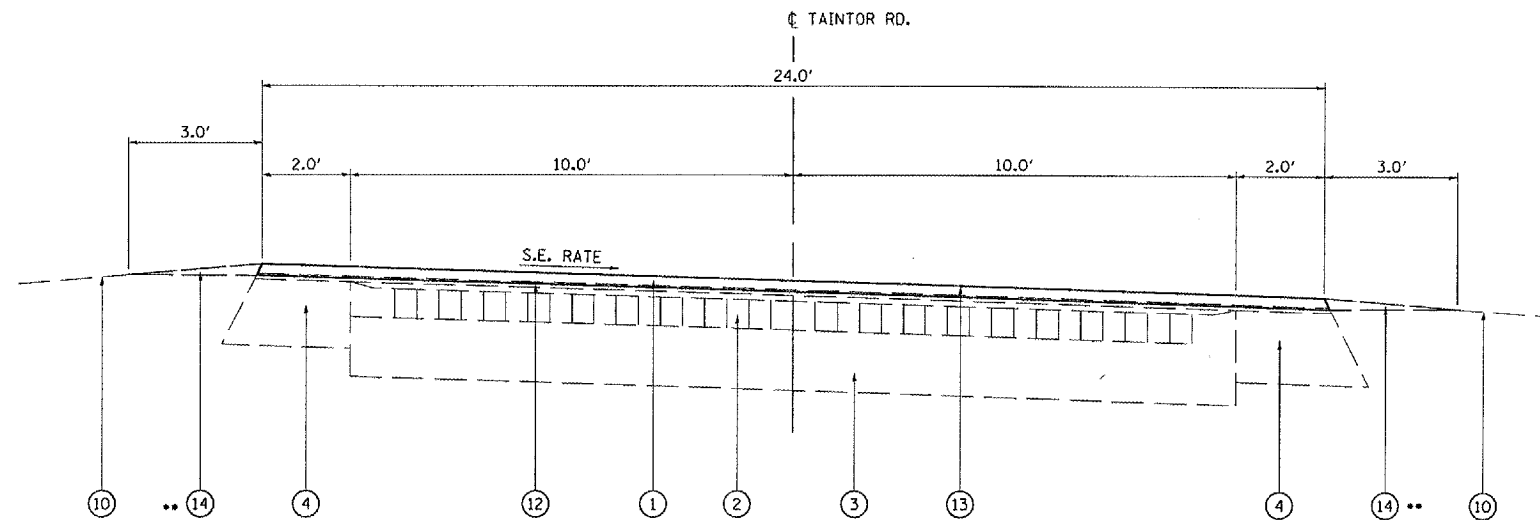
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- ④ EXISTING BITUMINOUS CONCRETE BASE COURSE WIDENING, 9"
- ⑤ EXISTING CONCRETE GUTTER TY. A
- ⑥ EXISTING CONCRETE GUTTER TY. A, MODIFIED
- ⑦ EXISTING CONCRETE GUTTER TY. B, MODIFIED
- ⑧ EXISTING CONCRETE CURB & GUTTER TY. B-6.24
- ⑨ EXISTING BITUMINOUS SHOULDER, 8"
- ⑩ EXISTING EARTH SHOULDER
- ⑪ EXISTING SUB-BASE
- ⑫ PROPOSED BITUMINOUS SURFACE REMOVAL (CM), 1.5"
- ⑬ PROPOSED BITUMINOUS CONCRETE SURFACE COURSE, MIX C, N50, 1.5"
- ⑭ PROPOSED AGGREGATE SHOULDER, TY B

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ILLINOIS DEPARTMENT OF TRANSPORTATION
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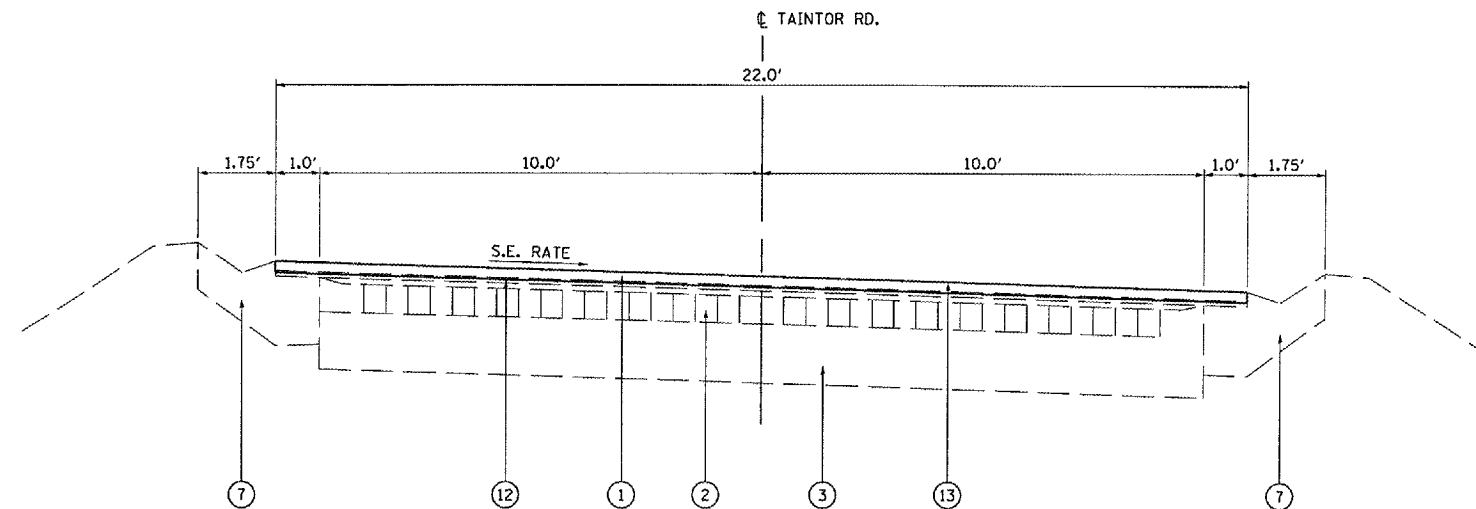
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 STA. 76+21 - 77+13, RT.

TAINTOR ROAD
 STA. 30+00 - 38+28
 STA. 38+28 - 39+00, LT.



TAINTOR ROAD
 STA. 28+29 - 30+00
 STA. 38+28 - 39+00, RT.
 STA. 39+00 - 46+47

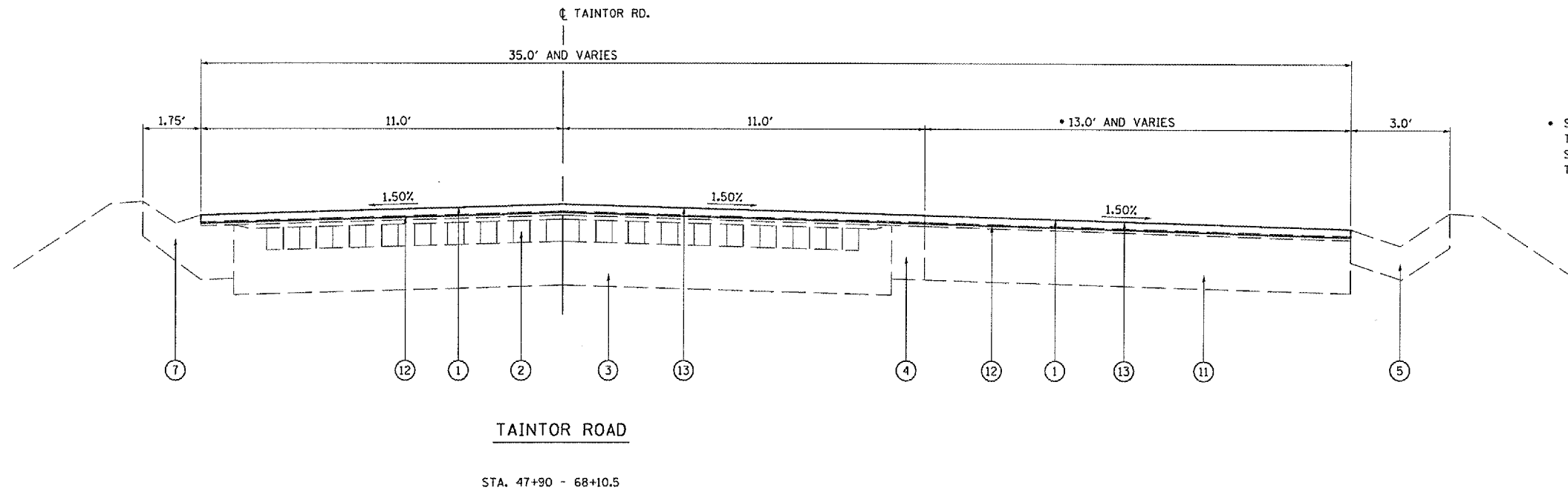
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REVISIONS	
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ILLINOIS DEPARTMENT OF TRANSPORTATION
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 SANGAMON COUNTY
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STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



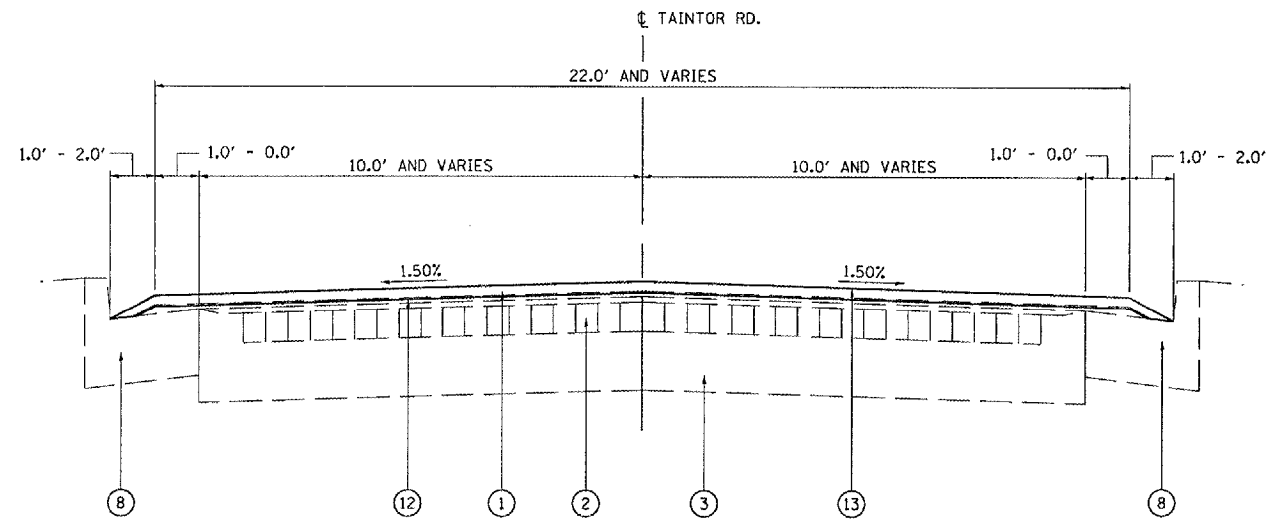
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| ③ EXISTING PCC PAVEMENT | ⑩ EXISTING EARTH SHOULDER |
| ④ EXISTING BITUMINOUS CONCRETE BASE COURSE WIDENING, 9" | ⑪ EXISTING SUB-BASE |
| ⑤ EXISTING CONCRETE GUTTER TY. A | ⑫ PROPOSED BITUMINOUS SURFACE REMOVAL (CM), 1.5" |
| ⑥ EXISTING CONCRETE GUTTER TY. A, MODIFIED | ⑬ PROPOSED BITUMINOUS CONCRETE SURFACE COURSE, MIX C, N50, 1.5" |
| ⑦ EXISTING CONCRETE GUTTER TY. B, MODIFIED | ⑭ PROPOSED AGGREGATE SHOULDER, TY B |

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
 FAU 8027 (TAINTOR RD.)
 SECTION 12RS-4,TS-1
 SANGAMON COUNTY
 SCALE: VERT. _____
 HORIZ. _____
 DATE 02-14-05
 DRAWN BY TMJ
 CHECKED BY MEB

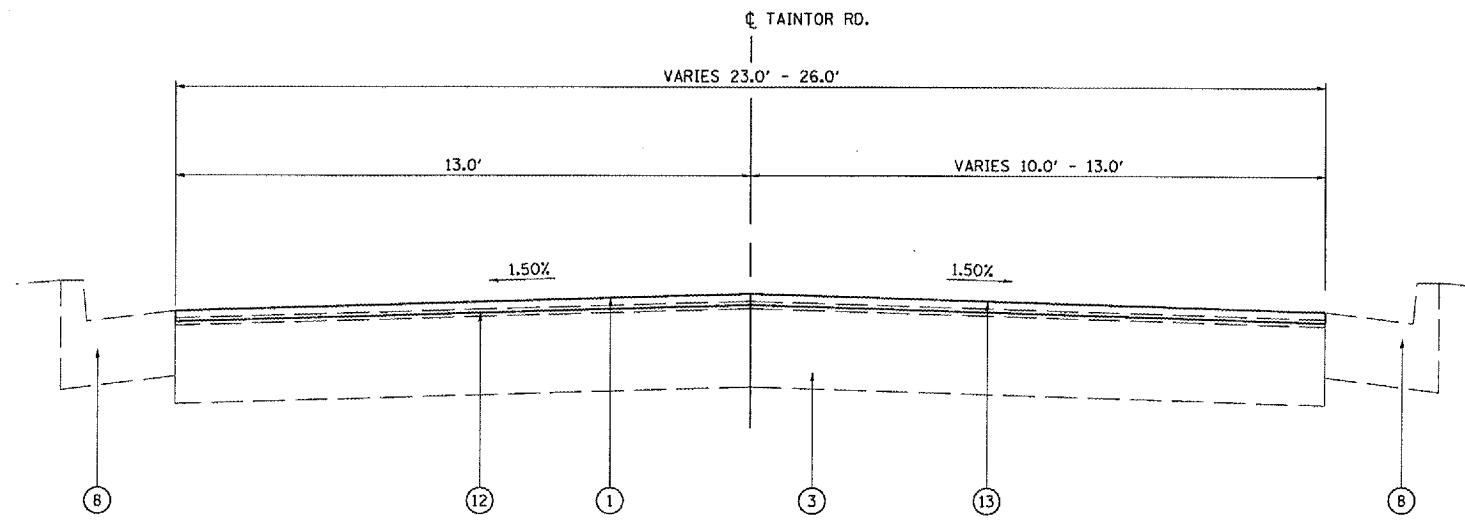
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8027	12RS-4,TS-1	SANGAMON	31	9
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



TAINTOR ROAD

STA. 77+16 - 77+90, RT.
STA. 77+50 - 77+90, LT.



TAINTOR ROAD

STA. 77+90 - 78+50

- | | |
|---|---|
| ① EXISTING BITUMINOUS CONCRETE SURFACE | ⑧ EXISTING CONCRETE CURB & GUTTER TY. B-6.24 |
| ② EXISTING ORIGINAL BRICK PAVEMENT | ⑨ EXISTING BITUMINOUS SHOULDER, 8" |
| ③ EXISTING PCC PAVEMENT | ⑩ EXISTING EARTH SHOULDER |
| ④ EXISTING BITUMINOUS CONCRETE BASE COURSE WIDENING, 9" | ⑪ EXISTING SUB-BASE |
| ⑤ EXISTING CONCRETE GUTTER TY. A | ⑫ PROPOSED BITUMINOUS SURFACE REMOVAL (CM), 1.5" |
| ⑥ EXISTING CONCRETE GUTTER TY. A, MODIFIED | ⑬ PROPOSED BITUMINOUS CONCRETE SURFACE COURSE, MIX C, N50, 1.5" |
| ⑦ EXISTING CONCRETE GUTTER TY. B, MODIFIED | ⑭ PROPOSED AGGREGATE SHOULDER, TY B |

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REFERENCE = #REF#

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
FAU 8027 (TAINTOR RD.)
SECTION 12RS-4,TS-1
SANGAMON COUNTY
SCALE: VERT. DRAWN BY TMJ
HORIZ. CHECKED BY MEB
DATE 02-14-05

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8027	12RS-4,TS-1	SANGAMON	31	10
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

RESURFACING SCHEDULE			
PAY ITEM	SANGAMON AVENUE TO 8TH ST	8TH ST TO PEORIA RD	TOTALS
BITUMINOUS SURFACE REMOVAL - 1 1/2" (SQ YD)	12840	10618	23458
BITUMINOUS MATERIALS (PRIME COAT) (TONS)	5	4	9
AGGREGATE (PRIME COAT) (TONS)	26	21	47
BITUMINOUS SURFACE COURSE, SUPERPAVE, MIX "C", N50 (TONS)	1078	892	1970
AGGREGATE SHOULDERS, TY B (TONS)	63	24	87

INCIDENTAL SURFACING SCHEDULE	
LOCATION	QUANTITY
STA 66+31 rt GATE 5 (TONS)	4.5
STA 58+02 rt GATE 6 (TONS)	19
STA 48+01 rt, STA 48+65 rt GATE 7 (TONS)	9.5
STA 68+24 lt ANIMAL PROTECTIVE LEAGUE RD (TONS)	11
STA 48+65 lt 8TH ST (TONS)	26

GUARDRAIL SCHEDULE	
TRAFFIC BARRIER TERMINAL, TY 1 SPECIAL(TANGENT)	
LOCATION	QUANTITY(EACH)
Sta 7+00 Rt	1
Sta 8+83 Lt	1
Sta 9+87 Rt	1
Sta 12+37 Lt	1
Sta 17+28 Lt	1
Sta 29+99 Lt	1
Sta 34+42 Lt	1
TOTALS	7
RADIUS GUARDRAIL	
LOCATION	QUANTITY(EACH)
Sta 15+00 Lt	1
TOTALS	1

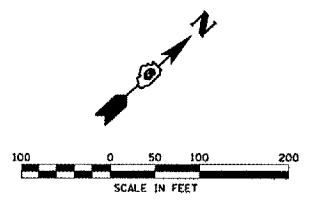
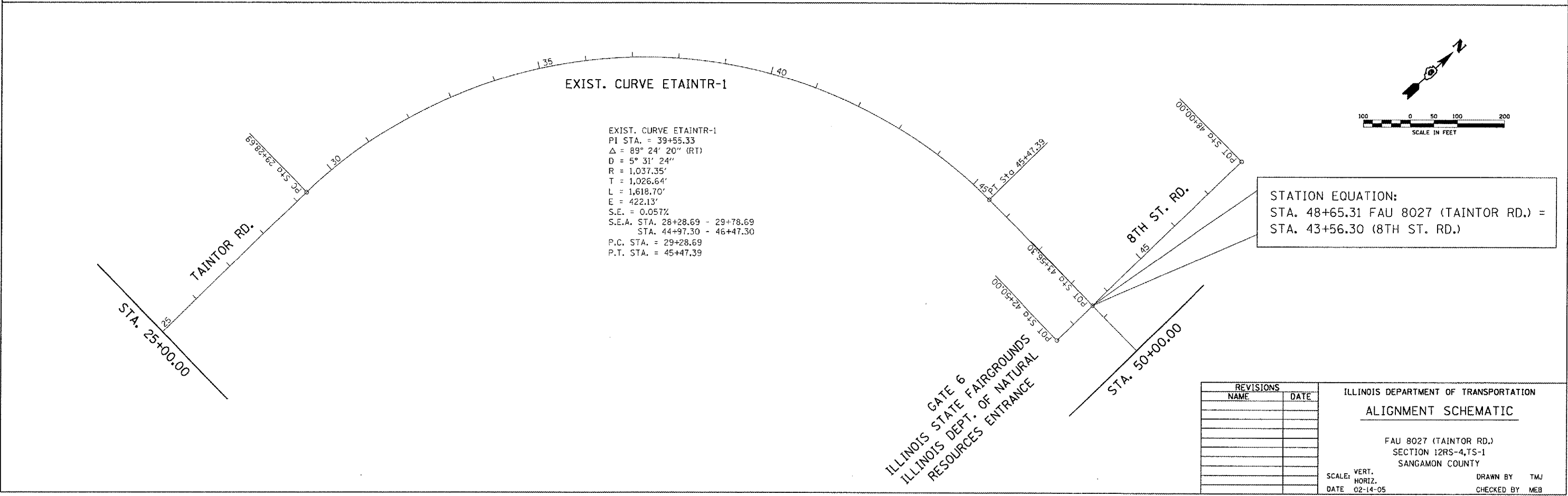
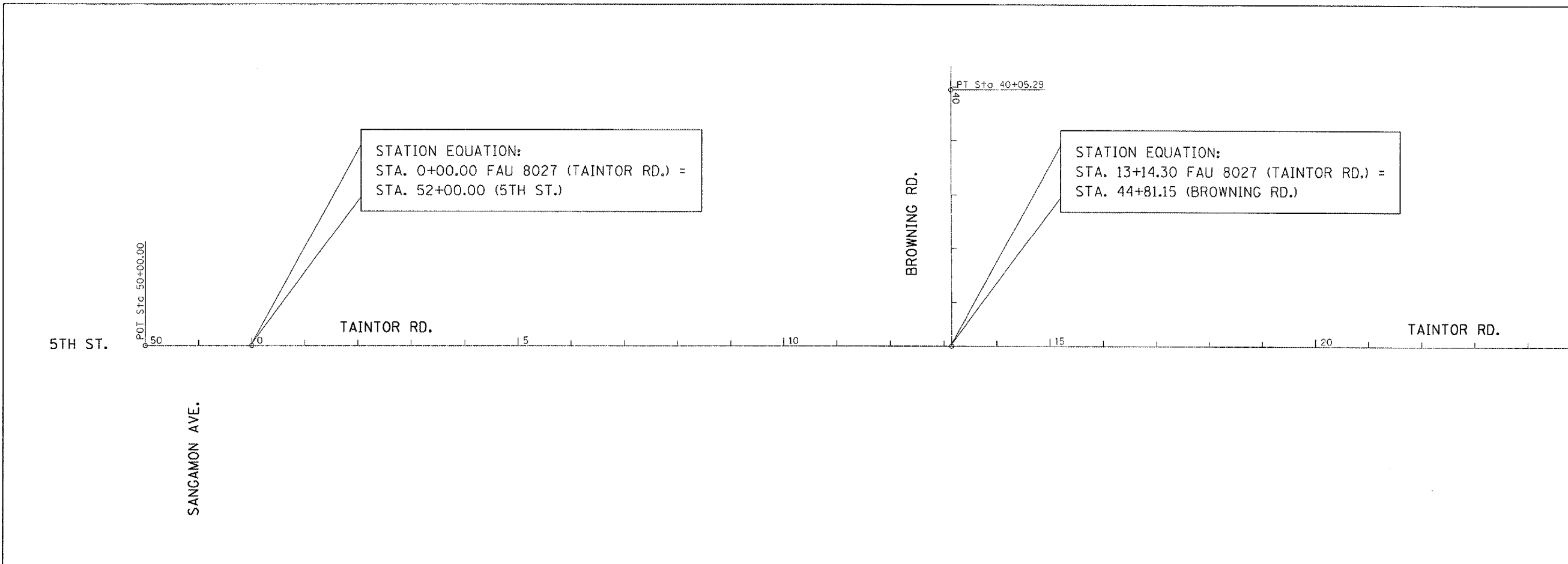
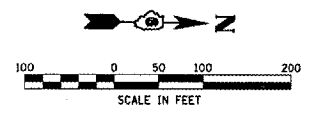
STRIPING SCHEDULE						
LOCATION	THERMOPLASTIC				PREFORMED PLASTIC	
	5" WHITE FOOT	5" DBL YELLOW FOOT	8" WHITE FOOT	12" WHITE FOOT	6" WHITE FOOT	24" WHITE FOOT
TAINTOR ROAD						
STA 0+20 Lt to 12+00 Lt	1180					
STA 13+50 Lt to 48+00 Lt	3450					
STA 49+25 Lt to 78+50 Lt	2925					
STA 0+19 Rt to 47+60 Rt	4741					
STA 49+25 Rt to 57+60 Rt	835					
STA 58+40 Rt to 68+50 Rt	1010					
STA 69+14 Rt to 78+50 Rt	936					
STA 0+20 to 12+70		2500				
STA 13+45 to 47+60		6830				
STA 49+25 to 57+60		1670				
STA 58+40 to 78+50		4020				
TAINTOR RD & SANGAMON NE ISLAND			90	45		
TAINTOR RD & 8TH ST CROSSWALK					210	
TAINTOR RD & GATE 6 CROSSWALK					70	
TAINTOR RD & SANGAMON STOP BAR						
TAINTOR RD-SB LANE						13
SANGAMON RT TURN LANE						18
TAINTOR RD & BROWNING RD STOP BAR						
TAINTOR RD SB LANE						12
TAINTOR RD NB LANE						12
TAINTOR RD & 8TH ST STOP BAR						
TAINTOR RD EB LANE						12
TAINTOR RD WB LANE						12
TOTALS	25432		90	45	280	79

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 REFERENCE = WIER#

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF QUANTITIES
 FAU 8027 (TAINTOR RD.)
 SECTION 12RS-4,TS-1
 SANGAMON COUNTY
 SCALE: VERT. _____
 HORIZ. _____
 DATE: 02-14-05
 DRAWN BY: TMJ
 CHECKED BY: MEB

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8027	12RS-4,TS-1	SANGAMON	31	11
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



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 REFERENCE = SHEET#

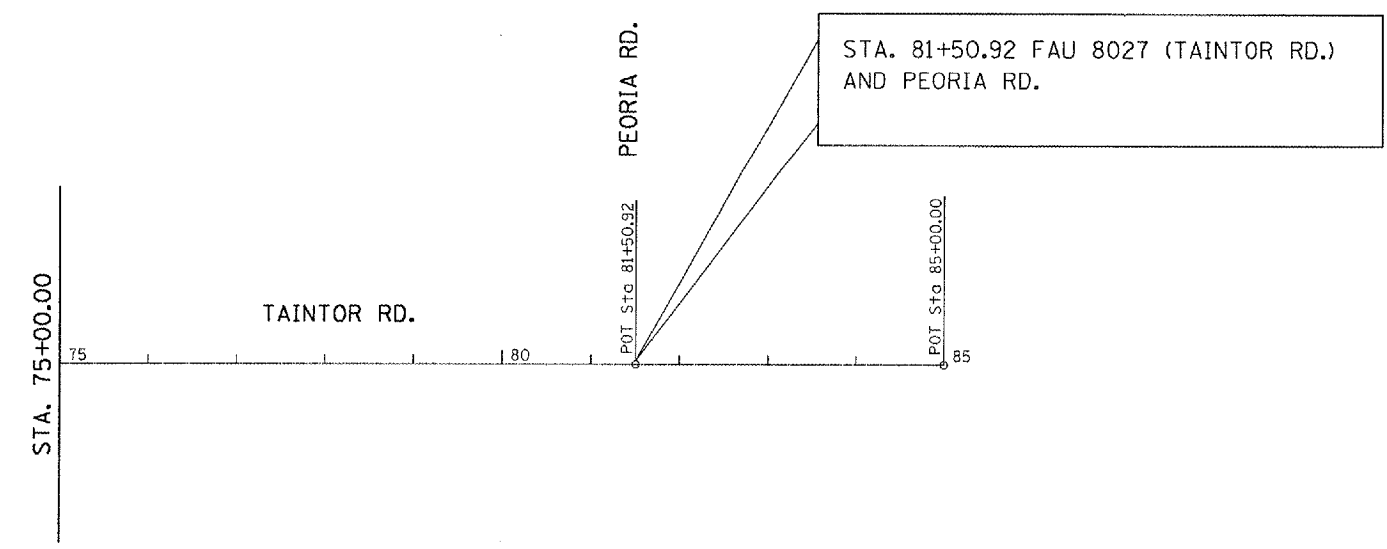
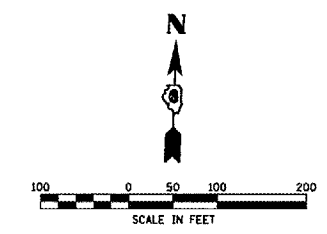
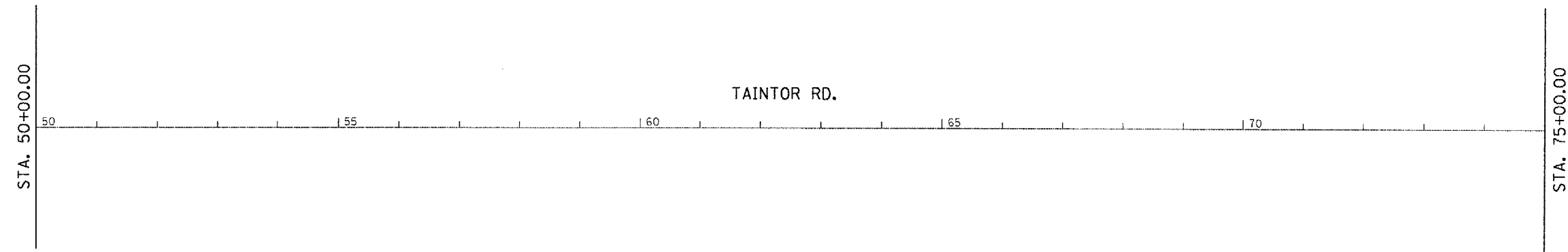
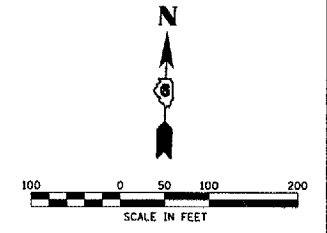
GATE 6
 ILLINOIS STATE FAIRGROUNDS
 ILLINOIS DEPT. OF NATURAL
 RESOURCES ENTRANCE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ALIGNMENT SCHEMATIC
 FAU 8027 (TAINTOR RD.)
 SECTION 12RS-4,TS-1
 SANGAMON COUNTY
 SCALE: VERT. _____
 HORIZ. _____
 DATE 02-14-05
 DRAWN BY TMJ
 CHECKED BY MEB

CONTRACT NO. 72985

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8027	12RS-4,TS-1	SANGAMON	31	12
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



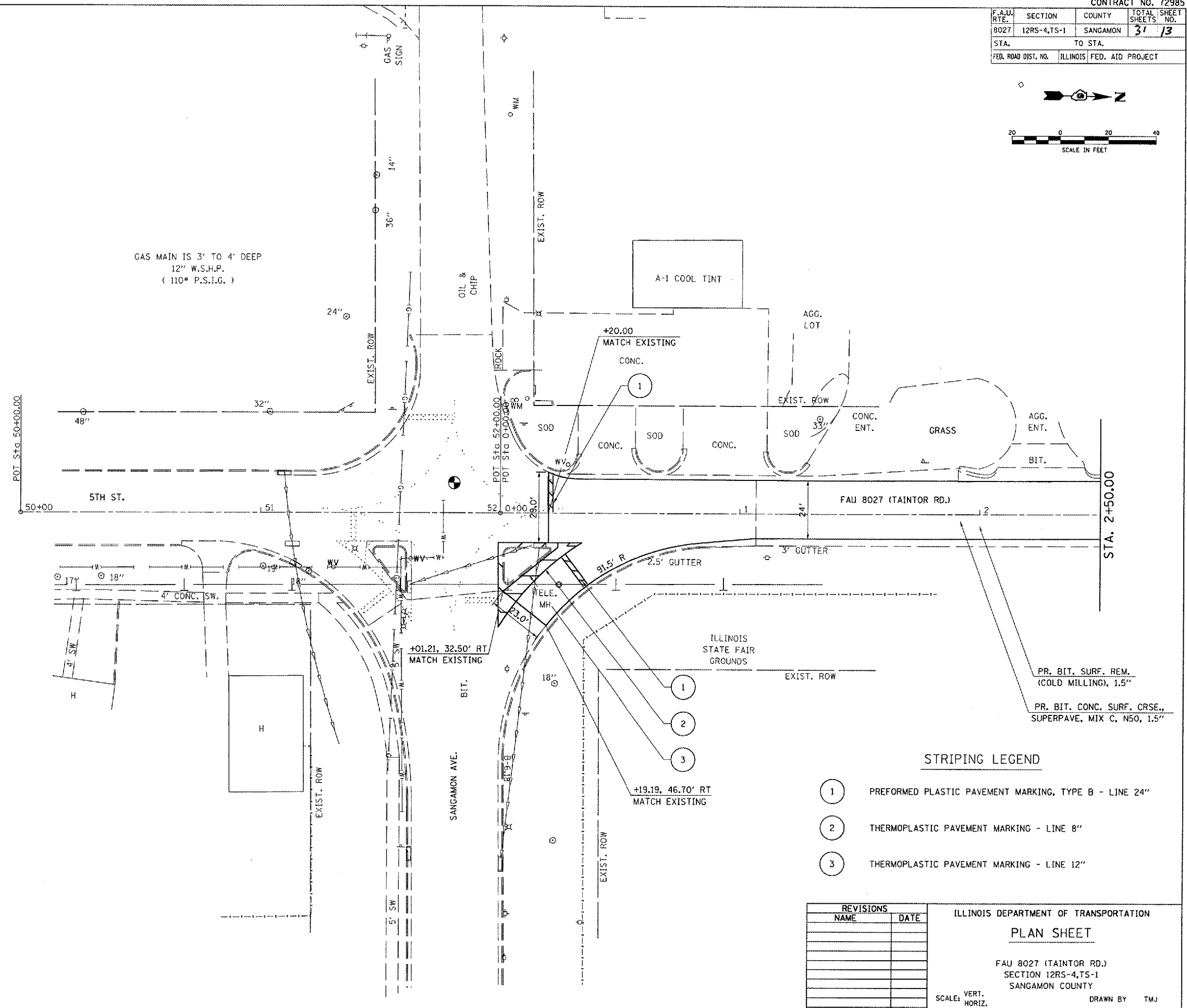
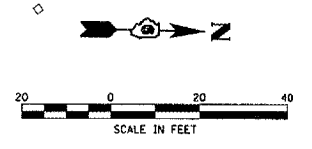
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ALIGNMENT SCHEMATIC
 FAU 8027 (TAINTOR RD.)
 SECTION 12RS-4,TS-1
 SANGAMON COUNTY
 SCALE: VERT. _____
 HORIZ. _____
 DATE _____ DRAWN BY _____
 CHECKED BY MEB

ALIGNMENT SCHEMATIC

PLOT DATE = 4/1/2005
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 REFERENCE = WIERA

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
8027	12RS-4,TS-1	SANGAMON	31 / 13
STA.		TO STA.	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	



STRIPING LEGEND

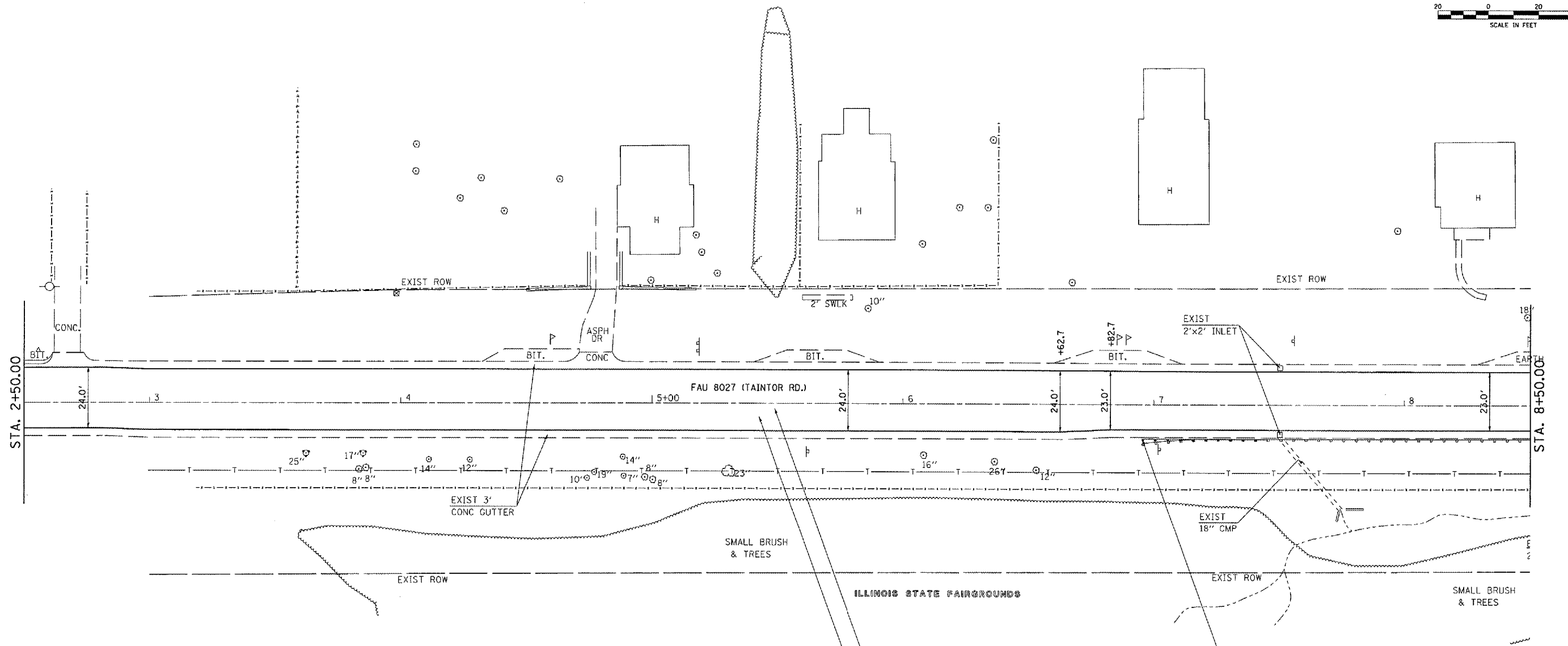
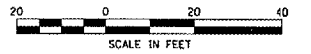
- 1 PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24"
- 2 THERMOPLASTIC PAVEMENT MARKING - LINE 8"
- 3 THERMOPLASTIC PAVEMENT MARKING - LINE 12"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEET
 FAU 8027 (TAINTOR RD.)
 SECTION 12RS-4,TS-1
 SANGAMON COUNTY
 SCALE: VERT. _____
 HORIZ. _____
 DATE 02-14-05
 DRAWN BY TMJ
 CHECKED BY MEB

PLOT DATE = 4/1/2005
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8027	12RS-4,TS-1	SANGAMON	31	14
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



PR. BIT. SURF. REM.
(COLD MILLING), 1.5"

PR. BIT. CONC. SURF. CRSE.,
SUPERPAVE, MIX C, N50, 1.5"

7+00, RT.
EXIST. END SECTION TO BE UPGRADED W/
PR. TRAFFIC BARRIER TERMINAL TY 1, SPECIAL (TANGENT)
1 EACH
EXIST. GUARDRAIL REMOVAL= 50 FOOT
FURNISHED EXCAVATION= 1 CU YD

PLOT DATE = 4/1/2005
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REFERENCE = #REF#

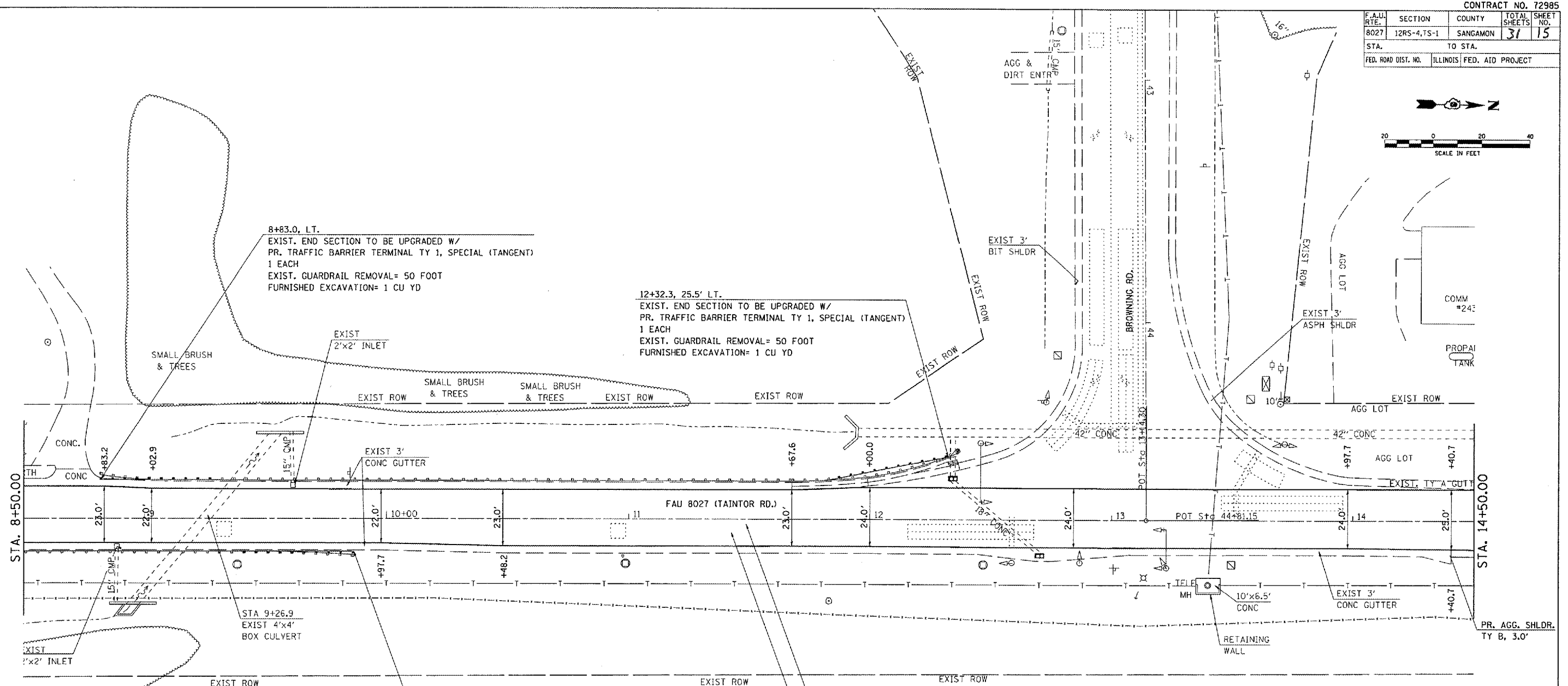
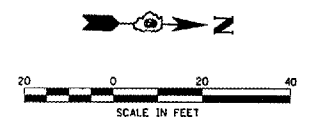
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEET

FAU 8027 (TAINTOR RD.)
SECTION 12RS-4,TS-1
SANGAMON COUNTY

SCALE: VERT.
HORIZ.
DATE 02-14-05
DRAWN BY TMJ
CHECKED BY MEB

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8027	12RS-4,TS-1	SANGAMON	31	15
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



8+83.0, LT.
 EXIST. END SECTION TO BE UPGRADED W/
 PR. TRAFFIC BARRIER TERMINAL TY 1, SPECIAL (TANGENT)
 1 EACH
 EXIST. GUARDRAIL REMOVAL= 50 FOOT
 FURNISHED EXCAVATION= 1 CU YD

12+32.3, 25.5' LT.
 EXIST. END SECTION TO BE UPGRADED W/
 PR. TRAFFIC BARRIER TERMINAL TY 1, SPECIAL (TANGENT)
 1 EACH
 EXIST. GUARDRAIL REMOVAL= 50 FOOT
 FURNISHED EXCAVATION= 1 CU YD

9+86.5, RT.
 EXIST. END SECTION TO BE UPGRADED W/
 PR. TRAFFIC BARRIER TERMINAL TY 1, SPECIAL (TANGENT)
 1 EACH
 EXIST. GUARDRAIL REMOVAL= 50 FOOT
 FURNISHED EXCAVATION= 1 CU YD

PR. BIT. SURF. REM.
 (COLD MILLING), 1.5"

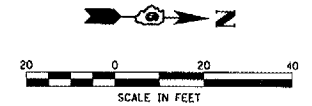
PR. BIT. CONC. SURF. CRSE.,
 SUPERPAVE, MIX C, NSO, 1.5"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEET
 FAU 8027 (TAINTOR RD.)
 SECTION 12RS-4,TS-1
 SANGAMON COUNTY
 SCALE: VERT. _____
 HORIZ. _____
 DATE 02-14-05
 DRAWN BY TMJ
 CHECKED BY MEB

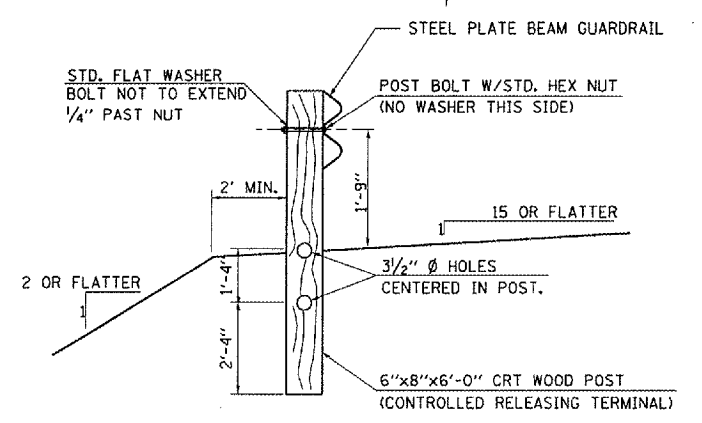
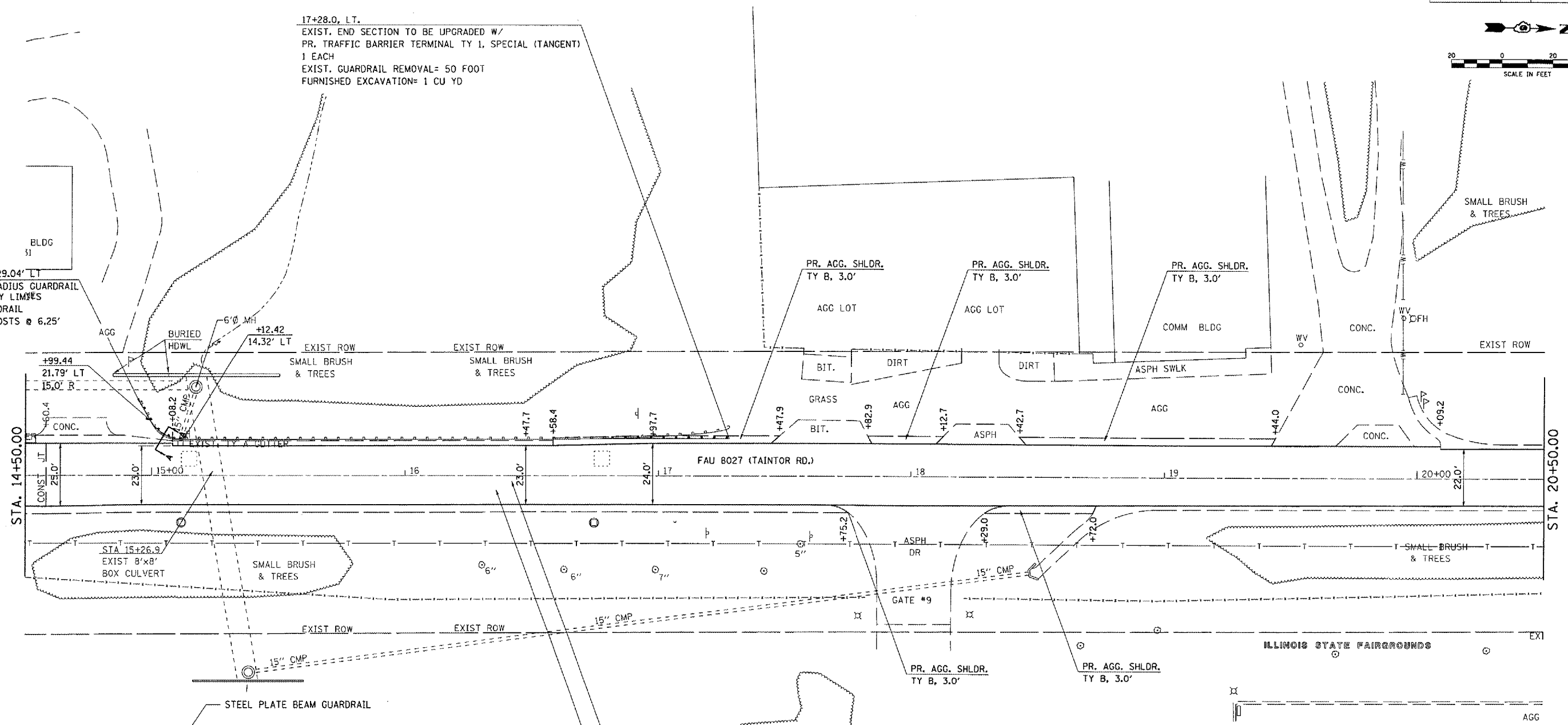
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
B027	12RS-4,TS-1	SANGAMON	31	16
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



17+28.0, LT.
 EXIST. END SECTION TO BE UPGRADED W/
 PR. TRAFFIC BARRIER TERMINAL TY 1, SPECIAL (TANGENT)
 1 EACH
 EXIST. GUARDRAIL REMOVAL= 50 FOOT
 FURNISHED EXCAVATION= 1 CU YD

+95.23, 29.04' LT
 SHORT RADIUS GUARDRAIL
 25' - PAY LIMITS
 OF GUARDRAIL
 4 CRT POSTS @ 6.25'



SECTION A-A

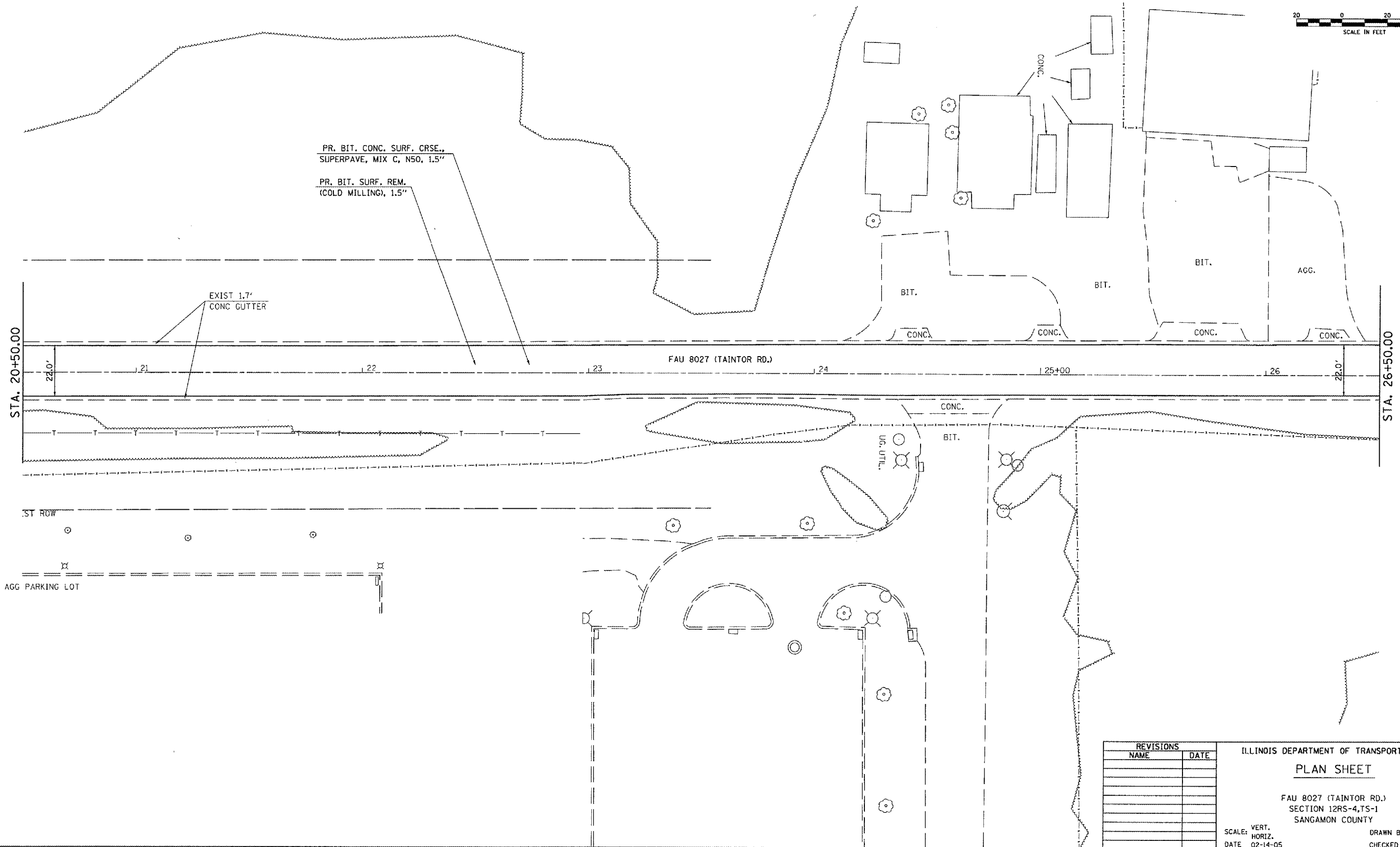
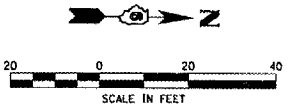
PR. BIT. SURF. REM.
 (COLD MILLING), 1.5"
 PR. BIT. CONC. SURF. CRSE.,
 SUPERPAVE, MIX C, N50, 1.5"

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEET
 FAU 8027 (TAINTOR RD.)
 SECTION 12RS-4,TS-1
 SANGAMON COUNTY
 SCALE: VERT. / HORIZ.
 DATE: 02-14-05
 DRAWN BY: TMJ
 CHECKED BY: MEB

PLOT DATE = 4/7/2005
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8027	12RS-4,TS-1	SANGAMON	31	17
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

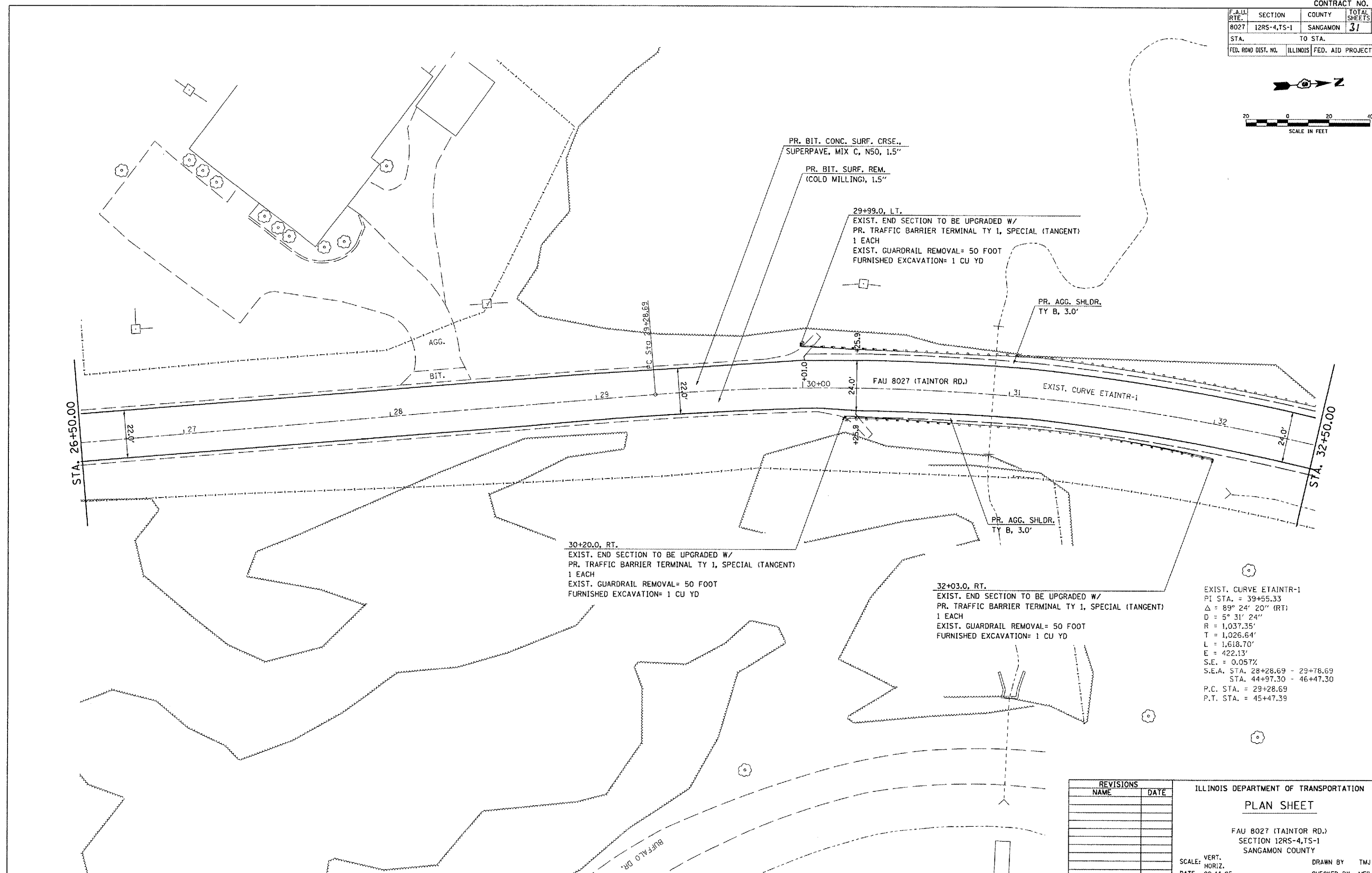
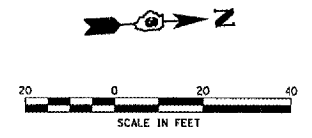


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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEET
 FAU 8027 (TAINTOR RD.)
 SECTION 12RS-4,TS-1
 SANGAMON COUNTY
 SCALE: VERT. _____
 HORIZ. _____
 DATE 02-14-05
 DRAWN BY TMJ
 CHECKED BY MEB

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8027	12RS-4,TS-1	SANGAMON	31	18
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



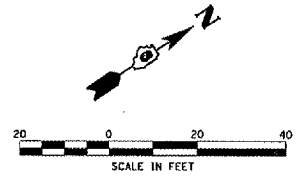
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 $\Delta = 89^\circ 24' 20''$ (RT)
 $D = 5^\circ 31' 24''$
 $R = 1,037.35'$
 $T = 1,026.64'$
 $L = 1,618.70'$
 $E = 422.13'$
 $S.E. = 0.057\%$
 S.E.A. STA. 28+28.69 - 29+78.69
 STA. 44+97.30 - 46+47.30
 P.C. STA. = 29+28.69
 P.T. STA. = 45+47.39

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEET
 FAU 8027 (TAINTOR RD.)
 SECTION 12RS-4,TS-1
 SANGAMON COUNTY
 SCALE: VERT. / HORIZ.
 DATE: 02-14-05
 DRAWN BY: TMJ
 CHECKED BY: MEB

PLOT DATE = 4/7/2005
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 PLOT SCALE = 43.3724 / IN.
 REFERENCE = WEP#

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8027	12RS-4,TS-1	SANGAMON	31	19
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



34+42.5, LT.
 EXIST. END SECTION TO BE UPGRADED W/
 PR. TRAFFIC BARRIER TERMINAL TY 1, SPECIAL (TANGENT)
 1 EACH
 EXIST. GUARDRAIL REMOVAL= 50 FOOT
 FURNISHED EXCAVATION= 1 CU YD

PR. BIT. CONC. SURF. CRSE.,
 SUPERPAVE, MIX C, N50, 1.5"

PR. BIT. SURF. REM.
 (COLD MILLING), 1.5"

PR. AGG. SHLDR.
 TY B, 3.0'

PR. AGG. SHLDR.
 TY B, 3.0'

FAU 8027 (TAINTOR RD.)

EXIST. CURVE ETAINR-1

EXIST. CURVE ETAINR-1
 PI STA. = 39+55.33
 $\Delta = 89^\circ 24' 20''$ (RT)
 $D = 5^\circ 31' 24''$
 $R = 1,037.35'$
 $T = 1,026.64'$
 $L = 1,618.70'$
 $E = 422.13'$
 $S.E. = 0.057\%$
 S.E.A. STA. 28+28.69 - 29+78.69
 STA. 44+97.30 - 46+47.30
 P.C. STA. = 29+28.69
 P.T. STA. = 45+47.39

STA. 32+50.00

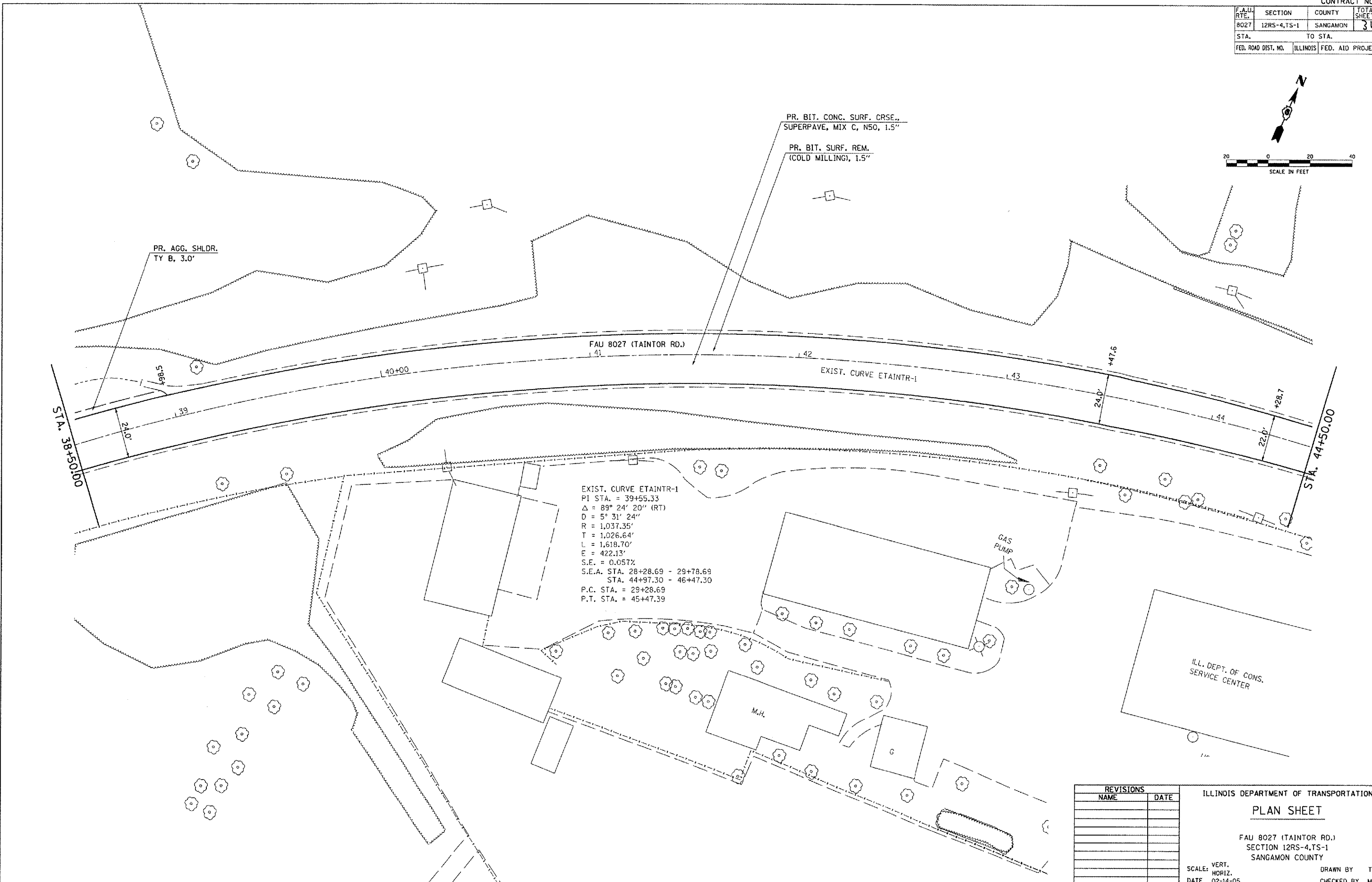
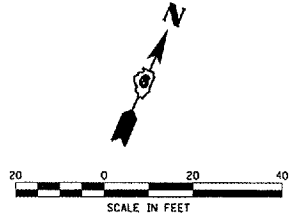
STA. 38+50.00

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 REFERENCE = #REF#

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEET
 FAU 8027 (TAINTOR RD.)
 SECTION 12RS-4,TS-1
 SANGAMON COUNTY
 SCALE: VERT. _____
 HORIZ. _____
 DATE 02-14-05
 DRAWN BY TMJ
 CHECKED BY MEB

FAU. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8027	12RS-4,TS-1	SANGAMON	31	20
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



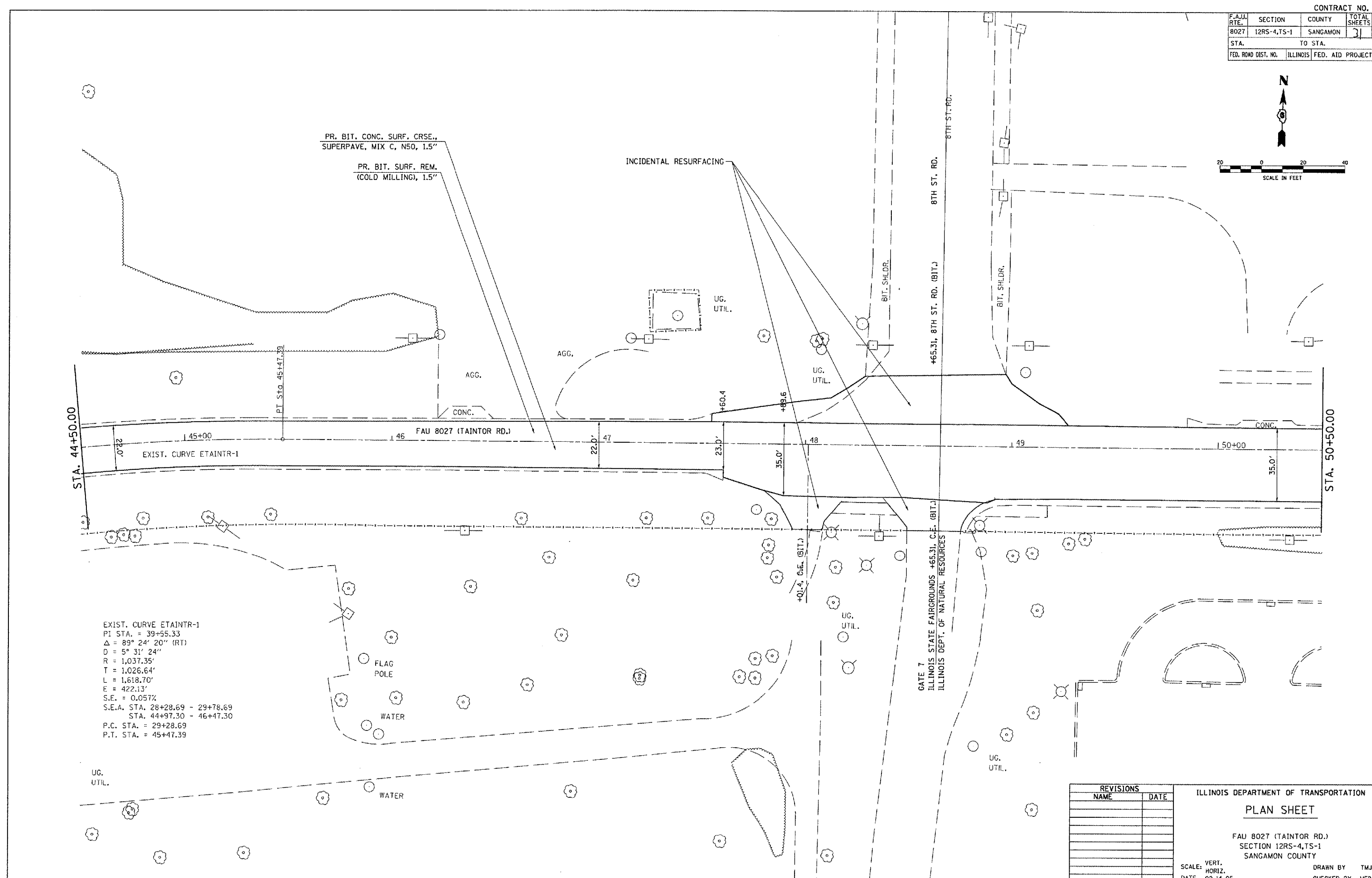
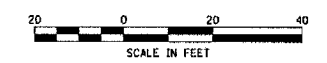
EXIST. CURVE ETAINTR-1
 PI STA. = 39+55.33
 $\Delta = 89^\circ 24' 20''$ (RT)
 $D = 5^\circ 31' 24''$
 $R = 1,037.35'$
 $T = 1,026.64'$
 $L = 1,618.70'$
 $E = 422.13'$
 $S.E. = 0.057\%$
 S.E.A. STA. 28+28.69 - 29+78.69
 STA. 44+97.30 - 46+47.30
 P.C. STA. = 29+28.69
 P.T. STA. = 45+47.39

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEET
 FAU 8027 (TAINTOR RD.)
 SECTION 12RS-4,TS-1
 SANGAMON COUNTY
 SCALE: VERT. _____
 HORIZ. _____
 DATE 02-14-05
 DRAWN BY TMJ
 CHECKED BY MEB

PLOT DATE = 4/1/2005
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 PLOT SCALE = 43.3734 / 1 IN.
 REFERENCE = NREF

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8027	12RS-4,TS-1	SANGAMON	21	21
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



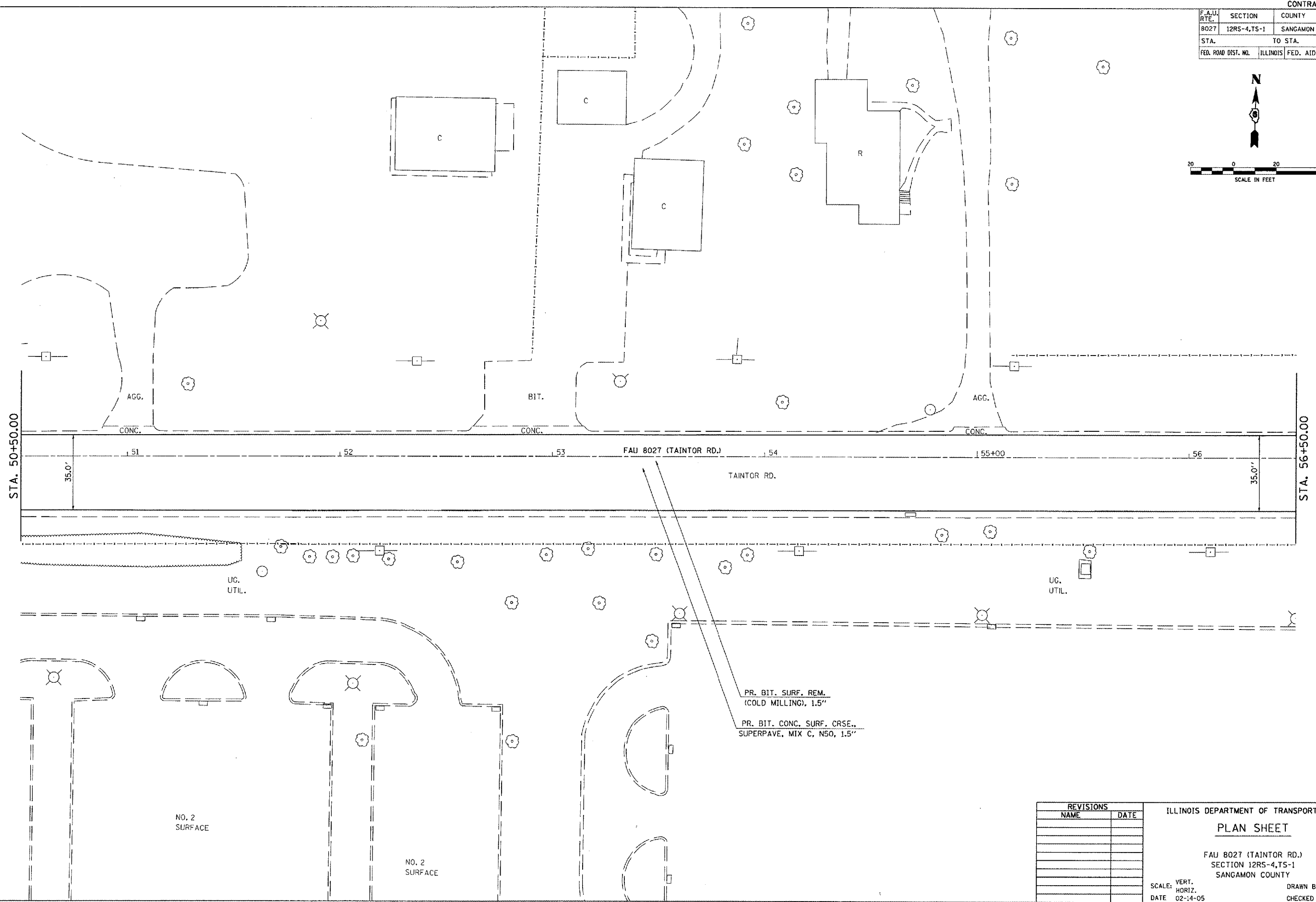
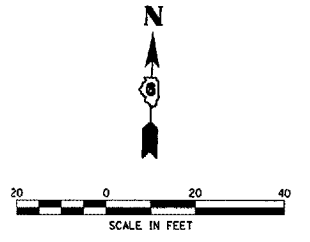
EXIST. CURVE ETAINTR-1
 PI STA. = 39+55.33
 $\Delta = 89^\circ 24' 20''$ (RT)
 $D = 5^\circ 31' 24''$
 $R = 1,037.35'$
 $T = 1,026.64'$
 $L = 1,618.70'$
 $E = 422.13'$
 $S.E. = 0.057\%$
 S.E.A. STA. 28+28.69 - 29+78.69
 STA. 44+97.30 - 46+47.30
 P.C. STA. = 29+28.69
 P.T. STA. = 45+47.39

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEET
 FAU 8027 (TAINTOR RD.)
 SECTION 12RS-4,TS-1
 SANGAMON COUNTY
 SCALE: VERT. _____
 HORIZ. _____
 DATE 02-14-05
 DRAWN BY TMJ
 CHECKED BY MEB

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8027	12RS-4,TS-1	SANGAMON	31	22
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

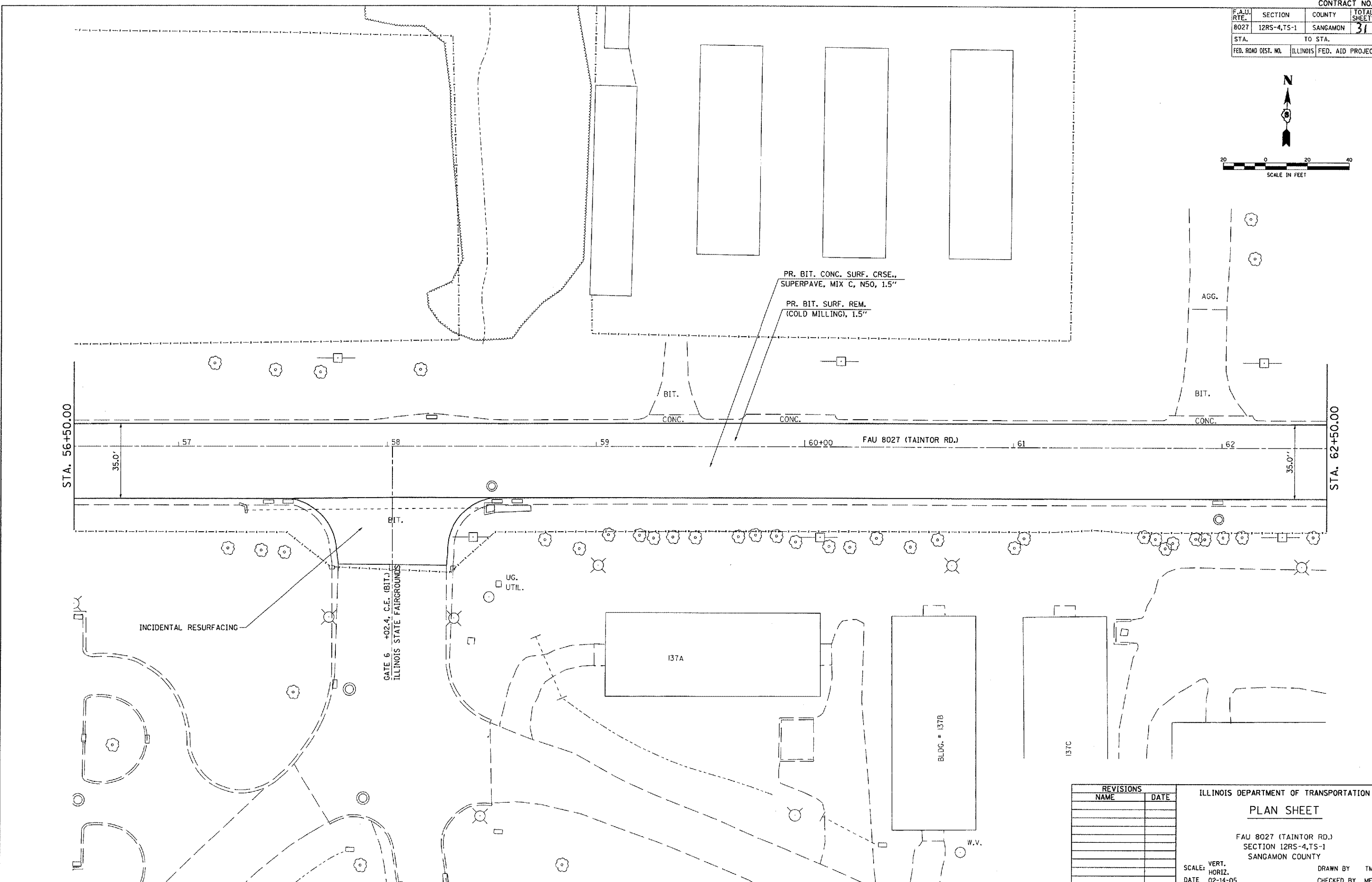
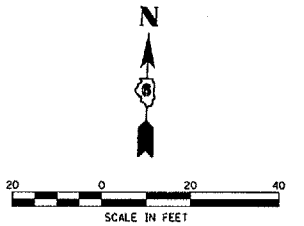


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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEET
 FAU 8027 (TAINTOR RD.)
 SECTION 12RS-4,TS-1
 SANGAMON COUNTY
 SCALE: VERT. _____
 HORIZ. _____
 DATE 02-14-05
 DRAWN BY TMJ
 CHECKED BY MEB

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8027	12RS-4,TS-1	SANGAMON	31	23
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

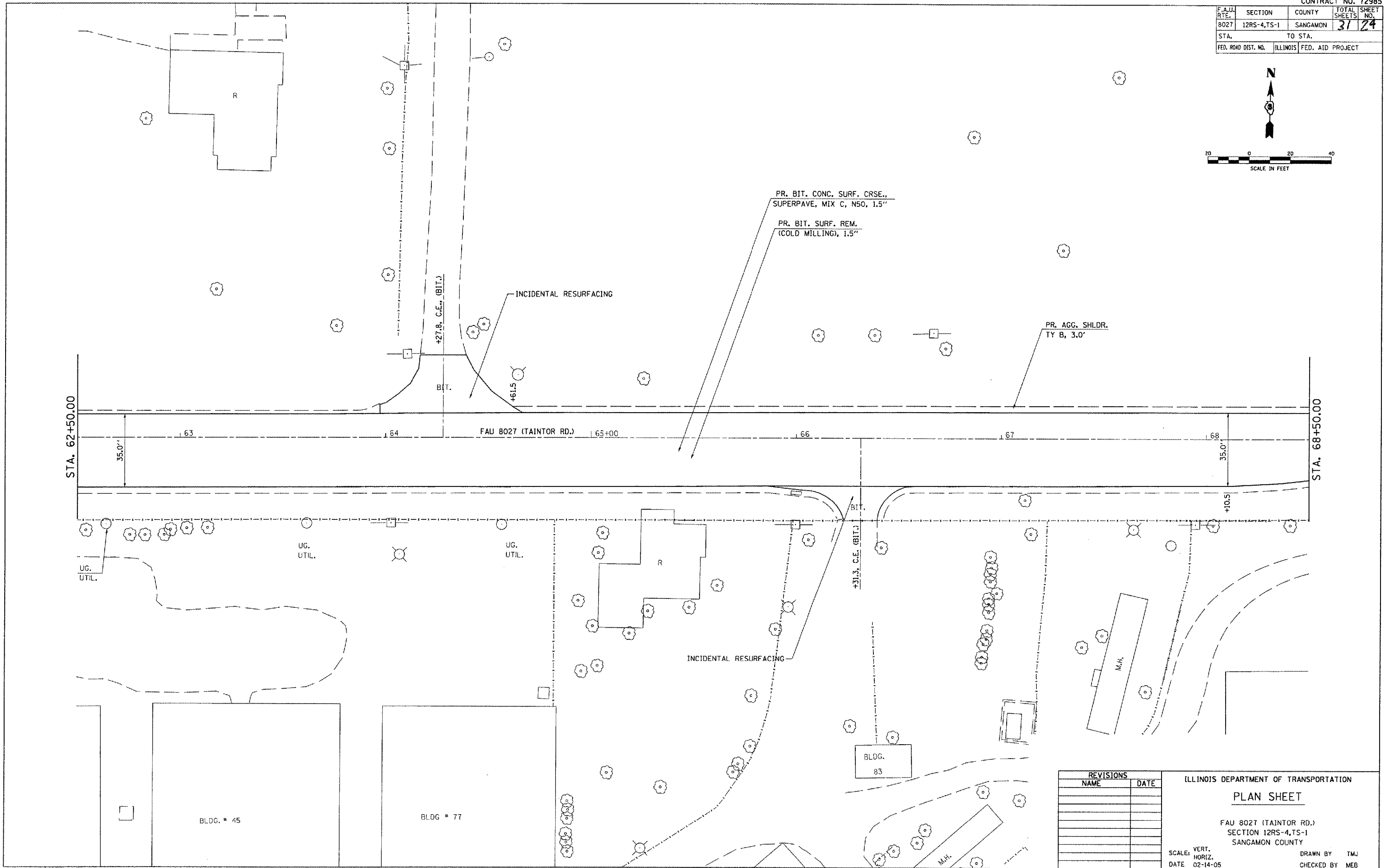
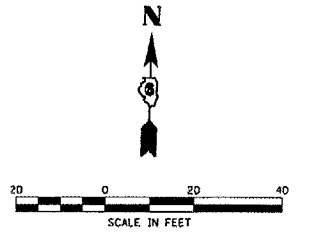


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 REFERENCE = WEP*

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEET
 FAU 8027 (TAINTOR RD.)
 SECTION 12RS-4,TS-1
 SANGAMON COUNTY
 SCALE: VERT. DRAWN BY TMJ
 HORIZ. CHECKED BY MEB
 DATE 02-14-05

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8027	12RS-4,TS-1	SANGAMON	31	24
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



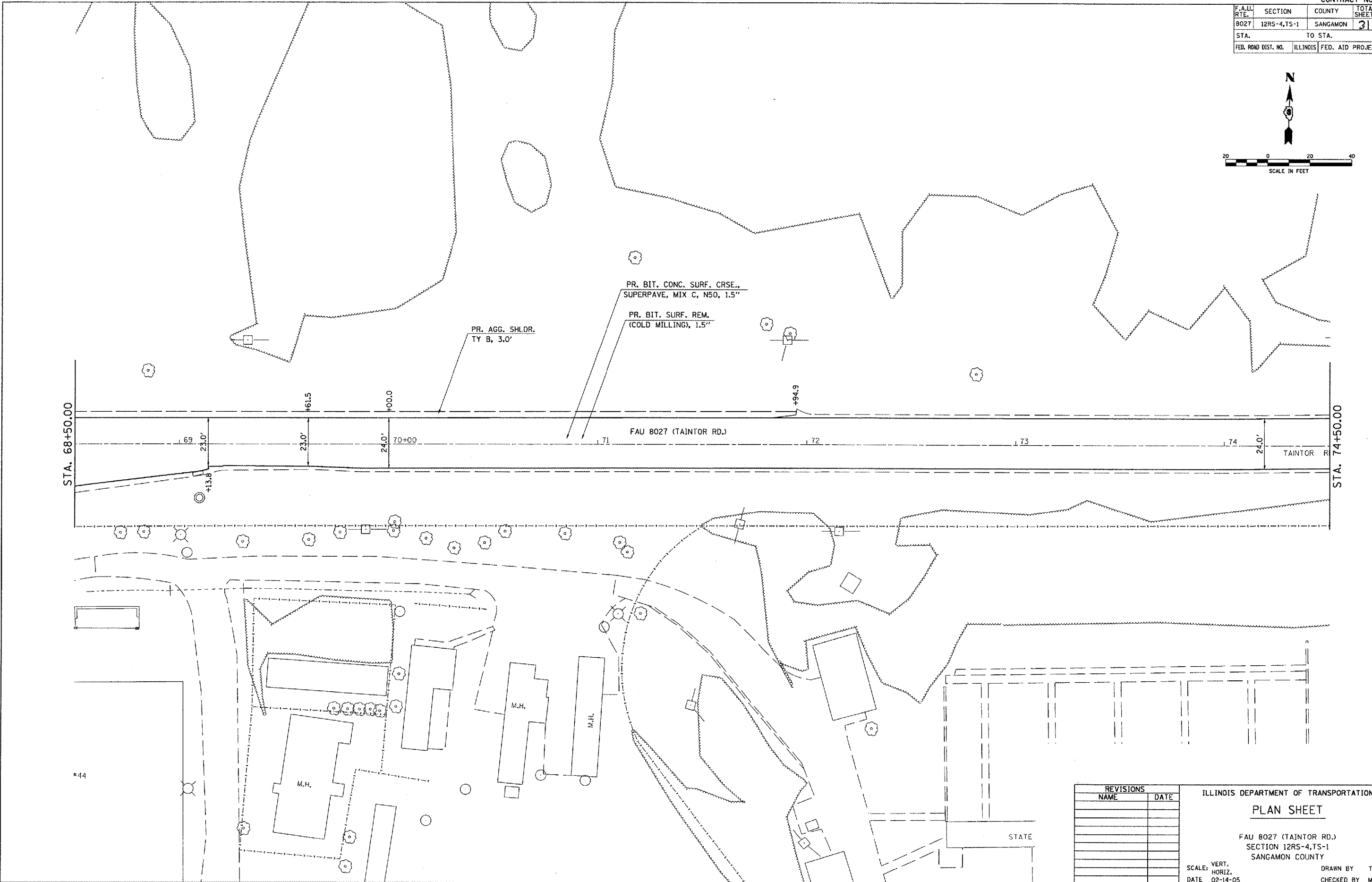
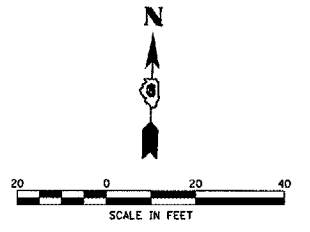
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEET
FAU 8027 (TAINTOR RD.)
SECTION 12RS-4,TS-1
SANGAMON COUNTY
SCALE: HORIZ. DATE 02-14-05
DRAWN BY: TMJ
CHECKED BY: MEB

PLAN SHEET FAU 8027 (TAINTOR RD.)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8027	12RS-4,TS-1	SANGAMON	31	25
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

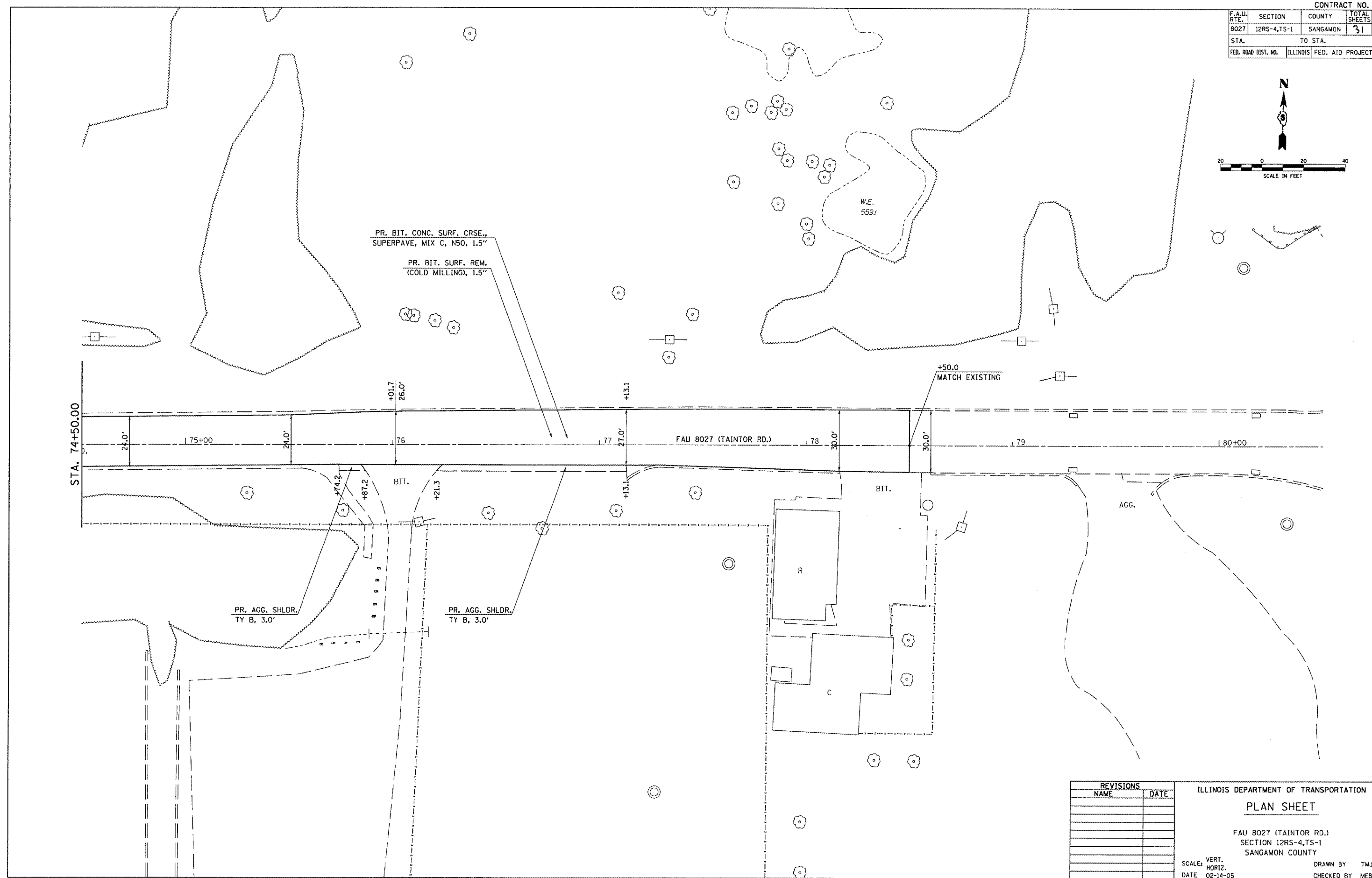
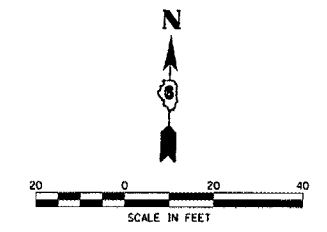


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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEET
 FAU 8027 (TAINTOR RD.)
 SECTION 12RS-4,TS-1
 SANGAMON COUNTY
 SCALE: VERT. _____
 HORIZ. _____
 DATE 02-14-05
 DRAWN BY TMJ
 CHECKED BY MEB

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8027	12RS-4,TS-1	SANGAMON	31	26
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

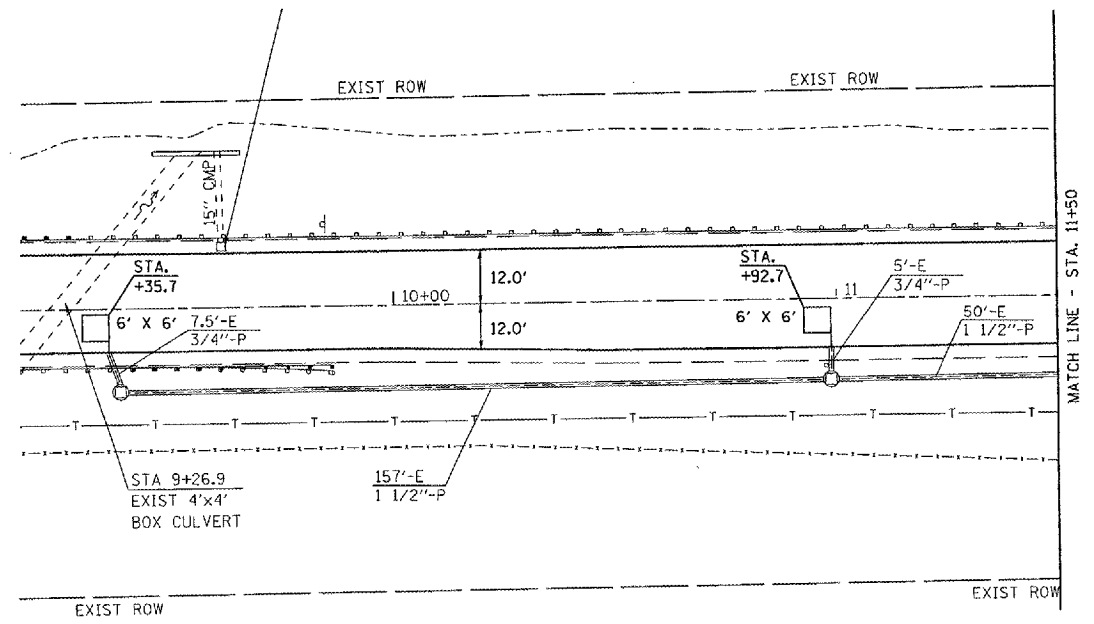
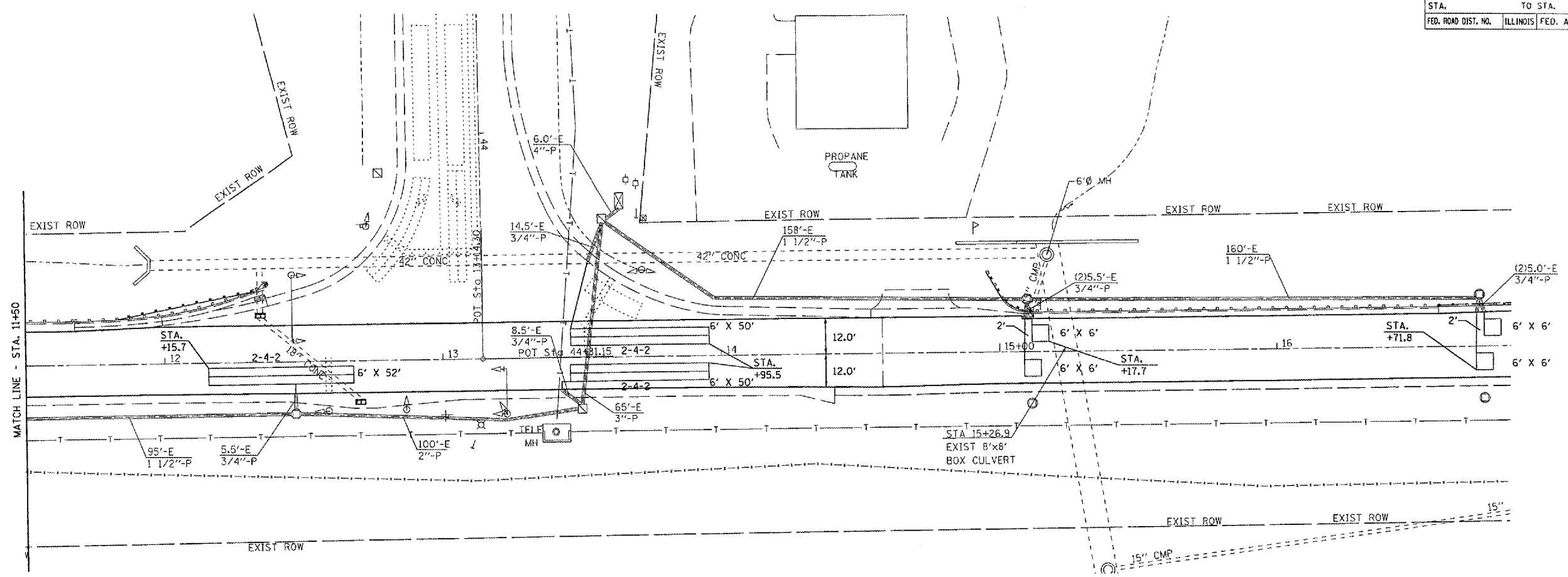


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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEET
 FAU 8027 (TAINTOR RD.)
 SECTION 12RS-4,TS-1
 SANGAMON COUNTY
 SCALE: VERT. DRAWN BY TMJ
 HORIZ. CHECKED BY MEB
 DATE 02-14-05

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8027	12RS-4,TS-1	SANGAMON	31	27
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

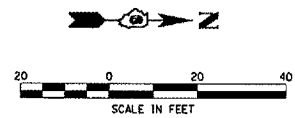


TRAFFIC SIGNAL QUANTITIES

BROWNING RD & TAINTOR RD

QUANTITY	UNIT	ITEM
712.0	FOOT	DETECTOR LOOP, TYPE I
1	EACH	MODIFY EXISTING CONTROLLER CABINET
6	EACH	REBUILD EXISTING SIGNAL HEAD FACE, 3-SECTION, LED
2	EACH	REBUILD EXISTING SIGNAL HEAD FACE, 4-SECTION, LED
2	EACH	REBUILD EXISTING SIGNAL HEAD FACE, 5-SECTION, LED

EXISTING UNDERGROUND CABLE AND CONDUIT TAKEN FROM HISTORICAL DATA. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS.



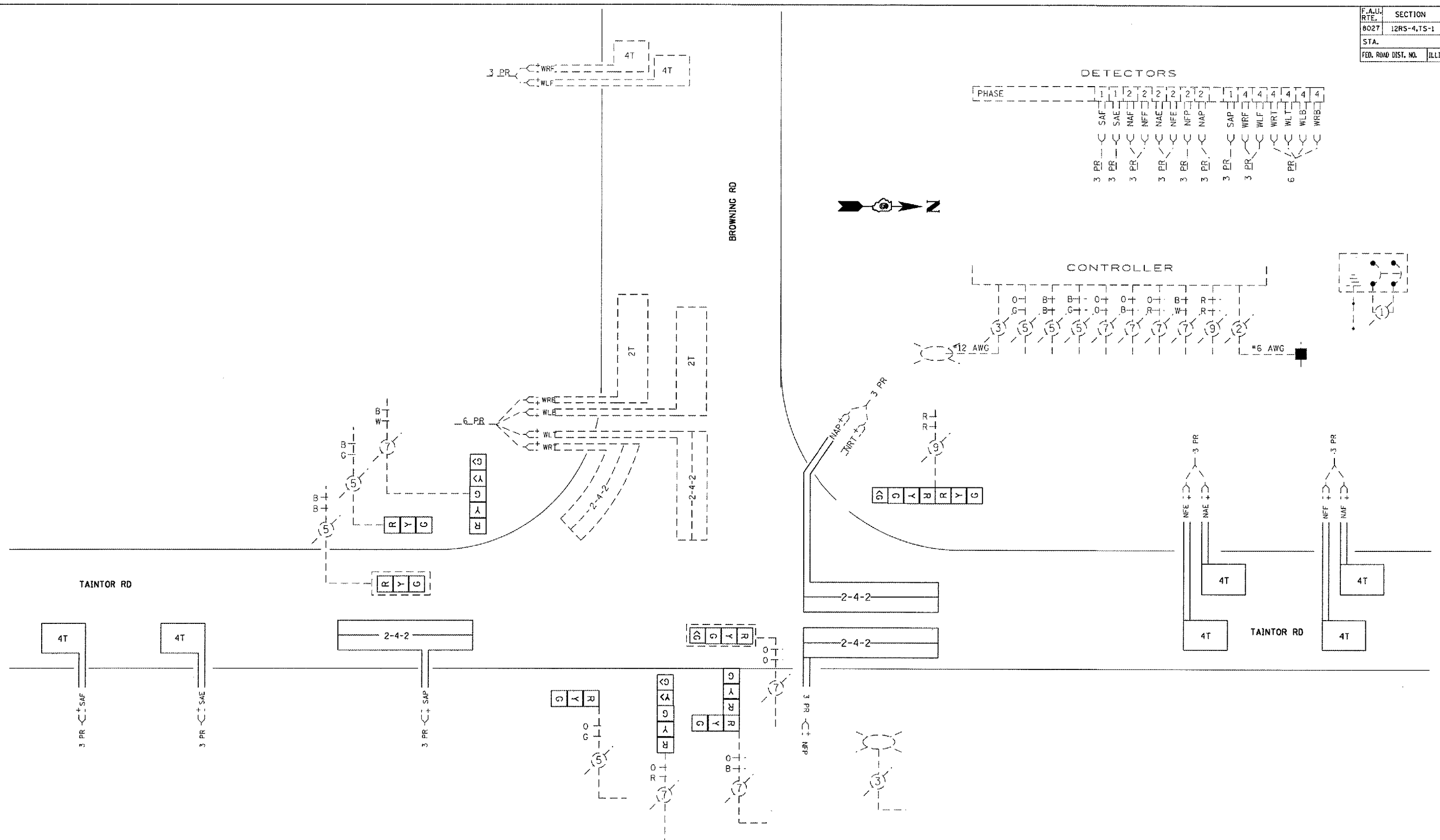
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED TRAFFIC SIGNALS
 BROWNING RD & TAINTOR RD
 SANGAMON COUNTY

SCALE: VERT. DATE FEB 2005
 HORIZ. DATE
 DRAWN BY KDA
 CHECKED BY

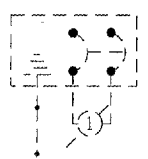
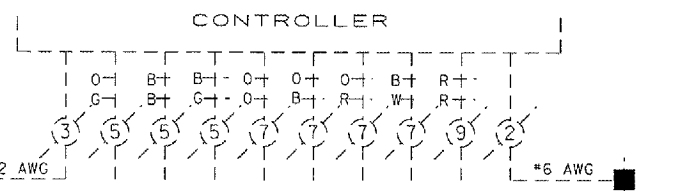
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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

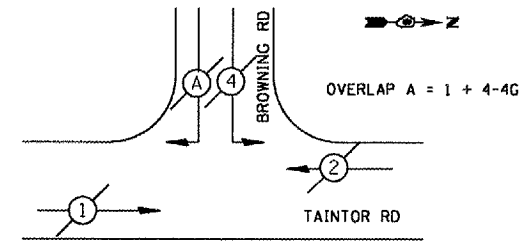


DETECTORS

PHASE	1	1	2	2	2	2	2	2	1	4	4	4	4	4
	SAF	SAE	NAF	NFF	NAE	NFE	NFP	NAP	SAP	WRF	WLF	WRT	WLB	WRB
	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR



PHASE ASSIGNMENTS



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED CABLE DIAGRAM
 BROWNING RD & TAINTOR RD
 SANGAMON COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE FEB 2005

DRAWN BY KDA
 CHECKED BY _____

PLOT DATE = 4/1/2005
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8027	12RS-4,TS-1	SANGAMON	31	29
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL PLAN LEGEND

EXISTING	PROPOSED	DESCRIPTION
		SIGNAL HEAD
		SIGNAL HEAD WITH BACKPLATE
		TEMPORARY SIGNAL HEAD
		PEDESTRIAN SIGNAL HEAD
		PEDESTRIAN PUSHBUTTON DETECTOR
		DETECTOR LOOP
		QUADRAPOLE DETECTOR LOOP
		SIGNAL POST
		ALUMINUM MAST ARM ASSEMBLY AND POLE
		STEEL MAST ARM ASSEMBLY AND POLE
		WOOD POLE
		WOOD POLE WITH GUY
		SERVICE INSTALLATION
		CONTROLLER
		HANDHOLE
		HEAVY DUTY HANDHOLE
		DOUBLE HANDHOLE
		JUNCTION BOX
		GULFBOX JUNCTION
		AERIAL CABLE
		CONDUIT LENGTH - CONSTRUCTION (T=TRENCH P=PUSHED A=AUGERED E=EXISTING) SIZE - TYPE (S=STEEL P=PVC F=FIBER DUCT U=UNI-DUCT)
		CONDUIT SPLICE
		SPAN WIRE / TETHER WIRE
		SIDEWALK REMOVAL IN SQ M (SQ FT)
		PC CONC SDWLK 100 mm IN SQ M (SQ YD)
		PC CONC SDWLK 100 mm SPECIAL IN SQ M (SQ YD)

TRAFFIC SIGNAL WIRING DIAGRAM LEGEND

EXISTING	PROPOSED	DESCRIPTION
		200 mm (8") SIGNAL SECTION
		300 mm (12") SIGNAL SECTION
		DIRECTIONAL SIGNAL SECTION
		225 mm (9") PEDESTRIAN SIGNAL FACE
		300 mm (12") PEDESTRIAN SIGNAL FACE
		SIGNAL FACE WITH BACKPLATE
		PROGRAMMED SIGNAL SECTION
		SIGNAL SECTION WITH LOUVRE
		DUAL-INDICATION SIGNAL SECTION
		INDUCTION DETECTOR LOOP
		QUADRAPOLE DETECTOR LOOP
		DIRECT-CONNECTED LOOP LEAD-IN (TWISTED)
		ELECTRIC CABLE DENOTING NUMBER OF CONDUCTORS
		ELECTRIC CABLE TO BE REMOVED
		ELECTRIC CABLE IDENTIFIER TAPE CODES (R= RED W= WHITE Y= YELLOW G= GREEN B= BLUE O= ORANGE)
		PEDESTRIAN PUSHBUTTON DETECTOR
		VIDEO DETECTION CAMERA
		EMERGENCY VEHICLE PREEMPTOR



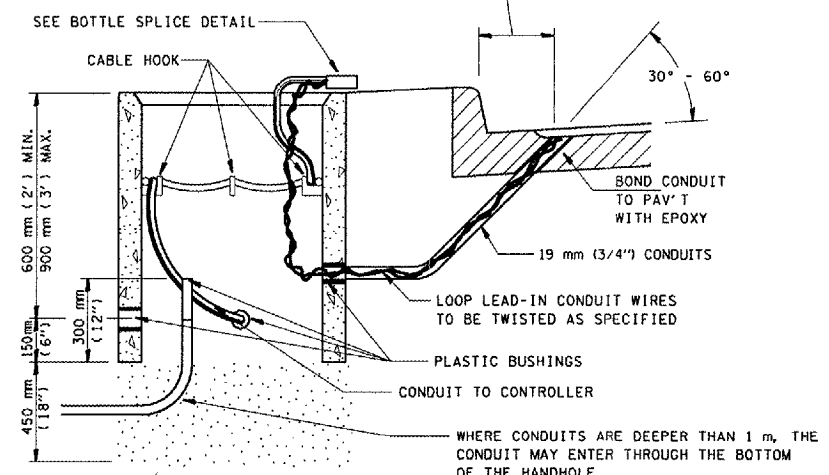
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
LEGEND FOR TRAFFIC SIGNAL DETAILS
 SCALE: VERT. / HORIZ.
 DATE: DECEMBER 3, 1999
 DRAWN BY / CHECKED BY WCD

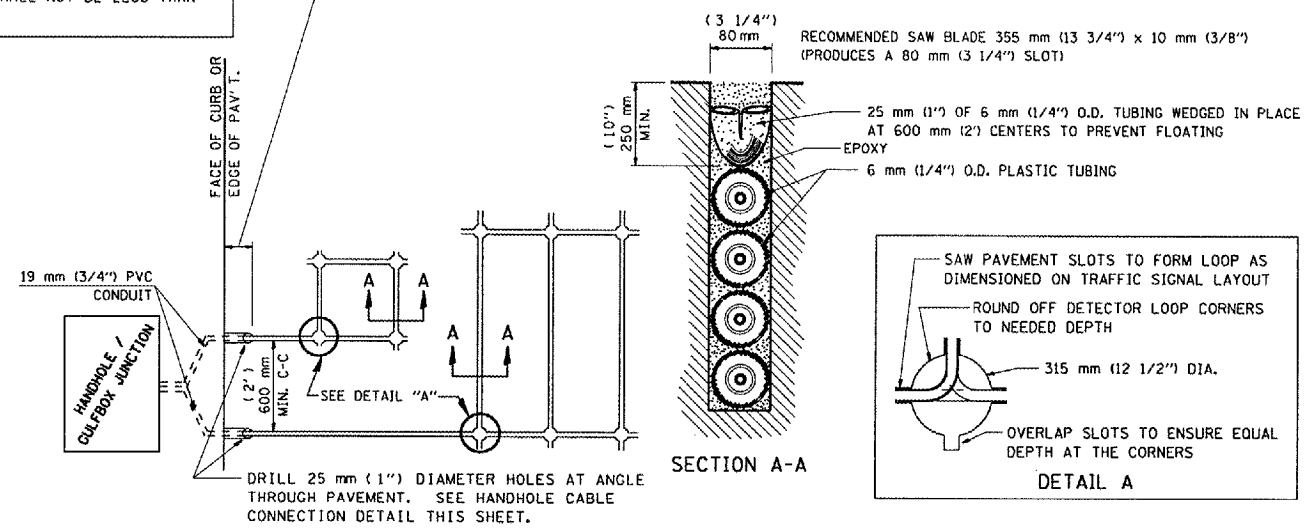
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LENGTH OF SLACK FOR LOOP LEAD-INS SHALL PROVIDE FOR MAKING THE SPLICE ON TOP OF THE HANDHOLE AND ONE COMPLETE LOOP OF THE INTERIOR OF THE HANDHOLE, THE SPLICE SHALL BE SUPPORTED BY A CABLE HOOK.

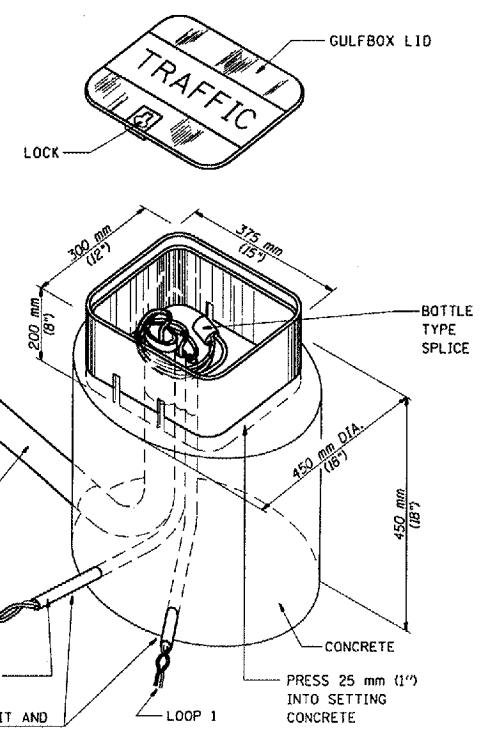
THE LOOP LEAD-IN CONDUIT HOLES SHALL BE PLACED AS CLOSE TO THE CURB AS POSSIBLE TO PERMIT SAW OVERLAP WITHOUT SCARRING FACE OF CURB. IN NON-CURB LOCATIONS THE DISTANCE SHALL NOT BE LESS THAN 150 mm (6").



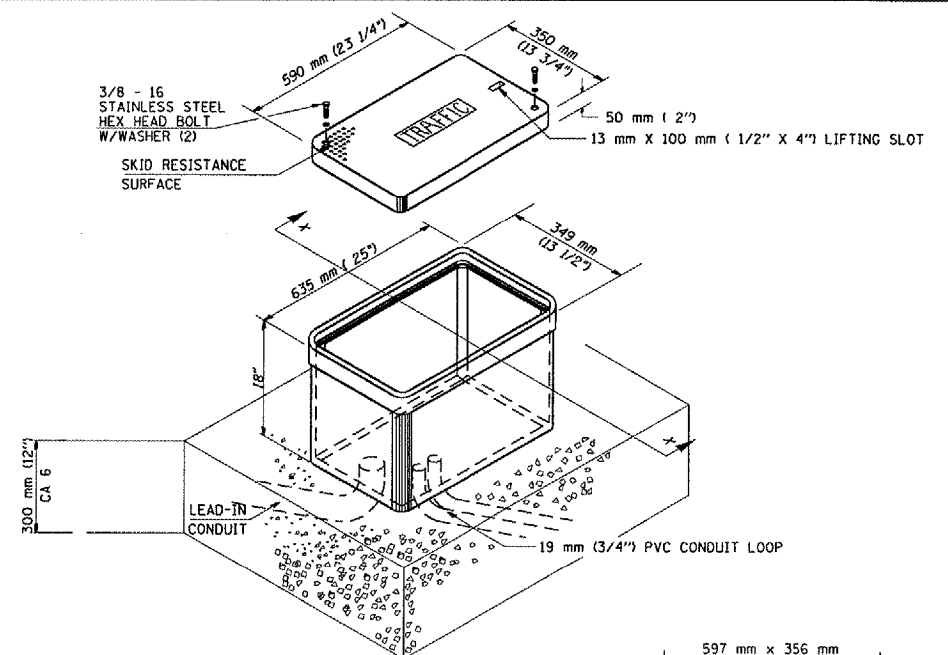
HANDHOLE CABLE CONNECTIONS



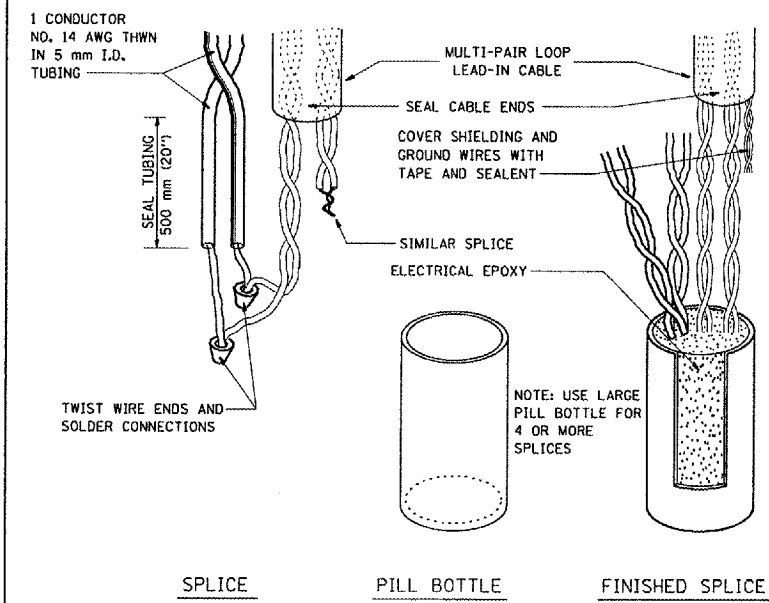
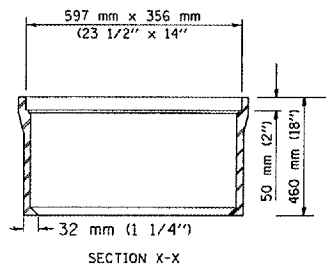
PAVEMENT SAWING DETAIL FOR TUBE ENCASED DETECTOR LOOP WIRE



GULFBOX JUNCTION DETAIL (SHOWING CONNECTION OF TUBE-ENCASED DETECTOR LOOP TO MULTI-PAIR LEAD-IN CABLE)



JUNCTION BOX (SPECIAL)



BOTTLE SPLICE DETAIL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL DETECTOR LOOP DETAILS

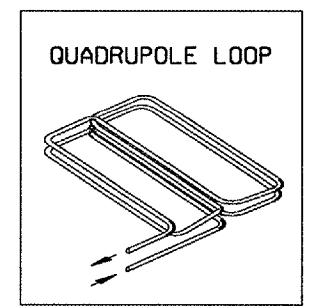
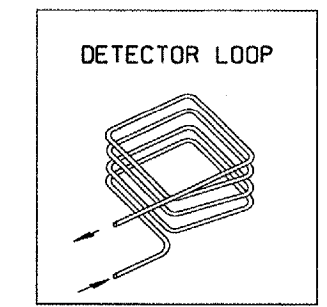
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DRAWN BY WCD CHECKED BY

PLOT DATE = 4/1/2005
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 REFERENCE = NREF

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8027	12RS-4,TS-1	SANGAMON	31	31
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LOOP DESIGNATION	NUMBER OF TURNS	READING @ HANDHOLE OR JUNCTION BOX				READING @ CONTROLLER				LOOP DESIGNATION	NUMBER OF TURNS	READING @ HANDHOLE OR JUNCTION BOX				READING @ CONTROLLER			
		CALCULATED		METERED		CALCULATED		METERED				CALCULATED		METERED		CALCULATED		METERED	
		μ	Ω	μ	Ω	μ	Ω	μ	Ω			μ	Ω	μ	Ω	μ	Ω	μ	Ω
SAF	4	139	0.31			183	6.74												
SAE	4	139	0.30			168	4.66												
SAP	2-4-2	436	1.22			452	3.68												
NAP	2-4-2	427	1.35			428	1.55												
NAE	4	139	0.30			154	2.58												
NAF	4	139	0.30			169	4.68												
NFP	2-4-2	421	1.21			429	2.31												
NFE	4	142	0.37			157	2.65												
NFF	4	142	0.36			171	4.75												



INSTALLING THE LOOP WIRE:
THE NEGATIVE LEAD SHALL BE CONNECTED TO THE BLACK CONDUCTOR OF A PAIR OF CONDUCTORS IN THE LEAD-IN CABLE AND THE POSITIVE LEAD SHALL BE CONNECTED TO THE COLOR-CODED CONDUCTOR OF THE CABLE PAIR.

DETECTOR LOOP WIRE INSTALLATION

DETECTOR NOTES:

1. THE DETECTOR LOOP SHALL BE CENTERED IN THE LANE IN WHICH IT IS SHOWN. ANY ADJUSTMENTS ARE TO BE MADE ONLY AT THE DIRECTION OF THE ENGINEER.
2. THE DETECTOR LOOPS SHALL CONSIST OF THE NUMBER OF TURNS AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.
3. ACCEPTANCE OF THE LOOPS AS METERED SHALL BE DETERMINED BY THE ENGINEER.
4. ALL DETECTOR WIRES SHALL BE MARKED WITH WATERPROOF LABELS USING THE WIRING IDENTIFICATION SHOWN ON THE PLANS. THE + AND - OF EACH LOOP MUST BE USED TO IDENTIFY CURRENT FLOW. ALWAYS CONNECT THE BLACK WIRE OF EACH PAIR TO THE NEGATIVE (-) LOOP WIRE.
5. ALL QUADRUPOLE LOOPS SHALL BE 2-4-2 DESIGN.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL DETECTOR LOOP DETAILS

SCALE:
VERT. DATE: MAY 2, 1996
HORIZ.

DRAWN BY
CHECKED BY WCD

PLOT DATE : 4/1/2005
PLOT SCALE : 41.3777 IN
REFERENCE : #REF#

DELOOP