1-19-07 Letting, Item 051

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	1

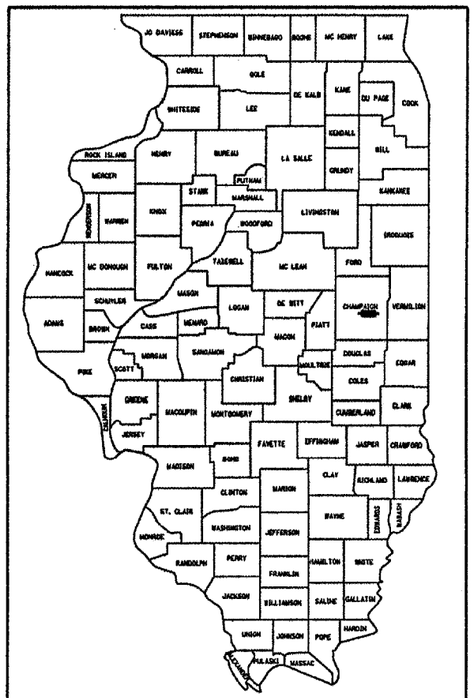
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

F.A.P. ROUTE 808 (US 150) & F.A.P. ROUTE 808 SPUR (IL 130 SPUR)
SECTION (3R,3X)RS
PROJECT NHF-0808(034)
CHAMPAIGN COUNTY

RESURFACING (3P)
C-95-114-00

D95-052-00

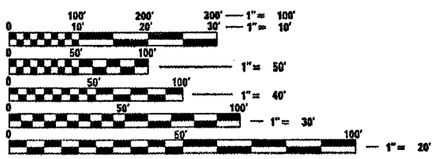


LOCATION OF SECTION INDICATED THUS:- ▬

PROJECT ENGINEER: KENSIL GARNETT (217)465-4181
DESIGNER: RYAN CARROLL
SQUAD LEADER: CORY SHEEHY

ADT = 12,400 (2003)

DESIGN DESIGNATION
FUNCTIONAL CLASSIFICATION
OTHER PRINCIPAL ARTERIAL

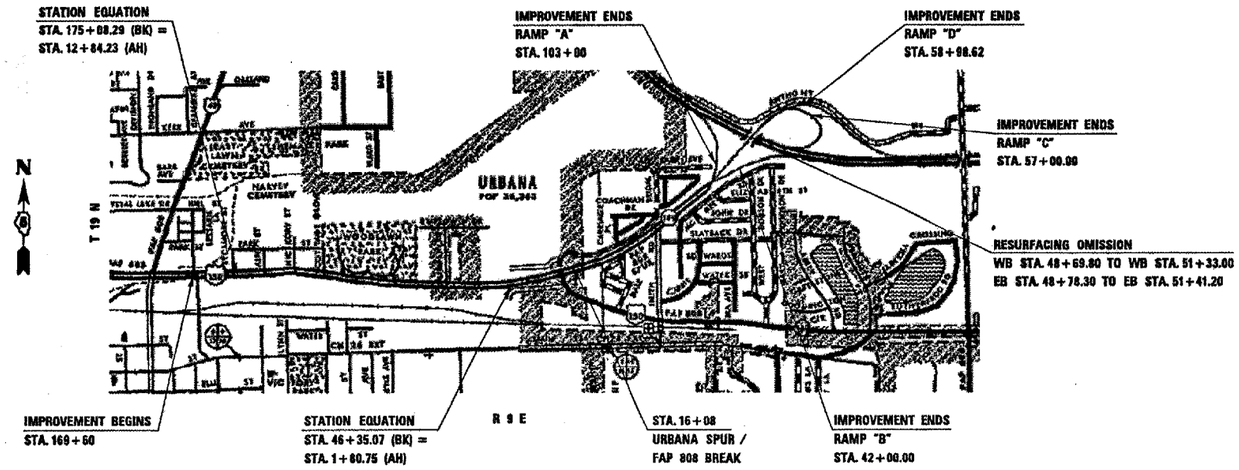


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

CONTRACT NO. 70122

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4 - 5



TOTAL LENGTH OF SECTION & PROJECT = 9,614.47 FEET = 1.82 MILES
NET LENGTH OF SECTION & PROJECT = 9,614.47 FEET = 1.82 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED October 24 20 06

DEPUTY DIRECTOR OF HIGHWAYS, REGION 3 ENGINEER

December 8 20 06
Eric E. Harm P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

December 8 20 06
Milton R. Lee P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

c:\projects\d505200 (v8i\text.dgn

INDEX OF SHEETS

LIST OF STANDARDS

STANDARD NO.	DESCRIPTION
000001-04	STANARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
442201-02	CLASS C & D PATCHES
482011-02	HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
604051-02	FRAME AND GRATE, TYPE 11
606001-03	CONC. CURB TYPE B AND COMB. CONC. CURB AND GUTTER
606301-03	PC CONCRETE ISLANDS AND MEDIANS
701426-02	TRAFFIC CONTROL AND PROTECTION
701601-04	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-04	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-04	TRAFFIC CONTROL AND PROTECTION
702001-06	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
886001	DETECTOR LOOP INSTALLATIONS
886006	TYPICAL LAYOUT FOR DETECTION LOOPS

PLOT DATE = 10/23/2006
FILE NAME = [illegible]
PLOT SCALE = 43.2355 ' / IN.
USER NAME = [illegible]

GENERAL NOTES

G.N.-100
ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-406
THE QUANTITIES INCLUDED IN THE PLANS FOR HOT-MIX ASPHALT RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

G.N.-406.05b
ALL LEVELING BINDER OR BINDER SHALL BE GIVEN A FOG COAT OF PRIME BEFORE THE SURFACE COURSE IS PLACED WHEN DIRECTED BY THE ENGINEER.

THE FOG COAT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER GALLON FOR BITUMINOUS MATERIAL (PRIME COAT) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N.-406.10
FOR MULTILANE RESURFACING

WHEN BEGINNING THE RESURFACING WITH NEW MIXTURES FOR LEVELING BINDER, BINDER COURSE, AND SURFACE COURSE MIXTURES, THE WORK WILL BE CONFINED TO THE INSIDE TRAFFIC LANE (PASSING LANE) FIRST. THE WORK WILL REMAIN ON THE INSIDE LANE UNTIL THE MIX HAS BEEN ADJUSTED AND APPROVED BY THE ENGINEER BEFORE ANY RESURFACING IS ALLOWED ON THE OUTSIDE (DRIVING) TRAFFIC LANE(S).

ANY DELAYS OR INCONVENIENCES CAUSED THE CONTRACTOR IN COMPLYING WITH THIS REQUIREMENT WILL BE CONSIDERED INCIDENTAL TO THE VARIOUS HOT-MIX ASHPALT PAY ITEMS, AS SHOWN IN THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N. -406H

MIXTURE REQUIREMENTS

The following mixture requirements are applicable for this project:

Location	US 150 & IL 130 Spur	US 150 & IL 130 Spur	US 150 & IL 130 Spur	US 150 & IL 130 Spur
Mixture Use	Polymerized Surface	Polymerized Level Binder	Incidental & Shoulders	Class D Patching
AC/PG	SBS PG 70-22	SBS PG 70-22	PG 64-22	PG 64-22
RAP % (Max)	10%	10%	10%	10%
Design Air Voids	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=90
Mix Comp(Gradation)	IL 9.5	IL 9.5	IL 9.5	IL 19.0
Friction Aggregate	Mix D	Mix C	Mix C	N.A.

G.N.-440B
THE EXISTING TIE BARS BETWEEN THE EXISTING PAVEMENT AND EXISTING MEDIANS, GUTTERS AND/OR COMBINATION CURB AND GUTTERS THAT ARE FOUND SUITABLE FOR REUSE SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY EXISTING TIE BARS THAT ARE FOUND UNSUITABLE TO BE INCORPORATED INTO THE PROPOSED CONSTRUCTION DUE TO EXCESSIVE RUSTING OR DISTRESS SHALL BE REMOVED FLUSH WITH THE FACE OF THE EXISTING CONCRETE AND DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.

THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE VARIOUS REMOVAL PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N.-442B – PATCHING SCHEDULES
THE PATCHING SCHEDULES INCLUDED IN THE PLANS REPRESENT THE BEST INFORMATION AVAILABLE AT THE TIME OF COMPLETION OF THE PLANS FOR LETTING. VARIATIONS IN LOCATION AND SIZES OF BOTH FULL-DEPTH AND PARTIAL-DEPTH PATCHES MAY OCCUR.

G.N.-667
THE RESIDENT ENGINEER SHALL CONTACT THE PROGRAM DEVELOPMENT CHIEF OF SURVEYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE FOR INSTRUCTION AS TO SETTING OF TEMPORARY OR PERMANENT TIES FOR CENTERLINE ALIGNMENT CONTROL SURVEY MARKERS (PC'S, PT'S, AND PI'S). PROJECT IMPLEMENTATION PERSONNEL WILL BE RESPONSIBLE FOR SETTING THESE MARKERS.

G.N.-703A
SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (PRIME COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE, SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

G.N.-781
RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH STANDARD 781001, AND THE DETAILS SHOWN IN THE PLANS. IF THERE IS ANY DISCREPANCY BETWEEN THE STANDARD AND THE DETAILS IN THE PLANS, THE DETAILS IN THE PLANS SHALL GOVERN. THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS AND THE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED MIDWAY IN THE 30 FOOT (9 m) SPACE BETWEEN THE DASHED CENTERLINE STRIPES (WHEN APPLICABLE).

G.N. - 873
EXISTING DETECTOR LOOPS IN THE AREAS OF PROPOSED SURFACE REMOVAL SHALL BE REPLACED PER THE EXISTING SIZE AND LOCATION EXCEPT AS NOTED IN THE PLANS. EXISTING DETECTOR LOOPS SHALL BE DISCONNECTED AT THE GULFBOX JUNCTION OR HANDHOLE PRIOR TO COLD MILLING AT THAT RESPECTIVE LOCATION. NEW DETECTOR LOOPS SHALL BE CONNECTED TO THE RESPECTIVE EXISTING AMPLIFIER. IN GENERAL, ADVANCED DETECTOR LOOPS FOR DILEMMA ZONE PROTECTION LOCATED AT THE SAME STATION SHALL BE GROUPED TOGETHER ON A COMMON AMPLIFIER. PRESENCE LOOPS SHALL BE GROUPED BY LANE ON A COMMON AMPLIFIER. DETECTOR LOOPS SHALL NOT BE WIRED IN SERIES.

WHERE IT IS NECESSARY TO INSTALL MORE THAN ONE LOOP LEAD-IN IN A CONDUIT, LEAD-INS SHARING THE SAME CONDUIT SHALL BE ON A COMMON AMPLIFIER.

<u>COMMITMENTS</u>
NO COMMITMENTS ARE REQUIRED FOR THIS PROJECT.

PLOT DATE = 10/24/2006
FILE NAME = c:\projects\d505200 (v8)\text.dgn
PLOT SCALE = 42.3529 ' / IN.
USER NAME = carrollrt

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	4

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITY	URBAN 80% FED. 20% STATE (CONSTRUCTION TYPE CODE: 1000-2A; LOCATION OF WORK: STA. 169+60 TO 16+08 FAP 808 US 150) QUANTITY	URBAN 80% FED. 20% STATE (CONSTRUCTION TYPE CODE: 1000-2A; LOCATION OF WORK: STA. 16+08 TO 58+98.62 FAP 808 SPUR IL 130 SPUR) QUANTITY
20200100	EARTH EXCAVATION	CU YD	10.0	10.0	0.0
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	9110.0	6764.0	2346.0
40600300	AGGREGATE (PRIME COAT)	TON	183.0	136.0	47.0
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	20.0	12.0	8.0
40600845	POLYMERIZED LEVELING BINDER (MACHINE METHOD) N90	TON	2074.0	1884.0	190.0
40600895	CONSTRUCTING TEST STRIP	EACH	1.0	1.0	0.0
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	710.0	710.0	0.0
40600990	TEMPORARY RAMP	SQ YD	886.0	886.0	0.0
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE,MIX "D", N90	TON	4689.0	3002.0	1687.0
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	54.0	54.0	0.0
40800030	AGGREGATE (PRIME COAT)	TON	2.0	2.0	0.0
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	60.0	60.0	0.0
44000154	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/4"	SQ YD	16689.0	0.0	16689.0
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	10404.0	7020.0	3384.0
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	143.0	143.0	0.0
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	24.0	24.0	0.0
44003510	MEDIAN REMOVAL PARTIAL DEPTH	SQ FT	5947.0	5947.0	0.0
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	24.0	24.0	0.0
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	163.0	163.0	0.0
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	145.0	32.0	113.0
48101200	AGGREGATE SHOULDERS, TYPE B	TON	78.0	12.0	66.0
48203007	HOT-MIX ASPHALT SHOULDERS, 2 1/2"	SQ YD	434.0	234.0	200.0
60255500	MANHOLES TO BE ADJUSTED	EACH	6.0	6.0	0.0
60261300	INLETS TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	12.0	5.0	7.0
60266600	VALVE BOXES TO BE ADJUSTED	EACH	6.0	6.0	0.0
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	19.0	19.0	0.0
60300205	FRAMES AND GRATES TO BE ADJUSTED (SPECIAL)	EACH	28.0	28.0	0.0
60402510	GRATES, TYPE 11	EACH	42.0	42.0	0.0
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	650.0	650.0	0.0
60622353	CONCRETE MEDIAN, TYPE SM-6	SQ FT	223.0	223.0	0.0
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3.0	1.5	1.5

PLOT DATE = [illegible]
FILE NAME = [illegible]
PLOT SCALE = 43.2355 ' / IN.
USER NAME = [illegible]

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	5

SUMMARY OF QUANTITIES

	CODE NO	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE: URBAN 80% FED. 20% STATE 1000 — LOCATION OF WORK: STA. 169+60 TO 16+08 FAP 808 US 150 QUANTITY	CONSTRUCTION TYPE CODE: URBAN 80% FED. 20% STATE 1000 — LOCATION OF WORK: STA. 16+08 TO 58+98.62 FAP 808 SPUR IL 130 SPUR QUANTITY
	67100100	MOBILIZATION	L SUM	1.0	0.5	0.5
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1.0	0.5	0.5
	70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1.0	0.5	0.5
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1.0	0.5	0.5
	70300100	SHORT-TERM PAVEMENT MARKING	FOOT	6209.0	3000.0	3209.0
	70300610	TEMPORARY PAINT PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	562.0	484.0	78.0
	70300625	TEMPORARY PAINT PAVEMENT MARKING LINE 4"	FOOT	33435.0	16308.0	17127.0
	70300635	TEMPORARY PAINT PAVEMENT MARKING LINE 6"	FOOT	96.0	96.0	0.0
	70300640	TEMPORARY PAINT PAVEMENT MARKING LINE 8"	FOOT	1892.0	1892.0	0.0
	70300645	TEMPORARY PAINT PAVEMENT MARKING LINE 12"	FOOT	412.0	412.0	0.0
	70300660	TEMPORARY PAINT PAVEMENT MARKING LINE 24"	FOOT	115.0	115.0	0.0
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1819.0	1000.0	819.0
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	562.0	484.0	78.0
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	33435.0	16308.0	17127.0
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	96.0	96.0	0.0
*	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1892.0	1892.0	0.0
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	412.0	412.0	0.0
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	115.0	115.0	0.0
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	226.0	80.0	146.0
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	312.0	150.0	162.0
*	88600100	DETECTOR LOOP, TYPE I	FOOT	940.0	740.0	200.0
	X4401705	PARTIAL DEPTH REMOVAL	SQ YD	342.0	102.0	240.0
	X4421000	PARTIAL DEPTH PATCHING	TON	105.0	31.0	74.0
	X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	40.0	20.0	20.0
	XZ193400	SURVEY MARKER, TYPE 2 (SPECIAL)	EACH	3.0	1.0	2.0
	Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	3.0	1.0	2.0

* SPECIALTY ITEMS

PLOT DATE : 10/27/2006
FILE NAME : c:\projects\d5053200 (wB)\sest.dgn
PLOT SCALE : 43.2355 ' / IN.
USER NAME : carrollrt

CONTRACT NO. 70122

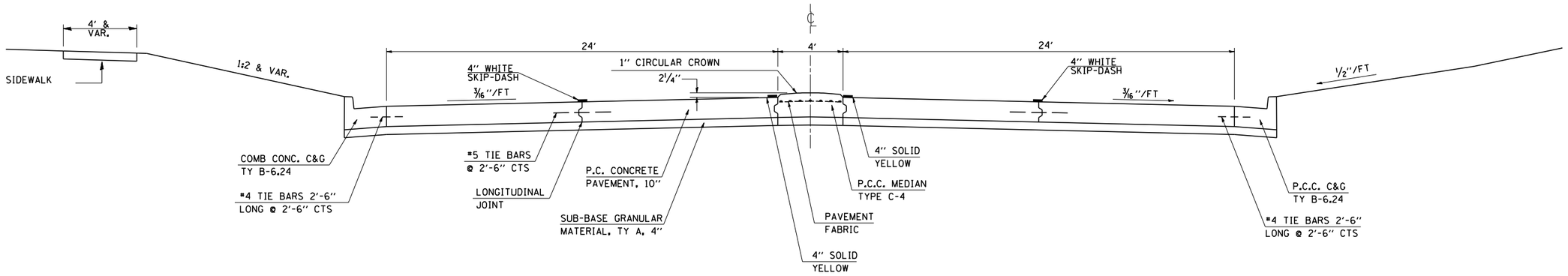
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	6

EXISTING TYPICAL CROSS-SECTION

STA 169+60.00 TO STA 175+08.29

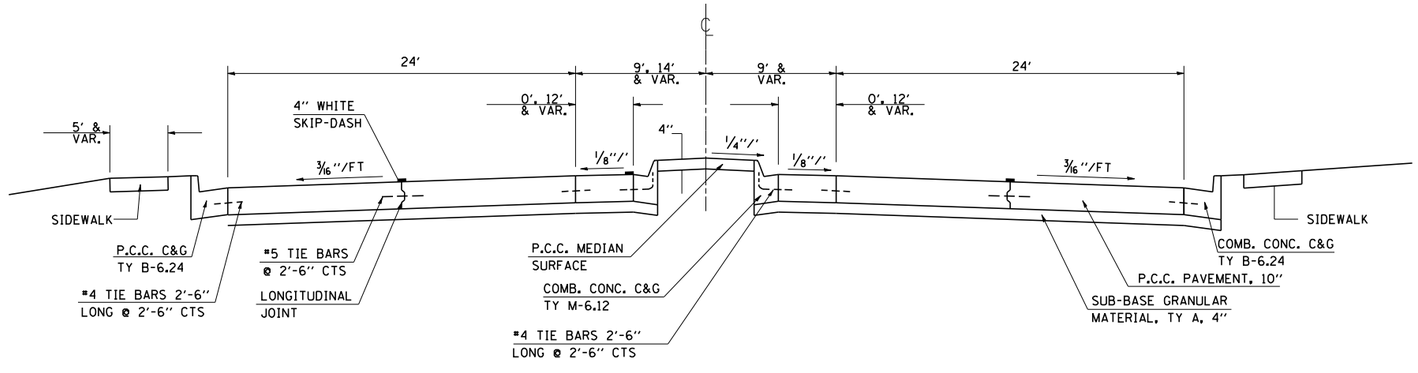
STA EQUATION: STA 175+08.29 (BK) = STA 12+84.83 (AH)

STA 12+84.83 TO STA 25+16.50



EXISTING TYPICAL CROSS-SECTION

STA 25+16.50 TO STA 42+00.00



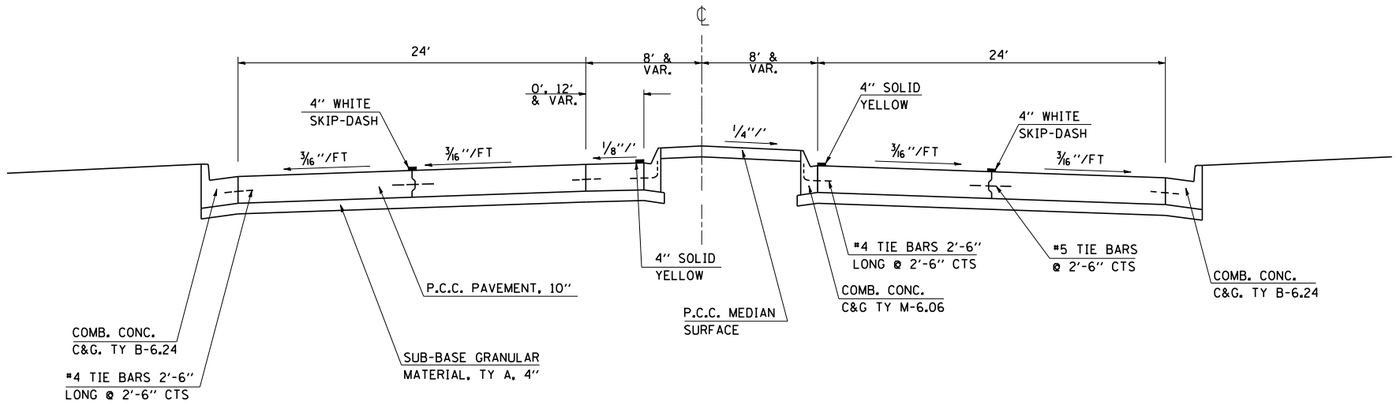
PLOT DATE = 10/24/2006
FILE NAME = c:\projects\cd505208 (v8)\70122typicals.dgn
PLOT SCALE = 42.3529 ' / IN.
USER NAME = ecrain

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	7

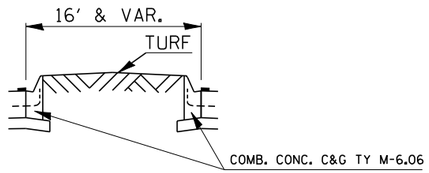
EXISTING TYPICAL CROSS-SECTION

STA 42+00.00 TO STA 46+34.93
STA EQUATION: STA 46+34.93 (BK) = STA 1+80.75 (AH)
STA 1+80.75 TO STA 6+00.00



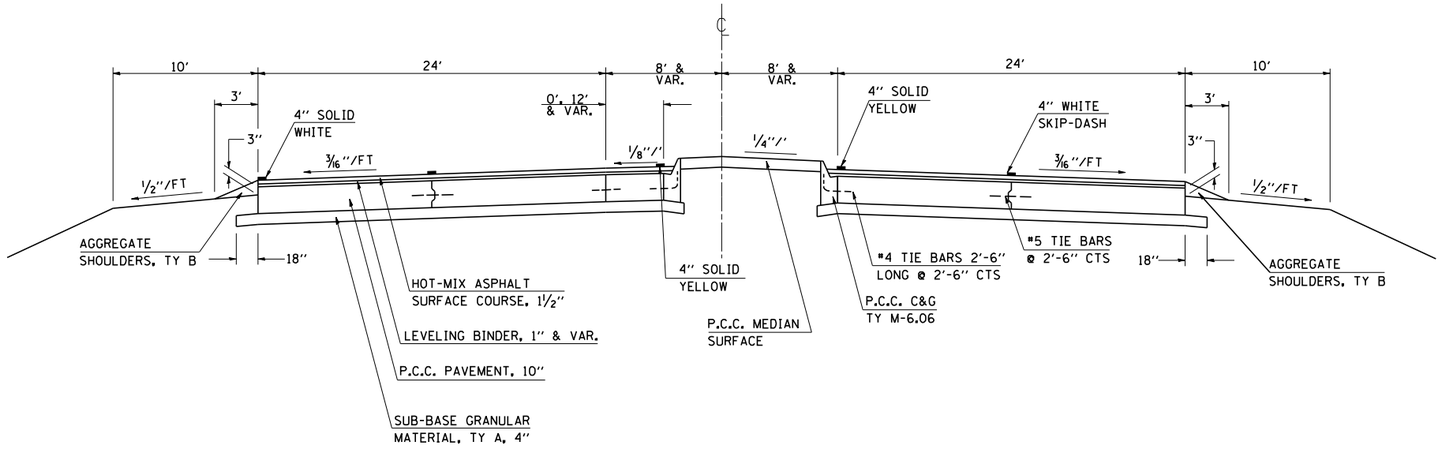
MEDIAN DETAIL

STA 4+00 TO STA 6+00



EXISTING TYPICAL CROSS-SECTION

STA 6+00.00 TO STA 7+94.88



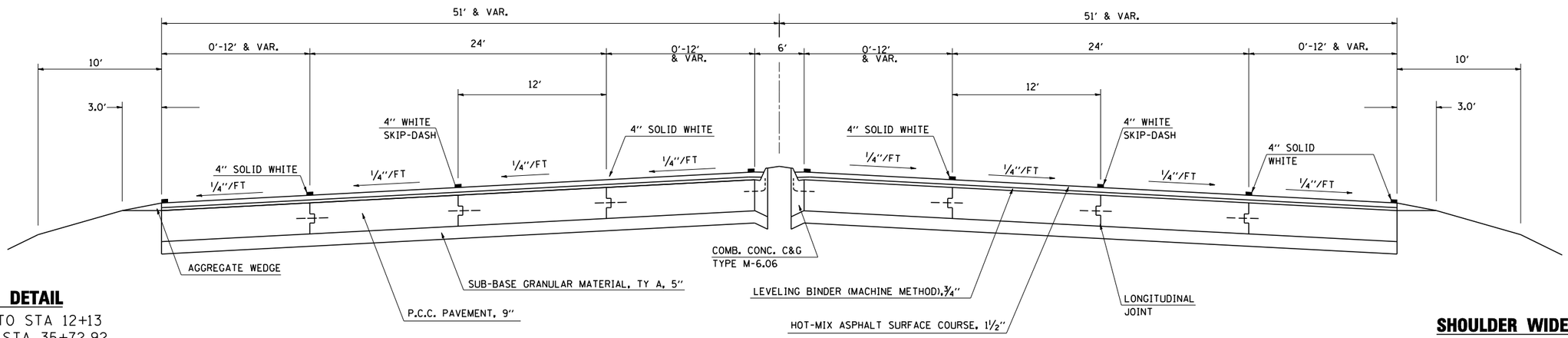
PLOT DATE = 10/24/2006
FILE NAME = c:\projects\cd085208 (v8)\70122typicals.dgn
PLOT SCALE = 42.3529 ' / IN.
USER NAME = ecrain

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	8

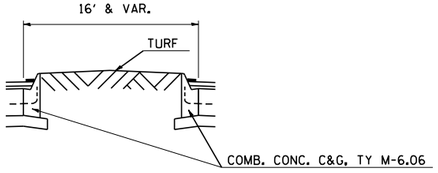
EXISTING TYPICAL CROSS-SECTION

STA 7+94.88 TO STA 35+72.92



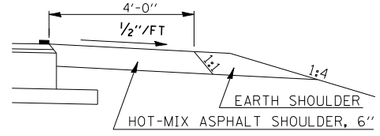
MEDIAN DETAIL

STA 7+94.88 TO STA 12+13
STA 18+25 TO STA 35+72.92



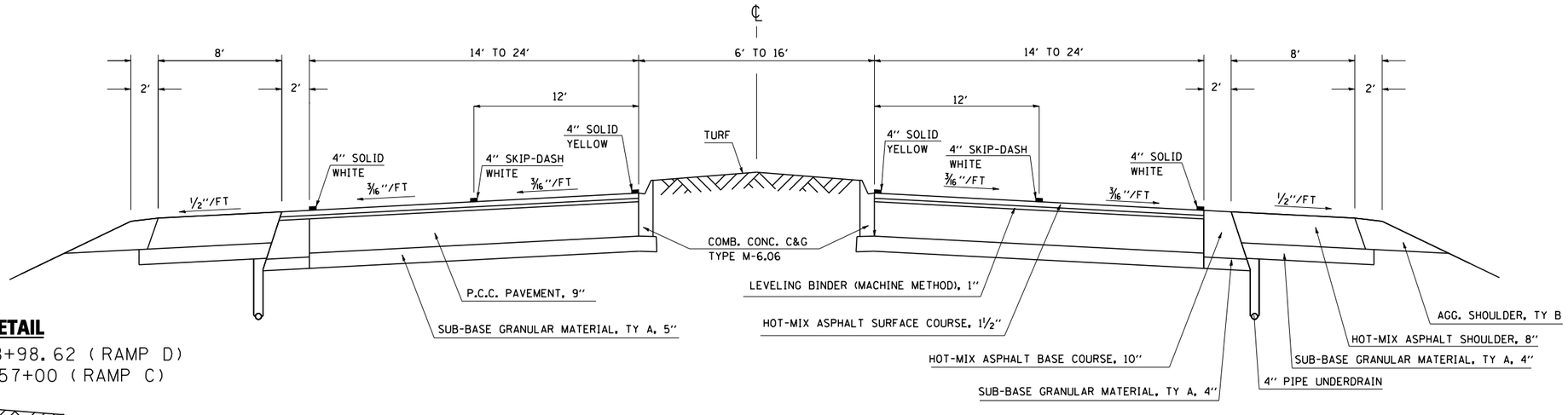
SHOULDER WIDENING DETAIL

RT STA. 9+15.34 TO 14+25.58
LT STA. 15+97.90 TO 20+59.24



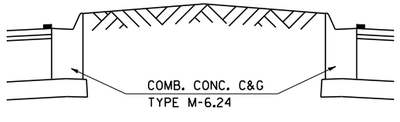
EXISTING TYPICAL CROSS-SECTION

STA 35+72.92 TO STA 46+00
STA 55+62.7 TO STA 58+98.62 (RAMP D)
STA 55+62.7 TO STA 57+00 (RAMP C)



MEDIAN DETAIL

STA 55+62.7 TO STA 58+98.62 (RAMP D)
STA 55+62.7 TO STA 57+00 (RAMP C)



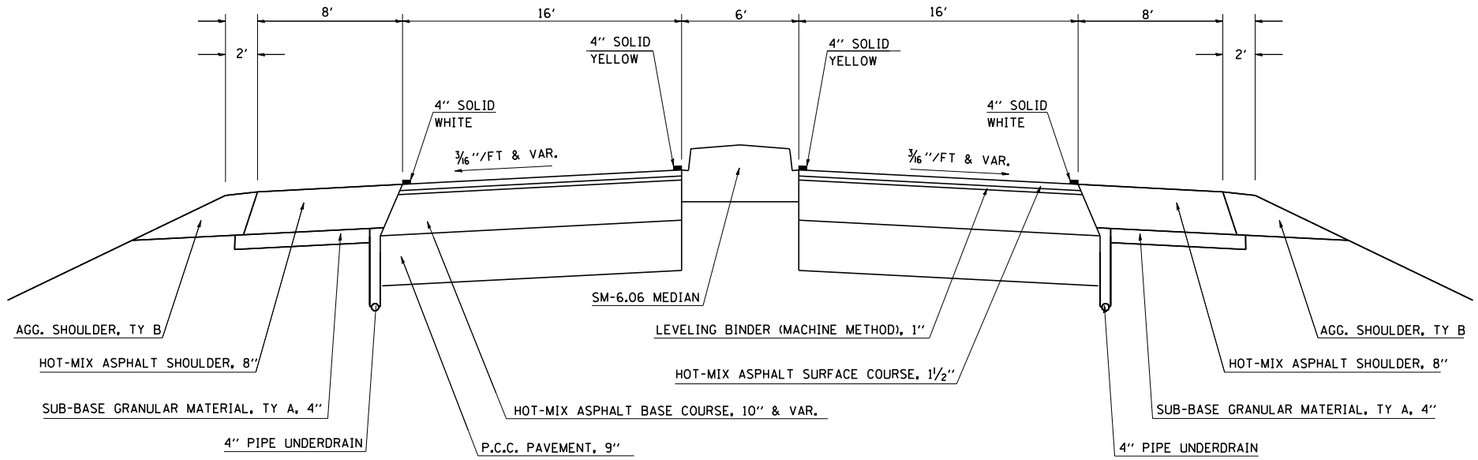
PLOT DATE = 10/24/2006
FILE NAME = c:\projects\cd505208 (d1\70122typicals.dgn
PLOT SCALE = 42.3527 ' / IN.
USER NAME = ecrawlr

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	9

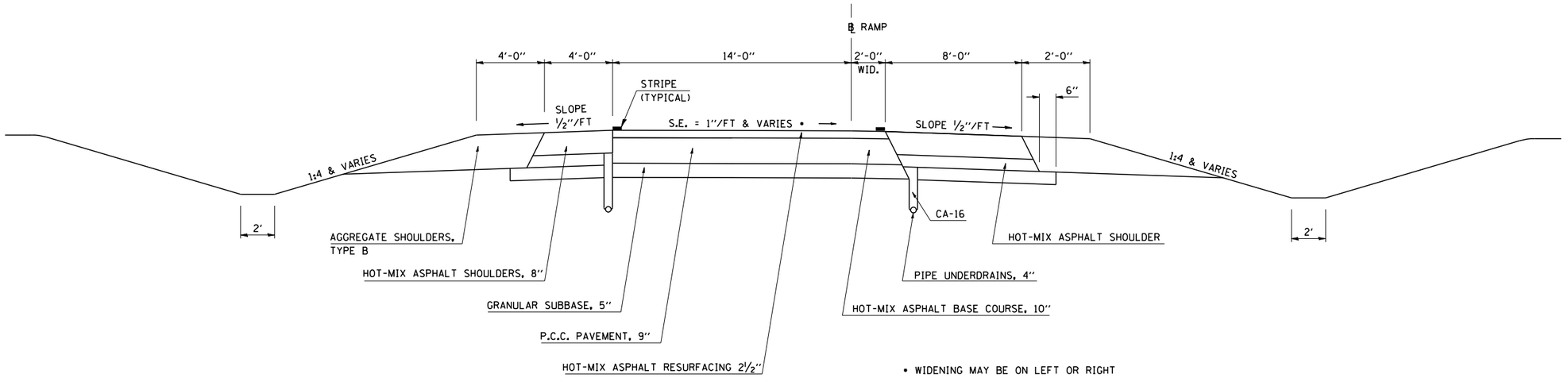
EXISTING TYPICAL CROSS-SECTION

STA 46+00 TO STA 55+62.7 (RAMPS D & C)



EXISTING TYPICAL CROSS SECTION

URBANA SPUR RAMPS
RAMPS A & B



• WIDENING MAY BE ON LEFT OR RIGHT

PLOT DATE = 10/24/2006
FILE NAME = c:\projects\cd505208 (v8)\70122\typicals.dgn
PLOT SCALE = 42.3529 ' / IN.
USER NAME = ecrain

CONTRACT NO. 70122

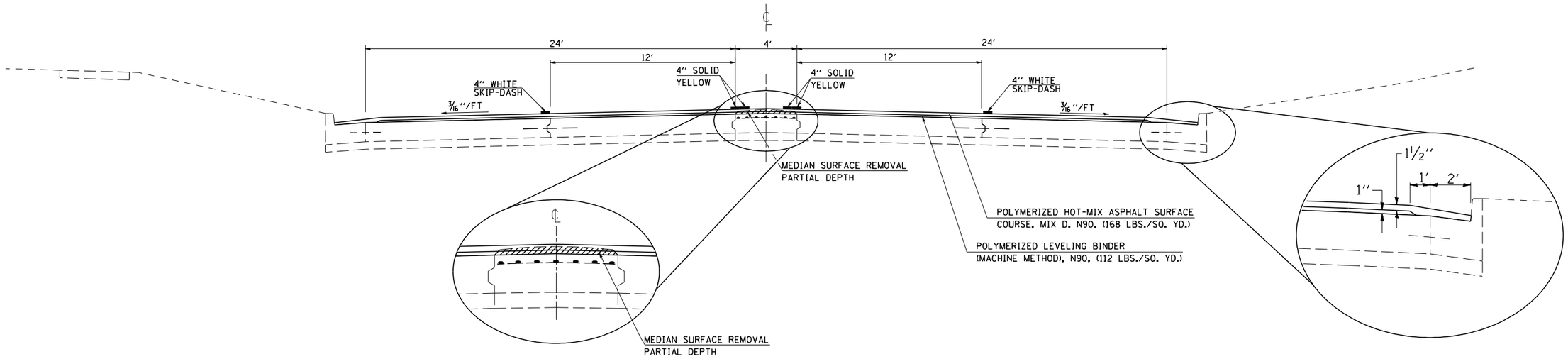
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	10

PROPOSED TYPICAL CROSS-SECTION (1)

STA 169+60.00 TO STA 175+08.29

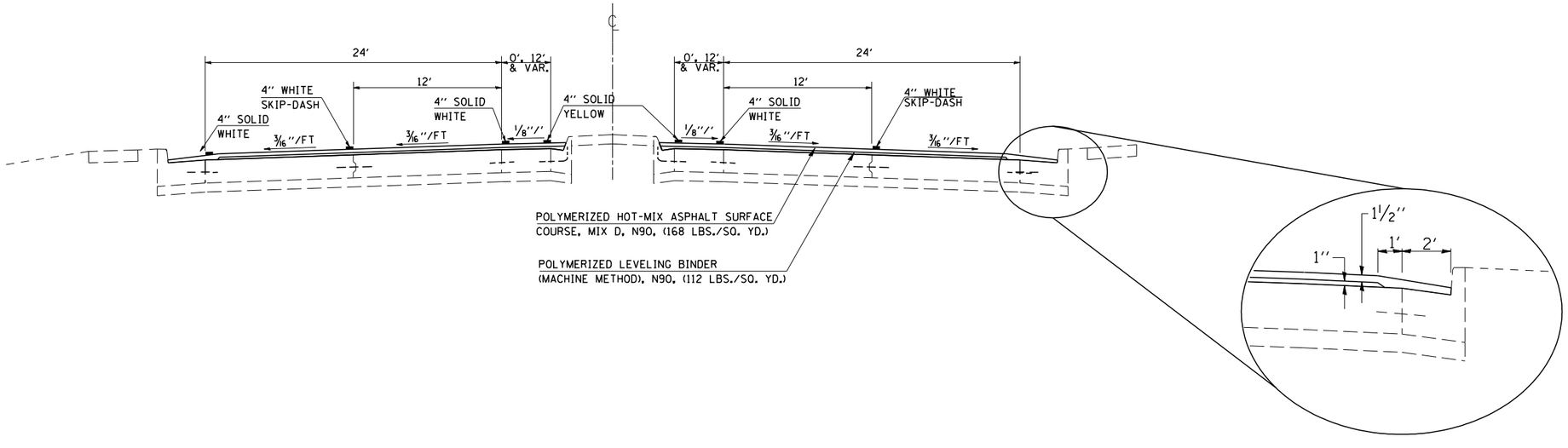
STA EQUATION: STA 175+08.29 (BK) = STA 12+84.83 (AH)

STA 12+84.83 TO STA 25+16.50 (2)



PROPOSED TYPICAL CROSS-SECTION (2)

(1) STA 25+16.50 TO STA 42+00.00 (3)



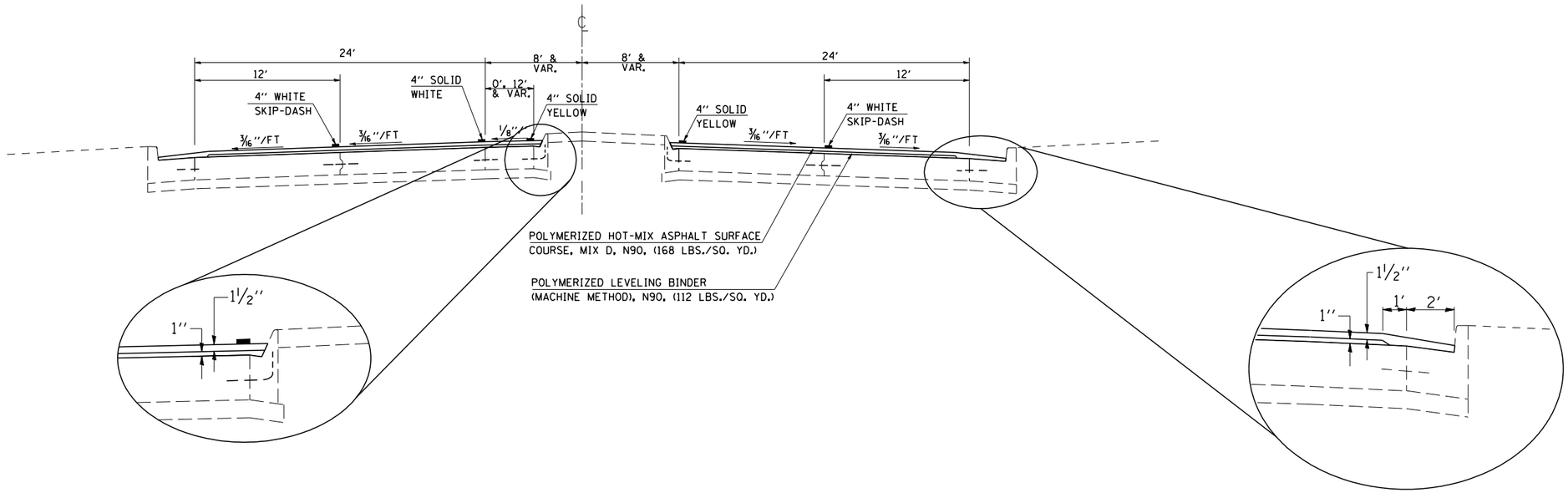
PLOT DATE = 10/24/2006
FILE NAME = c:\projects\cd085208 (v8)\70122typicals.dgn
PLOT SCALE = 42.3529 ' / IN.
USER NAME = ecrain

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	11

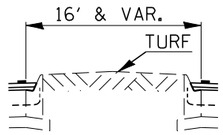
PROPOSED TYPICAL CROSS-SECTION (3)

(2) STA 42+00.00 TO STA 46+34.93
STA EQUATION: STA 46+34.93 (BK) = STA 1+80.75 (AH)
STA 1+80.75 TO STA 6+00.00 (4)



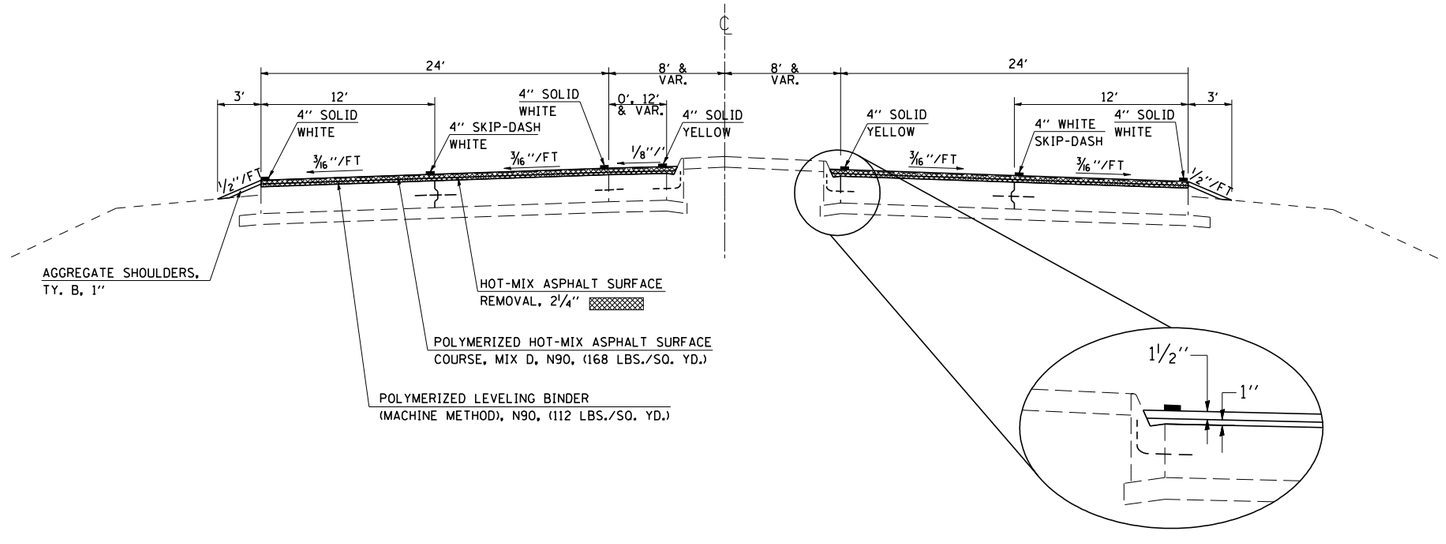
MEDIAN DETAIL

STA 4+00 TO STA 6+00



PROPOSED TYPICAL CROSS-SECTION (4)

(3) STA 6+00.00 TO STA 7+94.88 (5)



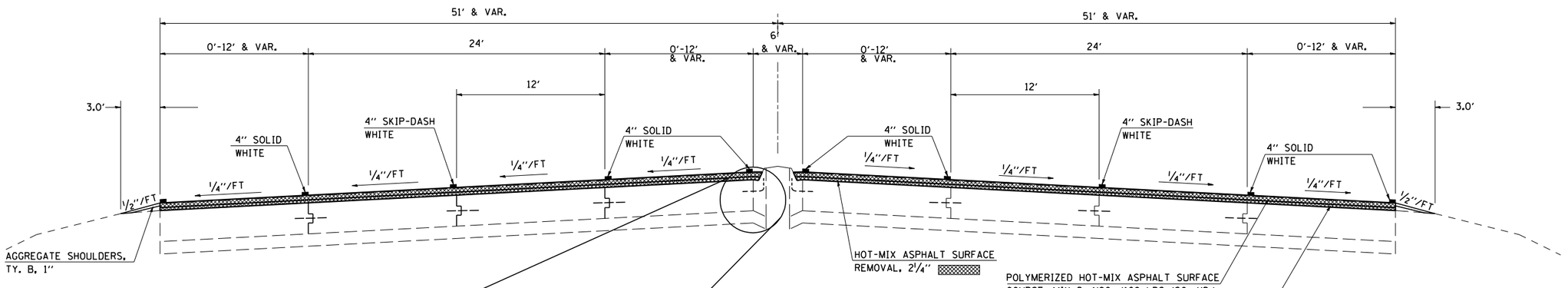
PLOT DATE = 10/24/2006
FILE NAME = c:\projects\cd505208 (v8)\70122\typicals.dgn
PLOT SCALE = 42.3529 ' / IN.
USER NAME = cerwin

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	12

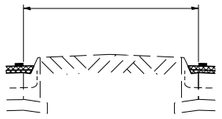
PROPOSED TYPICAL CROSS-SECTION (5)

(4) STA 7+94.88 TO STA 20+54.5 (6)



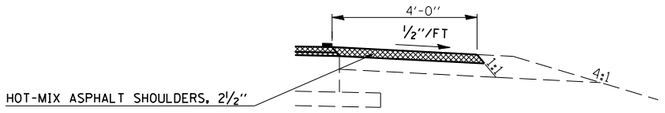
MEDIAN DETAIL

STA 7+94.88 TO STA 12+13
STA 18+25 TO STA 35+72.92



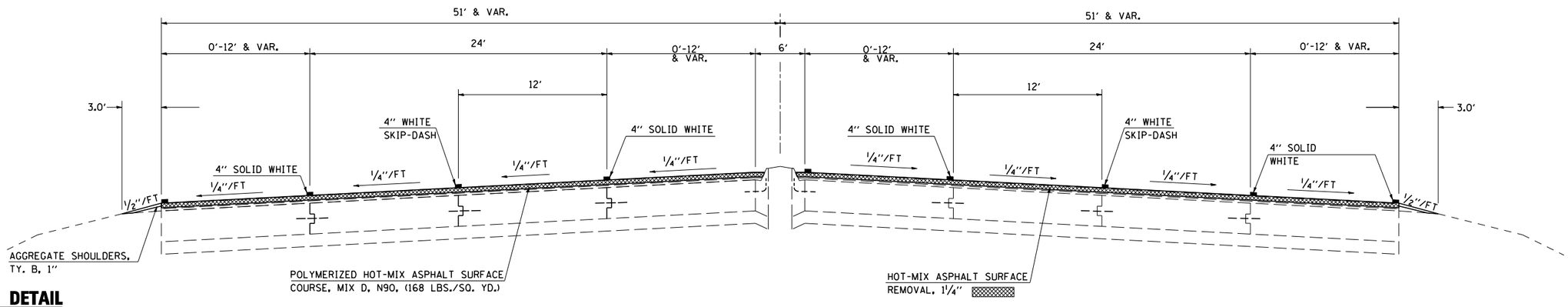
SHOULDER WIDENING DETAIL

RT STA. 9+15.34 TO 14+25.58
LT STA. 15+97.90 TO 20+59.24



PROPOSED TYPICAL CROSS-SECTION (6)

(5) STA 20+54.65 TO STA 35+72.92 (7)



MEDIAN DETAIL

STA 7+94.88 TO STA 12+13
STA 18+25 TO STA 35+72.92

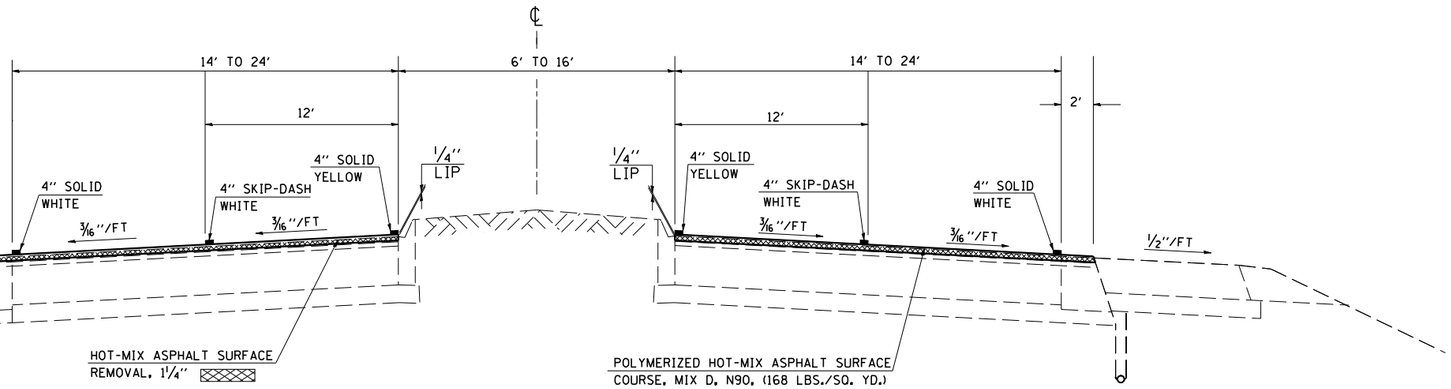
PLOT DATE = 10/24/2006
FILE NAME = c:\projects\cd605208 (v8)\70122typicals.dgn
PLOT SCALE = 42.3529 ' / IN.
USER NAME = ecrain

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	13

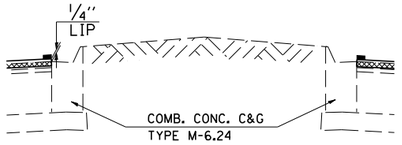
PROPOSED TYPICAL CROSS-SECTION (7)

(6) STA 35+72.92 TO STA 46+00 (8)
(8) STA 55+62.7 TO STA 58+98.62 (RAMP D)
(8) STA 55+62.7 TO STA 57+00 (RAMP C)



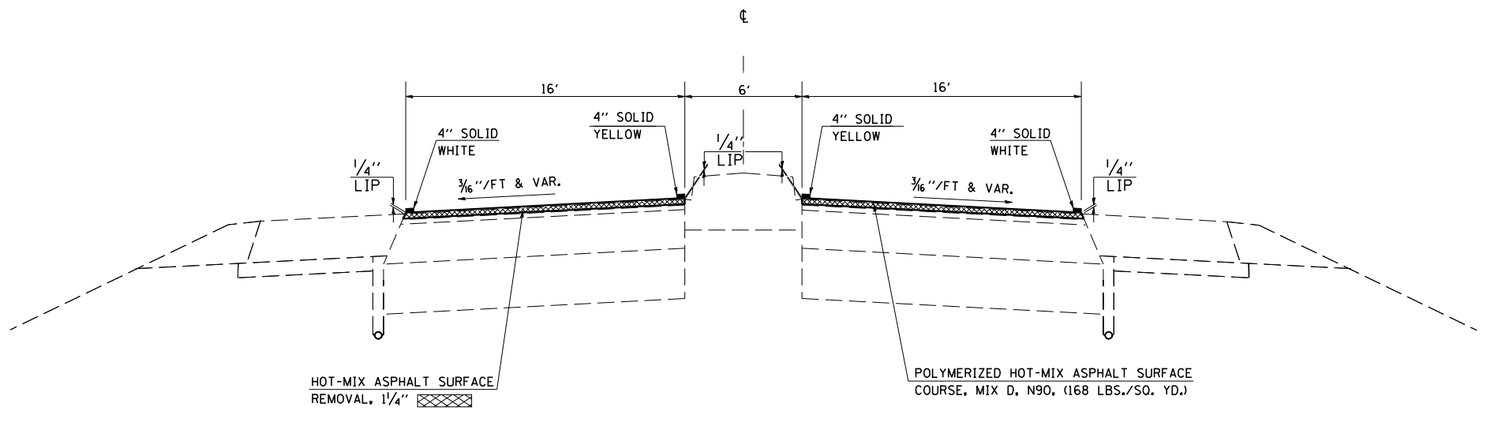
MEDIAN DETAIL

STA 55+62.7 TO STA 58+98.62 (RAMP D)
STA 55+62.7 TO STA 57+00 (RAMP C)



PROPOSED TYPICAL CROSS-SECTION (8)

(7) STA 46+00 TO STA 55+62.7 (RAMPS C & D)



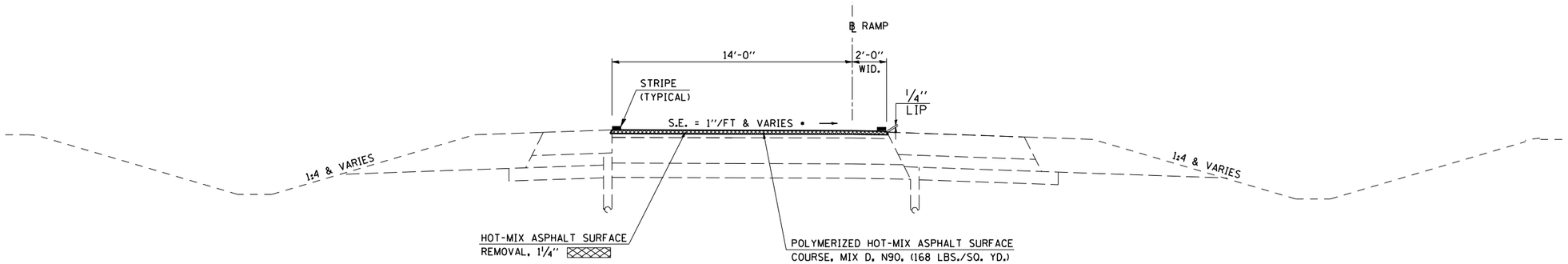
PLOT DATE = 10/24/2006
FILE NAME = c:\projects\cd505208 (v8)\70122\typicals.dgn
PLOT SCALE = 42.3529 ' / IN.
USER NAME = cerwin

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	14

PROPOSED TYPICAL CROSS SECTION (9)

URBANA SPUR RAMPS
RAMPS A & B



PLOT DATE = 10/24/2006
FILE NAME = c:\projects\cd505200 (v8i\70122\typicals.dgn
PLOT SCALE = 42.352 ' / IN.
USER NAME = ecrouch

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	15

SCHEDULE OF QUANTITIES

TABULATION OF MAINLINE RESURFACING QUANTITIES

LOCATION				TOTAL ROADWAY WIDTH FT	LENGTH FT	AREA SQ YD	40600985 PCC SURFACE REMOVAL BUTT JOINT SQ YD	44000158 HMA SURFACE REMOVAL 2.25 IN SQ YD	44000154 HMA SURFACE REMOVAL 1.25 IN SQ YD	40600100 BITUMINOUS MATERIALS PRIME COAT GAL	40600300 AGGREGATE MATERIALS PRIME COAT TON	40600845 POLY. LEVELING BINDER (MM) TON	40603545 POLY. HMA SURF CSE TON	48203007 HOT-MIX ASPHALT SHOULDERS, 2.25 IN	
														LEFT SIDE SQ YD	RIGHT SIDE SQ YD
STA.	169 + 60	TO	169 + 90	52.00	30.00	173.33	173.33			34.67	0.69		15.68		
STA.	169 + 90	TO	175 + 08	52.00	518.29	2994.56				598.91	11.98	167.70	270.89		
STATION EQUATION															
STA.	12 + 85	TO	25 + 64	52.00	1279.17	7390.76				1478.15	29.56	413.88	668.58		
STA.	25 + 64	TO	29 + 15	49.00	350.85	1910.18				382.04	7.64	106.97	173.55		
STA.	29 + 15	TO	29 + 41	58.00	25.90	166.91				33.38	0.67	9.35	14.99		
STA.	29 + 41	TO	29 + 88	66.00	46.90	343.93				68.79	1.38	19.26	30.64		
STA.	29 + 88	TO	46 + 35	61.00	1647.07	11163.47				2232.69	44.65	625.15	999.22		
STATION EQUATION															
STA.	1 + 81	TO	3 + 77	61.00	196.31	1330.55				266.11	5.32	74.51	119.09		
STA.	3 + 77	TO	5 + 42	55.00	165.04	1008.58				201.72	4.03	56.48	90.88		
STA.	5 + 42	TO	6 + 00	49.50	58.00	319.00				63.80	1.28	17.86	28.96		
STA.	6 + 00	TO	9 + 15	49.00	315.34	1716.85		1716.85		343.37	6.87	96.14	144.22		
STA.	9 + 15	TO	10 + 21	52.50	105.76	616.93		616.93		123.39	2.47	34.55	51.82		47.00
STA.	10 + 21	TO	12 + 22	64.00	200.40	1425.07		1425.07		285.01	5.70	79.80	119.71		89.07
STA.	12 + 22	TO	14 + 26	73.50	204.60	1670.90		1670.90		334.18	6.68	93.57	140.36		90.93
STA.	14 + 26	TO	14 + 60	75.00	34.23	285.25		285.25		57.05	1.14	15.97	23.96		
STA.	14 + 60	TO	15 + 67	79.20	106.77	939.58		939.58		187.92	3.76	52.62	78.92		
STA.	15 + 67	TO	15 + 95	80.00	28.09	249.69		249.69		49.94	1.00	13.98	20.97		
STA.	15 + 95	TO	16 + 08	79.50	13.02	115.01		115.01		23.00	0.46	6.44	9.66	5.79	
STA.	16 + 08	TO	17 + 45	80.00	136.89	1216.80		1216.80		243.36	4.87	68.14	102.21	60.84	
STA.	17 + 45	TO	19 + 94	64.50	248.90	1783.78		1783.78		356.76	7.14	99.89	149.84	110.62	
STA.	19 + 94	TO	20 + 59	53.00	65.10	383.37		383.37		76.67	1.53	21.47	32.20	28.93	
STA.	20 + 59	TO	35 + 73	48.50	1513.90	8158.24			8158.24	815.82	16.32		685.29		
STA.	35 + 73	TO	38 + 41	51.80	268.10	1543.06			1543.06	154.31	3.09		129.62		
STA.	38 + 41	TO	38 + 72	49.70	30.60	168.98			168.98	16.90	0.34		14.19		
STA.	38 + 72	TO	39 + 60	30.50	87.56	296.73			296.73	29.67	0.59		24.93		
STA.	39 + 60	TO	48 + 70	32.50	909.80	3285.39			3285.39	328.54	6.57		275.97		
STA.	48 + 70	TO	48 + 78	16.00	8.30	14.76			14.76	1.48	0.03		1.24		
RESURFACING OMMISION															
STA.	51 + 33	TO	51 + 41	16.00	8.00	14.22			14.22	1.42	0.03		1.19		
STA.	51 + 41	TO	52 + 70	32.00	129.00	458.67			458.67	45.87	0.92		38.53		
RAMP C															
STA.	52 + 70	TO	57 + 00	16.00	430.00	764.44			764.44	76.44	1.53		64.21		
RAMP D															
STA.	52 + 70	TO	58 + 99	16.00	628.62	1117.55			1117.55	111.75	2.24		93.87		
RAMP A															
STA.	103 + 00	TO	104 + 59	16.00	159.44	283.45			283.45	28.34	0.57		23.81		
RAMP B															
STA.	38 + 72	TO	42 + 00	16.00	328.00	583.11			583.11	58.31	1.17		48.98		
GRAND-TOTALS =							173.3	10403.2	16688.6	9109.8	182.2	2073.7	4688.2		433.2
USE =							174.0	10404.0	16689.0	9110.0	183.0	2074.0	4689.0		434.0

PLOT DATE = 10/24/2006
FILE NAME = c:\projects\d505200 \c01\sex1.dgn
PLOT SCALE = 40.2500 '/ IN.
USER NAME = carroll.t

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	16

SCHEDULE OF QUANTITIES

ITEMS TO BE ADJUSTED

STATION	O/S	60261300 INLETS TO BE ADJ NEW T11 F & G (EACH)	60300105 FRAME & GRATE TO BE ADJ. (EACH)	60300205 FRAME & GRATE TO BE ADJ. (SPL) (EACH)	60402510 GRATES TYPE 11 (EACH)	60255500 MANHOLES TO BE ADJUSTED (EACH)	60266600 VALVE BOXES TO BE ADJUSTED (EACH)
170+00	RT		1		1		
170+39	LT			1	1		
171+01	RT		1		1		
171+26	LT			1	1		
171+34	LT			1	1		
171+52	RT		1		1		
172+92	RT					1	
172+99	RT					1	
173+70	RT			1	1		
174+46	LT						1
174+59	LT						1
14+82	LT		1		1		
14+91	RT		1		1		
16+40	LT						1
16+47	LT						
16+57	LT						1
16+60	LT					1	
16+83	LT						1
16+95	LT		1		1		
17+01	RT		1		1		
19+01	LT			1	1		
19+16	RT		1		1		
20+73	LT		1				
20+78	LT						1
21+11	RT		1			1	
21+20	LT		1				
23+40	RT			1	1		
23+59	LT		1		1		
28+50	LT			1	1		
28+50	RT			1	1		
30+50	RT			1	1		
30+51	LT			1	1		
32+50	LT			1	1		
32+51	RT			1	1		
33+25	LT					1	
33+46	LT			1	1		
33+46	RT			1	1		
33+51	LT			1	1		
33+51	RT			1	1		
34+48	LT			1	1		
34+48	RT		1		1		
35+68	LT			1	1		
35+68	RT			1	1		
36+86	RT			1	1		
37+08	LT			1	1		
39+87	LT			1	1		
39+87	RT			1	1		
41+11	LT			1	1		
41+11	RT			1	1		
42+31	RT			1	1		
42+31	LT			1	1		
44+06	LT		1		1		
44+06	RT		1				
45+76	LT		1		1		
45+76	RT		1				

ITEMS TO BE ADJUSTED - CONTINUED

STATION	O/S	60261300 INLETS TO BE ADJ NEW T11 F & G (EACH)	60300105 FRAME & GRATE TO BE ADJ. (EACH)	60300205 FRAME & GRATE TO BE ADJ. (SPL) (EACH)	60402510 GRATES TYPE 11 (EACH)	60255500 MANHOLES TO BE ADJUSTED (EACH)	60266600 VALVE BOXES TO BE ADJUSTED (EACH)
2+04	LT		1		1		
2+11	LT		1		1		
2+13	RT	1					
3+77	RT	1					
4+01	LT			1	1		
6+02	RT	1					
8+02	RT	1					
10+03	RT	1					
15+66	RT					1	
20+00	RT	1					
22+00	RT	1					
25+50	RT	1					
28+00	RT	1					
30+50	RT	1					
33+00	RT	1					
35+50	RT	1					
TOTALS =		12	19	28	42	6	6

20200100
EARTH EXCAVATION

STATION	TO	STATION	DESCRIPTION	CU YD
43+70.0	TO	45+87.0	C.L. MEDIAN	10.0
			TOTAL =	10.0

40600990
TEMPORARY RAMP

LOCATION	LENGTH FOOT	SQ YD
STA.169+60	5	29.0
SYCAMORE ST.	8	62.9
ASH ST	8	62.8
HICKORY ST.	8	56
COTTAGE GROVE	8	63.6
20+94 (CE)	8	95.4
46+29 (CE)	8	87.5
LT 13+08 TO LT 16+08	8	266.7
RT 14+26 TO RT 16+08	8	161.8
	TOTAL =	885.7
	USE =	886.0

44000500
COMBINATION CURB & GUTTER REMOVAL

STATION	DESCRIPTION	FOOT
25+63.0	C.L. MEDIAN	14.3
29+70.0	C.L. MEDIAN	14.3
34+71.0	C.L. MEDIAN	14.3
35+45.0	C.L. MEDIAN	14.3
38+63.0	C.L. MEDIAN	14.3
39+75.0	C.L. MEDIAN	14.3
42+92.0	C.L. MEDIAN	14.3
43+72.0	C.L. MEDIAN	14.3
45+84.0	C.L. MEDIAN	14.3
2+10.0	C.L. MEDIAN	14.3
	TOTAL =	143.0

44001700
COMBINATION CURB & GUTTER REMOVAL AND REPLACEMENT

STATION	DESCRIPTION	FOOT
2+35.0	C.L. MEDIAN RT	6.0
5+16.0	C.L. MEDIAN RT	4.0
13+00.0	C.L. MEDIAN RT	4.0
13+00.0	C.L. MEDIAN LT	4.0
13+95.0	CL MEDIAN	6.0
	TOTAL =	24.0

60618300
CONCRETE MEDIAN SURFACE, 4"

STATION	TO	STATION	DESCRIPTION	SQ FT
43+70.0	TO	45+87.0	C.L. MEDIAN	651.0
			TOTAL =	651.0

60622353
CONCRETE MEDIAN TYPE SM-6

STATION	DESCRIPTION	SQ FT
25+63.0	C.L. MEDIAN	22.3
29+70.0	C.L. MEDIAN	22.3
34+71.0	C.L. MEDIAN	22.3
35+45.0	C.L. MEDIAN	22.3
38+63.0	C.L. MEDIAN	22.3
39+75.0	C.L. MEDIAN	22.3
42+92.0	C.L. MEDIAN	22.3
43+72.0	C.L. MEDIAN	22.3
45+84.0	C.L. MEDIAN	22.3
2+10.0	C.L. MEDIAN	22.3
	TOTAL =	223.0

TABULATION OF INCIDENTAL RESURFACING QUANTITIES

LOCATION	40600985 PCC SURFACE REMOVAL BUTT JOINT	40800010 BITUMINOUS MATERIALS PRIME COAT	40800030 AGGREGATE MATERIALS PRIME COAT	40800050 INCIDENTAL HMA SURFACING
	SQ YD	TON	TON	TON
SYCAMORE ST.	78.63	7.86	0.16	8.81
ASH ST.	78.50	7.85	0.16	8.79
HICKORY ST.	70.03	7.00	0.14	7.84
COTTAGE GROVE	79.51	7.95	0.16	8.91
STA. 20 + 94	119.23	11.92	0.24	13.35
STA. 46 + 29	109.33	10.93	0.22	12.25
GRAND-TOTAL =	535.2	53.5	1.1	59.9
USE =	536.0	54.0	2.0	60.0

PLOT DATE = 10/26/2006
FILE NAME = c:\projects\d505208 \d8\text.dgn
PLOT SCALE = 42.3529 ' / IN.
USER NAME = cervi1i

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	17

SCHEDULE OF QUANTITIES

STATION	DIRECTION	LANE	LENGTH (ft)	WIDTH (ft)	DEPTH (in)	PATCH AREA TYPE I 10" (sq. yd)	PATCH AREA TYPE II 10" (sq. yd)	PATCH AREA TYPE II 13" (sq. yd)
172+18.00	EB	PASS	4	6	10	2.7	0.0	0.0
172+51.00	EB	PASS	6	12	10	0.0	8.0	0.0
13+45.00	EB	PASS	6	12	10	0.0	8.0	0.0
14+38.00	EB	PASS	6	12	10	0.0	8.0	0.0
15+46.00	EB	PASS	4	12	10	0.0	5.3	0.0
15+69.00	EB	PASS	6	12	10	0.0	8.0	0.0
16+55.00	EB	PASS	4	12	10	0.0	5.3	0.0
16+62.00	EB	PASS	4	6	10	2.7	0.0	0.0
21+10.00	EB	PASS	6	12	10	0.0	8.0	0.0
44+48.00	EB	PASS	8	12	10	0.0	10.7	0.0
3+07.00	EB	PASS	4	12	10	0.0	5.3	0.0
6+30.00	EB	PASS	4	12	12.5	0.0	0.0	5.3
33+33.00	EB	PASS	8	12	12.5	0.0	0.0	10.7
35+99.00	EB	PASS	8	12	12.5	0.0	0.0	10.7
41+86.00	EB	PASS	4	16	12.5	0.0	0.0	7.1
42+08.00	EB	PASS	4	16	12.5	0.0	0.0	7.1
13+45.00	EB	DRIVE	6	12	10	0.0	8.0	0.0
15+46.00	EB	DRIVE	4	12	10	0.0	5.3	0.0
15+98.00	EB	DRIVE	6	6	10	4.0	0.0	0.0
16+55.00	EB	DRIVE	4	12	10	0.0	5.3	0.0
16+62.00	EB	DRIVE	4	6	10	2.7	0.0	0.0
16+97.00	EB	DRIVE	4	6	10	2.7	0.0	0.0
21+97.00	EB	DRIVE	4	6	10	2.7	0.0	0.0
2+72.00	EB	DRIVE	4	12	10	0.0	5.3	0.0
6+30.00	EB	DRIVE	4	12	12.5	0.0	0.0	5.3
33+33.00	EB	DRIVE	8	12	12.5	0.0	0.0	10.7
35+99.00	EB	DRIVE	6	12	12.5	0.0	0.0	8.0
41+86.00	EB	DRIVE	4	16	12.5	0.0	0.0	7.1
42+08.00	EB	DRIVE	4	16	12.5	0.0	0.0	7.1
46+08.00	EB	DRIVE	4	16	12.5	0.0	0.0	7.1
55+98.00	EB	DRIVE	5	16	12.5	0.0	0.0	8.9
16+55.00	EB	AUX	4	12	10	0.0	5.3	0.0
16+62.00	EB	AUX	4	6	10	2.7	0.0	0.0
35+09.00	EB	AUX	6	6	10	4.0	0.0	0.0
39+12.00	EB	AUX	4	12	10	0.0	5.3	0.0
STATION	DIRECTION	LANE	LENGTH (ft)	WIDTH (ft)	DEPTH (in)	PATCH AREA TYPE I 10" (sq. yd)	PATCH AREA TYPE II 10" (sq. yd)	PATCH AREA TYPE II 12.5" (sq. yd)
		TOTALS =				24.0 (sq. yd)	101.3 (sq. yd)	95.1 (sq. yd)

STATION	DIRECTION	LANE	LENGTH (ft)	WIDTH (ft)	DEPTH (in)	PATCH AREA TYPE I 10" (sq. yd)	PATCH AREA TYPE II 10" (sq. yd)	PATCH AREA TYPE II 13" (sq. yd)
13+32.00	WB	PASS	8	12	12.5	0.0	0.0	10.7
5+22.00	WB	PASS	4	12	10	0.0	5.3	0.0
39+12.00	WB	PASS	4	12	10	0.0	5.3	0.0
25+03.00	WB	PASS	4	12	10	0.0	5.3	0.0
19+16.00	WB	PASS	4	12	10	0.0	5.3	0.0
16+51.00	WB	PASS	8	12	10	0.0	10.7	0.0
173+10.00	WB	PASS	6	12	10	0.0	8.0	0.0
55+42.00	WB	DRIVE	4	16	12.5	0.0	0.0	7.1
54+86.00	WB	DRIVE	4	16	12.5	0.0	0.0	7.1
54+39.00	WB	DRIVE	4	16	12.5	0.0	0.0	7.1
53+69.00	WB	DRIVE	4	16	12.5	0.0	0.0	7.1
13+32.00	WB	DRIVE	8	12	12.5	0.0	0.0	10.7
5+22.00	WB	DRIVE	4	12	10	0.0	5.3	0.0
27+58.00	WB	DRIVE	4	12	10	0.0	5.3	0.0
25+03.00	WB	DRIVE	4	12	10	0.0	5.3	0.0
19+16.00	WB	DRIVE	4	12	10	0.0	5.3	0.0
STATION	DIRECTION	LANE	LENGTH (ft)	WIDTH (ft)	DEPTH (in)	PATCH AREA TYPE I 10" (sq. yd)	PATCH AREA TYPE II 10" (sq. yd)	PATCH AREA TYPE II 13" (sq. yd)
		TOTALS				0.0 (sq. yd)	61.3 (sq. yd)	49.8 (sq. yd)

STATION	DIRECTION	LANE	LENGTH (ft)	WIDTH (ft)	DEPTH (in)	PATCH AREA TYPE I 10" (sq. yd)	PATCH AREA TYPE II 10" (sq. yd)	PATCH AREA TYPE II 13" (sq. yd)
				FINAL TOTALS =		24.0 (sq. yd)	162.7 (sq. yd)	144.9 (sq. yd)
					USE =	24.0 (sq. yd)	163.0 (sq. yd)	145.0 (sq. yd)

PLOT DATE = 10/24/2006
FILE NAME = c:\projects\d505200\cb\text.dgn
PLOT SCALE = 42.250' / IN.
USER NAME = carroll.t

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	18

SCHEDULE OF QUANTITIES

STATION	DIRECTION	LANE	LENGTH (FT)	WIDTH (FT)	EXISTING OVERLAY THICKNESS (4 3/4" or less) (INCH)	PARTIAL DEPTH REMOVAL X4401705 (SQ YD)	PARTIAL DEPTH PATCHING X4421000 (TON)
6+81.00	EB	PASS	4	12	2.5	5.3	1.6
7+06.00	EB	PASS	6	12	2.5	8.0	2.5
9+09.00	EB	PASS	6	12	2.5	8.0	2.5
10+08.00	EB	PASS	6	12	2.5	8.0	2.5
10+26.00	EB	PASS	4	12	2.5	5.3	1.6
16+60.00	EB	PASS	4	12	2.5	5.3	1.6
17+74.00	EB	PASS	4	12	2.5	5.3	1.6
18+28.00	EB	PASS	4	12	2.5	5.3	1.6
20+14.00	EB	PASS	4	12	2.5	5.3	1.6
21+31.00	EB	PASS	4	12	2.5	5.3	1.6
22+35.00	EB	PASS	4	12	2.5	5.3	1.6
24+34.00	EB	PASS	4	12	2.5	5.3	1.6
26+24.00	EB	PASS	4	12	2.5	5.3	1.6
28+40.00	EB	PASS	4	12	2.5	5.3	1.6
30+72.00	EB	PASS	4	12	2.5	5.3	1.6
31+07.00	EB	PASS	4	12	2.5	5.3	1.6
38+07.00	EB	PASS	4	12	2.5	5.3	1.6
6+81.00	EB	DRIVE	4	12	2.5	5.3	1.6
7+06.00	EB	DRIVE	6	12	2.5	8.0	2.5
9+09.00	EB	DRIVE	6	12	2.5	8.0	2.5
10+08.00	EB	DRIVE	6	12	2.5	8.0	2.5
16+60.00	EB	DRIVE	4	12	2.5	5.3	1.6
17+74.00	EB	DRIVE	4	12	2.5	5.3	1.6
18+28.00	EB	DRIVE	4	12	2.5	5.3	1.6
20+14.00	EB	DRIVE	4	12	2.5	5.3	1.6
24+34.00	EB	DRIVE	4	12	2.5	5.3	1.6
26+24.00	EB	DRIVE	4	12	2.5	5.3	1.6
30+72.00	EB	DRIVE	4	12	2.5	5.3	1.6
31+07.00	EB	DRIVE	4	12	2.5	5.3	1.6
38+07.00	EB	DRIVE	4	12	2.5	5.3	1.6
41+63.00	EB	DRIVE	4	16	2.5	7.1	2.2
43+83.00	EB	DRIVE	4	16	2.5	7.1	2.2
44+08.00	EB	DRIVE	6	16	2.5	10.7	3.3
45+08.00	EB	DRIVE	4	16	2.5	7.1	2.2
45+26.00	EB	DRIVE	4	16	2.5	7.1	2.2
56+92.00	EB	DRIVE	4	16	2.5	7.1	2.2
					TOTALS =	222.2 (SQ YD)	68.4 (TON)

STATION	DIRECTION	LANE	LENGTH (FT)	WIDTH (FT)	EXISTING OVERLAY THICKNESS (4 3/4" or less) (INCH)	PARTIAL DEPTH REMOVAL X4401705 (SQ YD)	PARTIAL DEPTH PATCHING X4421000 (TON)
36+75.00	WB	PASS	4	12	2.5	5.3	1.6
35+56.00	WB	PASS	4	12	2.5	5.3	1.6
31+77.00	WB	PASS	4	12	2.5	5.3	1.6
31+52.00	WB	PASS	4	12	2.5	5.3	1.6
29+51.00	WB	PASS	4	12	2.5	5.3	1.6
20+76.00	WB	PASS	4	12	2.5	5.3	1.6
11+37.00	WB	PASS	4	12	2.5	5.3	1.6
10+28.00	WB	PASS	4	12	2.5	5.3	1.6
8+29.00	WB	PASS	4	12	2.5	5.3	1.6
7+27.00	WB	PASS	4	12	2.5	5.3	1.6
45+65.00	WB	DRIVE	4	16	2.5	7.1	2.2
44+66.00	WB	DRIVE	4	16	2.5	7.1	2.2
41+54.00	WB	DRIVE	4	16	2.5	7.1	2.2
40+98.00	WB	DRIVE	4	16	2.5	7.1	2.2
36+75.00	WB	DRIVE	4	12	2.5	5.3	1.6
35+56.00	WB	DRIVE	4	12	2.5	5.3	1.6
33+53.00	WB	DRIVE	4	12	2.5	5.3	1.6
20+76.00	WB	DRIVE	4	12	2.5	5.3	1.6
11+37.00	WB	DRIVE	4	12	2.5	5.3	1.6
10+28.00	WB	DRIVE	4	12	2.5	5.3	1.6
8+29.00	WB	DRIVE	4	12	2.5	5.3	1.6
						119.1	36.7

TOTALS =	119.1 (SQ YD)	36.7 (TON)
FINAL TOTALS =	341.3 (SQ YD)	105.1 (TON)
USE =	342.0 (SQ YD)	105.0 (TON)

PLOT DATE = 10/24/2006
FILE NAME = c:\projects\d505200 (v8)\text.dgn
PLOT SCALE = 40.2500 ' / IN.
USER NAME = carroll.s

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	19

SCHEDULE OF QUANTITIES

78000100

THERMOPLASTIC PAVEMENT MARKINGS - LETTERS & SYMBOLS

LEFT TURN ARROWS

STA.	SQ. FT.
30+07.6	15.6
30+87.6	15.6
31+67.6	15.6
33+00.0	15.6
33+77.5	15.6
34+55.0	15.6
35+60.0	15.6
36+40.0	15.6
37+66.0	15.6
38+46.0	15.6
39+53.0	15.6
40+01.0	15.6
40+49.0	15.6
41+88.0	15.6
42+68.0	15.6
43+91.0	15.6
44+28.0	15.6
45+34.0	15.6
45+69.0	15.6
2+26.0	15.6
3+01.0	15.6
3+76.0	15.6
12+25.0	15.6
12+92.0	15.6
13+59.0	15.6
14+26.0	15.6
15+87.0	15.6
16+67.0	15.6
17+47.0	15.6

RIGHT TURN ARROWS

STA.	SQ. FT.
12+25.0	15.6
12+96.5	15.6
13+68.0	15.6
14+39.0	15.6
16+67.0	15.6
17+47.0	15.6
18+27.0	15.6
TOTAL =	**561.6**
USE =	**562.0**

78000200

THERMOPLASTIC PAVEMENT MARKING - 4" YELLOW (DOUBLE)

STA.	TO	STA.	O/S	&	O/S	SIDES	FOOT
169+60.0	TO	173+68.0	2.0' RT	&	2.0' LT	2	1632.0
174+64.0	TO	175+08.3	2.0' RT	&	2.0' LT	2	177.2
STATION EQUATION						2	
12+84.2	TO	16+14.0	2.0' RT	&	2.0' LT	2	1319.1
17+10.0	TO	20+49.0	2.0' RT	&	2.0' LT	2	1356.0
21+45.0	TO	24+69.0	2.0' RT	&	2.0' LT	2	1296.0
						SUB-TOTAL =	**5780.2**

THERMOPLASTIC PAVEMENT MARKING - 4" YELLOW (SINGLE)

STA.	TO	STA.	O/S	SIDES	FOOT
25+66.0	TO	29+41.0	MEDIAN	2	750.0
29+89.6	TO	34+73.0	MEDIAN	2	966.8
35+42.0	TO	38+64.0	MEDIAN	2	644.0
39+35.0	TO	42+86.0	MEDIAN	2	702.0
43+73.0	TO	45+87.0	MEDIAN	2	428.0
2+08.0	TO	14+58.0	MEDIAN	2	2500.0
15+69.0	TO	16+08.0	MEDIAN	2	78.0
16+08.0	TO	48+78.3	MEDIAN	2	6540.6
51+33.0	TO	52+70.0 RAMP C	MEDIAN	1	137.0
51+33.0	TO	52+70.0 RAMP D	MEDIAN	1	137.0
52+70.0 RAMP C	TO	57+00.0 RAMP C	MEDIAN	1	430.0
52+70.0 RAMP D	TO	58+98.6 RAMP D	MEDIAN	1	628.6
				SUB-TOTAL =	**13942.0**

THERMOPLASTIC PAVEMENT MARKING - 4" WHITE (SKIP-DASH)

STA.	TO	STA.	O/S	&	O/S	SIDES	FOOT
169+60.0	TO	173+66.0	14.0' RT	&	14.0' LT	2	200.0
174+66.0	TO	175+08.3	14.0' RT	&	14.0' LT	2	40.0
STATION EQUATION						2	
12+84.2	TO	16+12.0	14.0' RT	&	14.0' LT	2	160.0
17+12.0	TO	20+47.0	14.0' RT	&	14.0' LT	2	180.0
21+47.0	TO	24+67.0	14.0' RT	&	14.0' LT	2	180.0
25+66.0	TO	29+41.0	14.0' RT TO 21.0' RT	&	14.0' LT TO 21.0' LT	2	200.0
29+89.6	TO	34+73.0	21.0' RT	&	21.0' LT	2	260.0
35+42.0	TO	38+64.0	21.0' RT	&	21.0' LT	2	180.0
39+35.0	TO	42+86.0	21.0' RT	&	21.0' LT	2	200.0
43+73.0	TO	45+87.0	21.0' RT	&	21.0' LT	2	120.0
2+08.0	TO	14+58.0	21.0' RT	&	21.0' LT	2	640.0
15+69.0	TO	16+08.0	20.0' RT	&	20.0' LT	2	20.0
16+08.0	TO	36+00.0	20.0' RT	&	20.0' LT	2	1020.0
36+00.0	TO	38+30.0			14.0' LT TO 21.0' LT	1	60.0
						SUB-TOTAL =	**3460.0**

THERMOPLASTIC PAVEMENT MARKING - 4" WHITE (SINGLE)

STA.	TO	STA.	O/S	&	O/S	SIDES	FOOT
6+00.0	TO	13+09.0	OUTSIDE RT	&	OUTSIDE LT	2	1418.0
13+09.0	TO	14+26.0	OUTSIDE RT			1	117.0
12+25.0	TO	14+58.0	8.0' RT	&	32.0' RT	2	466.0
15+69.0	TO	16+08.0	8.0' LT	&	32.0' LT	2	78.0
16+08.0	TO	17+47.0	8.0' LT	&	32.0' LT	2	278.0
17+47.0	TO	18+27.0			32.0' LT	1	80.0
16+08.0	TO	36+00.0	OUTSIDE RT	&	OUTSIDE LT	2	3984.0
36+00.0	TO	42+00.0 RAMP B	OUTSIDE RT			1	600.0
36+00.0	TO	39+60.0 RAMP A	OUTSIDE RT			1	360.0
103+00.0 RAMP A	TO	104+59.0 RAMP A	OUTSIDE RT			1	159.0
41+66.7	TO	42+09.3			OUTSIDE LT	1	42.6
42+09.3	TO	48+78.3	OUTSIDE RT	&	OUTSIDE LT	2	1338.0
51+33.0	TO	52+70.0 RAMP C	OUTSIDE RT			1	137.0
51+33.0	TO	52+70.0 RAMP D			OUTSIDE LT	1	137.0
52+70.0 RAMP C	TO	57+00.0 RAMP C	OUTSIDE RT	&		1	430.0
52+70.0 RAMP D	TO	58+98.62 RAMP D			OUTSIDE LT	1	628.6
					SUB-TOTAL =		**10253.2**
					GRAND TOTAL =		**33435.5**
						USE	**33435.0**

78000400

THERMOPLASTIC PAVEMENT MARKING - 6" WHITE (ISLAND)

STA.	TO	STA.	FOOT
15+41.0	TO	15+89.0	**96.0**
		GRAND TOTAL =	**96.0**
		USE =	**96.0**

78000500

THERMOPLASTIC PAVEMENT MARKING - 8" WHITE (GORE AREA)

STA.	TO	STA.	FOOT
36+00.0	TO	42+09.3	1218.6
38+30.0	TO	41+66.7	673.4
		GRAND TOTAL =	**1892.0**
		USE =	**1892.0**

78000600

THERMOPLASTIC PAVEMENT MARKING - 12" YELLOW (MEDIAN)

STA.	TO	STA.	FOOT
169+60.0	TO	173+68.0	98.7
174+64.0	TO	175+08.3	14.1
STATION EQUATION			
12+84.2	TO	16+14.0	80.0
17+10.0	TO	20+49.0	89.3
21+45.0	TO	24+69.0	65.8
		SUB-TOTAL =	**347.9**

THERMOPLASTIC PAVEMENT MARKING - 12" WHITE (ISLAND)

STA.	TO	STA.	FOOT
15+41.0	TO	15+89.0	64.0
		SUB-TOTAL =	**64.0**
		GRAND TOTAL =	**411.9**
		USE =	**412.0**

78000650

THERMOPLASTIC PAVEMENT MARKING - 24" WHITE (STOP-BAR)

STA.	FOOT
14+44.0	12.0
14+58.0	45.0
15+69.0	58.0
GRAND TOTAL =	**115.0**
USE =	**115.0**

88600100

DETECTOR LOOP

TYPE 1

LOCATION	DESCRIPTION	FOOT
US 150 & GUARDIAN DR.	EAST BOUND	486.0
US 150 & GUARDIAN DR.	WESTBOUND	454.0
	TOTAL =	940.0

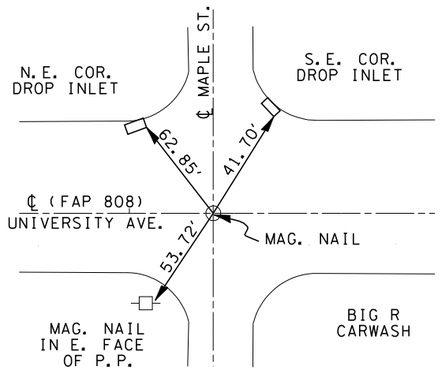
PLOT DATE = 10/24/2006
FILE NAME = c:\projects\d595200 \d81\text.dgn
PLOT SCALE = 42.3529 ' / IN.
USER NAME = cerrulit

CONTRACT NO. 70122

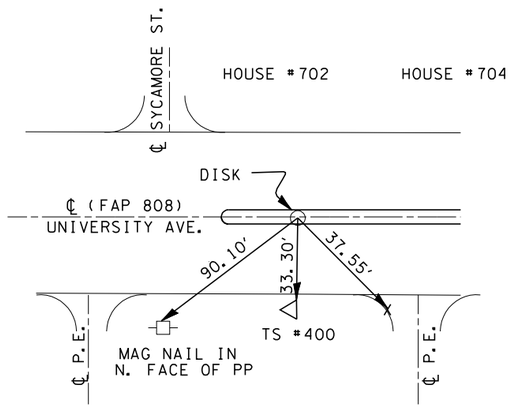
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	20
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TIE POINT LAYOUT

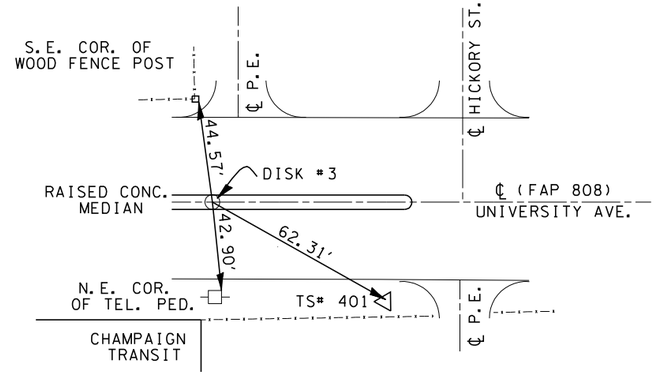
P.O.T. #1 STA. 169+08.29



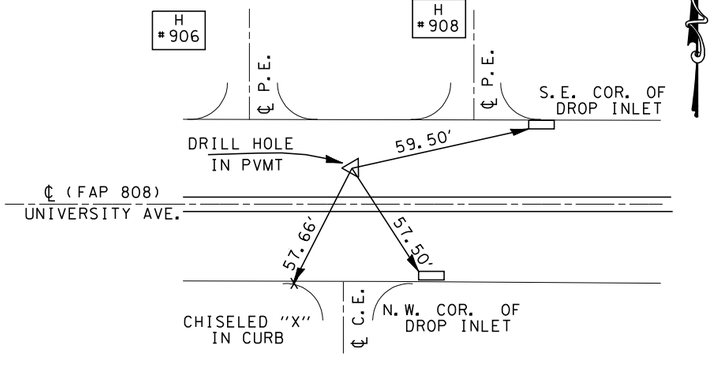
STA. EQ. #2
12+84.23 AH = 175+08.29 BK



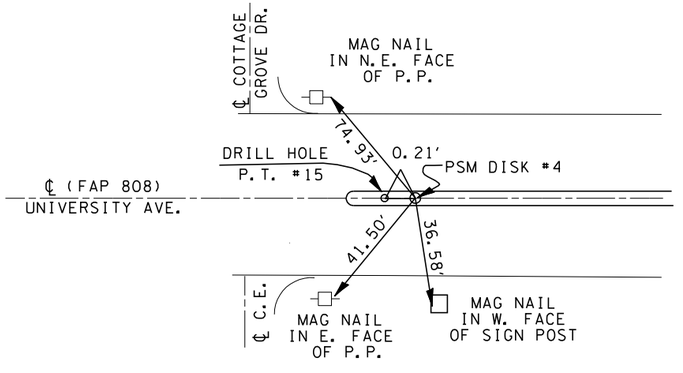
PC #3 STA. 20+00.04



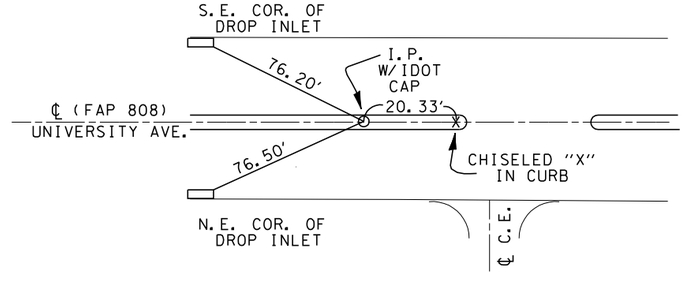
P.I. #14 23+00.04 LT 15.79'



PSM#4 & P.T. #15 STA. 26+00.04



P.C. #5 STA. 29+20.37



PLOT DATE = 10/24/2006
FILE NAME = e:\projects\cd605208 (d)\tex1.dgn
PLOT SCALE = 42.3529 ' / IN.
USER NAME = cerrait

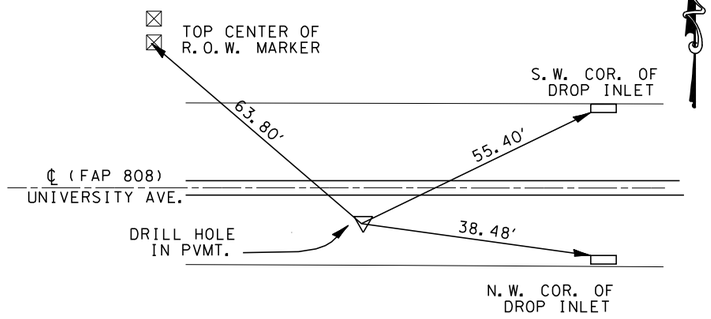
CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	21
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

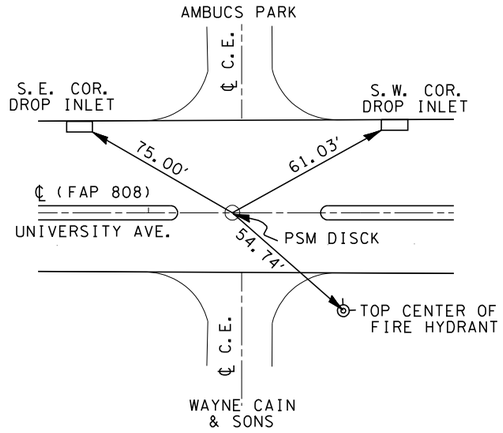
• (RX,48Z-1)RS-1 & (47R-1)RS

TIE POINT LAYOUT

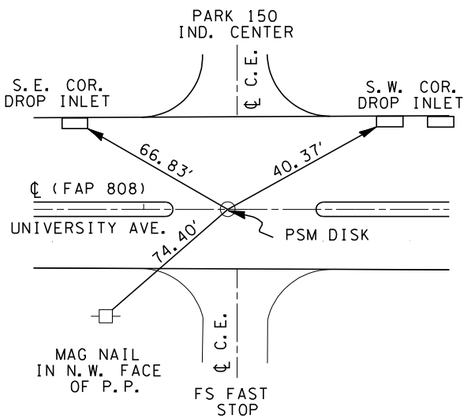
P.I. #16 STA. 32+17.98 RT. 11.61'



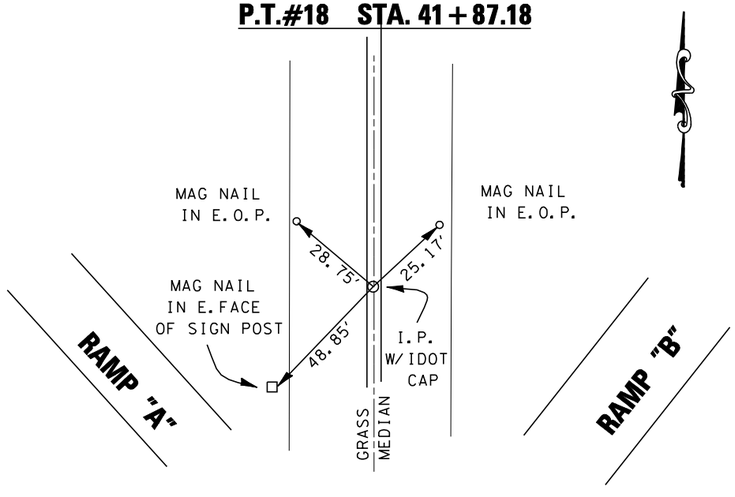
P.T. #6 STA. 35+15.59



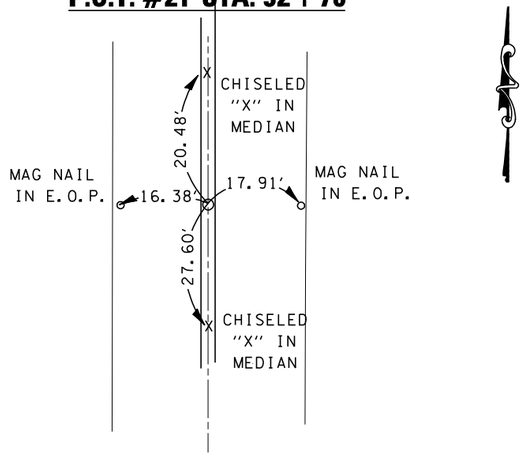
P.C. #7 STA. EQ.
STA. 1+80.75 AH = STA. 46+35.07 BK



P.T.#18 STA. 41+87.18



P.O.T. #21 STA. 52+70

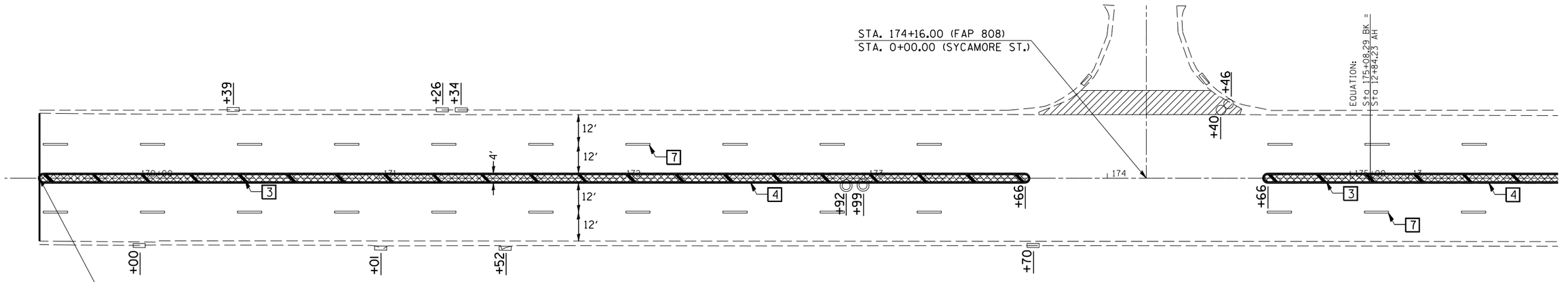


PLOT DATE = 10/24/2006
FILE NAME = c:\projects\cd505208 (d8)\text.dgn
PLOT SCALE = 42.250 ' / IN.
USER NAME = cerwin

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3X,3R)RS	CHAMPAIGN	47	22
STA. 169+60		TO STA. 13+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

T 19 N, R 9 E, SEC. 9, 3RD P.M.



MEDIAN SURFACE REMOVAL
PARTIAL DEPTH

PCC SURFACE REMOVAL
BUTT JOINT

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & DETECTOR LOOP PLANS

SCALE: VERT.
HORIZ.
DATE

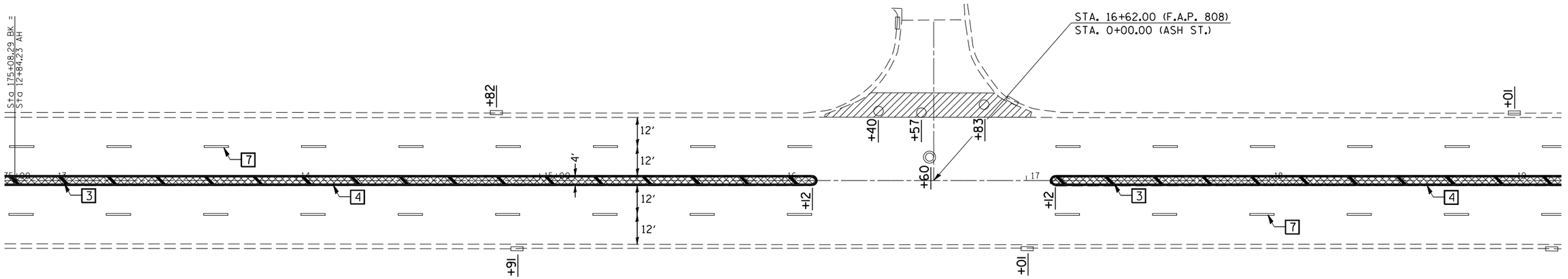
DRAWN BY
CHECKED BY

PLOT DATE = 10/24/2006
FILE NAME = c:\projects\d505200 (d8\70122plansheets.dgn
PLOT SCALE = 42.3530 ' / IN.
USER NAME = cerrulli

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3X,3R)RS	CHAMPAIGN	47	23
STA. 13+00		TO STA. 19+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

T 19 N, R 9 E, SEC. 9, 3RD P.M.



MEDIAN SURFACE REMOVAL
PARTIAL DEPTH

PCC SURFACE REMOVAL
BUTT JOINT

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & DETECTOR LOOP PLANS

SCALE: VERT.
HORIZ.

DATE

DRAWN BY

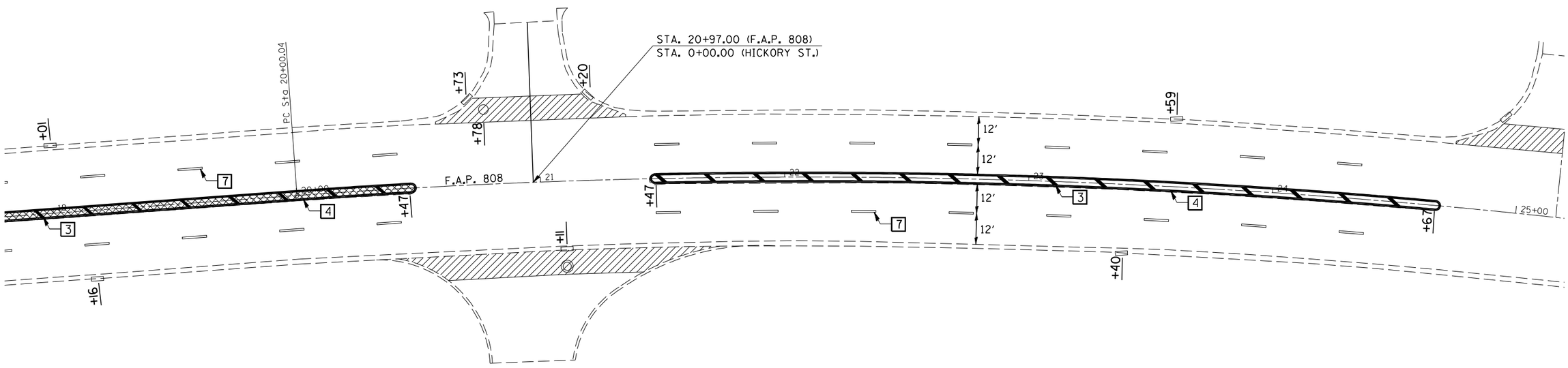
CHECKED BY

PLOT DATE = 10/24/2006
FILE NAME = c:\projects\d595200 \d81\70122plansheets.dgn
PLOT SCALE = 42.3529 ' / IN.
USER NAME = cerrulli

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3X,3R)RS	CHAMPAIGN	47	24
STA. 19+00		TO STA. 25+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

T 19 N, R 9 E, SEC. 9, 3RD P.M.



MEDIAN SURFACE REMOVAL
PARTIAL DEPTH

PCC SURFACE REMOVAL
BUTT JOINT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & DETECTOR LOOP PLANS

SCALE: VERT.
HORIZ.

DATE

DRAWN BY

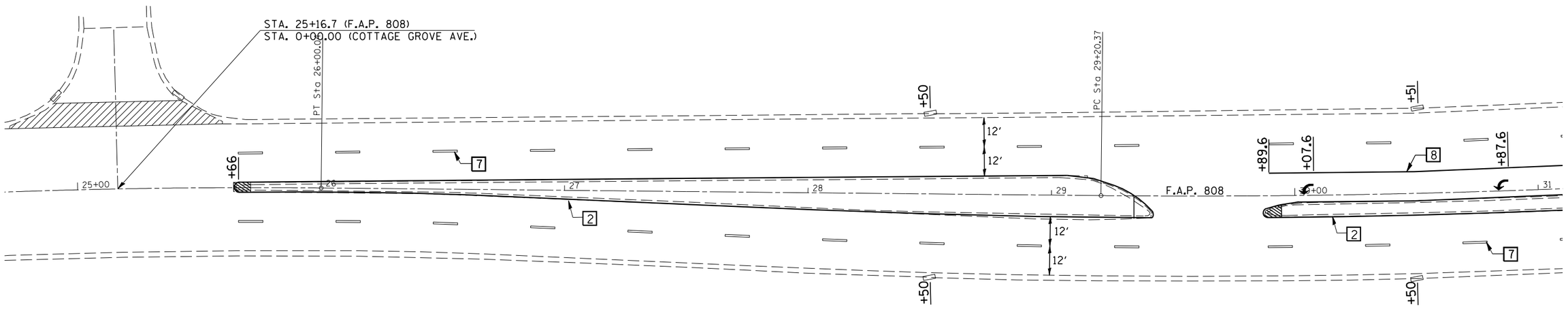
CHECKED BY

PLOT DATE = 10/24/2006
FILE NAME = c:\projects\d505200 (v8)\70122plansheets.dgn
PLOT SCALE = 42.250' / IN.
USER NAME = cwcalit

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3X,3R)RS	CHAMPAIGN	47	25
STA. 25+00		TO STA. 31+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

T 19 N, R 9 E, SEC. 9, 3RD P.M.



MEDIAN NOSES TO BE RAMPED WITH CONCRETE MEDIAN TYPE SM-6

MEDIAN SURFACE REMOVAL PARTIAL DEPTH

PCC SURFACE REMOVAL BUTT JOINT

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & DETECTOR LOOP PLANS

SCALE: VERT. HORIZ.

DATE

DRAWN BY

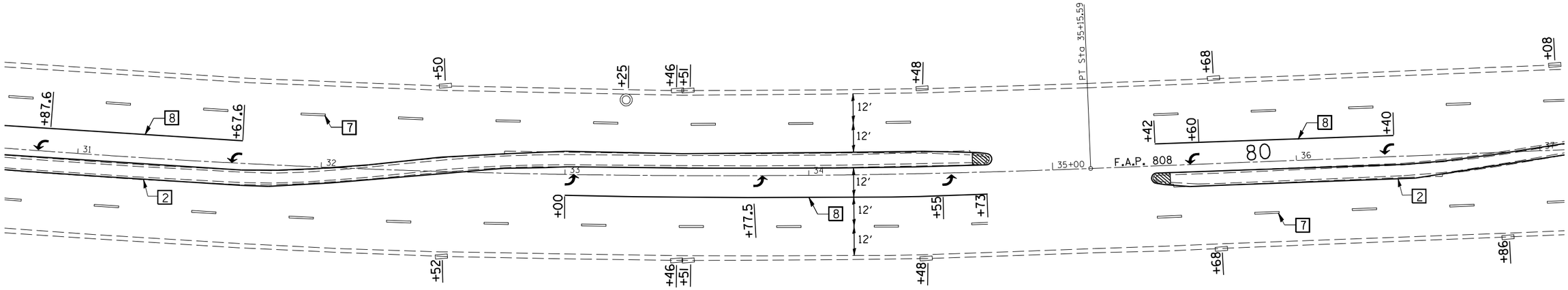
CHECKED BY

PLOT DATE = 10/24/2006
FILE NAME = c:\proj_accts\d505200 \obi\70122plansheets.dgn
PLOT SCALE = 40.2500 ' / IN.
USER NAME = cornell-t

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3X,3R)RS	CHAMPAIGN	47	26
STA. 31+00		TO STA. 37+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

T 19 N, R 9 E, SEC. 9, 3RD P.M.



MEDIAN NOSES TO BE RAMPED WITH CONCRETE MEDIAN TYPE SM-6

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & DETECTOR LOOP PLANS

SCALE: VERT. HORIZ.

DATE

DRAWN BY

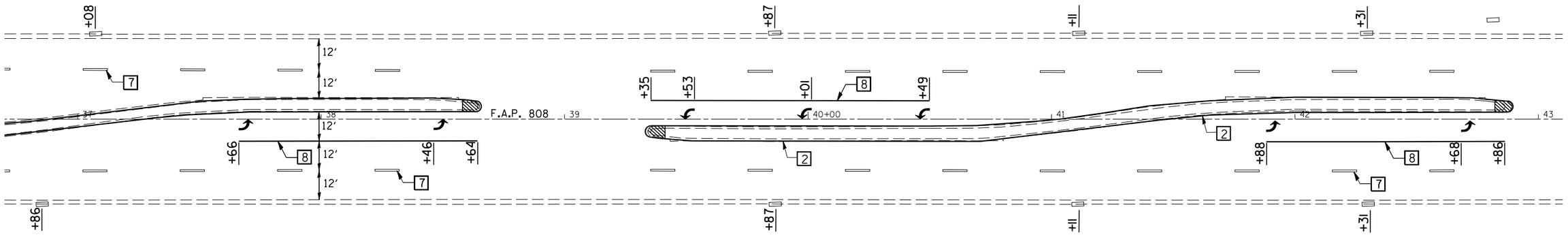
CHECKED BY

PLOT DATE = 10/24/2006
FILE NAME = c:\projects\d505200 (v8)\70122plansheets.dgn
PLOT SCALE = 42.352' / IN.
USER NAME = ecovalt

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3X,3R)RS	CHAMPAIGN	47	27
STA. 37+00		TO STA. 43+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

T 19 N, R 9 E, SEC. 9, 3RD P.M.



MEDIAN NOSES TO BE RAMPED WITH CONCRETE MEDIAN TYPE SM-6

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & DETECTOR LOOP PLANS

SCALE: VERT.
HORIZ.
DATE

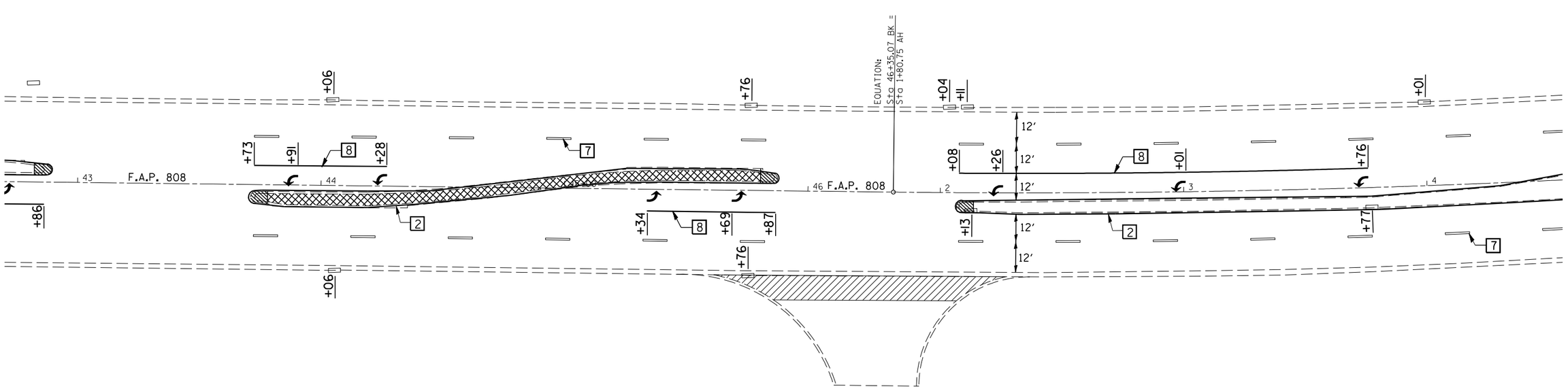
DRAWN BY
CHECKED BY

PLOT DATE = 10/24/2006
FILE NAME = c:\projects\d505200 \d8\70122plansheets.dgn
PLOT SCALE = 42.3529 ' / IN.
USER NAME = cerrulli

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3X,3R)RS	CHAMPAIGN	47	28
STA. 43+00		TO STA. 4+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

T 19 N, R 9 E, SEC. 9, 3RD P.M.



CONCRETE MEDIAN SURFACE, 4''

MEDIAN NOSES TO BE RAMPED WITH CONCRETE MEDIAN TYPE SM-6

PCC SURFACE REMOVAL BUTT JOINT

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & DETECTOR LOOP PLANS

SCALE: VERT.
HORIZ.

DATE

DRAWN BY

CHECKED BY

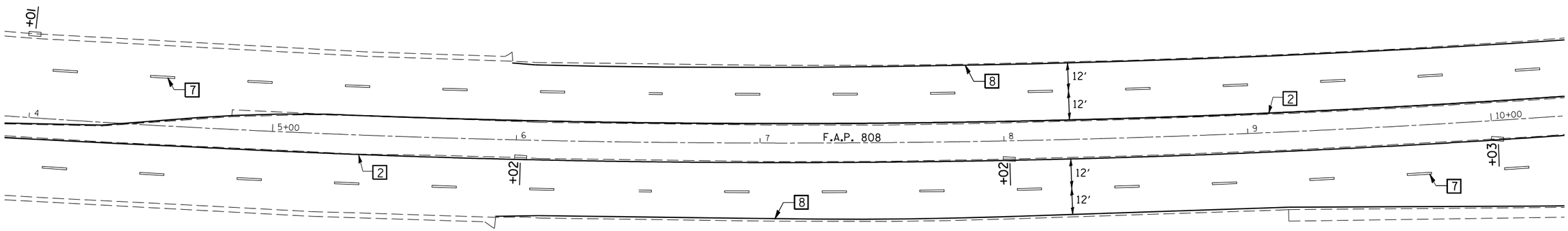
PLOT DATE = 10/24/2006
FILE NAME = c:\projects\d505200 (v8)\70122plansheets.dgn
PLOT SCALE = 42.250' / IN.
USER NAME = cornell

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3X,3R)RS	CHAMPAIGN	47	29
STA. 4+00		TO STA. 10+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

T 19 N, R 9 E, SEC. 9, 3RD P.M.

N



PLOT DATE = 10/24/2006
FILE NAME = c:\projects\d505200 (v8)\70122plansheets.dgn
PLOT SCALE = 42.250' / IN.
USER NAME = cercolit

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & DETECTOR LOOP PLANS

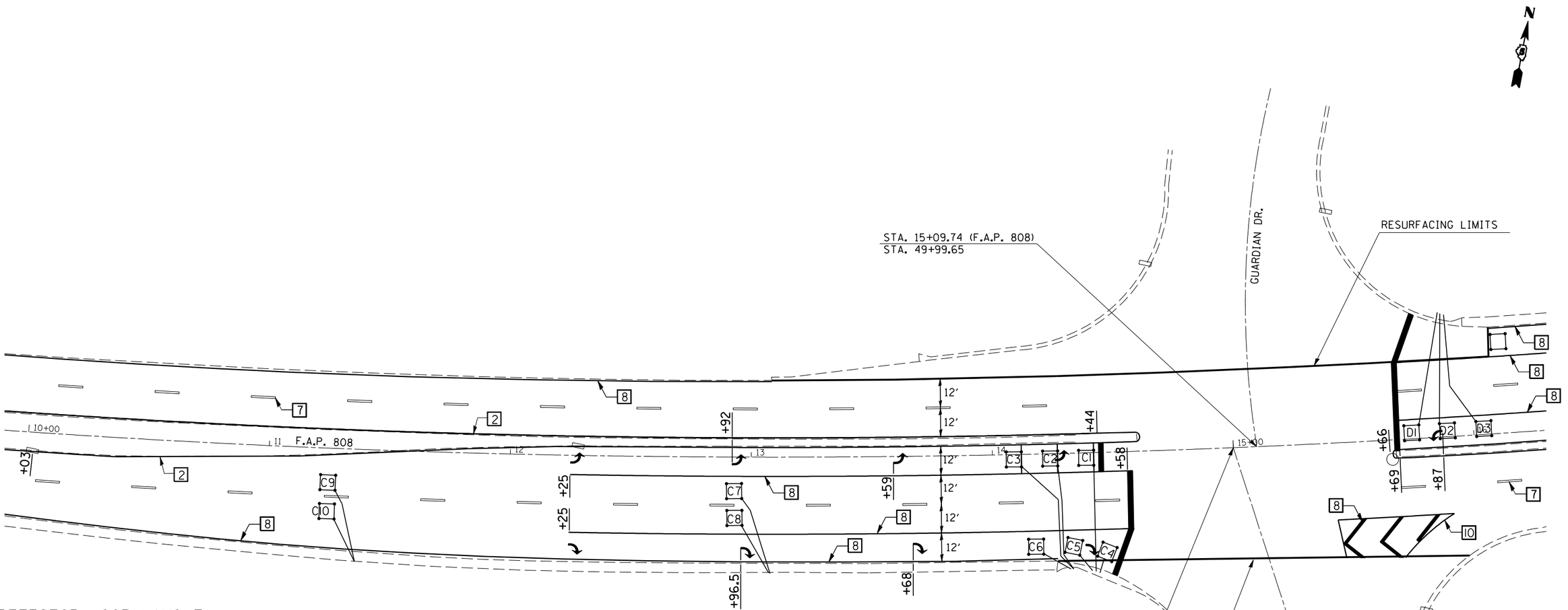
SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

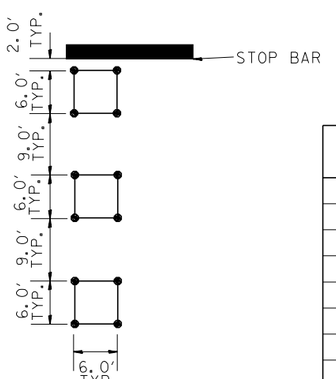
CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3X,3R)RS	CHAMPAIGN	47	30
STA. 10+00		TO STA. 16+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

T 19 N, R 9 E, SEC. 9, 3RD P.M.



DETECTOR LOOP LAYOUT



DETECTOR LOOP DATA US 150 & GUARDIAN DRIVE		
Loop	**Size**	**Turns**
C1-3	6' x 6'	3
C4-6	6' x 6'	3
C7-8	6' x 6'	4
C9-10	6' x 6'	5
D1-3	6' x 6'	5
D4	6' x 6'	5
D5-6	6' x 6'	6
D7-8	6' x 6'	7

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & DETECTOR LOOP PLANS

SCALE: VERT.
HORIZ.
DATE

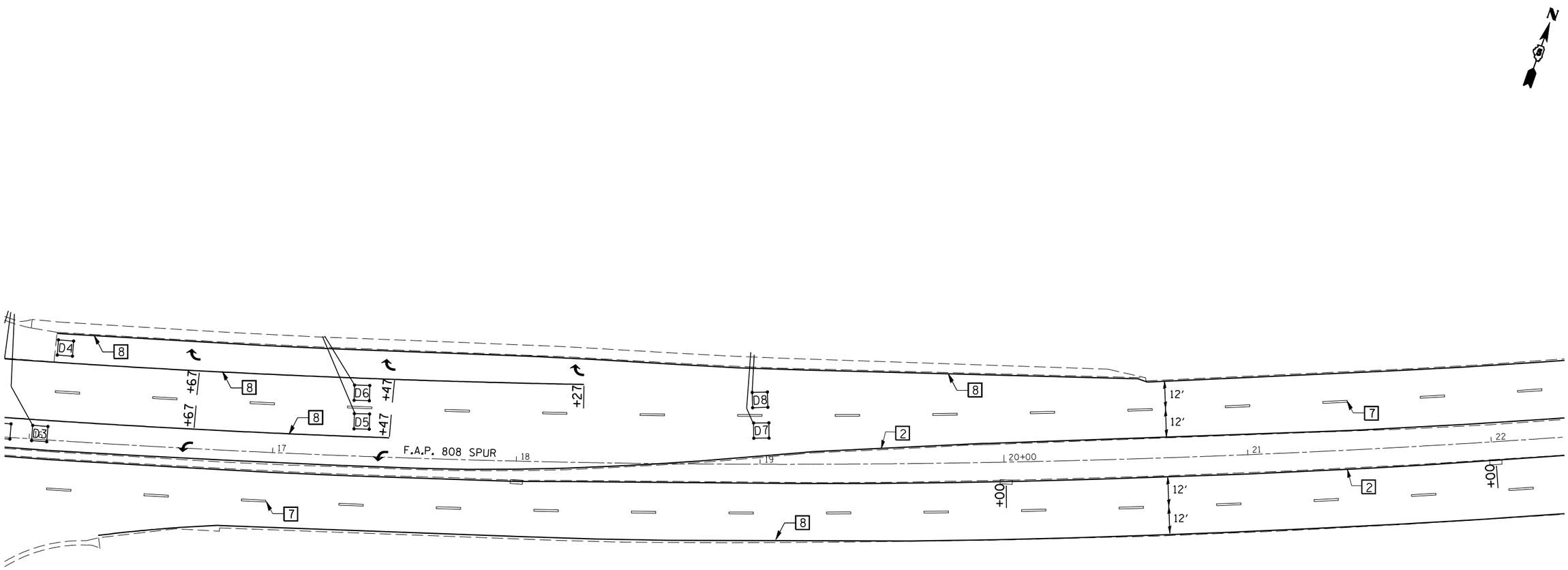
DRAWN BY
CHECKED BY

PLOT DATE = 10/24/2006
FILE NAME = c:\projects\d505200 (v8)\70122plansheets.dgn
PLOT SCALE = 42.252' / IN.
USER NAME = cornett

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3X,3R)RS	CHAMPAIGN	47	31
STA. 16+00		TO STA. 22+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

T 19 N, R 9 E, SEC. 9, 3RD P.M.



DETECTOR LOOP DATA US 150 & GUARDIAN DRIVE		
Loop	Size	Turns
C1-3	6' x 6'	3
C4-6	6' x 6'	3
C7-8	6' x 6'	4
C9-10	6' x 6'	5
D1-3	6' x 6'	5
D4	6' x 6'	5
D5-6	6' x 6'	6
D7-8	6' x 6'	7

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & DETECTOR LOOP PLANS

SCALE: VERT. HORIZ.

DATE

DRAWN BY

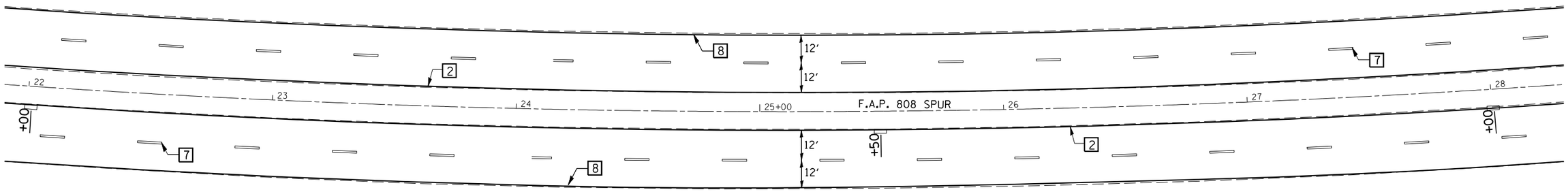
CHECKED BY

PLOT DATE = 10/24/2006
FILE NAME = c:\proj_mcts\d505200 (v8)\70122plansheetsdgn
PLOT SCALE = 42.3567 ' / IN.
USER NAME = carroll.t

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3X,3R)RS	CHAMPAIGN	47	32
STA. 22+00		TO STA. 28+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

T 19 N, R 9 E, SEC. 9, 3RD P.M.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & DETECTOR LOOP PLANS

SCALE: VERT.
HORIZ.

DATE

DRAWN BY

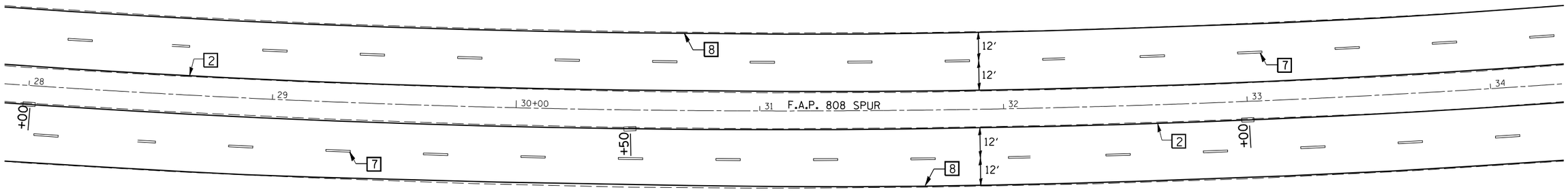
CHECKED BY

PLOT DATE = 10/24/2006
FILE NAME = c:\projects\d565200 (c8)\70122plansheets.dgn
PLOT SCALE = 42.2500 ' / IN.
USER NAME = carroll.s

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3X,3R)RS	CHAMPAIGN	47	33
STA. 28+00		TO STA. 34+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

T 19 N, R 9 E, SEC. 10, 3RD P.M.



PLOT DATE = 10/24/2006
FILE NAME = c:\pcp_gecs\d505200 (v8)\70122plansheets.dgn
PLOT SCALE = 42.3567 ' / IN.
USER NAME = carroll.s

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & DETECTOR LOOP PLANS

SCALE: VERT.
HORIZ.

DRAWN BY

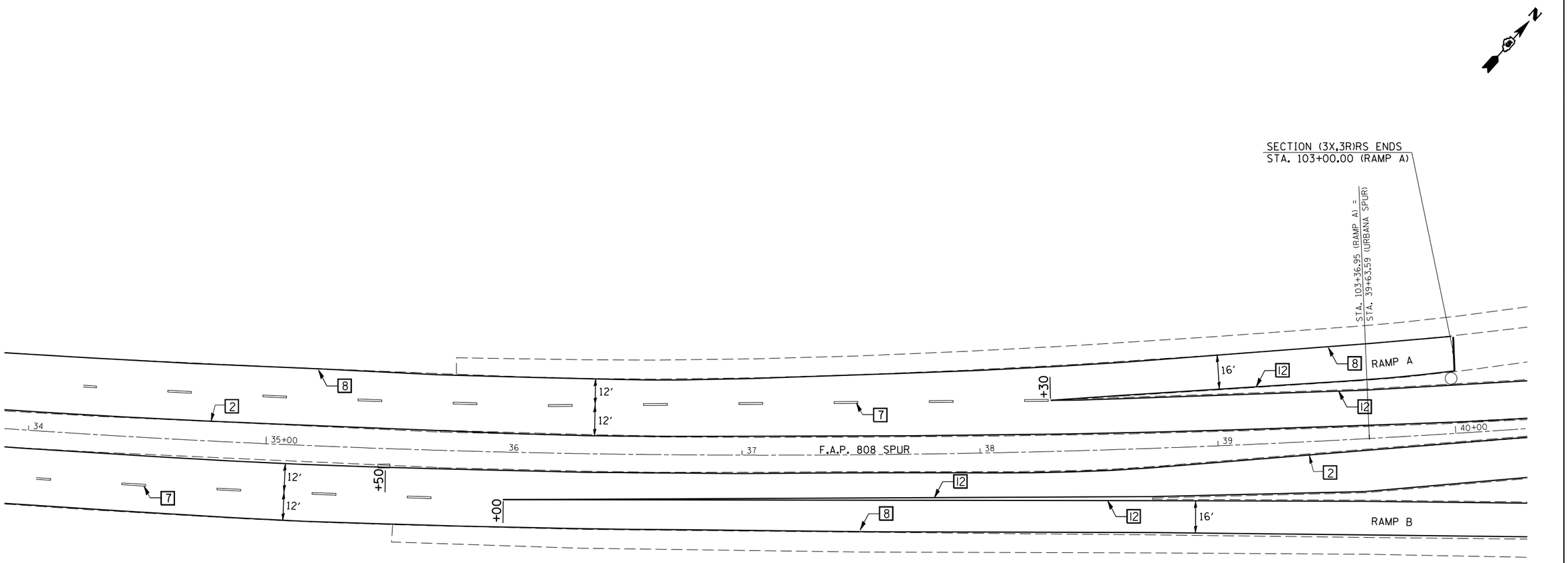
DATE

CHECKED BY

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3X,3R)RS	CHAMPAIGN	47	34
STA. 34+00	TO STA. 40+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

T 19 N, R 9 E, SEC. 10, 3RD P.M.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & DETECTOR LOOP PLANS

SCALE: VERT.
HORIZ.
DATE

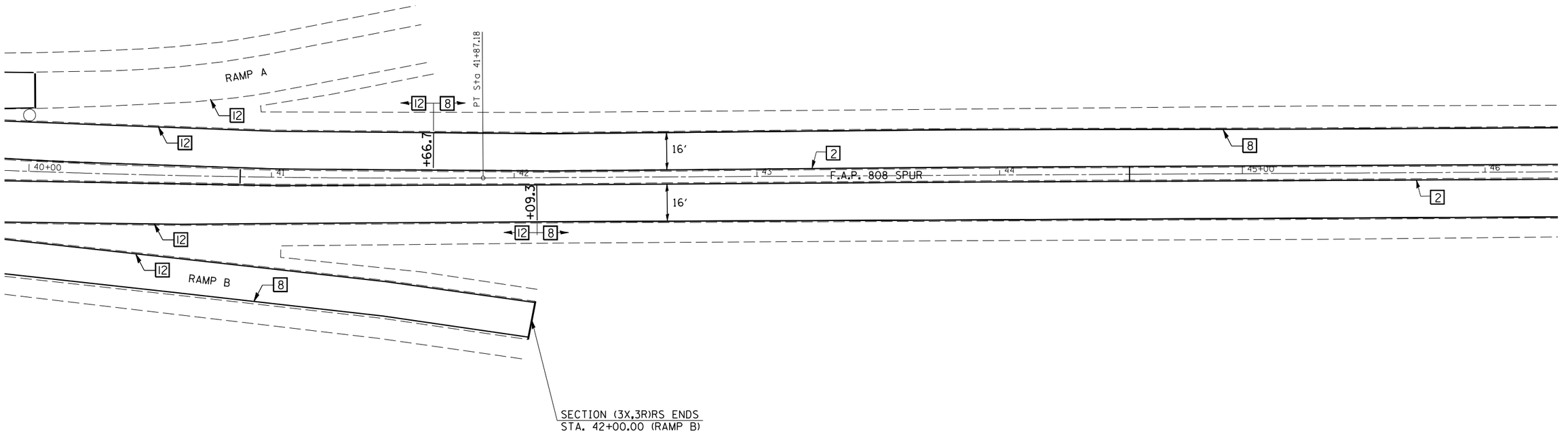
DRAWN BY
CHECKED BY

PLOT DATE = 10/24/2006
FILE NAME = c:\projects\d505200 (v8)\70122plansheets.dgn
PLOT SCALE = 42.250' / IN.
USER NAME = conroll.t

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3X,3R)RS	CHAMPAIGN	47	35
STA. 40+00		TO STA. 46+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

T 19 N, R 9 E, SEC. 10, 3RD P.M.



REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & DETECTOR LOOP PLANS

SCALE: VERT.
HORIZ.
DATE

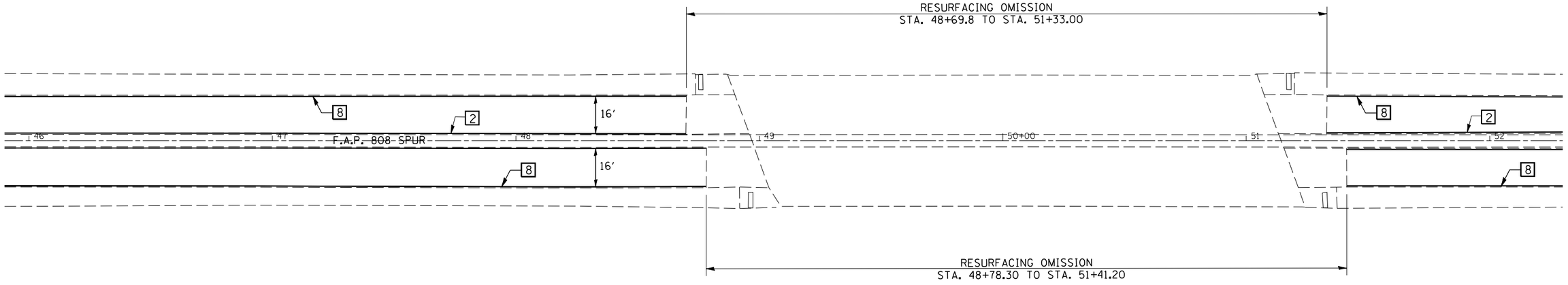
DRAWN BY
CHECKED BY

PLOT DATE = 10/24/2006
FILE NAME = c:\projects\d505200 (v8)\70122plansheets.dgn
PLOT SCALE = 42.3529 ' / IN.
USER NAME = cerrulit

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3X,3R)RS	CHAMPAIGN	47	36
STA. 46+00		TO STA. 52+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

T 19 N, R 9 E, SEC. 10, 3RD P.M.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & DETECTOR LOOP PLANS

SCALE: VERT.
HORIZ.
DATE

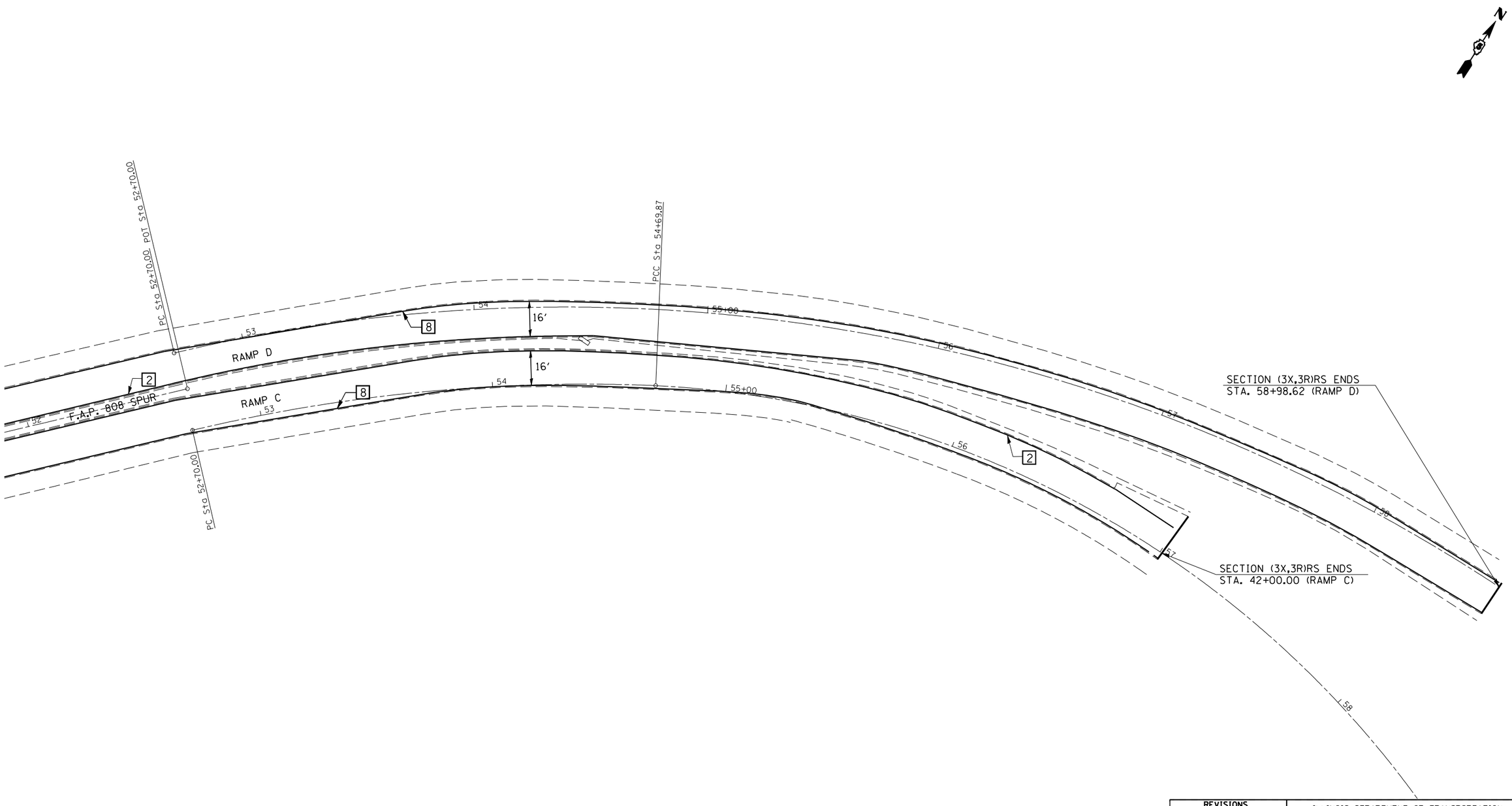
DRAWN BY
CHECKED BY

PLOT DATE = 10/24/2006
FILE NAME = c:\projects\d505200 \db\70122plansheets.dgn
PLOT SCALE = 42.250' / IN.
USER NAME = cornell.t

CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3X,3R)RS	CHAMPAIGN	47	37
STA. 52+00	TO STA. 58+98.62			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

T 19 N, R 9 E, SEC. 10, 3RD P.M.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING & DETECTOR LOOP PLANS

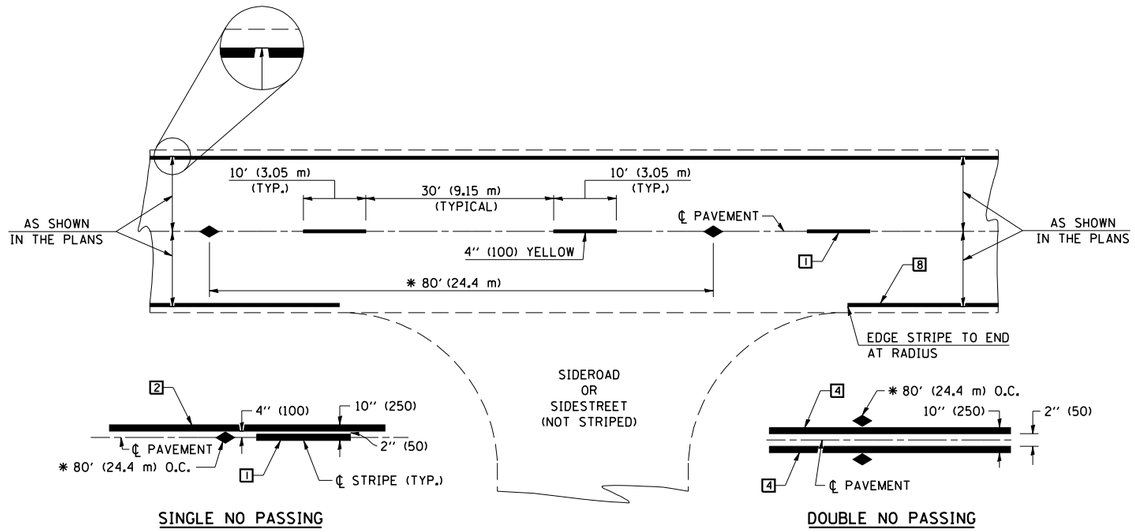
SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

PLOT DATE = 10/24/2006
FILE NAME = c:\projects\d505208 i:d\70122plansheets.dgn
PLOT SCALE = 42.3529 ' / IN.
USER NAME = cerrulli

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	38

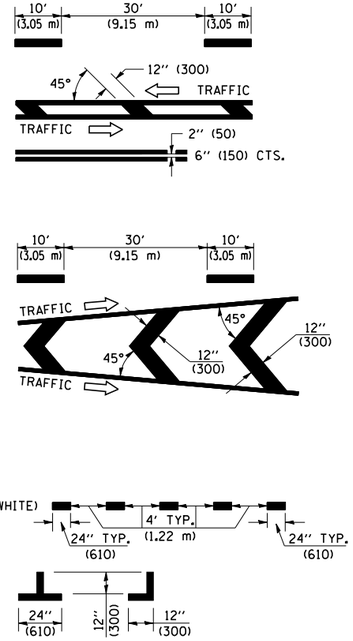
TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS



* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

TYPICAL PAVEMENT MARKING LEGEND

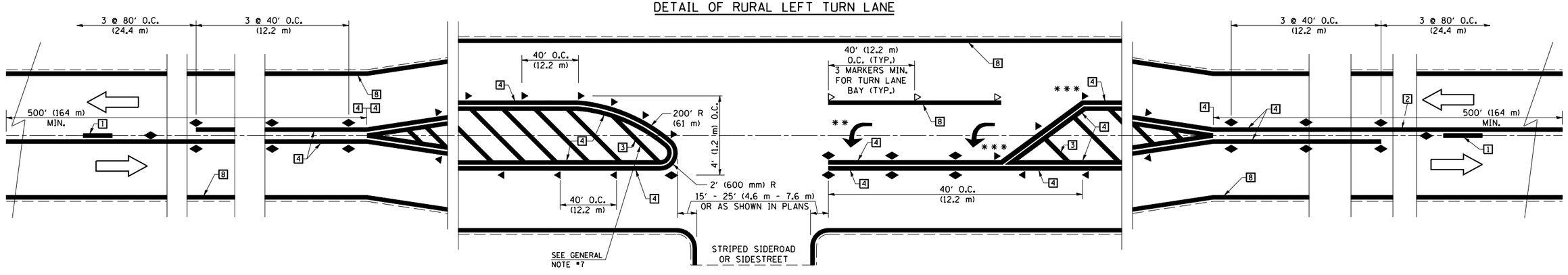
1. 4" (100) SKIP-DASH (YELLOW)
2. 4" (100) SOLID (YELLOW)
3. 12" (300) DIAGONAL (YELLOW)
4. 4" (100) DOUBLE YELLOW (NARROW)
5. RESERVED
6. RESERVED
7. 4" (100) SKIP-DASH (WHITE)
8. 4" (100) SOLID (WHITE)
9. 12" (300) DIAGONAL (WHITE)
10. 6" (150) CROSS WALK (WHITE)
11. 24" (600) STOP BAR (WHITE)
12. 8" (200) SOLID (WHITE)
13. 4" (100) LANE LINE EXTENSIONS (WHITE)
14. 4" (100) PARKING WHITE



TYPICAL PAVEMENT MARKERS LEGEND

- TWO-WAY AMBER MARKER
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER

DETAIL OF RURAL LEFT TURN LANE



*** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

** TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET *2.

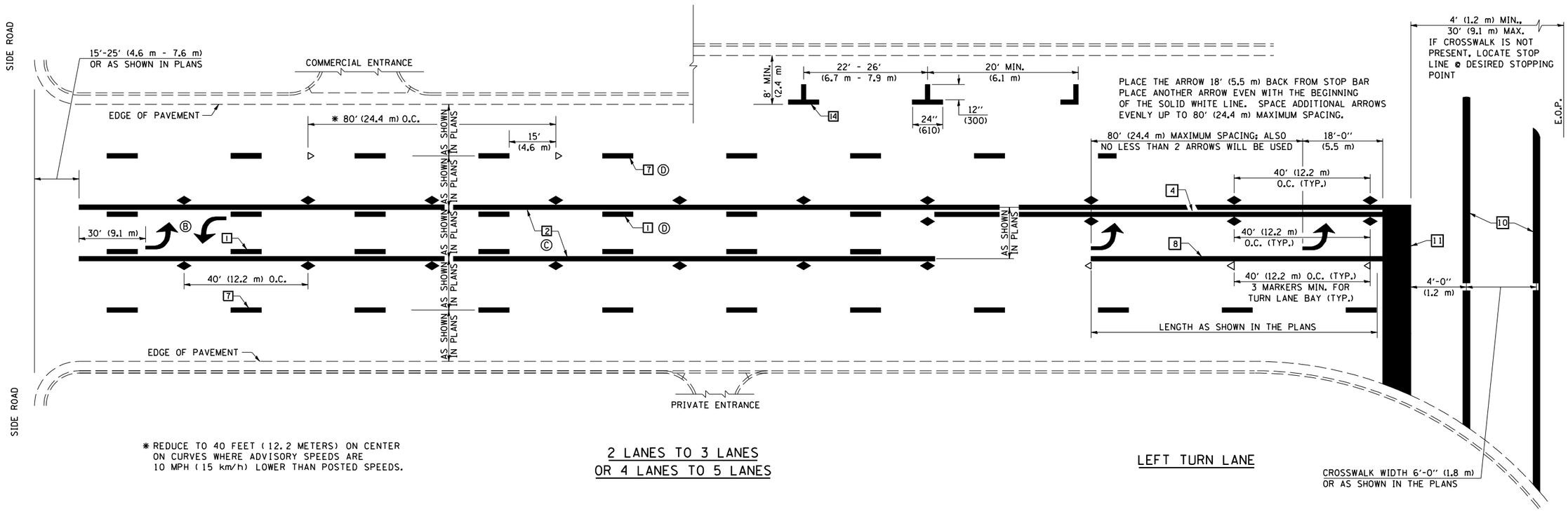
SHEET 1 OF 4

	NAME	DATE	REVISIONS	
DESIGNED	J.M.H.	5/85 6/88	NAME	DATE
CHECKED	FMS CTD	6/85 6/88	GEOMETRICS/K.A.G.	07/02
CADD NO.	F-5.25		K.A.G.	09/05

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	39

TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS



* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

2 LANES TO 3 LANES OR 4 LANES TO 5 LANES

LEFT TURN LANE

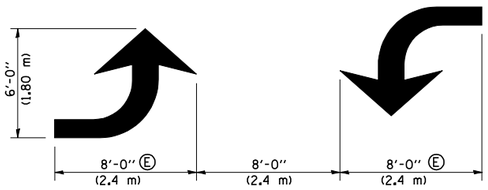
SHEET 2 OF 4

	NAME	DATE	REVISIONS	
DESIGNED	J.M.H.	5/85 6/88	NAME	DATE
CHECKED	FMS CTD	6/85 6/88	GEOMETRICS/K.A.G.	07/02
CADD NO.	F-5.25		K.A.G.	09/05

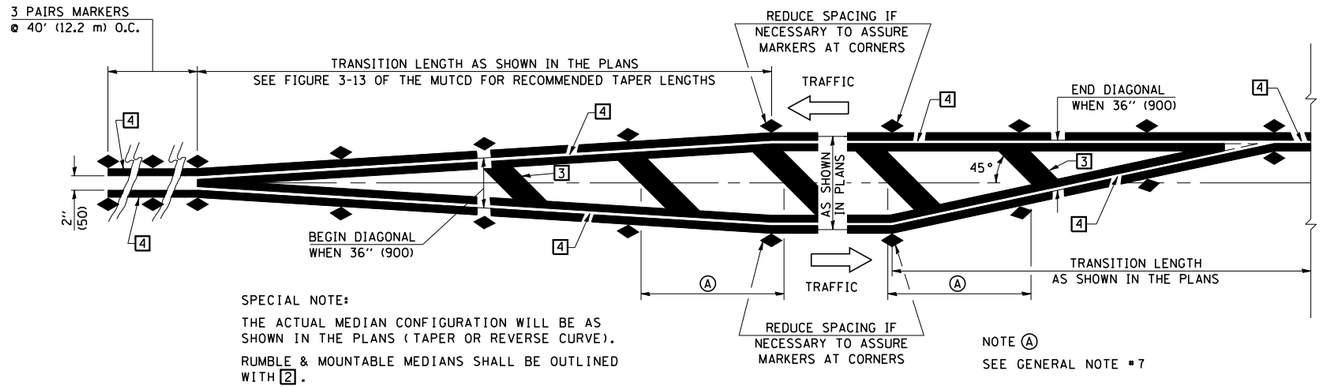
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	40

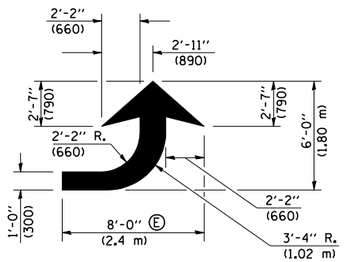
TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS



TYPICAL DOUBLE TURN ARROWS (WHITE)

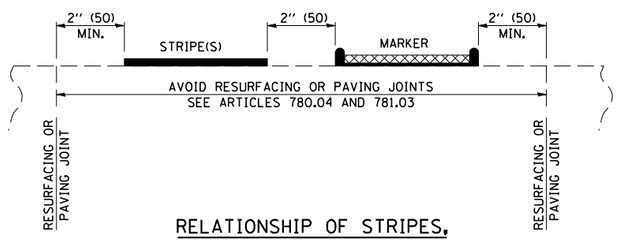


TYPICAL MEDIAN TRANSITIONS

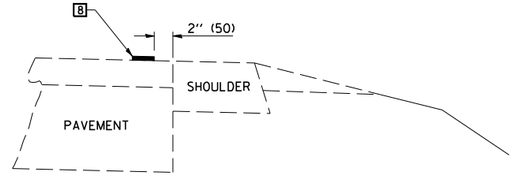


LEFT ARROW

REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m^2)
(WHITE)



RELATIONSHIP OF STRIPES, MARKERS AND JOINTS



RELATIONSHIP OF EDGE STRIPE TO SAFETY SHOULDER OR PAVED SURFACE

SPECIAL NOTES:

Ⓑ TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.

Ⓒ THE SOLID YELLOW PAVEMENT MARKINGS 2 SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.

Ⓓ THE SKIP-DASH PAVEMENT MARKINGS 1 OR 7 SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ON SHEET 2 OF 3.

Ⓔ TURN ARROW SIZE DEPENDS ON THE LOCATION.
RURAL LOCATION - LARGE ARROW SIZE
URBAN LOCATION - SMALL ARROW SIZE

GENERAL NOTES

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SCALE: NONE
3. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
4. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
5. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
6. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
7. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,
   < 30 MPH USE 15' (< 50 km/h USE 4.5 m)
   30-45 MPH USE 20' (50-75 km/h USE 6.0 m)
   >45 MPH USE 30' (>75 km/h USE 9.0 m)

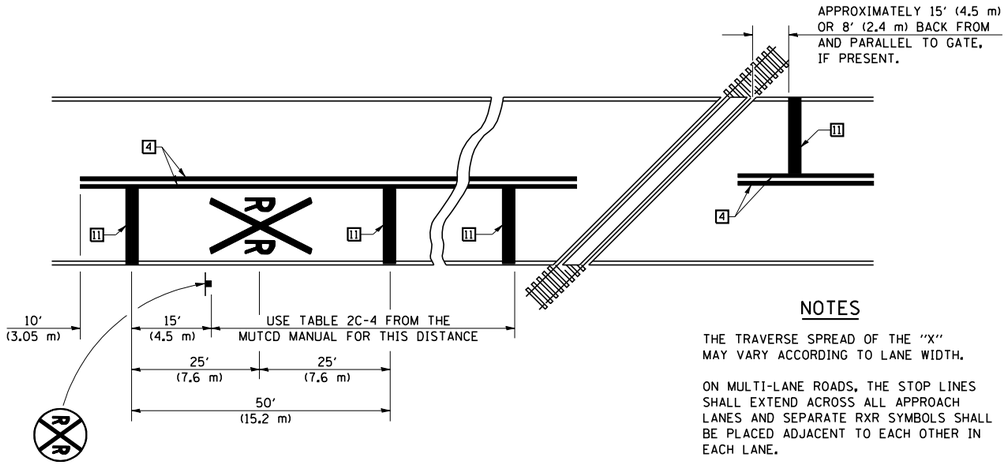
SHEET 3 OF 4

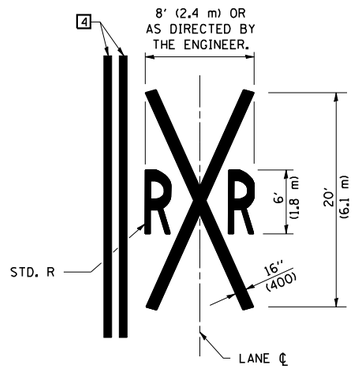
	NAME	DATE	REVISIONS	
DESIGNED	J.M.H.	5/85 6/88	NAME	DATE
CHECKED	FMS CTD	6/85 6/88	GEOMETRICS/K.A.G.	07/02
CADD NO.	F-5.25		K.A.G.	09/05

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	41

TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS





NOTES

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

SHEET 4 OF 4

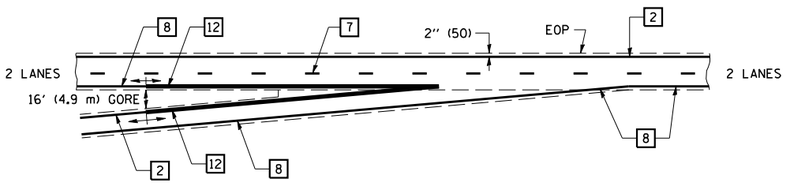
	NAME	DATE	REVISIONS	
DESIGNED	J.M.H.	5/85 6/88	NAME	DATE
CHECKED	FMS CTD	6/85 6/88	GEOMETRICS/K.A.G.	07/02
CADD NO.	F-5.25		K.A.G.	09/05

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

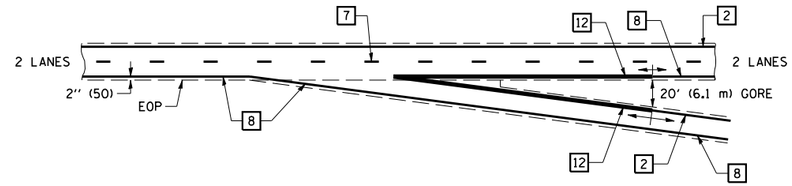
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	42

TYPICAL APPLICATION OF PAVEMENT MARKINGS FOR INTERSTATE AND MULTI-LANE DIVIDED HIGHWAYS

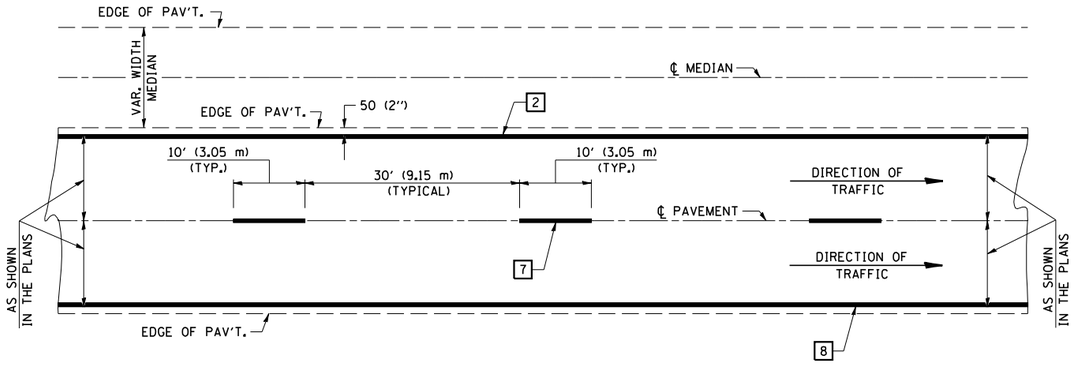
TYPICAL ENTRANCE RAMP TERMINAL



TYPICAL EXIT RAMP TERMINAL



CENTERLINE INTERSTATE OR MULTI-LANE TWO WAY DIVIDED HIGHWAY



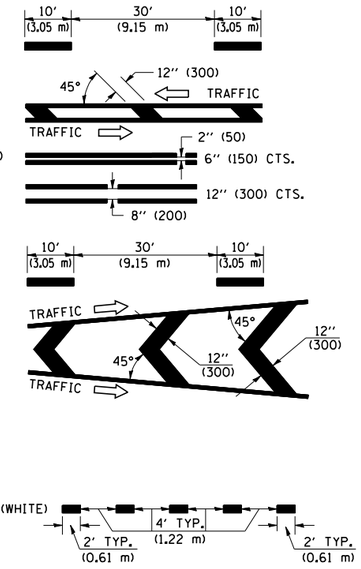
NOTE: PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.

NOTE: SEE ARTICLES 780.04 & 781.03 FOR LOCATION OF STRIPES AND MARKERS RELATIVE TO EDGES OR JOINTS.

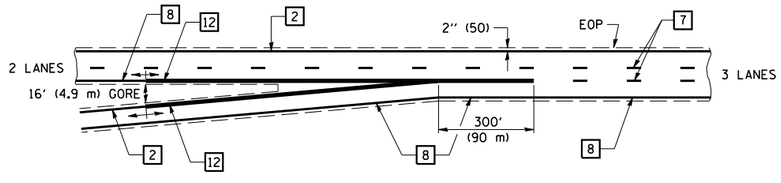
FOR RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO STANDARD 781001.

TYPICAL PAVEMENT MARKING LEGEND

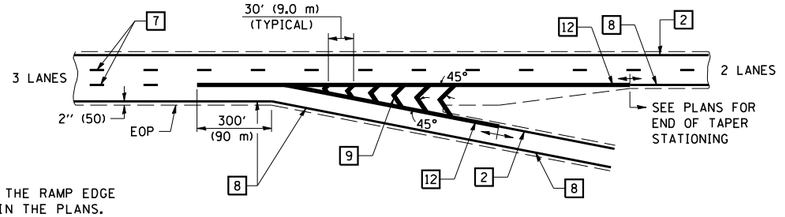
1. 4" (100) SKIP-DASH (YELLOW)
2. 4" (100) SOLID (YELLOW)
3. 12" (300) DIAGONAL (YELLOW)
4. 4" (100) DOUBLE YELLOW (NARROW)
5. 4" (100) DOUBLE YELLOW (WIDE)
6. RESERVED
7. 4" (100) SKIP-DASH (WHITE)
8. 4" (100) SOLID (WHITE)
9. 12" (300) DIAGONAL (WHITE)
10. 6" (150) CROSS WALK (WHITE)
11. 24" (600) STOP BAR (WHITE)
12. 8" (200) SOLID (WHITE)
13. 4" (100) LANE LINE EXTENSIONS (WHITE)
14. RESERVED



ENTRANCE RAMP TERMINAL with EXCLUSIVE LANE



EXIT RAMP TERMINAL with EXCLUSIVE (auxiliary) LANE



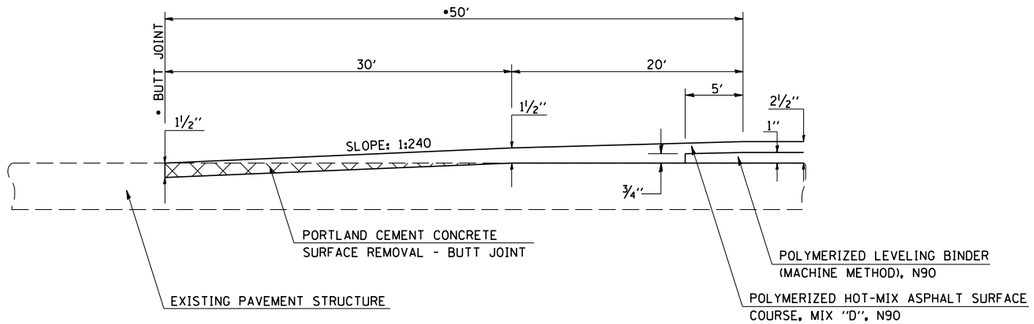
WHEN RAMPS ARE SURFACED, THE RAMP EDGE LINES SHALL BE AS SHOWN IN THE PLANS.

	NAME	DATE	REVISIONS	
DESIGNED	P.E.E.	03/89	NAME	DATE
CHECKED	C.T.D.	04/89	D.L.P.	08/97
CADD NO.	F-5.22		K.A.G.	08/04

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

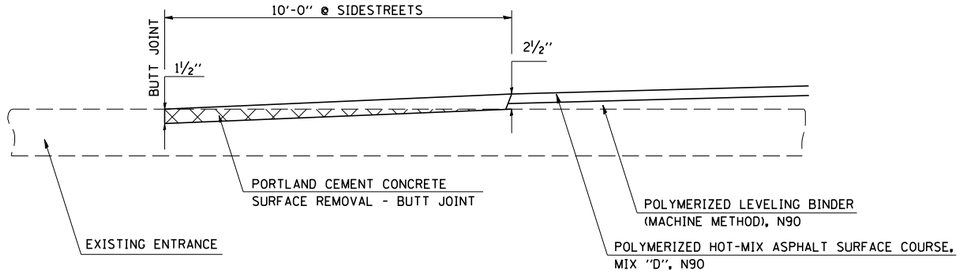
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	43

DETAIL OF PORTLAND CEMENT CONCRETE SURFACE REMOVAL – BUTT JOINT MAINLINE



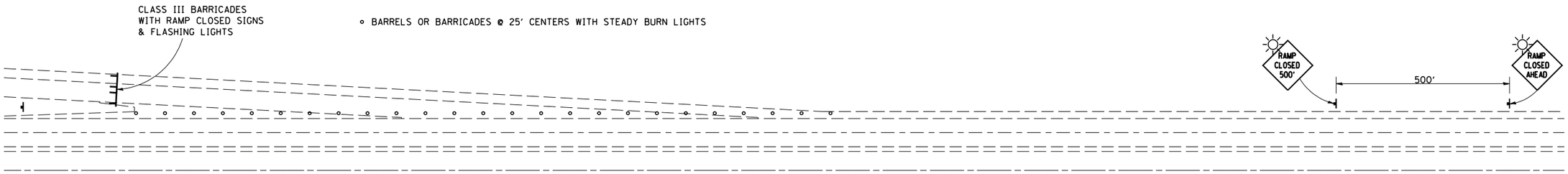
• BUTT JOINT LOCATIONS
PROJECT START 169+60

DETAIL OF PORTLAND CEMENT CONCRETE SURFACE REMOVAL – BUTT JOINT SIDESTREETS



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	44

TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR RAMP CLOSURE



NOTE: NOT TO SCALE

GENERAL NOTES

THESE ITEMS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR TRAFFIC CONTROL & PROTECTION STANDARD 701601.

THE FOLLOWING SIGNS WILL NOT BE NEEDED AS PART OF THIS SET-UP OF TRAFFIC CONTROL AND PROTECTION (SPECIAL):
1-WORK ZONE SPEED LIMIT SIGNS
2-CONSTRUCTION SPEED LIMIT SIGNS
3-END WORK ZONE SPEED LIMIT SIGNS

STEADY BURN LIGHTS ARE NOT REQUIRED FOR DAYTIME OPERATIONS.

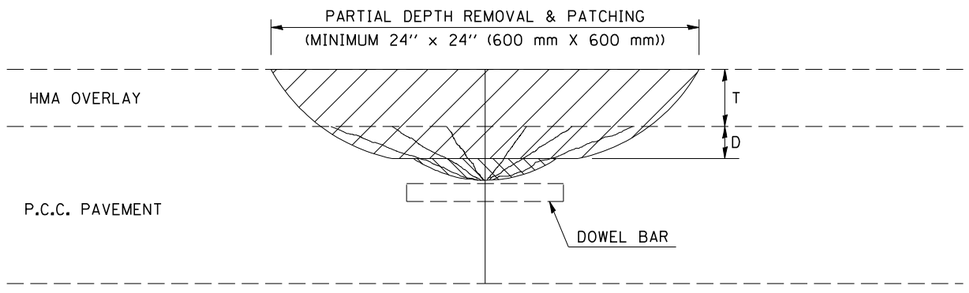
CONTACT THE DISTRICT TRAFFIC OPERATIONS ENGINEER AT 217-465-4181, ONE WEEK PRIOR TO CLOSING THE RAMP.

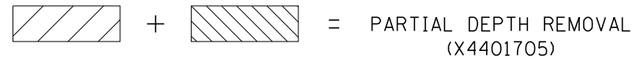
CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	45

PCC PARTIAL DEPTH HOT-MIX ASPHALT PATCHING

RESURFACED PCC PAVEMENT



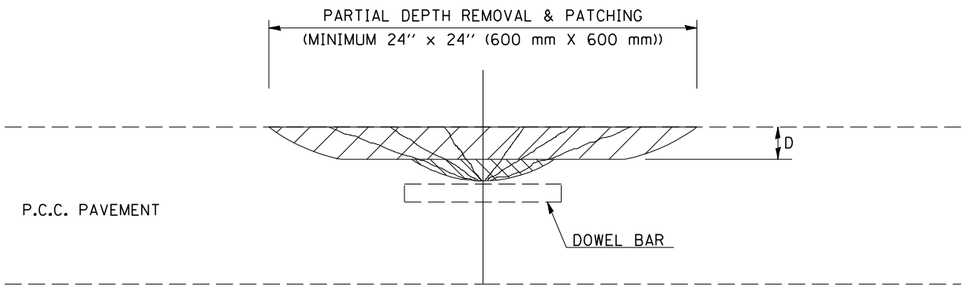


DESIGN NOTES

PARTIAL DEPTH HMA PATCHING SHALL NOT BE USED WHEN HMA OVERLAY THICKNESS (T) ON PCC PAVEMENT EXCEEDS 4 3/4 INCHES (145 mm) OR ON CRC PAVEMENT.

USE WITH RECURRING SPECIAL PROVISION CHECK SHEET #15.

BARE PCC PAVEMENT



GENERAL NOTES

ALL VOLUME OF PARTIAL DEPTH REMOVAL SHALL BE REPLACED WITH HOT-MIX ASPHALT (HMA) AND PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR PARTIAL DEPTH PATCHING.

T = THICKNESS OF HMA OVERLAY(S). SEE EXISTING TYPICAL CROSS SECTION.

GENERAL NOTE 406H SHALL INCLUDE MIXTURE REQUIREMENTS FOR PARTIAL DEPTH PATCHING.

HMA REPLACEMENT IN RESURFACED PCC PAVEMENT LOCATIONS SHALL BE ACCORDING TO SECTION 406 OF THE STANDARD SPECIFICATIONS.

D = DEPTH OF PARTIAL DEPTH REMOVAL INTO EXISTING PCC PAVEMENT.
(3'' (75 mm) ± OR TO SOUND CONCRETE)

TRANSVERSE CONTRACTION JOINT SHOWN - OTHER LOCATIONS SIMILAR.

	NAME	DATE	REVISIONS	
DESIGNED	T.J.B.	08/06	NAME	DATE
CHECKED				
CADD NO.	X4421000			

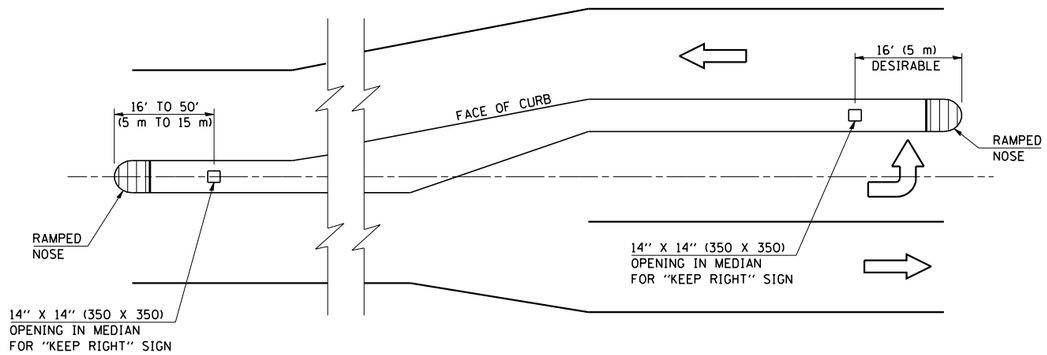
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

PLOT DATE = 10/24/2006
FILE NAME = c:\projects\cd605200 (db)\text.dgn
PLOT SCALE = 42.3529 / IN.
USER NAME = cemdirt

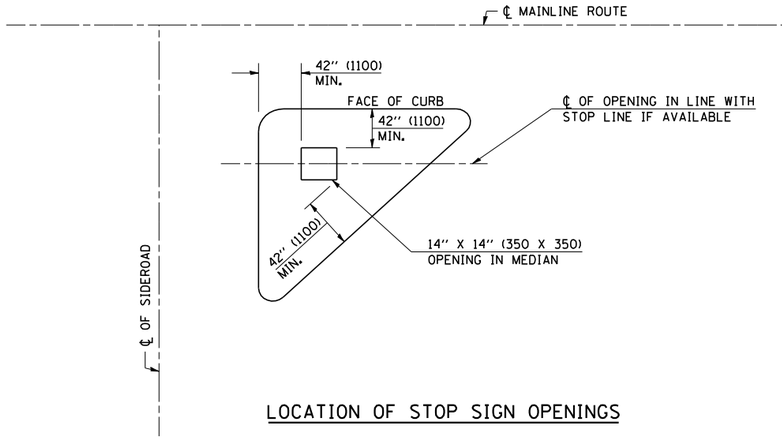
CONTRACT NO. 70122

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	46

LOCATION & DESIGN OF BLOCKOUTS FOR SIGN POSTS



LOCATION OF OPENINGS FOR "KEEP RIGHT" SIGNS



LOCATION OF STOP SIGN OPENINGS

GENERAL NOTES

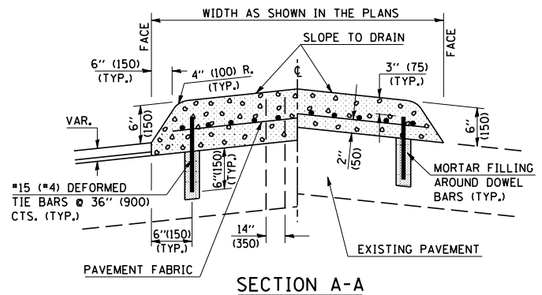
1. ALL SMALL ISLANDS SHALL BE CONSTRUCTED WITH THE STOP SIGN ISLANDS AS SHOWN, UNLESS OTHERWISE SPECIFIED.
2. OPENINGS FOR SIGNS IN MEDIANS SHALL BE AS SHOWN OR AS DIRECTED BY THE ENGINEER.
3. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE TYPE OF MEDIAN SPECIFIED IN THE PLANS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

	NAME	DATE	REVISIONS	
DESIGNED	J.M.H.	8/25/87	NAME	DATE
CHECKED	P.E.K.	8/25/87	D.L.P.	07/98
CADD NO.	A-5.03		K.A.G.	06/03

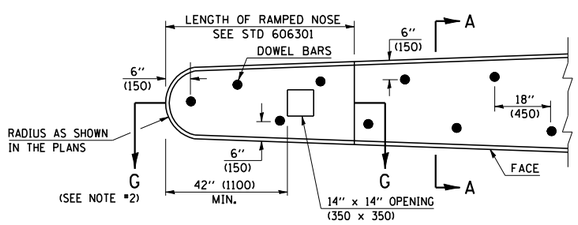
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

PLOT DATE = 10/24/2006
FILE NAME = c:\projects\d505200 (d1)\sxx1.dgn
PLOT SCALE = 42.352' / IN.
USER NAME = carroll.

DETAIL OF CONCRETE MEDIAN, TYPE SM-6 (SM-15) (DOWELED)



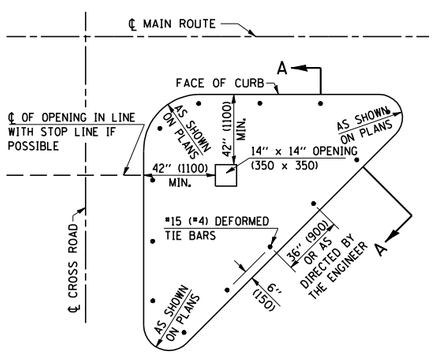
SECTION A-A



PLAN OF MEDIAN

GENERAL NOTES

1. THE GENERAL NOTES FOR STANDARD 606301 SHALL APPLY.
2. SECTION G-G SHALL BE THE SAME AS SHOWN ON STANDARD 606301.
3. DOWEL BARS @ 36" (900) CTS. OR AS DIRECTED BY THE ENGINEER.
4. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQ FOOT (m2) FOR CONCRETE MEDIAN, TYPE SM-6 (SM-15) (DOWELED), INCLUDING THE COST OF FURNISHING AND INSTALLING THE DOWEL BARS, MORTAR FILLING, PAVEMENT FABRIC AND THE REMOVAL AND DISPOSAL OF THE EXISTING PAVEMENT FOR THE 14" x 14" (350 x 350) OPENING, IF REQUIRED, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



PLAN OF CORNER ISLAND

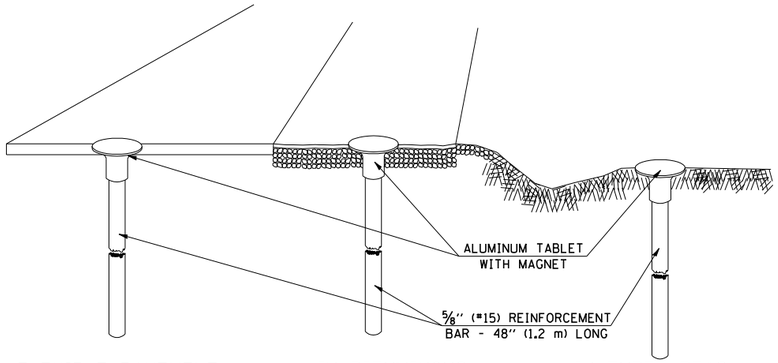
	NAME	DATE	REVISIONS	
DESIGNED	J.M.H.	I-89	NAME	DATE
CHECKED	F.M.S.	I-89	J.Y.B.	06/02
CADD NO.	A-5.07		K.A.G.	06/03

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

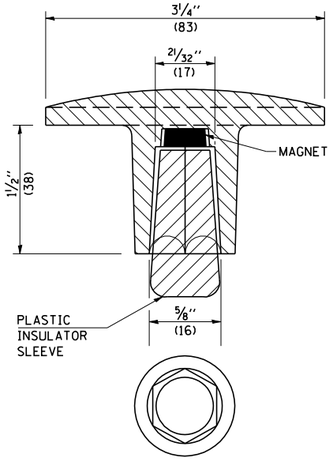
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(3R,3X)RS	CHAMPAIGN	47	47

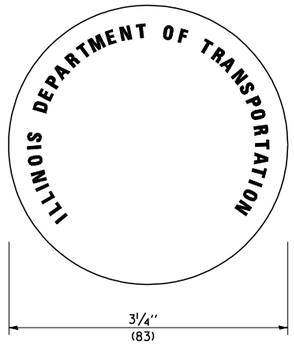
XZ193300 – SURVEY MARKER, TYPE 1 (SPECIAL)

TO BE INSTALLED IN FLEXIBLE PAVEMENT OR SHOULDER, BITUMINOUS TREATED SURFACE AND TURF AREAS WITHIN THE RIGHT-OF-WAY FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



IN FLEXIBLE PAVEMENT OR SHOULDER | IN BITUMINOUS TREATED SURFACE | IN TURF AREAS WITHIN R.O.W.





THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

1. THE CONTRACT UNIT PRICE, EACH, FOR SURVEY MARKER, TYPE I, (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE SURVEY MARKER.
2. ALL SURVEY MARKERS, TYPE I, (SPECIAL) SHALL BE PLACED ± 1/4" (6 mm) BELOW THE FINAL SURFACE.
3. WHEN THE TABLET AND REBAR ARE PLACED AS PART OF A SURVEY MARKER VAULT, THEY SHALL BE CONSIDERED AS INCLUDED IN THAT PAY ITEM AND THERE WILL BE NO PAYMENT FOR THE SURVEY MARKER, TYPE I, (SPECIAL).

SPECIFICATIONS FOR ALUMINUM TABLET

SURVEY CAP FOR REBAR. 3¼" (83 mm) CONVEX SURVEY CAP FOR ⅝" (15 mm) REBAR WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/32" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM CAP FOR REBAR SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM CAP FOR REBAR SHALL BE TAPERED FOR A PERFECT COMPRESSION FIT. A SPECIAL PLASTIC INSULATOR SHALL BE INSTALLED TO PREVENT DISSIMILAR METAL CONTACT AND CORROSION. THE PLASTIC INSULATOR SHALL FORM READILY TO THE OUTER SHAPE OF THE REBAR AND TO THE INNER SHAPE OF THE ALUMINUM CAP SOCKET. THE PLASTIC INSULATOR SHALL BE LOW DENSITY POLYETHYLENE, A MINIMUM 1½" (38 mm) LONG AND CONFORM TO FEDERAL SPECIFICATION L-P 390.

COMPOSITION: ALUMINUM 98.3-98.7%; OTHER 1.3-1.7%; STRENGTH: YIELD 28 KSI (193 MPa), ULTIMATE 32 KSI (221 MPa). ELONGATION 15% [IN 2" (50 mm)]. SPECIFICATIONS: ALUMINUM ALLOY 6101-0; ASTM B317-83 (EXCEPT TEMPER) AS FORGED. NO EXCEPTIONS.

SPECIFICATIONS FOR REBAR

REBAR FOR ALUMINUM TABLET. REINFORCEMENT BAR SHALL BE ⅝" (#15) X 48" (1.2 m) (DEFORMED).

INSPECTION OF REINFORCEMENT BAR ⅝" (#15) SHALL BE DONE BY DISTRICT PERSONNEL OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS.

DESIGN NOTE

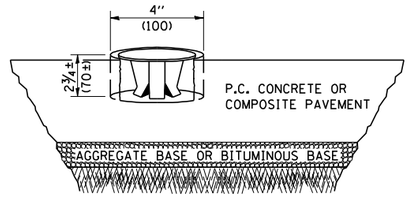
BDE 58-8.02 "PLACE MARKERS AT THE PT'S AND PC'S OF ALL HORIZONTAL CURVES AND SPACE THEM ALONG TANGENTS SO THAT TWO MARKERS ARE ALWAYS INTERVISIBLE."

	NAME	DATE	REVISIONS	
DESIGNED	AWH	8/17/91	NAME	DATE
CHECKED	PEK	8/17/91	D.L.P.	10-96
CADD NO.	D-1.05		K.A.G.	08-04

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

XZ193400 – SURVEY MARKER, TYPE 2 (SPECIAL)

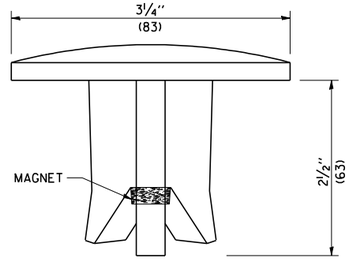
TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



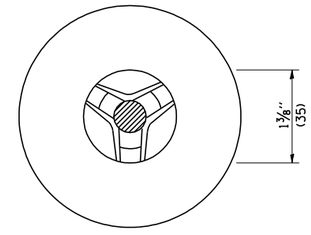
SPECIFICATIONS FOR ALUMINUM TABLET (FORKED)

ALUMINUM TABLET (FORKED) FOR USE WITH "SURVEY MARKER, TYPE 2, (SPECIAL)" SHALL BE AS SHOWN ON THE DETAIL FOR THE 3¼" (83 mm) CONVEX SURVEY TABLET WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE FOR LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 1/32" (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM TABLET SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM TABLET SHALL BE DESIGNED NOT TO TURN OR ROTATE. THREE PRONGS ON A 2½" (63 mm) STEM SHALL BE SUCH THAT THE ALUMINUM TABLET CANNOT BE EASILY REMOVED.

COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD 19,000-21,000 PSI (131-145 MPa); TENSILE 38,000-44,000 PSI (262-303 MPa); ELONGATION 10-15% [IN 2" (50 mm)]. SPECIFICATIONS: ALLOY 535.0; QQ-A-601ES. NO EXCEPTIONS.



SIDE VIEW



BOTTOM VIEW

THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

1. WORK ON THIS ITEM SHALL NOT START UNTIL THE FINAL SURFACE IS COMPLETED.
2. THE ALUMINUM TABLET (FORKED) SHALL REST UPON THE BOTTOM OF THE 4" (100 mm) CORE HOLE. IF THE HOLE IS TOO DEEP, EPOXY GROUT MUST BE USED TO DECREASE THE DEPTH AND ALLOWED TO HARDEN BEFORE PROCEEDING.
3. THE ALUMINUM TABLET SHALL BE ANCHORED IN THE 4" (100 mm) DIAMETER HOLE IN THE NEW PAVEMENT WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
4. THE 4" (100 mm) CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
5. THE CONTRACT PRICE, EACH, FOR SURVEY MARKER, TYPE 2 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE ALUMINUM TABLET AND ALL LABOR AND MATERIAL TO SET THE MARKER IN PLACE, AS SPECIFIED, INCLUDING CORING THE NEW PAVEMENT.
6. ALL SURVEY MARKERS, TYPE 2 (SPECIAL) SHALL BE PLACED ± 1/4" (6 mm) BELOW THE FINAL SURFACE.