

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113RS-3	DEWITT	34	1

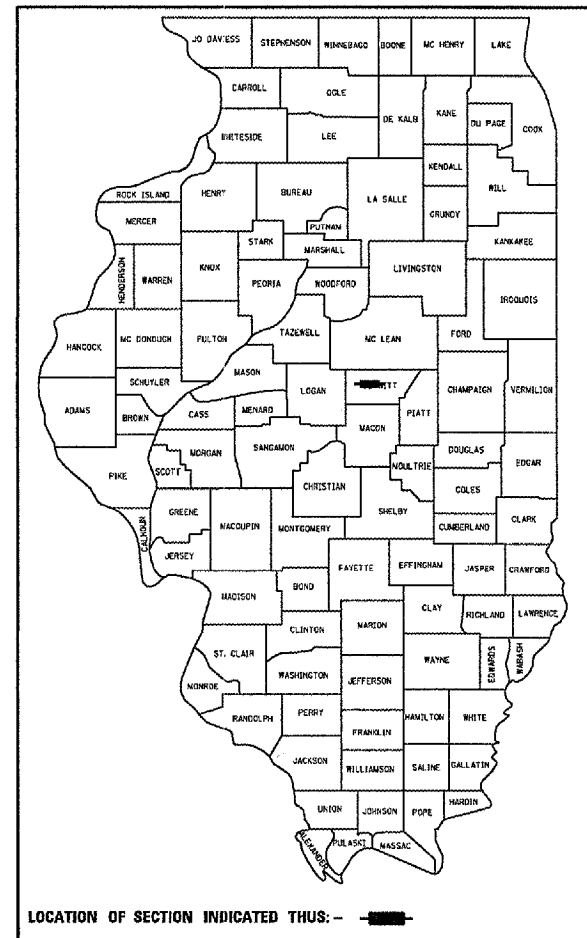
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 721 (IL 10)
SECTION 113RS-3
DEWITT COUNTY
PROJECT ACF-0721(074)
C-95-108-02

RESURFACING (3P)
US 51 BYP TO IL 10 IN CLINTON & IL 54 TO ECL OF CLINTON

D-95-060-02



LOCATION OF SECTION INDICATED THUS: - [shaded area]

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

STATION EQUATION:
STA 368+50.74 (BK) =
STA 1001+09.30 (AH)

S.N. 020-9903
STA 1998+78.47

END PROJECT
STATION 2006+12

BEGIN PROJECT
STATION 361+82

END PROJECT
STATION 93+22.40

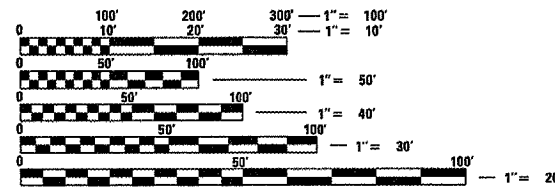
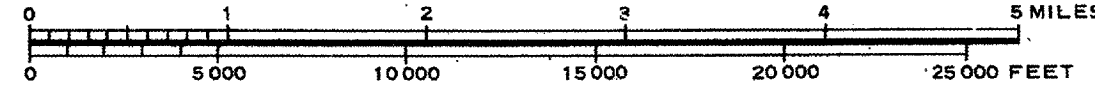
CURRENT ADT
12,400 2004

DESIGN DESIGNATION
PRINCIPAL ARTERIAL

STATION EQUATION:
STA 1036+60.60 (BK) =
STA 1138+80.66 (AH)

STATION EQUATION:
STA 1167+64.67 (BK) =
STA 1997+27.00 (AH)

STATION EQUATION:
POT STA 1999+99.88 (54/10)
= PC STA 23+41.00 (IL 10)



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 (CLINTONIA TOWNSHIP)

CONTRACT NO. 70266

TOTAL LENGTH OF SECTION & PROJECT = 14,496.45 FEET = 2.746 MILES
NET LENGTH OF SECTION & PROJECT = 14,496.45 FEET = 2.746 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 10/12/07

Joseph E. Peavey III
DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER

Eric E. Harms
ENGINEER OF DESIGN AND ENVIRONMENT

Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

PROJECT ENGINEER: KENSIL A. GARNETT (217)465-4181
SQUAD LEADER: ROBERT M. NELSON
DESIGNER: MATTHEW W. MURPHY

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F.A.P. RFE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113RS-3	DEWITT	34	2

INDEX OF SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	COVER SHEET
2	INDEX OF SHEETS / HIGHWAY STANDARDS
3	GENERAL NOTES
4-5	SUMMARY OF QUANTITIES
6-13	EXISTING & PROPOSED TYPICAL CROSS SECTIONS
14-15	SCHEDULES OF QUANTITIES
16-26	PLAN, PAVEMENT MARKING & SIGNAL LOOP DETAILS
27-30	DETAILS OF TRAFFIC BARRIER TERMINAL (SPECIAL) AND CURB REMOVAL (SPECIAL)
31-34	PAVEMENT MARKINGS AND MARKERS (RURAL & URBAN APPLICATIONS)

LIST OF STANDARDS

<u>STANDARD NO.</u>	<u>DESCRIPTION</u>
000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
420001-07	PAVEMENT JOINTS
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
606306-02	CORRUGATED PC CONCRETE MEDIANS
701011-01	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
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
701326-02	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
701426-02	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH
701501-04	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-02	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701701-05	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
886001	DETECTOR LOOP INSTALLATIONS
886006	TYPICAL LAYOUTS FOR DETECTION LOOPS

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ILLINOIS DEPARTMENT OF TRANSPORTATION
INDEX OF SHEETS
& LIST OF STANDARDS
 F.A.P. ROUTE 721 (IL 10)
 SECTION 113RS-3
 DEWITT COUNTY
 SCALE: N/A DRAWN BY: CADD
 DATE: 08/02/2007 CHECKED BY:

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113RS-3	DEWITT	34	3

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. -107.12
THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE LOCAL RAILROAD CONTACT IS:

Mr. Hardy Taylor
1907 Marion Ave
Mattoon, IL 61938
(217) 238-2443

SPECIAL ATTENTION IS CALLED TO ARTICLE 107.12 REGARDING RAILROAD FLAGGERS. THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE RAILROAD CONTACT PERSON FOR FLAGGERS IS:

Mr. Tom Tucker
2800 Livernois Rd
Troy, MI 48083
(248) 740-6227

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. DESIGN THICKNESS CAN BE BACK CALCULATED BY USING THE CONVERSION FACTOR OF 1 INCH THICKNESS = 112 POUNDS / SQUARE YARD.

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 ASPHALT 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(s):	US 51 CLINTON BYP TO IL 10 & 54	US 51 CLINTON BYP TO IL 10 & 54	US 51 CLINTON BYP TO IL 10 & 54
Mixture Use(s):	SURFACE & SHOULDER	LEVEL BINDER	CLASS D PATCH & WIDENING
AC/PG:	SBS PG 70-22	SBS PG 70-22	SBS PG 64-22
RAP %: (Max)**	10%	10%	25%
Design Air Voids:	4.0% @ Ndes = 70	4.0% @ Ndes = 70	4.0% @ Ndes = 70
Mixture Composition: (Gradation Mixture)	IL 9.5	IL 9.5	IL 19.0
Friction Aggregate:	MIX "D"	MIX "C"	N/A

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. -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. -1004.01
COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

G.N. - 873
EXISTING DETECTOR LOOPS IN THE AREAS OF PROPOSED SURFACE REMOVAL SHALL BE REPLACED PER THE EXISTING SIZE AND LOCATIONS 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 VIA EXISTING LEAD-IN CABLE. 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 BE WIRED IN SERIES PER THE DETAIL SHOWN IN THE PLANS. WHERE IT IS NECESSARY TO INSTALL MORE THAN ONE LOOP HOME-RUN IN A CONDUIT; HOME-RUNS SHARING THE SAME CONDUIT SHALL BE ON A COMMON AMPLIFIER. THE PROPOSED DETECTOR LOOPS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF THE PROPOSED BITUMINOUS SURFACE COURSE.

COMMITMENTS: THERE ARE NO COMMITMENTS FOR THIS PROJECT

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ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

F.A.P. ROUTE 721 (IL 10)
SECTION 113RS-3
DEWITT COUNTY

SCALE: N/A
DATE: 08/02/2007

DRAWN BY: CADD
CHECKED BY:

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113RS-3	DEWITT	34	4

SUMMARY OF QUANTITIES

LOCATION OF WORK:

DEWITT COUNTY URBAN ROADWAY/STRUCTURE IMPROVEMENTS FAP 721 (IL 10) STA. 361+82 STA. 2006+12 STA. 93+22.40 80% FEDERAL 20% STATE I000-2A	DEWITT COUNTY URBAN ROADWAY/STRUCTURE IMPROVEMENTS FAP 721 (IL 10) STA. 1998+39 STA. 1998+67 80% FEDERAL 20% STATE SFTY-3M
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CONSTRUCTION TYPE CODE:

CODE NO	ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	30.0	30.0	----
35600712	HOT-MIX ASPHALT BASE COURSE WIDENING, 9"	SQ YD	688.0	688.0	----
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	10,544.0	10,544.0	----
40600300	AGGREGATE (PRIME COAT)	TON	212.0	212.0	----
40600837	POLYMERIZED LEVELING BINDER (MACHINE METHOD), N70	TON	2,227.0	2,227.0	----
40600895	CONSTRUCTING TEST STRIP	EACH	1.0	1.0	----
40600990	TEMPORARY RAMP	SQ YD	44.0	44.0	----
40603540	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	4,454.0	4,454.0	----
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	53,020.0	53,020.0	----
44002400	CURB REMOVAL (SPECIAL)	FOOT	30.0	30.0	----
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	235.0	235.0	----
44201887	CLASS D PATCHES, TYPE II, 20 INCH	SQ YD	12.0	12.0	----
48101200	AGGREGATE SHOULDER, TYPE B	TON	602.0	602.0	----
60255500	MANHOLES TO BE ADJUSTED	EACH	4.0	4.0	----
60266600	VALVE BOXES TO BE ADJUSTED	EACH	4.0	4.0	----
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4.0	4.0	----
67100100	MOBILIZATION	L SUM	1.0	1.0	----
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0	1.0	----
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1.0	1.0	----
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1.0	1.0	----
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1.0	1.0	----
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1.0	1.0	----
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	5,076.0	5,076.0	----

(CONTINUED NEXT SHEET)

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
 F.A.P. ROUTE 721 (IL 10)
 SECTION 113RS-3
 DEWITT COUNTY

SCALE: N/A
 DATE: 08/02/2007
 DRAWN BY: CAD0
 CHECKED BY:

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113RS-3	DEWITT	34	5

SUMMARY OF QUANTITIES

LOCATION OF WORK:

DEWITT COUNTY URBAN ROADWAY/STRUCTURE IMPROVEMENTS FAP 721 (IL 10) STA. 361+82 STA. 2006+12 STA. 93+22.40 80% FEDERAL 20% STATE 1000-2A	DEWITT COUNTY URBAN ROADWAY/STRUCTURE IMPROVEMENTS FAP 721 (IL 10) STA. 1998+39 STA. 1998+67 80% FEDERAL 20% STATE SFTY-3N
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CONSTRUCTION TYPE CODE:

CODE NO	ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1,170.0	1,170.0	----
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	36,817.0	36,817.0	----
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	652.0	652.0	----
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	213.0	213.0	----
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	217.0	217.0	----
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	559.0	559.0	----
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1,170.0	1,170.0	----
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	19,478.0	19,478.0	----
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	652.0	652.0	----
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	213.0	213.0	----
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	217.0	217.0	----
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	17,339.0	17,339.0	----
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	642.0	642.0	----
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	1.0	1.0	----
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	642.0	642.0	----
* 88600100	DETECTOR LOOP, TYPE 1	FOOT	1,335.0	1,335.0	----
* X0640200	TRAFFIC BARRIER TERMINAL (SPECIAL)	EACH	1.0	1.0	----
XX002267	MEDIAN REMOVAL AND REPLACEMENT	SQ FT	1,081.0	1,081.0	----
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1.0	1.0	----
* SPECIALTY ITEMS					

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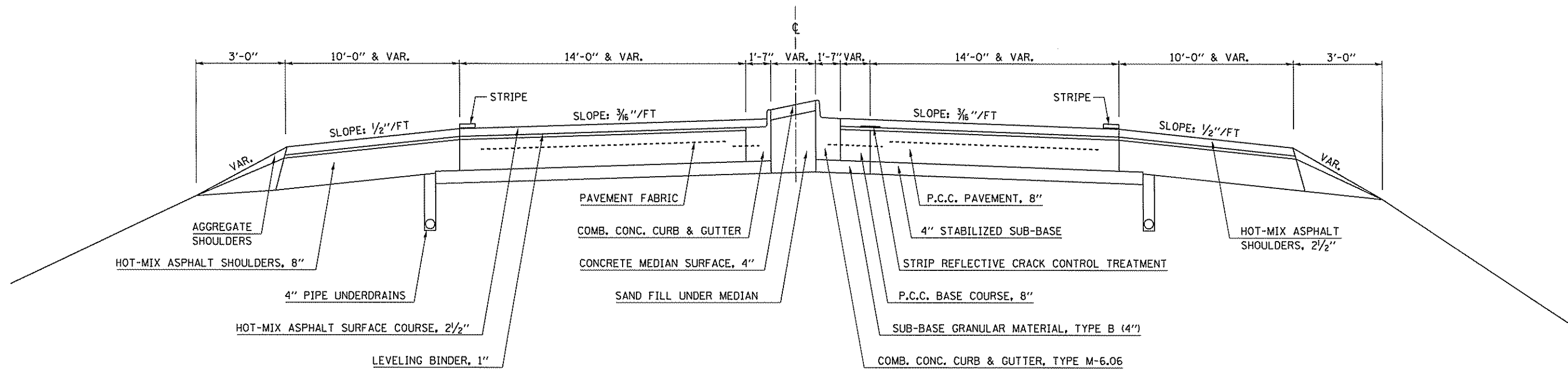
ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
 F.A.P. ROUTE 721 (IL 10)
 SECTION 113RS-3
 DEWITT COUNTY
 SCALE: N/A
 DATE: 08/02/2007
 DRAWN BY: CADD
 CHECKED BY:

CONTRACT NO. 70266				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113RS-3	DEWITT	34	6

EXISTING TYPICAL CROSS SECTION

ILLINOIS ROUTE 54

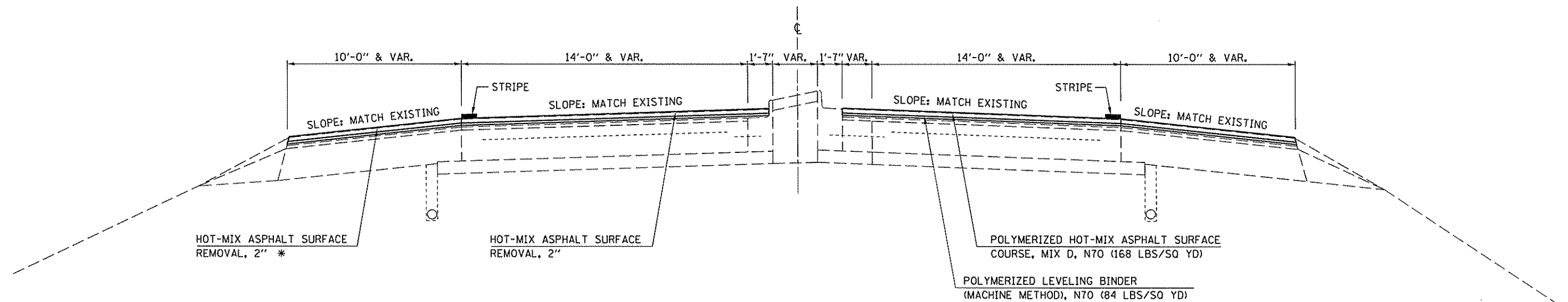
STATION 361+82.00 TO STATION 365+39.00



1 PROPOSED TYPICAL CROSS SECTION

ILLINOIS ROUTE 54

STATION 361+82.00 TO STATION 365+39.00 ②



* LT 361+82 TO 364+45
RT 361+82 TO 364+55

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113RS-3	DEWITT	34	7

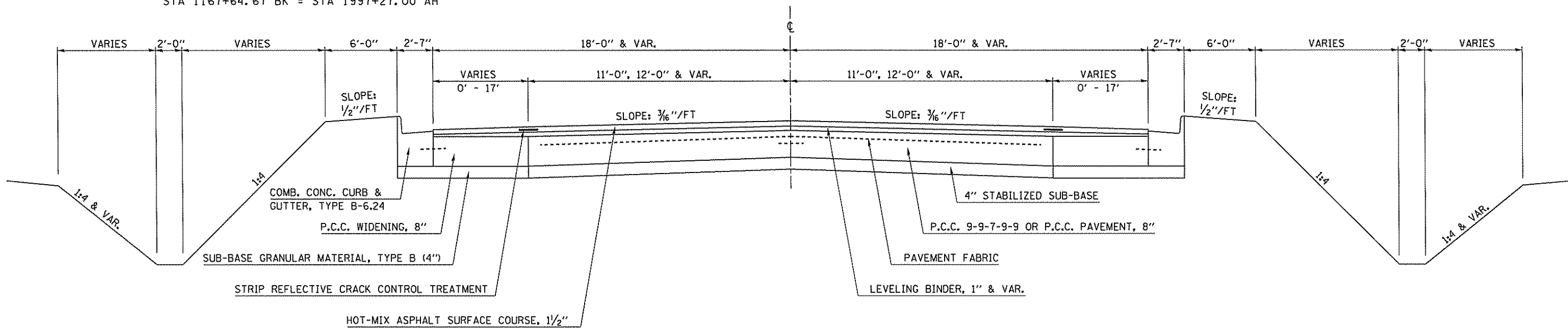
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STA 368+50.74 BK = STA 1001+09.30 AH

** STATION EQUATION:
STA 1036+60.60 BK = STA 1138+80.66 AH

*** STATION EQUATION:
STA 1167+64.67 BK = STA 1997+27.00 AH

EXISTING TYPICAL CROSS SECTION

STATION	TO	STATION
365+39.00 *		1029+15.98 (IL 10)
1031+74.49 **		1142+58.16 (IL 10 & IL 54)
1150+74.91 ***		1997+28.70 (IL 10 & IL 54)



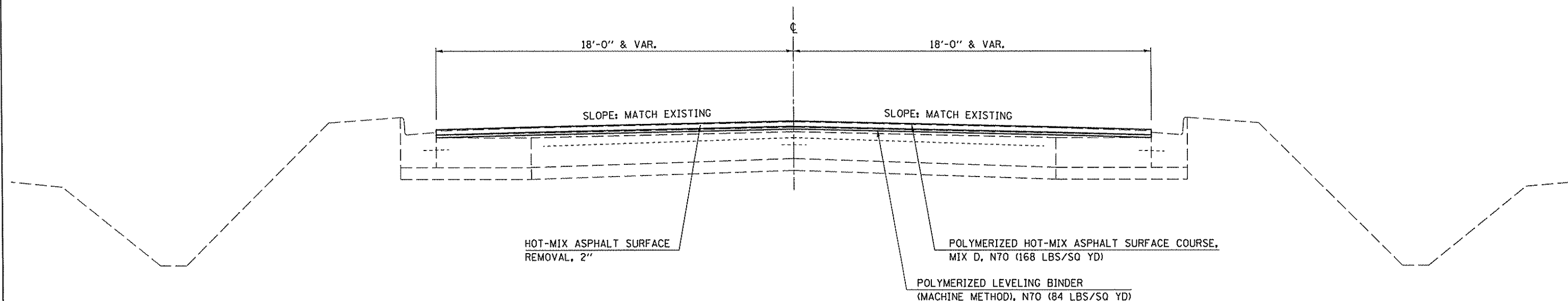
2 PROPOSED TYPICAL CROSS SECTION

STATION	TO	STATION
① 365+39.00 *		③ 1029+15.98 (IL 10)
② 1031+74.49 **		④ 1142+58.16 (IL 10 & IL 54)
④ 1150+74.91 ***		⑤ 1997+28.70 (IL 10 & IL 54)

* STATION EQUATION:
STA 368+50.74 BK = STA 1001+09.30 AH

** STATION EQUATION:
STA 1036+60.60 BK = STA 1138+80.66 AH

*** STATION EQUATION:
STA 1167+64.67 BK = STA 1997+27.00 AH

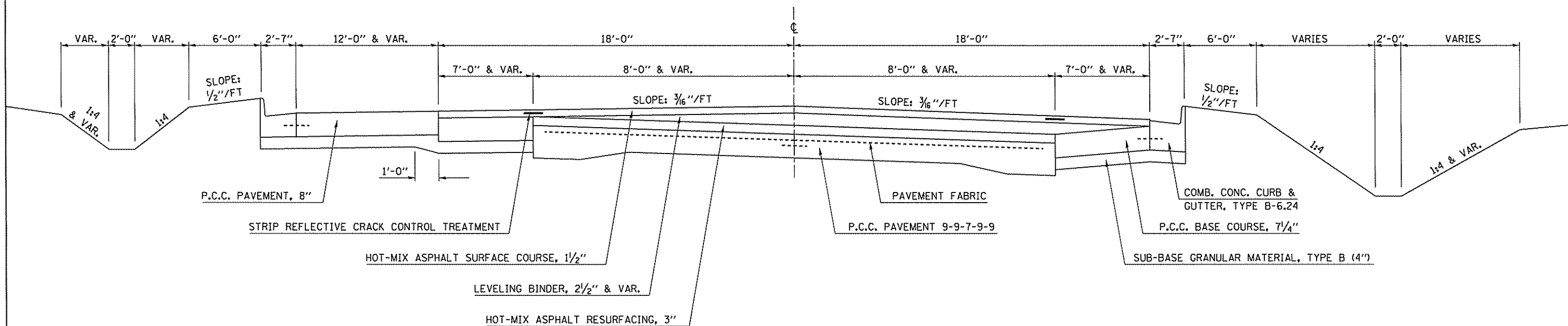


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113RS-3	DEWITT	34	8

EXISTING TYPICAL CROSS SECTION

ILLINOIS ROUTE 10 & ROUTE 54

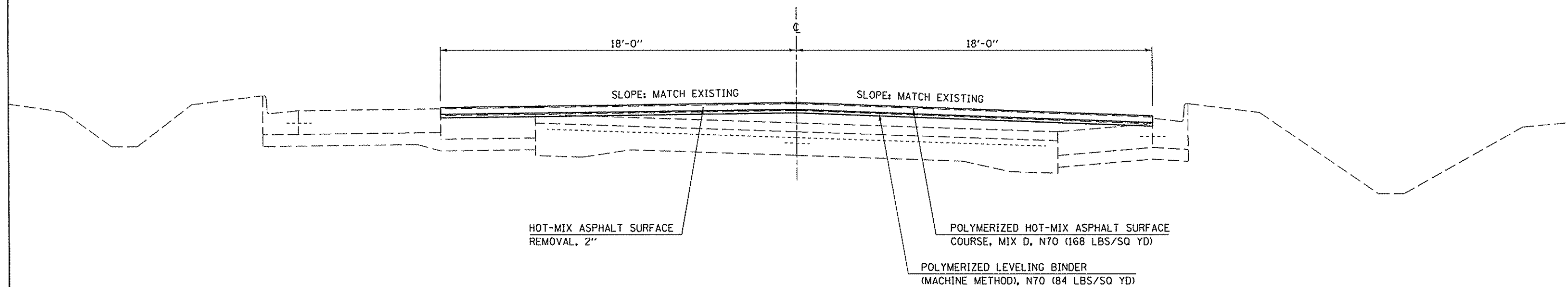
STATION TO STATION
1029+15.98 TO 1031+74.49



3 PROPOSED TYPICAL CROSS SECTION

ILLINOIS ROUTE 10 & ROUTE 54

STATION TO STATION
② 1029+15.98 TO 1031+74.49 ②

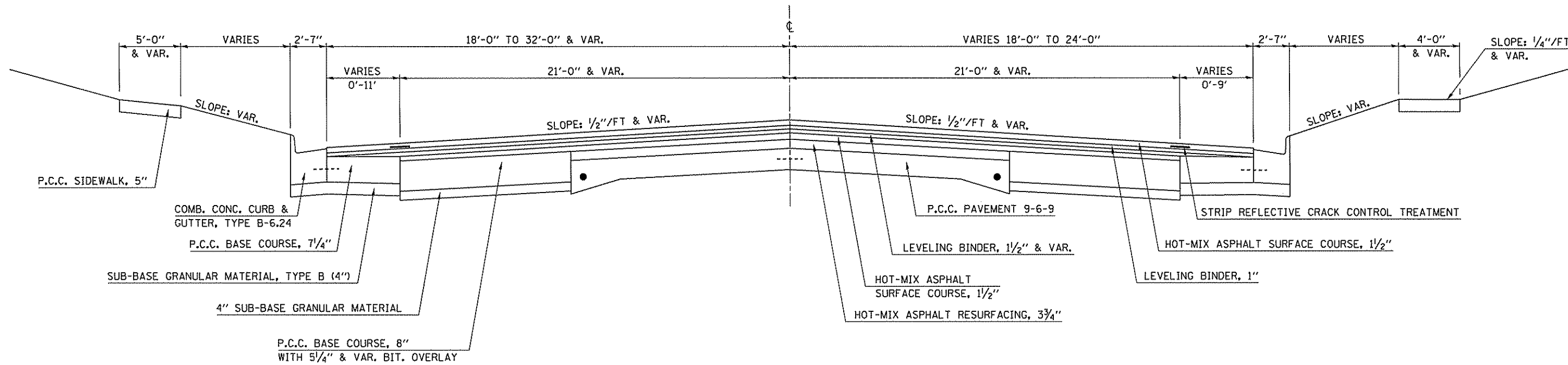


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CONTRACT NO. 70266				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113RS-3	DEWITT	34	9

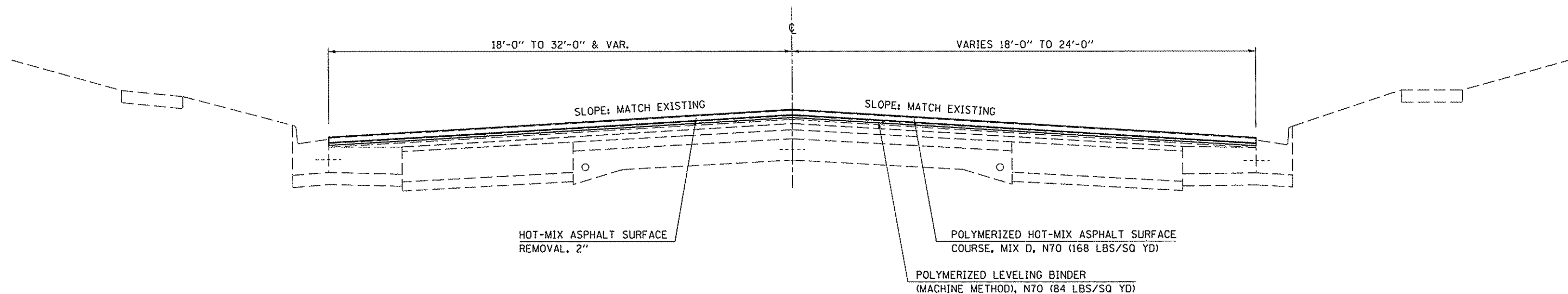
EXISTING TYPICAL CROSS SECTION

ILLINOIS ROUTE 10 & ROUTE 54
 STATION TO STATION
 1142+58.16 1150+74.91



④ PROPOSED TYPICAL CROSS SECTION

ILLINOIS ROUTE 10 & ROUTE 54
 STATION TO STATION
 ② 1142+58.16 1150+74.91 ②



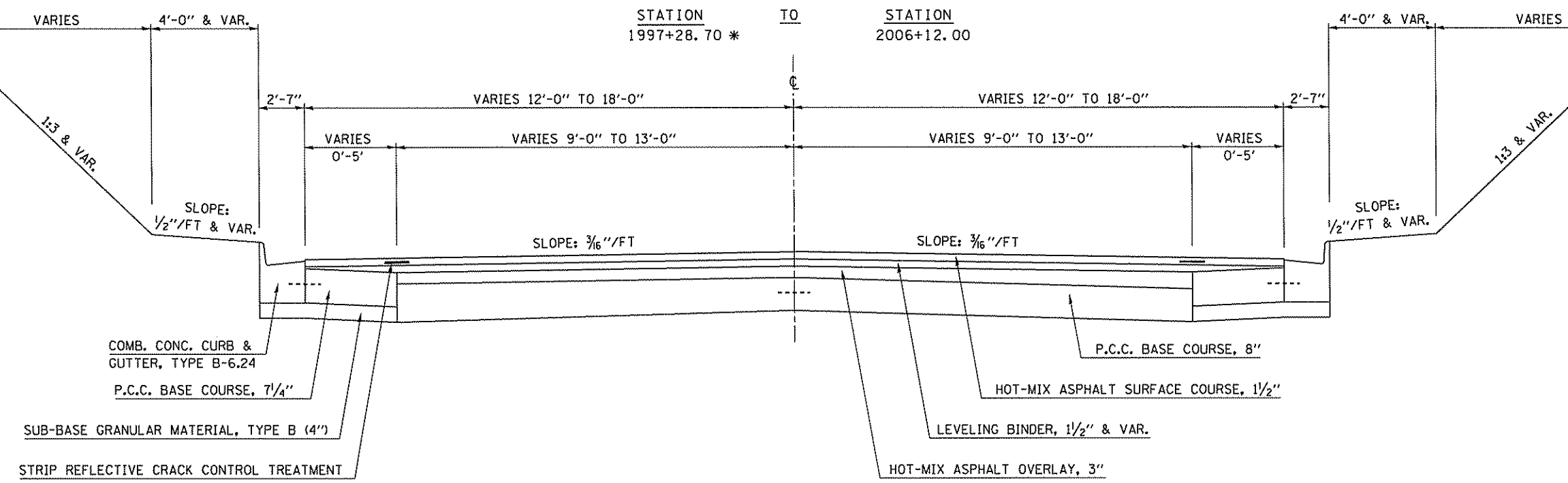
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CONTRACT NO. 70266				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113RS-3	DEWITT	34	10

* STATION EQUATION:
 POT STA 1999+99.88 (IL 54/IL10)
 = PC STA 23+41.00 (IL 10)

EXISTING TYPICAL CROSS SECTION

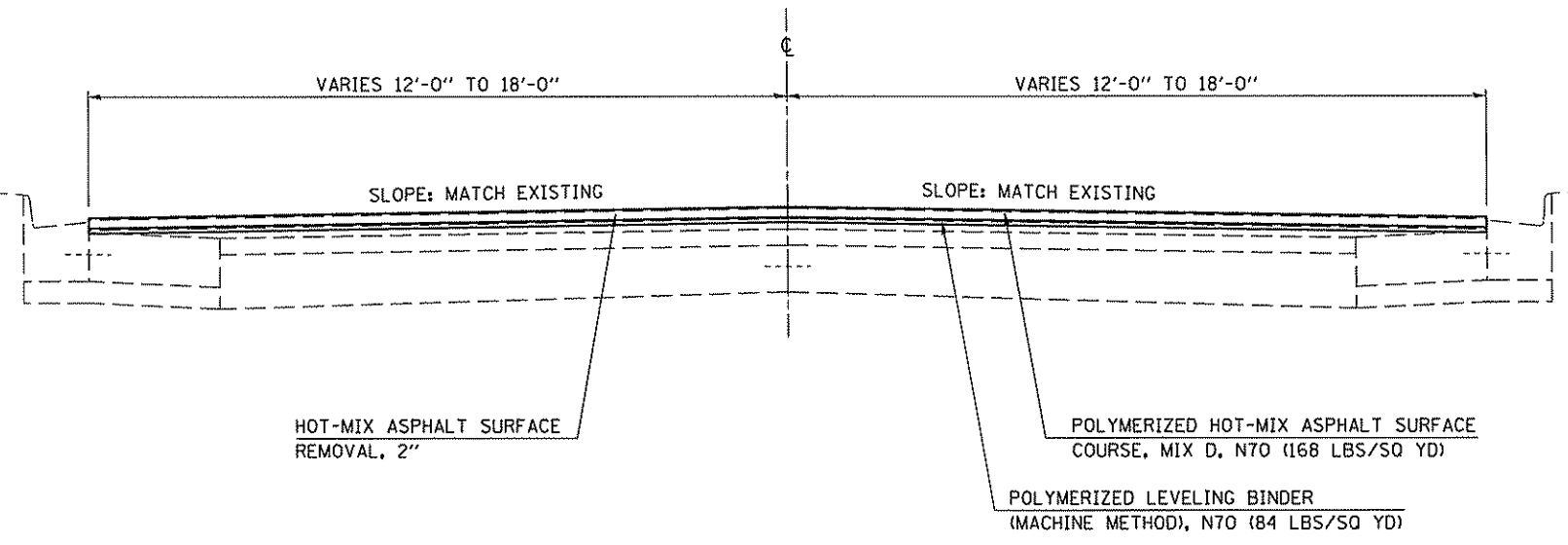
ILLINOIS ROUTE 10 & ROUTE 54
 STATION 1997+28.70 * TO STATION 2006+12.00



5 PROPOSED TYPICAL CROSS SECTION

ILLINOIS ROUTE 10 & ROUTE 54
 STATION 1997+28.70 * TO STATION 2006+12.00 (END IL 10 & 54)

* STATION EQUATION:
 POT STA 1999+99.88 (IL 54/IL10)
 = PC STA 23+41.00 (IL 10)



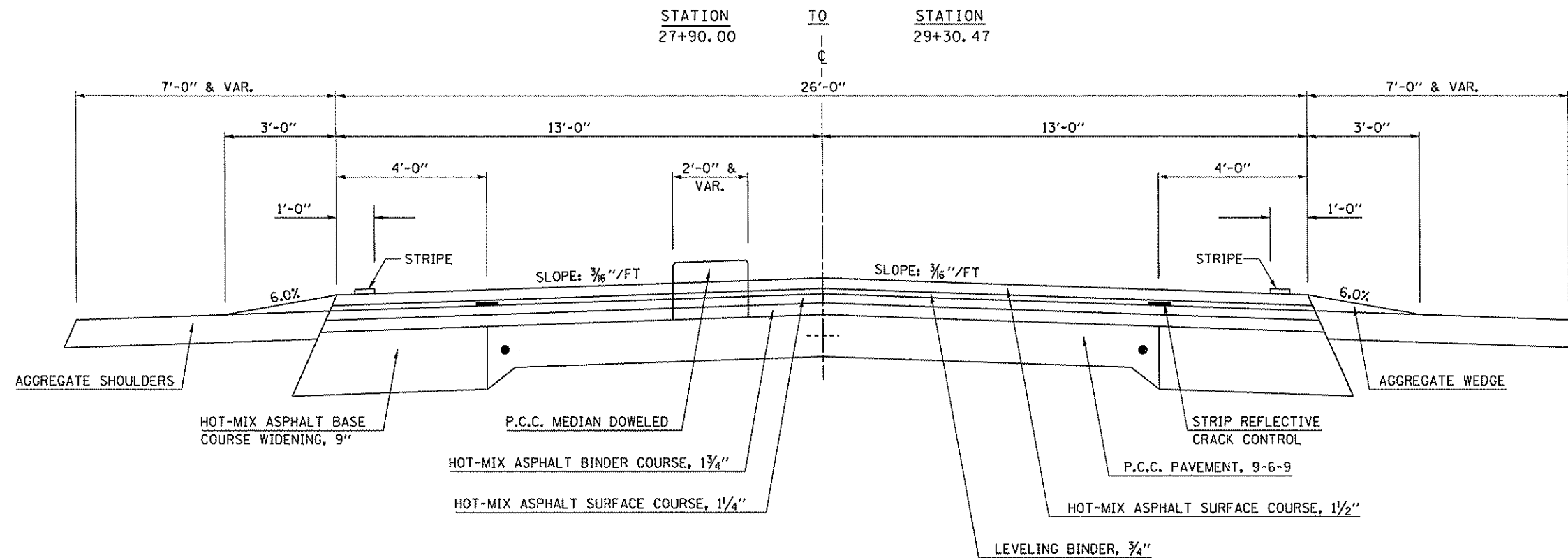
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 FILE NAME = c:\pcc\proj\10568902\101170266\pcc\h3dgn
 USER NAME = collinba

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113RS-3	DEWITT	34	11

CONTRACT NO. 70266

EXISTING TYPICAL CROSS SECTION

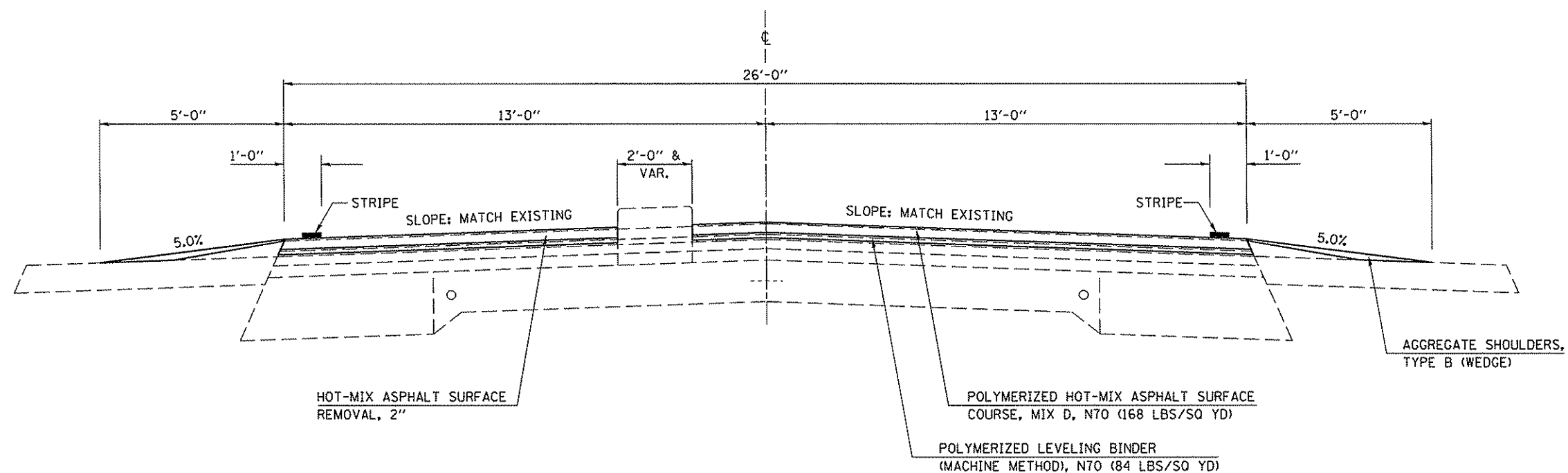
ILLINOIS ROUTE 10



6 PROPOSED TYPICAL CROSS SECTION

ILLINOIS ROUTE 10

STATION 27+90.00 TO STATION 29+30.47
 (BEGIN IL 10) TO (END IL 10)



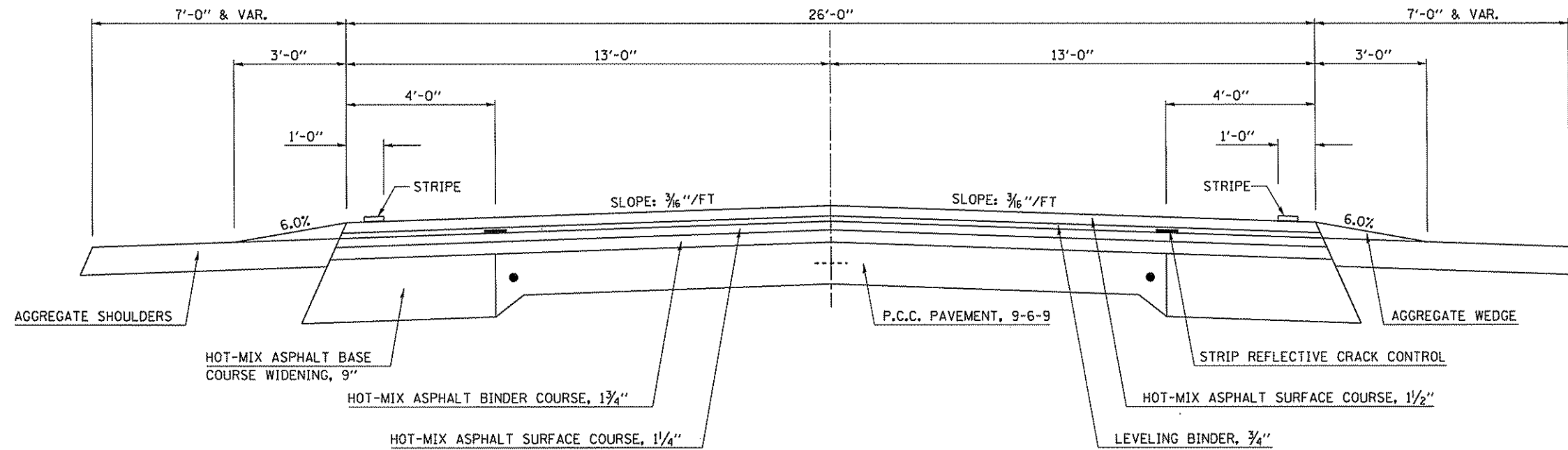
PLOT DATE = 10/17/2007
 PLOT SCALE = 43.300' / IN.
 USER NAME = collin-bv

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113RS-3	DEWITT	34	12

EXISTING TYPICAL CROSS SECTION

ILLINOIS ROUTE 10

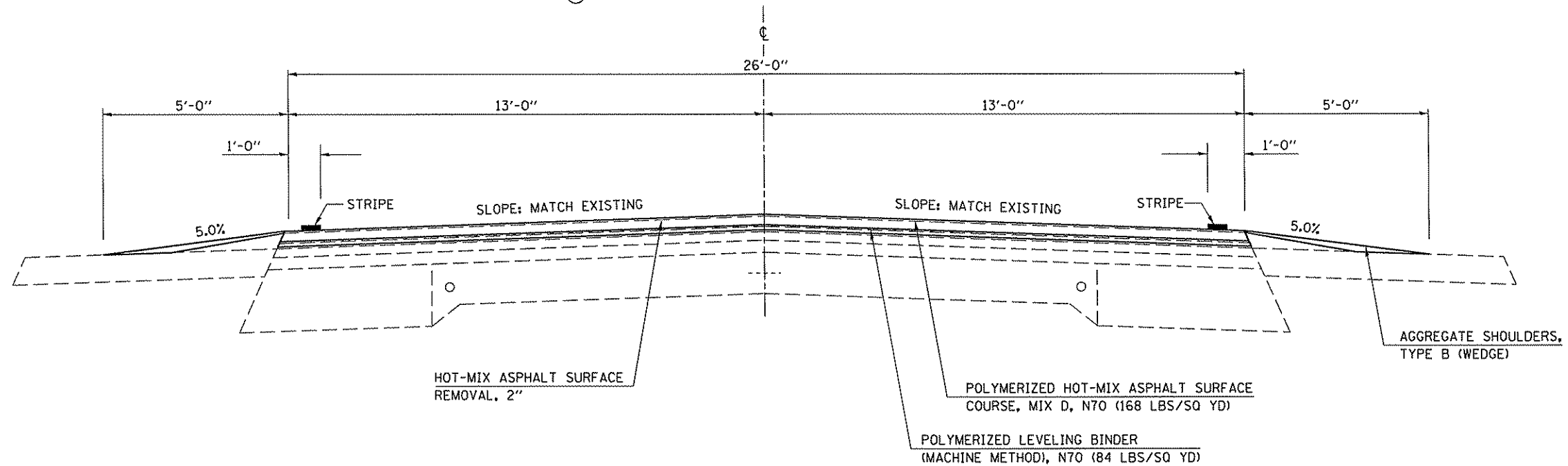
STATION	TO	STATION
29+30.47		42+69.00
57+48.70	€	60+59.40
76+72.00		93+22.40



7 PROPOSED TYPICAL CROSS SECTION

ILLINOIS ROUTE 10

STATION	TO	STATION
⑥ 29+30.47		⑧ 42+69.00
⑦ 57+48.70		⑧ 60+59.40
⑧ 76+72.00		⑧ 93+22.40



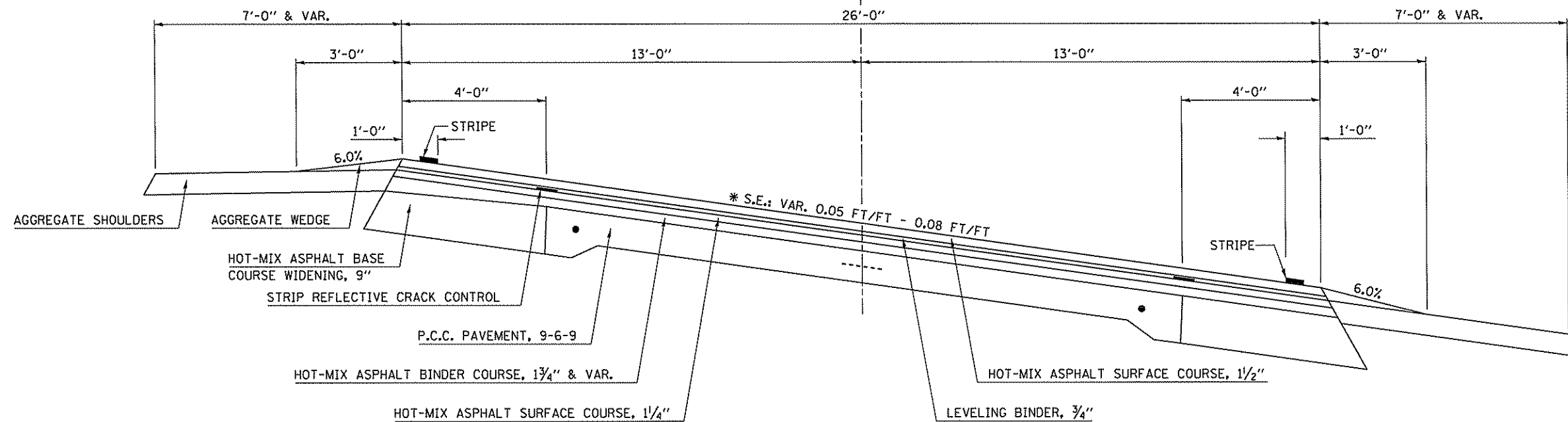
PLOT DATE = 10/21/2007
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 PLOT SCALE = 431.993' / 1" IN.
 USER NAME = collinba

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113RS-3	DEWITT	34	13

EXISTING TYPICAL CROSS SECTION (SUPERELEVATED)

ILLINOIS ROUTE 10

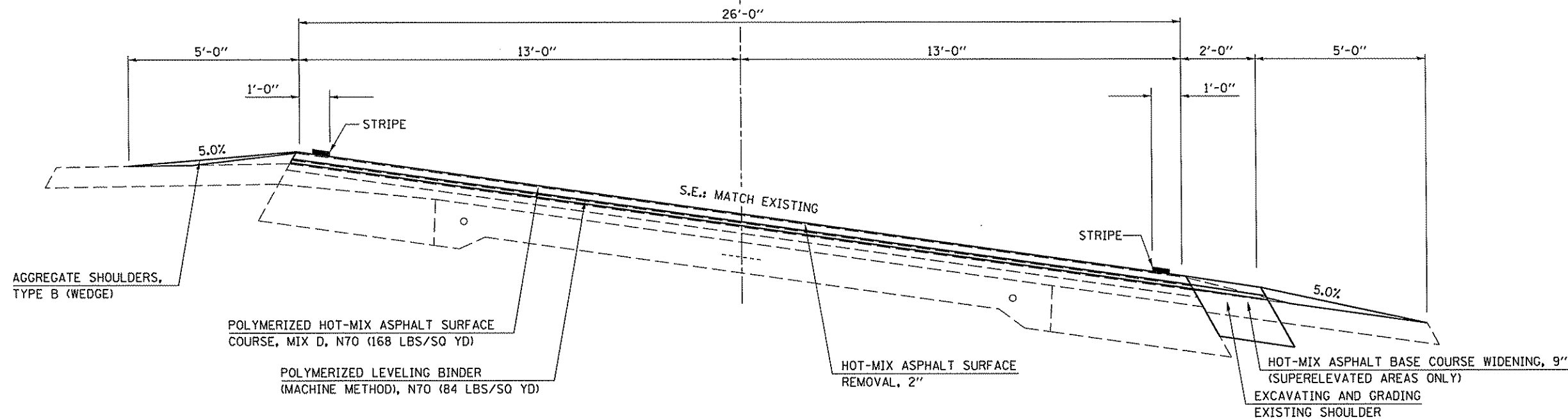
STATION	TO	STATION
42+69.00		57+48.70
60+59.40		76+72.00



8 PROPOSED TYPICAL CROSS SECTION (SUPERELEVATED)

ILLINOIS ROUTE 10

STATION	TO	STATION
⑦ 42+69.00		⑦ 57+48.70
⑦ 60+59.40		⑧ 76+72.00



PLOT DATE = 10/21/2007
 FILE NAME = c:\pwworkspace\70266\103170266.dgn
 PLOT NAME = 103170266.dgn
 USER NAME = collins

SCHEDULES OF QUANTITIES

PAVEMENT MARKING

STATION	TO	STATION	THERMO LETTERS SYMBOLS (SQ FT)	THERMO 4" WHITE (FOOT)	PAINT 4" WHITE (FOOT)	THERMO 4" YELLOW (FOOT)	PAINT 4" YELLOW (FOOT)	THERMO 6" WHITE (FOOT)	THERMO 12" WHITE (FOOT)	THERMO 12" YELLOW (FOOT)	THERMO 24" WHITE (FOOT)
363+38.00		2006+12.00	1170.0	2982.0	--	16496.0	--	652.0	86.0	127.0	217.0
29+30.00		93+22.40	--	--	11988.0	--	5351.0	--	--	--	--
TOTALS =			1170.0	2982.0	11988.0	16496.0	5351.0	652.0	86.0	127.0	217.0

TEMPORARY RAMP

STATION	TO	STATION	SQ YD
361+82.00		361+88.00	15.55
2006+12.00		2006+06.00	14.44
93+16.40		93+22.40	13.33
TOTAL =			44

VALVE BOXES TO BE ADJUSTED

STATION	OFFSET	QUANTITY
1143+03.00	12.5'	1
1147+15.00	8.0'	1
1150+60.00	8.0'	1
1153+63.00	12.0'	1
TOTAL =		4

RAISED REFLECTIVE PAVEMENT MARKERS

STATION	TO	STATION	MON-DIR CRYSTAL EACH	MONO-DIR AMBER EACH	BI-DIR AMBER EACH
363+38.00		1165+02.92	63	--	--
1014+42.00		1998+67.00	--	23	--
362+82.00		2006+12.00	--	--	363
28+00.00		93+22.40	--	--	193
SUB-TOTALS =			63	23	556
TOTAL =			642		

MANHOLES TO BE ADJUSTED

STATION	OFFSET	QUANTITY
1034+77.00	12.0' RT.	1
1141+72.00	13.9' RT.	1
1144+63.50	13.3' RT.	1
1146+60.90	12.3' RT.	1
1148+00.20	12.3' RT.	1
1148+08.00	13.9' RT.	1
1150+30.50	10.6' RT.	1
1154+01.60	12.1' LT.	1
1156+65.50	16.9' LT.	1
1160+38.70	14.5' LT.	1
1163+61.00	0.7' LT.	1
29+28.00	0.0 CL.	1
TOTAL =		4 *

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

STATION	TO	STATION	EACH
362+82.00		2006+12.00	449
29+30.47		93+22.40	193
TOTAL =			642

TRAFFIC BARRIER TERMINAL (SPECIAL)

STATION	TO	STATION	EACH
RT. 1998+39		RT. 1998+67	1
TOTAL =			1

* AS PER PLAN PREPARATION MEMORANDUM 60-11, 30% OF THE MANHOLES WILL BE USED TO ESTABLISH PAY QUANTITY.

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULES OF QUANTITIES

F.A.P. ROUTE 721 (IL 10)
SECTION 113RS-3
DEWITT COUNTY

SCALE: N/A DRAWN BY: CADD
DATE: 08/02/2007 CHECKED BY:

PLOT DATE = 10/12/2007
 FILE NAME = c:\p\projects\113RS-3\113RS-3.dgn
 PLOT SCALE = 1/8" = 1' / IN.
 USER NAME = collinsb

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113RS-3	DEWITT	34	15

SCHEDULES OF QUANTITIES

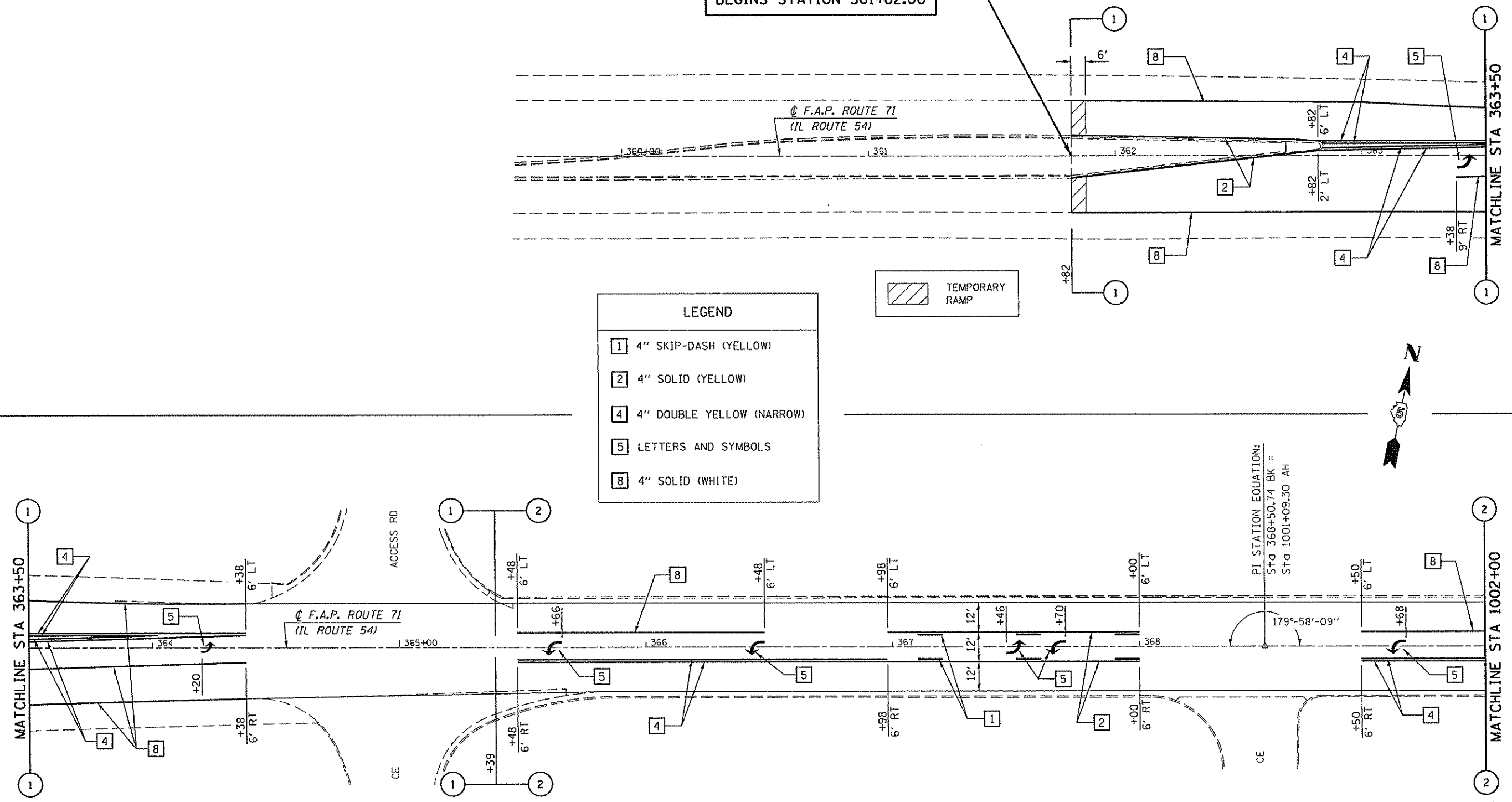
CLASS D PAVEMENT PATCHING							
STATION	DIRECTION	LANE	LENGTH	WIDTH	DEPTH	TYPE II 12.0"	TYPE II 20.0"
			(FT)	(FT)	(INCH)	(SQ YD)	(SQ YD)
362+02	EB	RT	4	14	11.50"	6.2	0.0
362+70	EB	RT	4	12	11.50"	5.3	0.0
363+18	EB	RT	4	12	11.50"	5.3	0.0
363+40	EB	RT	4	12	11.50"	5.3	0.0
367+76	EB	RT	4	18	11.50"	8.0	0.0
363+76	WB	LT	4	18	11.50"	8.0	0.0
1007+23	EB	RT	4	18	11.50"	8.0	0.0
1007+23	WB	LT	4	20	11.50"	8.9	0.0
1007+56	EB	RT	4	18	11.50"	8.0	0.0
1007+56	WB	LT	4	22.5	11.50"	10.0	0.0
1013+19	EB	RT	4	18	11.50"	8.0	0.0
1013+19	WB	LT	4	22.5	11.50"	10.0	0.0
1013+93	WB	RT	4	22.5	11.50"	10.0	0.0
1015+53	EB	RT	4	18	11.50"	8.0	0.0
1015+53	WB	LT	4	18	11.50"	8.0	0.0
1028+40	EB	RT	4	18	11.50"	8.0	0.0
1028+40	WB	LT	4	30	11.50"	13.3	0.0
1034+37	EB	RT	4	18	11.50"	8.0	0.0
1034+37	WB	LT	4	18	11.50"	8.0	0.0
1035+33	EB	RT	4	18	11.50"	8.0	0.0
1035+33	WB	LT	4	18	11.50"	8.0	0.0
1142+47	EB	RT	4	18	11.50"	8.0	0.0
1142+47	WB	LT	4	18	11.50"	8.0	0.0
1159+70	EB	RT	4	18	11.50"	8.0	0.0
1159+70	WB	LT	4	18	11.50"	8.0	0.0
1165+30	EB	RT	4	18	11.50"	8.0	0.0
1165+30	WB	LT	4	18	11.50"	8.0	0.0
1167+34	EB	RT	4	18	11.50"	8.0	0.0
1167+34	WB	LT	4	18	11.50"	8.0	0.0
1999+68	EB	RT	4	13	19.75"	0.0	5.8
1999+68	WB	LT	4	13	19.75"	0.0	5.8
TOTALS						234.4 (SQ YD)	11.6 (SQ YD)

PLOT DATE : 10/20/2007
 PLOT NAME : I:\projects\113RS-3\113RS-3.dwg
 PLOT SCALE : 43.3091' / IN.
 USER NAME : collierb

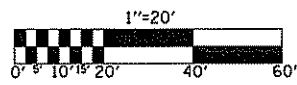
ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULES OF QUANTITIES
 F.A.P. ROUTE 721 (IL 10)
 SECTION 113RS-3
 DEWITT COUNTY
 SCALE: N/A
 DATE: 08/02/2007
 DRAWN BY: CADD
 CHECKED BY:

CONTRACT NO. 70266				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113RS-3	DEWITT	34	16
STA. 360+00		TO STA. 1002+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SECTION 113RS-3
BEGINS STATION 361+82.00



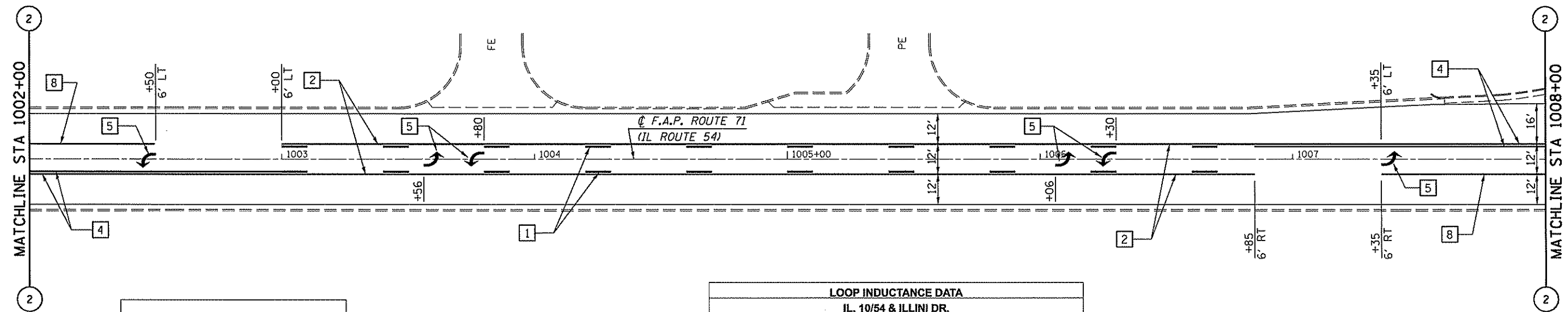
LEGEND	
1	4" SKIP-DASH (YELLOW)
2	4" SOLID (YELLOW)
4	4" DOUBLE YELLOW (NARROW)
5	LETTERS AND SYMBOLS
8	4" SOLID (WHITE)



ILLINOIS DEPARTMENT OF TRANSPORTATION
**PLAN, PAVEMENT MARKING
 & SIGNAL LOOP DETAILS**
 F.A.P. ROUTE 721 (IL 54)
 SECTION 113RS-3
 DEWITT COUNTY

SCALE: 1" = 20'
 DATE: 06/05/07
 DRAWN BY: JRP
 CHECKED BY:

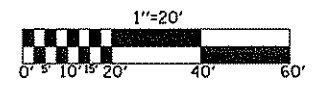
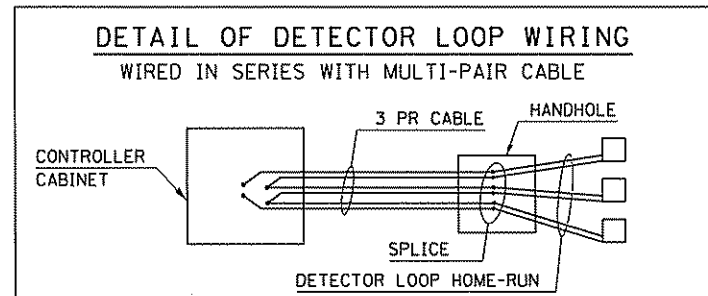
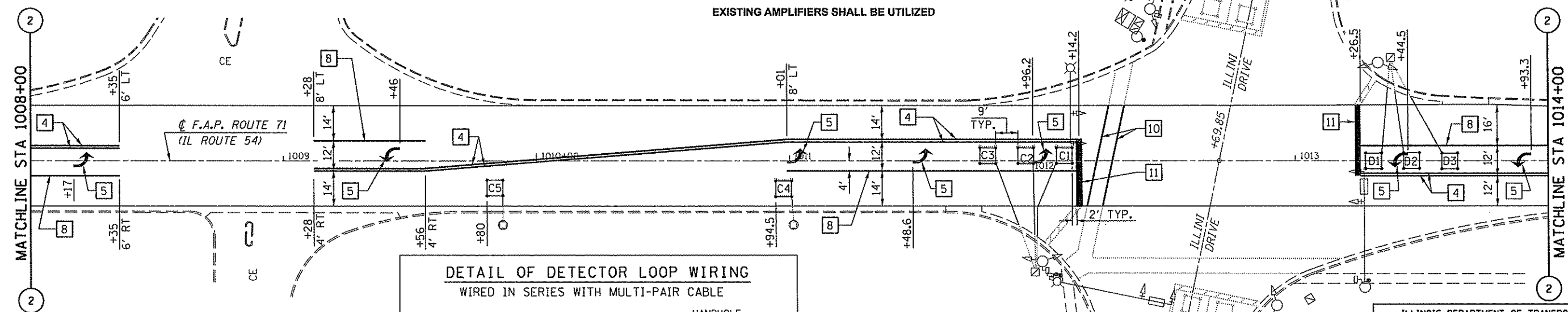
PLT DATE = 10/9/2007
 FILE NAME = c:\pwork\113rs3\113rs3plan.dgn
 USER NAME = collins



LEGEND	
1	4" SKIP-DASH (YELLOW)
2	4" SOLID (YELLOW)
4	4" DOUBLE YELLOW (NARROW)
5	LETTERS AND SYMBOLS
8	4" SOLID (WHITE)

LOOP INDUCTANCE DATA				
IL. 10/54 & ILLINI DR.				
Loop	Length	Width	Number of Turns	Delay (sec.)
C1-3	6	6	4	-
C4	6	6	4	-
C5	6	6	5	-
D1-3	6	6	4	-
D4	6	6	4	-
D5	6	6	6	-

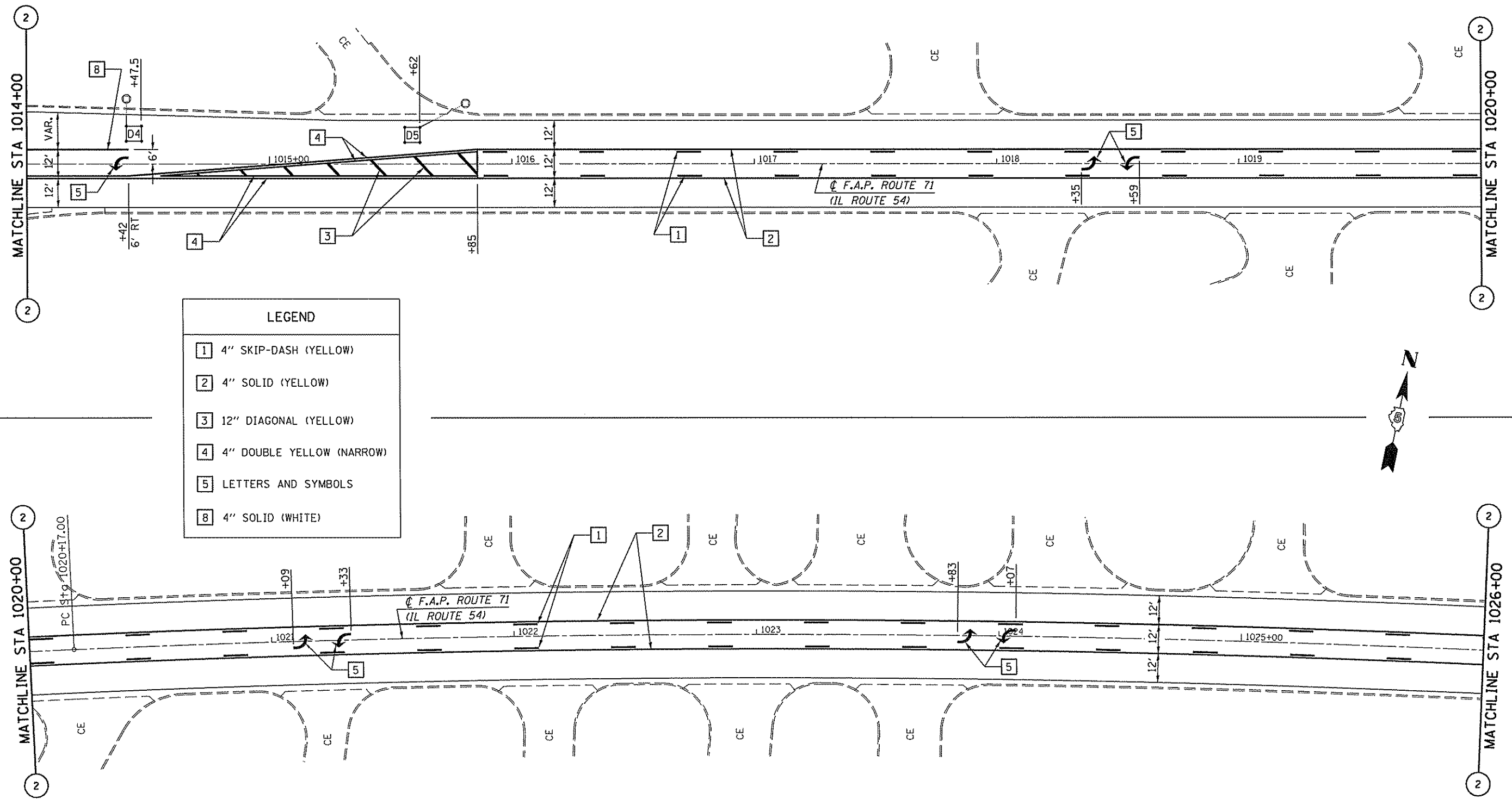
THE FOLLOWING LOOPS SHALL BE WIRED TO COMMON AMPLIFIERS: (C1-3), (C4), (C5), (D1-3), (D4), (D5)
EXISTING AMPLIFIERS SHALL BE UTILIZED



ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN, PAVEMENT MARKING & SIGNAL LOOP DETAILS
 F.A.P. ROUTE 721 (IL 54)
 SECTION 113RS-3
 DEWITT COUNTY
 SCALE: 1" = 20'
 DATE: 06/05/07
 DRAWN BY: JRP
 CHECKED BY:

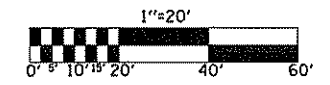
PLOT DATE = 10/20/2007
 FILE NAME = c:\pwork\113rs\113rs_721.dwg
 PLOT SCALE = 1/4" = 1' / IN.
 USER NAME = collinbr

CONTRACT NO. 70266			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
721	113RS-3	DEWITT	34
STA. 1014+00		TO STA. 1026+00	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



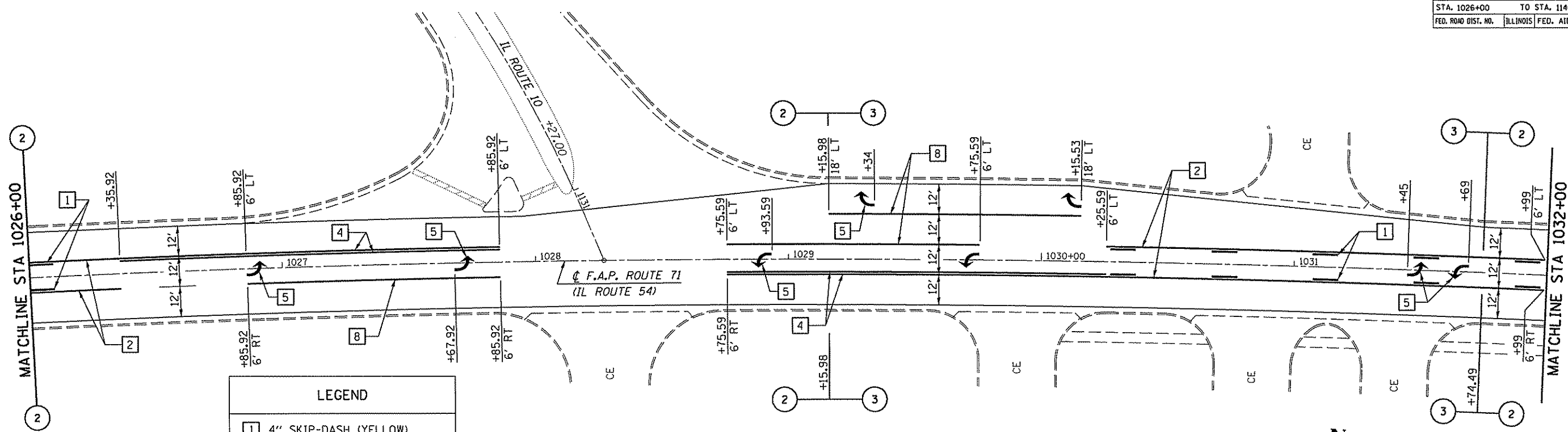
LEGEND	
1	4" SKIP-DASH (YELLOW)
2	4" SOLID (YELLOW)
3	12" DIAGONAL (YELLOW)
4	4" DOUBLE YELLOW (NARROW)
5	LETTERS AND SYMBOLS
8	4" SOLID (WHITE)

PLOT DATE = 10/21/2007
 FILE NAME = I:\Projects\70266\70266.dwg
 PLOT SCALE = 431.9917 IN.
 USER NAME = collierbw

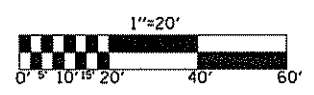
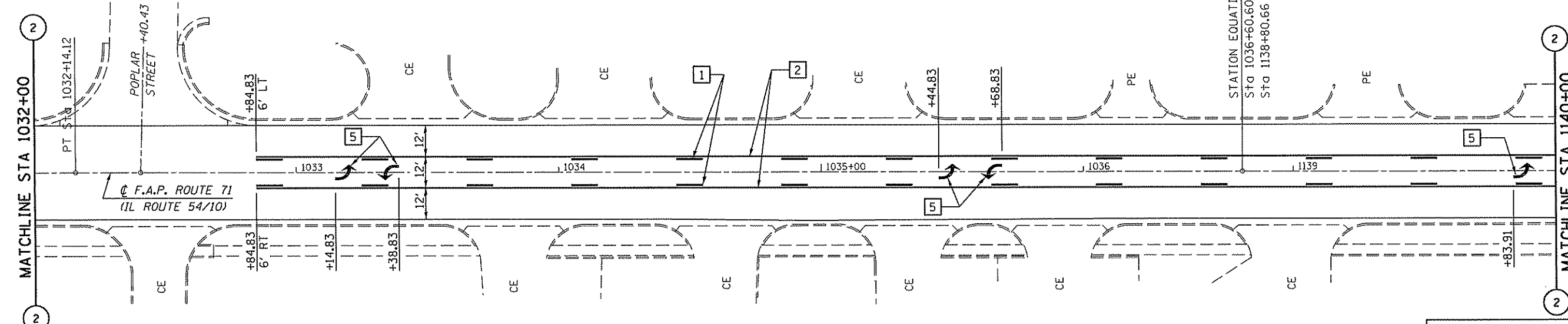


ILLINOIS DEPARTMENT OF TRANSPORTATION
**PLAN, PAVEMENT MARKING
 & SIGNAL LOOP DETAILS**
 F.A.P. ROUTE 721 (IL 54)
 SECTION 113RS-3
 DEWITT COUNTY
 SCALE: 1" = 20'
 DATE: 05/05/07
 DRAWN BY: JRP
 CHECKED BY:

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113RS-3	DEWITT	34	19
STA. 1026+00		TO STA. 1140+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



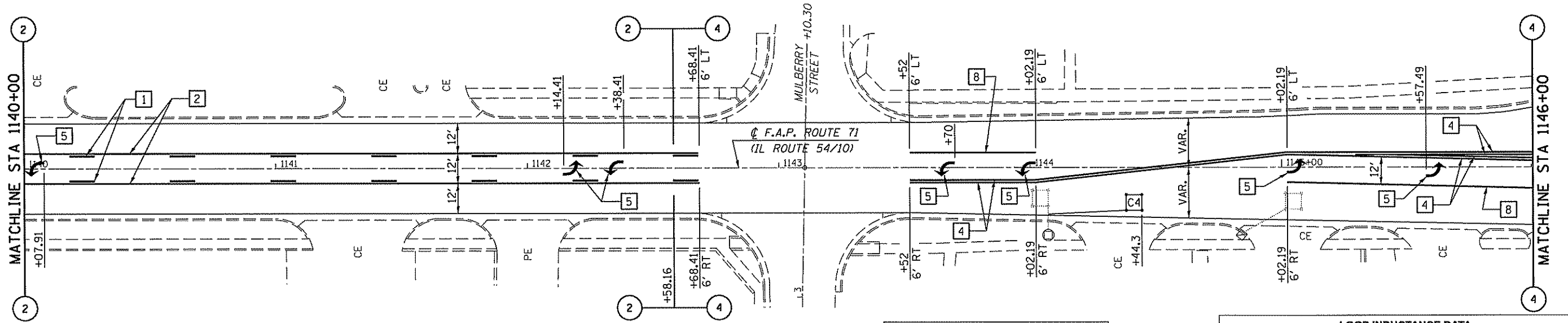
LEGEND	
1	4" SKIP-DASH (YELLOW)
2	4" SOLID (YELLOW)
4	4" DOUBLE YELLOW (NARROW)
5	LETTERS AND SYMBOLS
8	4" SOLID (WHITE)



ILLINOIS DEPARTMENT OF TRANSPORTATION
**PLAN, PAVEMENT MARKING
 & SIGNAL LOOP DETAILS**
 F.A.P. ROUTE 721 (IL 54)
 SECTION 113RS-3
 DEWITT COUNTY

SCALE: 1" = 20'
 DATE: 06/05/07
 DRAWN BY: JRP
 CHECKED BY:

PLOT DATE = 10/19/2007
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 USER NAME = cdliller



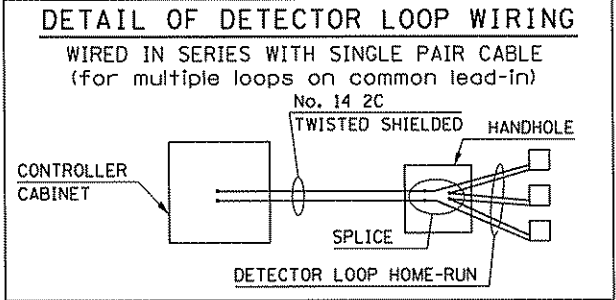
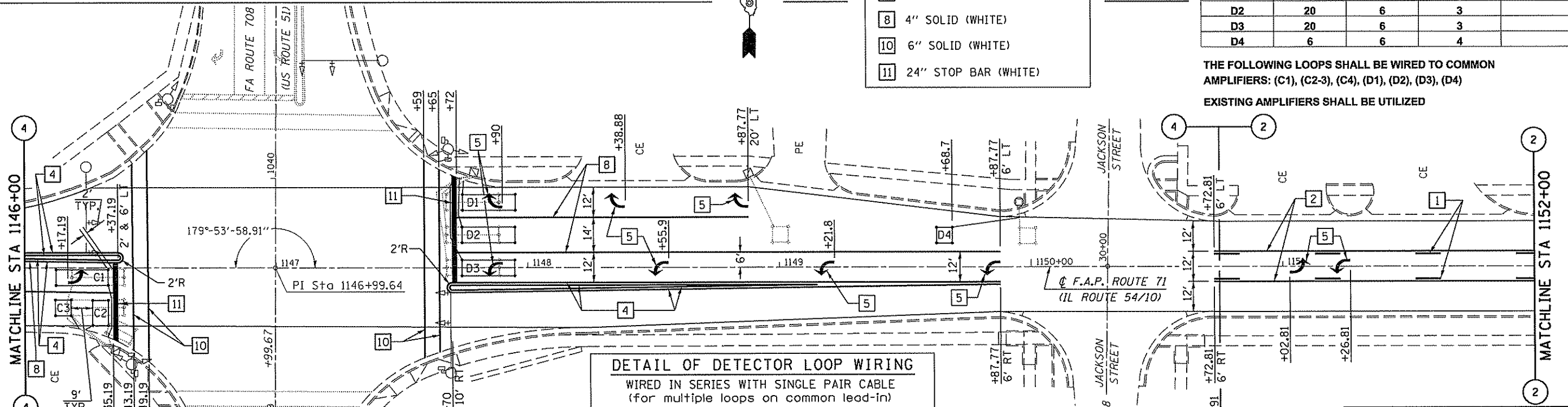
LEGEND

- 1 4" SKIP-DASH (YELLOW)
- 2 4" SOLID (YELLOW)
- 4 4" DOUBLE YELLOW (NARROW)
- 5 LETTERS AND SYMBOLS
- 8 4" SOLID (WHITE)
- 10 6" SOLID (WHITE)
- 11 24" STOP BAR (WHITE)

LOOP INDUCTANCE DATA
IL 10/54 & U.S. 51 (GRANT ST.)

Loop	Length	Width	Number of Turns	Delay (sec.)
C1	20	6	3	
C2	6	10	3	10
C3	6	6	3	10
C4	6	6	4	
D1	20	6	3	10
D2	20	6	3	
D3	20	6	3	
D4	6	6	4	

THE FOLLOWING LOOPS SHALL BE WIRED TO COMMON AMPLIFIERS: (C1), (C2-3), (C4), (D1), (D2), (D3), (D4)
EXISTING AMPLIFIERS SHALL BE UTILIZED

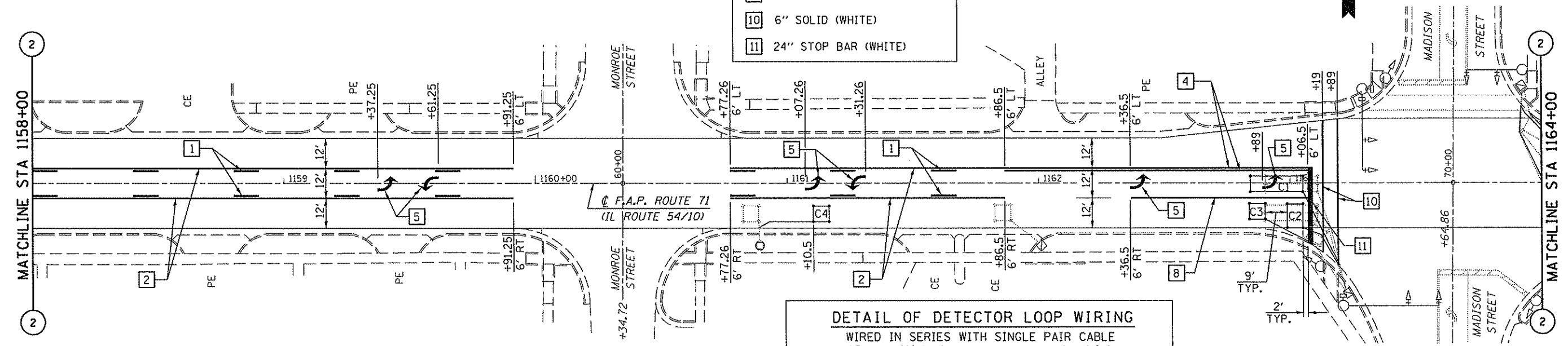
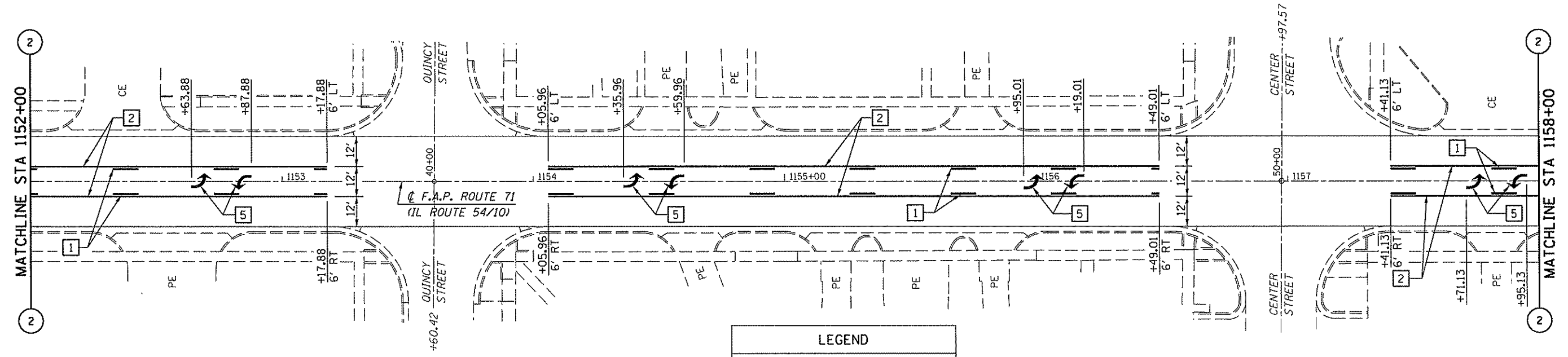


ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN, PAVEMENT MARKING & SIGNAL LOOP DETAILS
F.A.P. ROUTE 721 (IL 54)
SECTION 113RS-3
DEWITT COUNTY

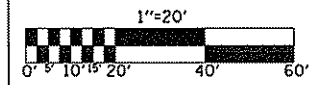
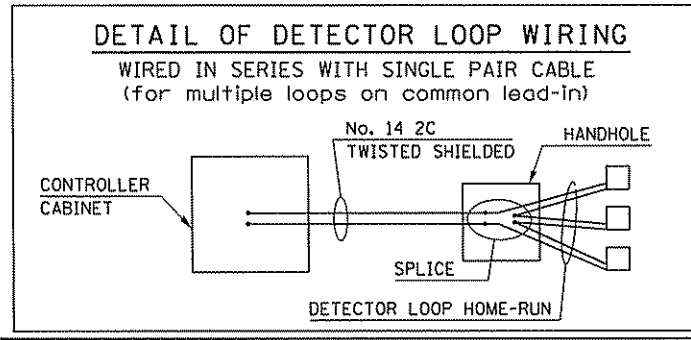
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DATE: 06/05/07
DRAWN BY: JRP
CHECKED BY:

PLOT DATE = 10/14/2007
FILE NAME = c:\pavement\plan\114600.dgn
USER NAME = collierba

CONTRACT NO. 70266				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113RS-3	DEWITT	34	21
STA. 1152+00		TO STA. 1164+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



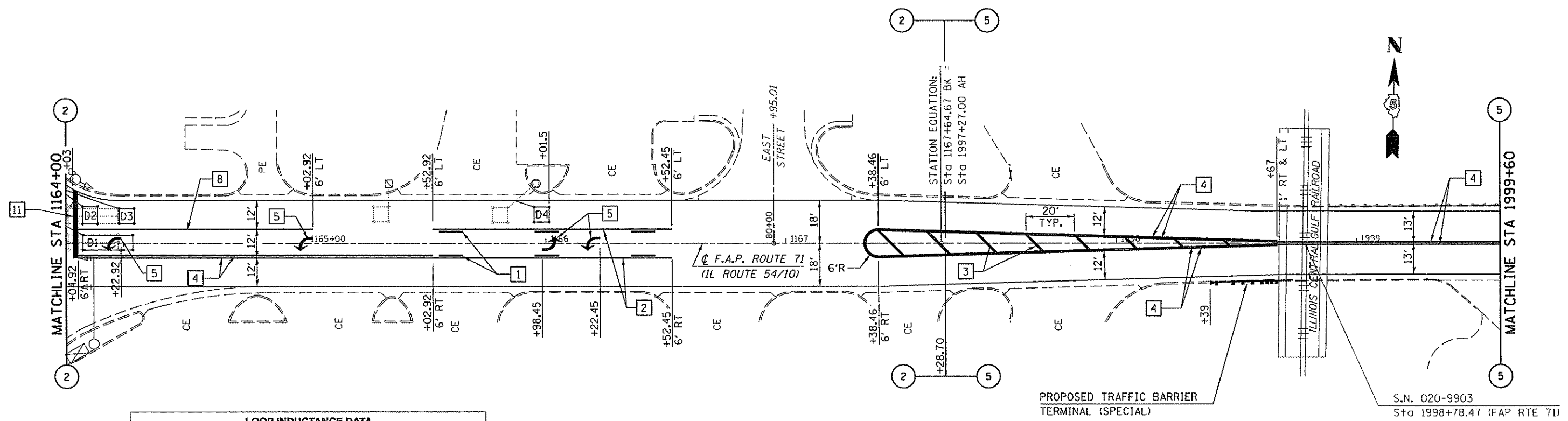
LEGEND	
1	4" SKIP-DASH (YELLOW)
2	4" SOLID (YELLOW)
4	4" DOUBLE YELLOW (NARROW)
5	LETTERS AND SYMBOLS
8	4" SOLID (WHITE)
10	6" SOLID (WHITE)
11	24" STOP BAR (WHITE)



ILLINOIS DEPARTMENT OF TRANSPORTATION
**PLAN, PAVEMENT MARKING
& SIGNAL LOOP DETAILS**
F.A.P. ROUTE 721 (IL 54)
SECTION 113RS-3
DEWITT COUNTY

SCALE: 1" = 20'
DATE: 06/05/07
DRAWN BY: JRP
CHECKED BY:

PLOT DATE = 10/14/2007
PLOT SCALE = 1/4" = 10'
USER NAME = collierbw

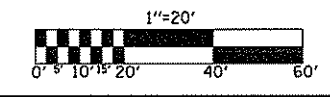


LOOP INDUCTANCE DATA				
IL. 10/54 & Madison St.				
Loop	Length	Width	Number of Turns	Delay (sec.)
C1	20	6	3	
C2	6	9.5	3	10
C3	6	6	3	10
C4	6	6	4	
D1	20	6	3	
D2,D3	6	6	3	10
D4	6	6	4	

THE FOLLOWING LOOPS SHALL BE WIRED TO COMMON AMPLIFIERS: (C1), (C2-3), (C4), (D1), (D2-3), (D,4)

EXISTING AMPLIFIERS SHALL BE UTILIZED

LEGEND	
1	4" SKIP-DASH (YELLOW)
2	4" SOLID (YELLOW)
3	12" DIAGONAL (YELLOW)
4	4" DOUBLE YELLOW (NARROW)
5	LETTERS AND SYMBOLS
8	4" SOLID (WHITE)
11	24" STOP BAR (WHITE)

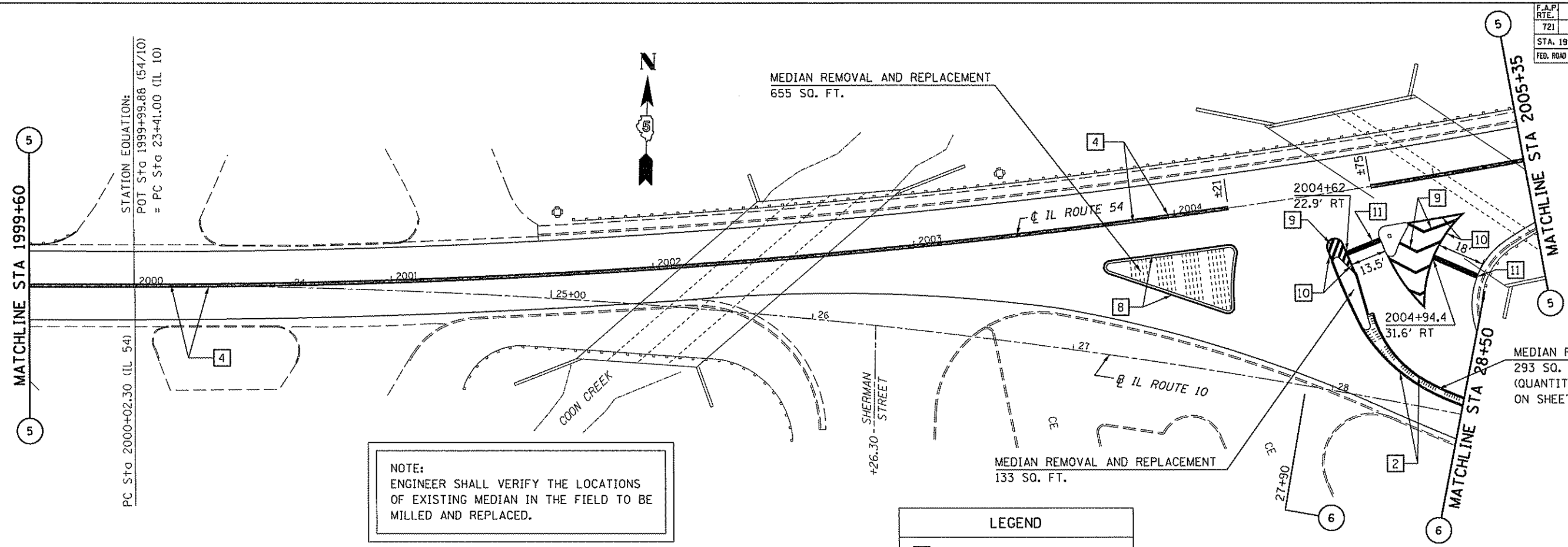


ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN, PAVEMENT MARKING & SIGNAL LOOP DETAILS
 F.A.P. ROUTE 721 (IL 54)
 SECTION 113RS-3
 DEWITT COUNTY

SCALE: 1" = 20'
 DATE: 06/05/07
 DRAWN BY: JRP
 CHECKED BY:

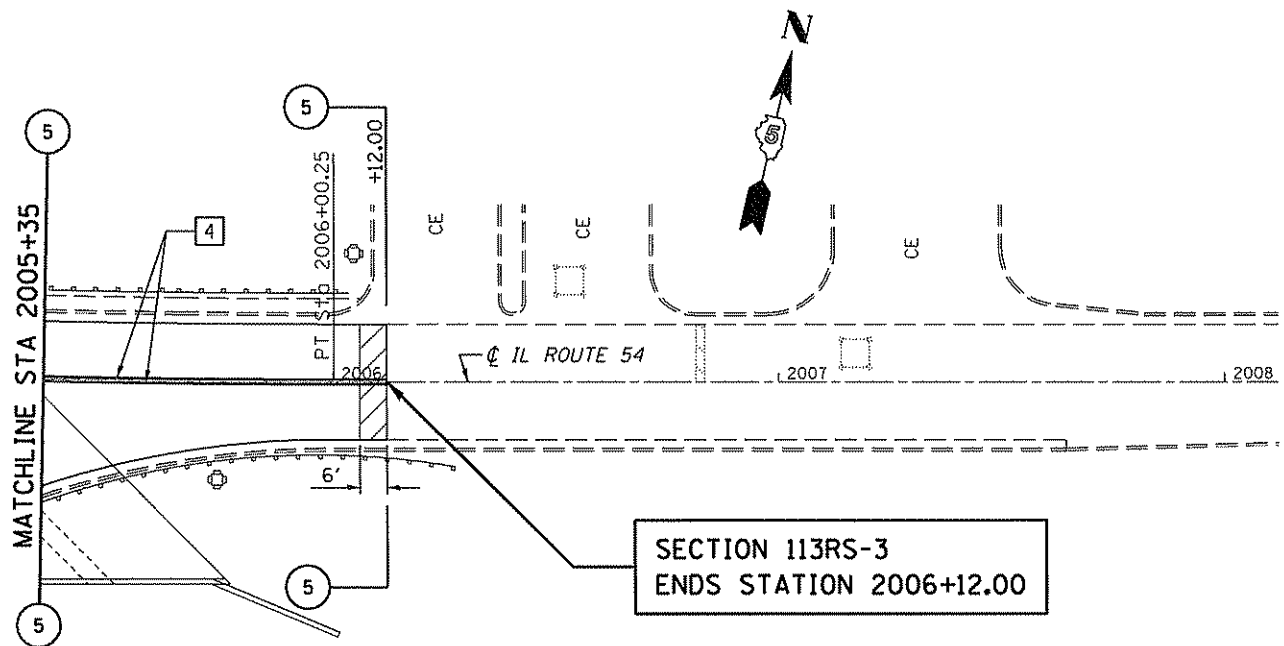
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 USER NAME = collinsb

CONTRACT NO. 70266			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
721	113RS-3	DEWITT	34
STA. 1999+60		TO STA. 2005+00 / 28+50	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	



NOTE:
ENGINEER SHALL VERIFY THE LOCATIONS
OF EXISTING MEDIAN IN THE FIELD TO BE
MILLED AND REPLACED.

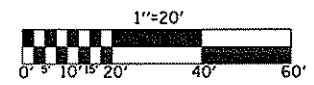
LEGEND	
2	4" SOLID (YELLOW)
4	4" DOUBLE YELLOW (NARROW)
8	4" SOLID (WHITE)
9	12" DIAGONAL (WHITE)
10	6" SOLID (WHITE)
11	24" STOP BAR (WHITE)



SECTION 113RS-3
ENDS STATION 2006+12.00

TEMPORARY RAMP

PLT DATE = 10/21/2007
FILE NAME = 113RS-3.dwg
PLOT SCALE = 1/8" = 20'
USER NAME = collierb

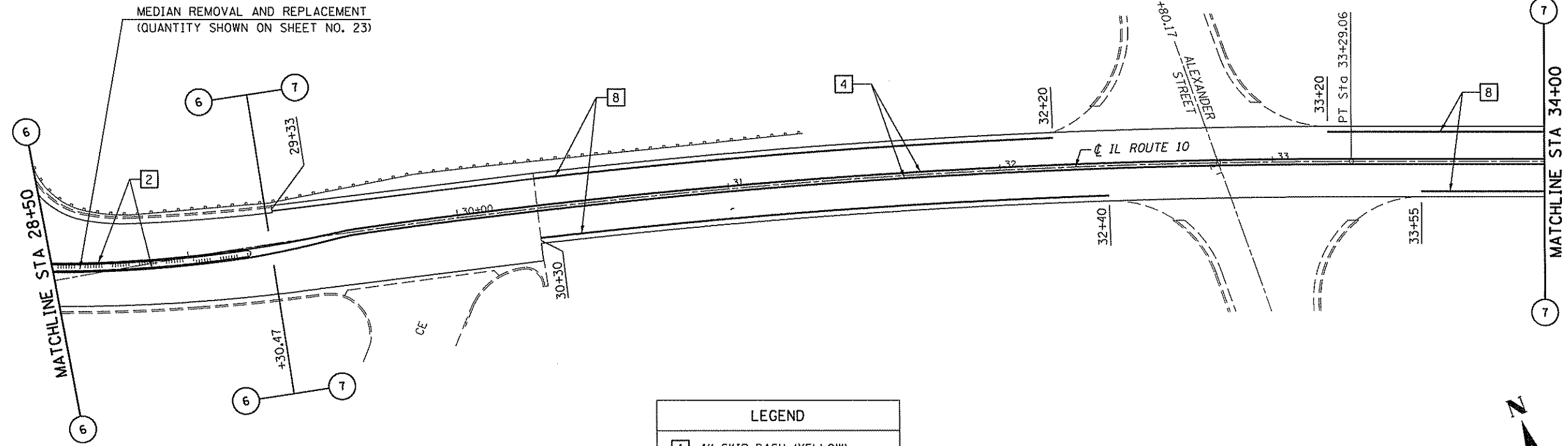


ILLINOIS DEPARTMENT OF TRANSPORTATION
**PLAN, PAVEMENT MARKING
& SIGNAL LOOP DETAILS**
F.A.P. ROUTE 721 (IL 54)
SECTION 113RS-3
DEWITT COUNTY

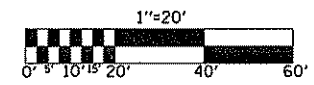
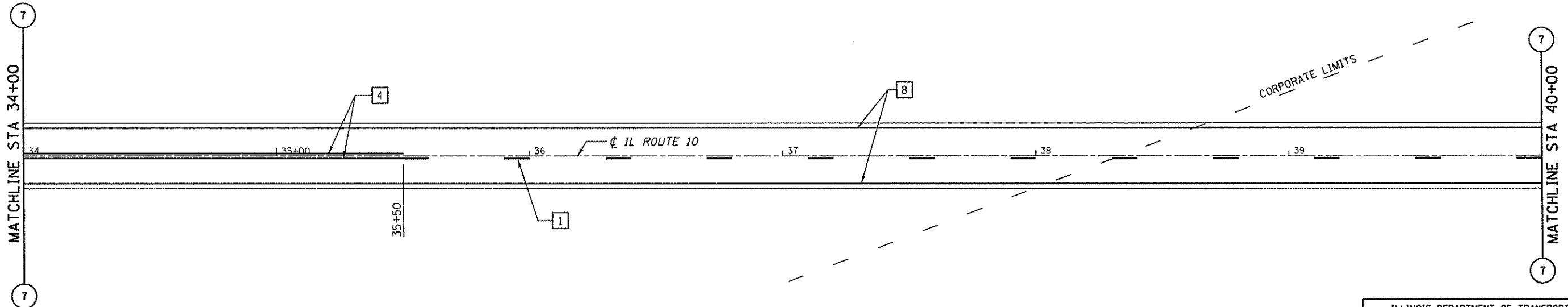
SCALE: 1" = 20'
DATE: 05/05/07

DRAWN BY: JRP
CHECKED BY:

CONTRACT NO. 70266				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113RS-3	DEWITT	34	24
STA. 28+50		TO STA. 40+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND	
1	4" SKIP-DASH (YELLOW)
2	4" SOLID (YELLOW)
4	4" DOUBLE YELLOW (NARROW)
8	4" SOLID (WHITE)



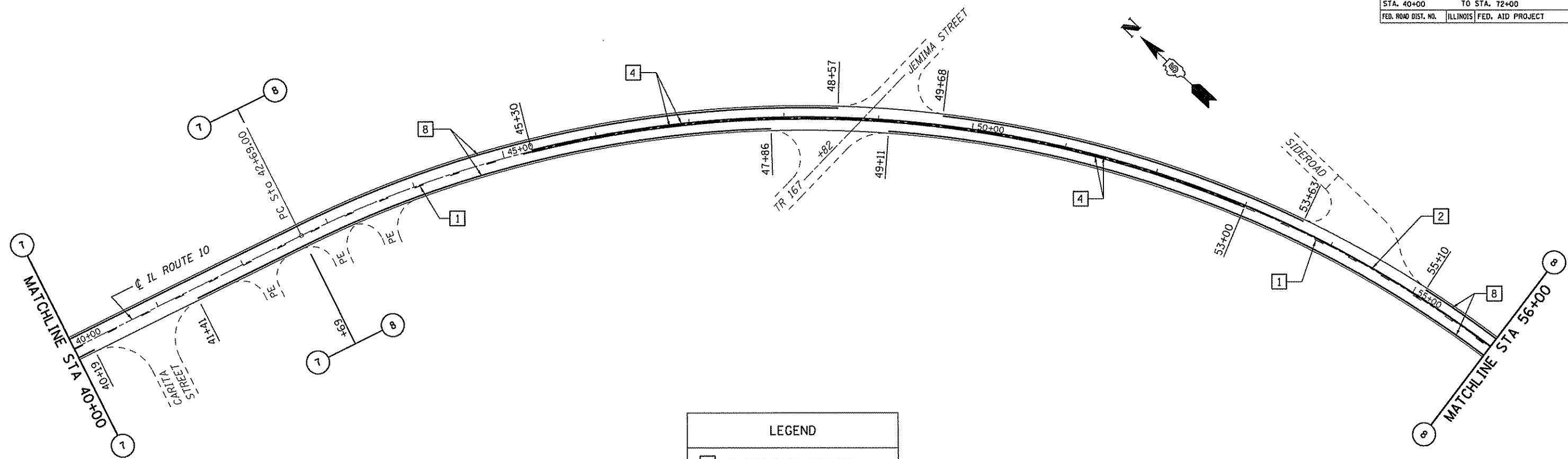
ILLINOIS DEPARTMENT OF TRANSPORTATION
**PLAN, PAVEMENT MARKING
 & SIGNAL LOOP DETAILS**
 F.A.P. ROUTE 721 (IL 54)
 SECTION 113RS-3
 DEWITT COUNTY

SCALE: 1" = 20'
 DATE: 06/05/07

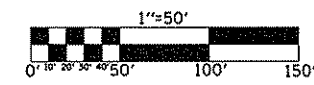
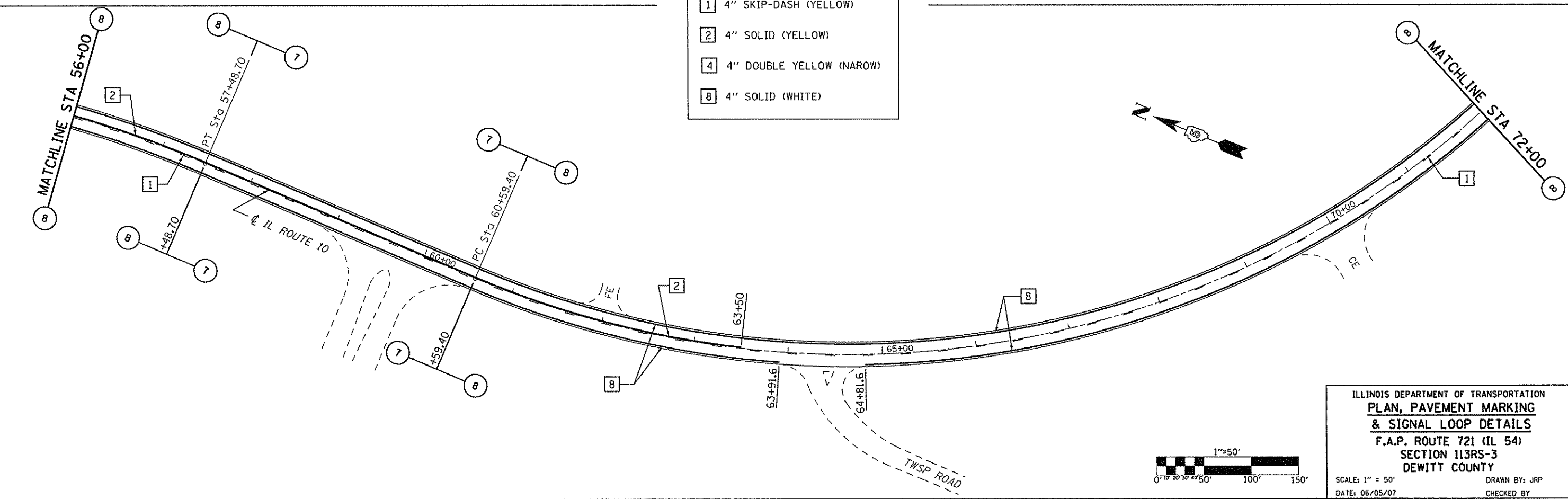
DRAWN BY: JRP
 CHECKED BY:

PLOT DATE = 10/21/2007
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 PLOT SCALE = 1/4" = 10' / IN.
 USER NAME = collinsb

CONTRACT NO. 70266				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113RS-3	DEWITT	34	25
STA. 40+00		TO STA. 72+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND	
1	4" SKIP-DASH (YELLOW)
2	4" SOLID (YELLOW)
4	4" DOUBLE YELLOW (NARROW)
8	4" SOLID (WHITE)



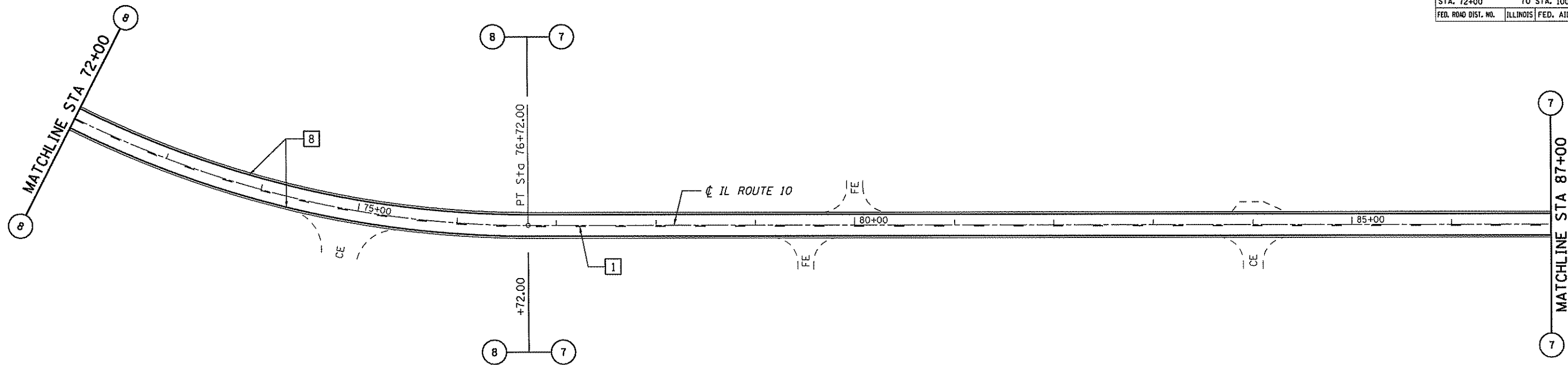
ILLINOIS DEPARTMENT OF TRANSPORTATION
**PLAN, PAVEMENT MARKING
 & SIGNAL LOOP DETAILS**
 F.A.P. ROUTE 721 (IL 54)
 SECTION 113RS-3
 DEWITT COUNTY

SCALE: 1" = 50'
 DATE: 06/05/07

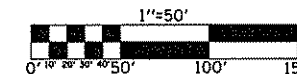
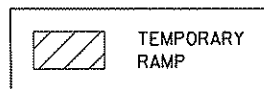
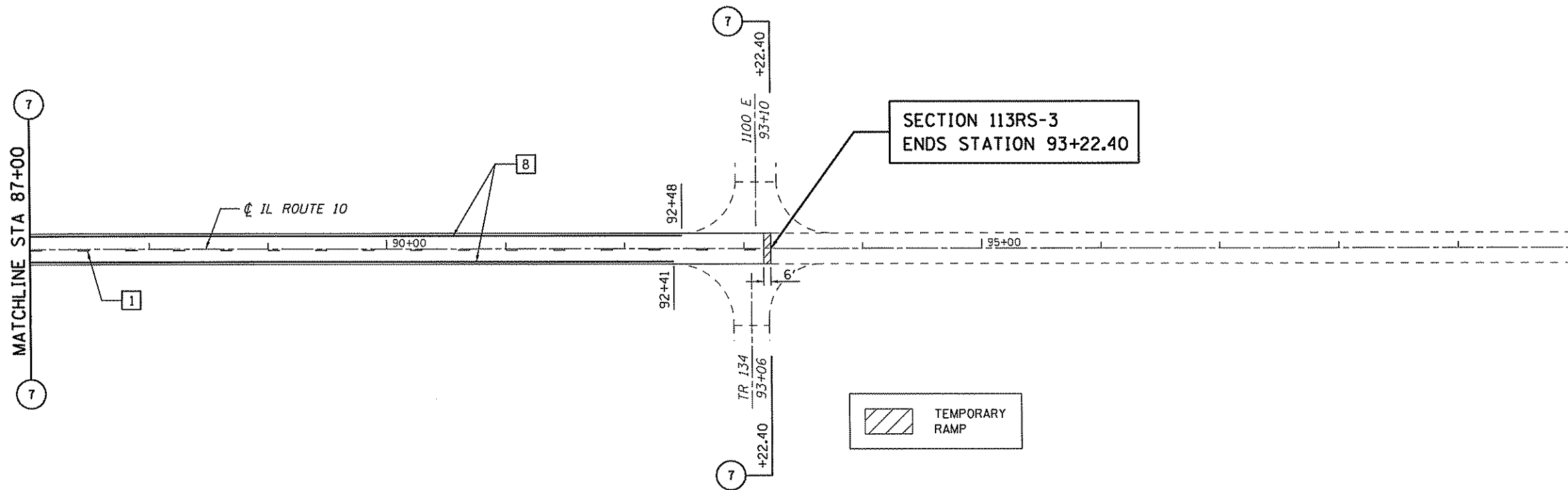
DRAWN BY: JRP
 CHECKED BY:

PLOT DATE = 10/12/07
 PLOT SCALE = 1/8" = 100'
 USER NAME = collinbw

CONTRACT NO. 70266				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113RS-3	DEWITT	34	26
STA. 72+00		TO STA. 100+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND	
1	4" SKIP-DASH (YELLOW)
8	4" SOLID (WHITE)



ILLINOIS DEPARTMENT OF TRANSPORTATION
**PLAN, PAVEMENT MARKING
 & SIGNAL LOOP DETAILS**
 F.A.P. ROUTE 721 (IL 54)
 SECTION 113RS-3
 DEWITT COUNTY

SCALE: 1" = 50'
 DATE: 06/05/07

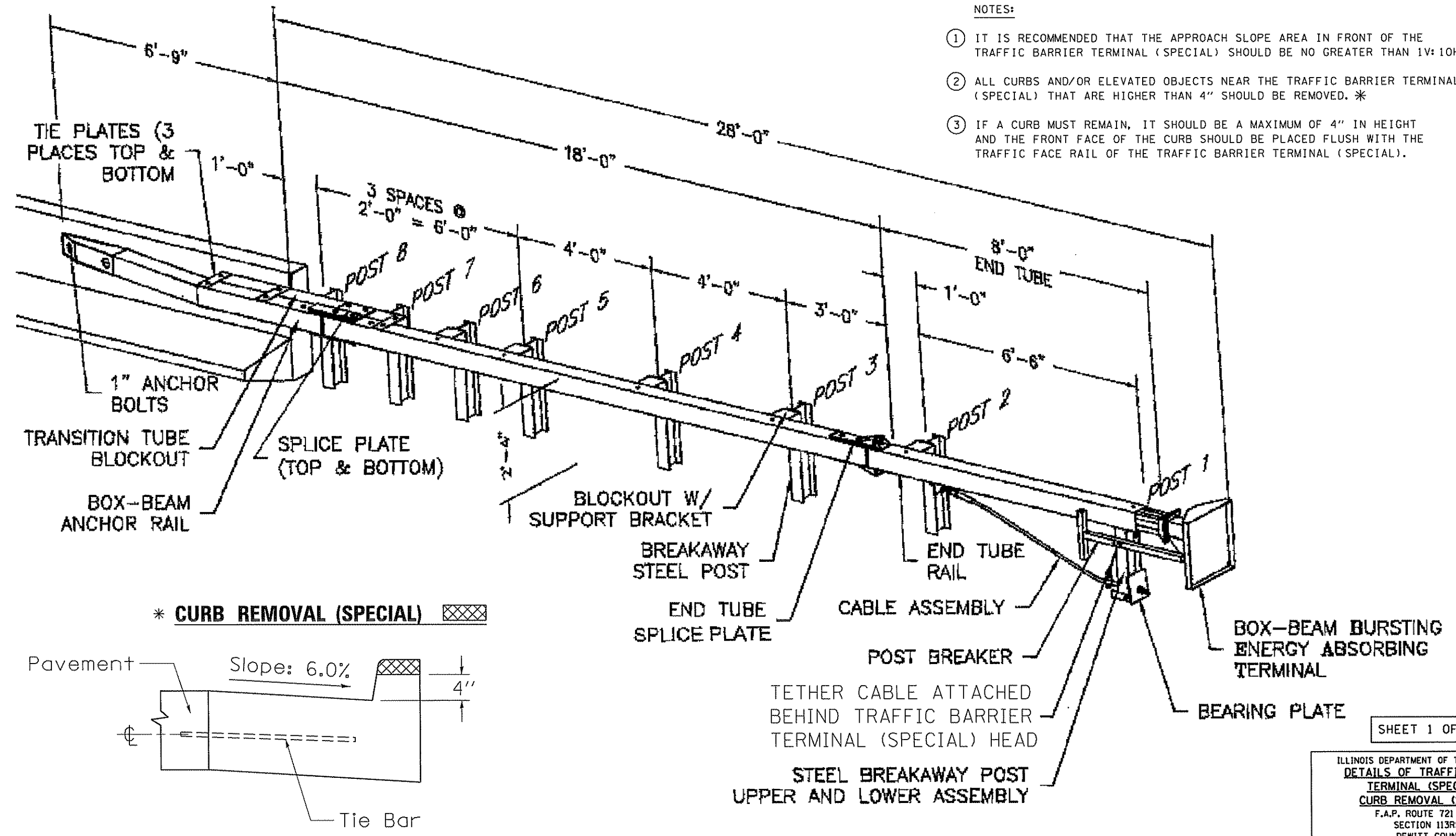
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PLOT DATE = 10/24/2007
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 USER NAME = collinba

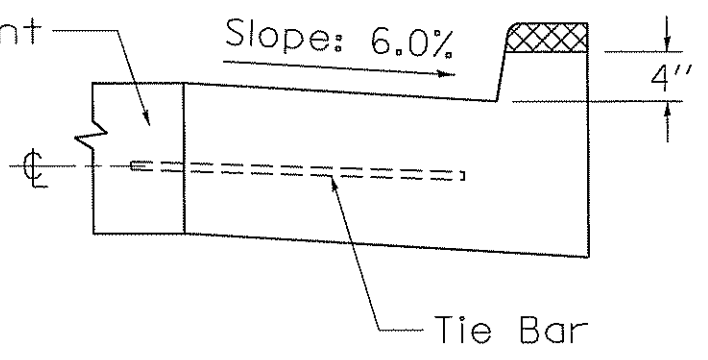
ISOMETRIC VIEW OF THE TRAFFIC BARRIER TERMINAL (SPECIAL)

NOTES:

- ① IT IS RECOMMENDED THAT THE APPROACH SLOPE AREA IN FRONT OF THE TRAFFIC BARRIER TERMINAL (SPECIAL) SHOULD BE NO GREATER THAN 1V: 10H.
- ② ALL CURBS AND/OR ELEVATED OBJECTS NEAR THE TRAFFIC BARRIER TERMINAL (SPECIAL) THAT ARE HIGHER THAN 4" SHOULD BE REMOVED. *
- ③ IF A CURB MUST REMAIN, IT SHOULD BE A MAXIMUM OF 4" IN HEIGHT AND THE FRONT FACE OF THE CURB SHOULD BE PLACED FLUSH WITH THE TRAFFIC FACE RAIL OF THE TRAFFIC BARRIER TERMINAL (SPECIAL).



* CURB REMOVAL (SPECIAL)



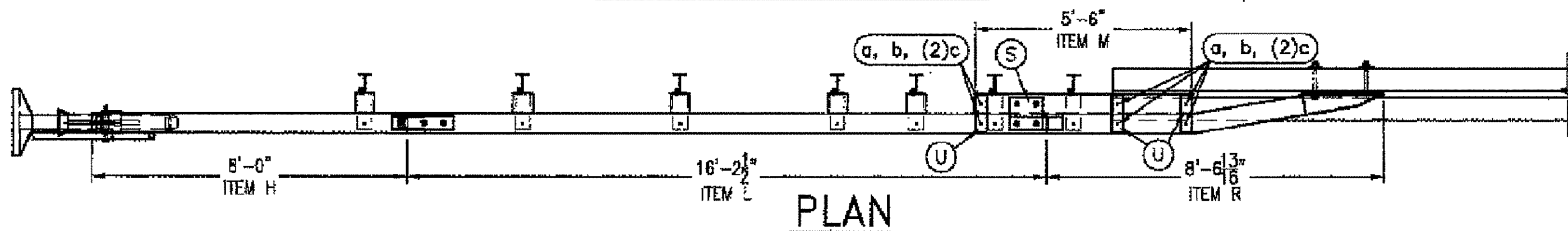
SHEET 1 OF 4

ILLINOIS DEPARTMENT OF TRANSPORTATION
**DETAILS OF TRAFFIC BARRIER
 TERMINAL (SPECIAL) &
 CURB REMOVAL (SPECIAL)**
 F.A.P. ROUTE 721 (IL 10)
 SECTION 113RS-3
 DEWITT COUNTY
 SCALE: N/A DRAWN BY: CADD
 DATE: 09/20/2007 CHECKED BY:

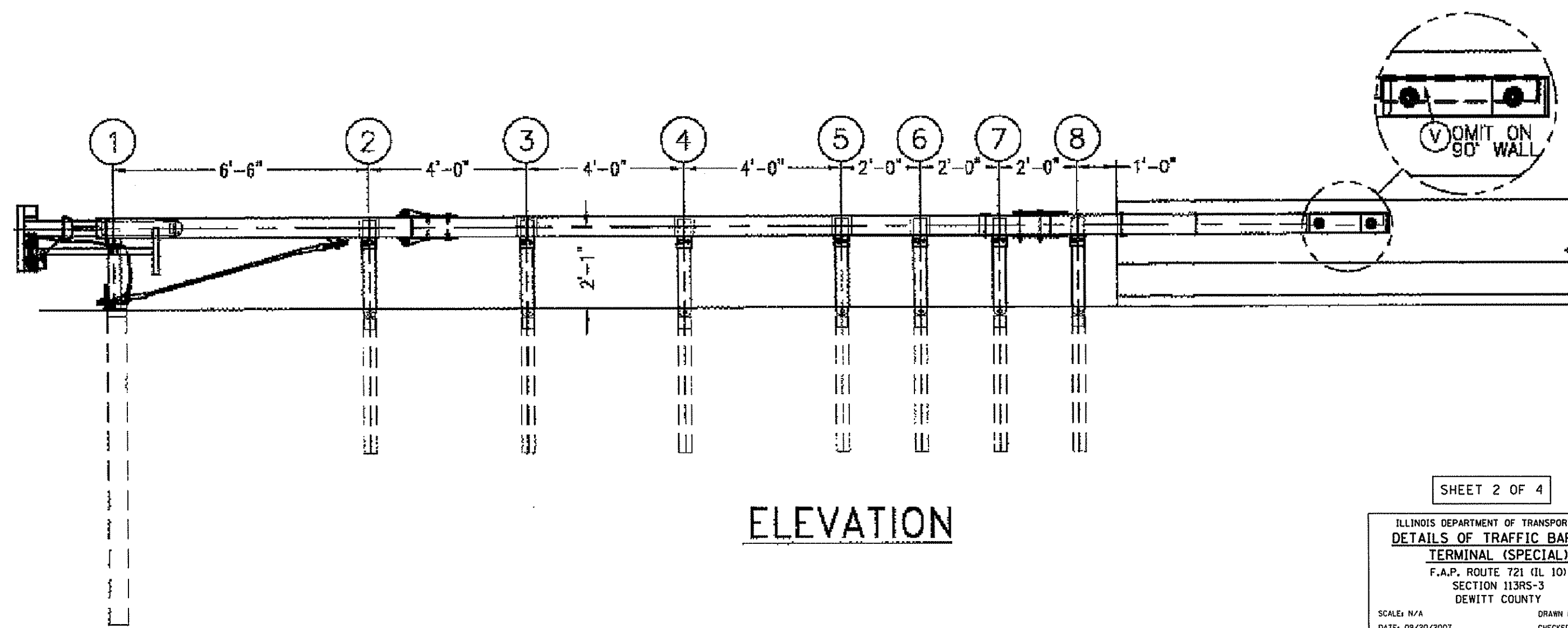
PLOT DATE : 10/12/2007
 PLOT SCALE : 1/8" = 1'-0"
 USER NAME : collierb

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113RS-3	DEWITT	34	28

PLAN & ELEVATION OF THE TRAFFIC BARRIER TERMINAL (SPECIAL)



PLAN



ELEVATION

SHEET 2 OF 4

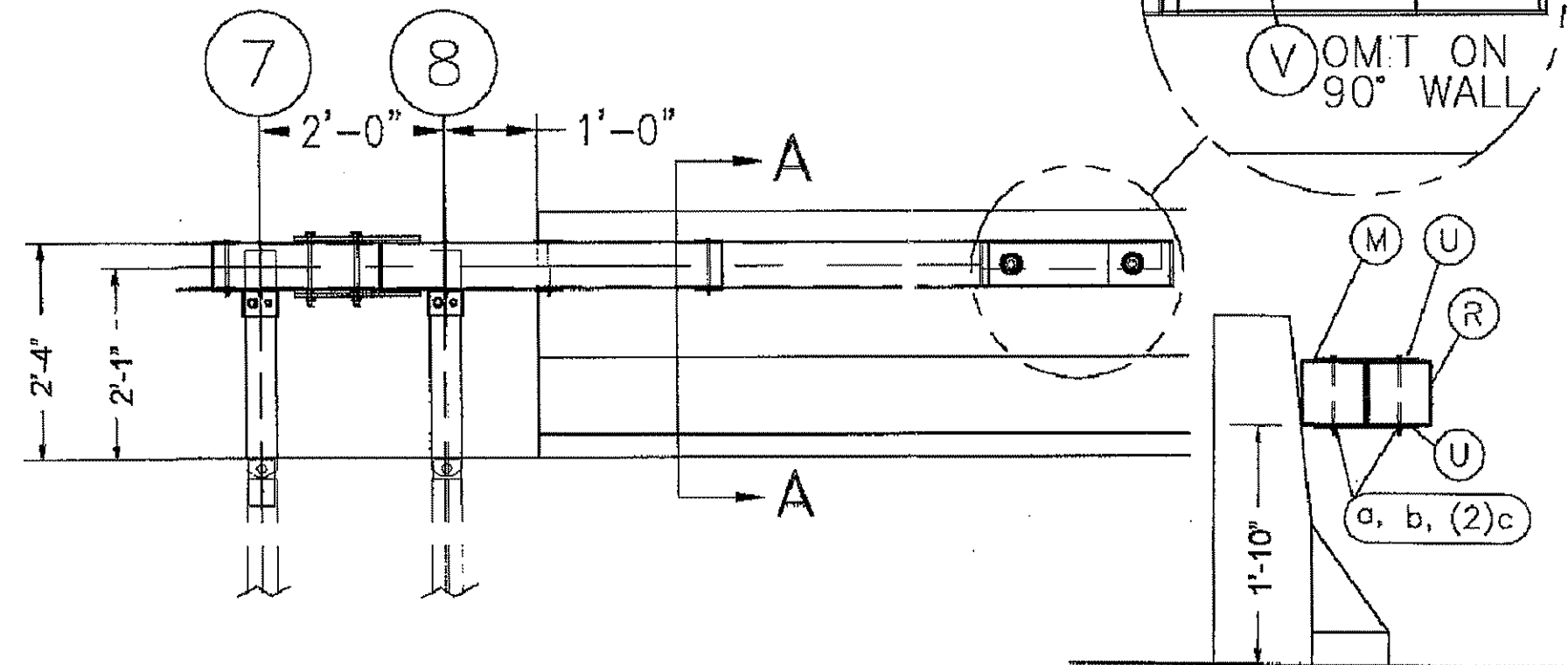
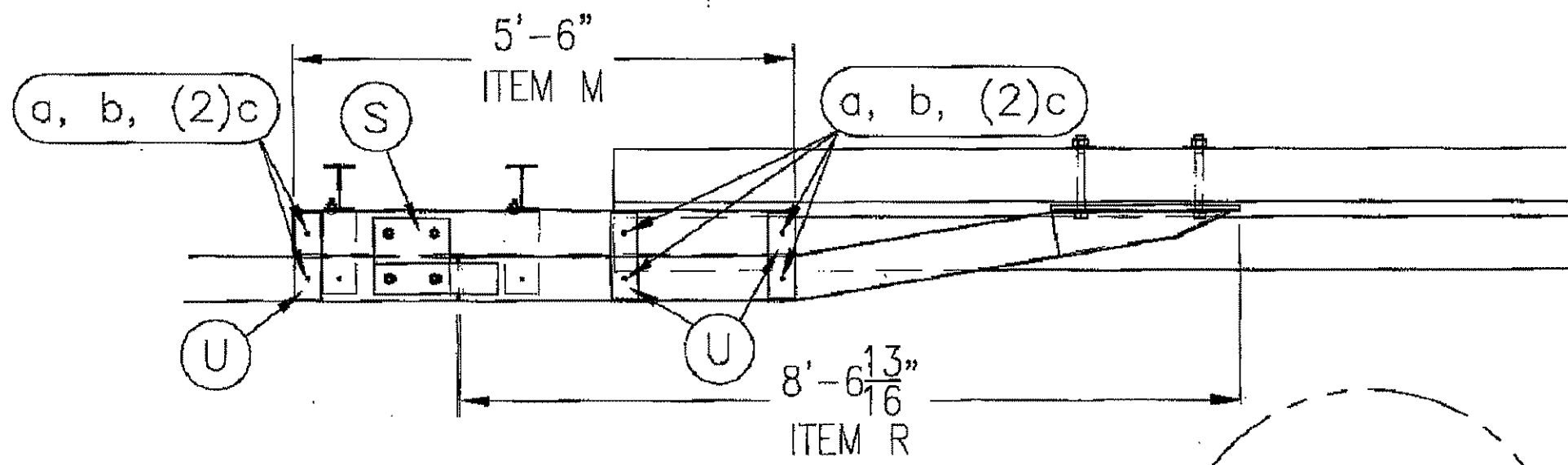
ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAILS OF TRAFFIC BARRIER
TERMINAL (SPECIAL)
F.A.P. ROUTE 721 (IL 10)
SECTION 113RS-3
DEWITT COUNTY

SCALE: N/A
DATE: 09/20/2007
DRAWN BY: CADD
CHECKED BY:

PLOT DATE: 10/17/2007
 FILE: C:\Users\cadd\Documents\113RS-3\113RS-3.dwg
 PLOT SCALE: 1/8" = 1'-0"
 USER NAME: cadd

CONTRACT NO. 70266				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113RS-3	DEWITT	34	29

**DETAIL OF TRAFFIC BARRIER TERMINAL (SPECIAL)
PLAN & ELEVATION AT RIGID WALL**



SECTION A-A

SHEET 3 OF 4

ILLINOIS DEPARTMENT OF TRANSPORTATION
**DETAILS OF TRAFFIC BARRIER
TERMINAL (SPECIAL)**
F.A.P. ROUTE 721 (IL 10)
SECTION 113RS-3
DEWITT COUNTY

SCALE: N/A DRAWN BY: CADD
DATE: 09/20/2007 CHECKED BY:

PLOT DATE = 10/15/2007
PLOT SCALE = 1/8" = 1'-0"
USER NAME = collinsb

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
721	113RS-3	DEWITT	34	30

TRAFFIC BARRIER TERMINAL (SPECIAL)

BILL OF MATERIAL

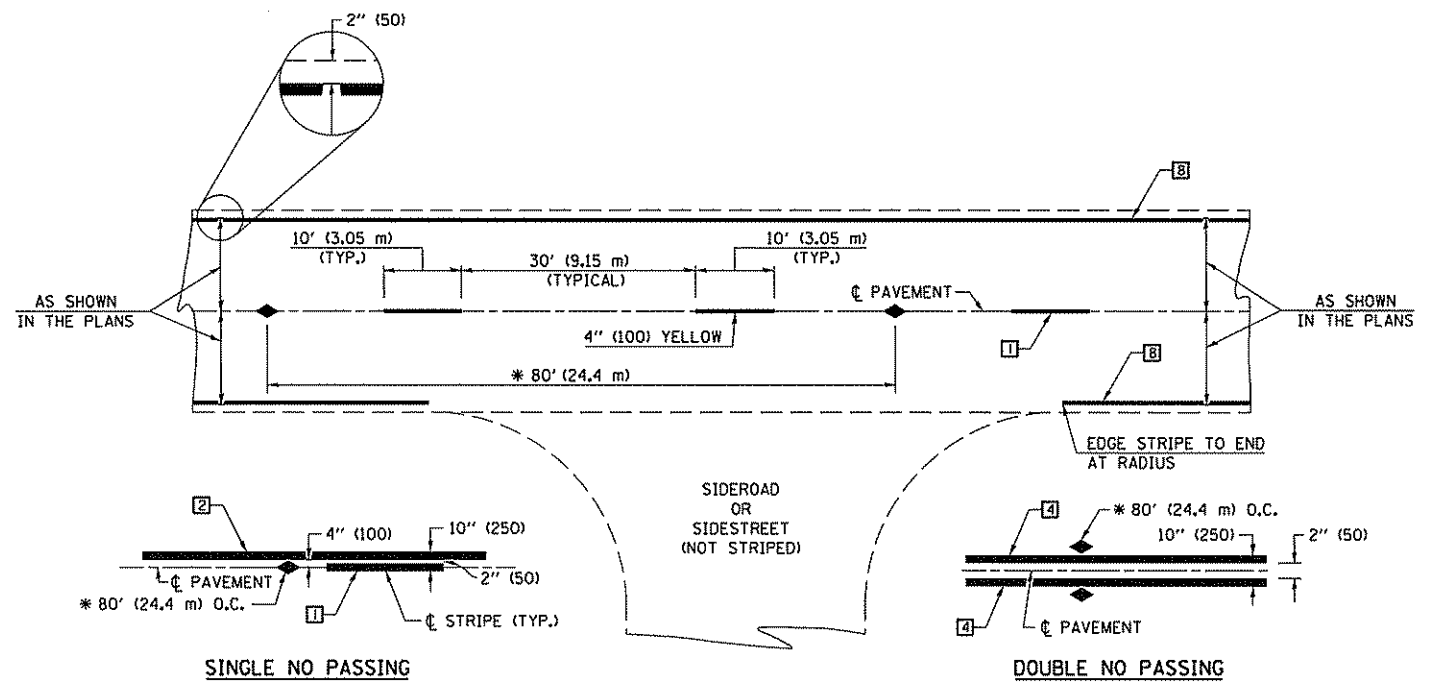
ITEM	QTY	DESCRIPTION
A	1	Box-Beam Impact Head
B	1	Upper End Post W6x9 x 1'-9 1/2" LG.
C	1	Lower End Post W6x15 x 8'-0" LG.
D	1	Support Bracket L4x2 x 4" LG.
E	1	Post Breaker Welded TS2x2x1/4"
F	1	Cable Anchor Assembly
G	1	Cable Anchor Bearing Plate
H	1	End Tube Rail x 8'-0" LG.
J	7	Steel Breakaway Post W6x9 x 6'-0" LG.
K	5	Support Bracket w/ Blockout TS6x6 w/ Bent PL.
L	1	Second Rail x 16'-2 1/2" LG.
M	1	Transition Blockout x 5'-6" LG.
N	2	Trans. Support Bracket 3/16" Bent PL. w/ Gusset
P	2	End Tube Splice Plate
Q	2	1" Square Washer PL. 4" x 4" x 1/4"
R	1	Anchor Rail x 8'-6 13/16" LG.
S	2	Splice Plate PL. 10" x 10" x 3/8"
T	1	3/8" GALV. Cable x 20'-0"
U	6	Tie Plate PL. 11 1/2" x 3 1/2" x 3/16"
V	1	Spacer (OMIT ON 90° WALL)
HARDWARE		
a	14	5/16" x 7 1/2" Hex Bolt Grade 5
b	14	5/16" Hex Nut
c	28	5/16" Washer
d	1	1/4" x 3" Hex Bolt Grade 2
e	1	1/4" Hex Nut
f	1	1/4" Washer
g	7	5/8" x 1 1/2" Guardrail Bolt
h	7	5/8" Recess Nut
i	8	5/8" x 2" Hex Bolt Grade 5
j	1	5/8" x 8" Hex Bolt Grade 5
k	18	5/8" Hex Nut
m	25	5/8" Washer
n	1	5/8" x 3" Hex Bolt Grade 5
p	4	5/8" x 9" Hex Bolt Grade 5
q	1	1/2" x 5" Hex Bolt Grade 5
r	2	1/2" Hex Nut
s	1	1/2" x 2" Hex Bolt Grade 2
t	2	1" x 10" Hex Bolt Grade 5 (Length Varies w/ Wall Sect.)
u	4	1" Hex Nut Grade 5
v	4	1" Washer Grade 5
w	2	1/2" Washer
x	2	Cable Tie

SHEET 4 OF 4

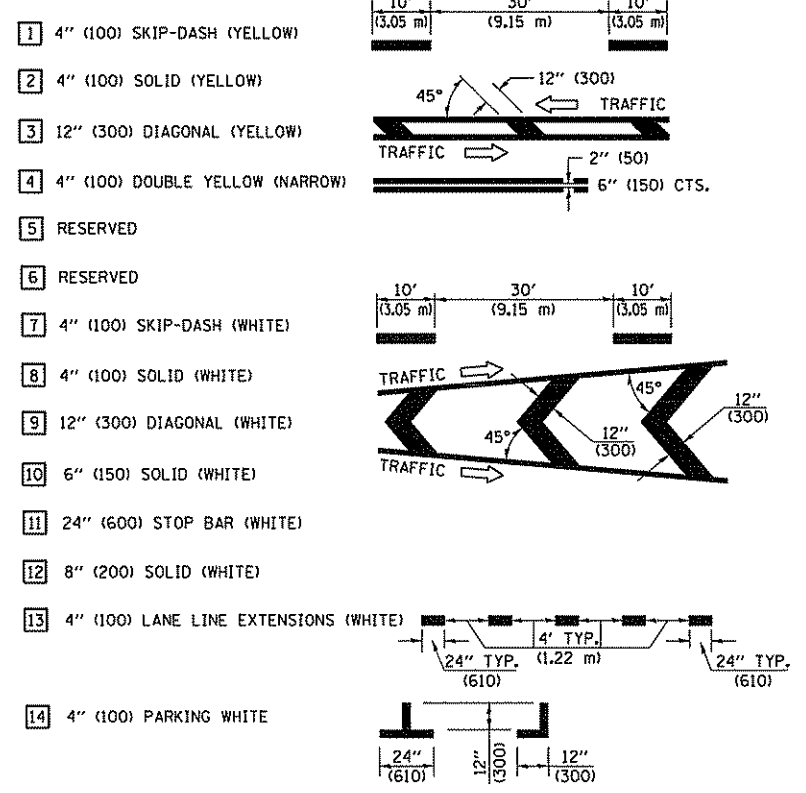
ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAILS OF TRAFFIC BARRIER
TERMINAL (SPECIAL)
 F.A.P. ROUTE 721 (IL 10)
 SECTION 113RS-3
 DEWITT COUNTY

SCALE: N/A
 DATE: 09/20/2007
 DRAWN BY: CADD
 CHECKED BY:

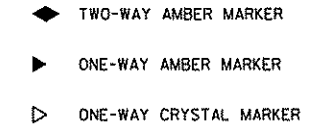
PLOT DATE = 10/17/2007
 PLOT SCALE = 1/8" = 1'-0"
 USER NAME = callenby



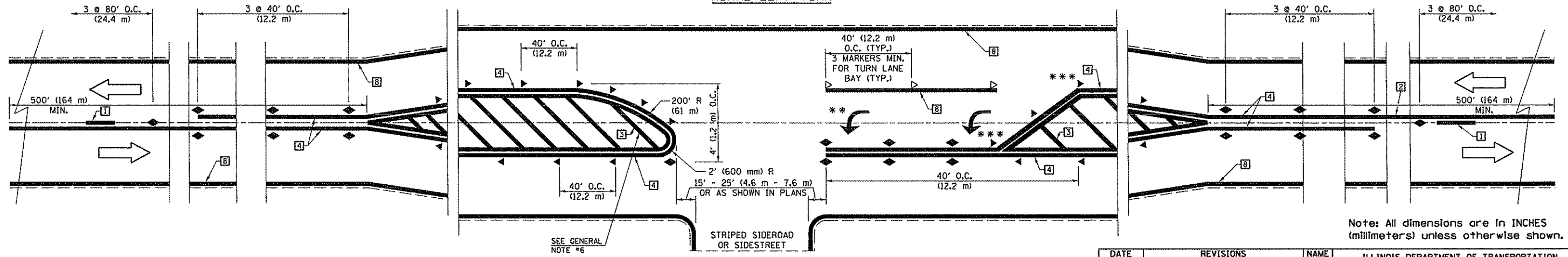
TYPICAL PAVEMENT MARKING LEGEND



TYPICAL PAVEMENT MARKERS LEGEND



RURAL LEFT TURN



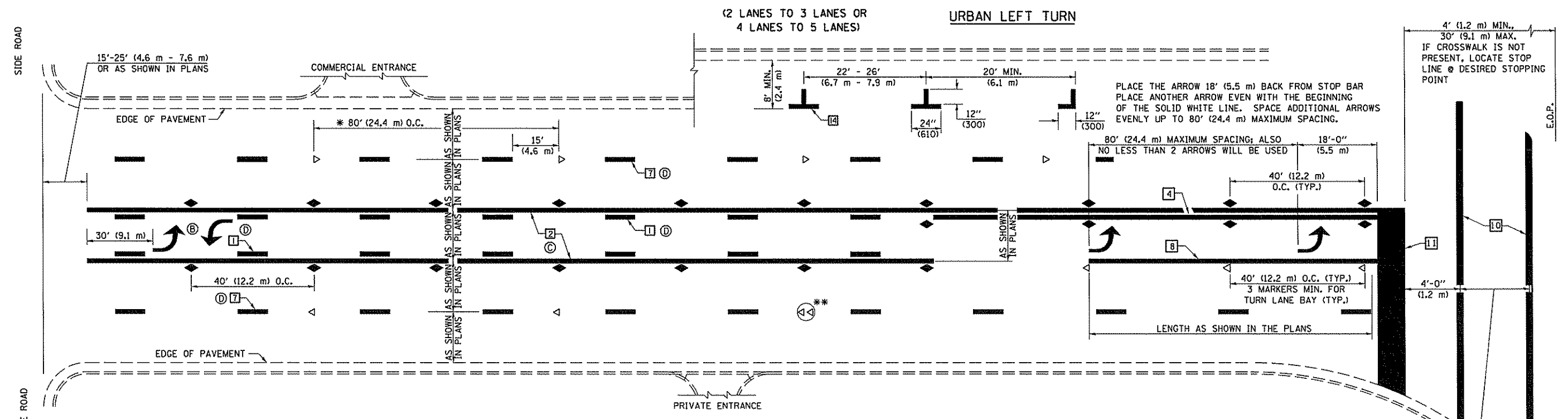
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

*** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.
 ** TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

DATE	REVISIONS	NAME
11/06	REPLACED DETAIL F-5.25	TJB

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)
 DISTRICT 5 DETAIL NO. 7800AAAA

PLOT DATE = 10/24/2007
 PLOT SCALE = 1/8" = 1'-0"
 USER NAME = callanb

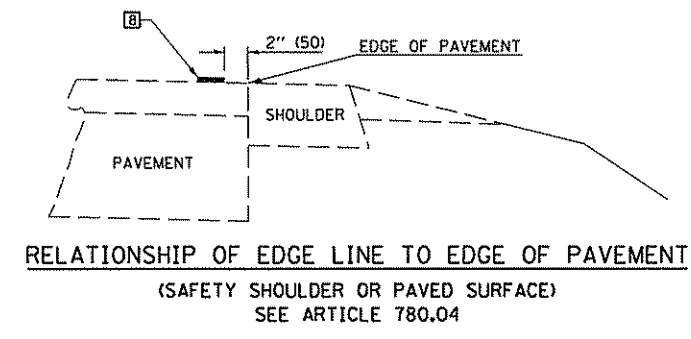
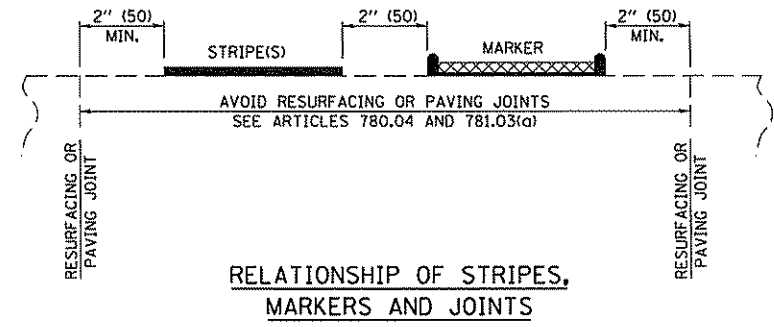
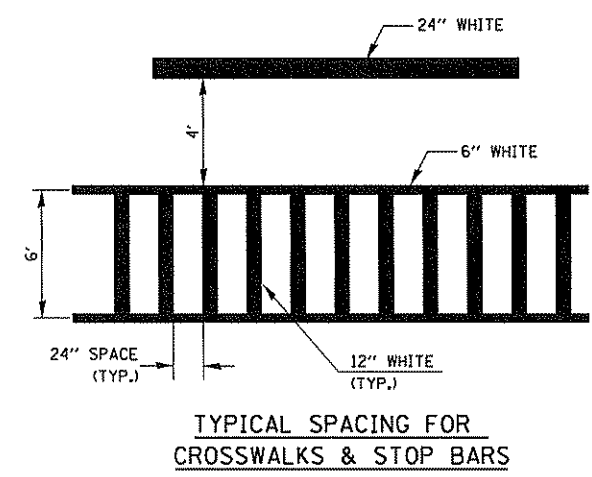
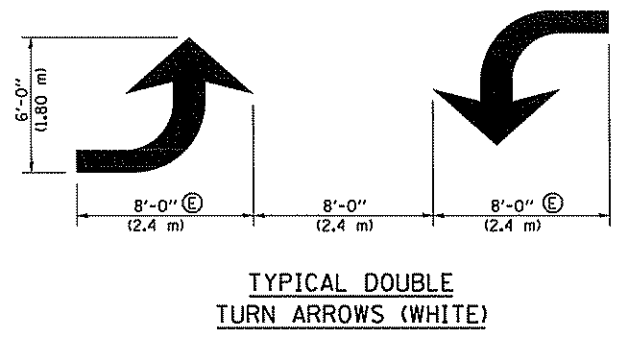
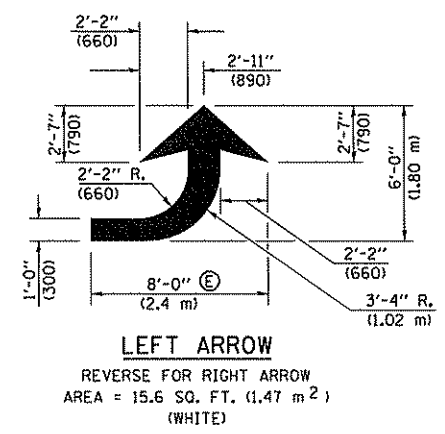


* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

BLOOMINGTON-NORMAL CITY LIMITS ONLY

- GENERAL 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.
 - ⓔ USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)



Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

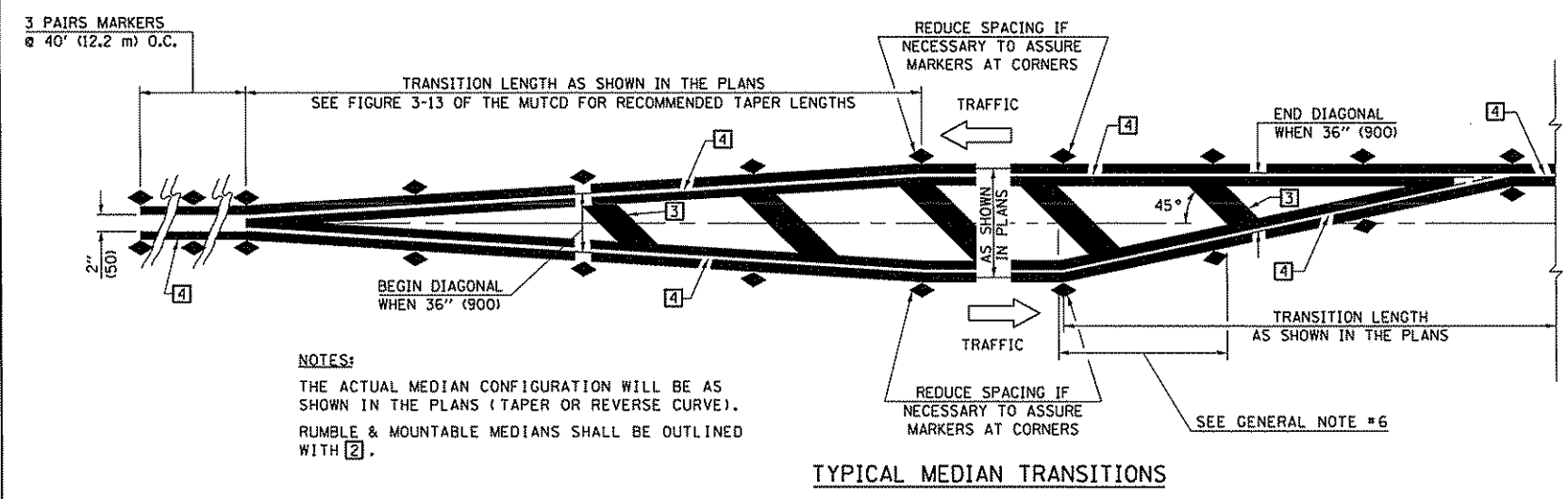
DATE	REVISIONS	NAME
11/06	REPLACED DETAIL F-5.25	TJB

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)

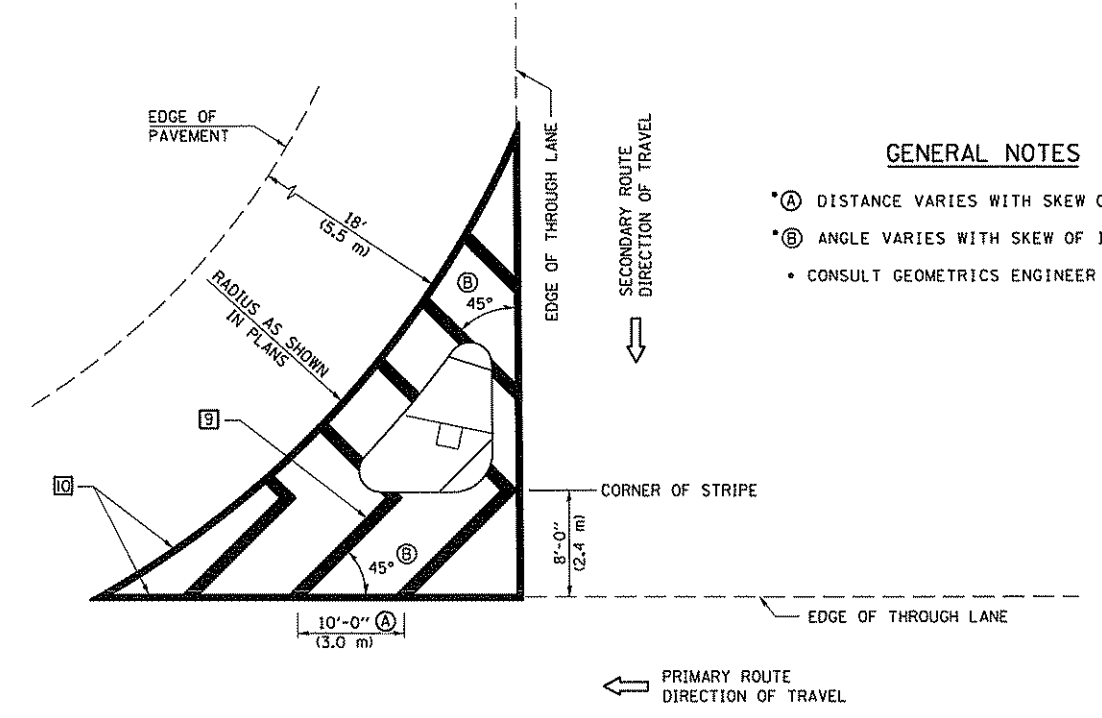
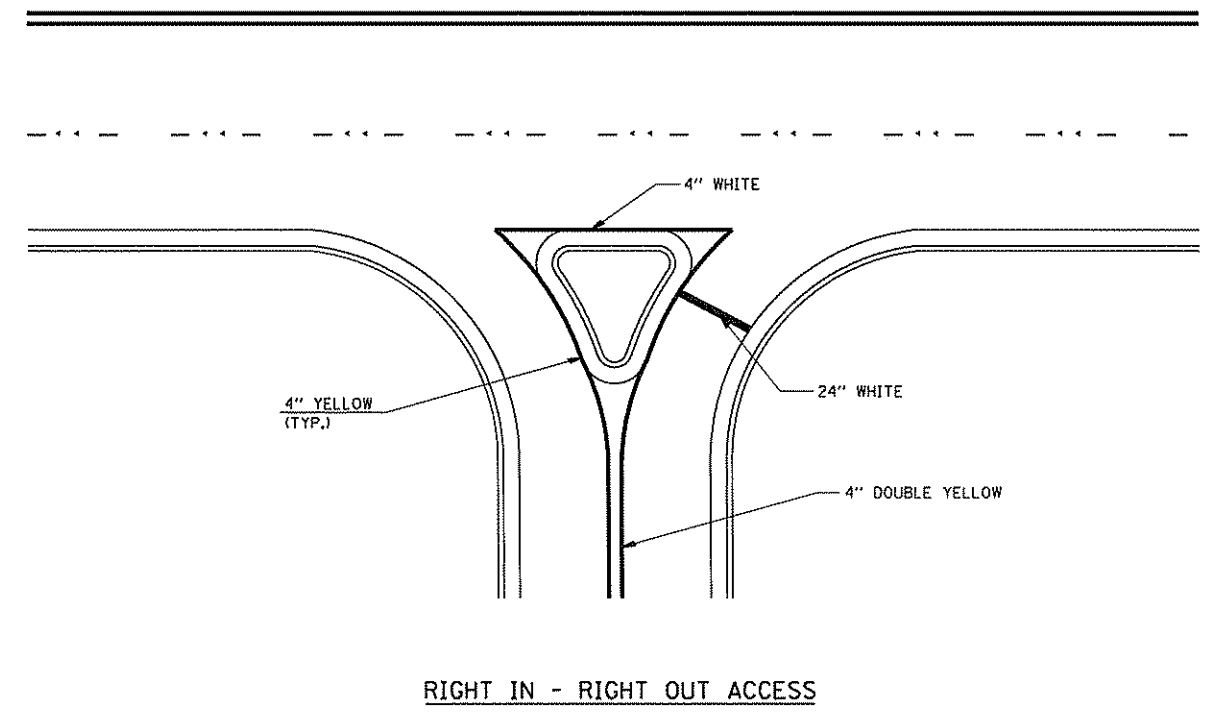
DISTRICT 5 DETAIL NO. 7800AAA

PLOT DATE = 10/17/2007
 PLOT SCALE = 1/8" = 1'-0"
 USER NAME = callier-bv



GENERAL NOTES

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
6. 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)



GENERAL NOTES

- (A) DISTANCE VARIES WITH SKEW OF INTERSECTION.
- (B) ANGLE VARIES WITH SKEW OF INTERSECTION.
- CONSULT GEOMETRICS ENGINEER

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

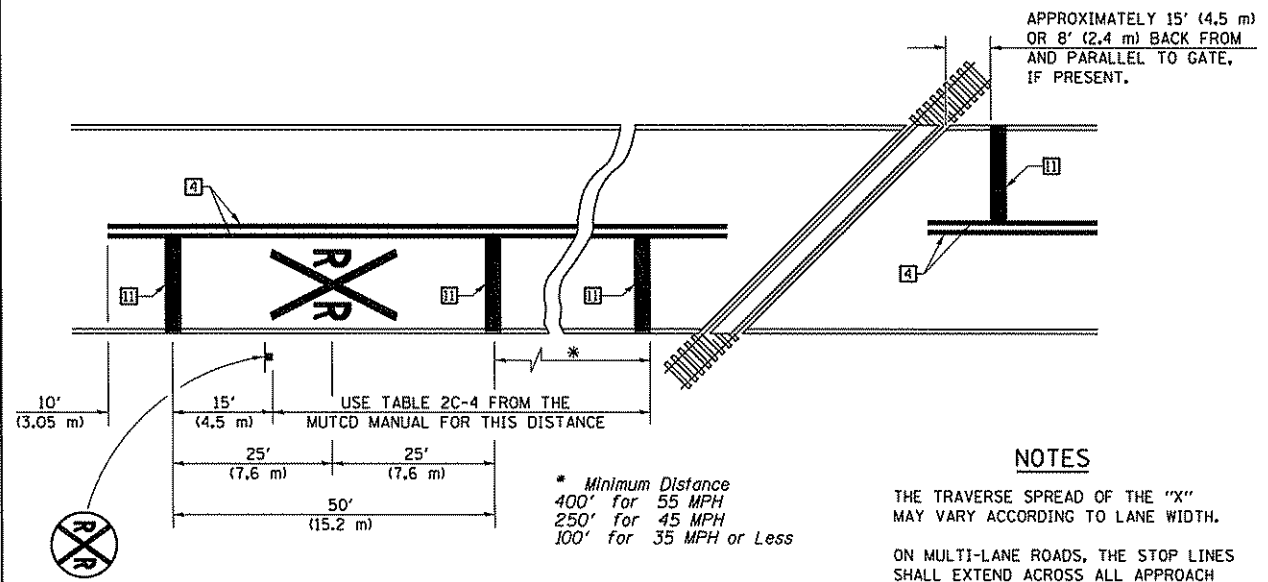
DATE	REVISIONS	NAME
11/06	REPLACED DETAIL F-5.25	TJB

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)

DISTRICT 5 DETAIL NO. 7800AAAA

PLOT DATE = 10/19/2007
 PLOT SCALE = 1/8" = 1'-0"
 USER NAME = collinrb



PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

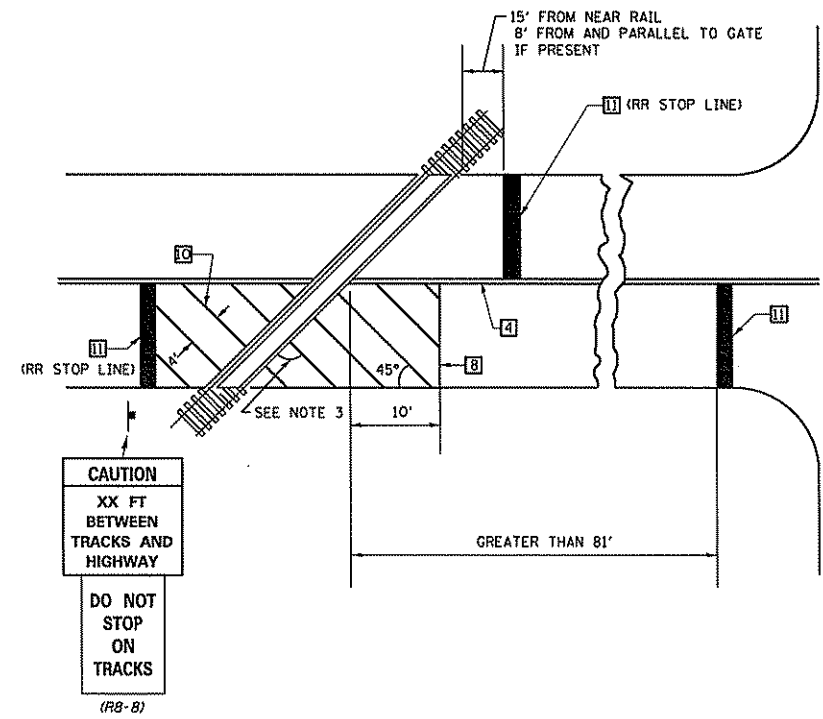
NOTES

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

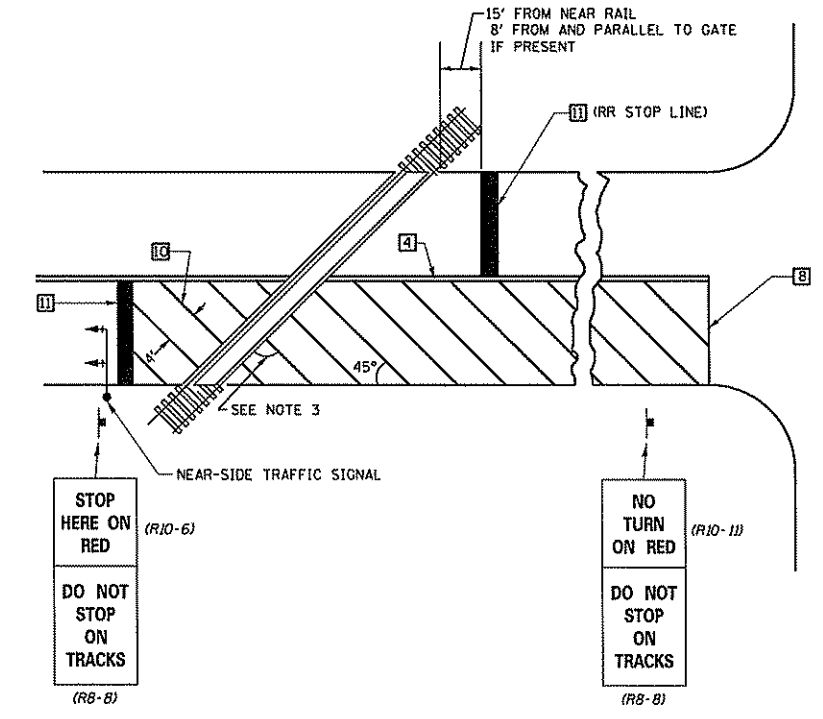
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE R XR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

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 11-1, CONDITION B OF THE MUTCD.

RAILROAD CROSSING WITH INTERCONNECT ONLY



RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS

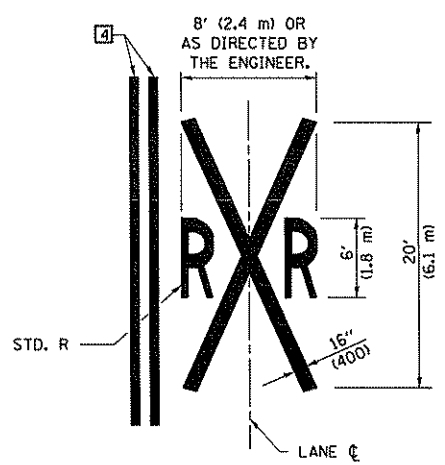


SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
- WHERE THE ANGLE BETWEEN THE DIAGONAL PAVEMENT MARKINGS AND THE TRACK WOULD BE LESS THAN 20°, THE PAVEMENT MARKINGS SHOULD BE PLACED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.



DATE	REVISIONS	NAME
11/06	REPLACED DETAIL F-5.25	TJB

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)

DISTRICT 5 DETAIL NO. 7800AAAA

PLOT DATE = 10/21/2007
FILE NAME = c:\pwork\113rs\113rs3\113rs3.dgn
PLOT SCALE = 1/16" = 1" / 16"
USER NAME = collinsb