

FAP ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105BR	CHAMPAIGN	36	1

CONTRACT NO. 70391
D-95-034-04

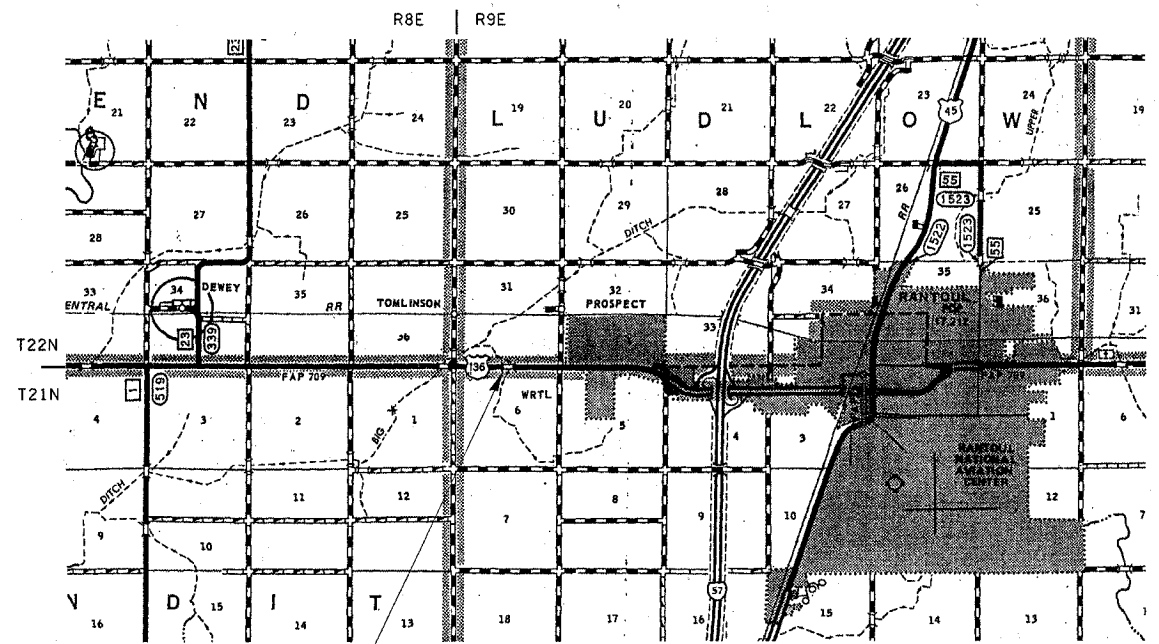
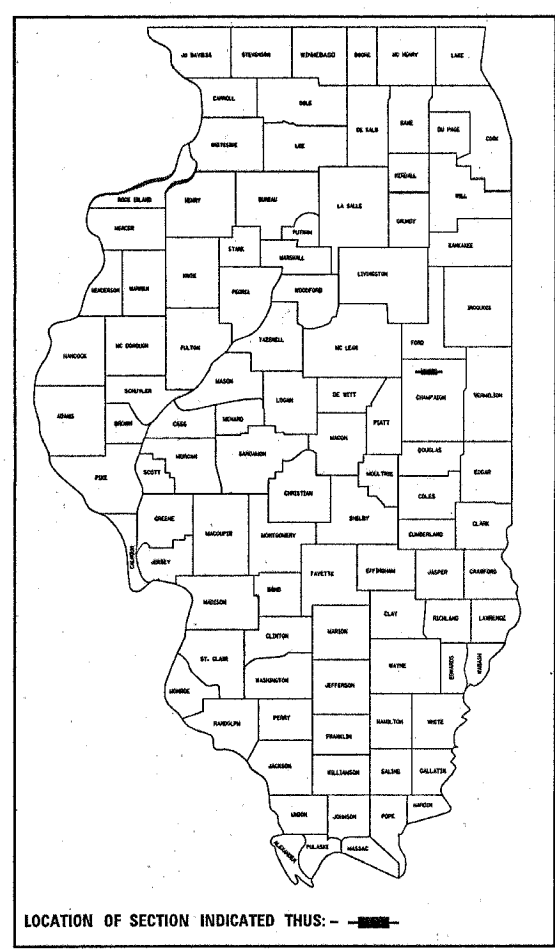
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
HIGHWAY IMPROVEMENT**
F.A.P. ROUTE 709 (US. 136)
SECTION 105BR
CHAMPAIGN COUNTY

BRIDGE REPLACEMENT SOUTH BRANCH
OF BIG DITCH 1 MILE WEST OF RANTOUL

PROJECT F-0709 (018)

C-95-035-04

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



EX. STR. #010-0064 (TO BE REMOVED)

PROP. STR. #010-2030
2 @ 11'-0" X 11'-0" X 43'-6" R.C. BOX CULVERT
W/ CAST IN PLACE END SECTIONS
STA 2112+00 TO STA 2114+50

TOTAL LENGTH OF SECTION & PROJECT = 250.0 FEET = 0.047 MILES
NET LENGTH OF SECTION & PROJECT = 250.0 FEET = 0.047 MILES

LEG ADT (2004)
ADT: US-136 3500

FUNCTIONAL CLASSIFICATION: RURAL MINOR ARTERIAL

DESIGN DESIGNATION
NA

70391

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED: 4/1 20 05

Deputy Director of Highways, Region 3 Engineer
Joseph E. Crowe

May 13, 20 05
Mike Nire
Engineer of Design and Environment

May 13, 20 05
Victor Mader
Director of Highways, Chief Engineer

FOR UNDERGROUND UTILITY
LOCATIONS CALL
TOLL FREE J.U.L.I.E. TELEPHONE NO.
1-800-892-0123
LUDLOW & RANTOUL TOWNSHIP

PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS

(217)465-4181

PROJECT ENGINEER: KENSIL GARNETT

SQUAD LEADER: CORY SHEEHY

HIGHWAY STANDARDS

<u>STANDARD NUMBER</u>	<u>NAME OF STANDARD</u>
000001-04	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND A FOOT
001001	AREAS OF REINFORCEMENT BARS
280001-02	TEMPORARY EROSION CONTROL SYSTEMS
442202-01	CLASS C & D PATCHES
515001-02	NAME PLATE FOR BRIDGES
630001-05	STEEL PLATE BEAM GUARDRAIL
630101-05	GUARDRAIL MOUNTED ON EXISTING CULVERT
630301-03	SHOULDER WIDENING FOR TYPE 1, (SPECIAL) GUARDRAIL TERMINALS
635006-02	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-01	REFLECTOR MARKER AND MOUNTING DETAILS
667101	PERMANENT SURVEY MARKERS
701001-01	TRAFFIC CONTROL AND PROTECTION
701006-02	TRAFFIC CONTROL AND PROTECTION
701101-01	TRAFFIC CONTROL AND PROTECTION
701301-02	TRAFFIC CONTROL AND PROTECTION
701311-02	TRAFFIC CONTROL AND PROTECTION
701306-01	TRAFFIC CONTROL AND PROTECTION
702001-05	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATION OF RAISED REFLECTIVE PAVEMENT MARKERS

INDEX OF SHEETS

<u>PAGE</u>	<u>DESCRIPTION</u>
1	COVER SHEET
2	INDEX OF SHEETS
2	HIGHWAY STANDARDS
3	GENERAL NOTES
4&5	SUMMARY OF QUANTITIES
6-8	TYPICAL CROSS SECTIONS
9	SCHEDULE OF QUANTITIES
10	PLAN AND PROFILE SHEET
11	PROPOSED WINGWALL DESIGN DETAIL
12&13	DETAIL OF BOX CULVERT END SECTION
14	DETAIL OF POROUS GRANULAR BACKFILL DETAIL, EXPANSION BOLT& FIELD ENTRANCE,
15	SIGNING FOR ROAD CLOSURE DETAIL
16	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR ROAD CLOSURE
17-19	TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS
20-36	CROSS SECTIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105BR	CHAMPAIGN	36	2

CONTRACT NO. 70391

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. -105.09A
ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

G. N. -107.31
UTILITY LINES WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY COMPANIES INVOLVED (QUALITY LEVEL C &/OR QUALITY LEVEL D) AND THE ACCURACY SHOULD BE CONSIDERED APPROXIMATE ONLY.

UTILITY COMPANIES MAY BE ADJUSTING THEIR FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH THESE ORGANIZATIONS WHILE THESE ADJUSTMENTS ARE BEING PERFORMED.

J. U. L. I. E. - JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS SYSTEM (800)892-0123.

THE FOLLOWING UTILITY OWNERS MARKED WITH AN '*' BELONG TO J. U. L. I. E.:

NAME & ADDRESS OF UTILITY	TYPE & LOCATION
Jackie Roelfs *Verizon North 212 E. Grove St. Rantoul, IL 61866 (217) 892-3467	Buried telephone along North and South ROW.

Mr. Dale Shaver *Mediacom, LLC 903 E. Howard St. Pontiac, IL 61764 (815)844-5478 Cell: (630) 330-8518	Fiber optic, cable TV along North ROW.
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G. N. -406
THE QUANTITIES INCLUDED IN THE PLANS FOR BITUMINOUS CONCRETE RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE BITUMINOUS MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT. DESIGN THICKNESS CAN BE BACK CALCULATED USING THE CONVERSION FACTOR OF 1IN THICKNESS = 112 POUNDS/SQUARE YARD.

G. N. -406D
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. -406H
MIXTURE REQUIREMENTS

The following mixture requirements are applicable for this project:

Location(s):	US 136		
Mixture Use(s):	SURFACE	LEVEL BINDER	CLASS D PATCH
AC/PG:	PG 64-22	PG 64-22	PG 64-22
RAP% (MAX):	15%	25%	25%
Design Air Voids:	4.0% Ndes=50	4.0% Ndes=50	4.0% Ndes=50
Mixture Composition: (Gradation Mixture)	IL 9.5	IL 9.5	IL 19.0
Friction Aggregate:	MIX C	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. -502.10
THE CUBICAL DEPOSIT OF COARSE AGGREGATE SHALL BE COMPLETELY ENCLOSED IN A FABRIC ENVELOPE. THE FABRIC SHALL CONFORM TO THE REQUIREMENTS OF THE APPLICABLE PORTIONS OF SECTION 1080 AND SECTION 282 WITH EITHER THE 6 OZ. OR 8 OZ. PER SQUARE YARD MATERIAL ALLOWED. FREE EDGES SHALL OVERLAP BY 12 inches. THIS REQUIREMENT WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE VARIOUS ITEMS REQUIRING PLACEMENT OF THE CUBICAL DEPOSITS OF COARSE AGGREGATE.

G. N. -540
THE CONTRACTOR SHALL ASSEMBLE AND MATCH-MARK THE PRECAST BOX CULVERT SECTIONS AND END SECTIONS PRIOR TO SHIPMENT OF THESE COMPONENTS FROM THE MANUFACTURER, AND AS DIRECTED BY THE ENGINEER IN ORDER TO SECURE A PROPER FIT ON EACH JOINT. ANY SECTIONS OR END SECTIONS WHICH DO NOT PROVIDE A PROPER FIT AT THE JOINT SHALL BE REJECTED BY THE ENGINEER AND REPLACED BY THE CONTRACTOR WITH NO ADDITIONAL COMPENSATION BEING ALLOWED. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER FOOT FOR PRECAST CONCRETE BOX CULVERTS OF THE SIZE SPECIFIED.

G. N. *540A
CAST IN PLACE END SECTIONS, HEADWALLS, AND COLLARS ARE REQUIRED FOR PRECAST BOX CULVERTS. SHOP PLANS WILL NOT BE REQUIRED WITH CAST IN PLACE ITEMS CONSTRUCTED AS SHOWN IN THE PLANS. SHOP PLANS SHALL BE SUBMITTED FOR CHANGED OR MODIFIED CAST IN PLACE DETAILS IN ACCORDANCE WITH ARTICLE 540.06.

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. -1004.03
REVISE ARTICLE 1004.03 (c) NOTE 5/ OF THE STANDARD SPECIFICATIONS TO READ:

'5/ GRADATION CA-16 SHALL BE USED IN LIEU OF CA-13 WHEN THE SURFACE COURSE IS LESS THAN 1 3/4 INCHES IN THICKNESS. CA-13 OR CA-16 MAY BE USED WHEN THE SURFACE COURSE IS 1 3/4 INCHES OR MORE IN THICKNESS.'

G. N. -Z0038
AN ALUMINUM TABLET OF THE TYPE SHOWN ON STANDARD 667101 SHALL BE PLACED ON THE PROPOSED STRUCTURE AS DIRECTED BY THE ENGINEER. THE BENCH MARK ELEVATION WILL BE ESTABLISHED AND MARKED BY THE DEPARTMENT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR PERMANENT BENCH MARKS.

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105BR	CHAMPAIGN	36	4

CONTRACT NO. 70391

LOCATION OF WORK: FAP 709
2112+00
TO
2114+50
80% FEDERAL
20% STATE
RURAL TWO LANE

CONSTRUCTION TYPE CODE: X028-2A
TOTAL
QUANTITY

CODE NO	ITEM	UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU YD	275.0
20900110	POROUS GRANULAR BACKFILL	CU YD	288.0
25000200	SEEDING, CLASS 2	ACRE	1.0
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	90.0
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	90.0
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	90.0
25100115	MULCH, METHOD 2	ACRE	1.0
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	100.0
28000300	TEMPORARY DITCH CHECKS	EACH	8.0
28000400	PERIMETER EROSION BARRIER	FOOT	400.0
28000500	INLET AND PIPE PROTECTION	EACH	5.0
28100107	STONE RIPRAP, CLASS A4	SQ YD	97.0
28200200	FILTER FABRIC	SQ YD	97.0
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	9.0
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	37.0
40600990	TEMPORARY RAMP	SQ YD	55.0
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1.0
44000008	BITUMINOUS SURFACE REMOVAL 2 1/2"	SQ YD	723.0
44000025	BITUMINOUS SURFACE REMOVAL (SPECIAL)	SQ YD	19.0
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SQ YD	174.0
48101200	AGGREGATE SHOULDERS, TYPE B	TON	20.0
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1.0
51500100	NAME PLATES	EACH	1.0

SUMMARY OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	1058R	CHAMPAIGN	36	5

LOCATION OF WORK: FAP 709
2112+00
TO
2114+50
80% FEDERAL
20% STATE

CONTRACT NO. 70391

RURAL TWO LANE
CONSTRUCTION TYPE CODE: X028-2A
TOTAL
QUANTITY

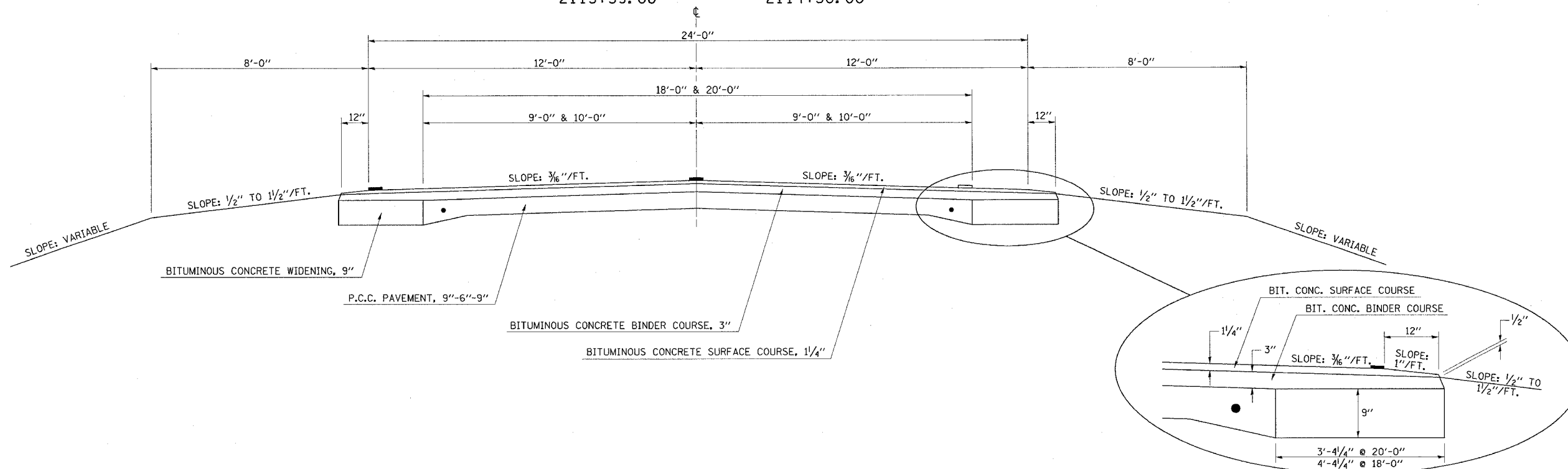
CODE NO	ITEM	UNIT	QUANTITY
54001000	BOX CULVERT END SECTIONS	EACH	2.0
54002020	EXPANSION BOLTS 3/4 INCH	EACH	120.0
54021111	PRECAST CONCRETE BOX CULVERT 11' X 11' (M273)	FOOT	88.0
*63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	487.5
*63000025	STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	FOOT	50.0
*63100169	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (FLARED)	EACH	4.0
63200310	GUARDRAIL REMOVAL	FOOT	587.5
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4.0
67100100	MOBILIZATION	L SUM	1.0
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0
70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1.0
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	563.0
*78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	563.0
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	4.0
*78200405	GUARDRAIL MARKERS	EACH	7.0
*78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4.0
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	4.0
X0322752	WORK ZONE PAVEMENT MARKING REMOVAL	FOOT	563.0
X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON	63.0
X4066765	LEVELING BINDER (MACHINE METHOD), SUPERPAVE N50	TON	41.0
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	42.0
Z0038700	PERMANENT BENCH MARKS	EACH	1.0
* SPECIALITY ITEMS			

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105BR	CHAMPAIGN	36	6

CONTRACT NO. 70391

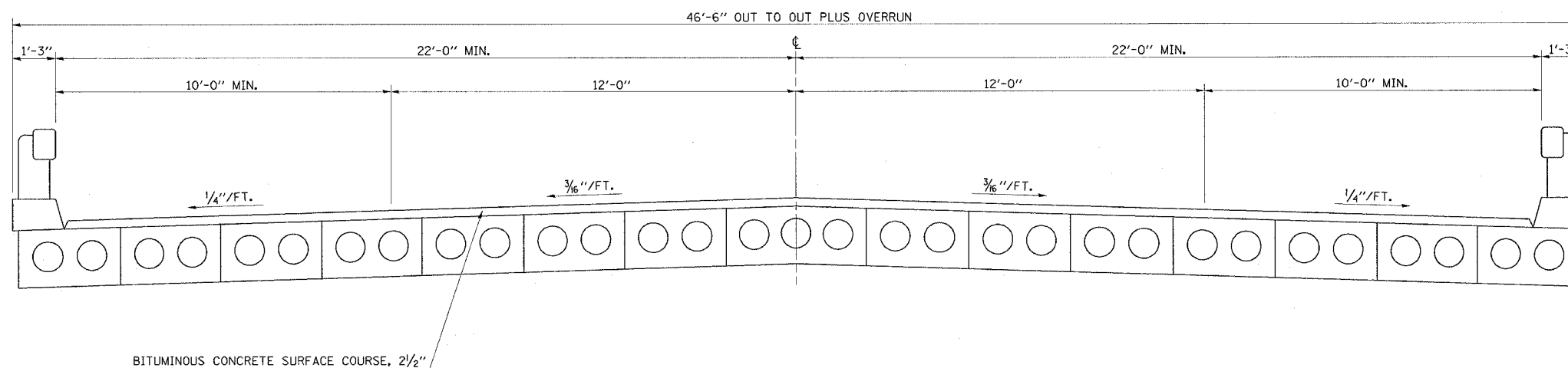
EXISTING TYPICAL CROSS SECTION (RURAL)

STATION TO STATION
 2112+00.00 2113+15.00
 2113+39.00 2114+50.00



EXISTING BRIDGE TYPICAL CROSS SECTION

STATION TO STATION
 2113+15.00 2113+39+00

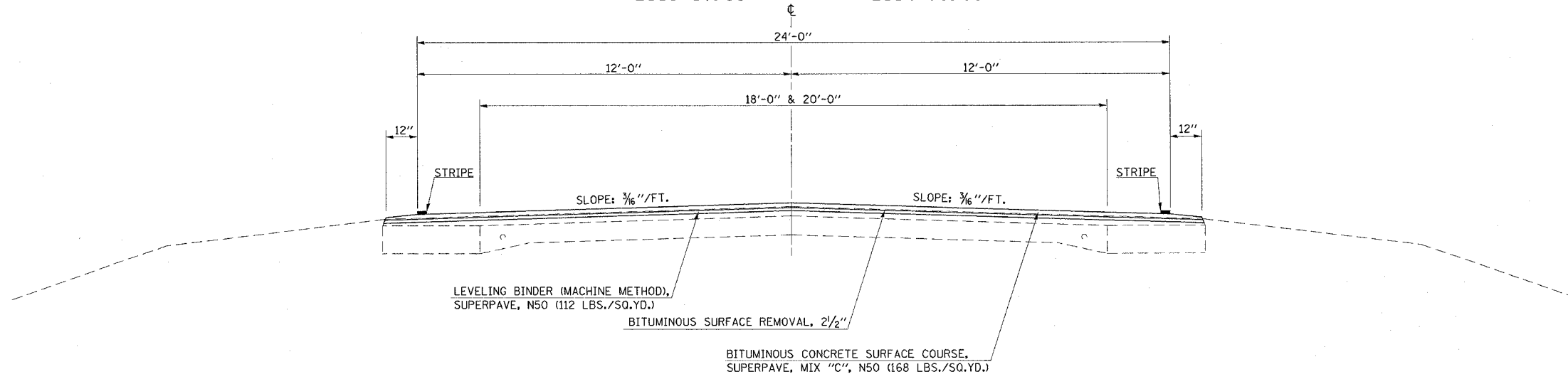


PROPOSED TYPICAL CROSS SECTION (RURAL)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105BR	CHAMPAIGN	36	7

CONTRACT NO. 70391

STATION TO STATION
 2112+00.00 2113+13.00
 2113+37.00 2114+50.00



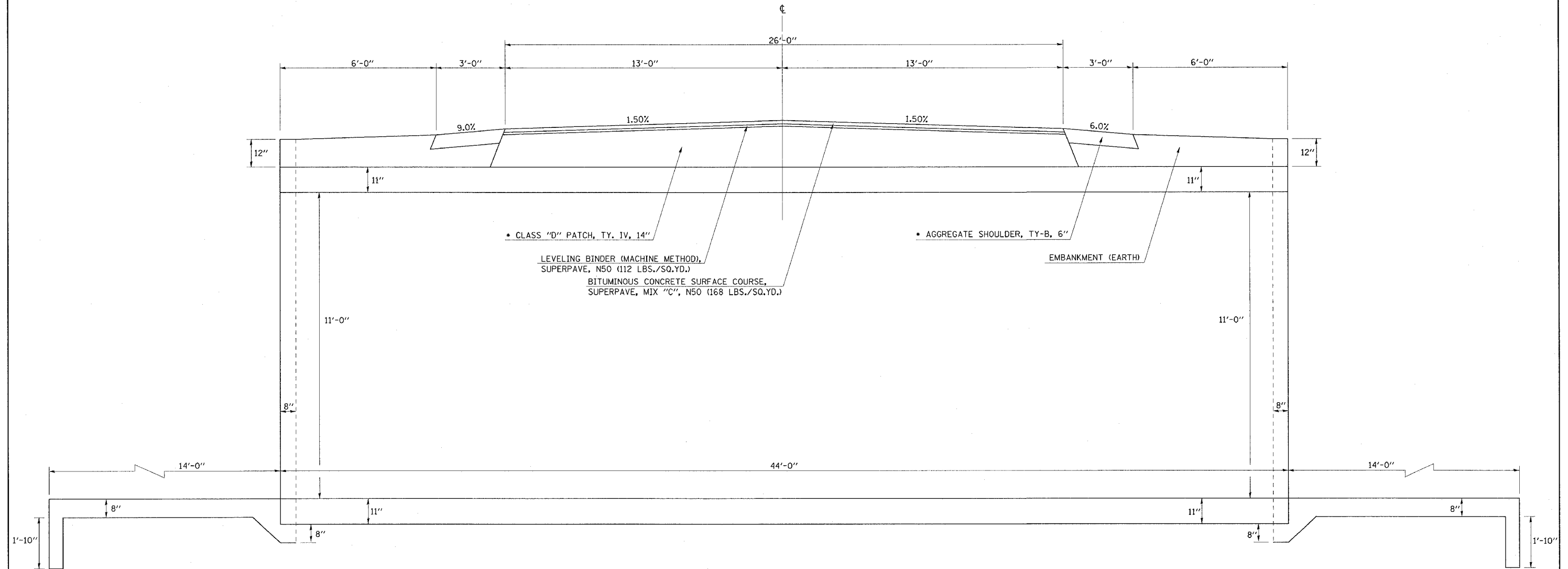
NOTE: CLASS "D" PATCH, TY. IV, 14" - STA. 2113+01.00 TO STA. 2113+49.00

PROPOSED TYPICAL CROSS SECTION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105BR	CHAMPAIGN	36	8

CONTRACT NO. 70391

STATION TO STATION
2113+13.00 2113+37.00



• CLASS "D" PATCH, TY. IV, 14" & AGGREGATE SHOULDERS, TY-B, 6" - STA. 2112+95.00 TO STA. 2113+55.00

SCHEDULE OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105BR	CHAMPAIGN	36	9

CONTRACT NO. 70391

EARTH WORK SCHEDULE

LOCATION	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) SHORTAGE (-)
	(CU YD)	(CU YD)	(CU YD)	(CU YD)
LT STA. 2111+50 TO 2115+63	0.0	0.0	65.0	-65.0
RT STA. 2110+63 TO 2115+13	2.0	1.5	115.0	-113.5
CUT FO STRUCTURE PG BACKFILL	268.3	201.2	0.0	201.2
SUB-TOTAL	270.3	202.7	180.0	22.7
TOTAL QUANTITY =	275.0			20.0
	(CU YD)	(CU YD)	(CU YD)	(CU YD)

NOTES:

- 1- NO SHRINKAGE FACTOR APPLIED TO THE EMBANKMENT QUANTITY
2- A 25% EXPANSION FACTOR WAS USED IN COMPUTING BORROW QUANTITY

EARTH EXCAVATION 275.0 CUYDS

POROUS GRANULAR BACKFILL

STA.	TO	STA.	WIDTH	(CU YD)
2112+97		2113+12	36.0'	144.0
2113+38		2113+53	36.0	144.0
TOTAL QUANTITY =				288.0 CUYD

PERIMETER EROSION BARRIER

LT OR RT	STA.	TO	STA.	(FT)
LT	2111+50		2112+50	100.0
LT	2113+63		2115+63	200.0
RT	2111+63		2112+13	50.0
RT	2114+50		2115+00	50.0
TOTAL QUANTITY =				400.0 FEET

INLET AND PIPE PROTECTION

LT OR RT	O/S	STATION
LT	40'	2112+00
RT	20'	2112+00
RT	45'	2113+55
LT	45'	2113+55
RT	32'	2113+70
TOTAL QUANTITY =		5 EACH

CLASS D PATCH, TYPE IV, 14"

STA.	TO	STA.	WIDTH	(SQ YD)
2112+95		2113+55	26.0	173.0
TOTAL QUANTITY =				174.0 SQYD

AGGREGATE SHOULDERS TYPE B

LT OR RT	STA.	TO	STA.	(TONS)
RT	2112+00		2112+95	1.7
LT	2112+00		2112+95	1.7
RT	2113+55		2114+50	1.7
LT	2113+55		2114+50	1.7
TOTAL QUANTITY =				20.0 TON

FILTER FABRIC FOR RIPRAP

NORTH SIDE OF CULVERT = 49.0 SQ YDS
SOUTH SIDE OF CULVERT = 48.0 SQ YDS
TOTAL QUANTITY = 97.0 SQ YDS

STONE RIPRAP CLASS A-4

NORTH SIDE OF CULVERT = 49.0 SQ YDS
SOUTH SIDE OF CULVERT = 48.0 SQ YDS
TOTAL QUANTITY = 97.0 SQ YDS

AGGREGATE SURFACE COURSE TYPE B

O/S	STA.	TO	STA.	WIDTH (FT)	(TON)
LT	2112+57		2113+10	21.0	9.0
TOTAL QUANTITY =					9.0 TON

BITUMINOUS SURFACE REMOVAL (SPECIAL)

LT OR RT	STA.	TO	STA.	WIDTH	(SQ YD)
LT	2112+57		2113+10	4.0	19.0
TOTAL QUANTITY =					19.0 SQYD

STEEL PLATE BEAM GUARDRAIL, TYPE A

LT OR RT	STA.	TO	STA.	SECTIONS	(FT)
LT	2112+25.0		2112+50.0		25.0
LT	2112+80.5		ENTRANCE RADII		50.0
LT	2113+07.5		2114+95.0		187.5
ATTACHED TO STRUCTURE					-25.0
NORTH QUANTITY					237.5

LT OR RT	STA.	TO	STA.	SECTIONS	(FT)
LT	2111+55.0		2114+30.0		275.0
ATTACHED TO STRUCTURE					-25.0
SOUTH QUANTITY					250.0
TOTAL QUANTITY					487.5

STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURE

LT OR RT	STA.	TO	STA.	(FT)
LT	2113+12		2113+37	25.0
RT	2113+12		2113+37	25.0
TOTAL QUANTITY =				50.0 FEET

TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL (FLARED)

O/S	STA.	TO	STA.	EACH
LT	2111+75		2112+25	1.0
LT	2114+95		2115+45	1.0
RT	2111+05		2111+55	1.0
RT	2114+30		2114+80	1.0
TOTAL =				4.0 EACH

TERMINAL MARKER - DIRECT APPLIED

O/S	STA.	EACH
LT	2111+75	1
LT	2115+45	1
RT	2111+05	1
RT	2114+80	1
TOTAL =		4 EACH

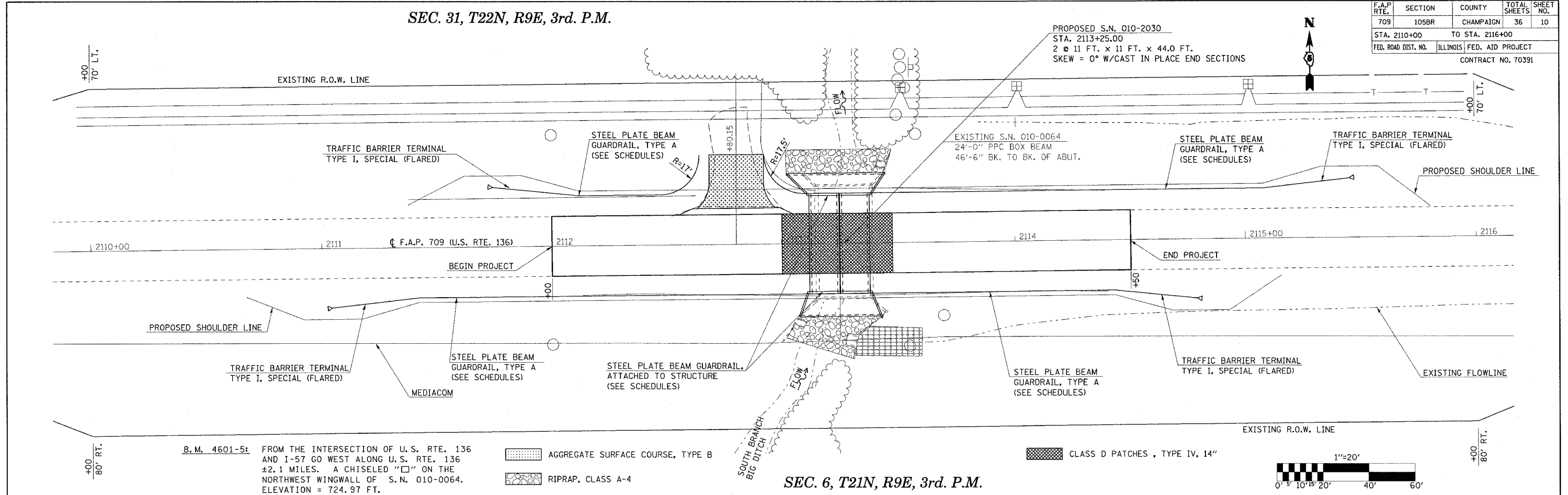
SEC. 31, T22N, R9E, 3rd. P.M.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105BR	CHAMPAIGN	36	10
STA. 2110+00		TO STA. 2116+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 70391				

PROPOSED S.N. 010-2030
 STA. 2113+25.00
 2 @ 11 FT. x 11 FT. x 44.0 FT.
 SKEW = 0° W/CAST IN PLACE END SECTIONS

DATE	BY	REVISIONS

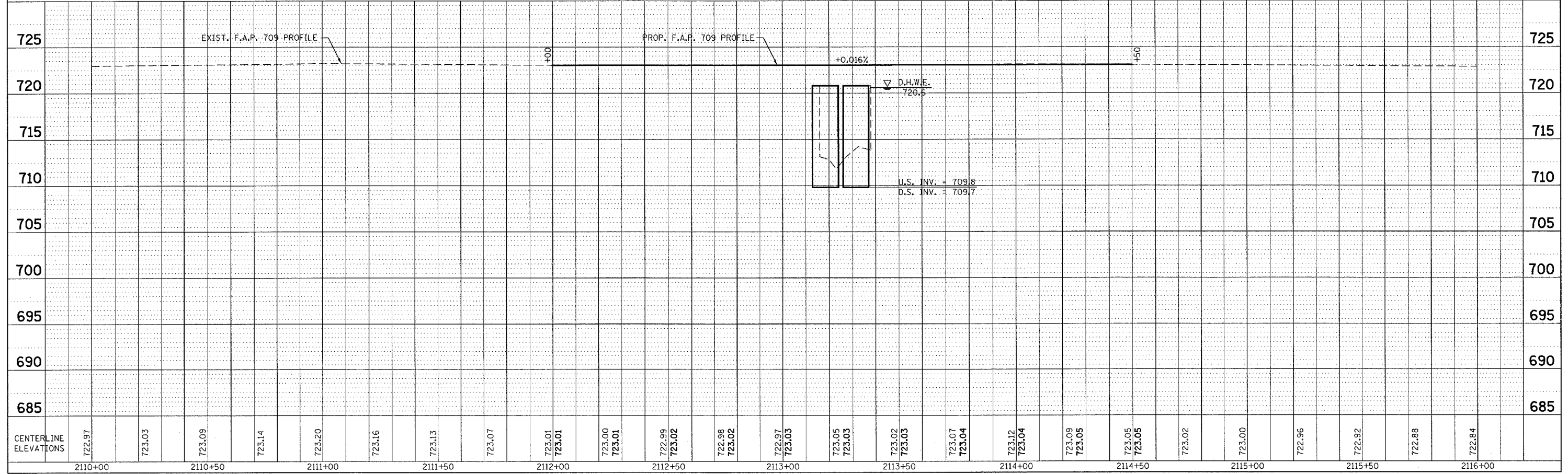
DATE	BY	REVISIONS



B.M. 4601-5: FROM THE INTERSECTION OF U.S. RTE. 136 AND I-57 GO WEST ALONG U.S. RTE. 136 ±2.1 MILES. A CHISELED "□" ON THE NORTHWEST WINGWALL OF S.N. 010-0064. ELEVATION = 724.97 FT.

- AGGREGATE SURFACE COURSE, TYPE B
- RIPRAP, CLASS A-4

SEC. 6, T21N, R9E, 3rd. P.M.

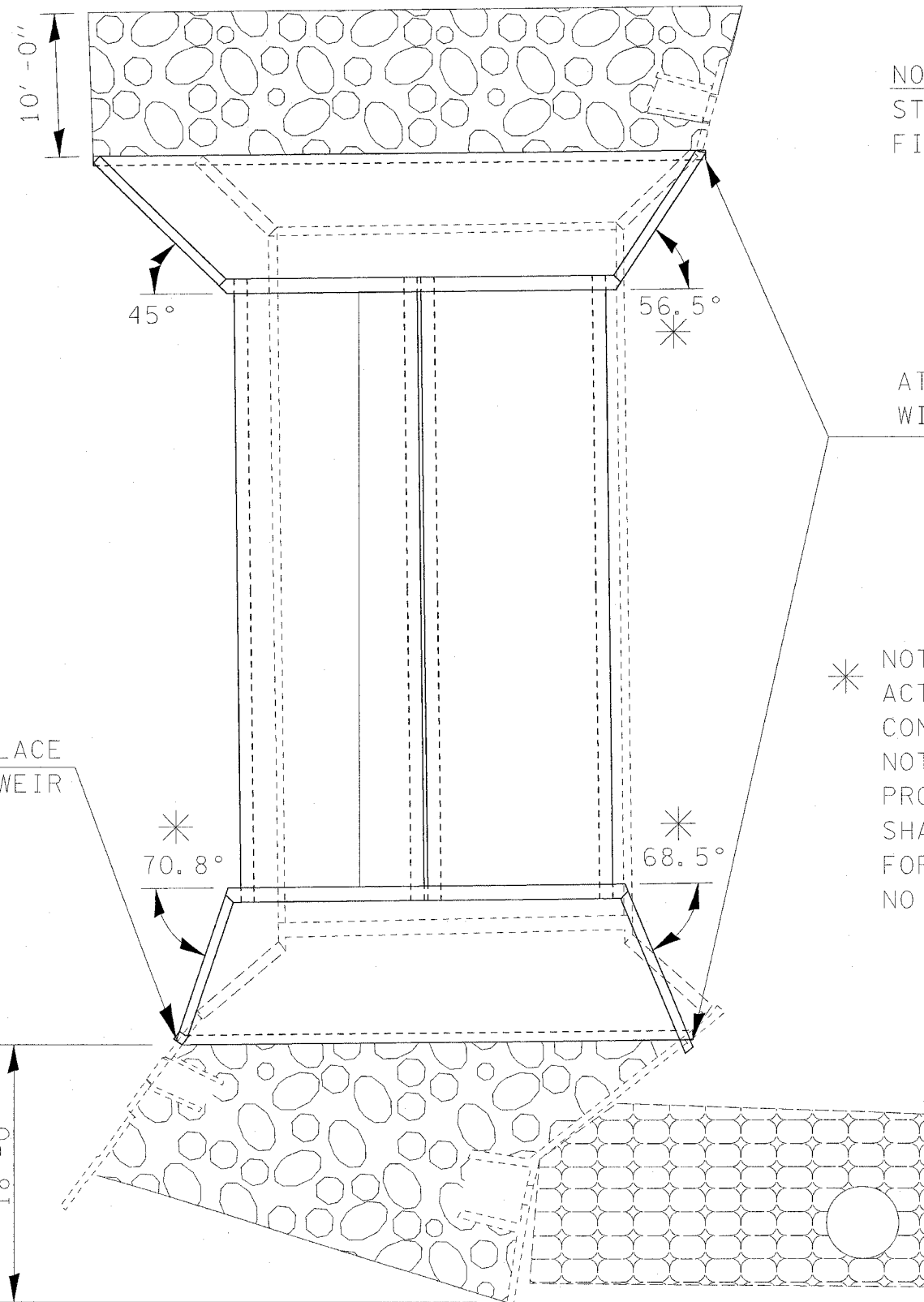


CENTERLINE ELEVATIONS	722.97	723.03	723.09	723.14	723.20	723.16	723.13	723.07	723.01	723.01	723.00	723.01	722.99	723.02	722.98	723.02	722.97	723.03	723.05	723.03	723.02	723.03	723.07	723.04	723.12	723.04	723.09	723.05	723.05	723.02	723.00	722.96	722.92	722.88	722.84		
	2110+00	2110+50	2111+00	2111+50	2112+00	2112+50	2113+00	2113+50	2114+00	2114+50	2115+00	2115+50	2116+00																								

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105BR	CHAMPAIGN	36	11

CONTRACT NO. 70391

PROPOSED WING WALL DESIGN



NORTH END
 STONE RIPRAP CLASS A-4 = 49 SQYDS
 FILTER FABRIC = 49 SQYDS

ATTACH PROPOSED CAST IN PLACE
 WING WALL TO EXISTING WEIR

ATTACH PROPOSED CAST IN PLACE
 WING WALL TO EXISTING WEIR

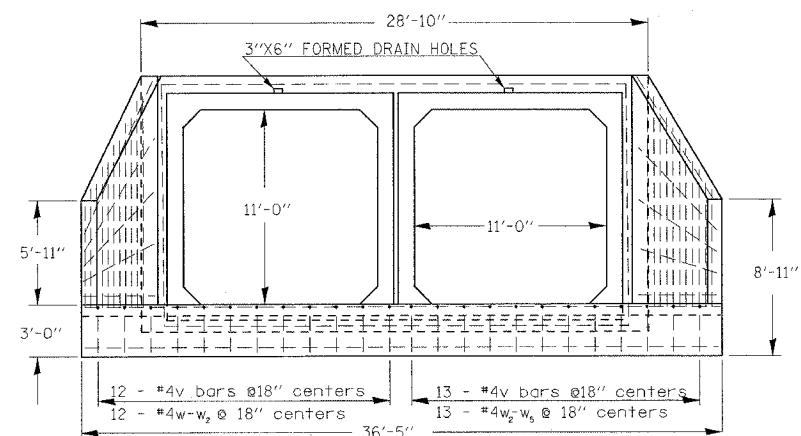
* NOTE: WING WALL ANGLES ARE APPROXIMATE,
 ACTUAL ANGLES SHALL BE FOUND WHEN
 CONNECTING TO EXISTING WEIRS.
 NOTE: ALL WORK ASSOCIATED WITH ATTACHING
 PROPOSED WINGWALLS TO EXISTING WEIRS
 SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE
 FOR BOX CULVERT END SECTION,
 NO ADDITIONAL COMPENSATION WILL BE ALLOWED

SOUTH END
 STONE RIPRAP CLASS A-4 = 48 SQYDS
 FILTER FABRIC = 48 SQYDS

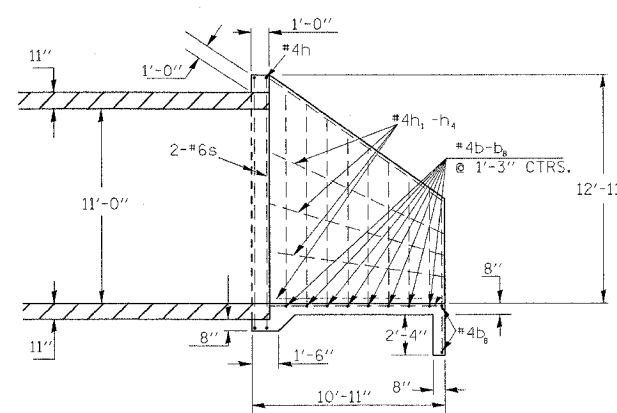


DETAIL OF BOX CULVERT END SECTION

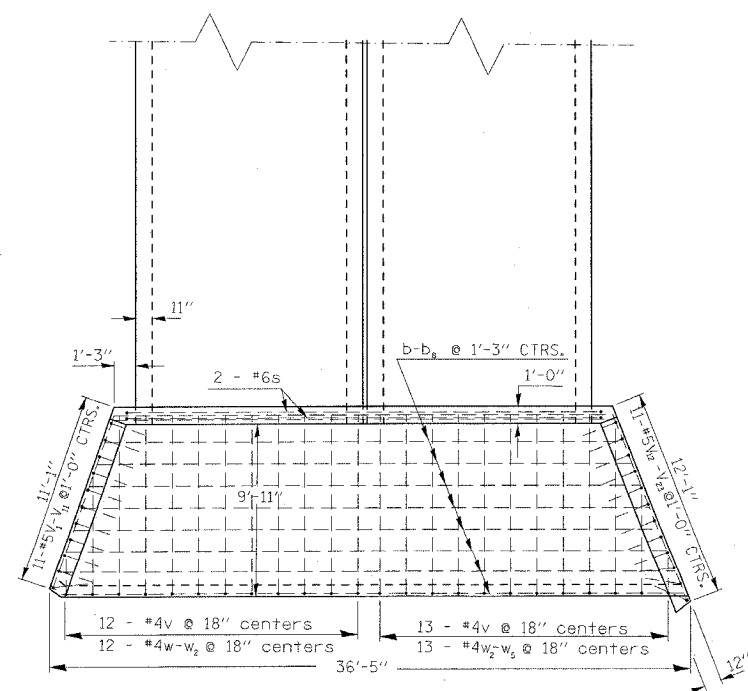
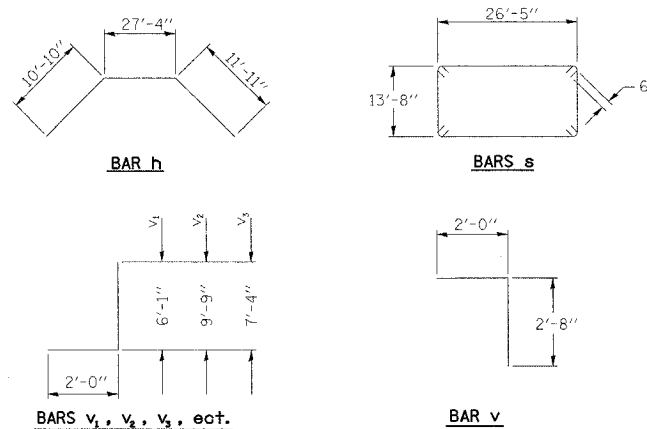
SOUTH END



SECTION A - A



END VIEW



PLAN

BILL OF MATERIAL (ONE HEADWALL)

Bar	No.	Size	Length (ft)	Shape
b	1	#4	28'-5"	---
b1	1	#4	29'-6"	---
b2	1	#4	30'-5"	---
b3	1	#4	31'-4"	---
b4	1	#4	32'-3"	---
b5	1	#4	33'-3"	---
b6	1	#4	34'-3"	---
b7	1	#4	35'-1"	---
b8	2	#4	35'-4"	---
h	2	#4	50'-1"	---
h1	2	#4	12'-0"	---
h2	2	#4	11'-8"	---
h3	2	#4	11'-4"	---
h4	2	#4	11'-0"	---
s	2	#6	14'-8"	---
s1	2	#6	27'-6"	---
s2	2	#6	14'-9"	---
s3	2	#6	27'-6"	---
v	25	#4	4'-8"	---
v1	2	#5	8'-1"	---
v2	2	#5	8'-9"	---
v3	2	#5	9'-4"	---
v4	2	#5	9'-11"	---
v5	2	#5	10'-7"	---
v6	2	#5	11'-2"	---
v7	2	#5	11'-9"	---
v8	2	#5	12'-5"	---
v9	2	#5	13'-0"	---
v10	2	#5	13'-8"	---
v11	2	#5	14'-3"	---
v12	2	#5	14'-10"	---
v13	2	#5	14'-3"	---
v14	2	#5	13'-10"	---
v15	2	#5	13'-3"	---
v16	2	#5	12'-8"	---
v17	2	#5	12'-1"	---
v18	2	#5	11'-6"	---
v19	2	#5	10'-11"	---
v20	2	#5	10'-4"	---
v21	2	#5	9'-9"	---
v22	2	#5	9'-2"	---
v23	2	#5	8'-7"	---
w	1	#4	2'-6"	---
w1	1	#4	6'-10"	---
w2	18	#4	10'-3"	---
w3	1	#4	9'-9"	---
w4	1	#4	6'-1"	---
w5	1	#4	2'-3"	---

Reinforcement Bars LB. 1055
Class SI Conc. Hdwall, CU. YD. 21.8

ITEM	UNIT	QUANT.
Box Culvert End Section	EACH	1
Expansion bolts, 3/4"	EACH	62

NOTES

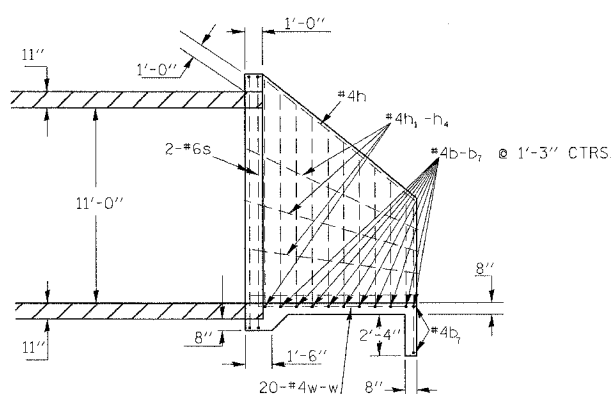
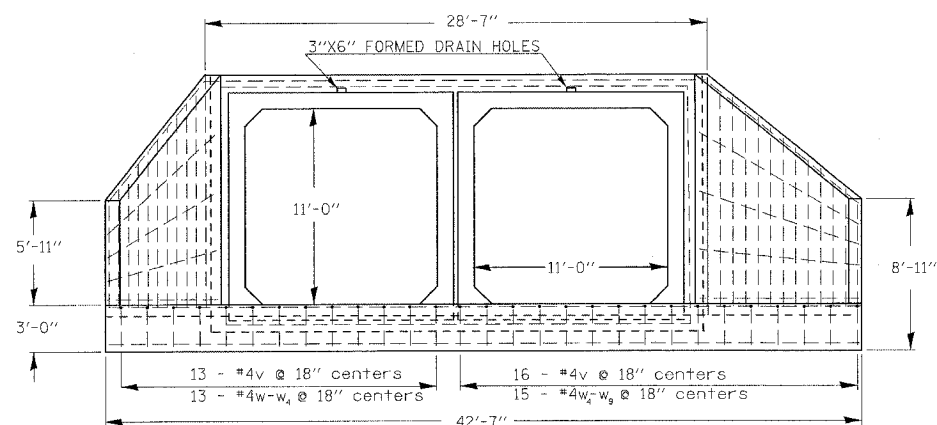
- All bars should be rounded and shall conform to the requirements of Art. 1006.10 of Standard Specs.
- Class SI Concrete shall be used throughout.
- The Precast Concrete Box Culvert Sections shall conform to the requirements of AASHTO M273.
- All dimensions are in FEET (')-INCHES (") unless otherwise noted.
- Concrete and Rebar quantities and lengths calculated for the cast-in-place End Sections will vary based on the precast box culverts supplied.
- End Sections will be paid for at the contract unit price each for BOX CULVERT END SECTION CULVERT NO., as outlined in Art. 540.08, which prices shall include all concrete, rebar, and all other items necessary to complete the proposed work. Work required to attach the proposed wingwalls to the existing weirs shall be included in the unit price for BOX CULVERT END SECTION and no additional compensation will be allowed.
- Drain holes shall be provided in accordance with Art. 503.12.
- Drawings not to scale.

BOX CULVERT END SECTIONS (CAST IN PLACE)
2 @ 11.0' X 11.0'

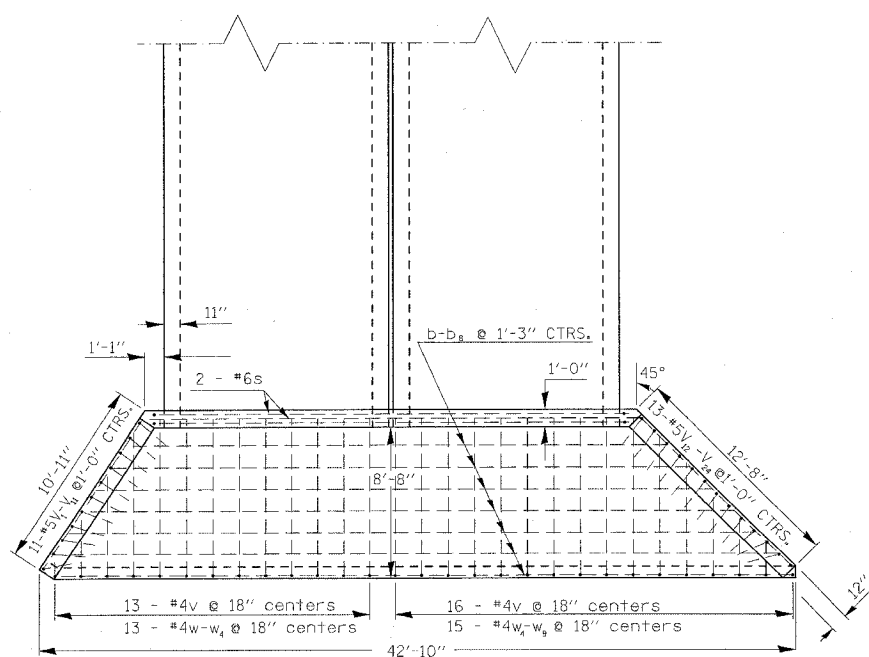
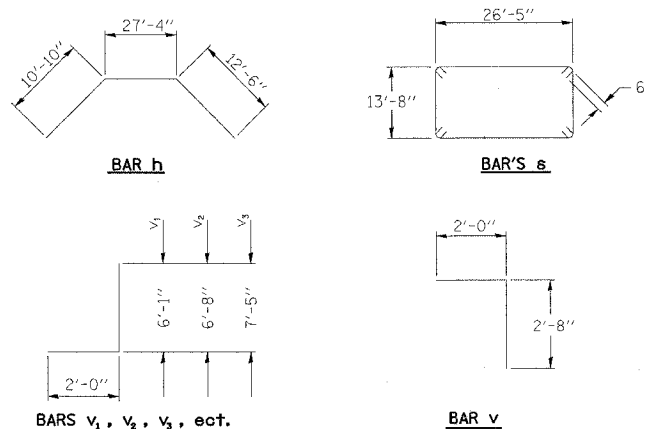
CULVERT DETAIL SOUTH

DETAIL OF BOX CULVERT END SECTION

NORTH END



END VIEW



NOTES

- All bars should be rounded and shall conform to the requirements of Art. 1006.10 of Standard Specs.
- Class SI Concrete shall be used throughout.
- The Precast Concrete Box Culvert Sections shall conform to the requirements of AASHTO M273.
- All dimensions are in FEET (')-INCHES (") unless otherwise noted.
- Concrete and Rebar quantities and lengths calculated for the cast-in-place End Sections will vary based on the precast box culverts supplied.
- End Sections will be paid for at the contract unit price each for BOX CULVERT END SECTION CULVERT, as outlined in Art. 540.08, which prices shall include all concrete, rebar, and all other items necessary to complete the proposed work. Work required to attach the proposed wingwalls to the existing weirs shall be included in the unit price for BOX CULVERT END SECTION and no additional compensation will be allowed.
- Drain holes shall be provided in accordance with Art. 503.12.
- Drawings not to scale.

BILL OF MATERIAL (ONE HEADWALL)

Bar No.	Size	Length (ft)	Shape
b	#4	28'-5"	
b1	#4	30'-11"	
b2	#4	32'-12"	
b3	#4	35'-0"	
b4	#4	37'-1"	
b5	#4	39'-2"	
b6	#4	41'-3"	
b7	#4	41'-11"	
h	#4	50'-8"	
h1	#4	11'-4"	
h2	#4	11'-8"	
h3	#4	12'-0"	
h4	#4	12'-4"	
h5	#4	13'-0"	
h6	#4	13'-4"	
h7	#4	13'-8"	
h8	#4	14'-0"	
s	#6	14'-9"	
s1	#6	27'-6"	
s2	#6	14'-9"	
s3	#6	27'-6"	
v	#4	4'-8"	
v1	#5	8'-1"	
v2	#5	8'-8"	
v3	#5	9'-5"	
v4	#5	10'-1"	
v5	#5	10'-9"	
v6	#5	11'-5"	
v7	#5	12'-1"	
v8	#5	12'-10"	
v9	#5	13'-6"	
v10	#5	14'-2"	
v11	#5	15'-1"	
v12	#5	14'-11"	
v13	#5	14'-4"	
v14	#5	13'-9"	
v15	#5	13'-2"	
v16	#5	12'-7"	
v17	#5	12'-1"	
v18	#5	11'-6"	
v19	#5	10'-11"	
v20	#5	10'-4"	
v21	#5	9'-9"	
v22	#5	9'-2"	
v23	#5	8'-7"	
v24	#5	8'-1"	
w	#4	1'-5"	
w1	#4	3'-8"	
w2	#4	5'-12"	
w3	#4	8'-3"	
w4	#4	9'-0"	
w5	#4	8'-0"	
w6	#4	6'-6"	
w7	#4	5'-0"	
w8	#4	3'-6"	
w9	#4	1'-10"	
Reinforcement Bars			LB. 1120
Class SI Conc. Hdwall.			CU. YD. 21.2

ITEM	UNIT	QUANT.
Box Culvert End Section	EACH	1
Expansion bolts, 3/4"	EACH	58

BOX CULVERT END SECTIONS
(CAST IN PLACE)
2 @ 11.0' X 11.0'

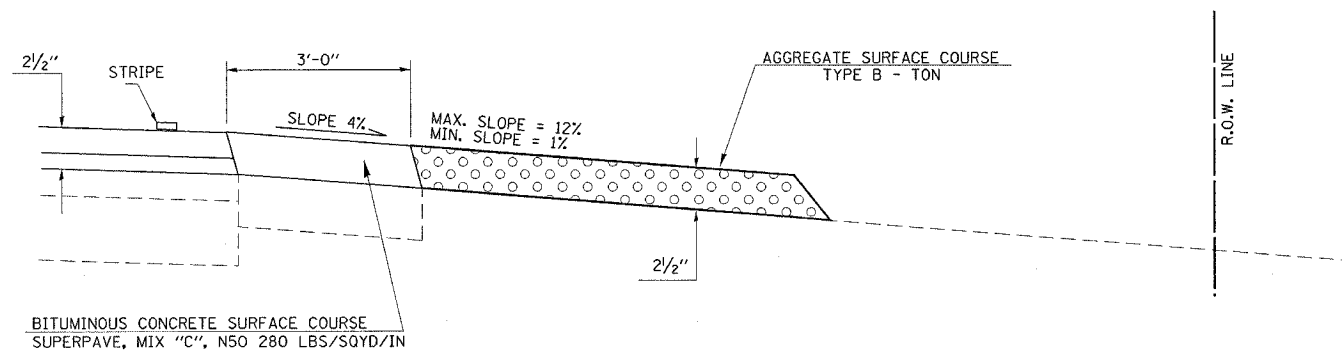
CULVERT DETAIL NORTH

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105BR	CHAMPAIGN	36	14

CONTRACT: 70391

DETAIL OF RURAL FIELD ENTRANCES

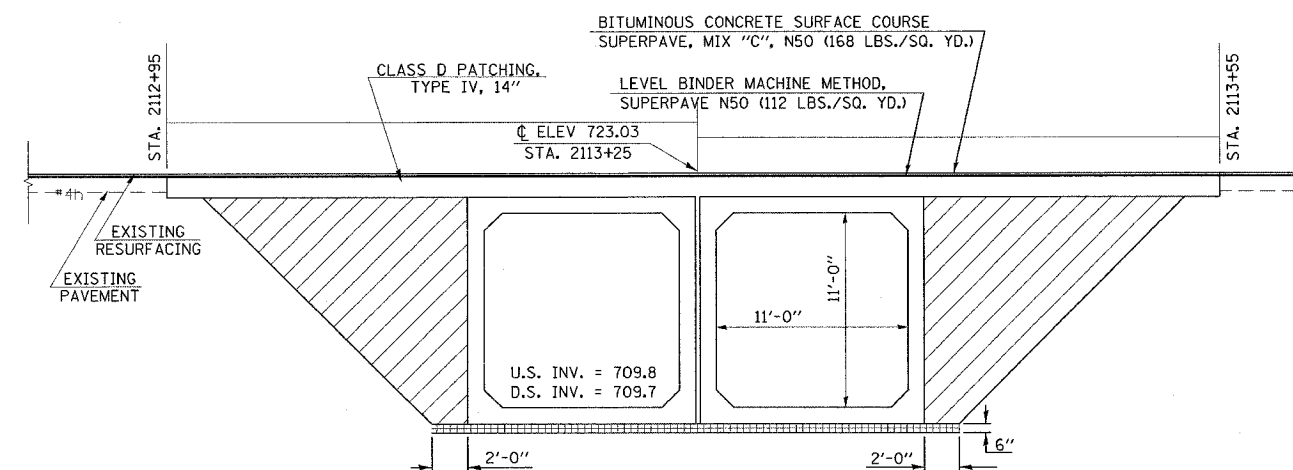
ADJACENT TO PROPOSED RESURFACING, 2 1/2" (AGGREGATE)



NOTE: THE INCIDENTAL BITUMINOUS SURFACING IS INTENDED TO RESURFACE THE EXISTING ENTRANCES IN THEIR ENTIRETY. THE EXISTING ENTRANCES SHOULD BE RESURFACED TO MAINTAIN THEIR CURRENT RADII.

PROFILE

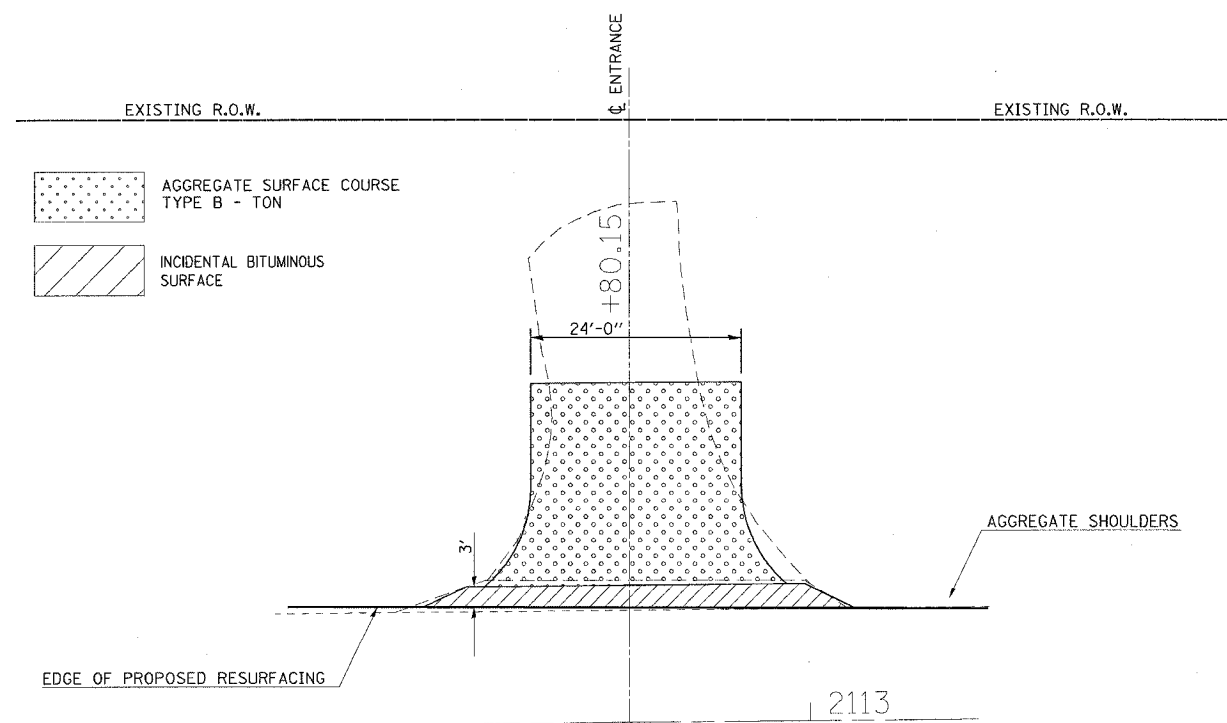
DETAIL OF POROUS GRANULAR BACKFILL PAY LIMITS



/// PAY LIMITS OF POROUS GRANULAR BACKFILL - CA 6
NOTE: POROUS GRANULAR BACKFILL SHALL EXTEND 18'-0" EACH SIDE OF F.A.P. 709 CENTERLINE
PLAN TOTAL = 288.0 CUYDS

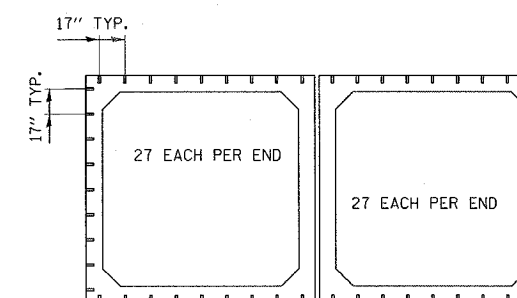
□ PROPOSED DOUBLE 11'-0" x 11'-0" x 43'-6" PRECAST CONCRETE BOX CULVERT
A.R. STATION 2113+25

□ POROUS GRANULAR MATERIAL - CA 7 (6")
(INCLUDED IN PAY ITEM FOR PRECAST BOX CULVERT)



PLAN

DETAIL OF EXPANSION BOLT, 3/4" LAYOUT

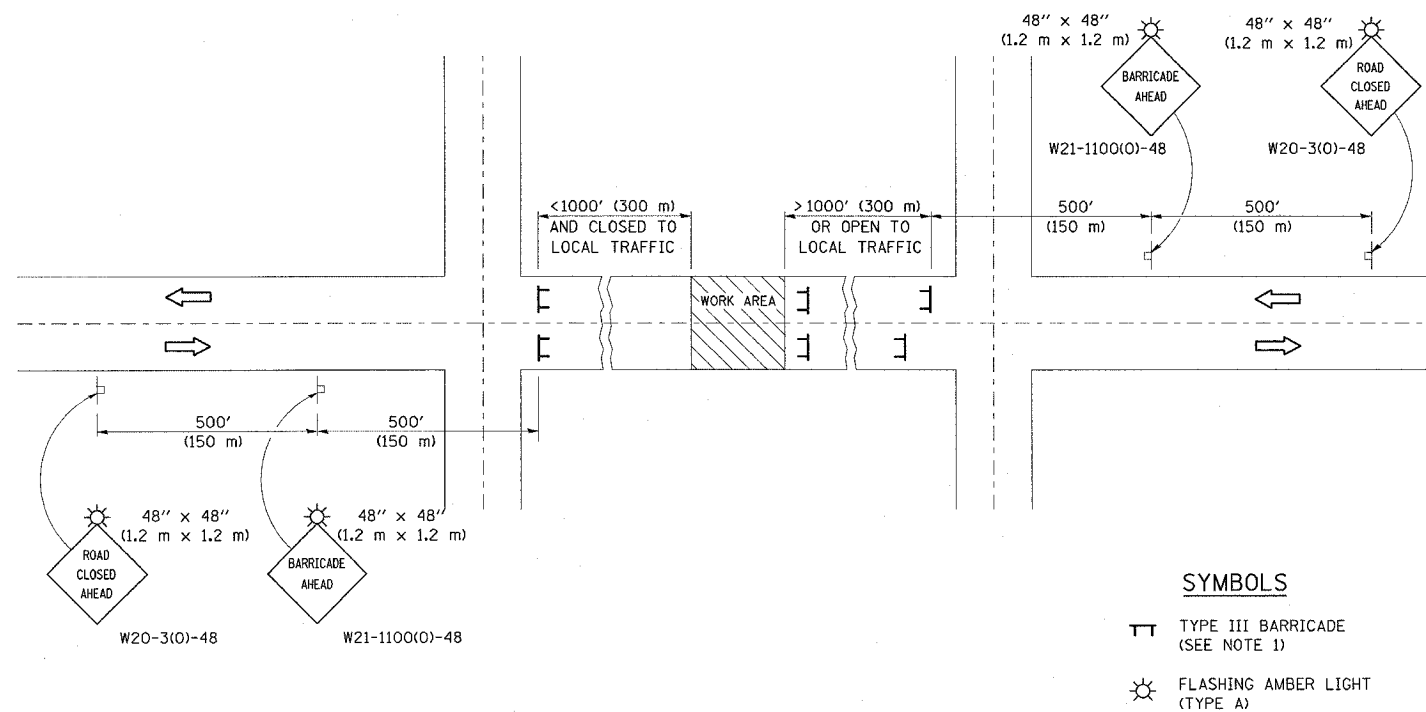


27 EACH PER END X 4 ENDS = 108 EACH

ATTACHING TO EXISTING WEIRS
USE 4 EACH X 3 WEIRS = 12 EACH

TOTAL QUANTITY
EXPANSION BOLTS, 3/4" = 120 EACH

TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR ROAD CLOSURE



GENERAL NOTES

1. TYPE III BARRICADES SHALL BE AS SHOWN ON STANDARD 702001 "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
2. IF THE ROAD IS OPEN TO LOCAL TRAFFIC OR EXCEEDS 1000' (300 m), ANOTHER SET OF TYPE III BARRICADES, EQUIPPED AS IN NOTE 1 ABOVE, SHALL BE PLACED AT EACH END OF THE WORK AREA.
3. WHEN A STOP CONDITION EXISTS, NO SIGNS ARE REQUIRED IN ADVANCE OF THE "STOP" SIGN WHEN THE ROAD IS CLOSED WITHIN 100' (30 m) OF THE INTERSECTION.
4. STANDARD 702001 SHALL APPLY FOR THE PLACEMENT & DESIGN OF TYPE III BARRICADES.
5. IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON AN NCHRP 350 TEMPORARY SIGN SUPPORT DIRECTLY IN FRONT OF THE BARRICADE.
6. REFLECTORIZED STRIPING SHALL APPEAR ON BOTH SIDES OF THE TYPE III BARRICADES IF ROAD IS OPEN TO LOCAL TRAFFIC.
7. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
8. A MINIMUM OF TWO FLASHING LIGHTS SHALL BE USED AT NIGHT ON EACH APPROACH IN ADVANCE OF THE WORK AREA. FLASHING LIGHTS SHALL BE INSTALLED ABOVE THE FIRST TWO SIGNS IN THE SERIES.
9. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
10. FORMS BT. 725 AND BT. 726 ARE REQUIRED.
11. WHEN A SIDEROAD INTERSECTS THE HIGHWAY ON WHICH WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC DEVICES SHALL BE ERECTED AND PROVIDED AS DIRECTED BY THE ENGINEER.
12. AN ADDITIONAL SIGN MAY BE REQUIRED AT A MAJOR INTERSECTING ROAD IN ADVANCE OF THE CLOSURE. THE ADDITIONAL SIGN SHALL GIVE THE DISTANCE TO THE BARRICADE IN MILES OR FRACTIONS OF A MILE.

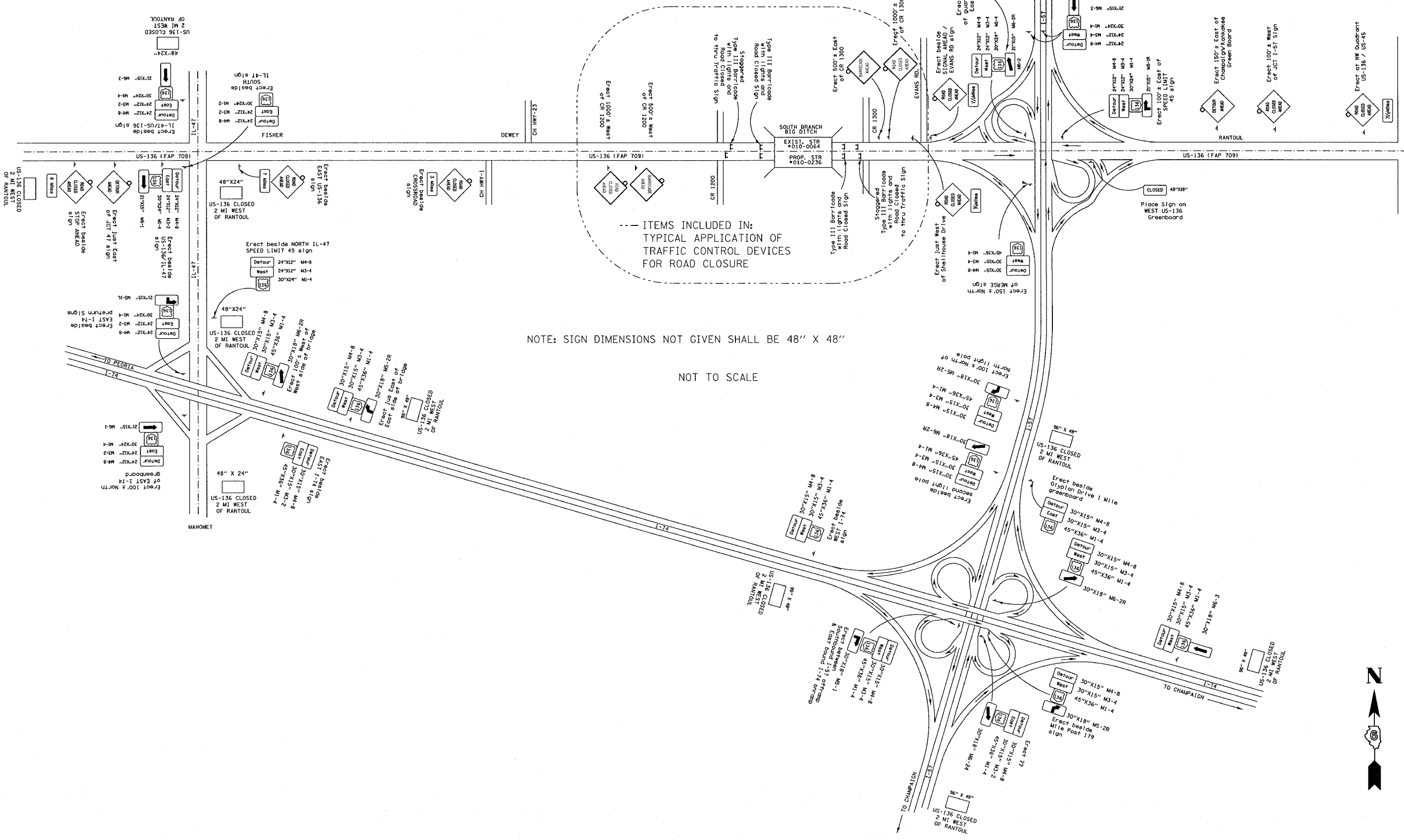
	NAME	DATE	REVISIONS	
DESIGNED	J.H.M.	8-11-87	NAME	DATE
CHECKED	P.E.K.	8-25-87	R.M.H.	12/97
CADD NO.	F-5.03		C.P./K.A.G.	01/05

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

SIGNING FOR ROAD CLOSURE DETAIL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105BR	CHMIPAIGN	36	16

CONTRACT NO. 70391



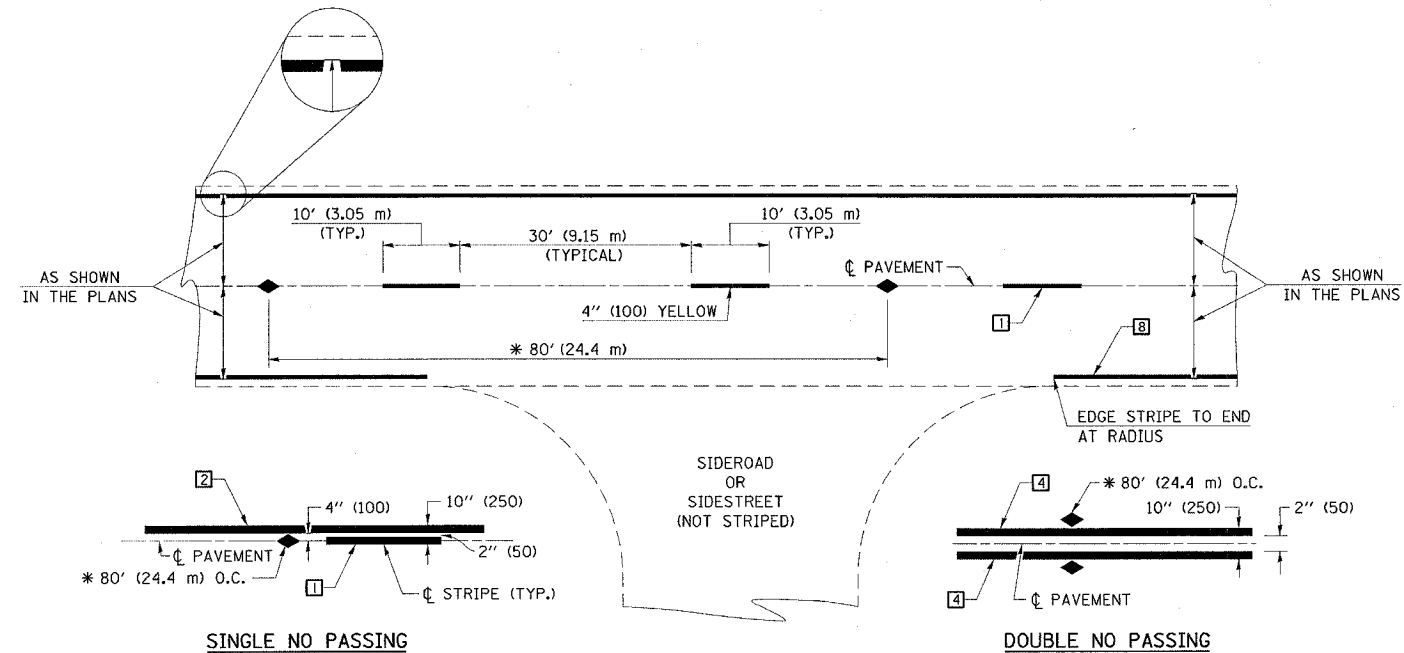
--- ITEMS INCLUDED IN:
TYPICAL APPLICATION OF
TRAFFIC CONTROL DEVICES
FOR ROAD CLOSURE

NOTE: SIGN DIMENSIONS NOT GIVEN SHALL BE 48" X 48"

NOT TO SCALE



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.

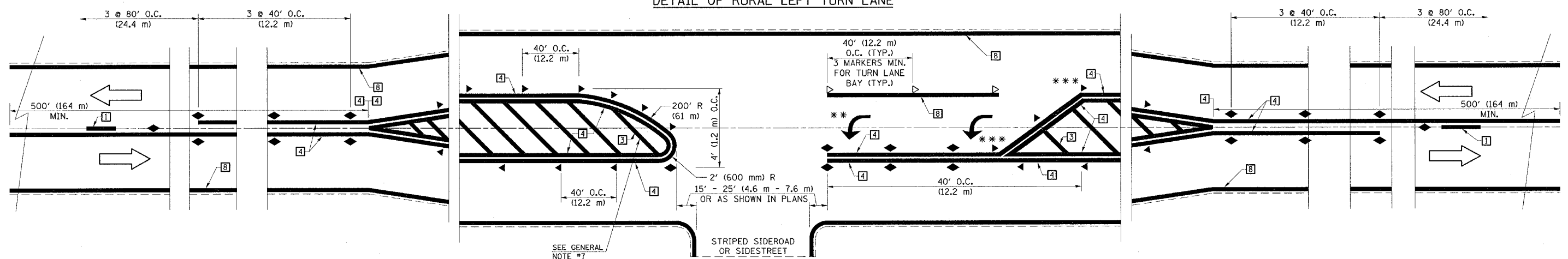
TYPICAL PAVEMENT MARKING LEGEND

- 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.

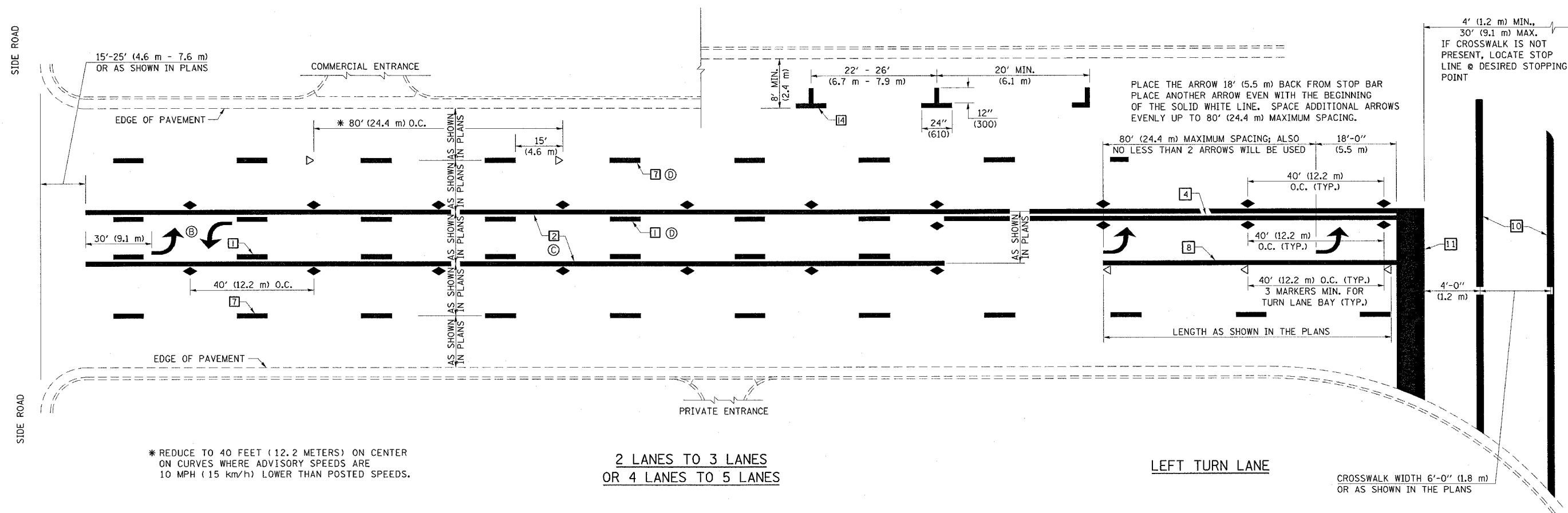
** TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

SHEET 1 OF 3

DESIGNED	NAME	DATE	REVISIONS
J.M.H.		5/85	
FMS		6/88	
CDD		6/88	
CADD NO.	F-5.25		

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

TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS

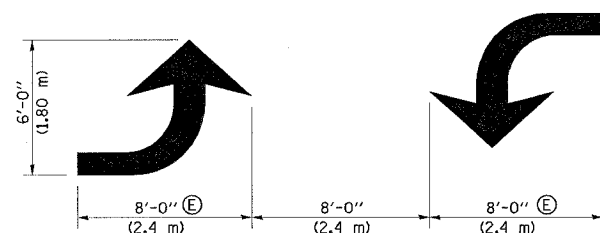


SHEET 2 OF 3

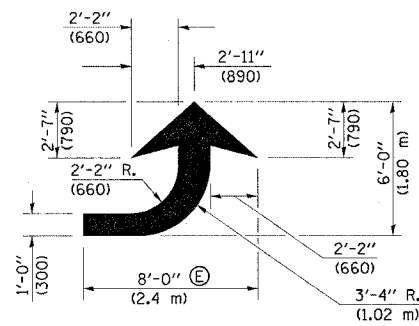
DESIGNED	NAME	DATE	REVISIONS	NAME	DATE
J.M.H.	J.M.H.	5/85			
FMS	FMS	6/85			
CTD	CTD	6/85			
CADD NO.	F-5.25			K.A.G.	08/04

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

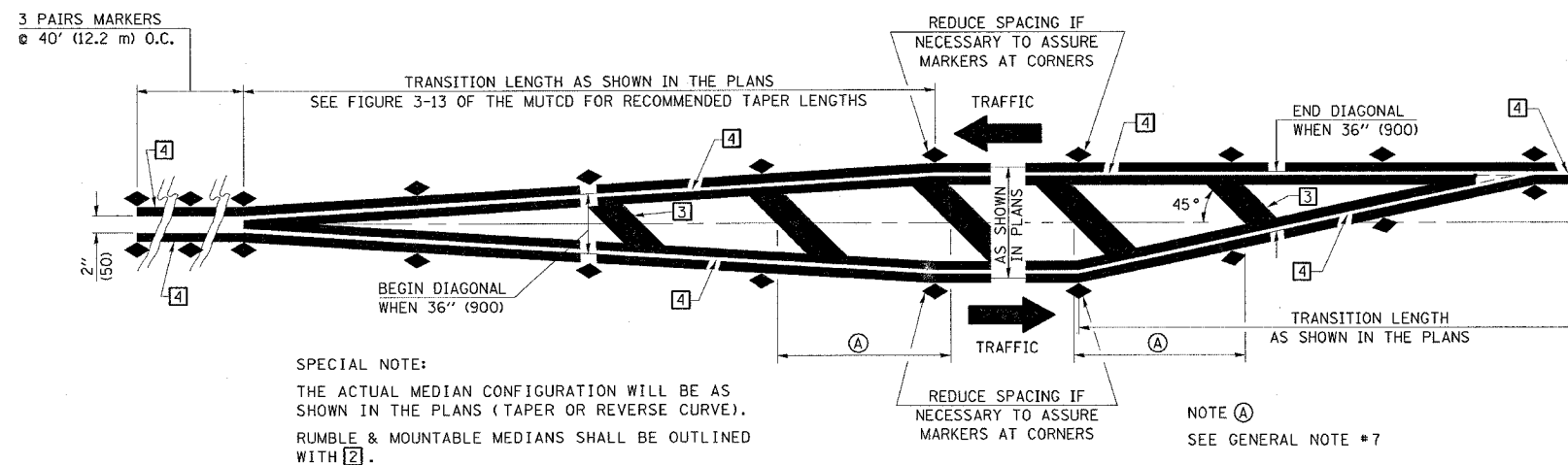
TYPICAL APPLICATIONS OF PAVEMENT MARKINGS AND MARKERS



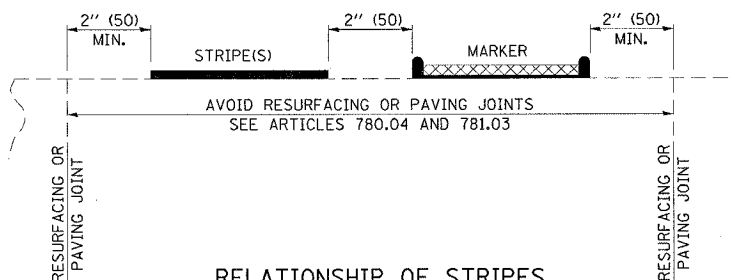
TYPICAL DOUBLE TURN ARROWS (WHITE)



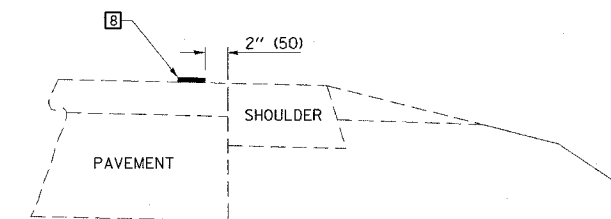
LEFT ARROW
REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m²)
(WHITE)



TYPICAL MEDIAN TRANSITIONS



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

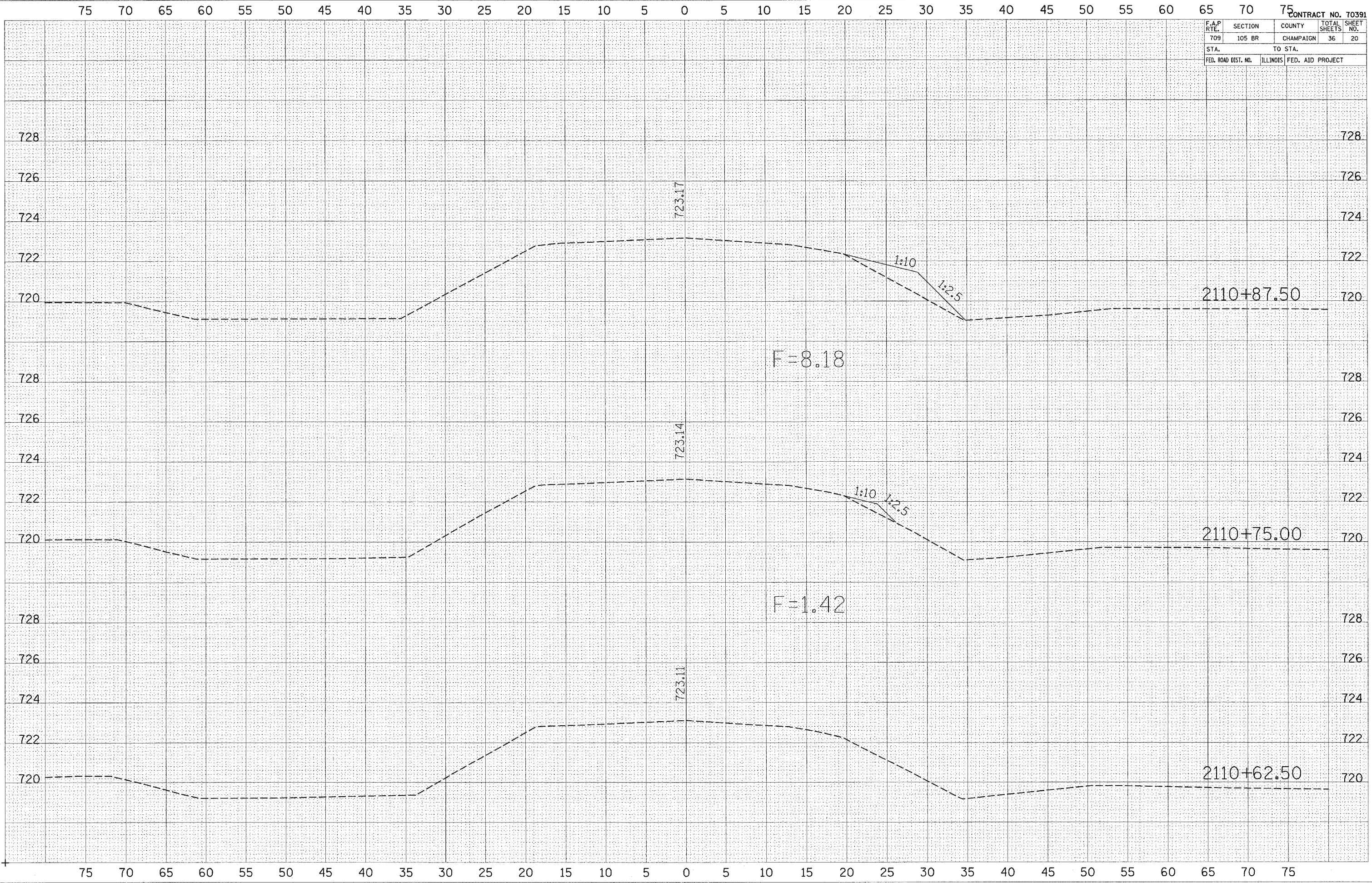
1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SCALE: NONE
3. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
4. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
5. A STRIPING KEY IS AVAILABLE 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 3

NAME	DATE	REVISIONS
DESIGNED	J.M.H. 5/85	NAME
CHECKED	FMS CTD 6/85	GEOMETRICS/K.A.G. 07/02
CADD NO.	F-5.25	K.A.G. 08/04

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105 BR	CHAMPAIGN	36	20
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED
 BY: _____ DATE: _____

ORIGINAL SURVEY PLOTTED TEMPLATE AREAS CHECKED
 BY: _____ DATE: _____

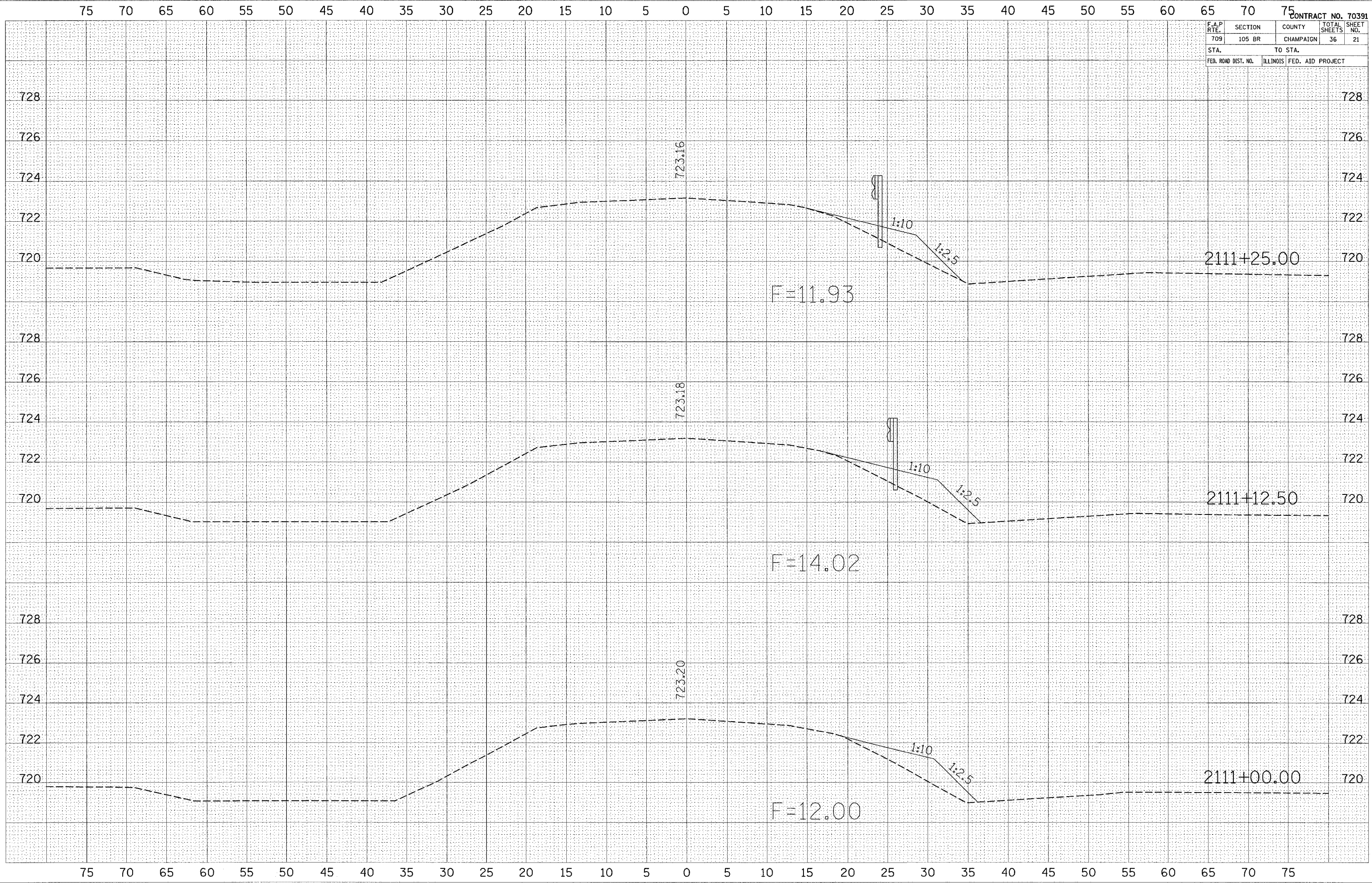
PLOT DATE = 4/7/2005
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 USER NAME = shahgym

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105 BR	CHAMPAIGN	36	21
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

FINAL SURVEY	DATE
NO. _____	BY _____
NO. _____	DATE _____

ORIGINAL SURVEY	DATE
NO. _____	BY _____
NO. _____	DATE _____

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 USER NAME = bshenigm

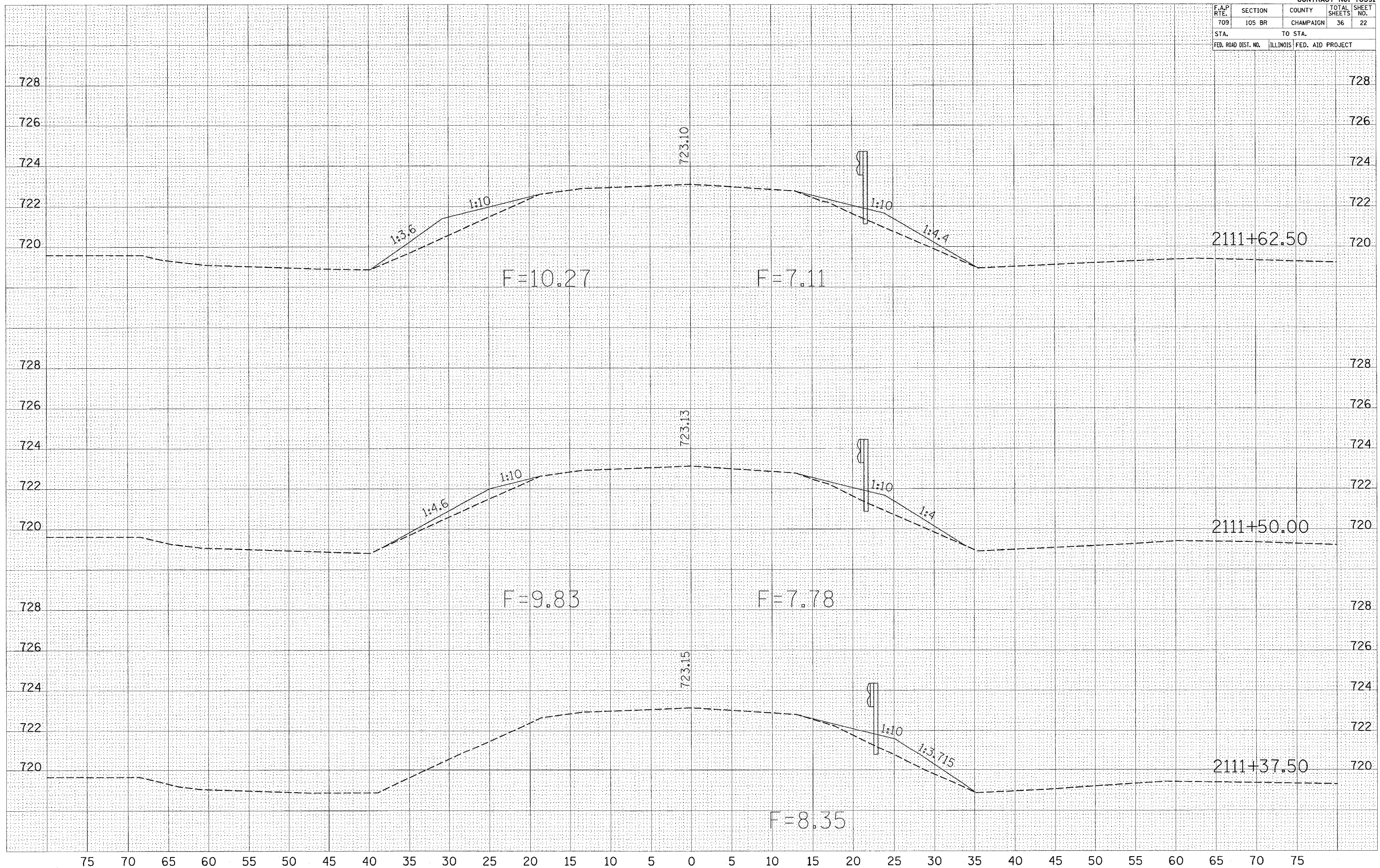


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105 BR	CHAMPAIGN	36	22
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY

DATE	BY

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 USER NAME = animgun

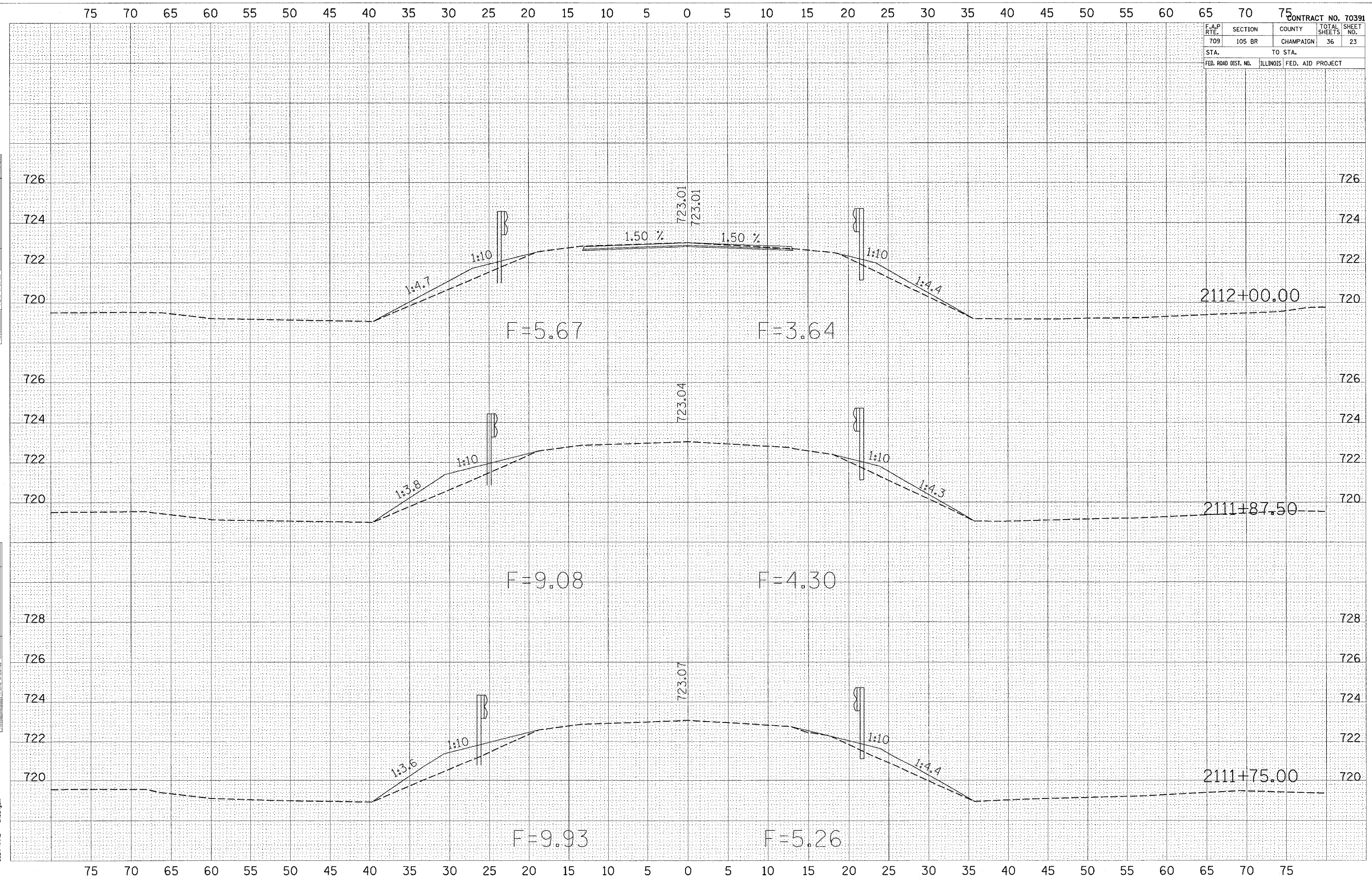


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105 BR	CHAMPAIGN	36	23
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

DATE	
BY	
NO.	
FINI SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
NO.	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

PLOT DATE = 4/1/2008
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 PLOT SCALE = 4.9861 / IN.
 USER NAME = sheehyun



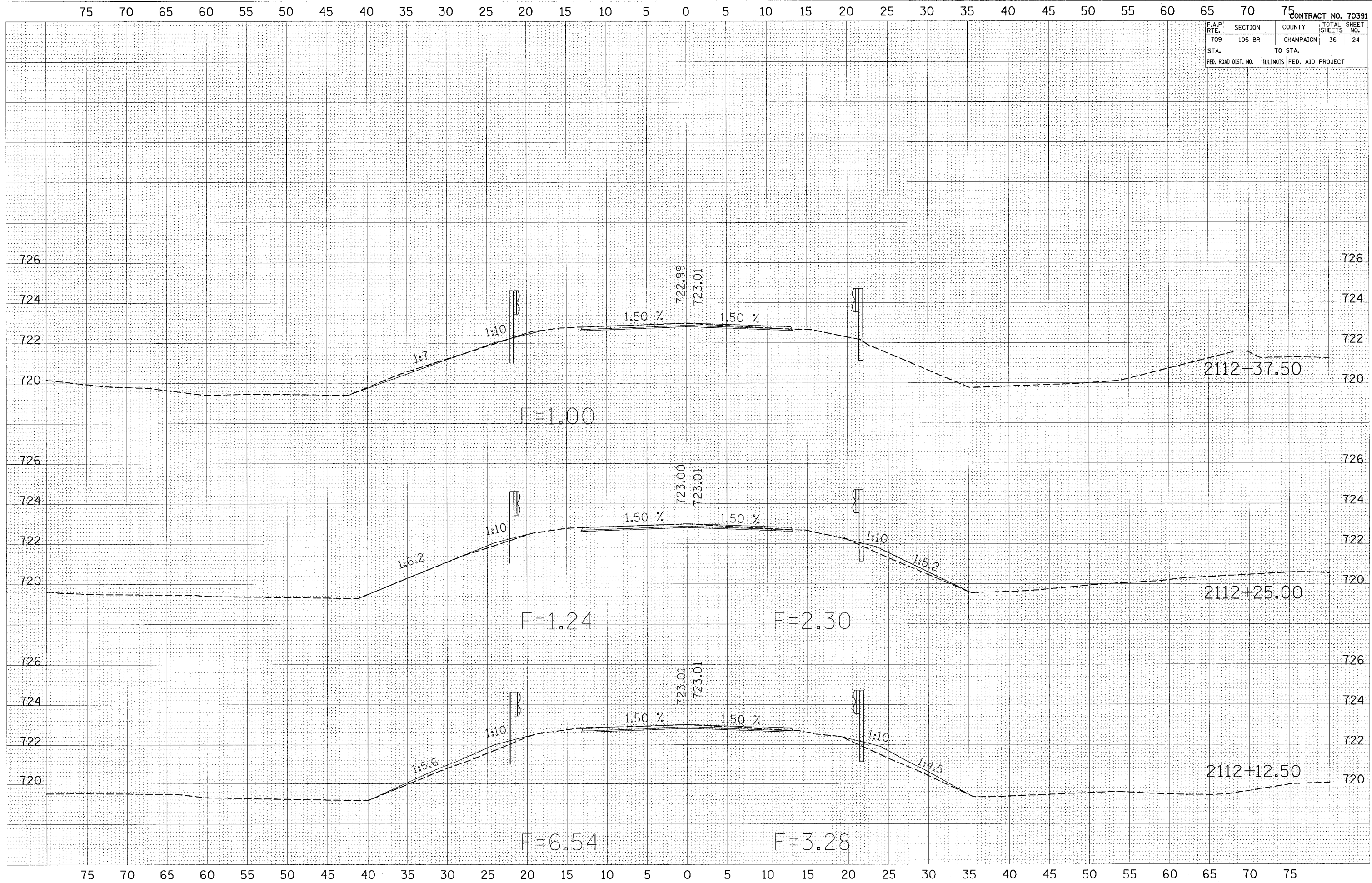
75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105 BR	CHAMPAIGN	36	24
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	DATE
CONVERTED	BY
PROTECTED	
TEMPLATE	
AREAS	
CHECKED	

ORIGINAL SURVEY	DATE
PROTECTED	BY
TEMPLATE	
AREAS	
CHECKED	

PLOT DATE = 4/1/2005
 FILE NAME = c:\proje\ca\883481\un36a12.dgn
 PLOT SCALE = 4.9881 / IN.
 USER NAME = sreejgm

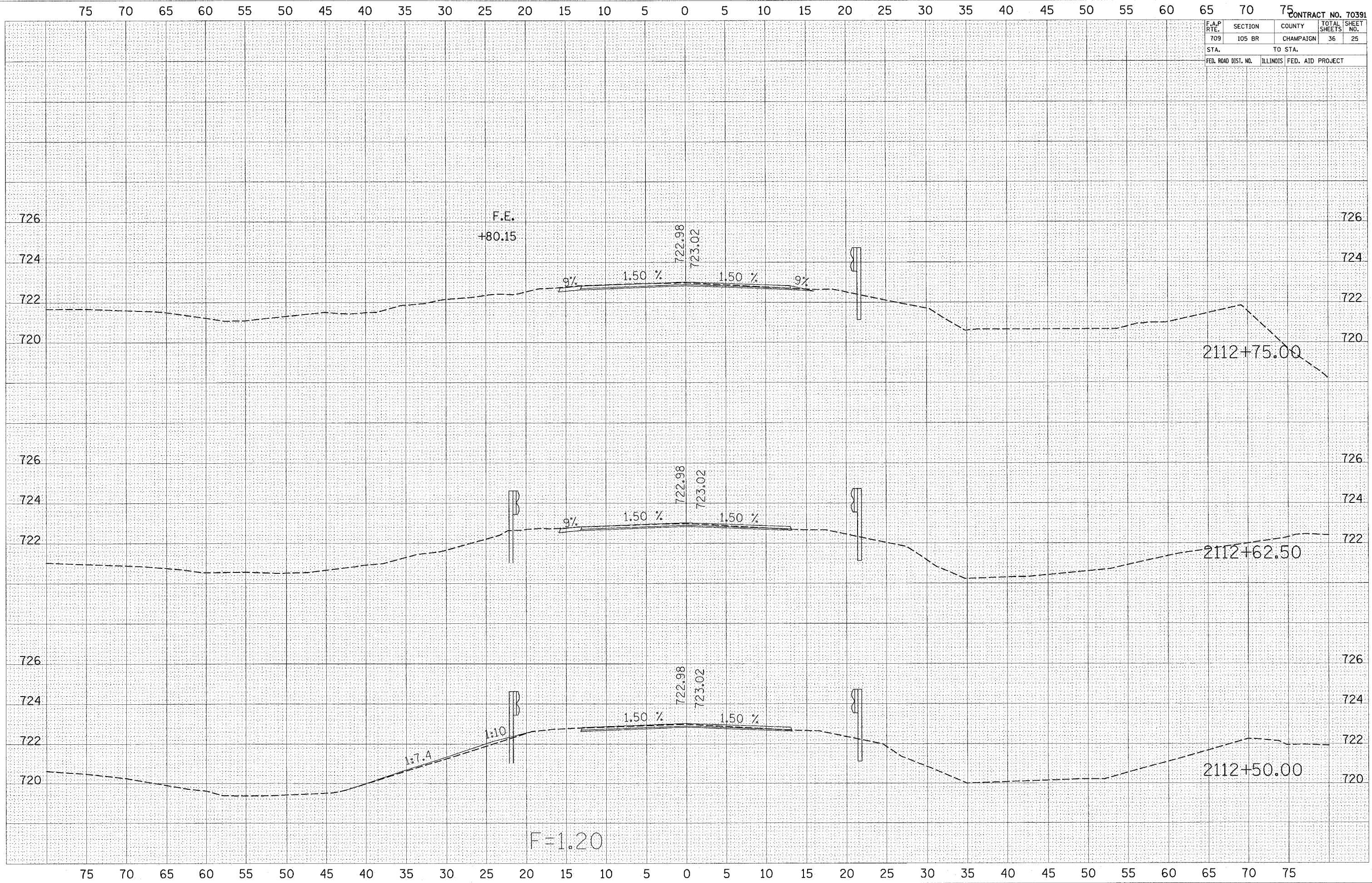


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105 BR	CHAMPAIGN	36	25
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS	
	CHECKED	

PLOT DATE = 4/1/2005
 FILE NAME = c:\p\proj\cham\503\04\10\36\025.dgn
 SCALE = 4/861 / IN.
 USER NAME = shenjun



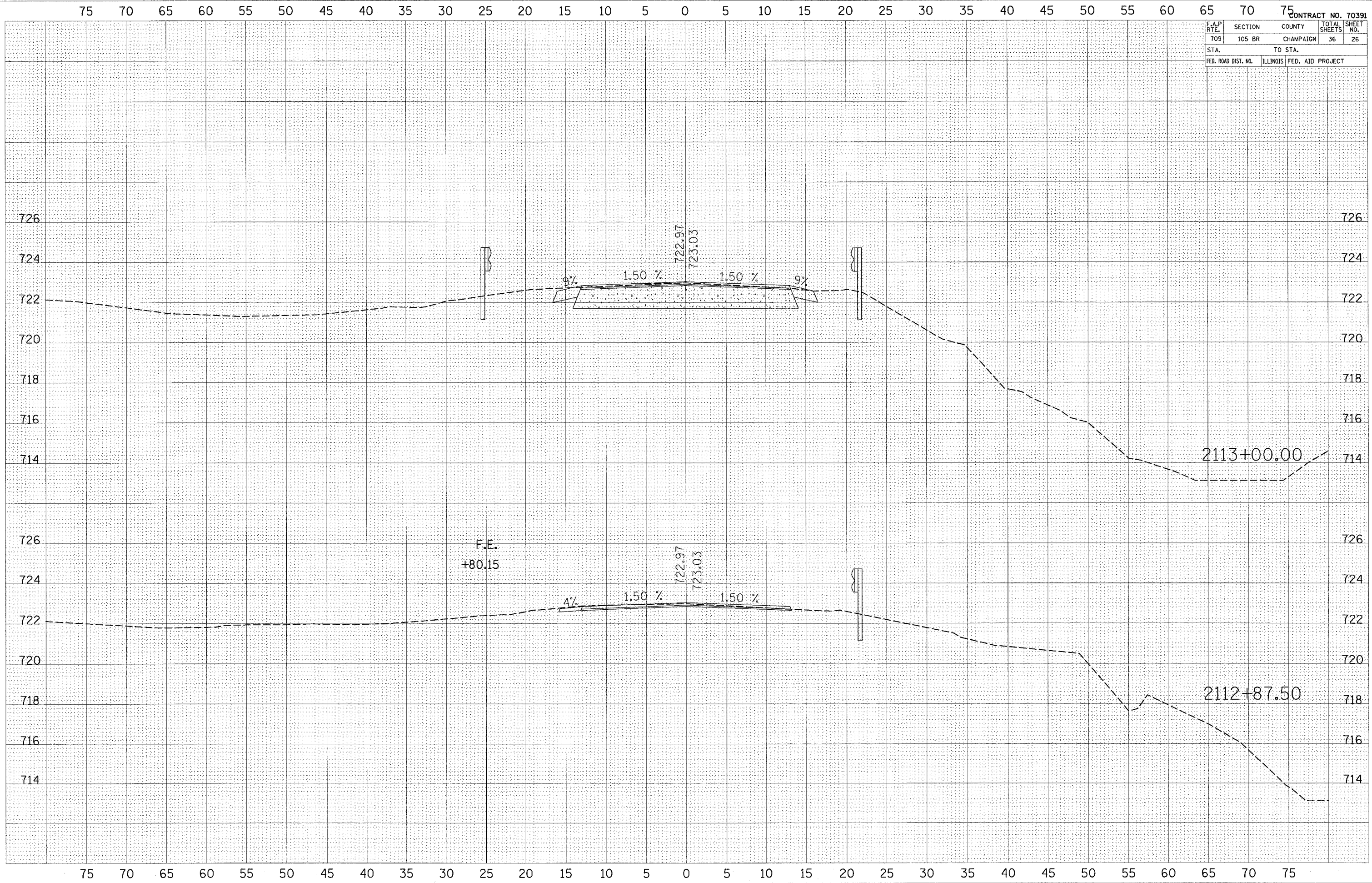
75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105 BR	CHAMPAIGN	36	26
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEY	DATE
NOTE BOOK	PLOTE	
NO.	AREAS CHECKED	

PLOT DATE = 4/1/2005
 FILE NAME = c:\p\projects\4593484\un186e12.dgn
 SCALE = 4:881 / 1" = 100'
 USER NAME = shenqum

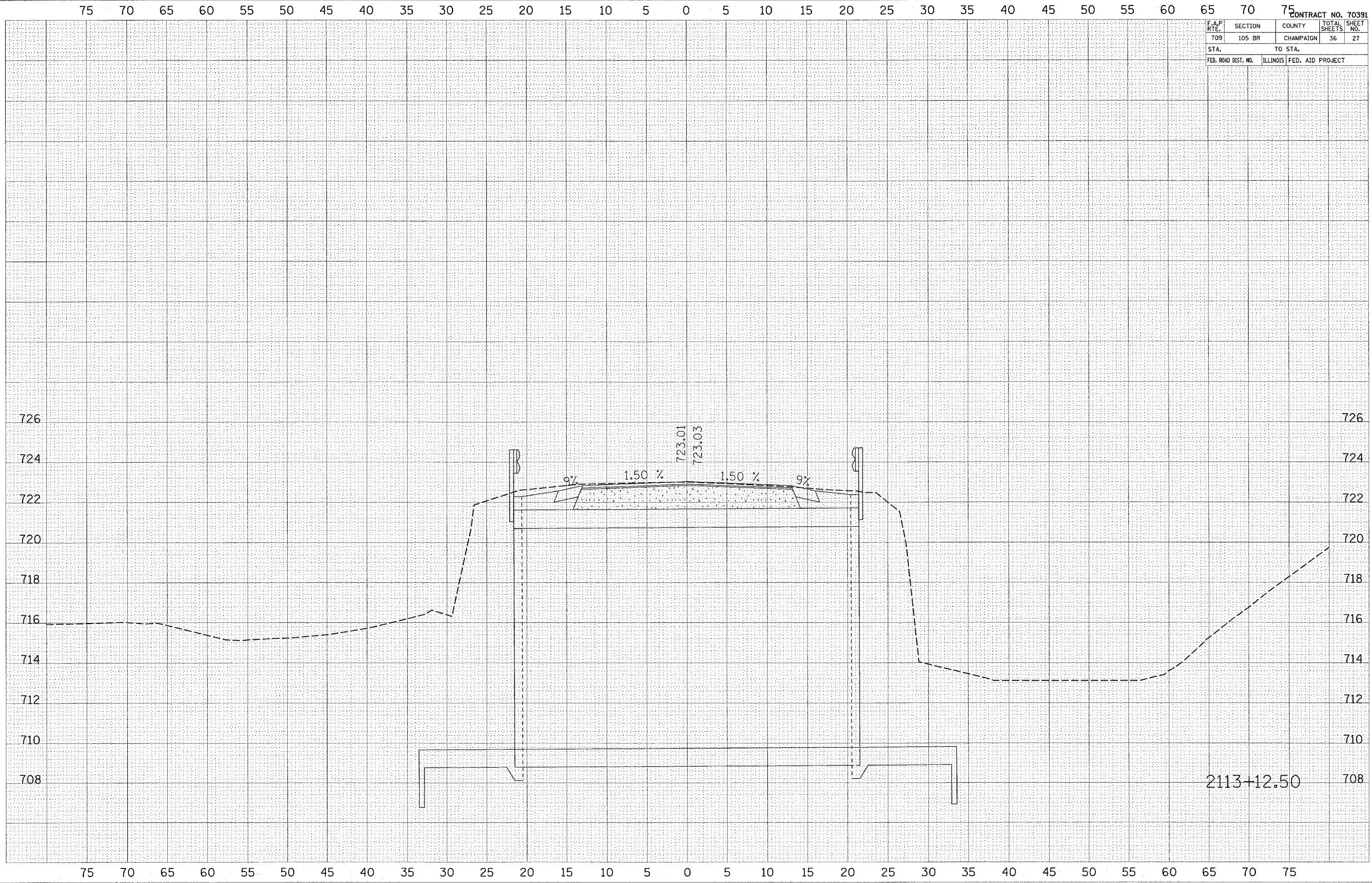


F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105 BR	CHAMPAIGN	36	27
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	AREAS CHECKED	

ORIGINAL SURVEY	SURVEY	DATE
NOTE BOOK	PLOTE	
NO.	AREAS CHECKED	

PLOT DATE = 4/1/2005
 FILE NAME = c:\p\proj\p\cham\105br\105br12.dgn
 PLOT SCALE = 4"=80' / IN.
 USER NAME = shwngm

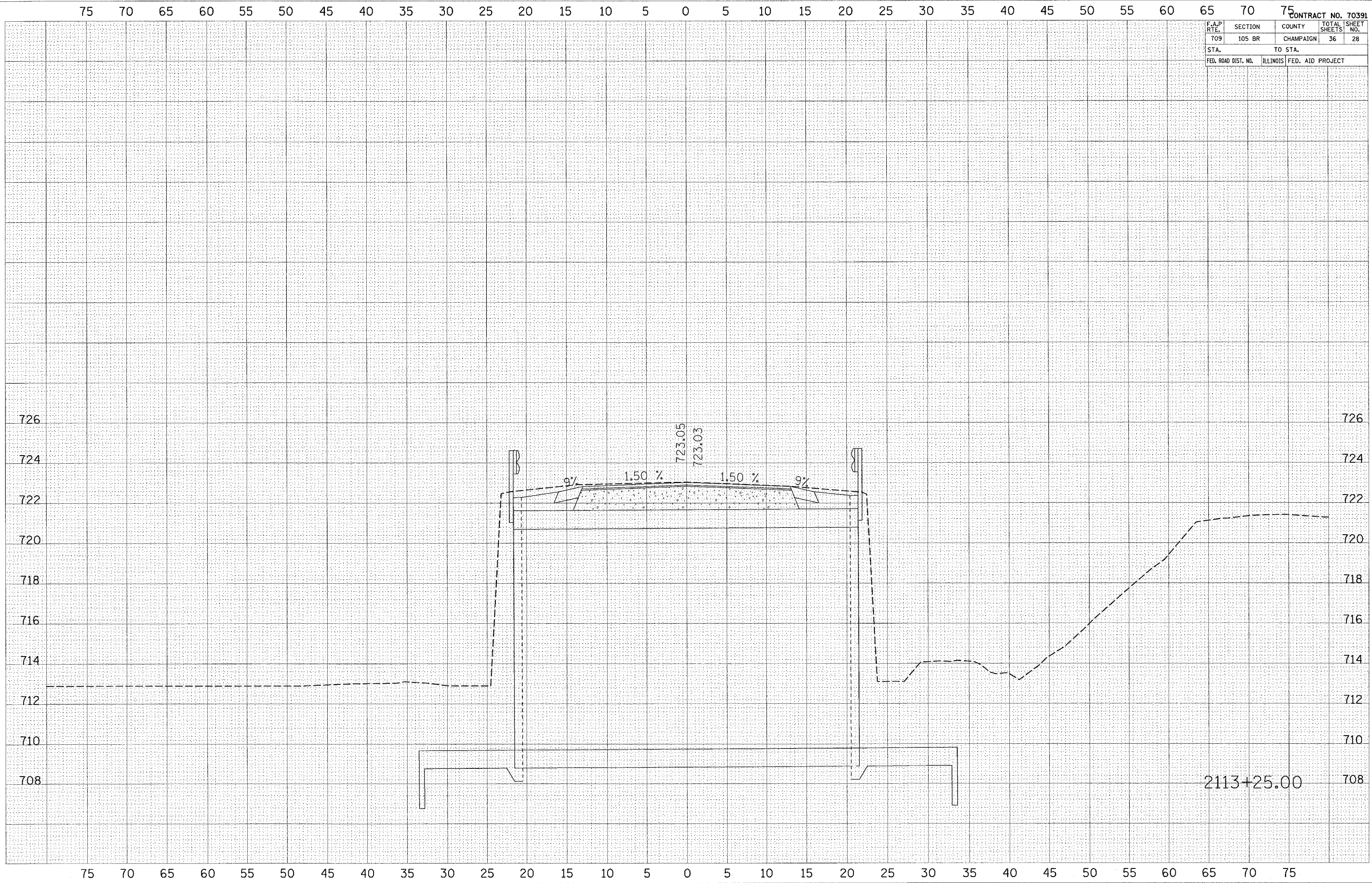


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105 BR	CHAMPAIGN	36	28
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEY	DATE
NOTE BOOK	PLOTE	
NO.	AREAS CHECKED	

PLOT DATE = 4/1/2005
 FILE NAME = c:\prowork\4563484\unit36e12.dgn
 USER NAME = shreyam

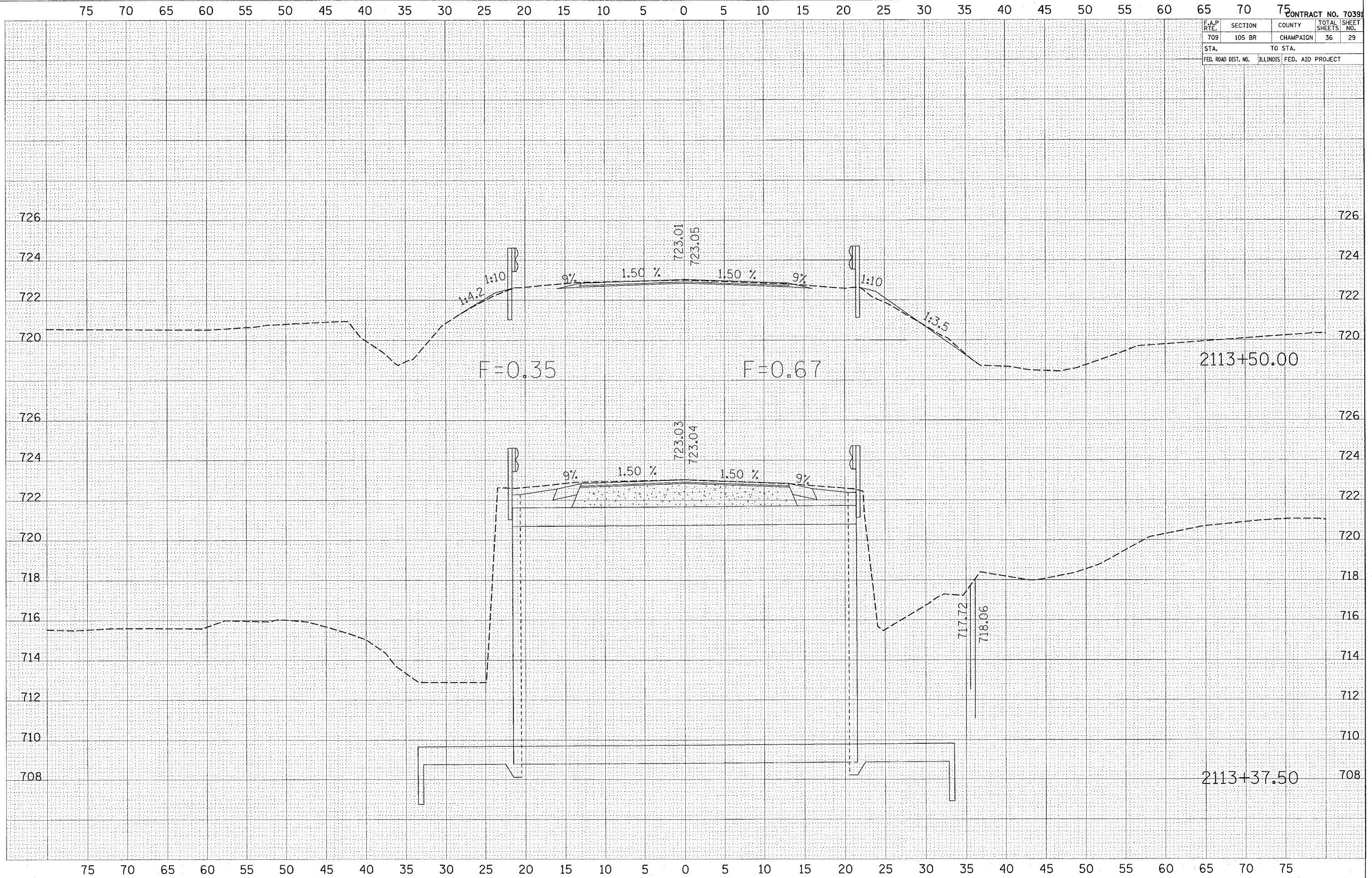


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105 BR	CHAMPAIGN	36	29
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY

DATE	BY

PLOT DATE = 4/1/2005
 FILE NAME = c:\pcc\projects\105br\105br\105br.dwg
 PLOT SCALE = 4:3861.7 IN.
 USER NAME = bshahgsm

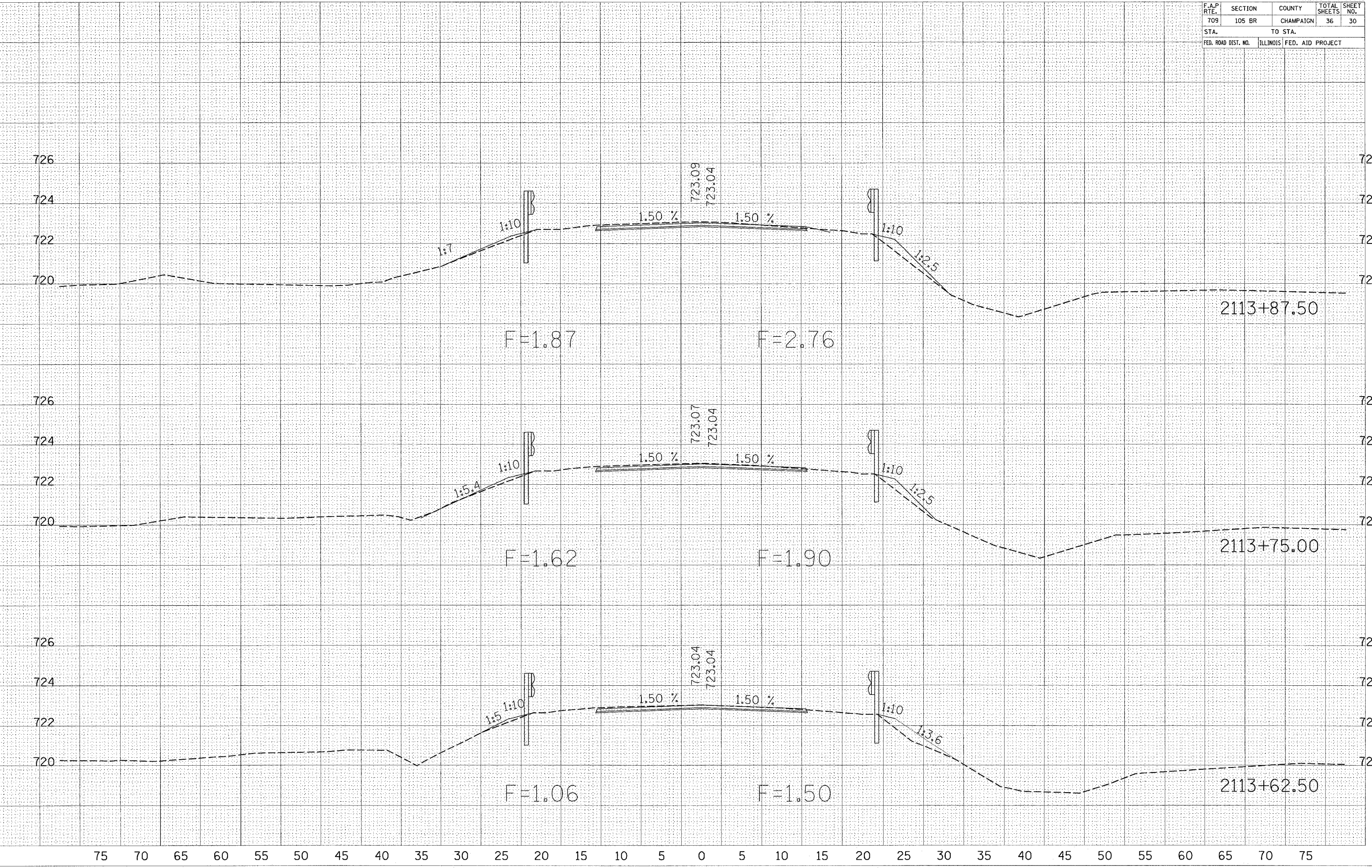


F.A.P. RT. 709	SECTION 105 BR	COUNTY CHAMPAIGN	TOTAL SHEETS 36	SHEET NO. 30
STA. TO STA.		FED. AID PROJECT		

REVISIONS
 SURVEY PLOTTED
 TEMPLATE AREAS CHECKED
 NO.

REVISIONS
 SURVEY PLOTTED
 TEMPLATE AREAS CHECKED
 NO.

REVISIONS
 SURVEY PLOTTED
 TEMPLATE AREAS CHECKED
 NO.



F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105 BR	CHAMPAIGN	36	31
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

FINAL SURVEYED SURVEY TEMPLATE AREAS CHECKED

BY _____ DATE _____

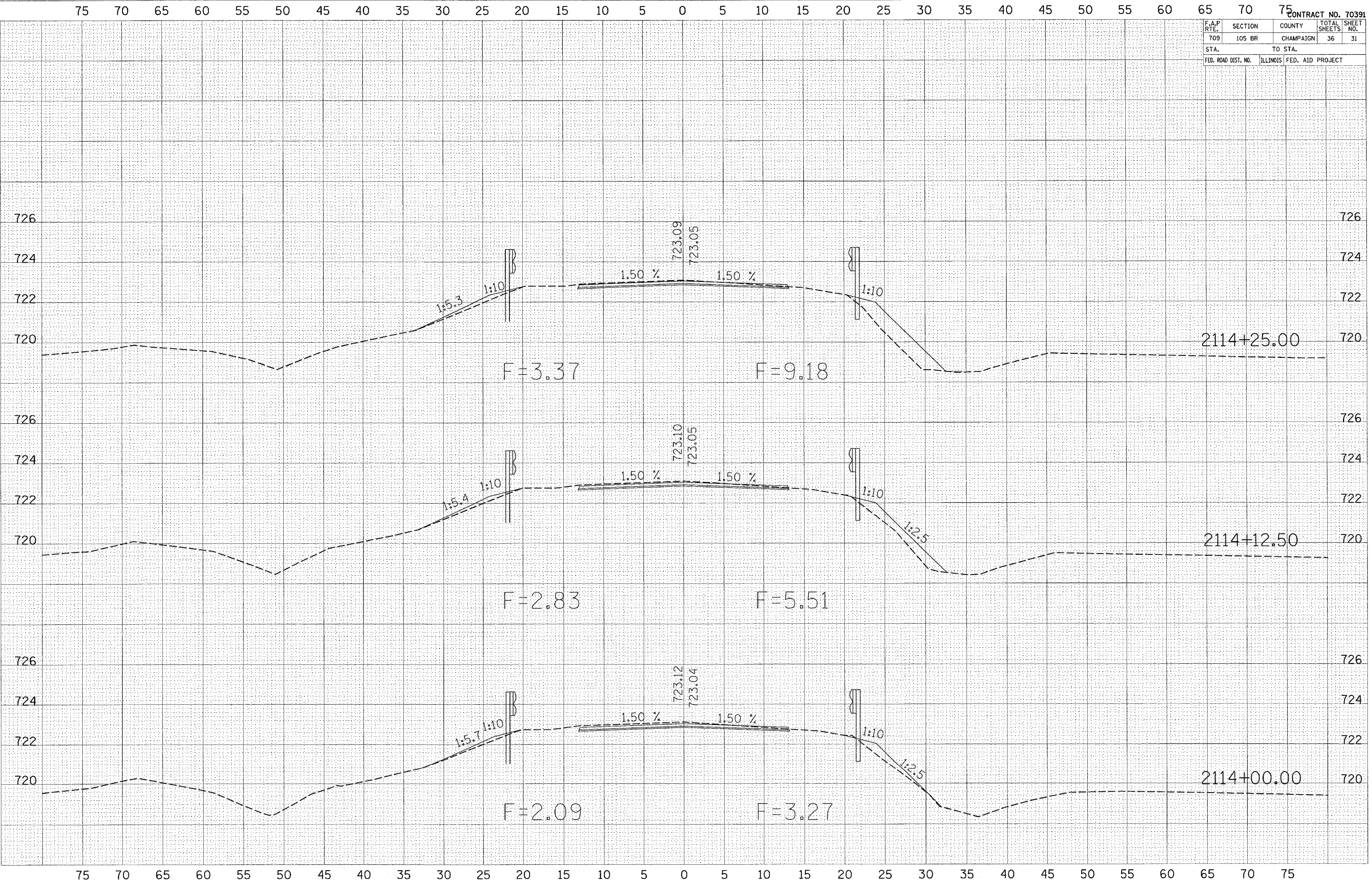
NO. _____

ORIGINAL SURVEYED SURVEY TEMPLATE AREAS CHECKED

BY _____ DATE _____

NO. _____

PLOT DATE = 4/1/2005
 FILE NAME = c:\pva\pva\pva\d03140\136x12.dgn
 PLOT SCALE = 4.38617 IN.
 USER NAME = shahghom



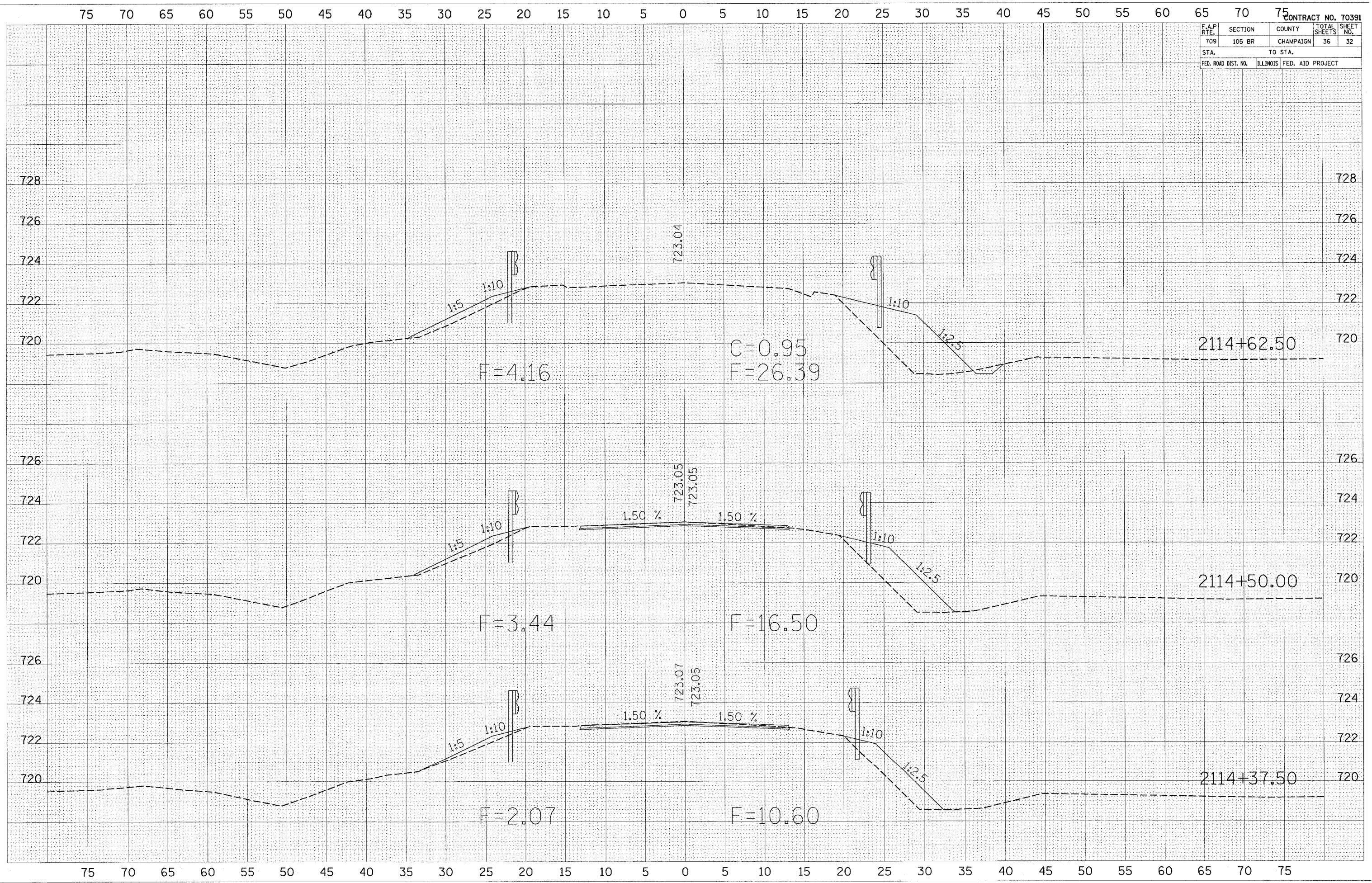
75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105 BR	CHAMPAIGN	36	32
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	CHECKED	DATE
NOTE BOOK	PLotted	
NO.	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY	CHECKED	DATE
NOTE BOOK	PLotted	
NO.	TEMPLATE	
	AREAS CHECKED	

PLOT DATE = 4/1/2005
 FILE NAME = s:\projects\480348\136x12.dwg
 PLOT SCALE = 4/3161 / IN.
 USER NAME = pwhigham



75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

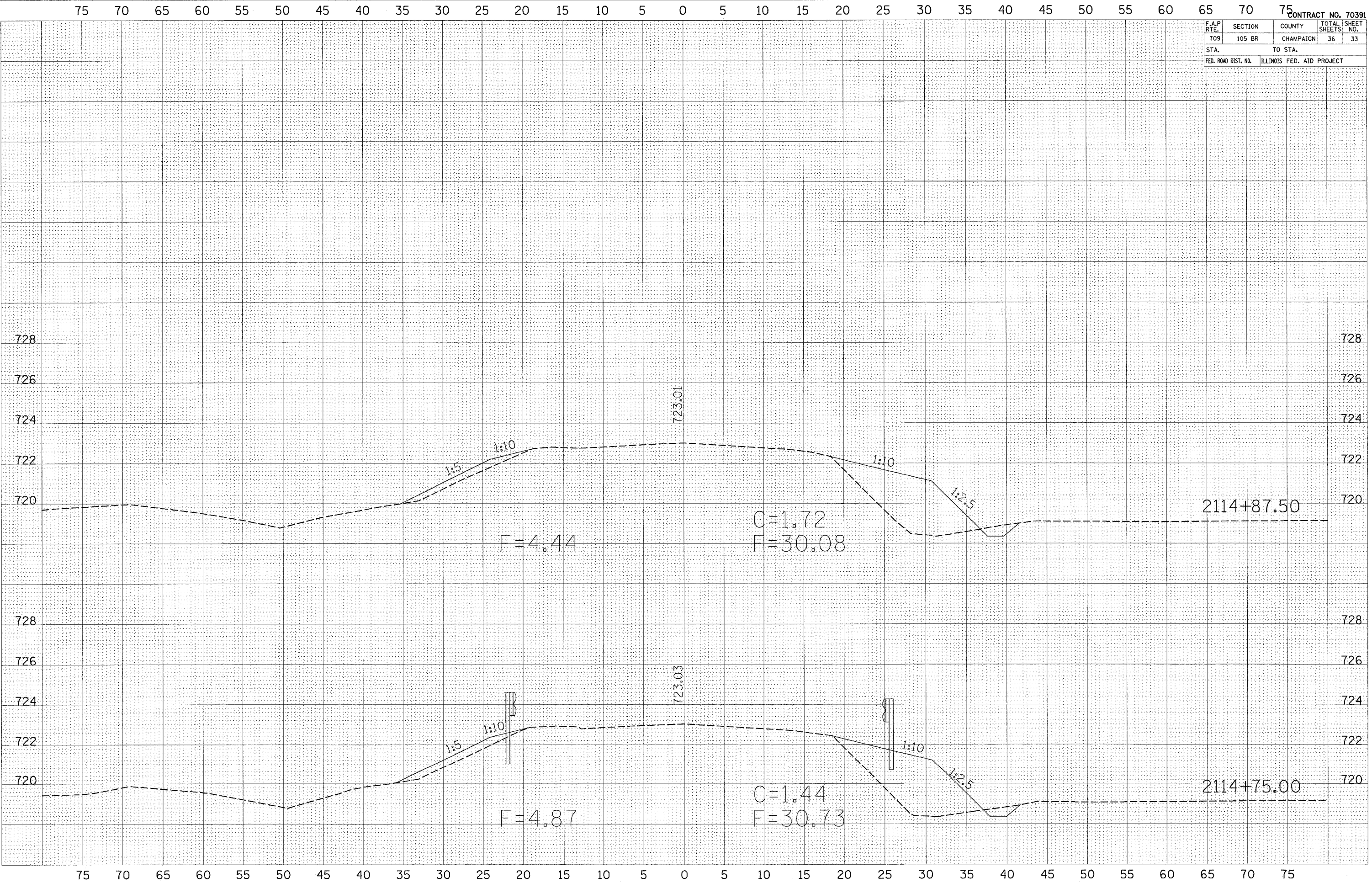
75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105 BR	CHAMPAIGN	36	33
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
AREAS CHECKED		
NO.		

PLOT DATE = 4/1/2005
 FILE NAME = c:\p\projects\70391\105\12.dgn
 PLOT SCALE = 4.3861' / IN.
 USER NAME = shahghon

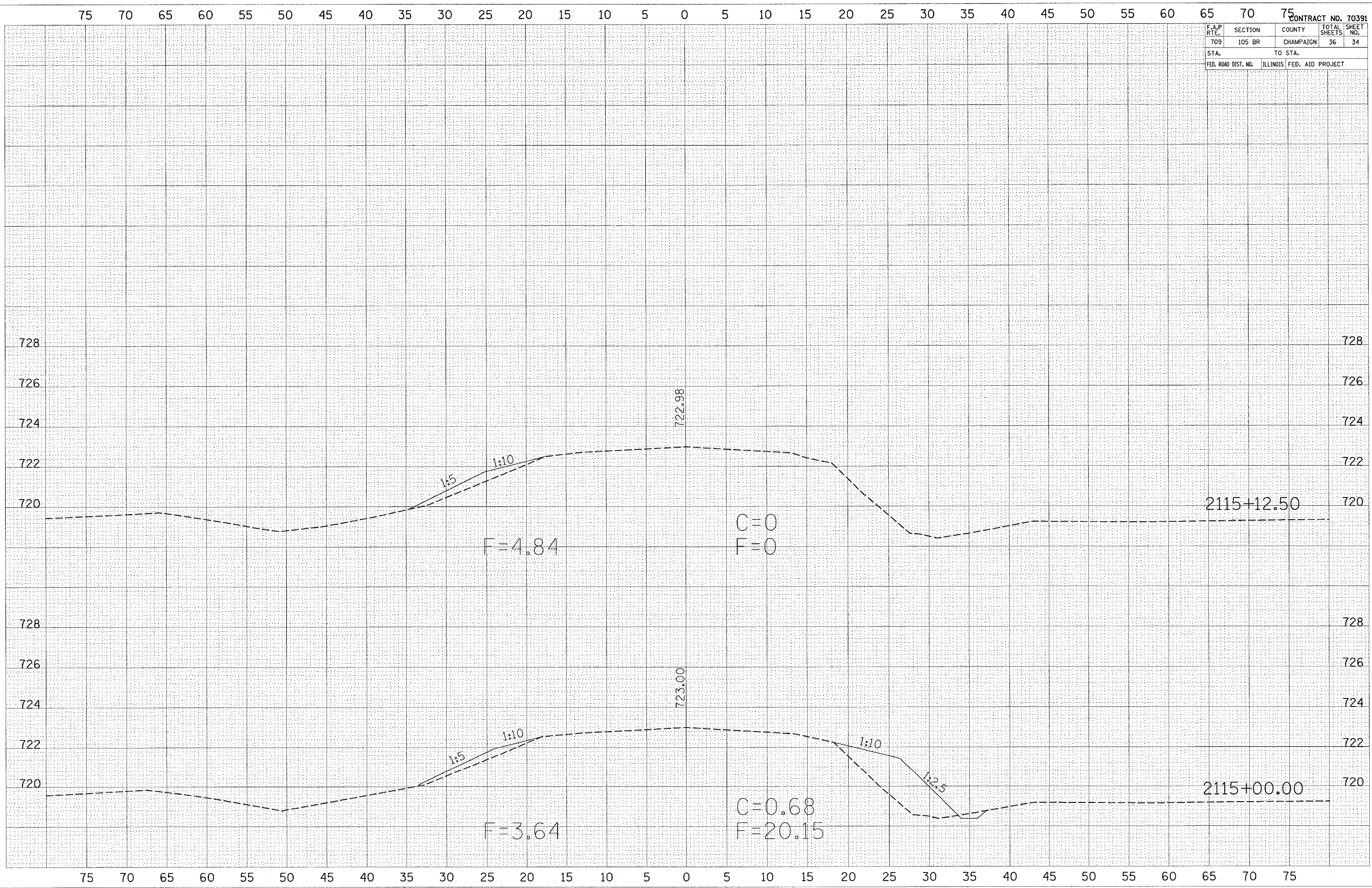


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105 BR	CHAMPAIGN	36	34
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	
BY	
NO.	
FINAL SURVEY	
NOTE BOOK	
TEMPLATES	
AREAS CHECKED	

DATE	
BY	
NO.	
ORIGINAL SURVEY	
NOTE BOOK	
TEMPLATES	
AREAS CHECKED	

PLOT DATE = 4/1/2005
 FILE NAME = c:\puro\pca\d803484\un138a12.dgn
 PLOT SCALE = 4:861 / IN.
 USER NAME = shangm

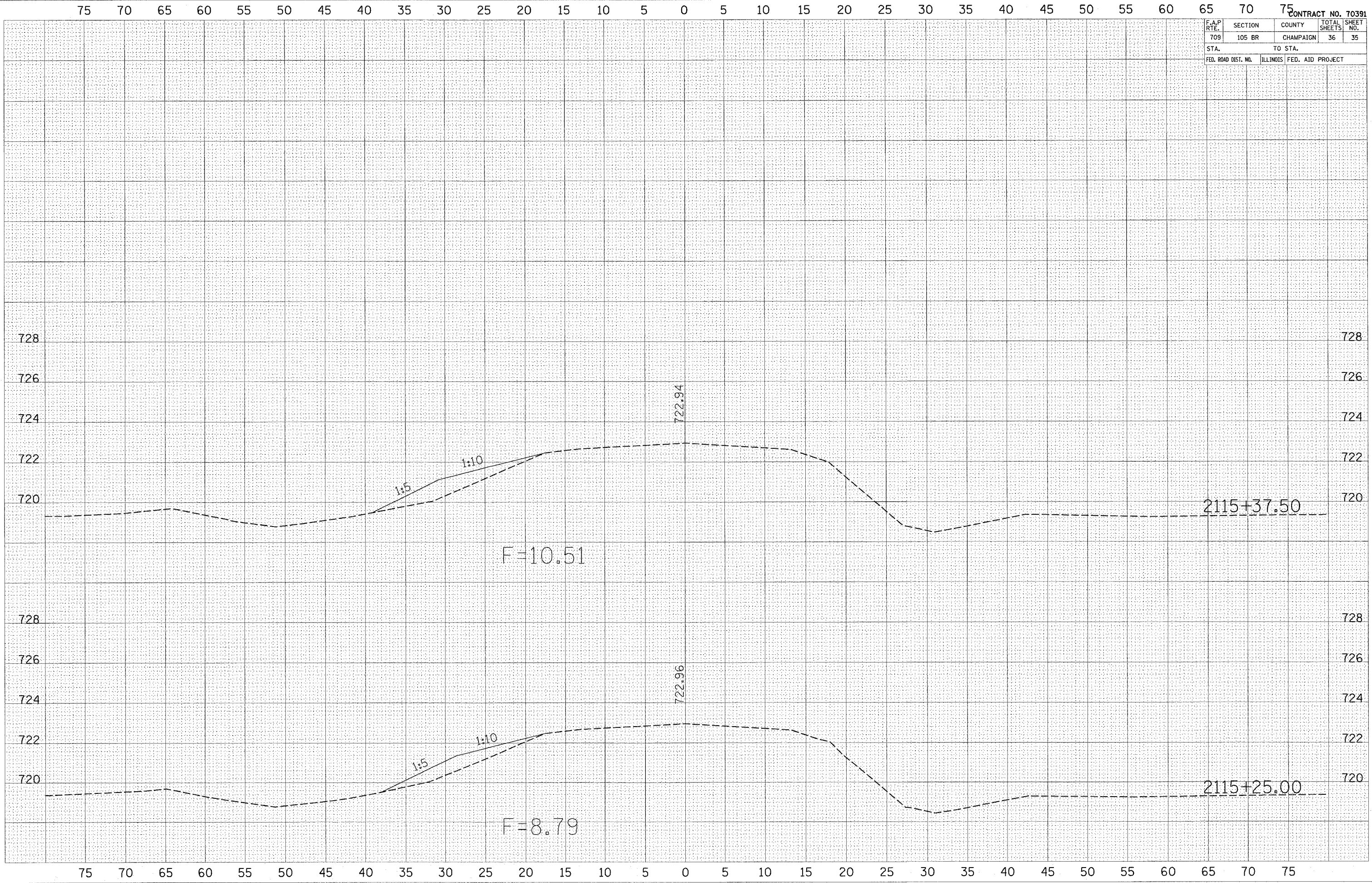


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105 BR	CHAMPAIGN	36	35
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	DATE
NO.	
SUPERVISED	BY
PLOTTED	
TEMPLATE	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
NO.	
SUPERVISED	BY
PLOTTED	
TEMPLATE	
AREAS CHECKED	

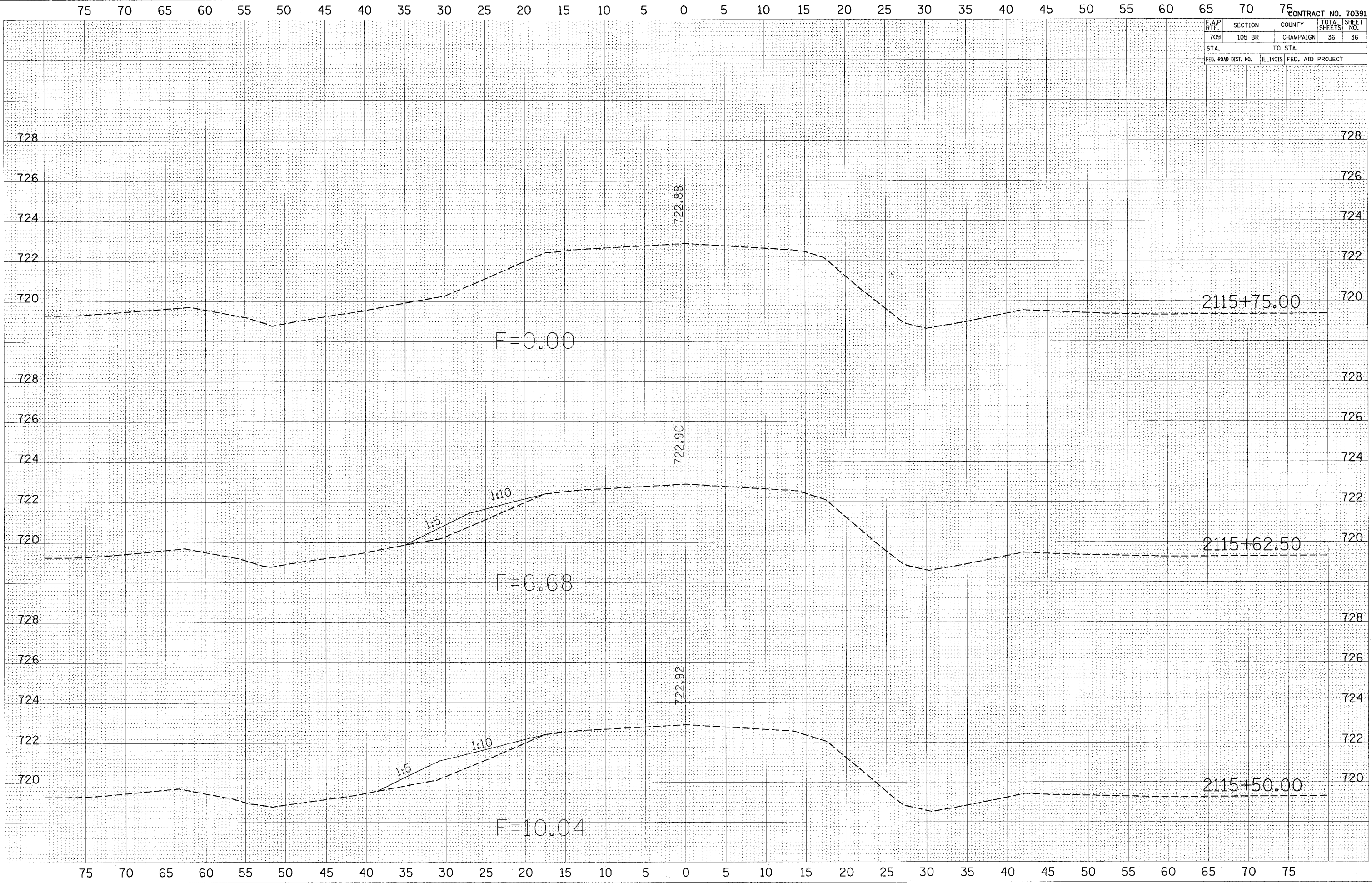
PLOT DATE = 4/1/2005
 FILE NAME = c:\pcc\pcc\cd\30481\un105w12.dgn
 USER NAME = shayam



F=10.51

F=8.79

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
709	105 BR	CHAMPAIGN	36	36
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY

DATE: _____ BY: _____

NO. _____

SURVEYED
 PLOTTED
 TEMPLATE
 NOTE BOOK
 AREAS CHECKED

ORIGINAL SURVEY

DATE: _____ BY: _____

NO. _____

SURVEYED
 PLOTTED
 TEMPLATE
 NOTE BOOK
 AREAS CHECKED

PLOT DATE = 4/1/2005
 FILE NAME = c:\pcc\pcc\cham\105br\12.dgn
 USER NAME = shwngym