F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	1
STA.	TO STA.			
FED. ROAD DIST. NO 5	ILLINOIS	FED AID PROJECT M-5059(105)		

CONTRACT NO. 91475

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID PROJECT

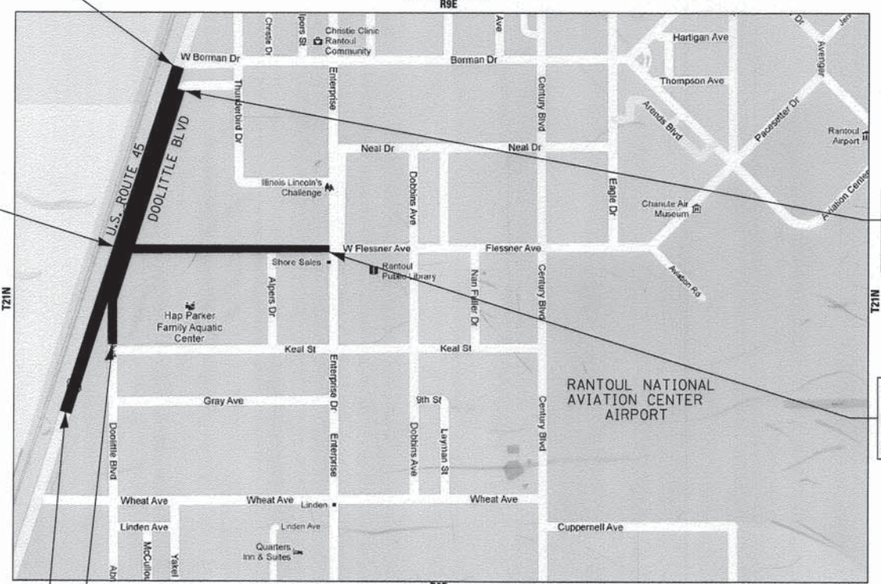
FAP 800 (US ROUTE 45) & FAU 7101 (FLESSNER AVE)
SECTION 09-00101-00-PV
PROJECT NO: M-5059(105)
JOB NO: C-95-330-12
VILLAGE OF RANTOUL
ROADWAY WIDENING & RECONSTRUCTION
CHAMPAIGN COUNTY

TRAFFIC DATA

US ROUTE 45
POSTED SPEED LIMIT = 50 MPH
DESIGN SPEED LIMIT = 55 MPH
2012 ADT = 7,800 VPD
2033 ADT = 9,613 VPD

FLESSNER AVENUE
POSTED SPEED LIMIT = 25 MPH
DESIGN SPEED LIMIT = 30 MPH
2012 ADT = 836 VPD
2033 ADT = 931

LOCATION MAP
(NOT TO SCALE)



LOCATION OF SECTION INDICATED THUS: —■—

R9E
SECTION 10, T21N, R9E, OF THE THIRD PRINCIPAL MERIDIAN
RANTOUL TOWNSHIP
GROSS AND NET LENGTH OF IMPROVEMENT = 5,467 LF OR 1.035 MILES

DESIGN DESIGNATION
U.S. ROUTE 45 – 961 (33) PRINCIPAL ARTERIAL 3.56 (FD-20)
FLESSNER AVENUE – 93 (33) MAJOR COLLECTOR 0.238 (FD-20)

100' 200' 300' — 1"= 100'
10' 20' 30' — 1"= 10'
50' 100' — 1"= 50'
50' 100' — 1"= 40'
50' 100' — 1"= 30'
50' 100' — 1"= 20'

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. DESIGN STAGE REQUEST
DIG. No. A2300510

Call Before You Dig
JULIE ILLINOIS ONE-CALL SYSTEM

CONTACT JULIE AT 811 OR 800-892-0123
WITH THE FOLLOWING:
COUNTY = CHAMPAIGN
CITY-TWNSHP. = RANTOUL - RANTOUL
SEC. & 1/4 SEC. NO. = T21N, R9E
48 HOURS (2 working days) BEFORE YOU DIG

CONTRACT NO. 91475

BAXTER & WOODMAN, INC.
STATE OF ILLINOIS – PROFESSIONAL DESIGN FIRM
LICENSE NO. – 184-001121 – EXPIRES 4/30/2015

BAXTER & WOODMAN Consulting Engineers

062-058036 LICENSED PROFESSIONAL ENGINEER OF STATE OF ILLINOIS — TARA A. ORBON
Tara Orbon 12/5/14
PROJECT MANAGER
"LICENSE EXPIRES 11-30-2015"

62-059984 LICENSED PROFESSIONAL ENGINEER OF STATE OF ILLINOIS — CHRISTINE A. CODE
Christine A. Code 12/5/14
PROJECT ENGINEER
"LICENSE EXPIRES 11-30-2015"

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED 12-8-14
VILLAGE OF RANTOUL, DIRECTOR OF PUBLIC WORKS

PASSED 12-17-14
DISTRICT FIVE ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW 12/17/14
DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

B&W PROJECT NO: 120185 DATE: 12-5-14

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LICENSE NO. - 184-001121 - EXPIRES 4/30/2015

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Mon, 01 Dec 2014 14:44:41 -0600
BUREAU OF LOCAL ROADS AND STREETS: SCOTT A. LACKEY P.E. (217) 466-7252

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-08	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424026-01	ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
424031-01	MEDIAN PEDESTRIAN CROSSINGS
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306-02	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
602011-02	CATCH BASIN TYPE C
602301-04	INLET - TYPE A
602401-03	MANHOLE TYPE A
602601-03	PRECAST REINFORCED CONCRETE FLAT TOP SLAB
602701-02	MANHOLE STEPS
604001-04	FRAME AND LIDS TYPE 1
604041-03	FRAME AND GRATE TYPE 9
604046-03	FRAME AND GRATE TYPE 10
604051-04	FRAME AND GRATE TYPE 11
604061-03	FRAME AND GRATE TYPE 12
604091-03	FRAME AND GRATE TYPE 24
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
630001-10	STEEL PLATE BEAM GUARDRAIL
630301-06	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-09	TRAFFIC BARRIER TERMINAL, TYPE 2
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) TO 24" (6.0mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-04	OFF-RD OPERATIONS, MULTILANE 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5m) AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
701421-07	LANE CLOSURE, MULITLANE, DAY OPERATIONS ONLY, FOR SPEEDS > 45 MPH TO 55 MPH
701422-07	LANE CLOSURE, MULTILANE FOR SPEEDS > 45 MPH TO 55 MPH
701426-07	LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPER., FOR SPEEDS > 45 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701606-10	URBAN LANE CLOSURE, MULTILANE, 2W, MOUNTABLE MEDIAN
701901-04	TRAFFIC CONTROL DEVICES
704001-07	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
814001-03	HANDHOLES
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

DISTRICT 5 STANDARD DETAILS

20900110	POROUS GRANULAR BACKFILL
40800050C	PRIVATE AND COMMERCIAL ENTRANCES (NONCOMMERCIAL AND COMMERCIAL RURAL)
42300AAA	DRIVEWAY PAVEMENT (PCC) (NON & COMMERCIAL URBAN)
60600095A	INLET - COMBINATION CONCRETE CURB & GUTTER (BARRIER CURB)
60621600	CONCRETE MEDIAN, TYPE SM
60623711	SIGN POST BLOCKOUTS
70200000	TRAFFIC CONTROL & PROTECTION DEVICES (ROAD & SIDEROAD/STREET CLOSURES)
7800AAAA	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)
7800BBBB	PAVEMENT MARKING (INTERSTATE & MULTI-LANE APPLICATIONS)

DISTRICT 1 STANDARD DETAILS

TS-05	STANDARD TRAFFIC SIGNAL DESIGN DETAILS
TS-07	DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

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HMA MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION	US ROUTE 45	US ROUTE 45 & FLESSNER AVENUE	FLESSNER AVENUE & SHARED USE PATH
MIXTURE USE:	SURFACE AND TOP LIFT SHOULDER	"[redacted] BINDER, BOTTOM LIFT SHOULDER, HMA BASE COURSE, & HMA BASE COURSE WIDENING"	SURFACE
AC/PG:	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	SEE RAP/RAS S.P.	SEE RAP/RAS S.P.	SEE RAP/RAS S.P.
DESIGN AIR VOIDS:	4.0% @ Ndes = 50	4.0% @ Ndes = 50	4.0% @ Ndes = 50
"MIXTURE COMPOSITION: (GRADATION)"	IL 9.5	IL 19.0 FG	IL 9.5
FRICTION AGGREGATE	MIXTURE D	N.A.	MIXTURE C

NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

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REGISTRATION NO. 184-001994 EXPIRES 4/30/2015

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DESIGNED - CAC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, HIGHWAY STANDARDS, DISTRICT 5 STANDARD DETAILS AND HMA MIXTURE REQUIREMENTS
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DATE - 12-5-14	FILE - 120185_Index.sht		

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	2
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		

GENERAL NOTES

1. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

2. EXISTING STATE-OWNED AND MAINTAINED UTILITY LINES ARE SHOWN ON THE PLANS TO INDICATE THEIR PRESENCE AND APPROXIMATE LOCATION. THE CONTRACTOR SHALL SECURE AN APPROVED LOCATING FIRM TO LOCATE STATE-OWNED UTILITIES PRIOR TO COMMENCING ANY EXCAVATION IN THE VICINITY OF THESE LINES IN ACCORDANCE TO SECTION 803 OF THE STANDARD SPECIFICATIONS. SHOULD ANY OF THE LINES BE DAMAGED BY THE CONTRACTOR'S OPERATION, THE CONTRACTOR SHALL REPAIR THEM TO THE SATISFACTION OF THE ENGINEER AT NO COST TO THE STATE.

3. THERE MAY BE UTILITIES PRESENT WHICH WERE INSTALLED BY THE STATE BUT ARE MAINTAINED BY OTHERS (CITY, TOWN, ETC.) THE APPROXIMATE LOCATIONS OF THESE LINES ARE ALSO SHOWN ON THE PLANS ALONG WITH THE NAME OF THE MAINTAINING AGENCY. THE CONTRACTOR SHALL COORDINATE THE LOCATION OF THESE LINES WITH THE LOCAL AGENCY PRIOR TO COMMENCING ANY EXCAVATION OR BORING IN THEIR VICINITY. SHOULD THESE LINES BE DAMAGED BY THE CONTRACTOR'S OPERATIONS, THE CONTRACTOR SHALL REPAIR THEM TO THE SATISFACTION OF, AND AT NO COST TO , THE LOCAL AGENCY AND THE STATE.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES, INCLUDING SPRINKLER SYSTEMS, EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER OR THE OWNER OR REPLACED. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.

5. 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 OR 811.

6. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED)

7. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE UTILITY COMPANIES, THE VILLAGE OF RANTOUL PUBLIC WORKS DEPARTMENT (PETE PASSARELLI AT (217-892-2178), AND BAXTER AND WOODMAN, INC. (708-478-2090).

8. BARRICADE: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE 1 OR TYPE II BARRICADE USED - ONE (1) WEIGHTED SANDBAGS ACROSS EACH BOTTOM RAIL.

9. THE CONTRACTOR SHALL NOTIFY VILLAGE PUBLIC WORKS (PETE PASSARELLI AT 217-892-2178) AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN VILLAGE UTILITY LOCATIONS AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER.

10. MATERIALS RESULTING FROM THE REMOVAL OF PAVEMENT, DRIVEWAYS, CURB AND GUTTER, HOT-MIX ASPHALT SURFACES, ETC. SHALL BE REMOVED AT THE END OF EACH DAY TO AN APPROVED SITE. IN THE JUDGMENT OF THE ENGINEER, SHOULD IT BE NECESSARY TO REMOVE SUCH MATERIALS, THE ENGINEER WILL HAVE THE MATERIAL REMOVED AND THE CONTRACTOR WILL BE BILLED BY THE VILLAGE (CHARGED) ACCORDINGLY.

11. TREES THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. ANY TREE DUE TO ITS LOCATION AND DEEMED SUITABLE FOR SAVING BY THE ENGINEER SHALL BE PROTECTED DURING CLEARING AND SUBSEQUENT CONSTRUCTION OPERATIONS.

12. ALL OPEN HOLE, BROKEN PAVEMENT OR TRENCHES RESULTING FROM STRUCTURE ADJUSTMENTS, OR CURB REPAIR WORK SHALL BE BACKFILLED TO GRADE BY THE END OF THE DAY.

13. GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THE ITEMS. IT IS THE INTENT THAT THE LIMITS OF CONSTRUCTION BE SUCH AS TO PRESERVE IN THE ORIGINAL STATE AS MUCH AREA OF TEMPORARY EASEMENTS AS POSSIBLE. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

14. TEMPORARY EROSION CONTROL SEEDING IS INCLUDED IN THIS CONTRACT TO SEED DISTURBED EARTH DURING TIME PERIODS WHEN PERMANENT SEEDING IS NOT ALLOWED. SOME OR ALL OF THE TEMPORARY EROSION CONTROL SEEDING WILL BE DELETED IF IT IS POSSIBLE TO PLACE PERMANENT SEEDING ON EARTH AT THE TIME OF THEIR COMPLETION.

15. 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.

16. THE FINISHED HOT-MIX ASPHALT SURFACE SHALL BE CONSTRUCTED 0.25-INCH ABOVE THE GUTTER FLAG IN ALL APPLICABLE AREAS.

17. CURB AND GUTTER SHALL BE DEPRESSED AT DRIVEWAYS AND SIDEWALK RAMPS IN ACCORDANCE WITH THE IDOT HIGHWAY STANDARDS. SIDEWALK RAMPS FOR ACCESS FOR THE DISABLED SHALL BE PROVIDED AT THE PROPOSED CROSSWALKS IN ACCORDANCE WITH THE IDOT HIGHWAY STANDARDS OR AS DETERMINED BY THE ENGINEER.

18. NEW OR REPLACEMENT CLOSED LIDS SHALL BE STAMPED TO INDICATE THE STRUCTURE TYPE. STORM LIDS SHALL BE STAMPED WITH "STORM", SANITARY LIDS SHALL BE STAMPED WITH "SANITARY" AND WATER VALVE VAULT LIDS SHALL BE STAMPED WITH "WATER". STAMPING SHALL BE INCLUDED IN THE COST OF THE NEW LID. ALL NEW TYPE 1 OPEN LIDS SHALL BE BICYCLE SAFE.

19. BEFORE ORDERING PIPE CULVERTS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR THE EXACT LENGTHS.

20. AT LOCATIONS WHERE END SECTIONS ARE SPECIFIED, CAST-IN-PLACE CONCRETE HEADWALLS WILL NOT BE ALLOWED.

21. CONNECTION OF PROPOSED STORM SEWER INTO EXISTING STORM SEWER OR EXISTING STORM SEWER STRUCTURES SHALL BE INCLUDED IN THE COST OF STORM SEWERS.

22. CONNECTION OF EXISTING STORM SEWER INTO PROPOSED STORM SEWER STRUCTURES SHALL BE INCLUDED IN THE COST OF THE STORM SEWER STRUCTURE. ANY ADDITIONAL STORM SEWER PIPE REQUIRED TO MAKE THE CONNECTION SHALL BE OF THE SAME SIZE AND MATERIAL TYPE AS THE EXISTING STORM SEWER AND SHALL BE INCLUDED IN THE COST OF THE STORM SEWER STRUCTURE.

23. IF ANY STORM SEWER LATERALS ARE FOUND DURING CONSTRUCTION AND ARE NOT IDENTIFIED ON THE PLANS, THEY SHALL BE CONNECTED TO THE PROPOSED STORM SEWER SYSTEM AND INCLUDED IN THE COST OF THE STORM SEWER CONSTRUCTION.

24. FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE COST OF THE STRUCTURE.

25. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

26. ANY DAMAGE DONE TO WATER MAIN, (VILLAGE OWNED OR OWNED BY OTHERS) WATER SERVICES, SANITARY SEWER, OR SANITARY SEWER SERVICES NOT CONSIDERED IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE.

27. ANY ANTI-STRIPPING ADDITIVE REQUIRED SHALL BE INCLUDED IN THE COST OF THE SURFACE COURSE.

28. THE IDOT INVENTORY OF ROADSIDE PRAIRIES DEPICTS A PRAIRIE WITHIN THE PROJECT CORRIDOR (SITE 39). IN ORDER TO PROTECT THE PRAIRIE, NO PARKING OF VEHICLES OR STORAGE OF EQUIPMENT OR MATERIALS SHOULD OCCUR ON THE WEST SIDE OF US ROUTE 45.

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F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	3
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		

SUMMARY OF QUANTITIES

STU FUNDING 80% FEDERAL/ 20% LOCAL

	CODE NO.	ITEM DESCRIPTION	UNIT	CONSTRUCTION TYPE CODE 0004 TOTAL QUANTITY
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	151
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	380
	20101100	TREE TRUNK PROTECTION	EACH	14
*	20101200	TREE ROOT PRUNING	EACH	14
*	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	14
	20200100	EARTH EXCAVATION	CU YD	1,847
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	5,912
	20400800	FURNISHED EXCAVATION	CU YD	359
	20800150	TRENCH BACKFILL	CU YD	119
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	3,066
*	21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	16,608
*	25000210	SEEDING, CLASS 2A	ACRE	3
*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	206
*	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	206
*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	206
*	25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	16,608
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	343
SP	28000305	TEMPORARY DITCH CHECKS	FOOT	80
	28000400	PERIMETER EROSION BARRIER	FOOT	2,330
	28000500	INLET AND PIPE PROTECTION	EACH	5
	28000510	INLET FILTERS	EACH	17
	28100105	STONE RIPRAP, CLASS A3	SQ YD	5
	28200200	FILTER FABRIC	SQ YD	5
SP	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	1,031
	31100910	SUBBASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	6,132
	31102000	SUBBASE GRANULAR MATERIAL, TYPE C	CU YD	66
	35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	2,481
	35400400	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 9"	SQ YD	30
	35501319	HOT-MIX ASPHALT BASE COURSE, 8 3/4"	SQ YD	2,695
	35600711	HOT-MIX ASPHALT BASE COURSE WIDENING, 8 3/4"	SQ YD	114
	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	36,600
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	1.0

SP INDICATES ITEM COVERED BY SPECIAL PROVISION

SUMMARY OF QUANTITIES

STU FUNDING 80% FEDERAL/ 20% LOCAL

	CODE NO.	ITEM DESCRIPTION	UNIT	CONSTRUCTION TYPE CODE 0004 TOTAL QUANTITY
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	32
	40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	724
	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	318
	40701811	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6 1/2"	SQ YD	1917
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	234
	42400800	DETECTABLE WARNINGS	SQ FT	120
	44000100	PAVEMENT REMOVAL	SQ YD	7421
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	2737
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	5213
	44000600	SIDEWALK REMOVAL	SQ FT	453
	44004250	PAVED SHOULDER REMOVAL	SQ YD	954
	44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	921
	48101600	AGGREGATE SHOULDERS, TYPE B 8"	SQ YD	1101
	48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	982
	50105220	PIPE CULVERT REMOVAL	FOOT	8
	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2
	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1
	54214503	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 18"	EACH	2
SP	550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	115
SP	550A2360	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 24"	FOOT	22
SP	550A4000	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	162
	55100200	STORM SEWER REMOVAL 6"	FOOT	37
	55100400	STORM SEWER REMOVAL 10"	FOOT	51
	55100500	STORM SEWER REMOVAL 12"	FOOT	76
	60208105	CATCH BASINS, TYPE C, TYPE 12 FRAME AND GRATE	EACH	1
	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	1
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2
	60236900	INLETS, TYPE A, TYPE 12 FRAME AND GRATE	EACH	1
	60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	1
	60251300	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 9 FRAME AND GRATE	EACH	3
	60251400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 10 FRAME AND GRATE	EACH	3
	60251600	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 12 FRAME AND GRATE	EACH	1

SP INDICATES ITEM COVERED BY SPECIAL PROVISION

* SPECIALTY ITEMS

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DESIGNED - CAC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES
DRAWN - BCD	REVISED -		
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DATE - 12-5-14	FILE - 120185_SOQ.sht		SCALE: NONE STA. TO STA.

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
850 T101	09-00101-00-PV	CHAMPAIGN	74	4
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		

SUMMARY OF QUANTITIES

	CODE NO.	ITEM DESCRIPTION	UNIT	STU FUNDING 80% FEDERAL/ 20% LOCAL CONSTRUCTION TYPE CODE 0004 TOTAL QUANTITY
	60255500	MANHOLES TO BE ADJUSTED	EACH	2
	60261100	INLETS TO BE ADJUSTED WITH NEW TYPE 9 FRAME AND GRATE	EACH	1
	60261300	INLETS TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	1
	60266600	VALVE BOXES TO BE ADJUSTED	EACH	1
	60500050	REMOVING CATCH BASINS	EACH	4
	60500060	REMOVING INLETS	EACH	1
	60500070	REMOVING MANHOLES TO MAINTAIN FLOW	EACH	1
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	795
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	522
*	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	257
*	63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1
* SP	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	2,305
* SP	66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1
* SP	66900530	SOIL DISPOSAL ANALYSIS	EACH	1
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12
	67100100	MOBILIZATION	L SUM	1
	67201100	SEALING ABANDONED MONITORING WELLS	EACH	3
	70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1
	70100320	TRAFFIC CONTROL AND PROTECTION, STANDARD 701422	L SUM	1
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
	72000100	SIGN PANEL - TYPE 1	SQ FT	85
	72000200	SIGN PANEL - TYPE 2	SQ FT	20
	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	7
	72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	10
	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	8
	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	330
	73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	22
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	156
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	14,415
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	325
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	761
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	39

SP INDICATES ITEM COVERED BY SPECIAL PROVISION

SUMMARY OF QUANTITIES

	CODE NO.	ITEM DESCRIPTION	UNIT	STU FUNDING 80% FEDERAL/ 20% LOCAL CONSTRUCTION TYPE CODE 0004 TOTAL QUANTITY
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	208
*	78200410	GUARDRAIL MARKERS, TYPE A	EACH	6
*	78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	2
*	78300100	PAVEMENT MARKING REMOVAL	SQ FT	2,758
*	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	189
* SP	81400100	HANDHOLE	EACH	1
* SP	88600100	DETECTOR LOOP, TYPE I	FOOT	50
* SP	88600600	DETECTOR LOOP REPLACEMENT	FOOT	50
* SP	89502380	REMOVE EXISTING HANDHOLE	EACH	1
*	A2002916	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	3
*	A2004568	TREE, GINKGO BILOBA MAGYAR ARISTOCRAT (MAGYAR ARISTOCRAT GINKO), TREE FORM, 3" CALIPER BALLED AND BURLAPPED	EACH	3
*	A2005316	TREE, LIQUIDAMBAR STYRACIFLUA (AMERICAN SWEETGUM), 2" CALIPER, BALLED AND BURLAPPED	EACH	3
*	A2007816	TREE, TILIA AMERICANA (AMERICAN LINDEN/ BASSWOOD), 2" CALIPER, BALLED AND BURLAPPED	EACH	3
*	A2008453	TREE, ULMUS ACCOLADE (HYBRID ELM), 3" CALIPER, BALLED AND BURLAPPED	EACH	2
*	B2006316	TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	2
SP	X0322936	REMOVE EXISTING FLARED END SECTION	EACH	1
SP	X0323455	ADJUST MONITORING WELLS	EACH	1
SP	X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	200
SP	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	1
SP	X4023000	TEMPORARY ACCESS (ROAD)	EACH	2
* SP	X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	2
SP	X6061902	CONCRETE MEDIAN, TYPE SM (SPECIAL)	SQ FT	720
SP	Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	118
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1
SP	Z0017400	DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED	EACH	1
* SP	XX007099	DETECTOR LOOP REMOVAL	EACH	2

SP INDICATES ITEM COVERED BY SPECIAL PROVISION

* SPECIALTY ITEMS

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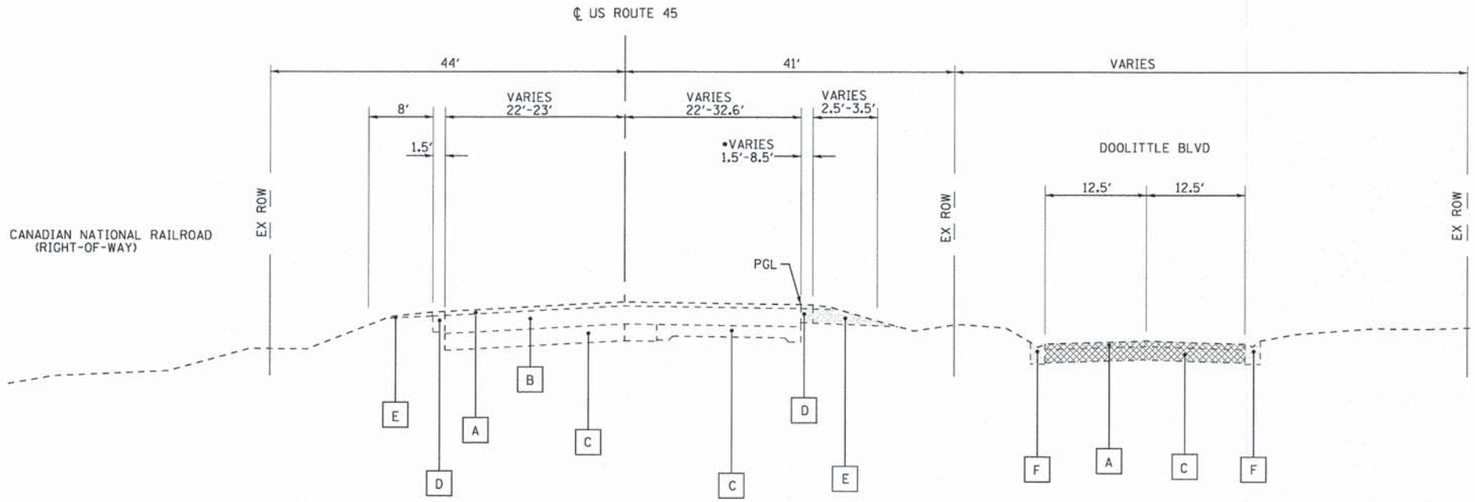
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

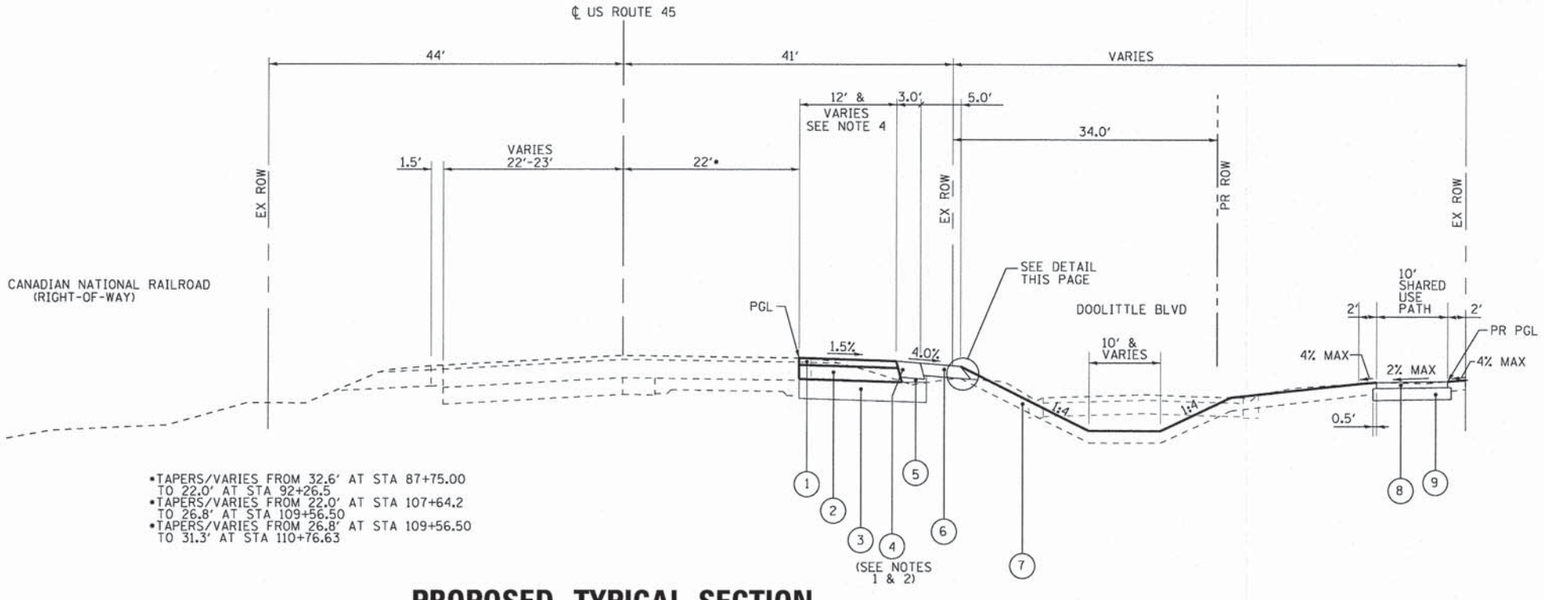
SCALE: NONE | STA. | TO STA.

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 T101	09-00101-00-PV	CHAMPAIGN	74	5
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT	M-5059(105)	



EXISTING TYPICAL SECTION
US ROUTE 45

STA. 87+72.33 TO STA. 110+76.63



PROPOSED TYPICAL SECTION
US ROUTE 45

STA. 87+72.33 TO STA. 110+76.63

EXISTING LEGEND

- A — HOT-MIX ASPHALT SURFACE (OVERLAY) - 1 1/2" - 2"
- B — HOT-MIX ASPHALT SURFACE - 7 1/2"
- C — PCC BASE COURSE - 5 1/2" - 6 1/2" (DOOLITTLE)
- D — HOT-MIX ASPHALT SAFETY SHOULDER - 9"
- E — AGGREGATE SHOULDER
- F — COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12
- PAVEMENT REMOVAL
- SHOULDER/CURB AND GUTTER REMOVAL

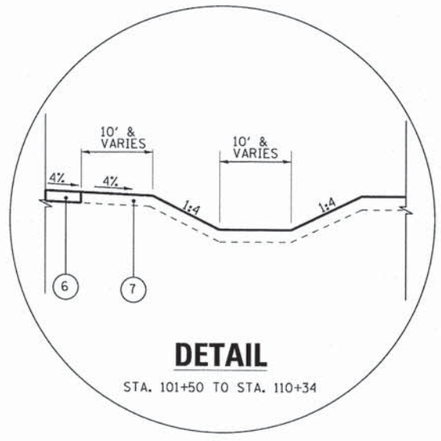
PROPOSED LEGEND

1. 2" - HMA SURFACE COURSE, MIX "D", N50
2. 8 3/4" - BASE COURSE (SEE NOTE 4)
3. SUBBASE GRANULAR MATERIAL, TYPE A, 12"
4. HOT-MIX ASPHALT SHOULDERS - 8"
5. SUBBASE GRANULAR MATERIAL, TYPE C
6. AGGREGATE SHOULDER, TYPE B - 8"
7. TOPSOIL FURNISH AND PLACE - 6"
8. HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 - 3"
9. AGGREGATE BASE COURSE, TYPE B - 6"
10. COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24

NOTES:

1. HOT-MIX ASPHALT SHOULDER, SUB BASE, AND SUBGRADE SHOULD BE CONSTRUCTED ACCORDING TO IDOT STANDARD 482001.
2. HOT-MIX ASPHALT SHOULDER OMITTED FROM STA 99+18 TO STA 101+31 FOR FULL DEPTH PAVEMENT AT FLESSNER AVENUE INTERSECTION.
3. EXISTING COMBINATION CONCRETE CURB AND GUTTER BEGINS AT STA. 110+40.
4.

WIDTH OF PAVEMENT WIDENING:	FILL GAP WITH AND PAID FOR AS:
0' < 2'	PCC BASE COURSE WIDENING, 8 3/4"
2' < 6'	HMA BASE COURSE WIDENING, 8 3/4"
> 6'	HMA BASE COURSE, 8 3/4"



DETAIL

STA. 101+50 TO STA. 110+34

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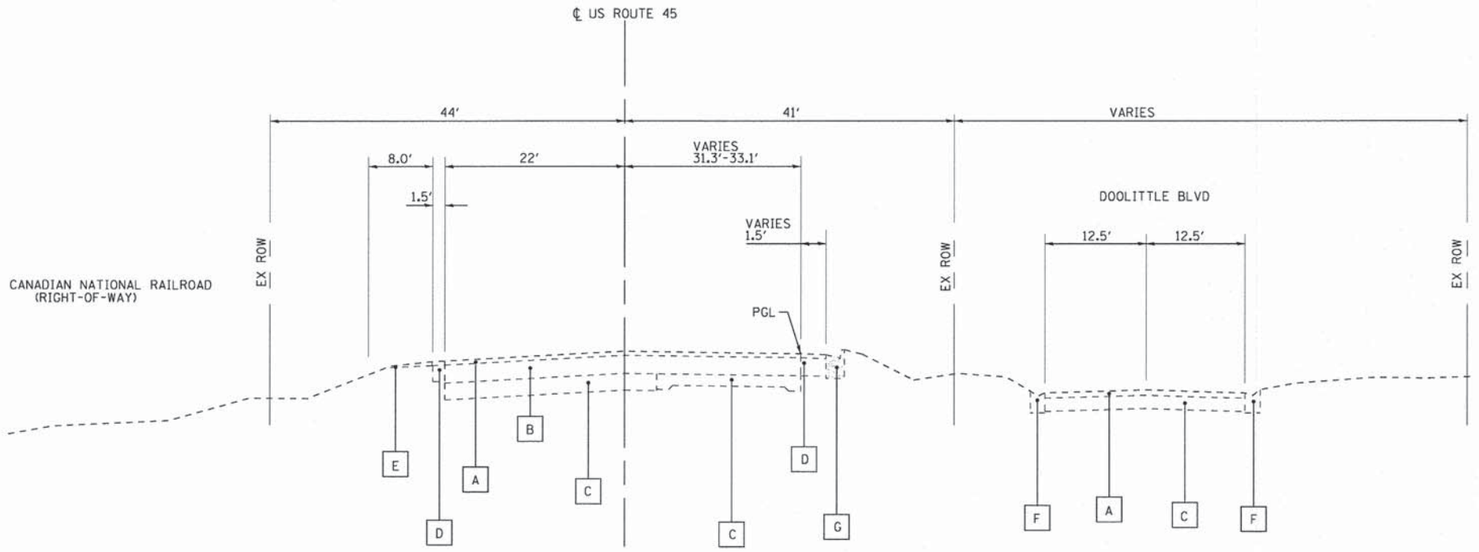
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45
TYPICAL SECTION

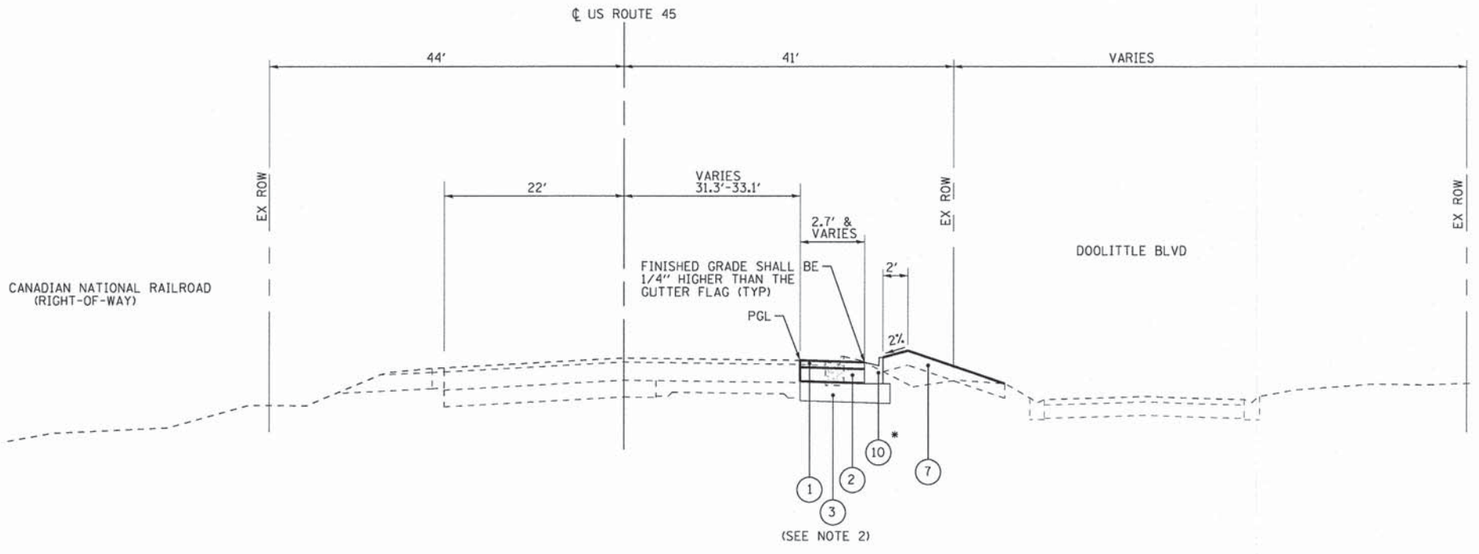
SCALE: NONE | STA. | TO STA.

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	6
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT	M-5059(105)	



EXISTING TYPICAL SECTION
US ROUTE 45

STA. 110+76.63 TO STA. 112+51.00



PROPOSED TYPICAL SECTION
US ROUTE 45

STA. 110+76.63 TO STA. 112+51.00

*SEE PLAN AND PROFILE SHEETS FOR C & G LIMITS

EXISTING LEGEND

- A — HOT-MIX ASPHALT SURFACE (OVERLAY) - 1 1/2" - 2"
- B — HOT-MIX ASPHALT SURFACE - 7 1/2"
- C — PCC BASE COURSE - 5 1/2" - 6 1/2" (DOOLITTLE)
- D — HOT-MIX ASPHALT SAFETY SHOULDER
- E — AGGREGATE SHOULDER
- F — COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12
- G — COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- PAVEMENT REMOVAL
- SHOULDER/CURB AND GUTTER REMOVAL

PROPOSED LEGEND

1. 2" - HMA SURFACE COURSE, MIX "D", N50
2. 8 3/4" - PCC BASE COURSE WIDENING
3. SUBBASE GRANULAR MATERIAL, TYPE A, 12"
4. HOT-MIX ASPHALT SHOULDERS - 8"
5. SUBBASE GRANULAR MATERIAL, TYPE C
6. AGGREGATE SHOULDER, TYPE B - 8"
7. TOPSOIL FURNISH AND PLACE - 6"
8. HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 - 3"
9. AGGREGATE BASE COURSE, TYPE B - 6"
10. COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24

NOTES:

1. EXISTING COMBINATION CONCRETE CURB AND GUTTER BEGINS AT STA. 110+40
2. SUBBASE GRANULAR MATERIAL, TYPE 12" SHALL EXTEND 1" BEYOND THE BACK OF CURB.

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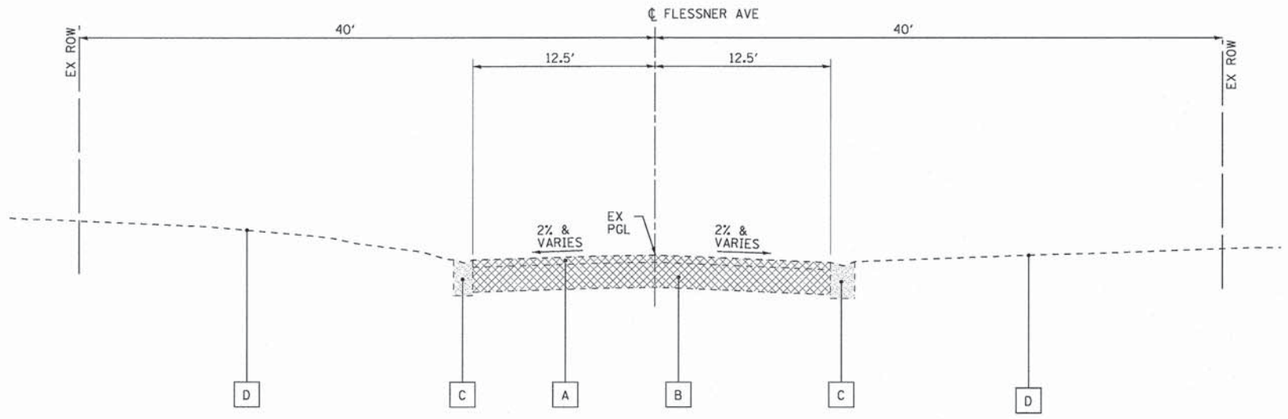
F.A.P. / F.A.U. / BDC / 7101	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00101-00-PV	CHAMPAIGN	74	7
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		



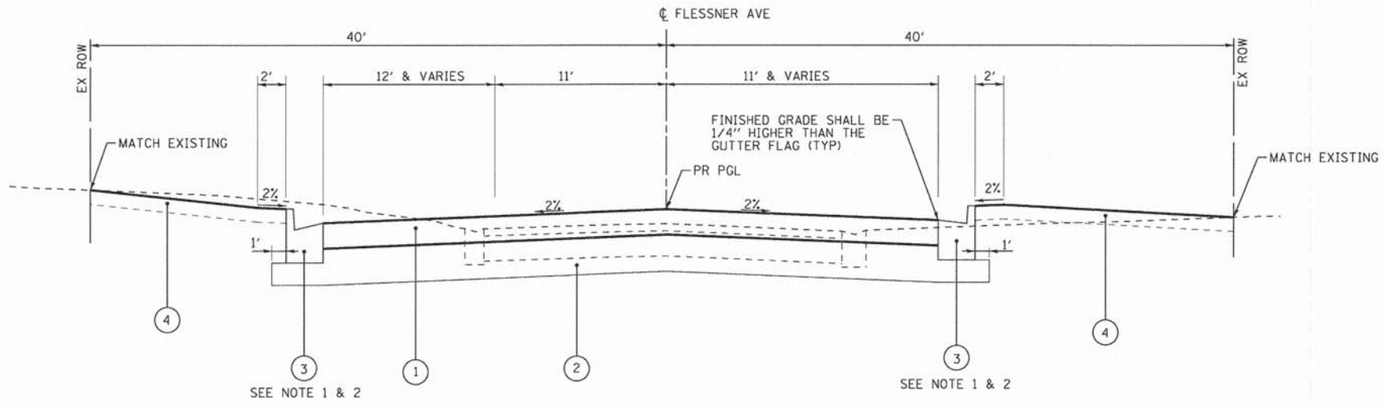
EXISTING TYPICAL SECTION
FLESSNER AVENUE
STA 300+42.07 TO STA 304+41.00

EXISTING LEGEND

- A — HOT-MIX ASPHALT SURFACE (OVERLAY) - 2"
- B — PCC BASE COURSE - 5 1/2" - 7"
- C — COMBINATION CURB AND GUTTER, TYPE M-6.12
- D — EXISTING GROUND
- PAVEMENT REMOVAL
- CURB AND GUTTER REMOVAL
- HMA SURFACE REMOVAL - 2"
- PCC SURFACE REMOVAL - 1 3/4"

PROPOSED LEGEND

1. HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) - 6 1/2"
   2" - HMA SURFACE COURSE, MIX "C", N50
   4 1/2" HMA BINDER COURSE IL 19.0 [redacted], N50
2. SUBBASE GRANULAR MATERIAL, TYPE A, 12"
3. COMBINATION CONCRETE CURB AND GUTTER (SEE NOTES)
4. TOPSOIL FURNISH AND PLACE - 6"
5. HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 - 2 1/4"
6. STRIP REFLECTIVE CRACK CONTROL



PROPOSED TYPICAL SECTION
FLESSNER AVENUE – RECONSTRUCTION
STA 300+42.07 TO STA 304+41.00

NOTES:

1. COMBINATION CONCRETE CURB AND GUTTER
   TYPE B-6.24: STA. 300+32.08 TO STA. 301+73.7 RT
   STA. 300+73.63 TO STA. 301+40.9 LT

   COMBINATION CONCRETE CURB AND GUTTER
   TYPE B-6.12: STA. 301+83.7 TO STA. 304+41 RT
   STA. 301+50.9 TO STA. 304+41 LT

2. A 10 FT TAPER SHALL BE USED TRANSITIONING FROM COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24 AND B-6.12.

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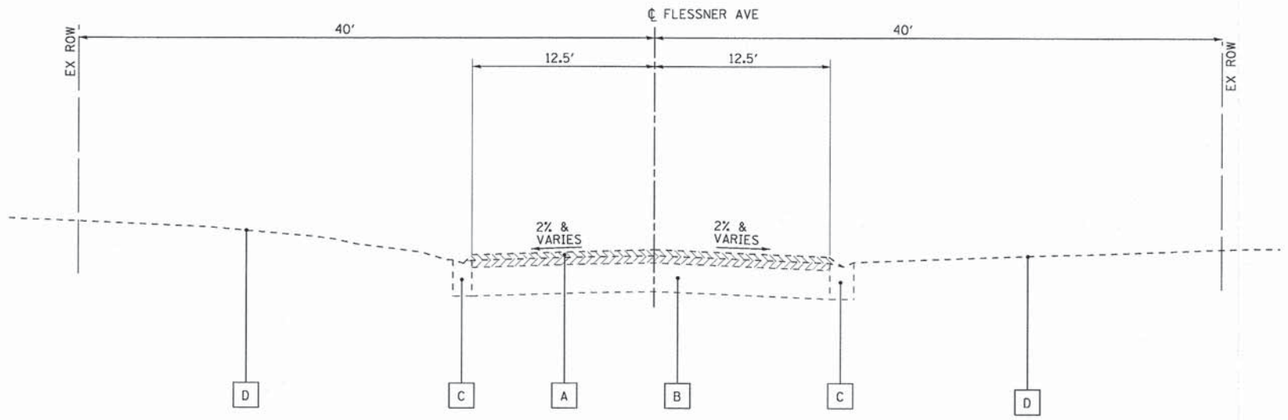
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

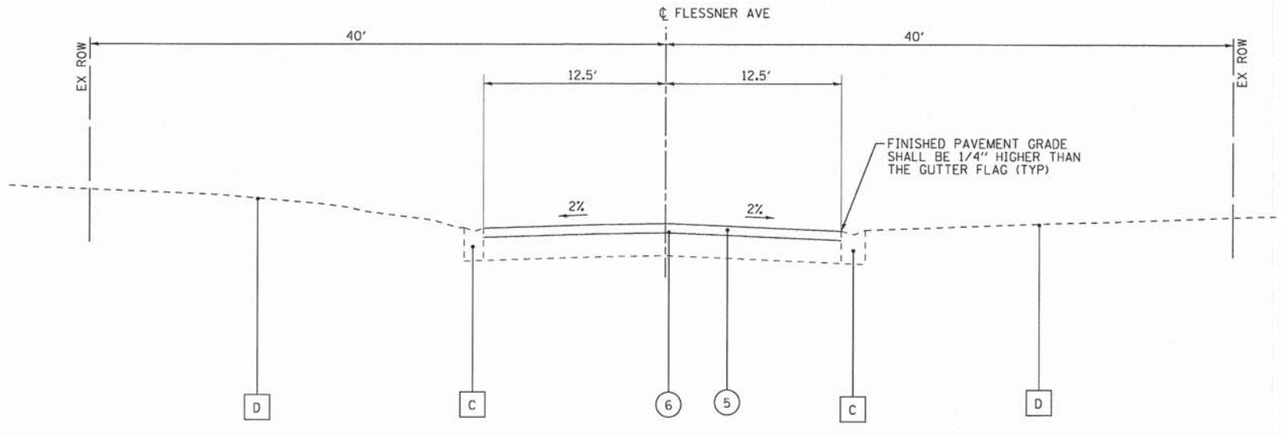
FLESSNER AVENUE
TYPICAL SECTIONS

SCALE: NONE | STA. | TO STA.

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	8
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT	M-5059(105)	



EXISTING TYPICAL SECTION
FLESSNER AVENUE
STA 304+41.00 TO STA 313+62.00



PROPOSED TYPICAL SECTION
FLESSNER AVENUE – RESURFACING
STA 304+41.00 TO STA 313+62.00

EXISTING LEGEND

- A — HOT-MIX ASPHALT SURFACE (OVERLAY) - 2"
- B — PCC BASE COURSE - 5 1/2" - 7"
- C — COMBINATION CURB AND GUTTER, TYPE M-6.12
- D — EXISTING GROUND
- PAVEMENT REMOVAL
- CURB AND GUTTER REMOVAL
- HMA SURFACE REMOVAL - 2"
- PCC SURFACE REMOVAL - 1 3/4"

PROPOSED LEGEND

1. HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) - 6 1/2"
   2" - HMA SURFACE COURSE, MIX "C", N50
   4 1/2" HMA BINDER COURSE IL 19.0 [redacted], N50
2. SUBBASE GRANULAR MATERIAL, TYPE A, 12"
3. COMBINATION CONCRETE CURB AND GUTTER (SEE NOTES)
4. TOPSOIL FURNISH AND PLACE - 6"
5. HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 - 2 1/4"
6. STRIP REFLECTIVE CRACK CONTROL

NOTES:

1. COMBINATION CONCRETE CURB AND GUTTER
   TYPE B-6.24: STA. 300+32.08 TO STA. 301+73.7 RT
   STA. 300+73.63 TO STA. 301+40.9 LT

   COMBINATION CONCRETE CURB AND GUTTER
   TYPE B-6.12: STA. 301+83.7 TO STA. 304+41 RT
   STA. 301+50.9 TO STA. 304+41 LT

2. A 10 FT TAPER SHALL BE USED TRANSITIONING FROM COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24 AND B-6.12.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FLESSNER AVENUE
TYPICAL SECTIONS

SCALE: NONE | STA. | TO STA.

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	9
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT	M-5059(105)	

EARTHWORK SUMMARY

LOCATION STA TO STA		UNSUITABLE EXCAVATION (UNDERCUTS) (CY)	UNSUITABLE EXCAVATION (TOPSOIL) (CY)	EARTH EXCAVATION (20200100) (CY)	TOTAL SUITABLE EXCAVATION (CY)	EXCAVATION TO BE USED IN EMBANKMENT (15% SHRINKAGE) (CY)	EMBANKMENT (CY)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CY)
US ROUTE 45								
87+72.33	88+00.00		15.2	7.2	7.2	6.1	4.9	1.2
88+00.00	88+50.00		45.9	16.1	16.1	13.7	8.8	4.9
88+50.00	89+00.00		54.8	20.8	20.8	17.7	9.3	8.4
89+00.00	89+50.00		58.7	22.9	22.9	19.5	10.2	9.3
89+50.00	90+00.00		58.1	21.8	21.8	18.6	11.0	7.6
90+00.00	90+50.00		55.3	20.0	20.0	17	12.9	4.1
90+50.00	91+00.00		46.9	19.6	19.6	16.7	19.2	-2.5
91+00.00	91+50.00		39.9	20.3	20.3	17.3	29.0	-11.7
91+50.00	92+00.00		39.8	20.5	20.5	17.4	35.6	-18.2
92+00.00	92+50.00		47.2	19.3	19.3	16.4	33.2	-16.8
92+50.00	93+00.00		67.8	16.0	16.0	13.6	29.1	-15.5
93+00.00	93+50.00		93.0	13.4	13.4	11.4	28.5	-17.1
93+50.00	94+00.00		103.9	11.1	11.1	9.4	30.3	-20.9
94+00.00	94+50.00		196.4	18.7	18.7	15.9	41.5	-25.6
94+50.00	95+00.00		252.1	25.0	25.0	21.2	58.0	-36.8
95+00.00	95+50.00		210.7	31.0	31.0	26.4	71.0	-44.6
95+50.00	96+00.00		187.5	41.4	41.4	35.2	65.9	-30.7
96+00.00	96+50.00		154.6	45.4	45.4	38.6	49.6	-11.0
96+50.00	97+00.00		125.4	51.4	51.4	43.7	39.8	3.9
97+00.00	97+50.00		107.1	54.3	54.3	46.2	34.4	11.8
97+50.00	98+00.00		103.0	55.5	55.5	47.1	32.9	14.2
98+00.00	98+50.00		99.9	57.4	57.4	48.8	34.2	14.6
98+50.00	99+00.00		94.9	57.7	57.7	49	40.8	8.2
99+00.00	99+50.00		87.5	31.7	31.7	26.9	74.6	-47.7
99+50.00	100+00.00		83.7	7.0	7.0	5.9	80.7	-74.8
100+00.00	100+50.00		80.7	7.0	7.0	6	62.0	-56.0
100+50.00	101+00.00		89.3	6.1	6.1	5.2	91.2	-86.0
101+00.00	101+50.00		96.2	22.0	22.0	18.7	82.6	-63.9
101+50.00	102+00.00		93.4	37.0	37.0	31.5	39.8	-8.3
102+00.00	102+50.00		97.3	38.4	38.4	32.7	29.6	3.1
102+50.00	103+00.00		98.3	41.7	41.7	35.5	28.0	7.5
103+00.00	103+50.00		105.4	43.3	43.3	36.8	21.5	15.3
103+50.00	104+00.00		118.3	36.5	36.5	31	11.6	19.4
104+00.00	104+50.00		101.1	35.7	35.7	30.3	7.9	22.4
104+50.00	105+00.00		96.3	39.2	39.2	33.3	10.9	22.4
105+00.00	105+50.00		114.2	38.8	38.8	33	14.8	18.2
105+50.00	106+00.00		107.0	41.5	41.5	35.3	23.5	11.8
106+00.00	106+50.00		95.8	42.4	42.4	36.1	33.1	3.0
106+50.00	107+00.00		92.6	43.4	43.4	36.9	32.3	4.6
107+00.00	107+50.00		88.2	44.5	44.5	37.8	29.1	8.7
107+50.00	108+00.00		73.9	51.1	51.1	43.5	31.6	11.9
108+00.00	108+50.00		62.7	57.4	57.4	48.8	31.9	16.9
108+50.00	109+00.00		48.3	58.0	58.0	49.3	31.4	17.9
109+00.00	109+50.00		35.0	59.8	59.8	50.8	34.8	16.0
109+50.00	110+00.00		45.4	58.5	58.5	49.7	35.3	14.4
110+00.00	110+50.00		60.4	34.0	34.0	28.9	22.0	6.9
110+50.00	111+00.00		57.0	10.3	10.3	8.7	19.7	-11.0
111+00.00	111+50.00		35.4	7.5	7.5	6.3	61.1	-54.8
111+50.00	112+00.00		17.4	7.2	7.2	6.1	50.3	-44.2
112+00.00	112+20.79		5.7	2.7	2.7	2.3	3.8	-1.5
112+20.79	113+10.00		102.7	4.1	4.1	3.5	102.2	-98.7

		1	2	3	4	5	6	7
LOCATION STA TO STA		UNSUITABLE EXCAVATION (UNDERCUTS) (CY)	UNSUITABLE EXCAVATION (TOPSOIL) (CY)	EARTH EXCAVATION (20200100) (CY)	TOTAL SUITABLE EXCAVATION (CY)	EXCAVATION TO BE USED IN EMBANKMENT (15% SHRINKAGE) (CY)	EMBANKMENT (CY)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CY)
FLESSNER AVE								
* 300+50.00	300+75.00		0.0	0.0	0.0	0	0.0	0.0
300+75.00	301+00.00		23.9	0.0	0.0	0	40.8	-40.8
301+00.00	301+50.00		82.2	14.4	14.4	12.3	39.6	-27.3
301+50.00	302+00.00		82.6	33.7	33.7	28.6	6.0	22.6
302+00.00	302+50.00		79.3	36.8	36.8	31.3	3.6	27.7
302+50.00	303+00.00		64.3	35.0	35.0	29.8	3.6	26.2
303+00.00	303+50.00		45.4	41.7	41.7	35.5	3.3	32.2
303+50.00	303+88.00		21.2	49.0	49.0	41.6	1.8	39.8
303+88.00	304+00.00		4.3	17.6	17.6	14.9	0.8	14.1
304+00.00	304+41.00		30.6	46.0	46.0	39.1	3.3	35.8
TOTALS		983	4,881	1,848	1,848	1,571	1,930	-359

*VOLUME INCLUDED IN US ROUTE 45 VALUES

EARTHWORK SUMMARY

	TOTAL	
(20200100) EARTH EXCAVATION	1,848	CU YD
(66900200) NON-SPECIAL WASTE DISPOSAL	2,305	CU YD
(20201200) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	5,864	CU YD
(20400800) FURNISHED EXCAVATION	359	CU YD

Column 1 = Unsuitable material removed for undercuts
Column 2 = 18 IN Topsoil removal used from edge of existing US 45 pvmt to outside edge of proposed aggregate shoulder and when the proposed ditch to be excavated more than 18" below existing ground.
Below Shared Use Path: scrape to bottom of proposed aggregate base course or 12" below existing ground, whichever is greater.
For all other areas of parkway grading: scrape existing topsoil to 6" below proposed surface.

Column 3 = From X Section end areas
Column 4 = Column 3
Column 5 = Column 4 x (0.85)
Column 6 = From X Section end areas
Column 7 = Column 5 - Column 6

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BAXTER & WOODMAN Consulting Engineers

DESIGNED - CAC		REVISED -
DRAWN - BCD		REVISED -
CHECKED - TAO		REVISED -
DATE - 12-5-14		FILE - 120185_SCHL.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: | STA. | TO STA.

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	10
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		

SCHEDULE OF QUANTITIES

28000400 - PERIMETER EROSION BARRIER

STA	TO	STA	SIDE	LENGTH (FT)
88+00		94+92	RT	692.0
500+00		501+43	LT	143.0
500+35		503+87	RT	352.0
97+39		99+93	RT	253.5
100+80		107+00	RT	620.0
300+97		301+50	RT	52.5
301+34		303+50	LT	216.0

TOTAL= 2,329.0

31100910 - SUBBBASE GRANULAR MATERIAL, TYPE A 12"

STA	TO	STA	LENGTH	WIDTH	AREA (SQ FT)	AREA (SQ YD)
US 45 (UNDER PAVEMENT)						
87+72		92+27	454.3	VARIES	3,123.0	347.0
92+27		99+18	691.6	12.0	8,299.0	923.0
99+18		101+31	213.0	VARIES	3,807.0	423.0
101+31		107+64	633.0	12.0	7,595.5	844.0
107+64		112+21	456.6	VARIES	2,701.3	301.0
US 45 (UNDER SHLD & C&G)						
87+72		99+18	1,145.9	4.2	4,813.0	535.0
101+31		110+77	945.4	4.2	3,971.0	442.0
110+77		112+21	144.2	3.6	519.0	58.0
FLESSNER AVE						
300+42		304+41	398.9	VARIES	20,326.4	2,259.0

TOTAL= 6,132.0

31102000 - SUBBASE GRANULAR MATERIAL, TYPE C

STA	TO	STA	LENGTH	WIDTH	THICKNESS (FT)	AREA (SQ FT)	VOL. (CU YD)
87+72		99+18	1,145.9	4.2	0.2	4,813.0	36.0
101+31		110+77	945.4	4.2	0.2	3,971.0	30.0

TOTAL= 66.0

35101800 - AGGREGATE BASE COURSE, TYPE B 6"

STA	TO	STA	LENGTH	WIDTH	AREA (SQ FT)	AREA (SQ YD)
600+00		605+96	609.0	11.0	6,728.0	748.0
606+89		620+80	1,391.8	11.0	15,590.0	1,733.0

TOTAL= 2,481.0

35400400 - PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 9"

STA	TO	STA	LENGTH	WIDTH	AREA (SQ FT)	AREA (SQ YD)
87+72		87+98	25.6	VARIES	43.2	5.0
110+77		112+21	144.2	VARIES	217.3	25.0

TOTAL= 30.0

35501319 - HOT-MIX ASPHALT BASE COURSE, 8 3/4"

STA	TO	STA	LENGTH	WIDTH	AREA (SQ FT)	AREA (SQ YD)
89+61		109+97	2,036.2	VARIES	24,248.4	2,695.0

TOTAL= 2,695.0

35600711 - HOT-MIX ASPHALT BASE COURSE WIDENING, 8 3/4"

STA	TO	STA	LENGTH	WIDTH	AREA (SQ FT)	AREA (SQ YD)
87+98		89+61	163.2	VARIES	652.9	73.0
109+97		110+77	79.3	VARIES	363.7	41.0

TOTAL= 114.0

40600982 - HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

STA	TO	STA	LENGTH	WIDTH	AREA (SQ FT)	AREA (SQ YD)
307+78		307+97	19.0	4.5	85.5	10.0
309+98		310+16	18.0	4.5	81.0	9.0
313+62		313+62	25.0	4.5	112.5	13.0

TOTAL= 32.0

40603310 - HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50

FLESSNER AVE (RESURFACING ONLY)

STA	TO	STA	LENGTH	WIDTH	AREA (SQ FT)	AREA (SQ YD)	THICKNESS (IN)	TON
304+41		313+62	921.0	VARIES	24,627.0	2,736.3	2.25	344.78
SHARED USE PATH								
600+00		605+96	596.0	10.0	6,118.0	679.8	3.00	114.20
606+89		620+80	1,391.0	10.0	14,177.0	1,575.2	3.00	264.64

TOTAL= 723.6 TON

40603335 - HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50

US 45

STA	TO	STA	LENGTH	WIDTH	AREA (SQ FT)	AREA (SQ YD)	THICKNESS (IN)	TON
87+72		87+98	25.6	VARIES	43.2	4.8	2.00	0.54
87+98		89+61	163.2	VARIES	652.9	72.5	2.00	8.13
89+61		109+97	2,036.2	VARIES	24,248.0	2,694.2	2.00	301.75
109+97		110+77	79.3	VARIES	363.7	40.4	2.00	4.53
110+77		112+21	144.1	VARIES	217.3	24.1	2.00	2.70

TOTAL= 317.70

40701811 - HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6 1/2"

FLESSNER AVE

STA	TO	STA	LENGTH	WIDTH	AREA (SQ FT)	AREA (SQ YD)
300+42		304+41	398.9	VARIES	17,250.0	1,917.0

TOTAL= 1,917.0

4400100 - PAVEMENT REMOVAL

STA	TO	STA	LENGTH	WIDTH	AREA (SQ FT)	AREA (SQ YD)
DOOLITTLE BLVD						
500+34		517+02	1,668.1	VARIES	44,852.3	4,984.0
517+02		521+25	422.9	VARIES	11,772.6	1,309.0
FLESSNER AVE						
300+71		304+41	370.3	VARIES	10,145.5	1,128.0

TOTAL= 7,421

44000157 - HOT-MIX ASPHALT SURFACE REMOVAL, 2"

STA	TO	STA	LENGTH	WIDTH	AREA (SQ FT)	AREA (SQ YD)
304+41		313+62	921.0	VARIES	24,627.2	2,737.0

TOTAL= 2,737

44004250 - PAVED SHOULDER REMOVAL

STA	TO	STA	LENGTH	WIDTH	AREA (SQ FT)	AREA (SQ YD)
87+72		93+06	533.3	8.5	4,534.0	504.0
93+06		107+62	1,456.7	1.5	2,186.0	243.0
107+62		109+26	163.4	8.0	1,308.0	146.0
109+26		110+34	108.6	5.0	543.0	61.0

TOTAL= 954

48101600 - AGGREGATE SHOULDERS, TYPE B 8"

STA	TO	STA	LENGTH	WIDTH	AREA (SQ FT)	AREA (SQ YD)
87+72		99+62	1190	5.0	5960	663
101+01		106+52	551	5.0	2766	308
109+71		110+77	106	11.0	1166	130

TOTAL= 1101 SQ YD

48203029 - HOT-MIX ASPHALT SHOULDERS, 8"

STA	TO	STA	LENGTH	WIDTH	AREA (SQ FT)	AREA (SQ YD)
87+72		99+18	1,146.0	3.0	3438	382
101+31		106+52	521.0	3.0	1563	174
106+52		109+71	319.0	11.0	3509	390
109+71		110+77	106.0	3.0	317	36

TOTAL= 982

60603800 - COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12

STA	TO	STA	SIDE	LENGTH (FT)
FLESSNER AVE				
301+84		304+41	RT	267
301+51		304+41	LT	291
DOOLITTLE DRIVEWAYS/SHARED-USE PATH				
613+68		613+99	RT	31
614+32		614+61	RT	29
614+95		615+25	RT	30
615+61		615+80	RT	23
616+24		616+47	RT	22
616+88		617+11	RT	23
620+80		620+80	RT	80

TOTAL= 796

60605000 - COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24

STA	TO	STA	SIDE	LENGTH (FT)
US 45				
110+77		112+21	RT	144
FLESSNER AVE				
300+32		301+84	RT	157
300+78		301+51	LT	103
300+47		300+88	LT	118

TOTAL= 522

60251300 - CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 9 FRAME AND GRATE

STATION	SIDE	QTY (EA)
310+47	LT	1
312+08	LT	1
312+48	RT	1

TOTAL= 3

60251400 - CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 10 FRAME AND GRATE

STATION	SIDE	QTY (EA)
307+88	LT	1
309+68	LT	1
310+47	RT	1

TOTAL= 3

60251600 - CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 12 FRAME AND GRATE

STATION	SIDE	QTY (EA)
307+50	RT	1

TOTAL= 1

60255500 - MANHOLES TO BE ADJUSTED

STATION	SIDE	QTY (EA)
302+76	LT	1
600+02	LT	1

TOTAL= 2

60261100 - INLETS TO BE ADJUSTED WITH NEW TYPE 9 FRAME AND GRATE

STATION	SIDE	QTY (EA)
305+39	RT	1

TOTAL= 1

60261300 - INLETS TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE

STATION	SIDE	QTY (EA)
305+83	LT	1

TOTAL= 1

78000100 - THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS

STA	DIRECTION	AREA (SQ FT)
100+83	LT	15.6
101+57	LT	15.6
102+31	LT	15.6
103+05	LT	15.6
300+85	LT	15.6
300+95	RT	15.6
301+58	LT	15.6
301+58	RT	15.6
302+31	LT	15.6
302+31	RT	15.6

TOTAL= 156.0

78000200 - THERMOPLASTIC PAVEMENT MARKING - LINE 4"

STA	TO	STA	SIDE	LENGTH (FT)
87+60		99+18	RT EDGE LN	1,158
100+79		110+76	RT EDGE LN	997
100+55		103+05	TURN LN	250
87+72		99+77	CL	4,830
100+65		103+06	CL	492
103+06		112+44	CL	3,762
87+65		112+44	RT SKIP	620
86+00		112+44	LT SKIP	661
301+04		302+31	TURN LN	127
300+64		304+41	CL	1,518

TOTAL= 14,415.0

78000400 - THERMOPLASTIC PAVEMENT MARKING - LINE 6"

STA	SIDE	LENGTH (FT)
300+53	X WALK - RT	46
300+63	X WALK - RT	43
300+67	X WALK - LT	21
300+74	X WALK - LT	21
300+50	AROUND ISL	194

TOTAL= 325.0

78000600 - THERMOPLASTIC PAVEMENT MARKING - LINE 12"

STA	TO	STA	SIDE	LENGTH (FT)
87+71		99+77	CL	306
103+01		112+44	CL	238
300+64		304+41	CL	63
300+50		AROUND ISLAND		154

TOTAL= 761.0

78000650 - THERMOPLASTIC PAVEMENT MARKING - LINE 24"

STA	SIDE	LENGTH (FT)
112+44	RT	26
300+67	RT	12
300+76	LT	21

TOTAL= 59.0

60266600 - VALVE BOXES TO BE ADJUSTED

STATION	SIDE	QTY (EA)
303+30	RT	1

TOTAL= 1

72000100 - SIGN PANEL - TYPE 1

STA	SIGN	QUANTITY	DIMENSION	AREA (SF)
500+34	OM4-1	3	18 X 18	7
300+36	W11-1	1	24 X 24	4
300+36	W16-7P	1	24 X 12	2
300+66	R1-1	1	36 X 36	9
300+66	W4-4P	1	24 X 12	2
300+93	R1-1	1	36 X 36	9
300+93	W4-4P	1	24 X 12	2
301+00	W11-1	1	24 X 24	4
301+00	W16-7P	1	24 X 12	2
304+11	W3-1	1	30 X 30	6
100' E OF KEAL	W20-3	1	36 X 36	9
30' E OF KEAL	R3-5	1	30 X 36	8
17' E OF KEAL	D3-1	2	18 X 30	8
500+22	R3-5	1	30 X 36	8
517+02	OM4-1	3	18 X 18	7

TOTAL= 85

78100100 - RAISED REFLECTIVE PAVEMENT MARKER

STA	TO	STA	SIDE	LENGTH	NO. OF MARKERS
87+72		99+77	CL	1205	67
100+65		103+05	CL	240	12
103+05		112+44	CL	939	48
100+65		103+05	TURN LN	240	6
87+65		112+44	RT SKIP	2479	36
86+00		112+44	LT SKIP	2644	39

TOTAL= 208.0

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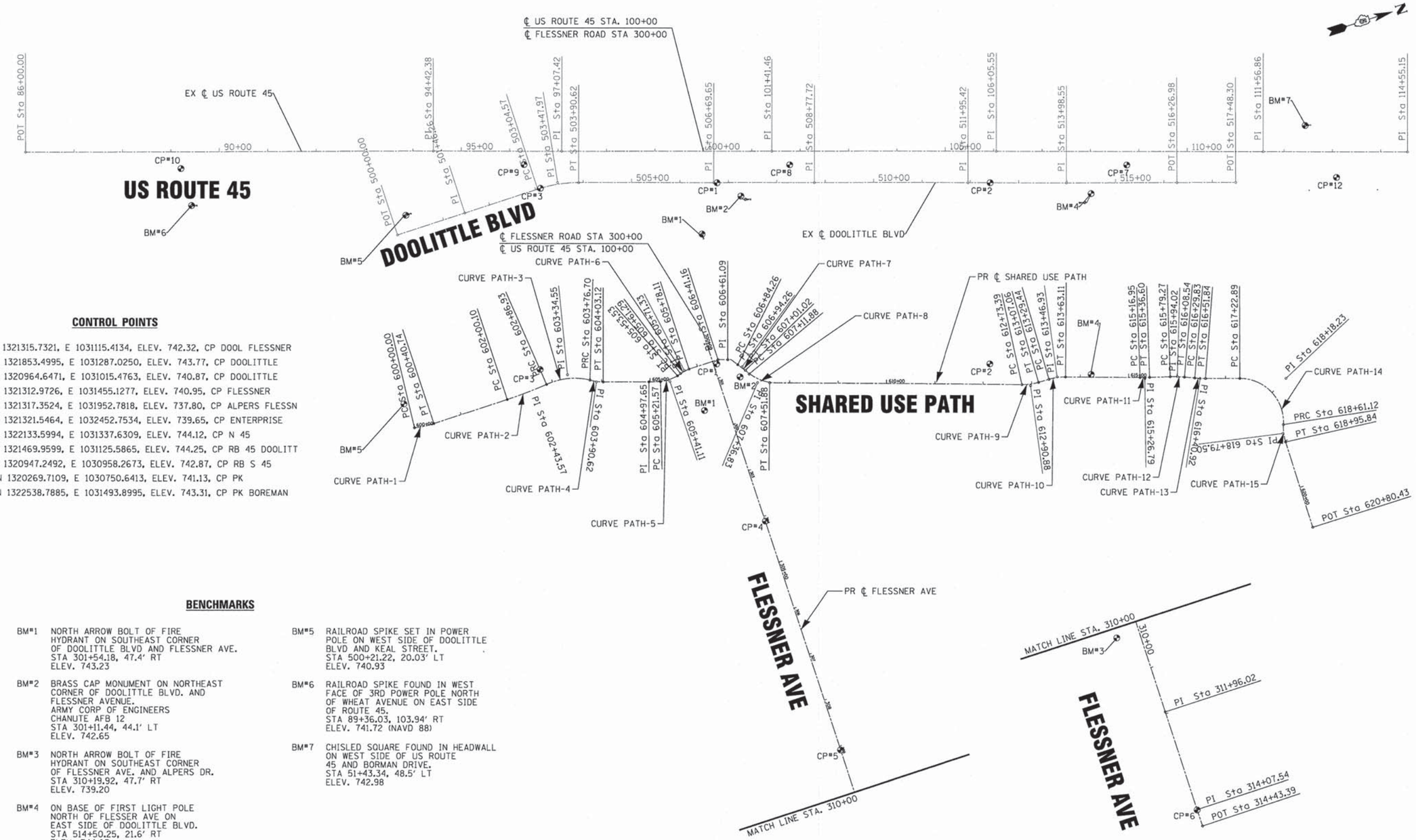
	DRAWN - BCD	REVISED -	
	CHECKED - TAO	REVISED -	
	DATE - 12-5-14	FILE - 120185_SCH2.sht	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: STA. TO STA.

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	11
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT	M-5059(105)	



CONTROL POINTS

CP 1, N 1321315.7321, E 1031115.4134, ELEV. 742.32, CP DOOL FLESSNER
CP 2, N 1321853.4995, E 1031287.0250, ELEV. 743.77, CP DOOLITTLE
CP 3, N 1320964.6471, E 1031015.4763, ELEV. 740.87, CP DOOLITTLE
CP 4, N 1321312.9726, E 1031455.1277, ELEV. 740.95, CP FLESSNER
CP 5, N 1321317.3524, E 1031952.7818, ELEV. 737.80, CP ALPERS FLESSN
CP 6, N 1321321.5464, E 1032452.7534, ELEV. 739.65, CP ENTERPRISE
CP 7, N 1322133.5994, E 1031337.6309, ELEV. 744.12, CP N 45
CP 8, N 1321469.9599, E 1031125.5865, ELEV. 744.25, CP RB 45 DOOLITT
CP 9, N 1320947.2492, E 1030958.2673, ELEV. 742.87, CP RB S 45
CP 10, N 1320269.7109, E 1030750.6413, ELEV. 741.13, CP PK
CP 12, N 1322538.7885, E 1031493.8995, ELEV. 743.31, CP PK BOREMAN

BENCHMARKS

BM=1 NORTH ARROW BOLT OF FIRE HYDRANT ON SOUTHEAST CORNER OF DOOLITTLE BLVD AND FLESSNER AVE. STA 301+54.18, 47.4' RT ELEV. 743.23

BM=2 BRASS CAP MONUMENT ON NORTHEAST CORNER OF DOOLITTLE BLVD. AND FLESSNER AVENUE. ARMY CORP OF ENGINEERS CHANUTE AFB 12 STA 301+11.44, 44.1' LT ELEV. 742.65

BM=3 NORTH ARROW BOLT OF FIRE HYDRANT ON SOUTHEAST CORNER OF FLESSNER AVE. AND ALPERS DR. STA 310+19.92, 47.7' RT ELEV. 739.20

BM=4 ON BASE OF FIRST LIGHT POLE NORTH OF FLESSER AVE ON EAST SIDE OF DOOLITTLE BLVD. STA 514+50.25, 21.6' RT ELEV. 744.03

BM=5 RAILROAD SPIKE SET IN POWER POLE ON WEST SIDE OF DOOLITTLE BLVD AND KEAL STREET. STA 500+21.22, 20.03' LT ELEV. 740.93

BM=6 RAILROAD SPIKE FOUND IN WEST FACE OF 3RD POWER POLE NORTH OF WHEAT AVENUE ON EAST SIDE OF ROUTE 45. STA 89+36.03, 103.94' RT ELEV. 741.72 (NAVD 88)

BM=7 CHISLED SQUARE FOUND IN HEADWALL ON WEST SIDE OF US ROUTE 45 AND BORMAN DRIVE. STA 51+43.34, 48.5' LT ELEV. 742.98

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT AND BENCHMARKS

SCALE: 1"=100' | STA. | TO STA.

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	12
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT	M-5059(105)	

US ROUTE 45 ALIGNMENT

Point US1 N 1,319,974.87 E 1,030,618.90 Sta 86+00.00

Course from US1 to US2 N 17° 46′ 45.79″ E Dist 507.20

Point US2 N 1,320,457.85 E 1,030,773.78 Sta 91+07.20

Course from US2 to US3 N 17° 32′ 11.86″ E Dist 335.19

Point US3 N 1,320,777.46 E 1,030,874.78 Sta 94+42.39

Course from US3 to US4 N 17° 47′ 17.32″ E Dist 265.03

Point US4 N 1,321,029.82 E 1,030,955.74 Sta 97+07.42

Course from US4 to US5 N 17° 40′ 16.03″ E Dist 434.04

Point US5 N 1,321,443.38 E 1,031,087.50 Sta 101+41.46

Course from US5 to US6 N 17° 43′ 02.98″ E Dist 464.10

Point US6 N 1,321,885.47 E 1,031,228.73 Sta 106+05.56

Course from US6 to US7 N 17° 45′ 41.91″ E Dist 348.53

Point US7 N 1,322,217.39 E 1,031,335.06 Sta 109+54.09

Course from US7 to US8 N 17° 38′ 13.92″ E Dist 202.77

Point US8 N 1,322,410.62 E 1,031,396.49 Sta 111+56.86

Course from US8 to US9 N 17° 56′ 54.48″ E Dist 298.29

Point US9 N 1,322,694.39 E 1,031,488.41 Sta 114+55.15

FLESSNER AVENUE ALIGNMENT

Point FL1 N 1,321,308.60 E 1,031,044.56 Sta 300+00.00

Course from FL1 to FL2 N 89° 36′ 33.70″ E Dist 113.84

Point FL2 N 1,321,309.37 E 1,031,158.40 Sta 301+13.84

Course from FL2 to FL3 N 89° 20′ 18.52″ E Dist 159.46

Point FL3 N 1,321,311.22 E 1,031,317.84 Sta 302+73.30

Course from FL3 to FL4 N 89° 23′ 49.72″ E Dist 233.57

Point FL4 N 1,321,313.67 E 1,031,551.40 Sta 305+06.87

Course from FL4 to FL5 N 89° 23′ 39.54″ E Dist 279.28

Point FL5 N 1,321,316.63 E 1,031,830.67 Sta 307+86.15

Course from FL5 to FL6 N 89° 32′ 23.27″ E Dist 409.87

Point FL6 N 1,321,319.92 E 1,032,240.53 Sta 311+96.02

Course from FL6 to FL7 N 89° 32′ 24.29″ E Dist 211.52

Point FL7 N 1,321,321.62 E 1,032,452.04 Sta 314+07.54

Course from FL7 to FL8 N 89° 07′ 51.30″ E Dist 35.85

Point FL8 N 1,321,322.16 E 1,032,487.88 Sta 314+43.39

DOOLITTLE BLVD ALIGNMENT

Point DL1 N 1,320,654.16 E 1,031,017.98 Sta 500+00.00

Course from DL1 to DL2 N 0° 26′ 41.01″ W Dist 146.26

Point DL2 N 1,320,800.41 E 1,031,016.85 Sta 501+46.26

Course from DL2 to PC DOOLITTLE-1 N 0° 33′ 31.21″ W Dist 158.32

Curve Data

Curve DOOLITTLE-1

P.I. Station	503+47.97 N	1,321,002.11 E	1,031,014.88
Delta =	18° 15′ 34.88″ (RT)		
Degree =	21° 13′ 14.37″		
Tangent =	43.39		
Length =	86.05		
Radius =	270.00		
External =	3.46		
Long Chord =	85.68		
Mid. Ord. =	3.42		
P.C. Station	503+04.57 N	1,320,958.72 E	1,031,015.30
P.T. Station	503+90.62 N	1,321,043.45 E	1,031,028.07
C.C.	N	1,320,961.36 E	1,031,285.29
Back = N	0° 33′ 31.21″ W		
Ahead = N	17° 42′ 03.67″ E		
Chord Bear = N	8° 34′ 16.23″ E		

Course from PT DOOLITTLE-1 to DL3 N 17° 42′ 03.67″ E Dist 279.03

Point DL3 N 1,321,309.27 E 1,031,112.91 Sta 506+69.65

Course from DL3 to DL4 N 17° 42′ 29.28″ E Dist 208.07

Point DL4 N 1,321,507.48 E 1,031,176.20 Sta 508+77.72

Course from DL4 to DL5 N 17° 44′ 30.83″ E Dist 317.70

Point DL5 N 1,321,810.07 E 1,031,273.01 Sta 511+95.42

Course from DL5 to DL6 N 17° 46′ 08.96″ E Dist 203.13

Point DL6 N 1,322,003.51 E 1,031,335.01 Sta 513+98.55

Course from DL6 to DL7 N 17° 32′ 13.36″ E Dist 349.75

Point DL7 N 1,322,337.00 E 1,031,440.39 Sta 517+48.30

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45, FLESSNER AVE & DOOLITTLE BLVD ALIGNMENT

SCALE: 1"=50' STA. TO STA.

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	13
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT	M-5059(105)	

SHARED USE PATH ALIGNMENT

Curve PATH-1 (Chord Definition)
P.I. Station 600+20.66 N 1,320,701.26 E 1,031,055.50
Delta = 11° 47' 47.29" (LT)
Degree = 28° 57' 18.09"
Tangent = 20.66
Length = 40.74
Radius = 200.00
External = 1.06
Long Chord = 41.10
Mid. Ord. = 1.06
P.C. Station 600+00.00 N 1,320,680.98 E 1,031,051.51
P.T. Station 600+40.74 N 1,320,721.92 E 1,031,055.25
C.C. N 1,320,719.56 E 1,030,855.27
Back = N 11° 07' 17.75" E
Ahead = N 0° 40' 29.54" W
Chord Bear = N 5° 13' 24.11" E

Course from PT PATH-1 to PC PATH-2 N 0° 31' 51.22" W Dist 159.36

Curve PATH-2 (Chord Definition)
P.I. Station 602+43.57 N 1,320,924.74 E 1,031,053.37
Delta = 5° 28' 11.59" (LT)
Degree = 6° 17' 57.88"
Tangent = 43.47
Length = 86.83
Radius = 910.00
External = 1.04
Long Chord = 86.84
Mid. Ord. = 1.04
P.C. Station 602+00.10 N 1,320,881.27 E 1,031,053.78
P.T. Station 602+86.93 N 1,320,967.97 E 1,031,048.83
C.C. N 1,320,872.84 E 1,030,143.82
Back = N 0° 31' 51.22" W
Ahead = N 6° 00' 02.81" W
Chord Bear = N 3° 15' 57.01" W

Curve PATH-3 (Chord Definition)
P.I. Station 603+34.55 N 1,321,015.25 E 1,031,043.21
Delta = 37° 33' 58.60" (RT)
Degree = 41° 50' 58.79"
Tangent = 47.61
Length = 89.76
Radius = 140.00
External = 7.88
Long Chord = 90.16
Mid. Ord. = 7.46
P.C. Station 602+86.93 N 1,320,967.97 E 1,031,048.83
P.T. Station 603+76.70 N 1,321,056.16 E 1,031,067.58
C.C. N 1,320,984.50 E 1,031,187.85
Back = N 6° 46' 48.93" W
Ahead = N 30° 47' 09.68" E
Chord Bear = N 12° 00' 10.38" E

Curve PATH-4 (Chord Definition)
P.I. Station 603+90.62 N 1,321,067.77 E 1,031,075.27
Delta = 15° 51' 16.02" (LT)
Degree = 60° 00' 00.00"
Tangent = 13.92
Length = 26.42
Radius = 100.00
External = 0.96
Long Chord = 27.58
Mid. Ord. = 0.96
P.C. Station 603+76.70 N 1,321,056.16 E 1,031,067.58
P.T. Station 604+03.12 N 1,321,081.03 E 1,031,079.50
C.C. N 1,321,111.39 E 1,030,984.22
Back = N 33° 31' 32.05" E
Ahead = N 17° 40' 16.03" E
Chord Bear = N 25° 35' 54.04" E

Course from PT PATH-4 to P11 N 17° 40' 16.03" E Dist 94.52

Point P11 N 1,321,171.10 E 1,031,108.19 Sta 604+97.65

Course from P11 to PC PATH-5 N 16° 42' 03.37" E Dist 23.92

Curve PATH-5 (Chord Definition)
P.I. Station 605+41.11 N 1,321,212.73 E 1,031,120.68
Delta = 36° 04' 44.40" (LT)
Degree = 112° 53' 07.37"
Tangent = 19.54
Length = 31.96
Radius = 60.00
External = 3.10
Long Chord = 37.16
Mid. Ord. = 2.95
P.C. Station 605+21.57 N 1,321,194.01 E 1,031,115.06
P.T. Station 605+53.53 N 1,321,231.16 E 1,031,114.20
C.C. N 1,321,211.25 E 1,031,057.59
Back = N 16° 42' 03.37" E
Ahead = N 19° 22' 41.02" W
Chord Bear = N 1° 20' 18.82" W

Course from PT PATH-5 to PC PATH-6 N 19° 22' 41.02" W Dist 7.76

Curve PATH-6 (Chord Definition)
P.I. Station 605+71.33 N 1,321,247.95 E 1,031,108.29
Delta = 18° 59' 14.73" (RT)
Degree = 112° 53' 07.37"
Tangent = 10.03
Length = 16.82

Radius = 60.00
External = 0.83
Long Chord = 19.79
Mid. Ord. = 0.82
P.C. Station 605+61.29 N 1,321,238.48 E 1,031,111.62
P.T. Station 605+78.11 N 1,321,257.98 E 1,031,108.22
C.C. N 1,321,258.39 E 1,031,168.22
Back = N 19° 22' 41.02" W
Ahead = N 0° 23' 26.30" W
Chord Bear = N 9° 53' 03.66" W

Course from PT PATH-6 to P12 N 0° 23' 26.30" W Dist 63.05

Point P12 N 1,321,321.03 E 1,031,107.79 Sta 606+41.16

Course from P12 to P13 N 17° 40' 16.03" E Dist 19.93

Point P13 N 1,321,340.02 E 1,031,113.84 Sta 606+61.09

Course from P13 to PC PATH-7 N 44° 20' 33.18" E Dist 23.17

Curve PATH-7 (Chord Definition)
P.I. Station 606+94.26 N 1,321,363.74 E 1,031,137.02
Delta = 18° 55' 23.65" (RT)
Degree = 112° 53' 07.37"
Tangent = 10.00
Length = 16.76
Radius = 60.00
External = 0.83
Long Chord = 19.73
Mid. Ord. = 0.82
P.C. Station 606+84.26 N 1,321,356.59 E 1,031,130.03
P.T. Station 607+01.02 N 1,321,368.24 E 1,031,145.95
C.C. N 1,321,314.65 E 1,031,172.95
Back = N 44° 20' 33.18" E
Ahead = N 63° 15' 56.82" E
Chord Bear = N 53° 48' 15.00" E

Course from PT PATH-7 to PC PATH-8 N 63° 15' 56.82" E Dist 10.86

Curve PATH-8 (Chord Definition)
P.I. Station 607+36.83 N 1,321,384.35 E 1,031,177.93
Delta = 45° 09' 09.58" (LT)
Degree = 112° 53' 07.37"
Tangent = 24.95
Length = 40.00
Radius = 60.00
External = 4.98
Long Chord = 46.07
Mid. Ord. = 4.60
P.C. Station 607+11.88 N 1,321,373.12 E 1,031,155.65
P.T. Station 607+51.88 N 1,321,408.06 E 1,031,185.69
C.C. N 1,321,426.71 E 1,031,128.66
Back = N 63° 15' 56.82" E
Ahead = N 18° 06' 47.24" E
Chord Bear = N 40° 41' 22.03" E

Course from PT PATH-8 to PC PATH-9 N 18° 06' 47.24" E Dist 521.51

Curve PATH-9 (Chord Definition)
P.I. Station 612+90.88 N 1,321,920.35 E 1,031,353.26
Delta = 16° 34' 55.43" (LT)
Degree = 49° 14' 55.09"
Tangent = 17.49
Length = 33.67
Radius = 120.00
External = 1.27
Long Chord = 34.61
Mid. Ord. = 1.25
P.C. Station 612+73.39 N 1,321,903.73 E 1,031,347.82
P.T. Station 613+07.06 N 1,321,937.83 E 1,031,353.73
C.C. N 1,321,941.03 E 1,031,233.77
Back = N 18° 06' 47.24" E
Ahead = N 1° 31' 51.81" E
Chord Bear = N 9° 49' 19.52" E

Course from PT PATH-9 to PC PATH-10 N 1° 31' 51.81" E Dist 22.38

Curve PATH-10 (Chord Definition)
P.I. Station 613+46.93 N 1,321,977.68 E 1,031,354.79
Delta = 16° 34' 55.43" (RT)
Degree = 49° 14' 55.09"
Tangent = 17.49
Length = 33.67
Radius = 120.00
External = 1.27
Long Chord = 34.61
Mid. Ord. = 1.25
P.C. Station 613+29.44 N 1,321,960.20 E 1,031,354.32
P.T. Station 613+63.11 N 1,321,994.30 E 1,031,360.23
C.C. N 1,321,956.99 E 1,031,474.28
Back = N 1° 31' 51.81" E
Ahead = N 18° 06' 47.24" E
Chord Bear = N 9° 49' 19.52" E

Course from PT PATH-10 to PC PATH-11 N 18° 06' 47.24" E Dist 153.83

Curve PATH-11 (Chord Definition)
P.I. Station 615+26.79 N 1,322,149.87 E 1,031,411.11
Delta = 2° 15' 22.94" (LT)
Degree = 11° 28' 42.03"
Tangent = 9.85
Length = 19.66
Radius = 500.00
External = 0.10
Long Chord = 19.69
Mid. Ord. = 0.10
P.C. Station 615+16.95 N 1,322,140.51 E 1,031,408.05
P.T. Station 615+36.60 N 1,322,159.34 E 1,031,413.81
C.C. N 1,322,295.96 E 1,030,932.83
Back = N 18° 06' 47.24" E
Ahead = N 15° 51' 24.30" E
Chord Bear = N 16° 59' 05.77" E

Course from PT PATH-11 to PC PATH-12 N 15° 51' 24.30" E Dist 42.67

Curve PATH-12 (Chord Definition)
P.I. Station 615+94.02 N 1,322,214.57 E 1,031,429.49
Delta = 6° 45' 09.95" (RT)
Degree = 23° 04' 26.11"
Tangent = 14.75
Length = 29.27
Radius = 250.00
External = 0.43
Long Chord = 29.45
Mid. Ord. = 0.43
P.C. Station 615+79.27 N 1,322,200.38 E 1,031,425.46
P.T. Station 616+08.54 N 1,322,228.19 E 1,031,435.16
C.C. N 1,322,132.07 E 1,031,665.95
Back = N 15° 51' 24.30" E
Ahead = N 22° 36' 34.25" E
Chord Bear = N 19° 13' 59.28" E

Course from PT PATH-12 to PC PATH-13 N 22° 36' 34.25" E Dist 21.30

Curve PATH-13 (Chord Definition)
P.I. Station 616+40.92 N 1,322,258.08 E 1,031,447.61
Delta = 5° 04' 45.13" (LT)
Degree = 23° 04' 26.11"
Tangent = 11.09
Length = 22.01
Radius = 250.00
External = 0.25
Long Chord = 22.15
Mid. Ord. = 0.25
P.C. Station 616+29.83 N 1,322,247.85 E 1,031,443.35
P.T. Station 616+51.84 N 1,322,268.65 E 1,031,450.95
C.C. N 1,322,343.96 E 1,031,212.56
Back = N 22° 36' 34.25" E
Ahead = N 17° 31' 49.12" E
Chord Bear = N 20° 04' 11.69" E

Course from PT PATH-13 to PC PATH-14 N 17° 31' 49.12" E Dist 71.05

Curve PATH-14 (Chord Definition)
P.I. Station 618+18.23 N 1,322,427.32 E 1,031,501.07
Delta = 93° 18' 01.85" (RT)
Degree = 67° 29' 52.72"
Tangent = 95.34
Length = 138.23
Radius = 90.00
External = 41.11
Long Chord = 130.89
Mid. Ord. = 28.22
P.C. Station 617+22.89 N 1,322,336.40 E 1,031,472.35
P.T. Station 618+61.12 N 1,322,393.41 E 1,031,590.18
C.C. N 1,322,309.30 E 1,031,558.17
Back = N 17° 31' 49.12" E
Ahead = S 69° 10' 09.03" E
Chord Bear = N 64° 10' 50.04" E

Curve PATH-15 (Chord Definition)
P.I. Station 618+79.50 N 1,322,386.88 E 1,031,607.36
Delta = 20° 49' 50.97" (LT)
Degree = 60° 00' 00.00"
Tangent = 18.38
Length = 34.72
Radius = 100.00
External = 1.68
Long Chord = 36.16
Mid. Ord. = 1.65
P.C. Station 618+61.12 N 1,322,393.41 E 1,031,590.18
P.T. Station 618+95.84 N 1,322,386.88 E 1,031,625.74
C.C. N 1,322,486.88 E 1,031,625.74
Back = S 69° 10' 09.03" E
Ahead = Due East
Chord Bear = S 79° 35' 04.52" E

Course from PT PATH-15 to P14 Due East Dist 184.59

Point P14 N 1,322,386.88 E 1,031,810.33 Sta 620+80.43

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	CHECKED - TAO	REVISED -	
	DATE - 12-5-14	FILE - 120185_Align03.sht	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHARED USE PATH ALIGNMENT

SCALE: NONE | STA. | TO STA.

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 (10)	09-00101-00-PV	CHAMPAIGN	74	14
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT	M-5059(105)	

NOTE:
INSIDE EDGE OF HMA SHOULDER = 34' RT
UNLESS OTHERWISE SPECIFIED IN PLANS

LEGEND:
PAVEMENT REMOVAL
CURB AND GUTTER REMOVAL
TREE REMOVAL
TREE TRUNK PROTECTION

CANADIAN NATIONAL
RAILROAD
Right of Way

STA 87+97.97
END PCC BASE COURSE WIDENING
BEGIN HMA BASE COURSE WIDENING
STA 89+61.20
END HMA BASE COURSE WIDENING
BEGIN HMA BASE COURSE

BEGIN PCC BASE COURSE WIDENING STA 87+72.33

EXISTING ℄ US ROUTE 45

US ROUTE 45

EX ROW

22.5'
33'
85'
50'

86 | 87 | 88 | 89 | 90+00 | 91

BEGIN PAVED SHOULDER REMOVAL 8.5' WIDE STA. 87+72.33

SAW CUT ALONG PGL - FOLLOW OFFSETS FOR TAPER

32.6' RT

34.0' RT

EXISTING 8.5' WIDE HMA SHOULDER

PGL

PROPOSED 8' SHOULDER (3' HMA, 5' AGG) (TYP)

24" 18" 15" 15" 22" 34' 22" 26" 24" 24" 24" 22" 15" 34' 16" 50' 30"

PR ROW

87+25.32
75.5' RT

AGGREGATE SHOULDER, TYPE B-8" SQ YD

POTENTIAL FIBER OPTIC CONFLICT

16'

EX ROW

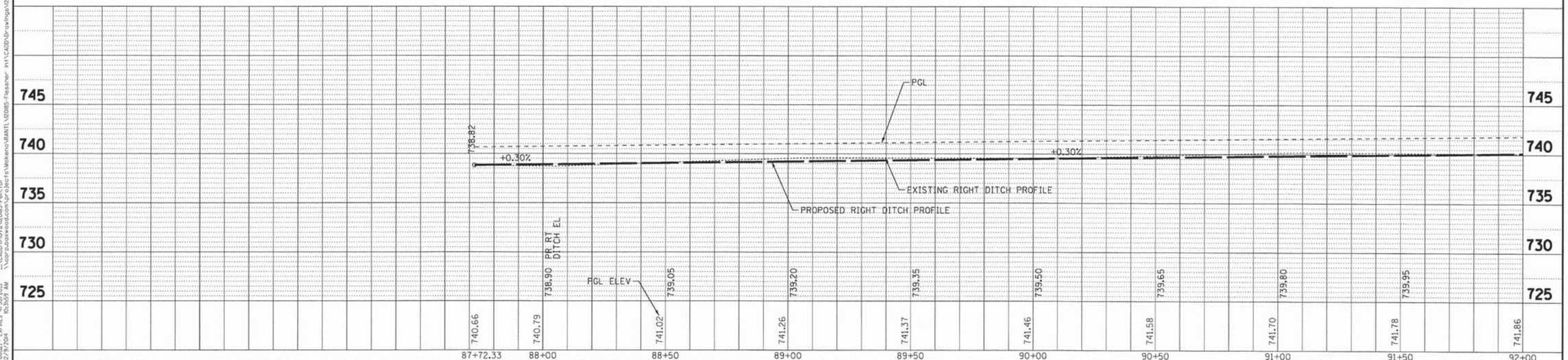
18"

EX ROW

23'
23'
85'

MATCH LINE STA. 92+00 - SEE SHEET NO. 17

BM#6



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DRAWN - BCD	REVISED -		
CHECKED - TAO	REVISED -		SCALE: H: 1"=20' V: 1"=5' STA. 87+75 TO STA. 92+00
DATE - 12-5-14	FILE - 120185_PP01.sht		

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	15
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT	M-5059(105)	

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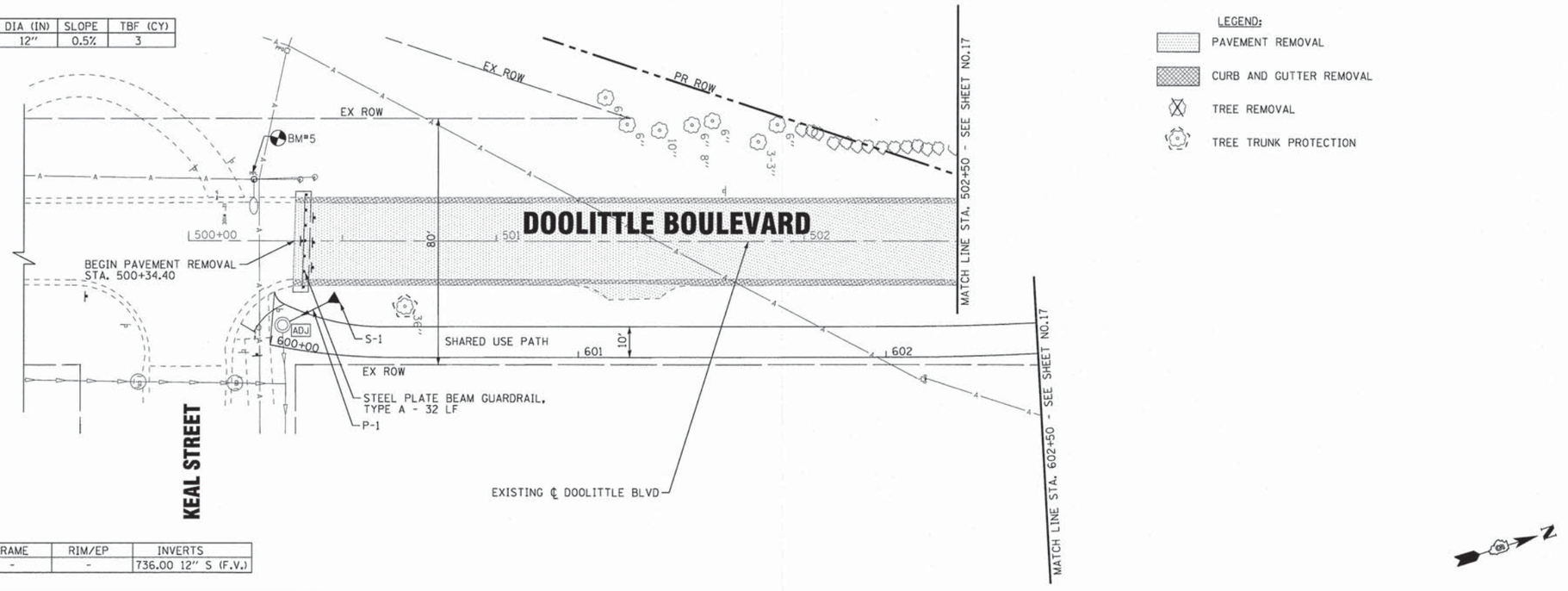
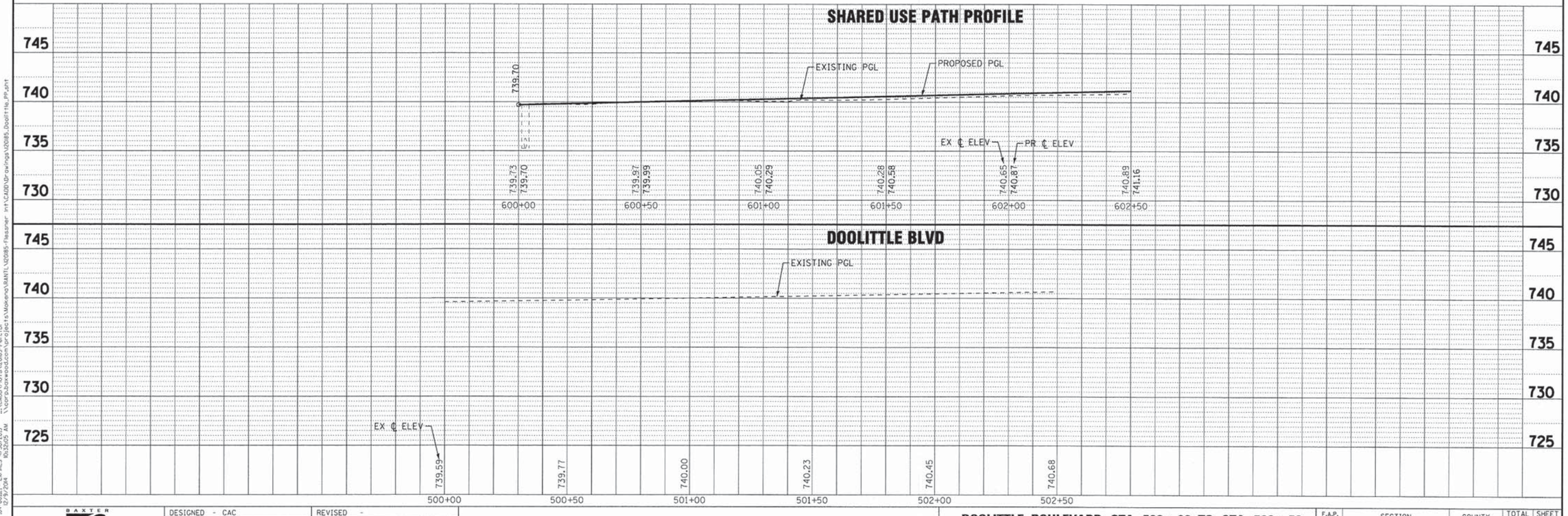
PIPES

NO.	TYPE	LENGTH (FT)	DIA (IN)	SLOPE	TBF (CY)
P-1	STORM SEWER, CLASS A TY1	15	12"	0.5%	3



STORM STRUCTURES

NO.	STATION	OFFSET	TYPE	FRAME	RIM/EP	INVERTS
S-1	500+45	20' RT	PRC FES 12"	-	-	736.00 12" S (F.V.)



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	CHECKED - TAO	REVISED -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DOOLITTLE BOULEVARD STA 500+00 TO STA 502+50
SHARED USE PATH 600+00 TO STA 602+50

SCALE: H: 1"=20' V: 1"=5' | STA. | TO STA.

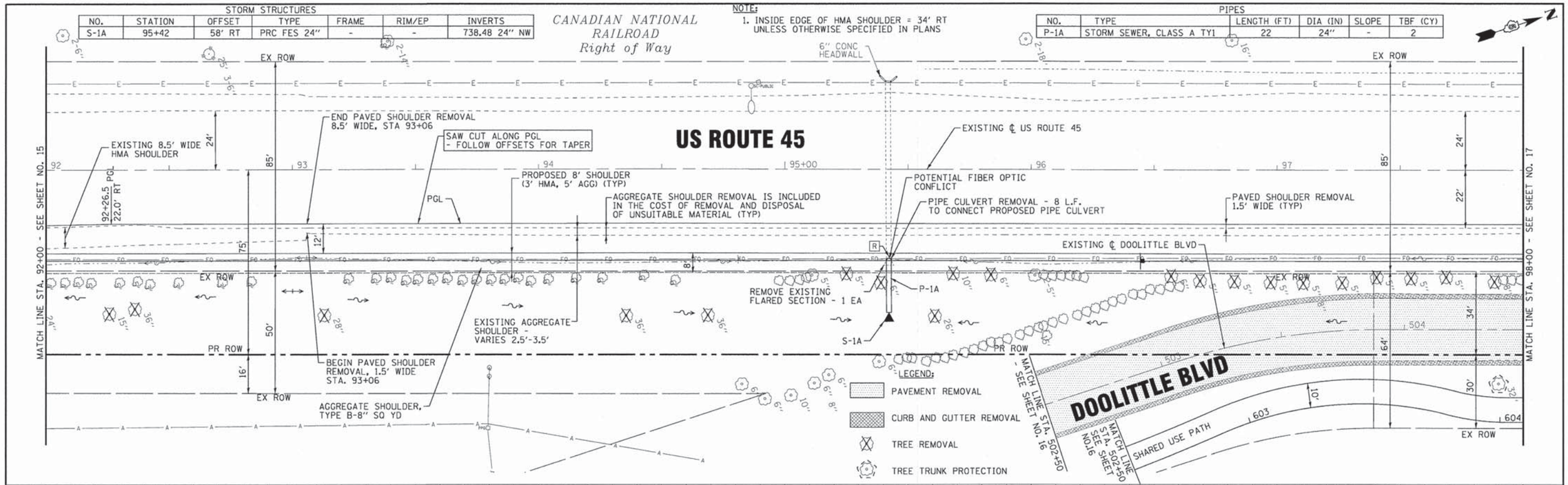
F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600 7101	09-00101-00-PV	CHAMPAIGN	74	16
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		

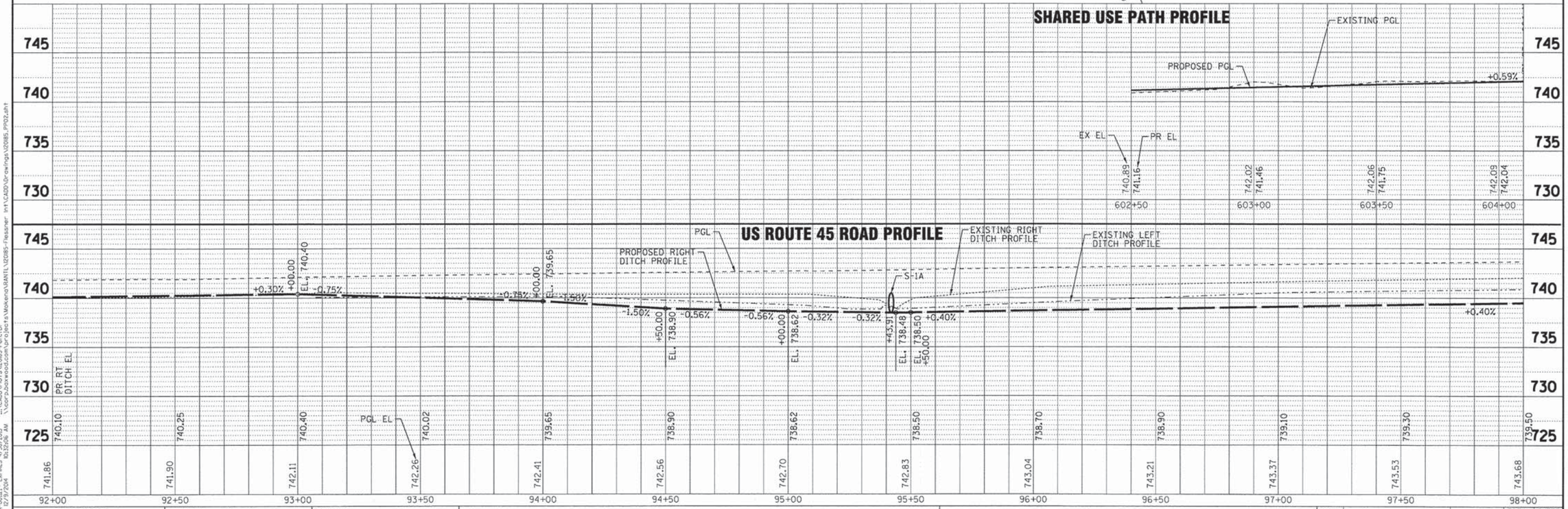
STORM STRUCTURES						
NO.	STATION	OFFSET	TYPE	FRAME	RIM/EP	INVERTS
S-1A	95+42	58' RT	PRC FES 24"	-	-	738.48 24" NW

PIPES					
NO.	TYPE	LENGTH (FT)	DIA (IN)	SLOPE	TBF (CY)
P-1A	STORM SEWER, CLASS A TY1	22	24"	-	2

CANADIAN NATIONAL RAILROAD
Right of Way

NOTE:
1. INSIDE EDGE OF HMA SHOULDER = 34' RT UNLESS OTHERWISE SPECIFIED IN PLANS





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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45
PLAN AND PROFILE

SCALE: H: 1"=20' V: 1"=5' | STA. 92+00 | TO STA. 98+00

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	17
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		

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PIPES					
NO.	TYPE	LENGTH (FT)	DIA (IN)	SLOPE	TBF (CY)
P-2	STORM SEWER, CLASS A TYI EQUIVALENT ROUND-SIZE	162	18"	-	38

LEGEND:
PAVEMENT REMOVAL
CURB AND GUTTER REMOVAL
TREE REMOVAL
TREE TRUNK PROTECTION

CANADIAN NATIONAL RAILROAD
Right of Way

EX ROW

AGGREGATE SHOULDER REMOVAL IS INCLUDED IN THE COST OF REMOVAL AND DISPOSAL OF UNSUITALBE MATERIAL (TYP)

PROPOSED 8' SHOULDER (3' HMA, 5' AGG) (TYP)

℄ US ROUTE 45 STA 100+00
℄ FLESSNER ROAD STA 300+00

POTENTIAL CABLE TV CONFLICT

POTENTIAL FIBER OPTIC CONFLICT

EXISTING ℄ US ROUTE 45

SAW CUT ALONG PGL FOLLOW OFFSETS FOR TAPER

108°03'42"

300+00

PAVED SHOULDER REMOVAL 1.5 WIDE (TYP)

US ROUTE 45

PROPOSED 8' SHOULDER (3' HMA, 5' AGG) (TYP)

EXISTING AGGREGATE SHOULDER - VARIES 2.5' - 3.5'

AGGREGATE SHOULDER, TYPE B-8" SQ YD (TYP)

PGL

STONE RIP-RAP, CLASS A3 FILTER FABRIC 5 SQ YD

MATCH LINE STA. 98+00 - SEE SHEET NO. 16

MATCH LINE STA. 104+00 - SEE SHEET NO.18

P-2

S-2

S-3

EX ℄ DOOLITTLE BLVD

DOOLITTLE BLVD

ADJUST MONITORING WELLS, 1 EACH

EXISTING POSTS TO BE REMOVED (INCLUDED IN EARTH EXCAVATION)

SEAL ABANDONED MONITORING WELL

SHARED USE PATH

PR ROW

EX ROW

BM=2

FLESSNER AVE

FOR CONTINUATION SEE SHEET NO. 21

STORM STRUCTURES				
NO.	STATION	OFFSET	TYPE	INVERTS
S-2	99+48	63' RT	PRC FES, EQUIVALENT ROUND - SIZE 18"	740.07 14"x23" NE
S-3	101+10	63' RT	PRC FES, EQUIVALENT ROUND - SIZE 18"	740.76 14"x23" SW

NOTE:
1. INSIDE EDGE OF HMA SHOULDER = 34' RT UNLESS OTHERWISE SPECIFIED IN PLANS

SHARED USE PATH PROFILE

VPI STA. 604+13.50
ELEVATION 742.12
+0.40%
PROPOSED PGL
EXISTING PGL
EX EL
PR EL
742.47
742.27
742.09
742.47
742.27
742.66
VPI STA. 605+66.41
ELEVATION 742.73
-0.19%
742.65
741.98
742.67
742.44
VPI STA. 607+87.16
ELEVATION 743.52
+0.31%
+0.39%
743.13
743.63
743.67
743.57
743.90
743.77
VPI STA. 608+87.17
ELEVATION 743.91
+0.39%
-0.40%
743.93
743.86
743.63
743.66
VPI STA. 609+87.17
ELEVATION 743.51
-0.40%
+0.58%
743.64
743.58

745
740
735

604+50 605+00 605+50 606+00 607+00 607+50 608+00 608+50 609+00 609+50 610+00

US ROUTE 45 PROFILE

℄ FLESSNER AVENUE

PGL
EXISTING LEFT DITCH PROFILE
P-2
EXISTING RIGHT DITCH PROFILE
PROPOSED RIGHT DITCH PROFILE
PR RT DITCH EL
739.50
739.70
739.90
PGL ELEV
740.10
740.30
740.50
740.70
740.90
741.30
741.55
741.80
742.05
743.68
743.83
743.96
744.10
744.23
744.38
744.45
744.52
744.65
744.51
744.54
744.56
744.58
+0.40%
+0.80%
+0.50%
+1.37%
EL. 740.90
EL. 741.55
EL. 742.05

745
740
735
730

98+00 98+50 99+00 99+50 100+00 100+50 101+00 101+50 102+00 102+50 103+00 103+50 104+00

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45
PLAN AND PROFILE

SCALE: H: 1"=20' V: 1"=5' | STA. 98+00 | TO STA.104+00

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
BDE 7101	09-00101-00-PV	CHAMPAIGN	74	18
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		

NOTE:
1. INSIDE EDGE OF HMA SHOULDER = 34' RT UNLESS OTHERWISE SPECIFIED IN PLANS

LEGEND:
PAVEMENT REMOVAL
CURB AND GUTTER REMOVAL
TREE REMOVAL
TREE TRUNK PROTECTION

CANADIAN NATIONAL RAILROAD
Right of Way

MATCH LINE STA. 104+00 - SEE SHEET NO. 17

AGGREGATE SHOULDER REMOVAL IS INCLUDED IN THE COST OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (TYP)

PAVED SHOULDER REMOVAL 1.5' WIDE (TYP)

PROPOSED 8' SHOULDER (3' HMA, 5' AGG) (TYP)

SAWCUT ALONG PGL FOLLOW OFFSETS FOR TAPER

PGL

US ROUTE 45

EXISTING ℄ US ROUTE 45

EXISTING AGGREGATE SHOULDER - VARIES 2.5'-3.5'

TERMINAL MARKER DIRECT APPLIED

TRAFFIC BARRIER TERMINAL TYPE 1, (SPECIAL) TANGENT STA. 106+50 TO STA. 107+30

END PAVED SHOULDER REMOVAL 1.5' WIDE, STA. 107+62

107+64.2
22.0' RT

BEGIN PAVED SHOULDER REMOVAL 8.0' WIDE, STA. 107+62

AGGREGATE SHOULDER, TYPE B-8" SQ YD

EXISTING HMA SHOULDER - VARIES 8' - 5'

CABLE TV TO BE RELOCATED BY UTILITY

TERMINAL MARKER DIRECT APPLIED

109+56.5
26.8' RT

END HMA BASE COURSE
BEGIN HMA BASE COURSE WIDENING STA 109+97.30

EXISTING ℄ DOOLITTLE BLVD

DOOLITTLE BLVD

EXISTING LIGHT POLE TO BE REMOVED BY UTILITY

HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50-3"
AGGREGATE BASE COURSE, TYPE B, 6"

SHARED USE PATH

POWER POLE TO BE RELOCATED

Existing Parking Lot

+70 C.E.
BM=4

+58 C.E.

+95 C.E.

+57 C.E.

+32 C.E.

+77 C.E.

EX ROW

PR ROW

MATCH LINE STA. 110+00 - SEE SHEET NO. 19

COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12 (TYP)

STEEL PLATE BEAM GUARDRAIL, TYPE A
STA. 107+30 TO STA. 109+55

TRAFFIC BARRIER TERMINAL, TYPE 2
STA. 109+55 TO STA. 109+70

SHARED USE PATH PROFILE

VPI STA. 611+87.17
ELEVATION 744.67

VPI STA. 613+87.10
ELEVATION 744.08

+0.58% -0.68% +0.68% +0.86% -0.86% -0.43% -0.43%

EXISTING PGL
PROPOSED PGL
EX EL
PR EL

VPI+37.09
743.65

VPI+38.47

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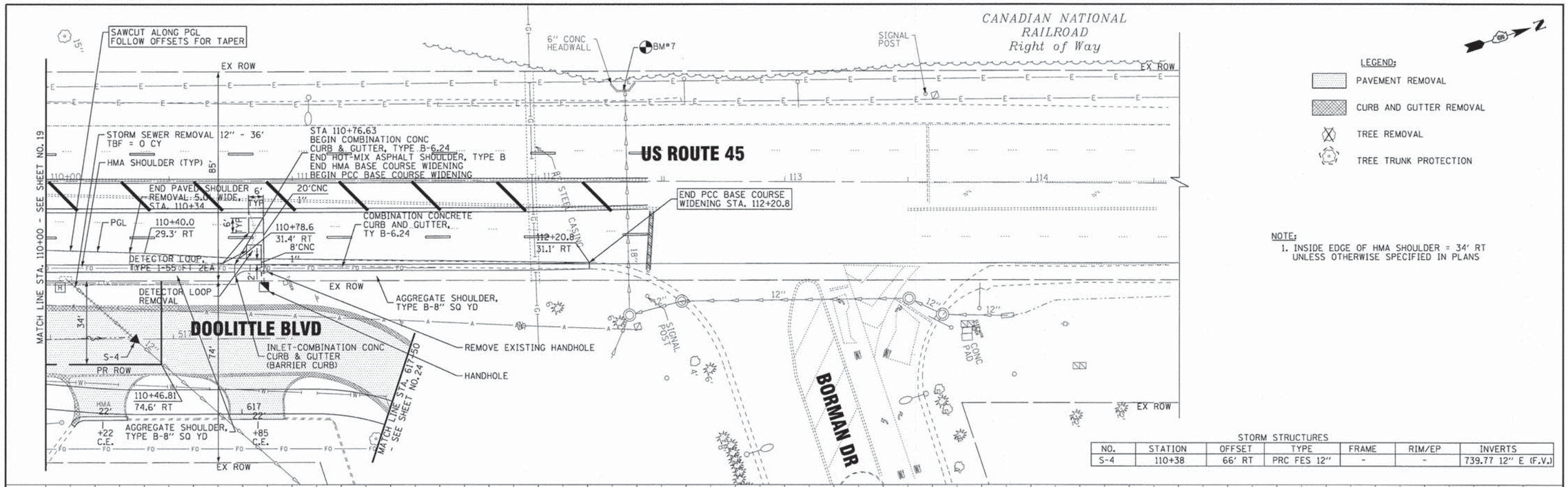
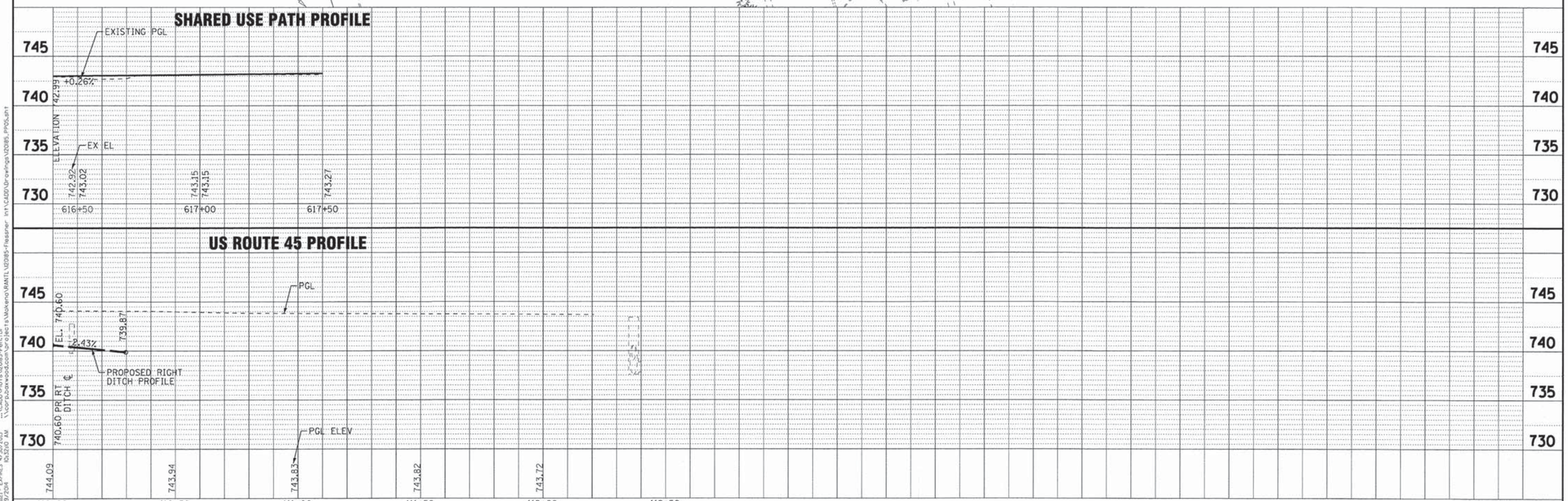


STORM STRUCTURES

NO.	STATION	OFFSET	TYPE	FRAME	RIM/EP	INVERTS
S-4	110+38	66' RT	PRC FES 12"	-	-	739.77 12" E (F.V.)



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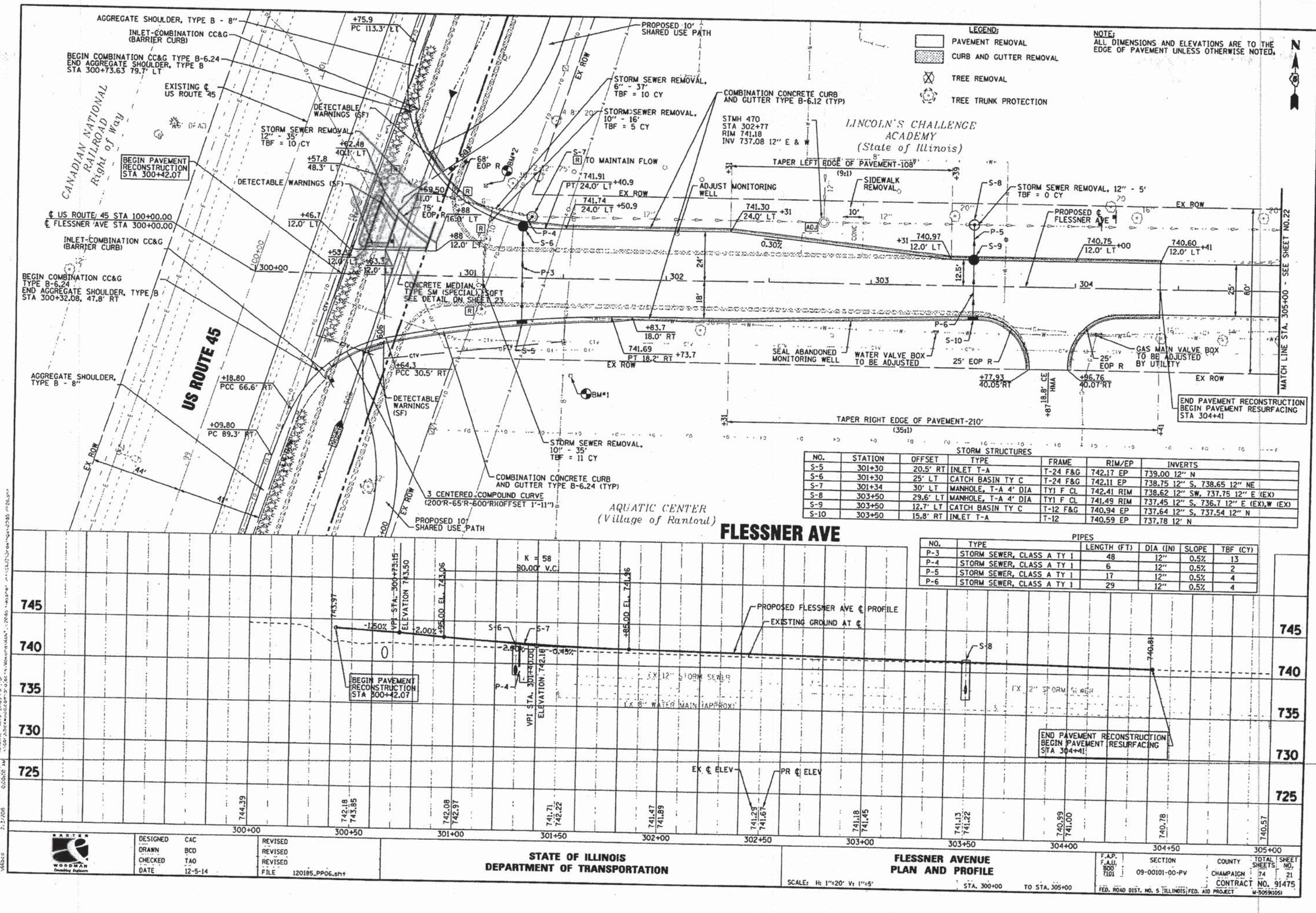
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 45
PLAN AND PROFILE

SCALE: H: 1"=20' V: 1"=5' | STA. 110+00 | TO STA.112+50

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600 7101	09-00101-00-PV	CHAMPAIGN	74	20
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		



STORM STRUCTURES

NO.	STATION	OFFSET	TYPE	FRAME	RIM/EP	INVERTS
S-5	301+30	20.5' RT	INLET T-A	T-24 F&G	742.17 EP	739.00 12" N
S-6	301+30	25' LT	CATCH BASIN TY C	T-24 F&G	742.11 EP	738.75 12" S, 738.65 12" NE
S-7	301+34	30' LT	MANHOLE, T-A 4' DIA	TY1 F CL	742.41 RIM	738.62 12" SW, 737.75 12" E (EX)
S-8	303+50	29.6' LT	MANHOLE, T-A 4' DIA	TY1 F CL	741.49 RIM	737.45 12" S, 736.7 12" E (EX),W (EX)
S-9	303+50	12.7' LT	CATCH BASIN TY C	T-12 F&G	740.94 EP	737.64 12" S, 737.54 12" N
S-10	303+50	15.8' RT	INLET T-A	T-12	740.59 EP	737.78 12' N

PIPES

NO.	TYPE	LENGTH (FT)	DIA (IN)	SLOPE	TBF (CY)
P-3	STORM SEWER, CLASS A TY 1	48	12"	0.5%	13
P-4	STORM SEWER, CLASS A TY 1	6	12"	0.5%	2
P-5	STORM SEWER, CLASS A TY 1	17	12"	0.5%	4
P-6	STORM SEWER, CLASS A TY 1	29	12"	0.5%	4

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DATE	12-5-14	FILE 120185_PP06.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FLESSNER AVENUE
PLAN AND PROFILE

SCALE: H: 1"=20' V: 1"=5'

STA. 300+00 TO STA. 305+00

F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 8001101	09-00101-00-PV	CHAMPAIGN	74	21

CONTRACT NO. 91475

FED. ROAD DIST. NO. 5 | ILLINOIS | FED. AID PROJECT M-5059(105)

LEGEND:
HMA SURFACE REMOVAL - BUTT JOINT

NOTE:
ALL DIMENSIONS AND ELEVATIONS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

LINCOLN'S CHALLENGE ACADEMY (State of Illinois)

CURB AND GUTTER REMOVAL AND REPLACEMENT

MATCH LINE STA. 305+00 - SEE SHEET NO. 21

MATCH LINE STA. 311+00 - SEE SHEET NO. 23

ADJ TY 11 F&G, OL

ADJ TY 9 F&G, OL

ADJ TY 12 F&G, OL

ADJ TY 10 F&G, OL

ADJ TY 10 F&G, OL

ADJ TY 9 F&G, OL

ADJ TY 10 F&G, OL

EX ROW

PROPOSED ℄ FLESSNER AVE

HOT-MIX ASPHALT SURFACE REMOVAL, BUTT JOINT (TYP.)

BM=3

AQUATIC CENTER (Village of Rantoul)

FLESSNER AVE

EX 12" STORM SEWER

EX 18" STORM SEWER

EX 8" WATER MAIN (APPROX.)

EXISTING & PROPOSED ℄ PROFILE

EX ℄ ELEV

305+00	305+50	306+00	306+50	307+00	307+50	308+00	308+50	309+00	309+50	310+00	310+50	311+00
740.57	740.36	740.05	739.73	739.40	739.05	738.68	738.27	737.90	737.50	737.19	737.26	737.35

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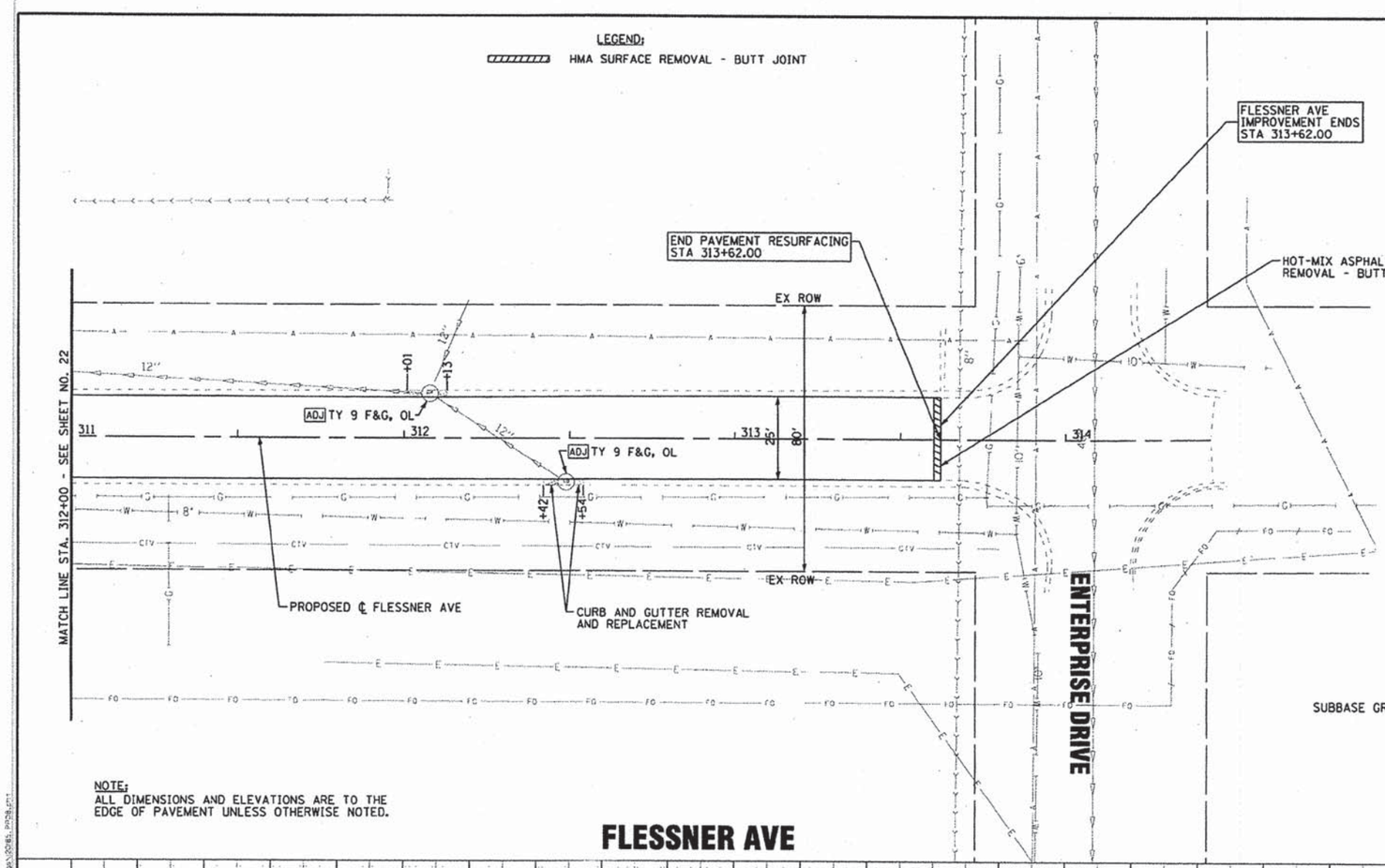
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FLESSNER AVENUE
PLAN AND PROFILE

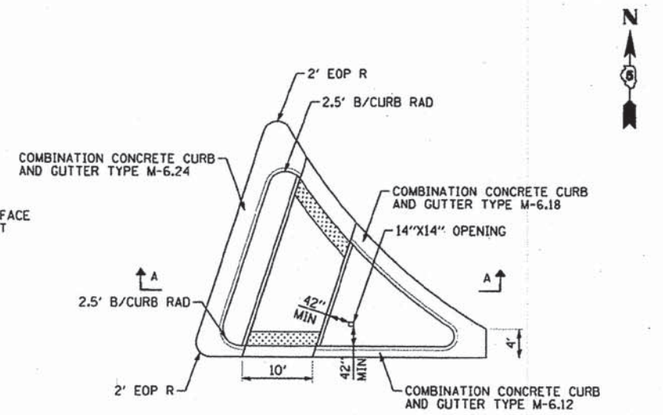
SCALE: H: 1"=20' V: 1"=5' | STA. 305+00 | TO STA. 311+00

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	22
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT	M-5059(105)	

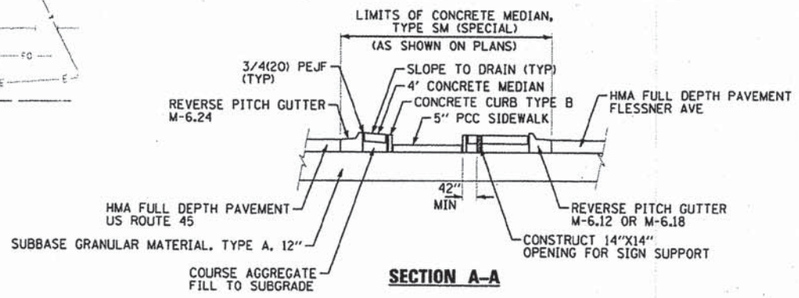
LEGEND:
HMA SURFACE REMOVAL - BUTT JOINT



NOTE:
ALL DIMENSIONS AND ELEVATIONS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.



PLAN OF CONCRETE MEDIAN, TYPE SM (SPECIAL)

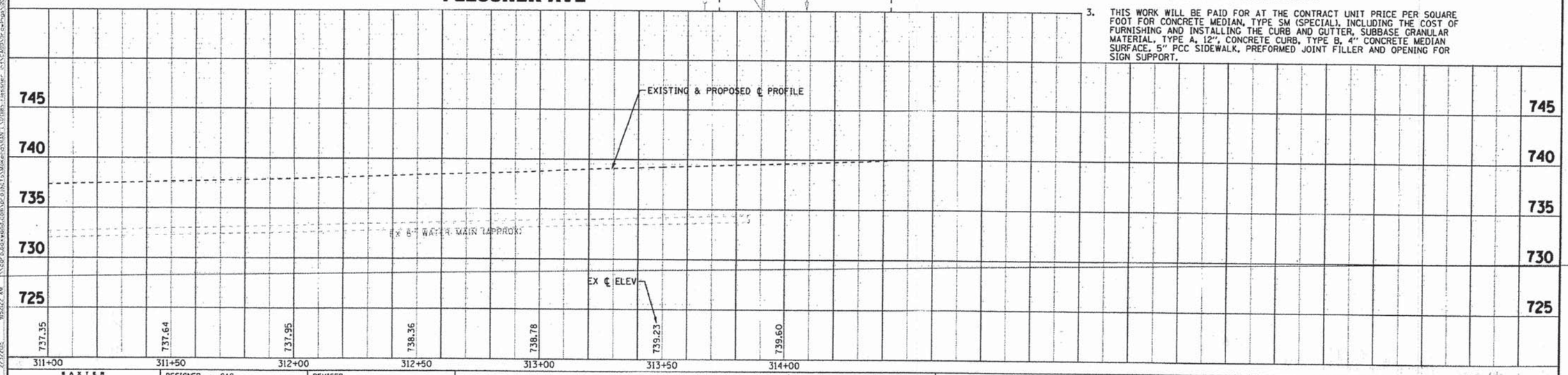


SECTION A-A

NOTES:

1. MEDIAN LAYOUT AND RADII SHALL BE AS SHOWN ON THE PLANS
2. 3/4(20) PREFORMED JOINT FILLER CONFORMING TO THE FULL CROSS SECTION OF THE CURB, GUTTER AND MEDIAN SURFACE.
3. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR CONCRETE MEDIAN, TYPE SM (SPECIAL), INCLUDING THE COST OF FURNISHING AND INSTALLING THE CURB AND GUTTER, SUBBASE GRANULAR MATERIAL, TYPE A, 12", CONCRETE CURB, TYPE B, 4" CONCRETE MEDIAN SURFACE, 5" PCC SIDEWALK, PREFORMED JOINT FILLER AND OPENING FOR SIGN SUPPORT.

FLESSNER AVE



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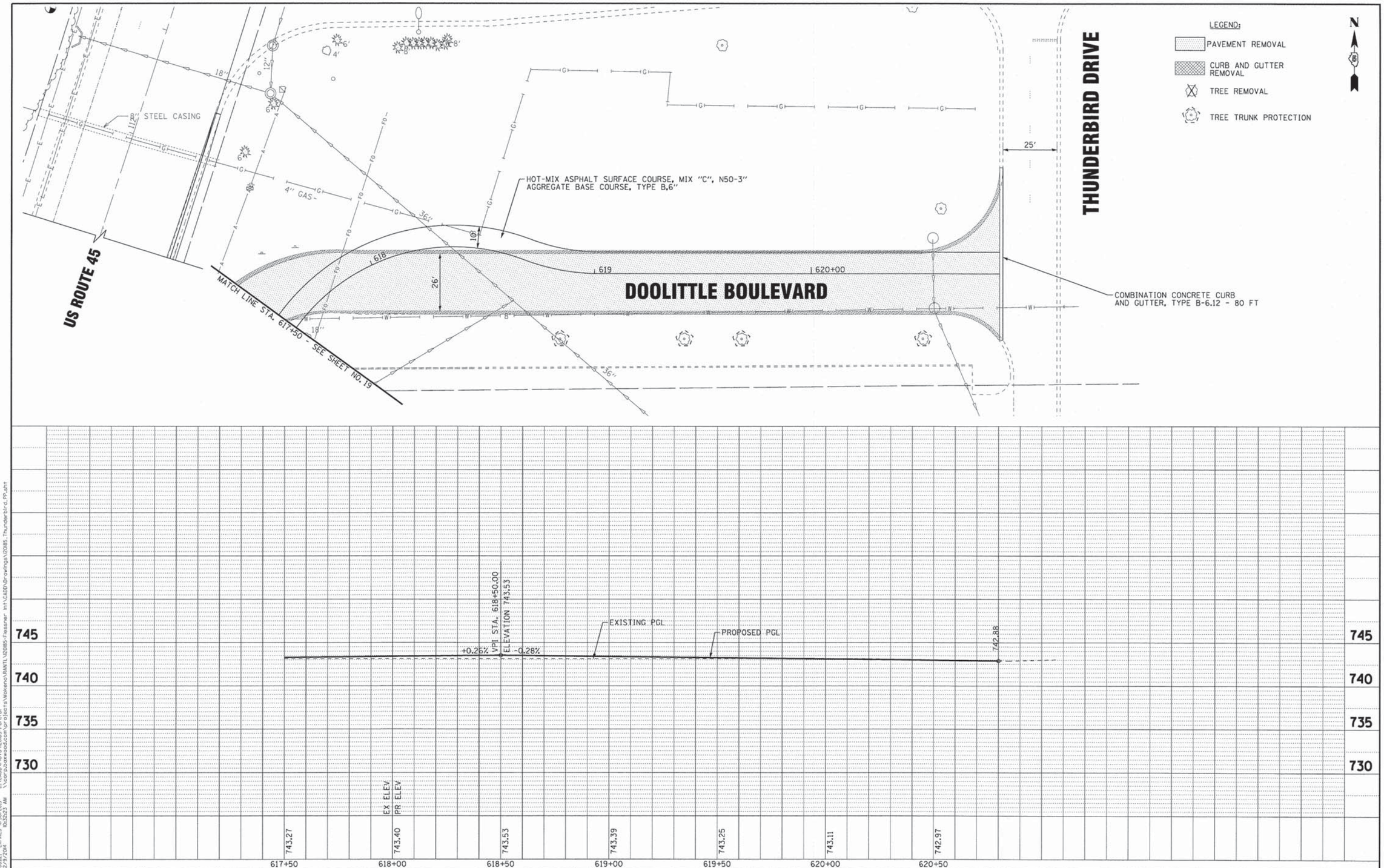
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FLESSNER AVENUE
PLAN AND PROFILE

SCALE: H: 1"=20' V: 1"=5' STA. 311+00 TO STA. 314+00

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 (101)	09-00101-00-PV	CchampaIGN	74	23
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT	M-5059(105)	



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DESIGNED - CAC	REVISED -
DRAWN - UKB	REVISED -
CHECKED - TAO	REVISED -
DATE - 12-5-14	FILE - 120185_Thunderbird_PP.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHARED USE PATH /DOOLITTLE BLVD
PLAN AND PROFILE

SCALE: H: 1"=20' V: 1"=5' | STA. | TO STA.

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	24
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		

MAINTENANCE SCHEDULE

1. SILT FENCE - AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL SILT FENCE WEEKLY OR AFTER EACH ONE-HALF INCH OR GREATER RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR TO KEEP THE SILT FENCE FUNCTIONAL AS DESIGNED.
2. HEAVY DUTY EROSION BLANKET - AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL EROSION BLANKET WEEKLY OR AFTER EACH ONE-HALF INCH OR GREATER RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR TO KEEP THE HEAVY DUTY EROSION BLANKET FUNCTIONAL AS DESIGNED.
3. TEMPORARY DITCH CHECKS - AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL TEMPORARY DITCH CHECKS WEEKLY OR AFTER EACH ONE-HALF INCH OR GREATER RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR TO KEEP THE DITCH CHECK FUNCTIONAL AS DESIGNED.
4. THE EROSION CONTROL QUANTITIES PROVIDED IN THE PLANS ARE APPROXIMATE. THE ACTUAL NEED FOR QUANTITIES WILL BE DETERMINED IN THE FIELD BY THE ENGINEER AT THE TIME OF CONSTRUCTION.

GENERAL SOIL EROSION AND SEDIMENT CONTROL NOTES

1. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
2. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.
3. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 7 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE, OR DEDISTURBANCE.
4. AREAS OR EMBANKMENTS HAVING SLOPES GREATER THAN OR EQUAL TO 3H:1V, AND APPROVED BY THE ENFORCEMENT OFFICER, SHALL BE STABILIZED WITH SOD, MAT OR BLANKET IN COMBINATION WITH SEEDING.
5. ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.
6. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.
7. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PROPERTY OWNER SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.
8. A STABILIZED MAT OF AGGREGRATE UNDERLAIN WITH FILTER CLOTH (OR OTHER APPROPRIATE MEASURE) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA. ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT -OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
9. SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD PRONE AREA, OVERLAND FLOW ROUTES, OR A DESIGNATED BUFFER PROTECTING WETLANDS OR STREAMS.
10. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (e.g. SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE).
11. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.

ADDITIONAL SOIL EROSION AND SEDIMENT CONTROL NOTES

1. CONTRACTOR SHALL COMPLY WITH OSHA WORK AND SAFETY RULES.
2. CONTRACTOR SHALL IDENTIFY ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CALL JULIE (800-892-0123) A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL ARRANGE A PRE-CONSTRUCTION MEETING WITH SOIL AND WATER CONSERVATION DISTRICT AND OTHER INTERESTED REGULATORY AGENCIES AND OFFICIALS PRIOR TO CONSTRUCTION.
4. CONTRACTORS SHALL INSTALL SOIL EROSION AND SEDIMENT CONTROLS IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
5. ALL EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND WITHIN 24 HOURS AFTER EACH RAIN EVENT RESULTING IN RUNOFF FROM THE SITE.
6. THE SIDE SLOPES MUST BE RESEEDED AND STABILIZED IMMEDIATELY AFTER FINAL GRADING WITH AN APPROPRIATE EROSION CONTROL BLANKET PRIOR TO ACCEPTING FLOWS. THE BOTTOM OF THE CHANNEL MUST BE BROUGHT BACK TO ITS ORIGNAL GRADE AND STABLE ENOUGH TO ACCEPT FLOWS.
7. STOCKPILES OF SOIL AND OTHER BUILDING MATERIALS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
8. IF CONCRETE IS REQUIRED FOR WORK, CONCRETE WASHOUT FACILITIES SHALL BE INSTALLED, OPERATED AND MAINTAINED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
9. ALL ADJACENT ROADWAYS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY AND CLEANED WHEN NECESSARY.
10. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN AND STORMWATER POLLUTION PREVENTION PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
11. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE OWNER OR APPLICABLE REGULATORY AGENCY.
12. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND ALL PERMITS.
13. FINAL ACCEPTANCE OF PROJECT WILL BE CONTIGENT ON RECORD DRAWING APPROVAL BY THE ENGINEER.

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BAXTER & WOODMAN Consulting Engineers

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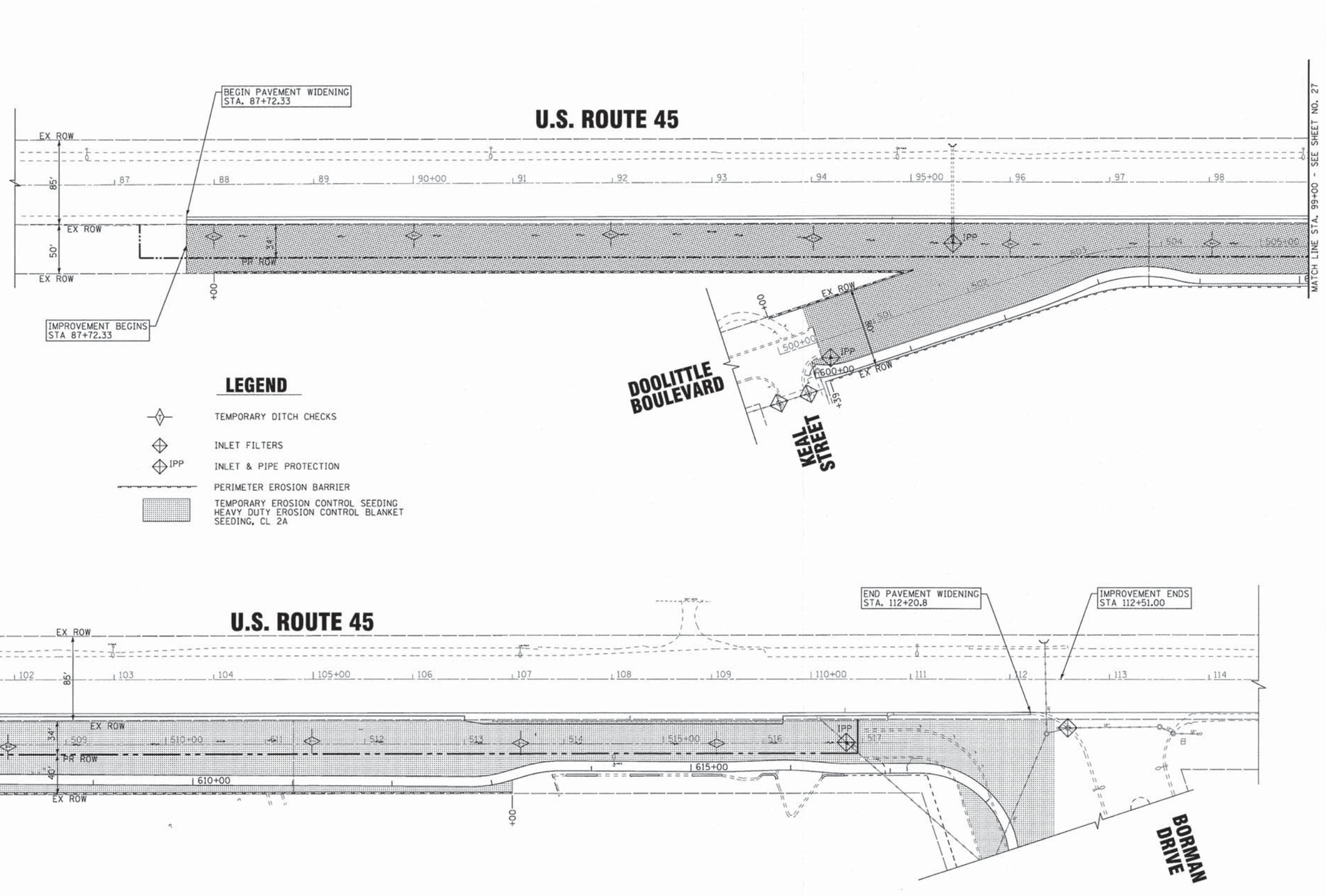
DATE - 12-5-14	FILE - 120185_ErosCnts.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL GENERAL NOTES

SCALE: NONE | STA. | TO STA.

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	25
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT	M-5059(105)	



SEE SHEET 24 FOR GENERAL EROSION AND SEDIMENT CONTROL NOTES

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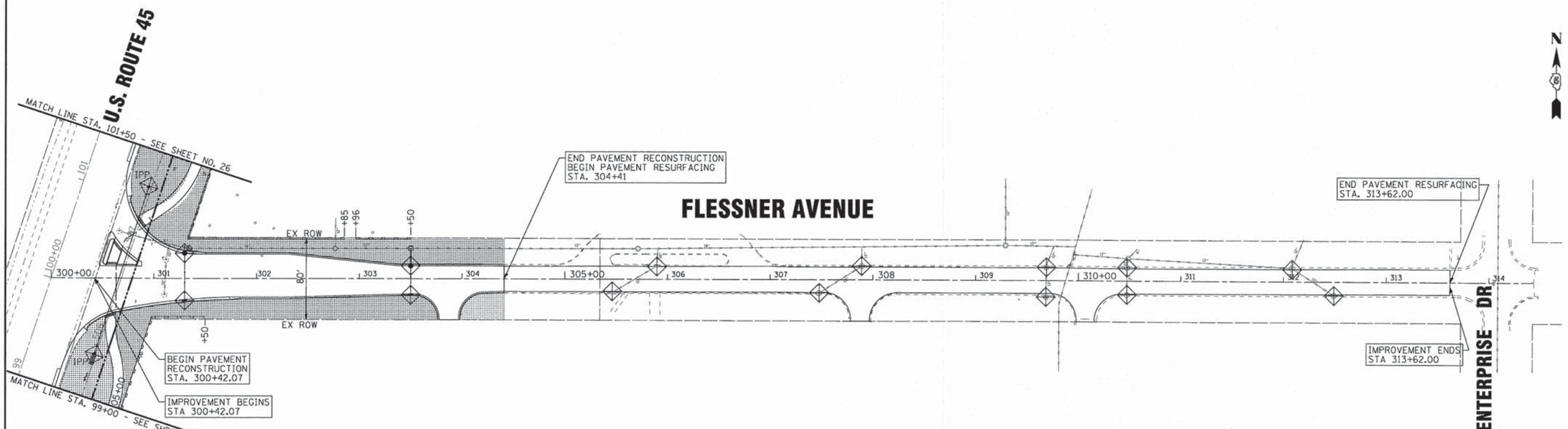
DESIGNED - CAC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL
DRAWN - BCD	REVISED -		
CHECKED - TAO	REVISED -		SCALE: 1"=50' STA. TO STA.
DATE - 12-5-14	FILE - 120185_ECO1.sht		

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	26
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT	M-5059(105)	



LEGEND

- TEMPORARY DITCH CHECKS
- INLET FILTERS
- IPP — INLET & PIPE PROTECTION
- PERIMETER EROSION BARRIER
- TEMPORARY EROSION CONTROL SEEDING
  HEAVY DUTY EROSION CONTROL BLANKET
  SEEDING, CL 2A

SEE SHEET 24 FOR GENERAL EROSION AND SEDIMENT CONTROL NOTES

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LICENSE NO. - 184-001211 EXPIRES 4/30/2013
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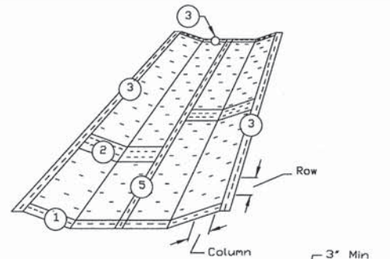
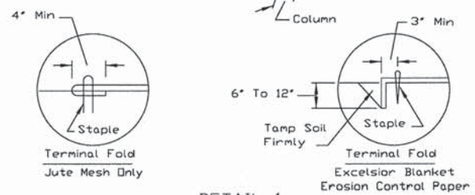
DRAWN - BCD	REVISED -			
CHECKED - TAO	REVISED -			
DATE - 12-5-14	FILE - 120185_EC02.sht		SCALE: 1"=50'	STA. TO STA.

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	27
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT	M-5059(105)	

EROSION BLANKET PLAN





DETAIL 1

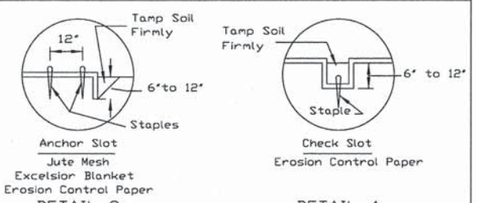
DETAIL 2

REFERENCE
Project
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

NRCS Natural Resources Conservation Service

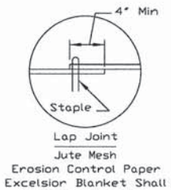
STANDARD DWG. NO.
IL-530
SHEET 1 OF 2
DATE 5-24-94

EROSION BLANKET PLAN

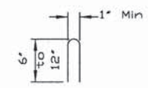


DETAIL 3

DETAIL 4



DETAIL 5



STAPLE DETAIL

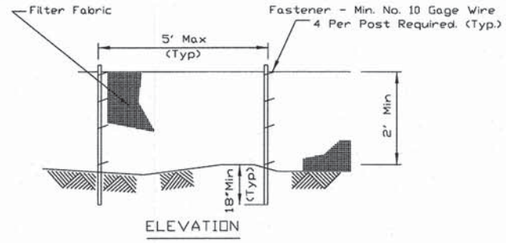
NOTES:
1. On erosion control paper, check slots, in ditch channel shall be spaced so that one occurs within each 50' on slopes of more than 4% and less than 6%. On slopes of 6% or more, they shall be spaced so that one occurs within each 25'.
2. Staples are to be placed alternately, in columns approximately 2' apart and in rows approximately 3' apart. Approximately 175 staples are required per 4'x 225' roll of material and 125 staples are required per 4'x 150' roll of material.
3. Erosion control material shall be placed loosely over ground surface. Do not stretch.
4. All terminal ends and transverse laps shall be stapled at approximately 12" intervals.

REFERENCE
Project
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

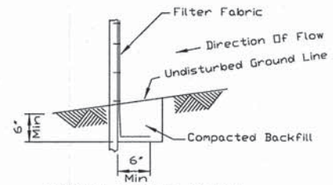
NRCS Natural Resources Conservation Service

STANDARD DWG. NO.
IL-530
SHEET 2 OF 2
DATE 3-1-95

SILT FENCE PLAN



ELEVATION



FABRIC ANCHOR DETAIL

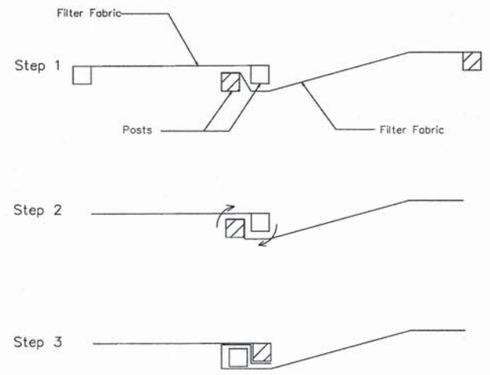
NOTES:
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 50 for woven.
3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE
Project
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

NRCS Natural Resources Conservation Service

STANDARD DWG. NO.
IL-620
SHEET 1 OF 2
DATE 11-20-01

SILT FENCE



ATTACHING TWO SILT FENCES

NOTES:
1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Drive both posts a minimum of 18 inches into the ground and bury the flap.

REFERENCE
Project
Designed _____ Date _____
Checked _____ Date _____
Approved _____ Date _____

NRCS Natural Resources Conservation Service

STANDARD DWG. NO.
IL-620(W)
SHEET 2 OF 2
DATE 1-29-99

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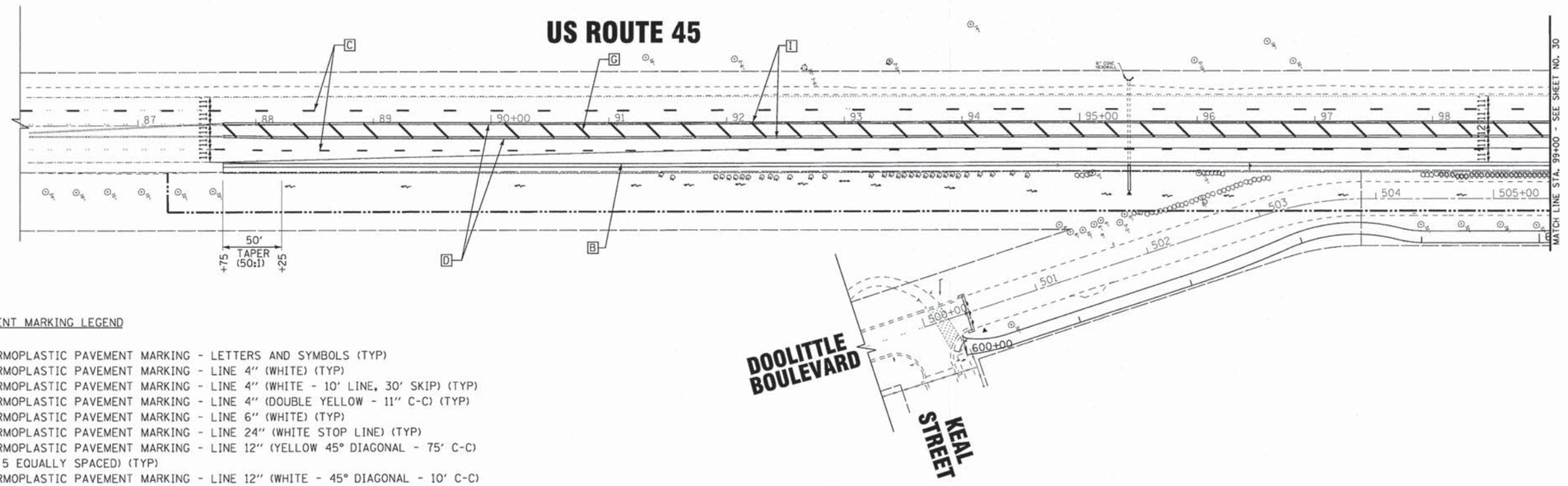
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION AND SEDIMENT CONTROL DETAILS

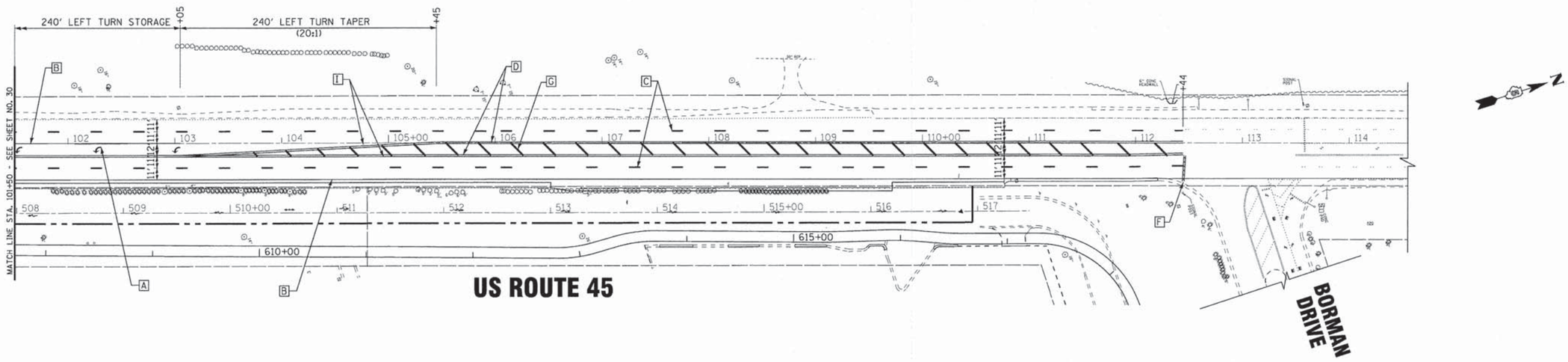
SCALE: NONE | STA. | TO STA.

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ROD 7101	09-00101-00-PV	CHAMPAIGN	74	28
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT	M-5059(105)	



PAVEMENT MARKING LEGEND

- [A] THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP)
- [B] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE) (TYP)
- [C] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE - 10' LINE, 30' SKIP) (TYP)
- [D] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW - 11" C-C) (TYP)
- [E] THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) (TYP)
- [F] THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE) (TYP)
- [G] THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONAL - 75' C-C) MIN 5 EQUALLY SPACED) (TYP)
- [H] THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE - 45° DIAGONAL - 10' C-C) MIN 5 EQUALLY SPACED) (TYP)
- [I] RAISED REFLECTIVE PAVEMENT MARKER (TWO - WAY AMBER MARKER, 40' O.C.) (TYP)



SEE SCHEDULE OF QUANTITY SHEETS FOR SIGN TYPES AND LOCATIONS

DESIGNED - CAC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND SIGNING PLAN US ROUTE 45
DRAWN - BCD	REVISED -		
CHECKED - TAO	REVISED -		SCALE: 1"=50' STA. TO STA.
DATE - 12-5-14	FILE - 120185_PM01.sht		

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	29
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT	M-5059(105)	

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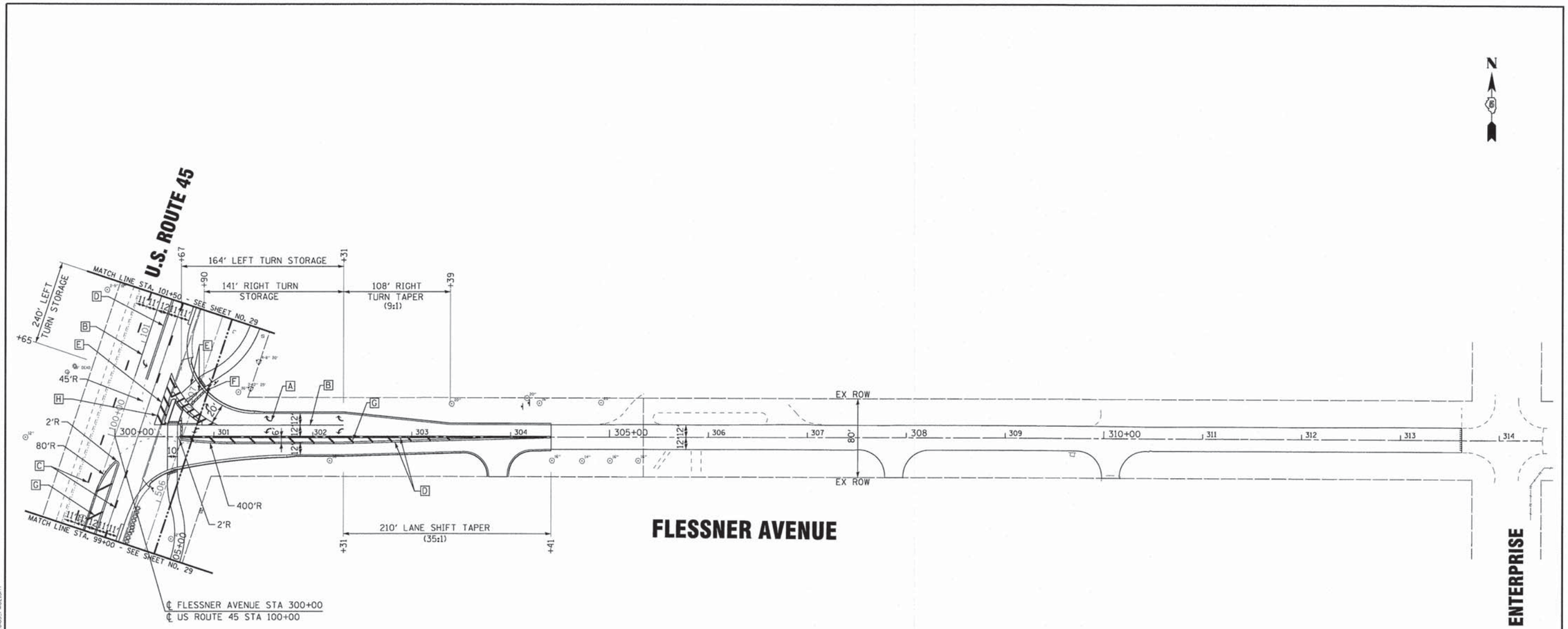

PAVEMENT MARKING LEGEND

- [A] THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP)
- [B] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE) (TYP)
- [C] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE - 10' LINE, 30' SKIP) (TYP)
- [D] THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW - 11" C-C) (TYP)
- [E] THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE) (TYP)
- [F] THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE) (TYP)
- [G] THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW 45° DIAGONAL - 75' C-C) MIN 5 EQUALLY SPACED) (TYP)
- [H] THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE - 45° DIAGONAL - 10' C-C) MIN 5 EQUALLY SPACED) (TYP)
- [I] RAISED REFLECTIVE PAVEMENT MARKER (TWO - WAY AMBER MARKER, 40' O.C.) (TYP)

SEE SCHEDULE OF QUANTITY SHEETS FOR SIGN TYPES AND LOCATIONS

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DESIGNED - CAC	REVISED -	**STATE OF ILLINOIS**	**PAVEMENT MARKING AND SIGNAGE PLAN**
DRAWN - BCD	REVISED -	**DEPARTMENT OF TRANSPORTATION**	**FLESSNER AVENUE**
CHECKED - TAO	REVISED -		SCALE: 1"=50' STA. TO STA.
DATE - 12-5-14	FILE - 120185_PM02.sht		

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600 7101	09-00101-00-PV	CHAMPAIGN	74	30
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT	M-5059(105)	

Reference Only

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. RTE. 800	X	CHAMPAIGN	92	62
STA.	TO STA.			
F.H.W.A. REG.	ILLINOIS	PROJECT		

X VILLAGE : 94-00078-00-PV
STATE : (30X-1) BR. 1
COUNTY : 94-20302-00-PV

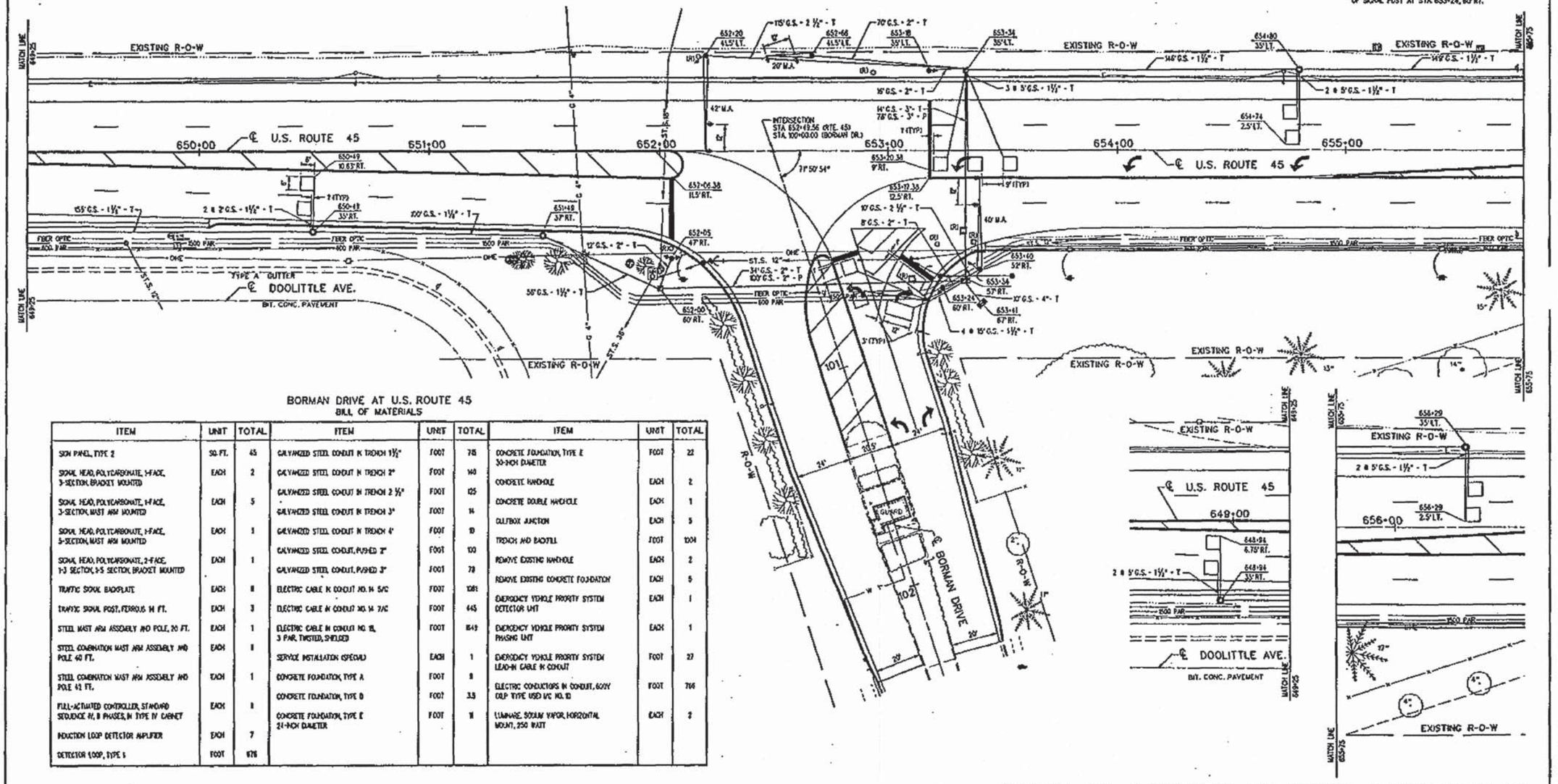
NOTE:
SEE SHEET 83 FOR ADDITIONAL TRAFFIC SIGNAL NOTES AND DETAILS.

EMERGENCY VEHICLE PRIORITY SYSTEM DETECTOR UNIT TO BE PLACED ON TOP OF SIGNAL POST AT STA. 653+24, 60' RT.

LEGEND

- PROP. COMB. MAST ARM ASSEMBLY & POLE, SIGNAL HEADS(3) & BACKPLATE(S)
- PROP. MAST ARM, SIGNAL HEADS(3) & BACKPLATE(S)
- PROP. POST & SIGNAL HEADS(3)
- PROP. CONTROLLER
- PROP. HANDHOLE
- PROP. DOUBLE HANDHOLE
- PROP. OUTBOX JUNCTION

SCALE: 1" = 20'



BORMAN DRIVE AT U.S. ROUTE 45
BILL OF MATERIALS

ITEM	UNIT	TOTAL	ITEM	UNIT	TOTAL	ITEM	UNIT	TOTAL
SIGN PANEL, TYPE 2	SQ. FT.	45	GALVANIZED STEEL CONDUIT IN TRENCH 1½"	FOOT	715	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	22
SIGNAL HEAD, POLYCARBONATE, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2	GALVANIZED STEEL CONDUIT IN TRENCH 2"	FOOT	140	CONCRETE HANDHOLE	EACH	2
SIGNAL HEAD, POLYCARBONATE, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	5	GALVANIZED STEEL CONDUIT IN TRENCH 2 ½"	FOOT	125	CONCRETE DOUBLE HANDHOLE	EACH	1
SIGNAL HEAD, POLYCARBONATE, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1	GALVANIZED STEEL CONDUIT IN TRENCH 3"	FOOT	14	OUTBOX JUNCTION	EACH	5
SIGNAL HEAD, POLYCARBONATE, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1	GALVANIZED STEEL CONDUIT IN TRENCH 4"	FOOT	10	TRENCH AND BACKFILL	FOOT	1004
TRAFFIC SIGNAL BACKPLATE	EACH	11	GALVANIZED STEEL CONDUIT, PUSHED 2"	FOOT	100	REMOVE EXISTING HANDHOLE	EACH	2
TRAFFIC SIGNAL POST, FERROUS 14 FT.	EACH	3	GALVANIZED STEEL CONDUIT, PUSHED 3"	FOOT	78	REMOVE EXISTING CONCRETE FOUNDATION	EACH	5
STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.	EACH	1	ELECTRIC CABLE IN CONDUIT NO. 14 5/C	FOOT	1081	EMERGENCY VEHICLE PRIORITY SYSTEM DETECTOR UNIT	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1	ELECTRIC CABLE IN CONDUIT NO. 14 7/C	FOOT	445	EMERGENCY VEHICLE PRIORITY SYSTEM PHASING UNIT	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 45 FT.	EACH	1	ELECTRIC CABLE IN CONDUIT NO. 18, 3 PAIR, TWISTED, SHIELDED	FOOT	849	EMERGENCY VEHICLE PRIORITY SYSTEM LEAD-IN CABLE IN CONDUIT	FOOT	27
FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE A, 8 PHASES, IN TYPE IV CABINET	EACH	1	SERVICE INSTALLATION (SPECIAL)	EACH	1	CONCRETE FOUNDATION, TYPE A	FOOT	8
INDUCTION LOOP DETECTOR AMPLIFIER	EACH	7	CONCRETE FOUNDATION, TYPE B	FOOT	33	ELECTRIC CONDUCTORS IN CONDUIT, 600V CUP TYPE USD I/C NO. 10	FOOT	705
DETECTOR LOOP, TYPE I	FOOT	976	CONCRETE FOUNDATION, TYPE E 24-INCH DIAMETER	FOOT	11	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	2

ROUTE 45 / BORMAN DR. SIGNAL LAYOUT PLAN

SHEET 62 OF 92 SHEETS 92100

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BAXTER & WOODMAN Consulting Engineers

DESIGNED	CAC	REVISED	-
DRAWN	BCD	REVISED	-
CHECKED	TAO	REVISED	-
DATE	12-5-14	FILE	120185-SIGNAL PLANS.sht

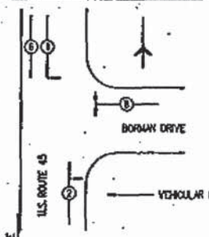
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45 AT BORMAN DRIVE
TRAFFIC SIGNAL PLANS – REFERENCE ONLY

SCALE: NONE | STA. | TO STA.

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	31
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT	M-5059(105)	

PHASE DESIGNATION DIAGRAM



NOTES

1. VEHICULAR AND PEDESTRIAN PHASES USED WILL BE DESIGNATED IN THE PHASE DESIGNATION DIAGRAM.
2. PHASES 1 & 5 OR 3 & 7 SHALL BE DISPLAYED TOGETHER WITH A CIRCULAR RED.
3. TERMINATION OF PHASES 1 & 5 OR 3 & 7 SHALL BE WITH A YELLOW ARROW DISPLAYED TOGETHER WITH A CIRCULAR RED.

   TERMINATION OF PHASE 1, 3, 5 OR 7 ALONE IN PHASES 1 & 6, 3 & 8, 2 & 5 OR 4 & 7 SHALL BE WITH A YELLOW ARROW DISPLAYED TOGETHER WITH A CIRCULAR GREEN.

   TERMINATION OF ALL OTHER PHASES SHALL BE WITH A CIRCULAR YELLOW.
4. PHASES 2 & 6 SHALL NOT CLEAR TO PHASES 1 & 5, 1 & 6 OR 2 & 5. PHASES 4 & 8 SHALL NOT CLEAR TO PHASES 3 & 7, 3 & 8 OR 4 & 7.
5. IN FLASHING MODE, ALL VEHICULAR SIGNAL FACES SHALL FLASH RED AND ALL PEDESTRIAN SIGNAL FACES SHALL BE DARK.

CONTROLLER SEQUENCE IV

PROPOSED OPERATION								
PHASE #	1	2	#3	#4	#5	6	#7	8
MOVEMENT								
CONCURRENT MOVEMENT PERMITTED	5 or 6	5 or 6	7 or 8	7 or 8	1 or 2	1 or 2	3 or 4	3 or 4

NOT USED

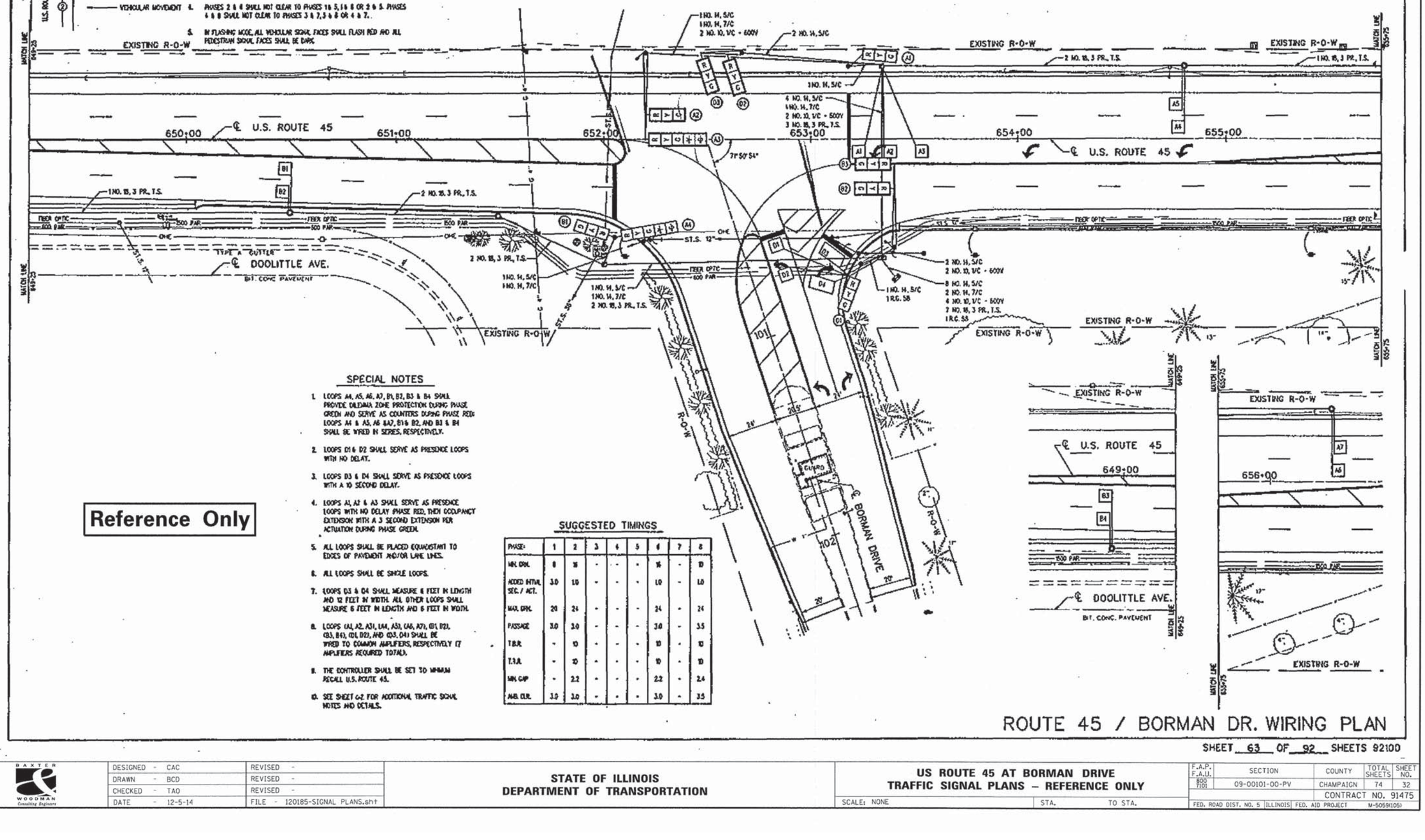
LEGEND

- PROP. CONC. MAST ARM ASSEMBLY & POLE, SIGNAL FACE(S) & BACKPLATES
- PROP. MAST ARM, SIGNAL FACE(S) & BACKPLATES
- PROP. POST & SIGNAL FACE(S)
- PROP. CONTROLLER
- PROP. HANDHOLE
- PROP. DOUBLE HANDHOLE
- PROP. CULVERT JUNCTION

SCALE: 1" = 20'

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. RTE. 800	X	CHAMPAIGN	92	63
STA.	TO STA.			
F.A.P. RTE. NO.	ILLINOIS	PROJECT		

X VILLAGE : 194-00078-00-PV
STATE : 130X-1) BR. 1
COUNTY : 194-20362-00-PV



SPECIAL NOTES

1. LOOPS A4, A5, A6, A7, B1, B2, B3 & B4 SHALL PROVIDE DILEMMA ZONE PROTECTION DURING PHASE GREEN AND SERVE AS COUNTERS DURING PHASE RED. LOOPS A4 & A5, A6 &A7, B1& B2, AND B3 & B4 SHALL BE WIRED IN SERIES, RESPECTIVELY.
2. LOOPS D1 & D2 SHALL SERVE AS PRESENCE LOOPS WITH NO DELAY.
3. LOOPS D3 & D4 SHALL SERVE AS PRESENCE LOOPS WITH A 10 SECOND DELAY.
4. LOOPS A1, A2 & A3 SHALL SERVE AS PRESENCE LOOPS WITH NO DELAY (PHASE RED), THEN OCCUPANCY EXTENSION WITH A 3 SECOND EXTENSION PER ACTUATION DURING PHASE GREEN.
5. ALL LOOPS SHALL BE PLACED EQUIDISTANT TO EDGES OF PAVEMENT AND/OR LANE LINES.
6. ALL LOOPS SHALL BE SINGLE LOOPS.
7. LOOPS D3 & D4 SHALL MEASURE 6 FEET IN LENGTH AND 12 FEET IN WIDTH. ALL OTHER LOOPS SHALL MEASURE 6 FEET IN LENGTH AND 6 FEET IN WIDTH.
8. LOOPS (A1, A2, A3), (A4, A5), (A6, A7), (B1, B2), (B3, B4), (D1, D2), AND (D3, D4) SHALL BE WIRED TO COMMON AMPLIFIERS, RESPECTIVELY (7 AMPLIFIERS REQUIRED TOTAL).
9. THE CONTROLLER SHALL BE SET TO MINIMUM RECALL U.S. ROUTE 45.
10. SEE SHEET 6-2 FOR ADDITIONAL TRAFFIC SIGNAL NOTES AND DETAILS.

SUGGESTED TIMINGS

PHASE:	1	2	3	4	5	6	7	8
MIN. GRN.	8	16	-	-	-	16	-	10
ADDED INITIAL SEC. / ACT.	3.0	1.0	-	-	-	1.0	-	1.0
MAX. GRN.	20	24	-	-	-	24	-	24
PASSAGE	3.0	3.0	-	-	-	3.0	-	3.5
T.B.R.	-	10	-	-	-	10	-	10
T.T.A.	-	10	-	-	-	10	-	10
MIN. GAP	-	2.2	-	-	-	2.2	-	2.4
AVG. CLR.	3.0	3.0	-	-	-	3.0	-	3.5

Reference Only

ROUTE 45 / BORMAN DR. WIRING PLAN

SHEET 63 OF 92 SHEETS 92100

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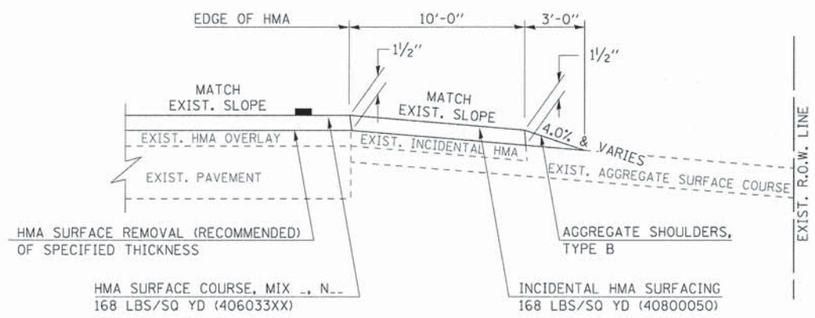
DESIGNED - CAC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US ROUTE 45 AT BORMAN DRIVE TRAFFIC SIGNAL PLANS – REFERENCE ONLY
DRAWN - BCD	REVISED -		
CHECKED - TAO	REVISED -		
DATE - 12-5-14	FILE - 120185-SIGNAL PLANS.sht		SCALE: NONE STA. TO STA.

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 (101)	09-00101-00-PV	CHAMPAIGN	74	32
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT	M-5059(105)	

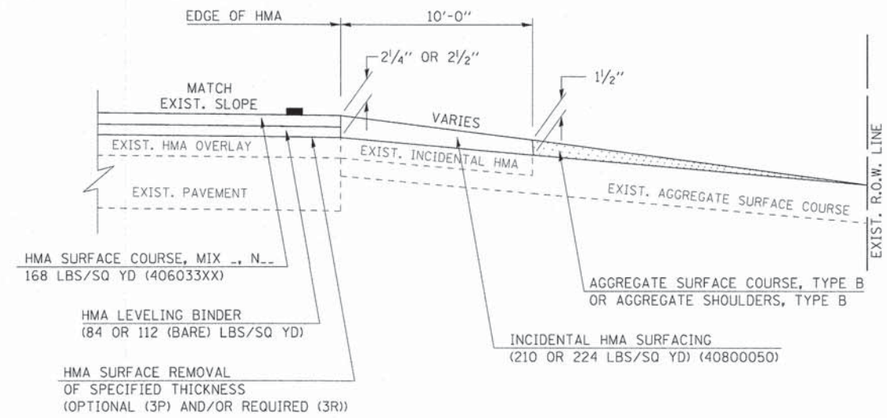
PROJECTS WITHOUT RECONSTRUCTION

S.M.A.R.T. IMPROVEMENTS
(POLICY RESURFACING; BDE 53-4.03; 1½")

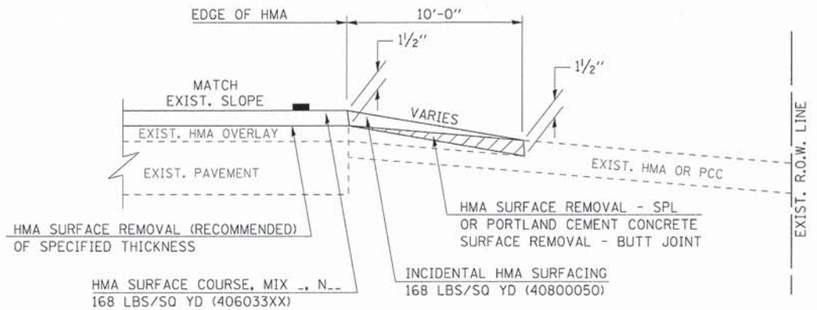


EXISTING AGGREGATE ENTRANCE

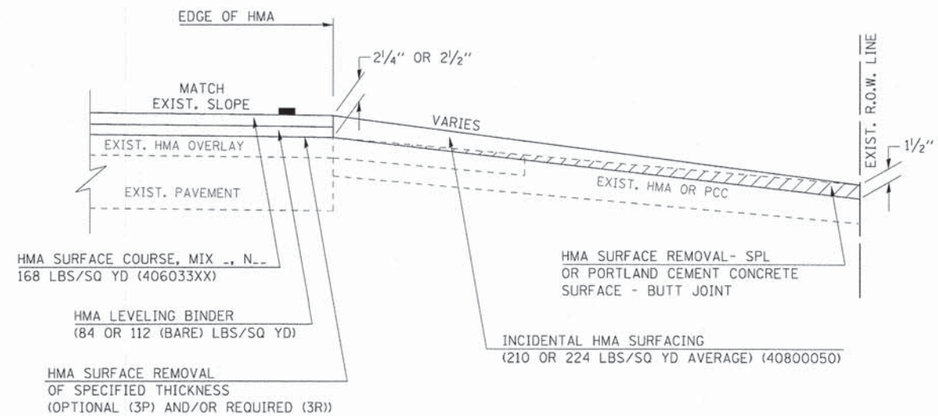
"3P" OR "3R" IMPROVEMENTS
(POLICY RESURFACING; BDE 53-4.02; 2¼" OR 2½" ON BARE CONCRETE)



EXISTING AGGREGATE ENTRANCE



EXISTING HMA OR PCC ENTRANCE



EXISTING HMA OR PCC ENTRANCE

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

DISTRICT 5 DETAIL NO. 40800050C

FILE NAME = \\corp.baxwood.com\projects\Makena\RANTL\120185-Flessner Int\CADD\Drawings\120185-05-DRAWN40800050C.dgn	USER NAME = 566bcd	DESIGNED -	REVISED - 12/08/06 TJB	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**PRIVATE AND COMMERCIAL ENTRANCES (NONCOMMERCIAL AND COMMERCIAL RURAL)**
	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED - 09/21/07 KAG		SCALE: NA / SHEET NO. 1 OF 2 SHEETS / STA. / TO STA.
	PLOT DATE = 12/9/2014	DATE -	REVISED - 05/02/08 KJT		
			REVISED - 04/23/10 KJT		

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	33

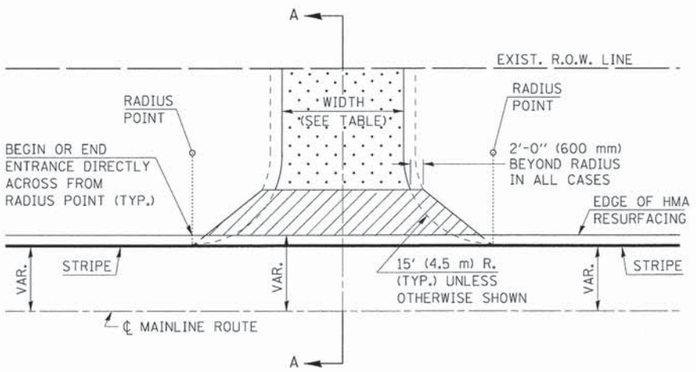
CONTRACT NO. 91475

FED. ROAD DIST. NO. 5 | ILLINOIS | FED. AID PROJECT M-5059(105)

PROJECTS WITH RECONSTRUCTION

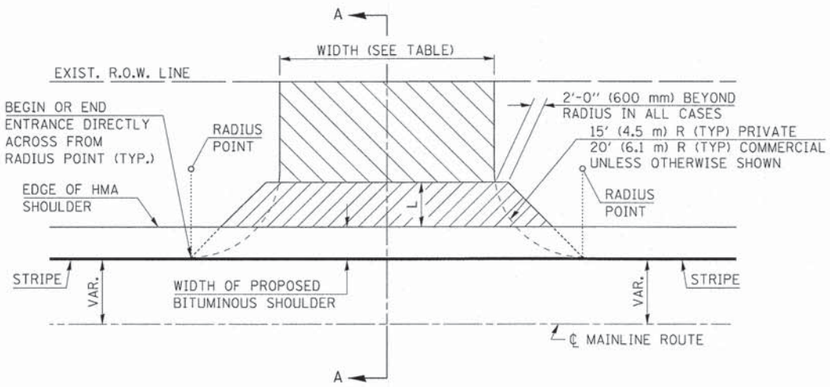
(3R IMPROVEMENTS)

AGGREGATE ENTRANCE

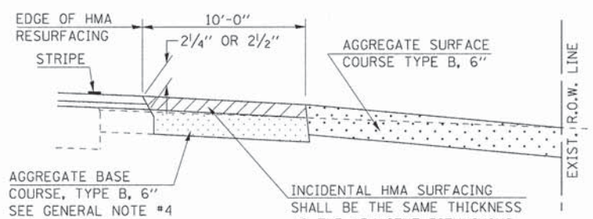


TYPICAL APPLICATION

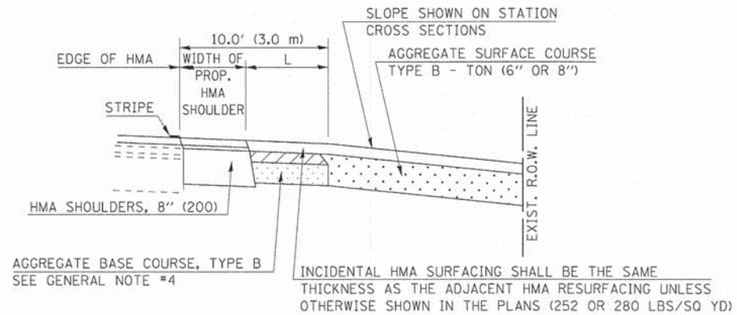
HMA OR PCC ENTRANCE



TYPICAL APPLICATION



SECTION A-A



SECTION A-A
"HMA EXAMPLE"

RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)

	NEW CONSTRUCTION & 3R with RECONSTRUCTION								3R w/out RECONSTRUCTION, 3P, SMART & CM					
	NONCOMMERCIAL								NONCOMMERCIAL					
	PRIVATE & FIELD			FIELD W/ FARM IMPLEMENTS		COMMERCIAL			PRIVATE & FIELD			COMMERCIAL		
DESIGN ELEMENT	min.	des.	max.	min.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.
SURFACE WIDTH (FT)	12	16	24	24	30	1 LANE, 1 WAY 14	16	24				1 LANE, 1 WAY		
						2 LANE, 2 WAY 24	30	35				2 LANE, 2 WAY		
RADIUS (FT)	15	25	40	30		20	30	50	resurface existing configuration; existing hma or pcc entrances shall have "butt joints" constructed; existing aggregate or earth entrances shall have the continuation of aggregate shoulders placed behind them					
SHOULDER WIDTH (FT)	2	2		2		1	3							
SHOULDER SLOPE (%)	2	4	6	4		2	4	6						
ENTRANCE GRADE (%)	0	2 to 5	10 or 12	2 to 5	10 or 12	0	2 to 5	8 or 10						
SIDE SLOPE (FT)	1:10	1:6	1:4	1:6	1:4	1:10	1:6	1:4						
SURFACE TYPE														
INCIDENTAL HMA SURFACING (INCH)		2		2		3 or 4			taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" for "butt joints" and to minimize aggregate shoulder					
AGGREGATE SURFACE COURSE, TYPE B (INCH)		6		6		8			if applicable use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02					
PCC DRIVEWAY PAVEMENT (INCH)		6						6 or 8						

GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. ANY NECESSARY WORK BEHIND THE HMA SHOULDER OR THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE AGGREGATE SURFACE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE SURFACE COURSE.
4. AGGREGATE BASE COURSE, TYPE B, 6" (150 mm) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 12" (300 mm) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
6. EXISTING FIELD ENTRANCES OF AGGREGATE OR EARTH WITH NO HMA APRON SHALL NOT RECEIVE A NEW HMA APRON WITHOUT PROPER APPROVAL THROUGH THE BUREAU OF OPERATIONS "POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS".
7. TO ASSURE APPROPRIATE ACCESS POLICIES ARE FOLLOWED ALL NEW ACCESS SHALL BE APPLIED FOR THROUGH THE BUREAU OF OPERATIONS PERMIT APPLICATION PROCESS. PLAN PREPARATION MEMORANDUMS 40-09 AND 40-11 ALONG WITH DISTRICT CONSTRUCTION MEMORANDUM 03/14 DISCUSS THIS PROCEDURE.

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

DISTRICT 5 DETAIL NO. 40800050C

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			REVISED - 09/21/07 KAG
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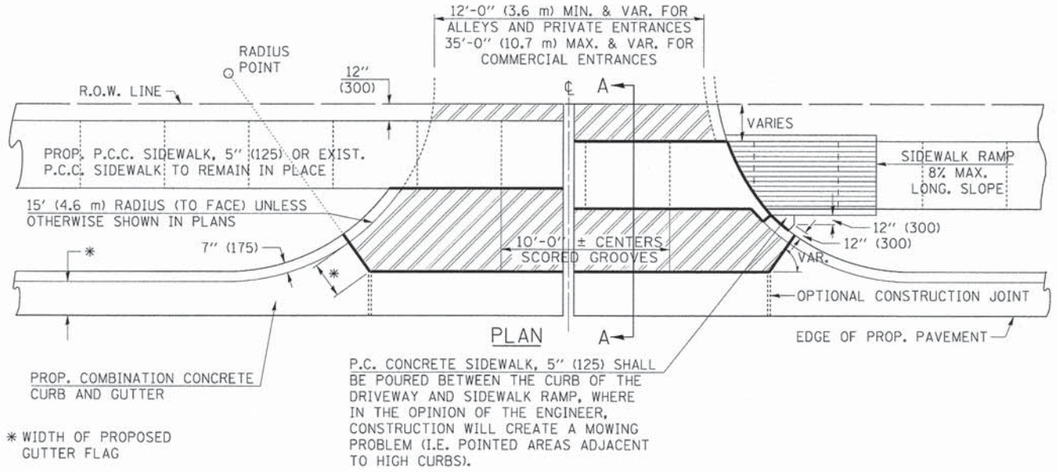
	PLOT DATE = 12/9/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRIVATE AND COMMERCIAL ENTRANCES
(NONCOMMERCIAL AND COMMERCIAL RURAL)

SCALE: NA | SHEET NO. 2 OF 2 SHEETS | STA. | TO STA.

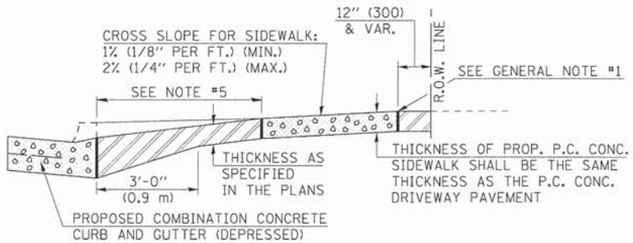
F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	34
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		



* WIDTH OF PROPOSED GUTTER FLAG

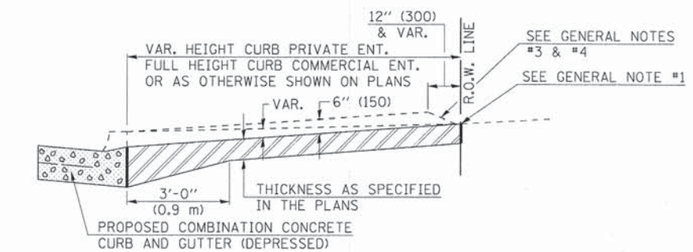
NOTE: SIDEWALK RAMPS SHALL BE CONSTRUCTED AT COMMERCIAL ENTRANCES. AT PRIVATE ENTRANCES RAMPS SHALL USUALLY BE NEEDED WHERE NARROW BOULEVARDS OR RADII GREATER THAN 15' (4.6 m) ARE CONSTRUCTED. THE BACK CURB RAMPS AT PRIVATE ENTRANCES MAY BE ELIMINATED IF GRADING CAN BE ACCOMPLISHED WITHOUT THE CURB.

NOTE: THE ENTRANCE WIDTHS SHOWN ON THE PLANS SHALL BE INTERPRETED TO BE THE WIDTHS AT THE COMPLETED RADIUS, WHICH MAY BE LOCATED BEHIND THE R.O.W. LINE.

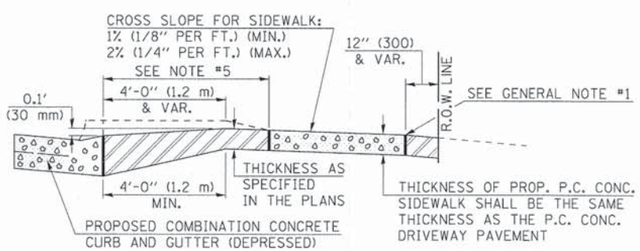


SECTION A-A WITH POSITIVE GRADE

URBAN ENTRANCE DESIGN STANDARDS (PPM 40-09)												
	NEW CONSTRUCTION & 3R with RECONSTRUCTION						3R w/out RECONSTRUCTION, 3P, SMART & CM					
	NONCOMMERCIAL			COMMERCIAL			NONCOMMERCIAL			COMMERCIAL		
DESIGN ELEMENT	min.	des.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.
SURFACE WIDTH (FT)	12	12 or 14 with	24	1 LANE, 1 WAY 14 / 2 LANE, 2 WAY 24	16 / 30	24 / 35	resurface existing configuration; existing hma or pcc entrances shall have "butt joints" constructed; existing aggregate or earth entrances shall have the continuation of aggregate shoulders placed behind them			1 LANE, 1 WAY 2 LANE, 2 WAY		
RADIUS (FT)	12	15 or 12	25	15	30	40						
ENTRANCE GRADE (%)	0	2 to 5	8	0	2 to 4	6						
SURFACE TYPE												
INCIDENTAL HMA SURFACING (INCH)				3 or 4			taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" for "butt joints" and to minimize aggregate shoulder					
AGGREGATE SURFACE COURSE, TYPE A (INCH)				8			if applicable use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02					
PCC DRIVEWAY PAVEMENT (INCH)	6	6			6 or 8							



SECTION A-A WITHOUT SIDEWALK



SECTION A-A WITH NEGATIVE GRADE

LEGEND

PROP. P.C. CONCRETE DRIVEWAY PAVEMENT

LONGITUDINAL CURB EXPANSION JOINT

GENERAL NOTES

1. THIS LONGITUDINAL CURB EXPANSION JOINT SHALL BE PLACED ONLY WHERE THE PROPOSED P.C. CONCRETE SIDEWALK OR DRIVEWAY PAVEMENT MEETS AN EXISTING CONCRETE ENTRANCE. THE P.C.C. DRIVEWAY PAVEMENT WILL BE POURED MONOLITHIC WITH THE P.C.C. SIDEWALK WHEN THE DISTANCE BETWEEN THE SIDEWALK AND RIGHT-OF-WAY IS LESS THAN OR EQUAL TO 24" (600 mm). THE LONGITUDINAL EXPANSION JOINT BETWEEN THE DRIVEWAY PAVEMENT AND SIDEWALK WILL NOT BE NEEDED UNLESS THE DISTANCE EXCEEDS 24" (600 mm).
2. THE LONGITUDINAL CURB EXPANSION JOINT SHALL CONFORM TO SECTION 1051 OF THE STANDARD SPECS.
3. DRIVEWAYS THAT WILL MEET EXISTING OR PROPOSED CURB NEAR THE R.O.W. LINE SHALL HAVE THE CURB CONSTRUCTED FULL HEIGHT TO THE R.O.W. LINE.
4. DRIVEWAYS THAT WILL BE CONSTRUCTED WITH FULL HEIGHT CURBS AND NOT MEETING EXISTING OR PROPOSED CURBS NEAR THE R.O.W. LINE SHALL HAVE THE CURB SLOPED AS SHOWN ABOVE.
5. DEPRESSED CURB SHALL BE BUILT ONLY AT PRIVATE DRIVES WITH NO SIDEWALK RAMPS.
6. THE ENTRANCE GRADES WILL BE AS SHOWN ON THE STATION CROSS SECTIONS AND AS DIRECTED BY THE ENGINEER.
7. THE P.C. CONCRETE DRIVEWAY PAVEMENT SHALL BE CONSTRUCTED WITH SCORED GROOVES, AS SPECIFIED IN ARTICLE 424.06 OF THE STANDARD SPECIFICATIONS, AT APPROXIMATELY EVERY OTHER JOINT, EITHER IN THE EXISTING SIDEWALK OR THE PROPOSED SIDEWALK. THE PROPOSED P.C. CONCRETE SIDEWALK SHALL BE CONSTRUCTED PRIOR TO CONSTRUCTING THE P.C. CONC. DRIVEWAY PAVEMENT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
8. THE COMBINATION CONCRETE CURB AND GUTTER SHALL BE CONSTRUCTED AS SHOWN AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LIN.FT. (METER) FOR COMBINATION CONCRETE CURB AND GUTTER OF THE TYPE SPECIFIED IN THE PLANS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
9. THE P.C. CONCRETE SIDEWALK SHALL BE CONSTRUCTED AS SHOWN ABOVE AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQ.FT. (m^2) FOR P.C. CONCRETE SIDEWALK OF THE THICKNESS SPECIFIED IN THE PLANS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE EXTRA THICKNESS AS SHOWN ABOVE OR THE SEQUENCE OF CONSTRUCTION AS SPECIFIED.
10. BEFORE A CHANGE IN THE METHOD OF CONSTRUCTION IS ALLOWED, THE REQUEST SHALL BE SUBMITTED IN WRITING AND MUST BE APPROVED BY THE ENGINEER.
11. THE VARIABLE HEIGHT CURB ADJACENT TO THE P.C. CONCRETE DRIVEWAY PAVEMENT SHALL BE CONSTRUCTED MONOLITHIC WITH AND INCLUDED IN THE AREA OF THE P.C. CONCRETE DRIVEWAY PAVEMENT OF THE THICKNESS SPECIFIED IN THE PLANS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQ.YD. (m^2) FOR P.C. CONCRETE DRIVEWAY PAVEMENT OF THE THICKNESS SPECIFIED IN THE PLANS, INCLUDING THE MONOLITHIC CURBS AS SPECIFIED, THE SCORED GROOVES, THE LONGITUDINAL CURB EXPANSION JOINTS, AND THE ADDITIONAL THICKNESS REQUIRED ADJACENT TO THE DEPRESSED COMBINATION CONCRETE CURB AND GUTTER, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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

DISTRICT 5 DETAIL NO. 42300AAA

FILE NAME =	USER NAME = 566bcd	DESIGNED -	REVISED - 11/06 TJB
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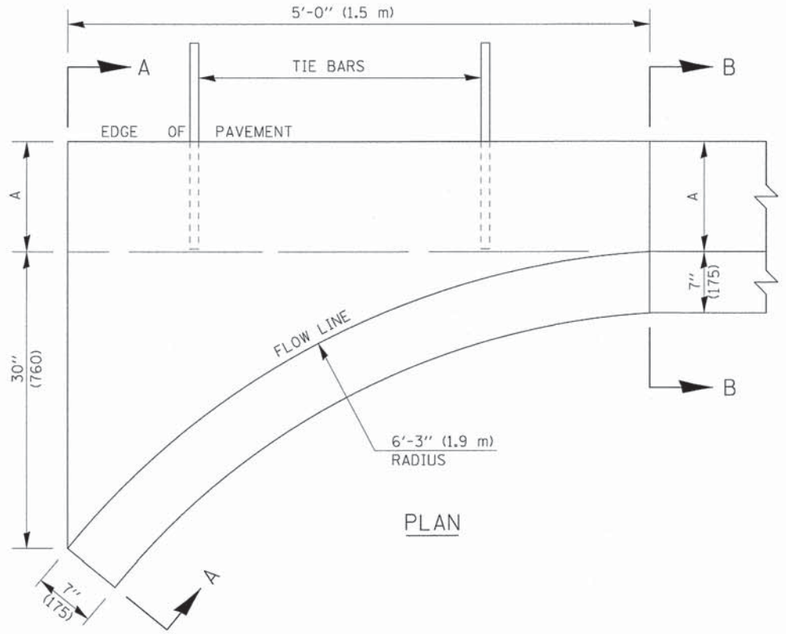
	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/9/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

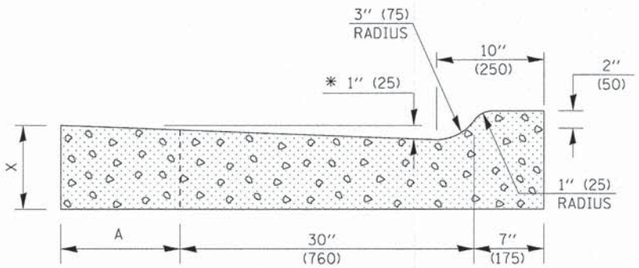
DRIVEWAY PAVEMENT (PCC) (NON & COMMERCIAL URBAN)

SCALE: NA | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	35
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		

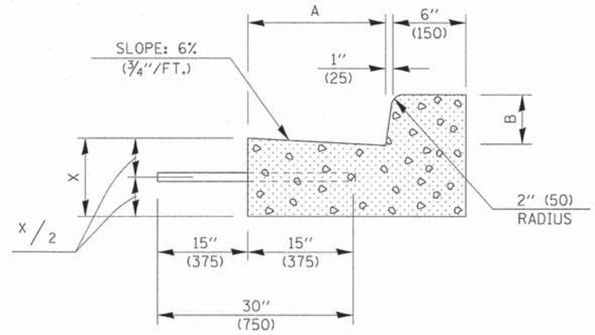


PLAN



SECTION A-A

* INCREASE TO 2" (50 mm) WHERE IN THE PLANS IT IS SPECIFIED THAT THESE SPECIAL INLETS ARE TO BE CONSTRUCTED AS OUTLETS. ALL OUTLET LOCATIONS WILL BE CONFIRMED BY THE ENGINEER.



SECTION B-B

	B-6.12 (B-15.30)		B-9.12 (B-22.30)		B-6.18 (B-15.45)		B-9.18 (B-22.45)		B-6.24 (B-15.60)		B-9.24 (B-22.60)	
A	12" (300)	12" (300)	12" (300)	12" (300)	18" (450)	18" (450)	18" (450)	18" (450)	24" (600)	24" (600)	24" (600)	24" (600)
B	6" (150)	6" (150)	9" (225)	9" (225)	6" (150)	6" (150)	9" (225)	9" (225)	6" (150)	6" (150)	9" (225)	9" (225)
X	9" (225)	10" (250)	9" (225)	10" (250)	9" (225)	10" (250)	9" (225)	10" (250)	9" (225)	10" (250)	9" (225)	10" (250)
CU. YD. (m^3) CLASS SI CONCRETE (OUTLET)	0.37 (0.28)	0.42 (0.32)	0.38 (0.29)	0.42 (0.32)	0.44 (0.34)	0.49 (0.37)	0.45 (0.34)	0.50 (0.38)	0.51 (0.39)	0.56 (0.43)	0.52 (0.40)	0.57 (0.44)

GENERAL NOTES

1. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.
2. TIE BARS SHALL BE NO. 6 (NO. 20) AT 24" (600 mm) CENTERS UNLESS OTHERWISE SHOWN. SPECIAL INLETS AND OUTLETS SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.
3. TIE BARS SHOWN ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCIDENTAL TO CLASS SI CONCRETE (OUTLET).
4. WHEN SPECIAL INLET IS CONSTRUCTED ADJACENT TO FLEXIBLE PAVEMENT, THE TIE BARS SHALL BE OMITTED AND ALL CONSTRUCTION JOINTS SHALL BE PROVIDED WITH A DOWEL BAR CONFORMING TO ARTICLE 1006.11(b).
5. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CU. YD. (m^3) FOR CLASS SI CONCRETE (OUTLET) WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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

DISTRICT 5 DETAIL NO. 60600095A

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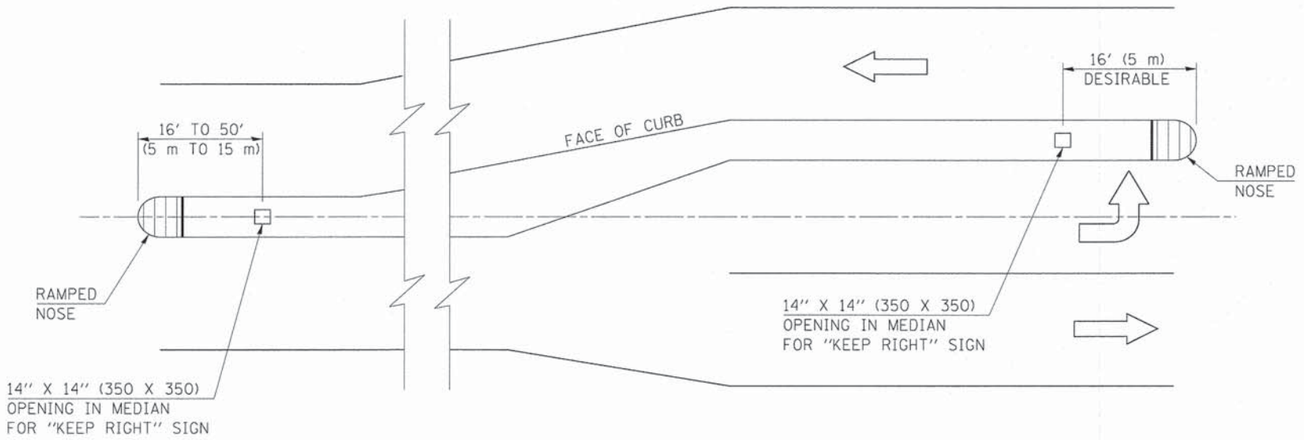
	PLOT SCALE = 20.000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/9/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

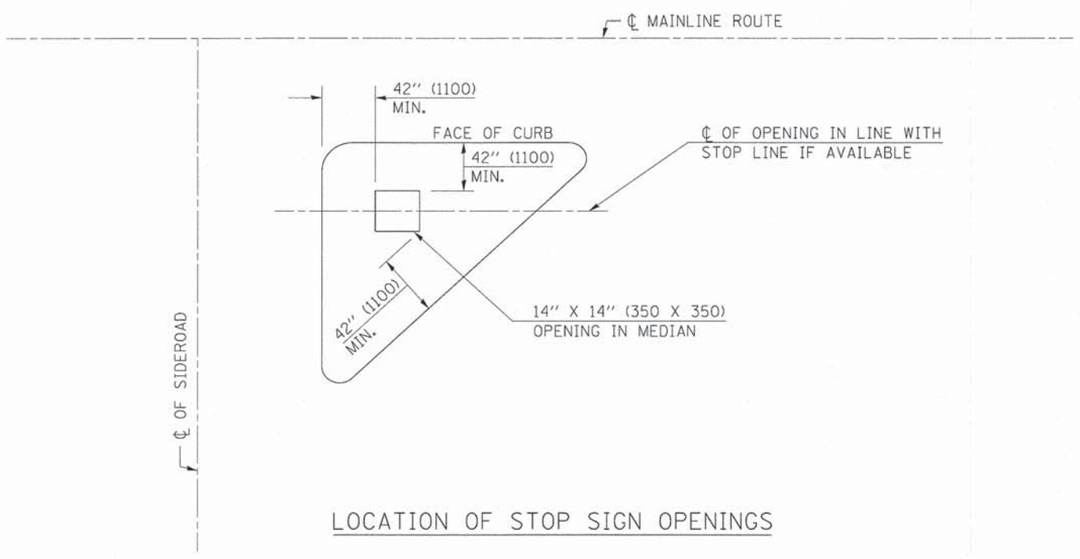
INLET – COMBINATION CONCRETE CURB & GUTTER (BARRIER CURB)

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	36
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		



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.

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

DISTRICT 5 DETAIL NO. 60623711

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		DRAWN -	REVISED -
	PLOT SCALE = 20.000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 12/9/2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

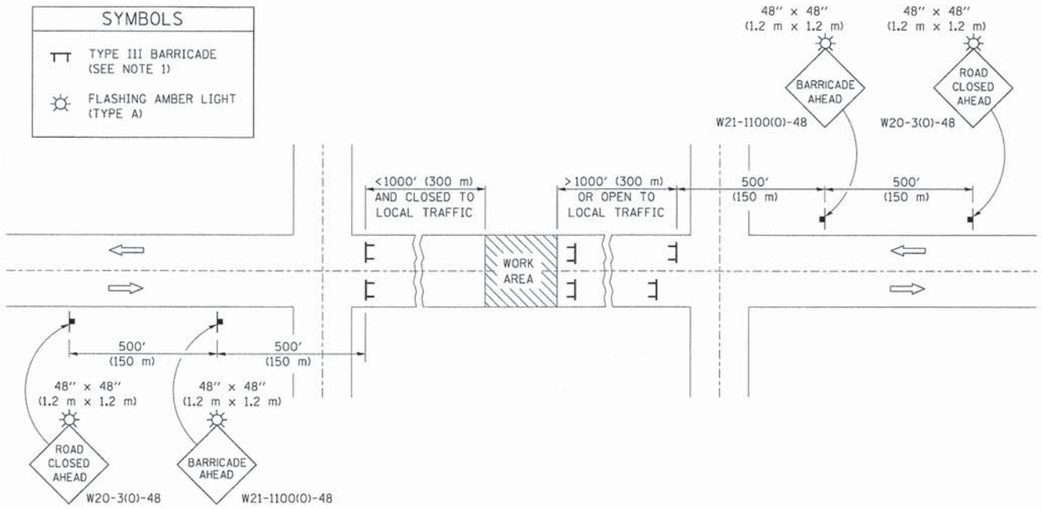
SIGN POST BLOCKOUTS

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	37
		CONTRACT NO. 91475		

FED. ROAD DIST. NO. 5 | ILLINOIS | FED. AID PROJECT M-5059(105)

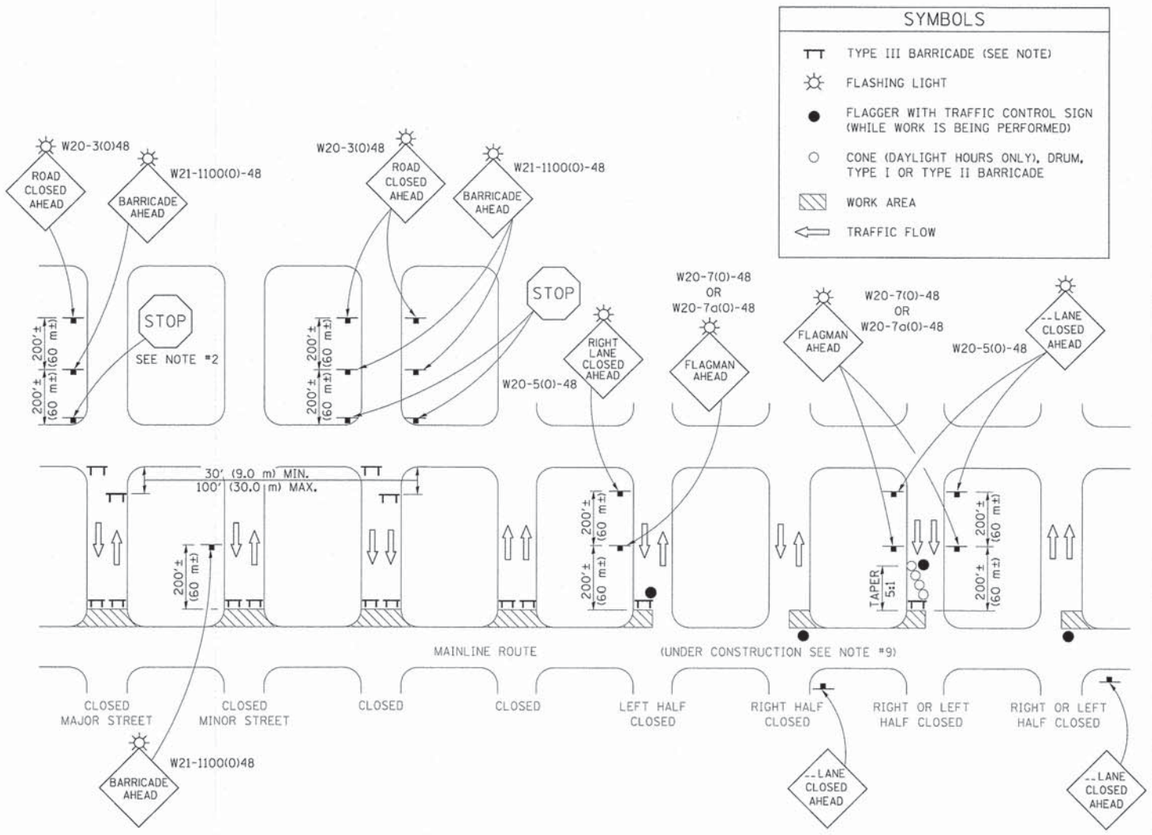
ROAD CLOSURE



GENERAL NOTES

1. TYPE III BARRICADES SHALL BE AS SHOWN ON STANDARD 701901 "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 701901 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 TY 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.

SIDEROAD / STREET CLOSURE



GENERAL NOTES

1. TYPE III BARRICADES SHALL BE AS SHOWN ON "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
2. WHERE A STOP CONDITION EXISTS, AS SHOWN ABOVE, WARNING SIGNS MAY BE OMITTED IN ADVANCE OF THE "STOP" SIGN.
3. STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & MANUFACTURE OF TYPE III BARRICADES.
4. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
5. ONE FLASHING LIGHT IS REQUIRED ABOVE EACH ADVANCE WARNING SIGN DURING HOURS OF DARKNESS.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
7. FORMS BT 725 AND BT 726 ARE REQUIRED.
8. THE MAINLINE ROUTE TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS.
9. ALL FLAGGERS REQUIRED AT SIDE ROADS AND ENTRANCES REMAINING OPEN TO TRAFFIC AND/OR ADDITIONAL BARRICADES REQUIRED BY THE ENGINEER TO CLOSE SIDE ROADS AND ENTRANCES WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.

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

DISTRICT 5 DETAIL NO. 70200000

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	PLOT DATE = 12/9/2014	DATE -	REVISED -

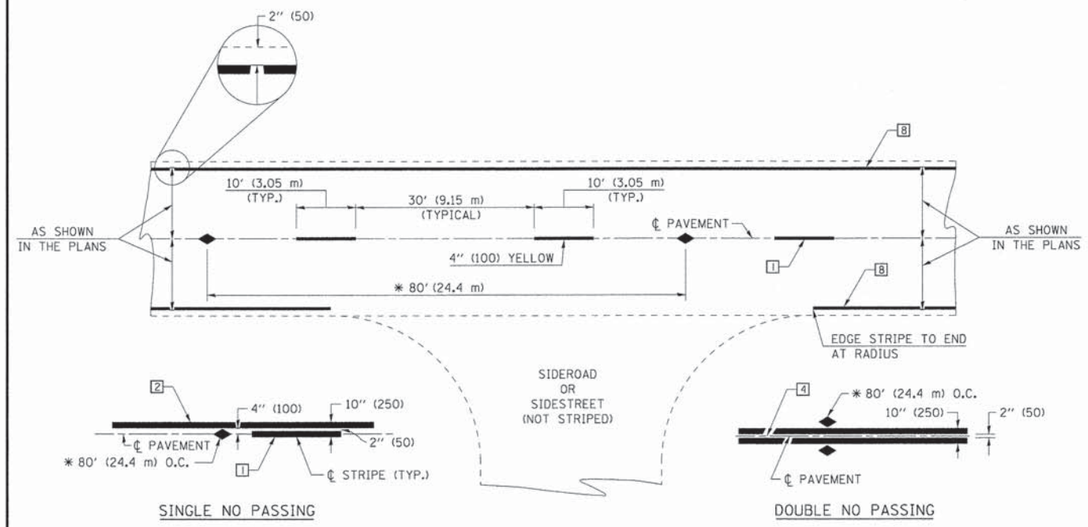
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL & PROTECTION DEVICES (ROAD & SIDEROAD/STREET CLOSURES)

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 T101	09-00101-00-PV	CHAMPAIGN	74	38
		CONTRACT NO. 91475		

FED. ROAD DIST. NO. 5 | ILLINOIS | FED. AID PROJECT M-5059(105)



SINGLE NO PASSING

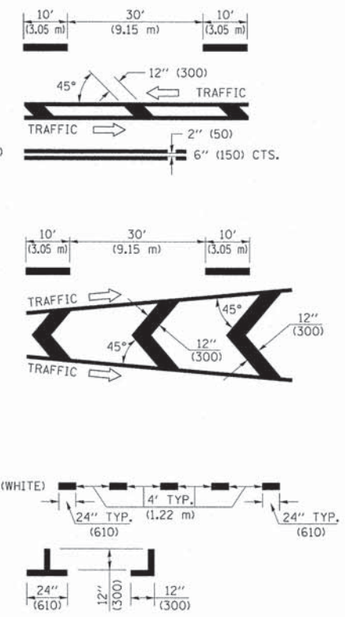
DOUBLE NO PASSING

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

TWO LANE/TWO WAY

TYPICAL PAVEMENT MARKING LEGEND

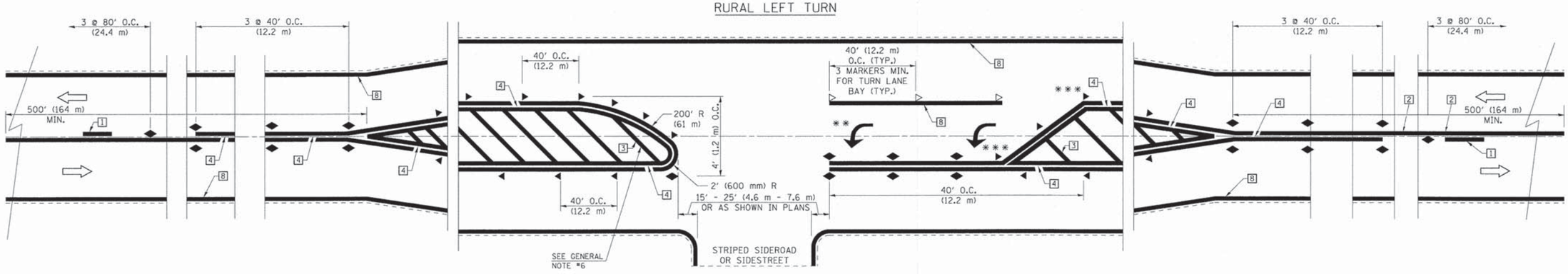
1. 4" (100) SKIP-DASH (YELLOW)
2. 4" (100) SOLID (YELLOW)
3. 12" (300) DIAGONAL (YELLOW)
4. 4" (100) DOUBLE YELLOW (NARROW)
5. RESERVED
6. RESERVED
7. 4" (100) SKIP-DASH (WHITE)
8. 4" (100) SOLID (WHITE)
9. 12" (300) DIAGONAL (WHITE)
10. 6" (150) SOLID (WHITE)
11. 24" (600) STOP BAR (WHITE)
12. 8" (200)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

RURAL LEFT TURN



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

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

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

DISTRICT 5 DETAIL NO. 7800AAAA

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	PLOT DATE = 12/9/2014	DATE -	REVISED -

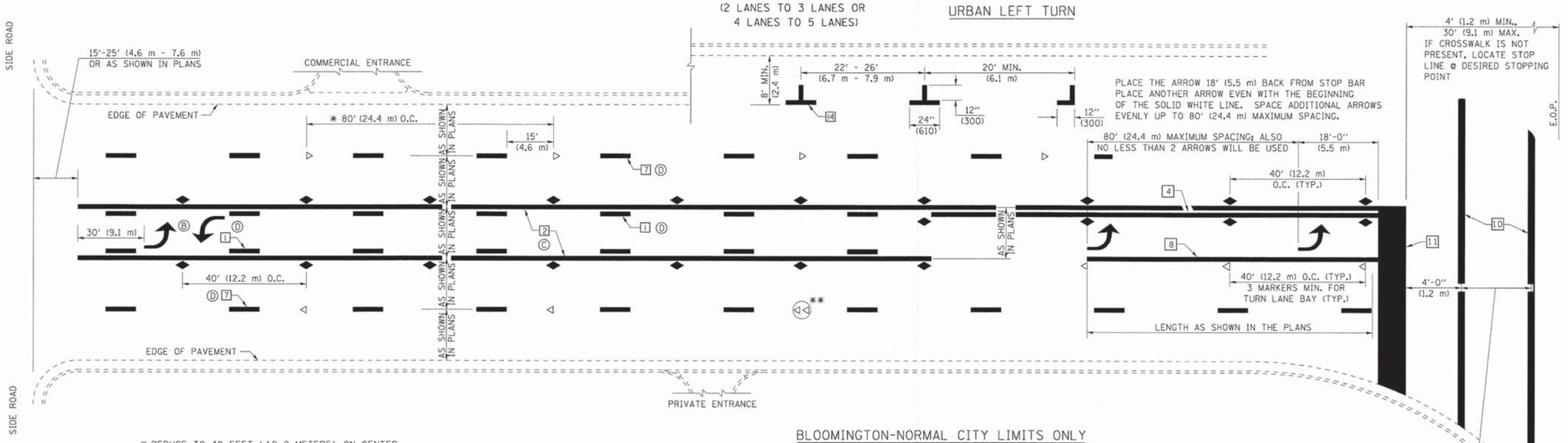
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)

SCALE: | SHEET NO. 1 OF 4 SHEETS | STA. | TO STA.

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	39
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		

URBAN LEFT TURN



* 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.

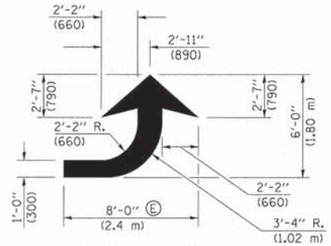
GENERAL NOTES:

Ⓑ 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.

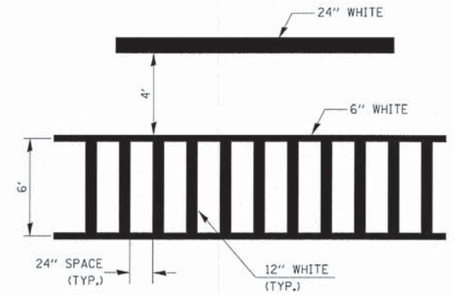
Ⓔ USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)



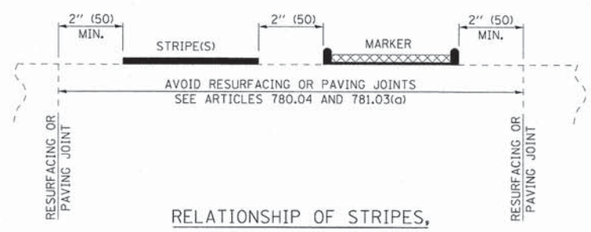
LEFT ARROW

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

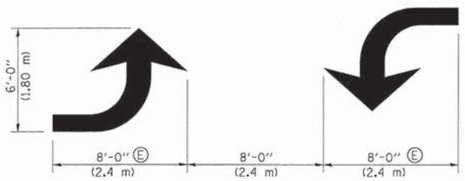
BLOOMINGTON-NORMAL CITY LIMITS ONLY



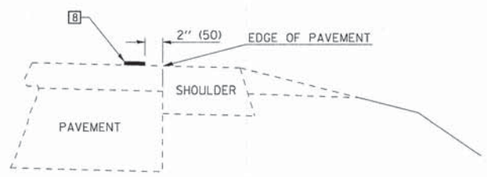
TYPICAL SPACING FOR
CROSSWALKS & STOP BARS



RELATIONSHIP OF STRIPES,
MARKERS AND JOINTS



TYPICAL DOUBLE
TURN ARROWS (WHITE)



RELATIONSHIP OF EDGE LINE TO EDGE OF PAVEMENT

(SAFETY SHOULDER OR PAVED SURFACE)
SEE ARTICLE 780.04

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

DISTRICT 5 DETAIL NO. 7800AAAA

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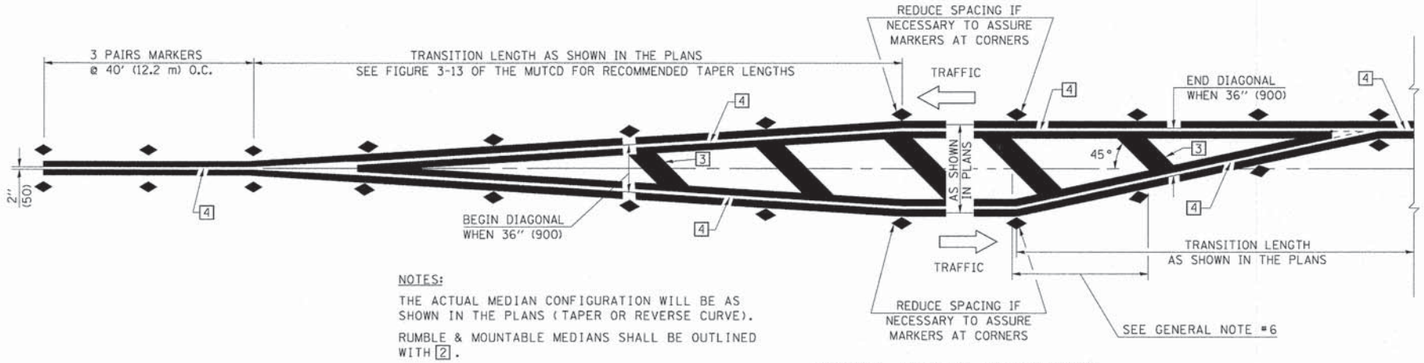
	PLOT DATE = 12/9/2014	DRAWN -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)

SCALE: | SHEET NO. 2 OF 4 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	40
		CONTRACT NO. 91475		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT M-5059(105)		



NOTES:

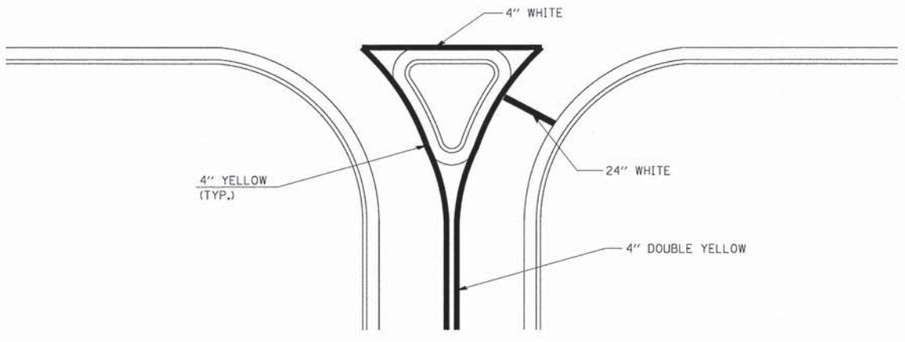
THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).

RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

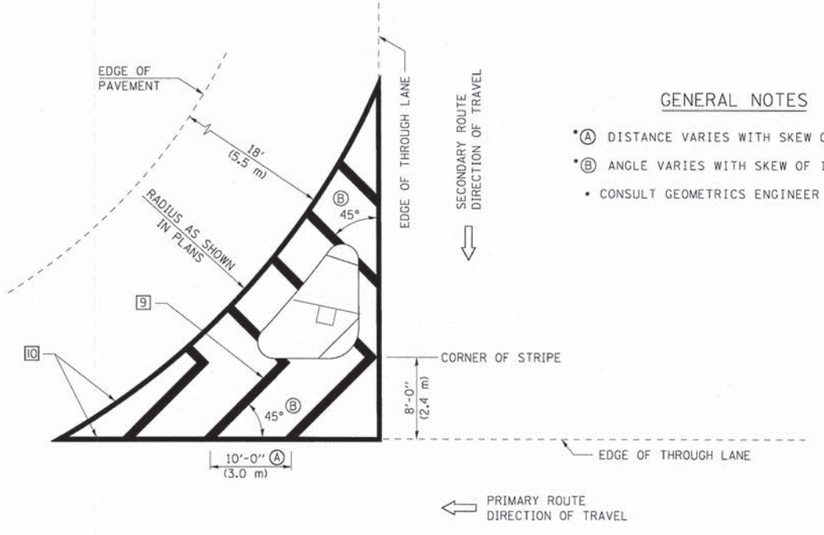
TYPICAL MEDIAN TRANSITIONS

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)



RIGHT IN - RIGHT OUT ACCESS



GENERAL NOTES

*Ⓐ DISTANCE VARIES WITH SKEW OF INTERSECTION.
*Ⓑ ANGLE VARIES WITH SKEW OF INTERSECTION.
* CONSULT GEOMETRICS ENGINEER

ISLAND

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

DISTRICT 5 DETAIL NO. 7800AAAA

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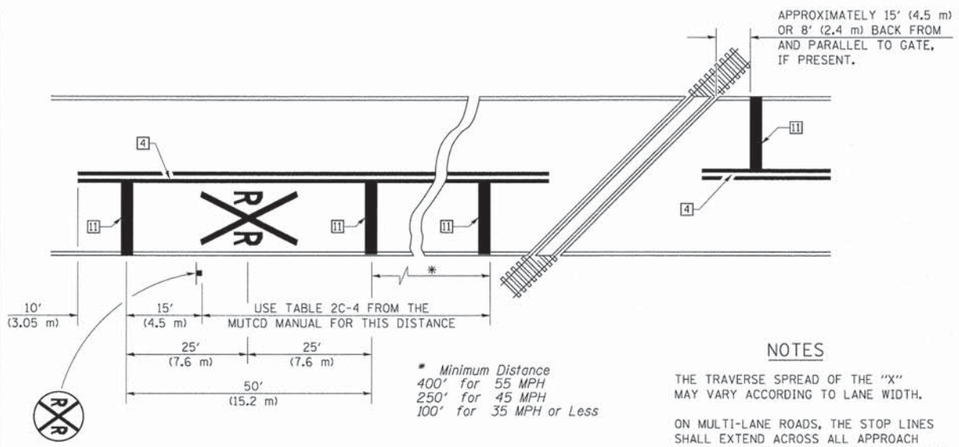
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)

SCALE: | SHEET NO. 3 OF 4 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	41
		CONTRACT NO. 91475		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT M-5059(105)		



PAVEMENT MARKINGS AT
RAILROAD-HIGHWAY GRADE CROSSING

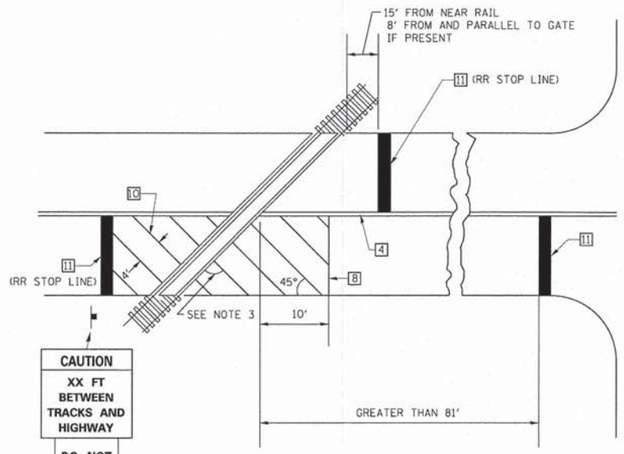
NOTES

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

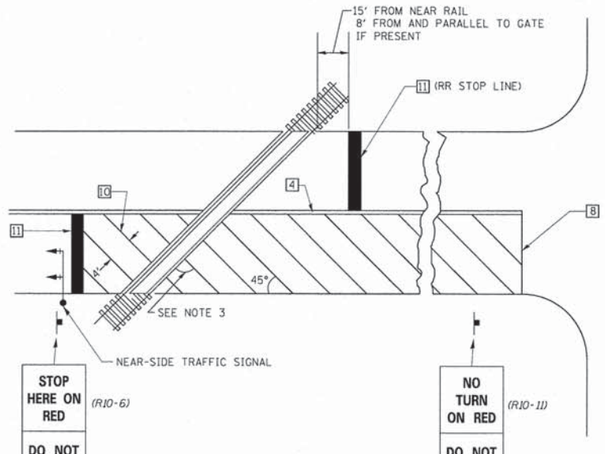
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

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.

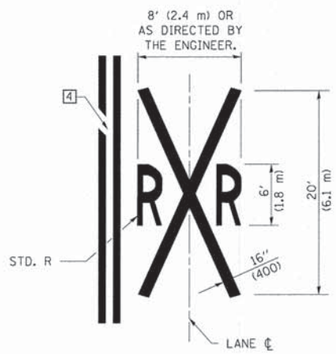
RAILROAD CROSSING WITH INTERCONNECT ONLY



RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR
RAILROAD-HIGHWAY GRADE CROSSING



GENERAL NOTES

1. SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
2. EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
3. 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.

DISTRICT 5 DETAIL NO. 7800AAAA

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	PLOT DATE = 12/9/2014	DATE -	REVISED -

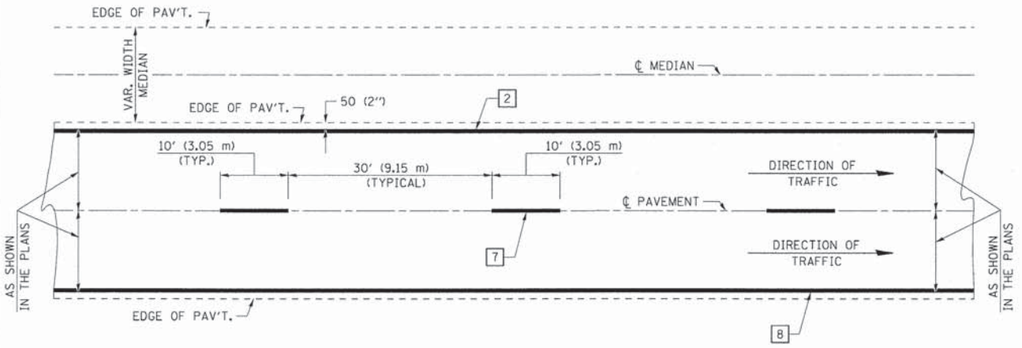
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)

SCALE: | SHEET NO. 4 OF 4 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	42
		CONTRACT NO. 91475		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT M-5059(105)		

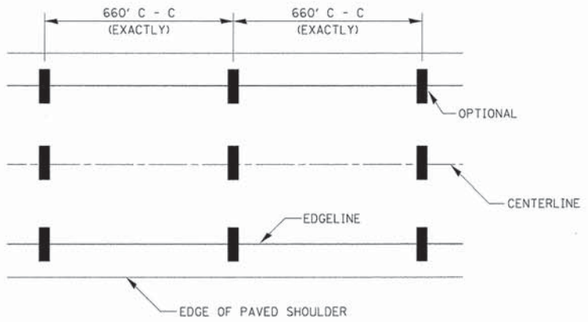
CENTERLINE INTERSTATE OR MULTI-LANE TWO WAY DIVIDED HIGHWAY



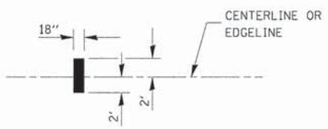
NOTE: PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.

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.

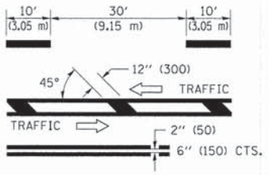


IT WILL BE NECESSARY TO HAVE A REPRESENTATIVE OF THE STATE POLICE PRESENT SO THAT THE ACCURACY OF MEASUREMENT CAN BE ATTESTED TO IN COURT.

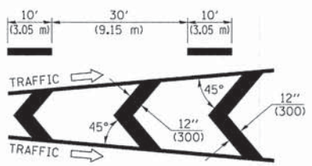


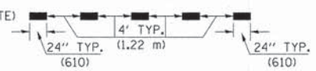
AERIAL SPEED CHECK ZONES

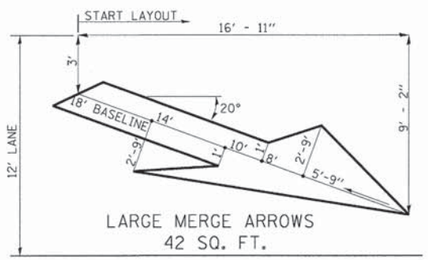
TYPICAL PAVEMENT MARKING LEGEND



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) SOLID (WHITE)
11. 24" (600) STOP BAR (WHITE)
12. 8" (200) SOLID (WHITE)
13. 4" (100) LANE LINE EXTENSIONS (WHITE)

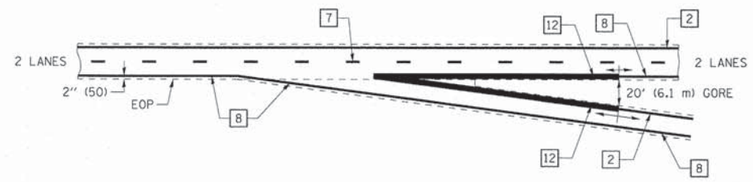




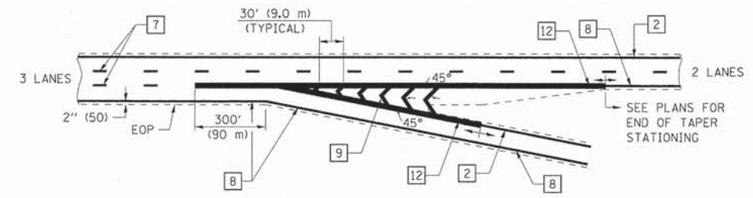


LARGE MERGE ARROWS
42 SQ. FT.

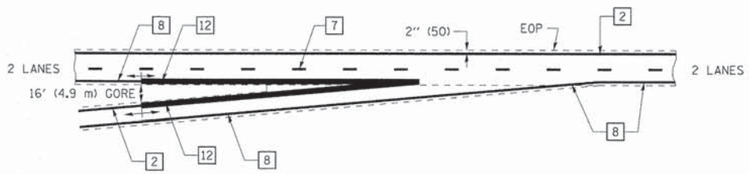
TYPICAL EXIT RAMP TERMINAL



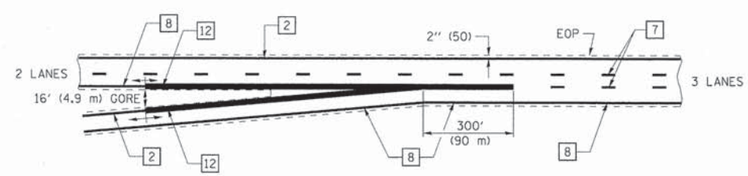
EXIT RAMP TERMINAL with EXCLUSIVE (auxiliary) LANE



TYPICAL ENTRANCE RAMP TERMINAL



ENTRANCE RAMP TERMINAL with EXCLUSIVE LANE



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

DISTRICT 5 DETAIL NO. 7800BBBB

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING (INTERSTATE & MULTI-LANE APPLICATIONS)

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	43
		CONTRACT NO. 91475		

FED. ROAD DIST. NO. 5 | ILLINOIS | FED. AID PROJECT M-5059(105)

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

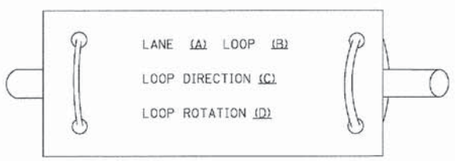
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

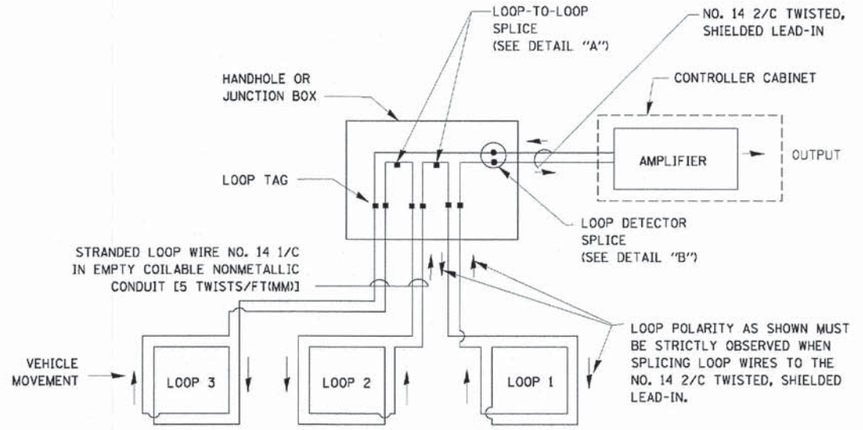


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

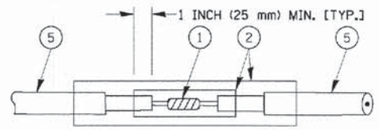
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

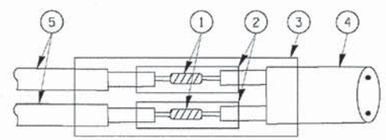


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

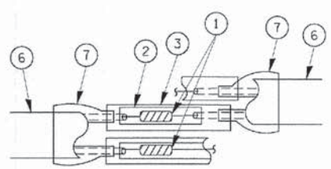


DETAIL "A"
LOOP-TO-LOOP SPLICE



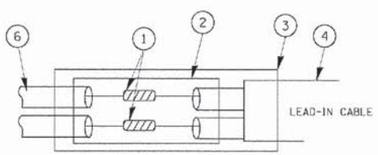
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

(1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.

(2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.

(3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

(6) PRE-FORMED LOOP

(7) XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

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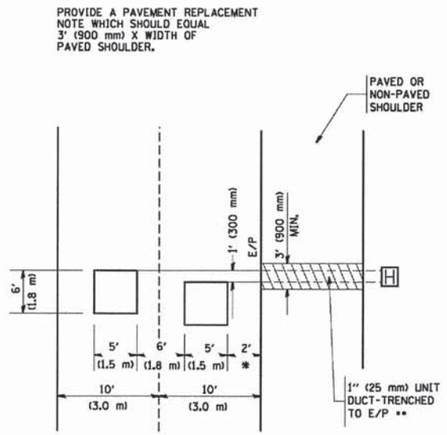
	PLOT SCALE = 50.0000 ' / IN.	DRAWN - BCK	REVISED -				800 7101	09-00101-00-PV	CHAMPAIGN	74	44
	PLOT DATE = 11/4/2009	CHECKED - DAD	REVISED -					TS-05	CONTRACT NO.		
		DATE - 10-28-09	REVISED -		SCALE: NONE	SHEET NO. 1 OF 6 SHEETS STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS	FED. AID PROJECT		

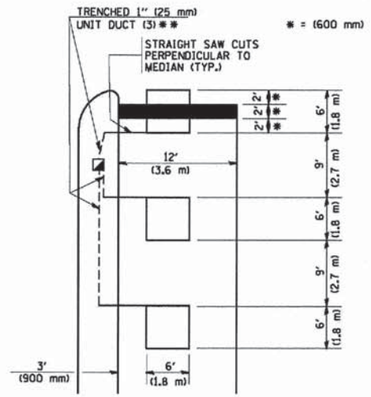
LOOPS NEXT TO SHOULDERS



* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

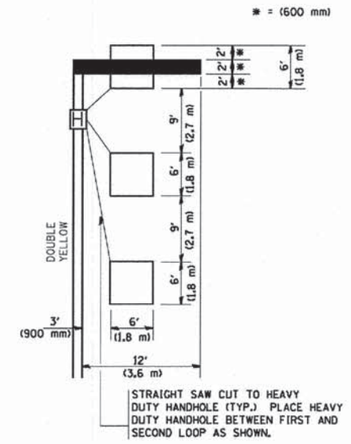
LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)



** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

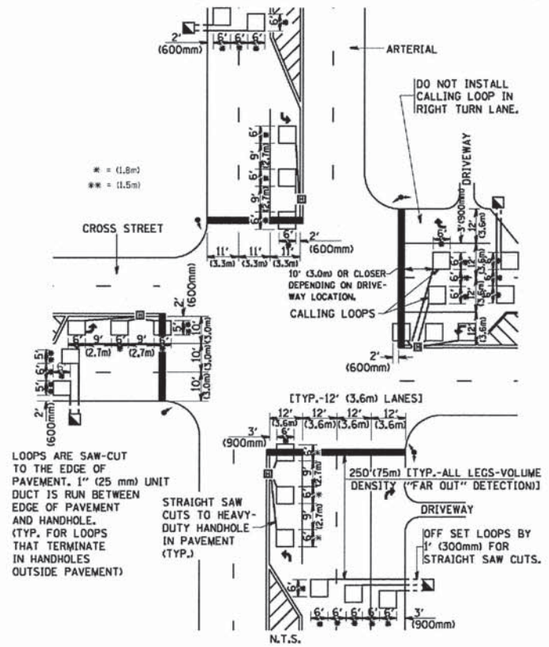
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)



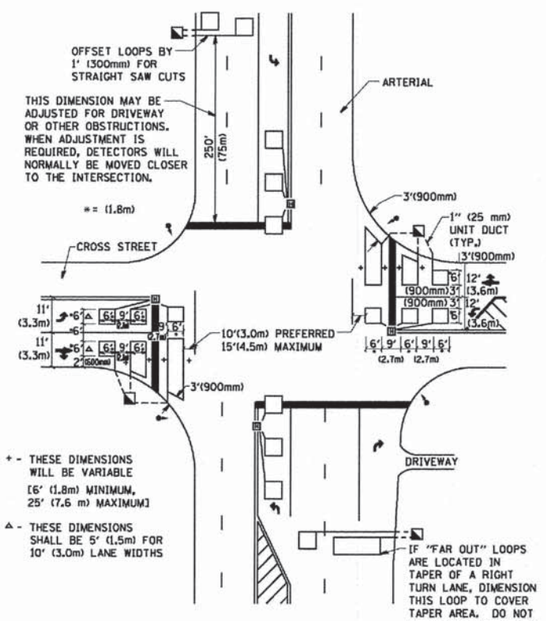
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION) CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)



DETAIL 1
N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION) CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATLY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
* ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
* EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
* WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
* WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

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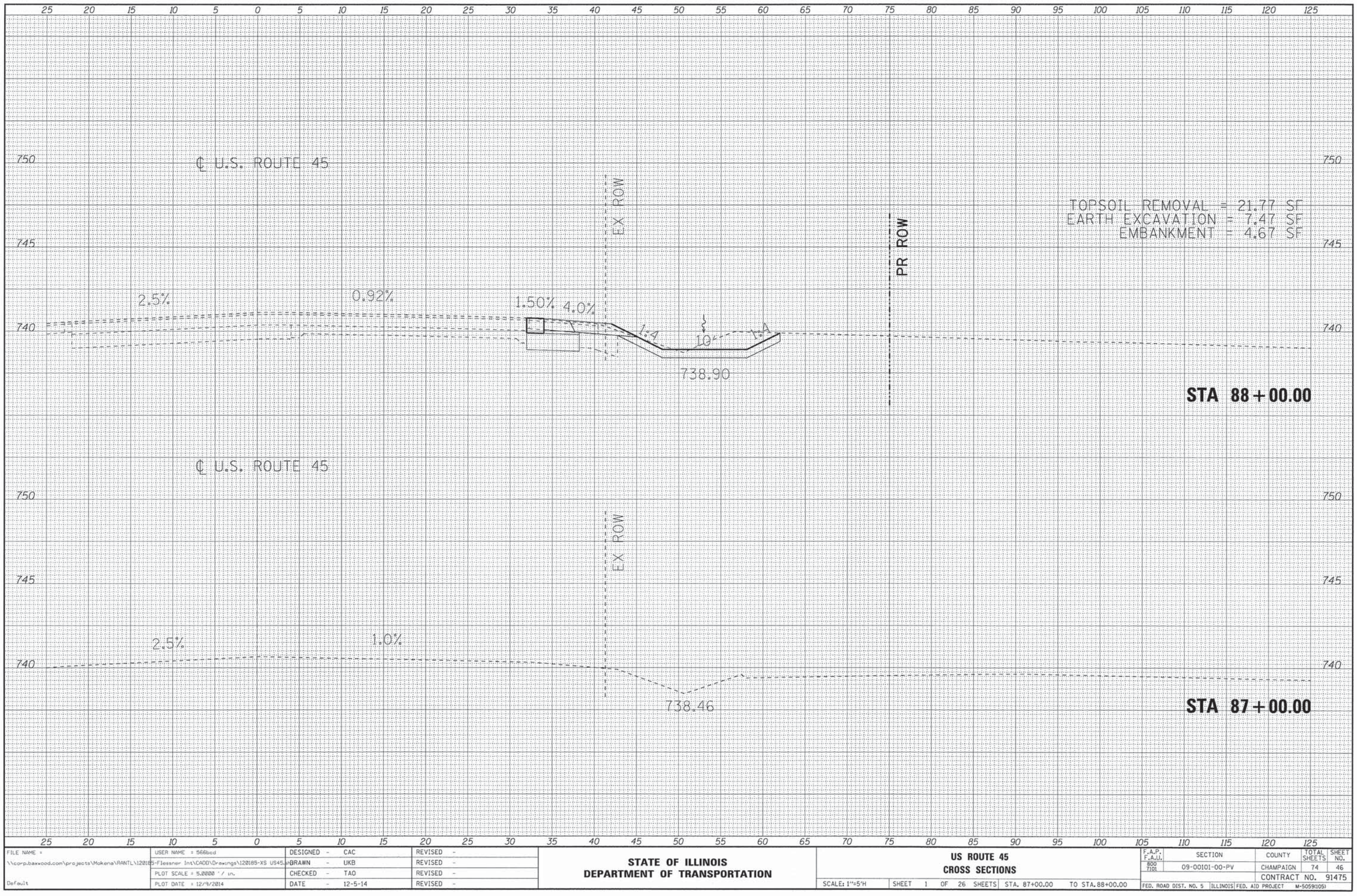
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	45
	TS-07	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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



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

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	PLOT DATE = 12/9/2014	DATE - 12-5-14	REVISED -

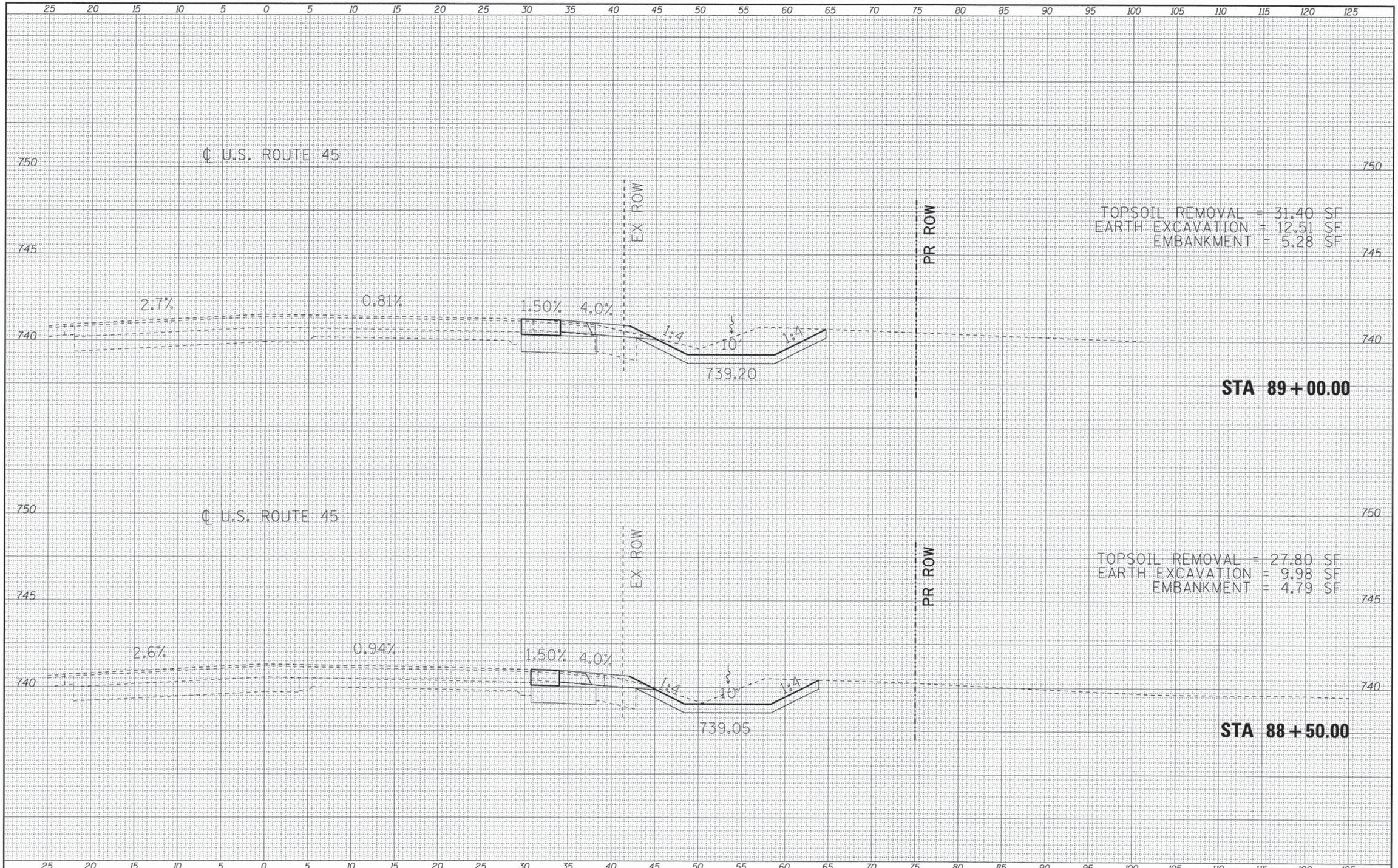
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45
CROSS SECTIONS

SCALE: 1"=5'H | SHEET 1 OF 26 SHEETS | STA. 87+00.00 TO STA. 88+00.00

F.A.P. F.A.U. 600 7101	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	09-00101-00-PV	CHAMPAIGN	74	46
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		

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



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

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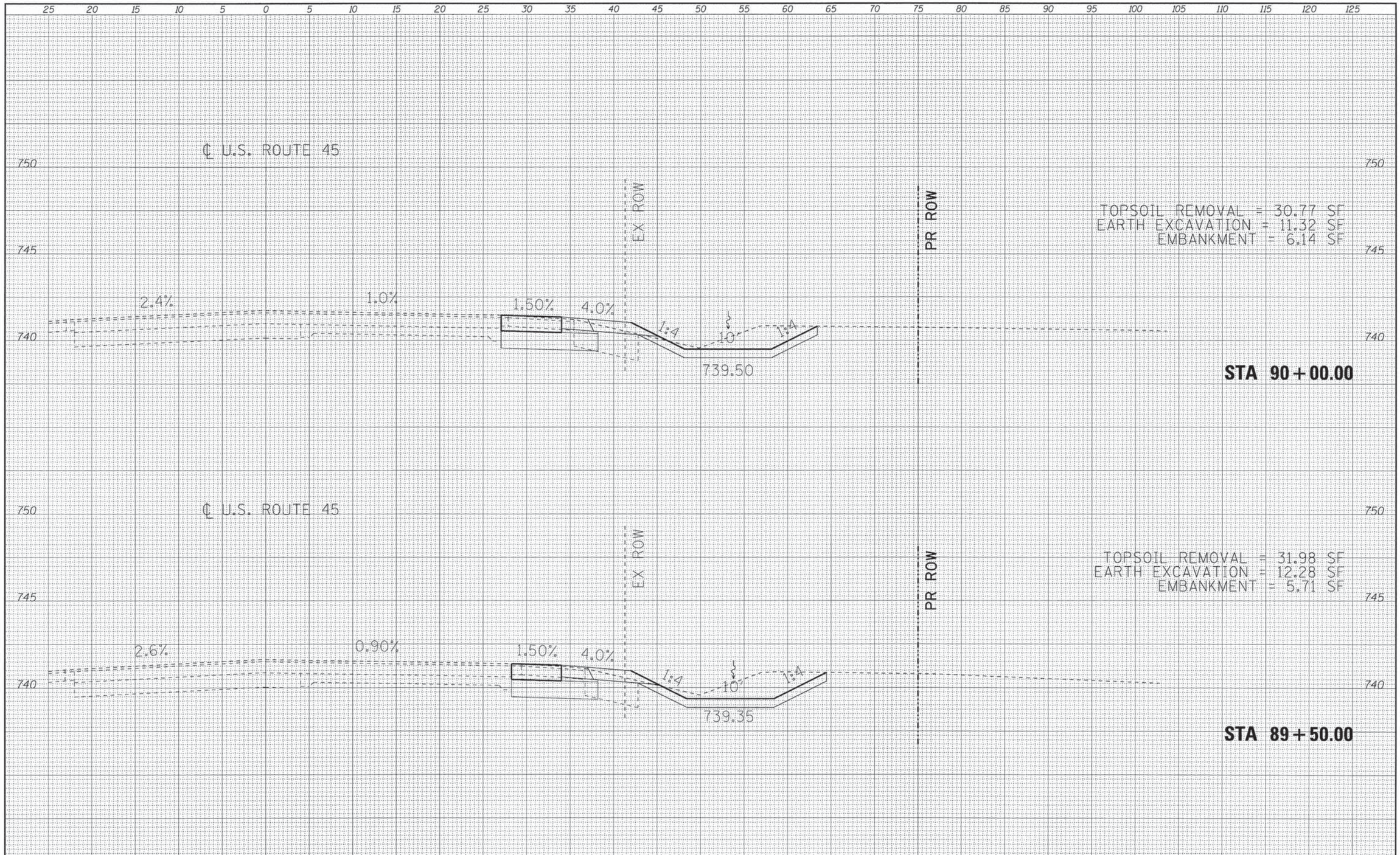
Default	PLOT DATE = 12/9/2014	DATE - 12-5-14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45
CROSS SECTIONS

SCALE: 1"=5'H | SHEET 2 OF 26 SHEETS | STA. 88+50.00 TO STA. 89+00.00

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
600 (101)	09-00101-00-PV	CHAMPAIGN	74	47
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT	M-5059(105)	



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SURVEYED — PLOTTED — TRACED — AREAS — AREAS CHECKED
BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO.
SURVEYED — PLOTTED — TRACED — AREAS — AREAS CHECKED
BY — DATE

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Default	PLOT DATE = 12/9/2014	DATE - 12-5-14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

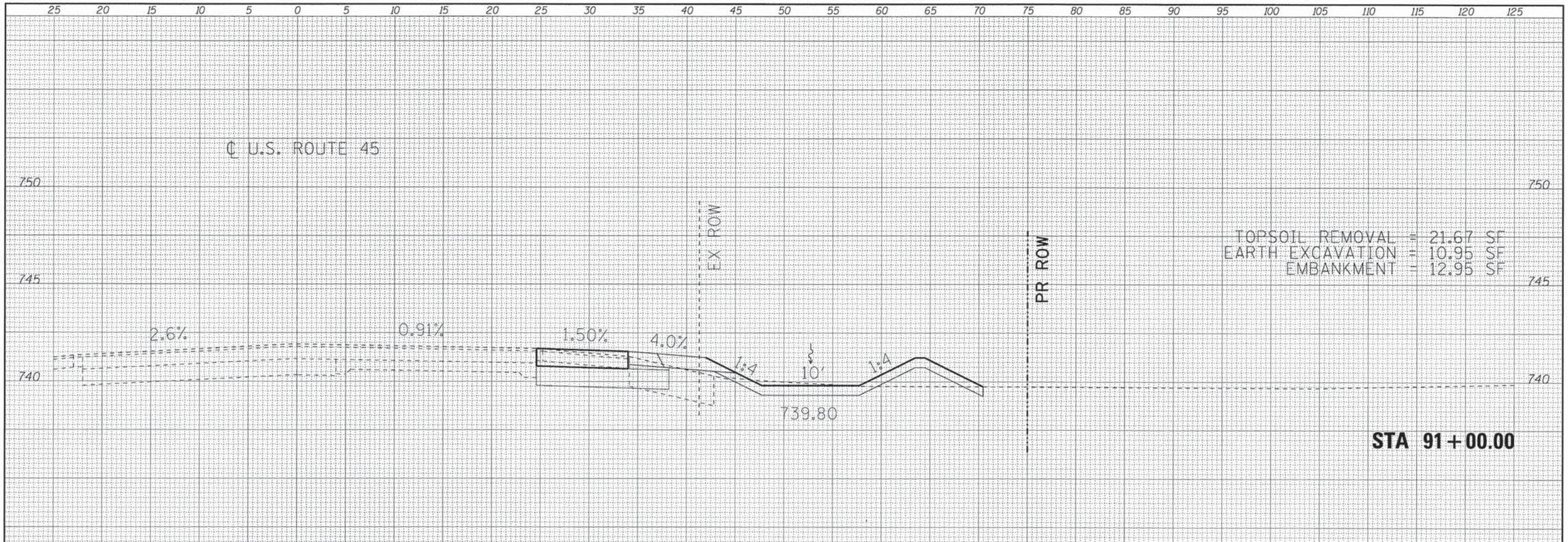
US ROUTE 45
CROSS SECTIONS

SCALE: 1"=5'H | SHEET 3 OF 26 SHEETS | STA. 89+50.00 | TO STA. 90+00.00

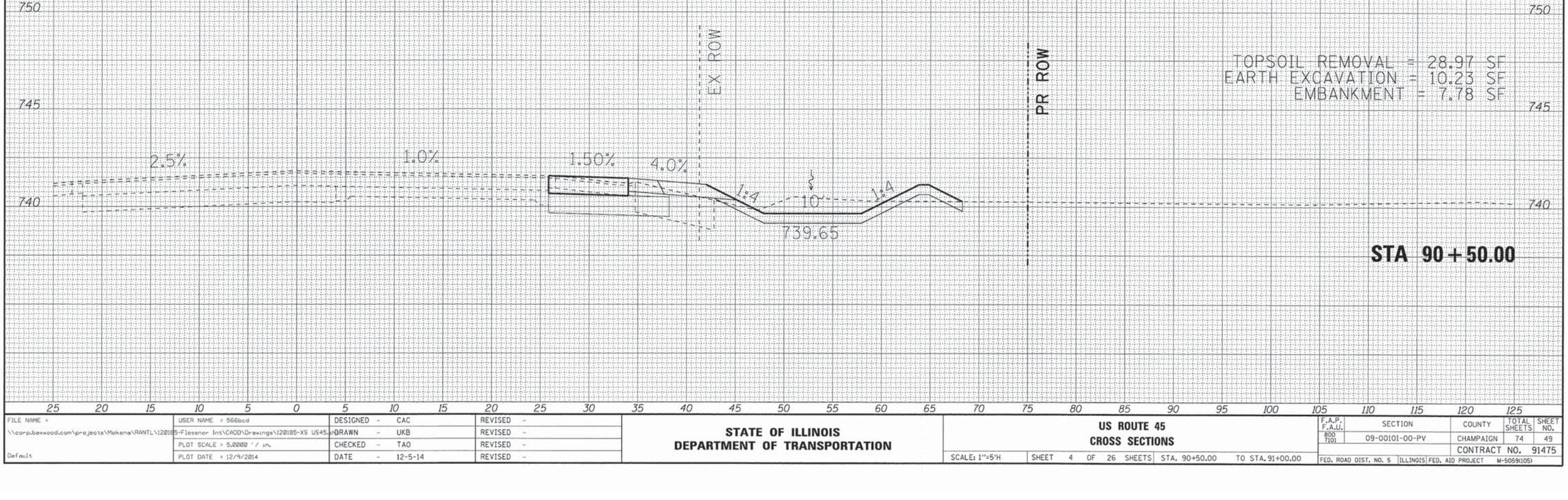
F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	48
		CONTRACT NO. 91475		

FED. ROAD DIST. NO. 5 | ILLINOIS | FED. AID PROJECT M-5059(105)

FINAL SURVEY NOTE BOOK	NO.	BY	DATE
SURVEYED			
PLOTTED			
TEMP. AIE AREAS			
AREAS CHECKED			



ORIGINAL SURVEY NOTE BOOK	NO.	BY	DATE
SURVEYED			
PLOTTED			
TEMP. AIE AREAS			
AREAS CHECKED			



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Default	PLOT DATE = 12/9/2014	CHECKED - TAO	REVISED -
		DATE - 12-5-14	REVISED -

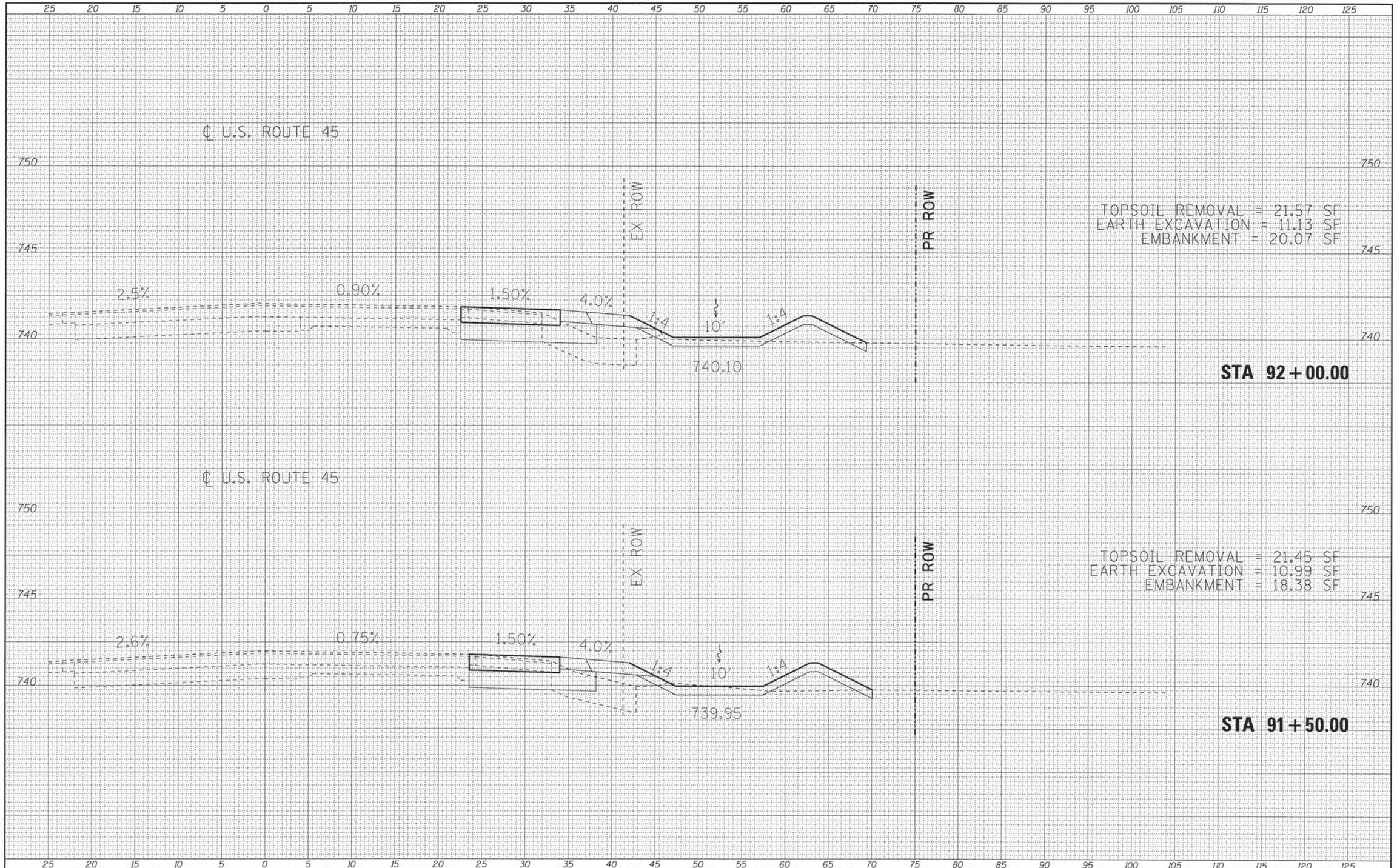
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45
CROSS SECTIONS

SCALE: 1"=5'H | SHEET 4 OF 26 SHEETS | STA. 90+50.00 TO STA. 91+00.00

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	49
		CONTRACT NO. 91475		

FED. ROAD DIST. NO. 5 | ILLINOIS | FED. AID PROJECT M-5059(105)



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

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

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Default	PLOT DATE = 12/9/2014	DATE - 12-5-14	REVISED -

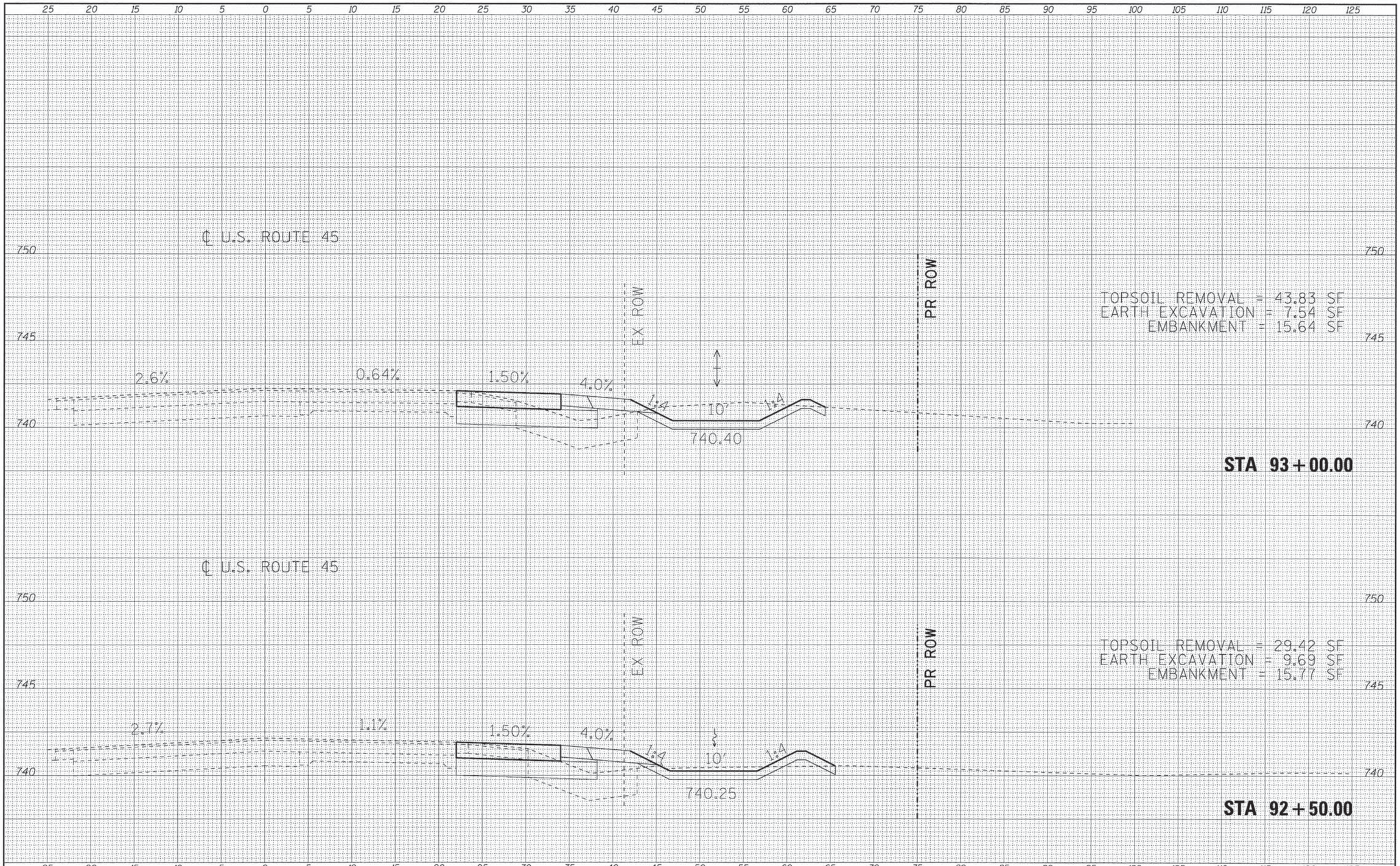
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45
CROSS SECTIONS

SCALE: 1"=5'H | SHEET 5 OF 26 SHEETS | STA. 91+50.00 TO STA. 92+00.00

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	50
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		

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



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

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Default	PLOT DATE = 12/9/2014	DATE - 12-5-14	REVISED -

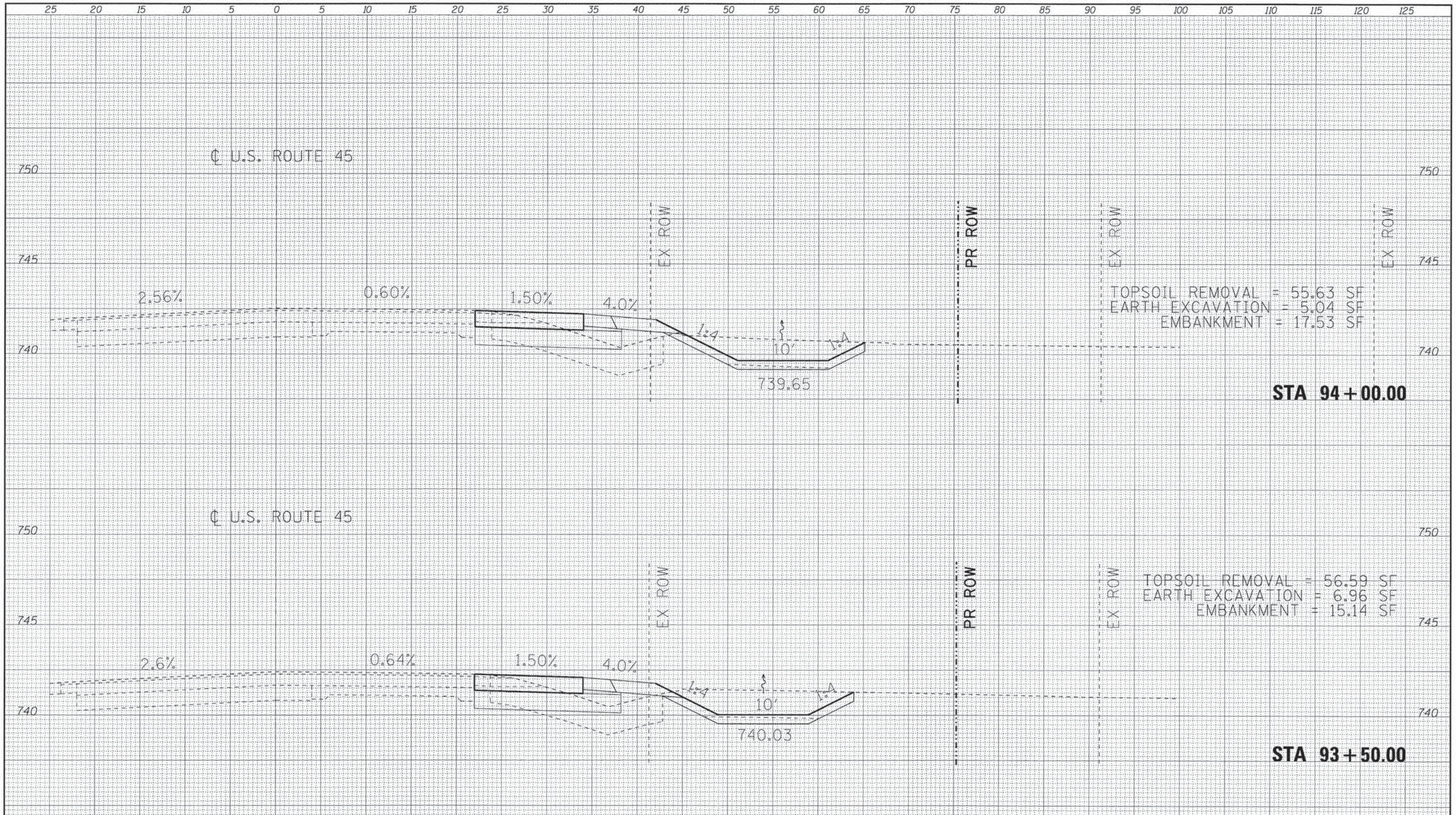
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45
CROSS SECTIONS

SCALE: 1"=5'H | SHEET 6 OF 26 SHEETS | STA. 92+50.00 | TO STA. 93+00.00

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	51
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		

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



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

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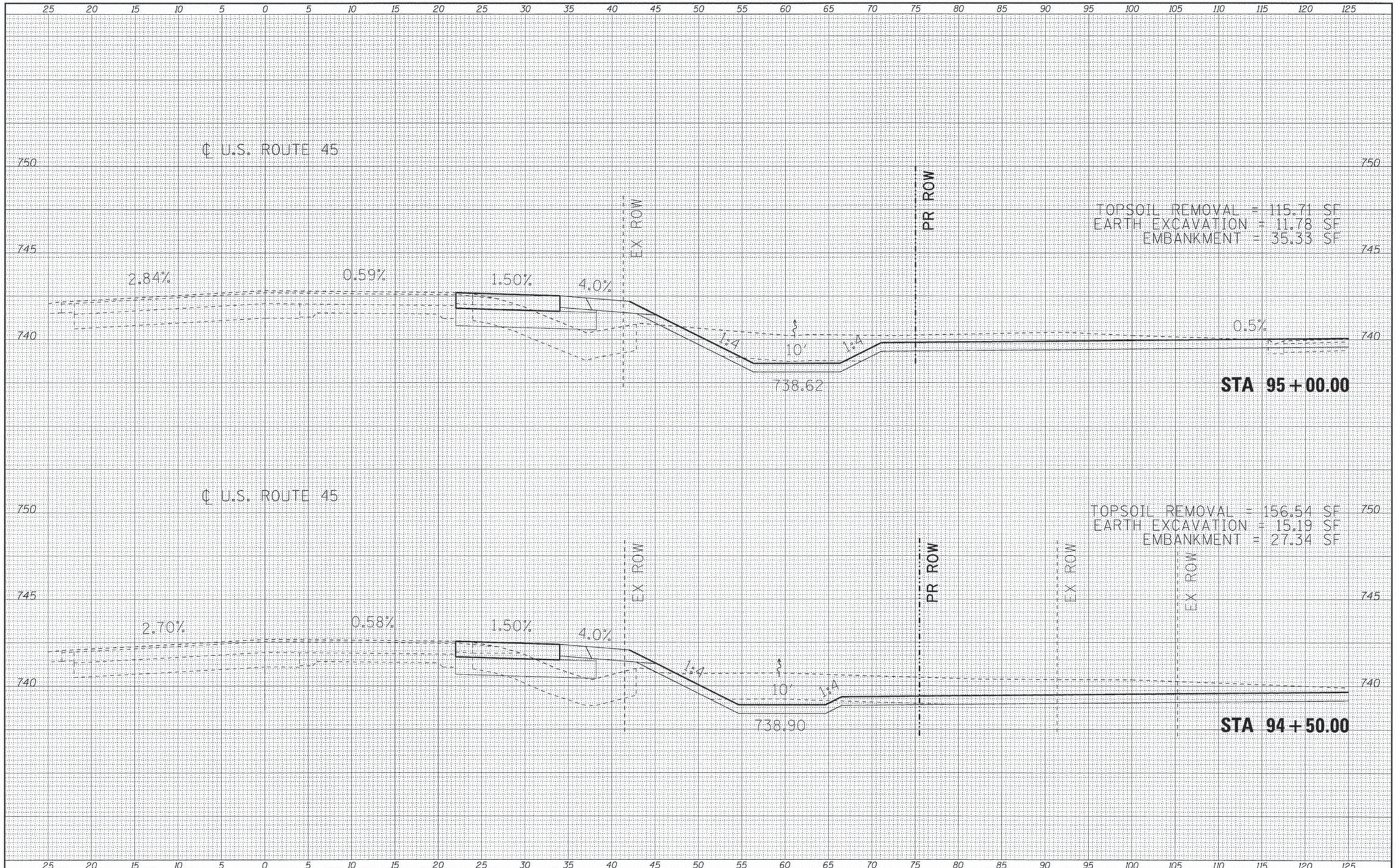
Default	PLOT DATE = 12/9/2014	DATE - 12-5-14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45
CROSS SECTIONS

SCALE: 1"=5'H | SHEET 7 OF 26 SHEETS | STA. 93+50.00 | TO STA. 94+00.00

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	52
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		



FINAL SURVEY NOTE BOOK — NO. — BY — DATE — SURVEYED — PLOTTED — TOPSOIL AREAS — AREAS CHECKED

ORIGINAL SURVEY NOTE BOOK — NO. — BY — DATE — SURVEYED — PLOTTED — TOPSOIL AREAS — AREAS CHECKED

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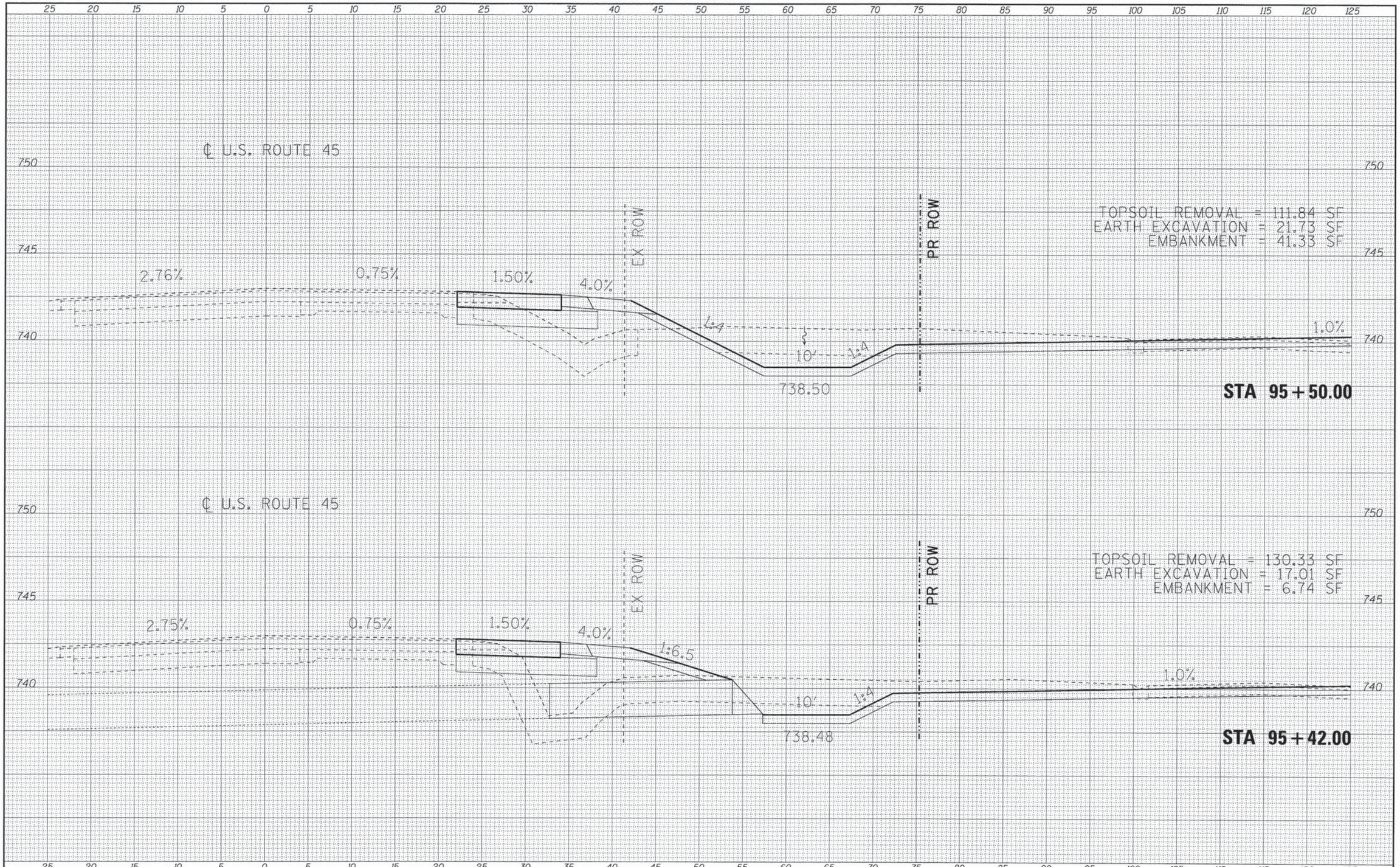
Default	PLOT DATE = 12/9/2014	DATE - 12-5-14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45
CROSS SECTIONS

SCALE: 1"=5'H | SHEET 8 OF 26 SHEETS | STA. 94+50.00 TO STA. 95+00.00

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	53
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		



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

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

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Default	PLOT DATE = 12/9/2014	DATE - 12-5-14	REVISED -

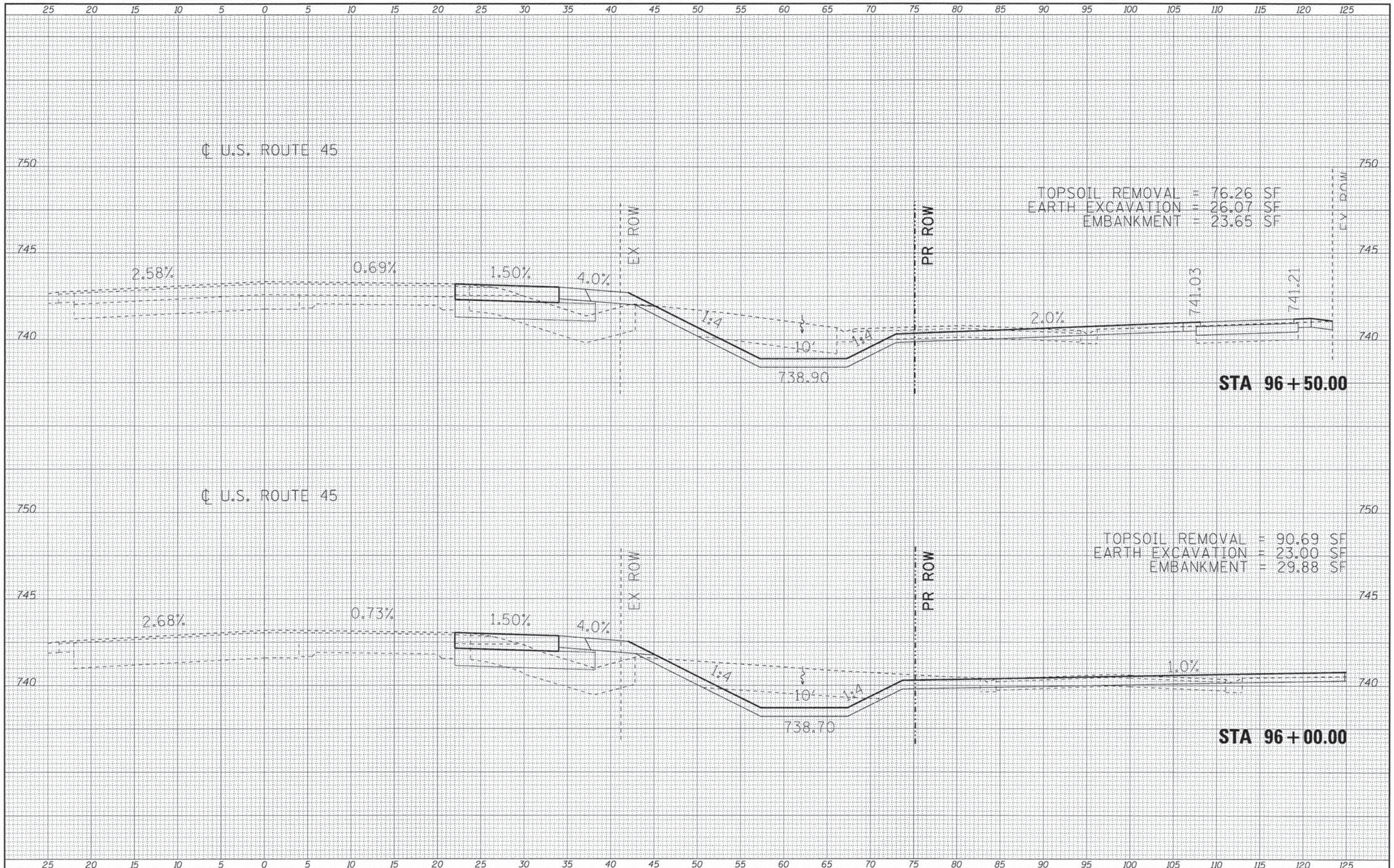
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45
CROSS SECTIONS

SCALE: 1"=5'H | SHEET 9 OF 26 SHEETS | STA. 95+42.00 TO STA. 95+50.00

F.A.P. F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	54
		CONTRACT NO. 91475		

FED. ROAD DIST. NO. 5 | ILLINOIS | FED. AID PROJECT M-5059(105)



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

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

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Default	PLOT DATE = 12/9/2014	DATE - 12-5-14	REVISED -

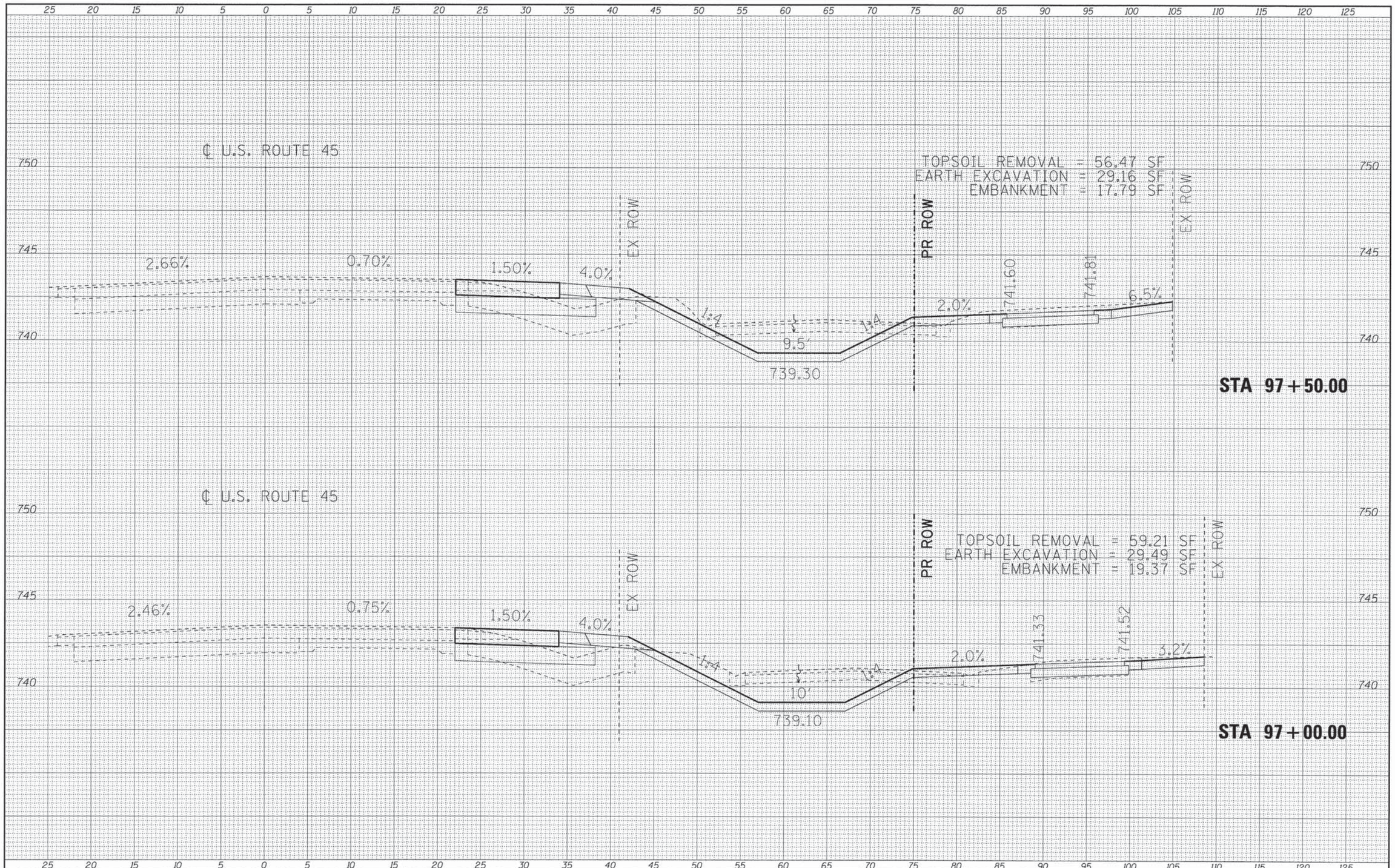
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45
CROSS SECTIONS

SCALE: 1"=5'H | SHEET 10 OF 26 SHEETS | STA. 96+00.00 TO STA. 96+50.00

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	55
		CONTRACT NO. 91475		

FED. ROAD DIST. NO. 5 | ILLINOIS | FED. AID PROJECT M-5059(105)



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

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

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Default	PLOT DATE = 12/9/2014	DATE - 12-5-14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

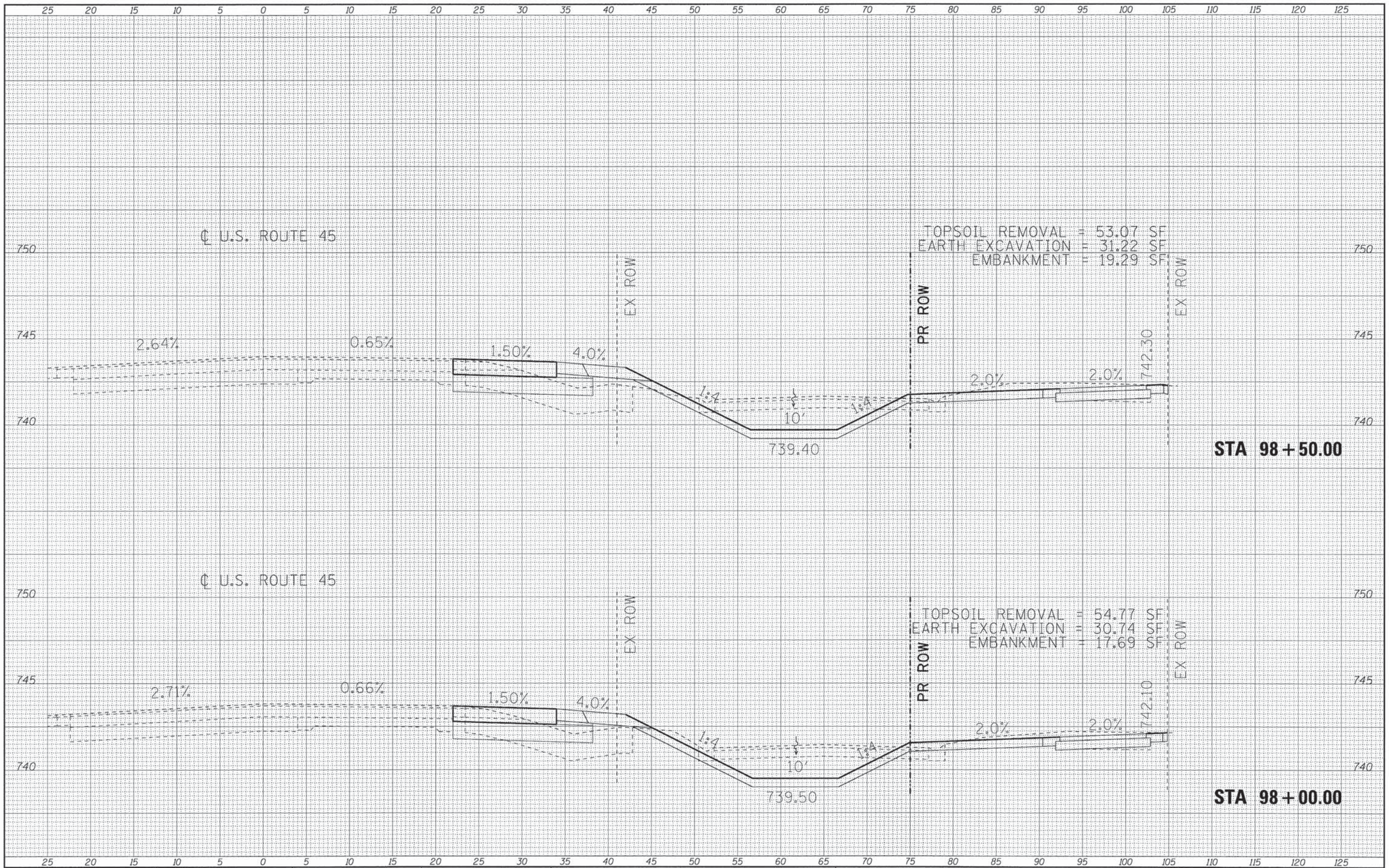
US ROUTE 45
CROSS SECTIONS

SCALE: 1"=5'H | SHEET 11 OF 26 SHEETS | STA. 97+00.00 | TO STA. 97+50.00

F.A.P. / F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	56
		CONTRACT NO. 91475		

FED. ROAD DIST. NO. 5 | ILLINOIS | FED. AID PROJECT M-5059(105)

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



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

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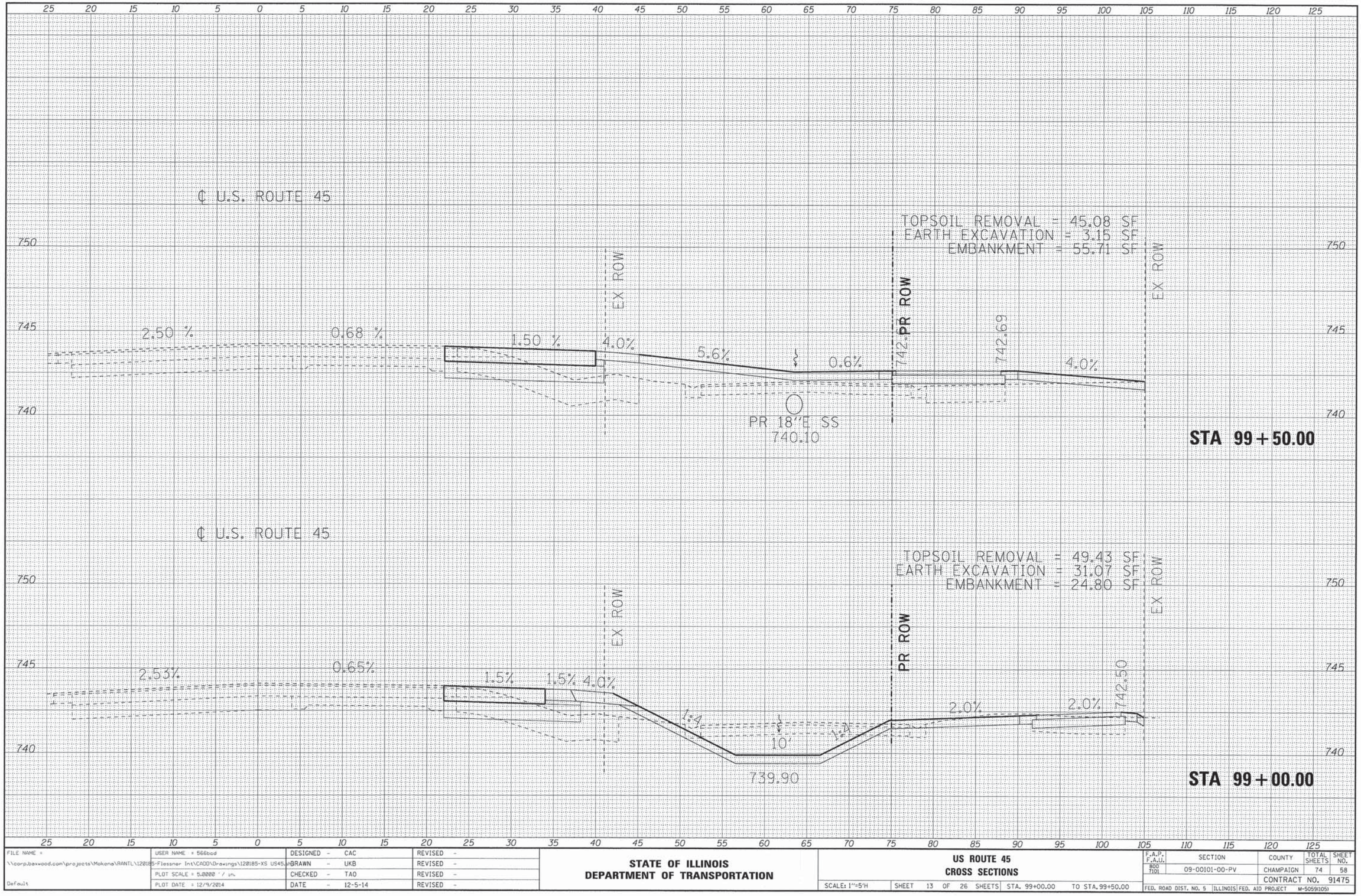
Default	PLOT DATE = 12/9/2014	DATE - 12-5-14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45
CROSS SECTIONS

SCALE: 1"=5'H | SHEET 12 OF 26 SHEETS | STA. 98+00.00 | TO STA. 98+50.00

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	57
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		



FINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY — NOTE BOOK — NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

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		DRAWN - UKB	REVISED -
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	PLOT DATE = 12/9/2014	DATE - 12-5-14	REVISED -

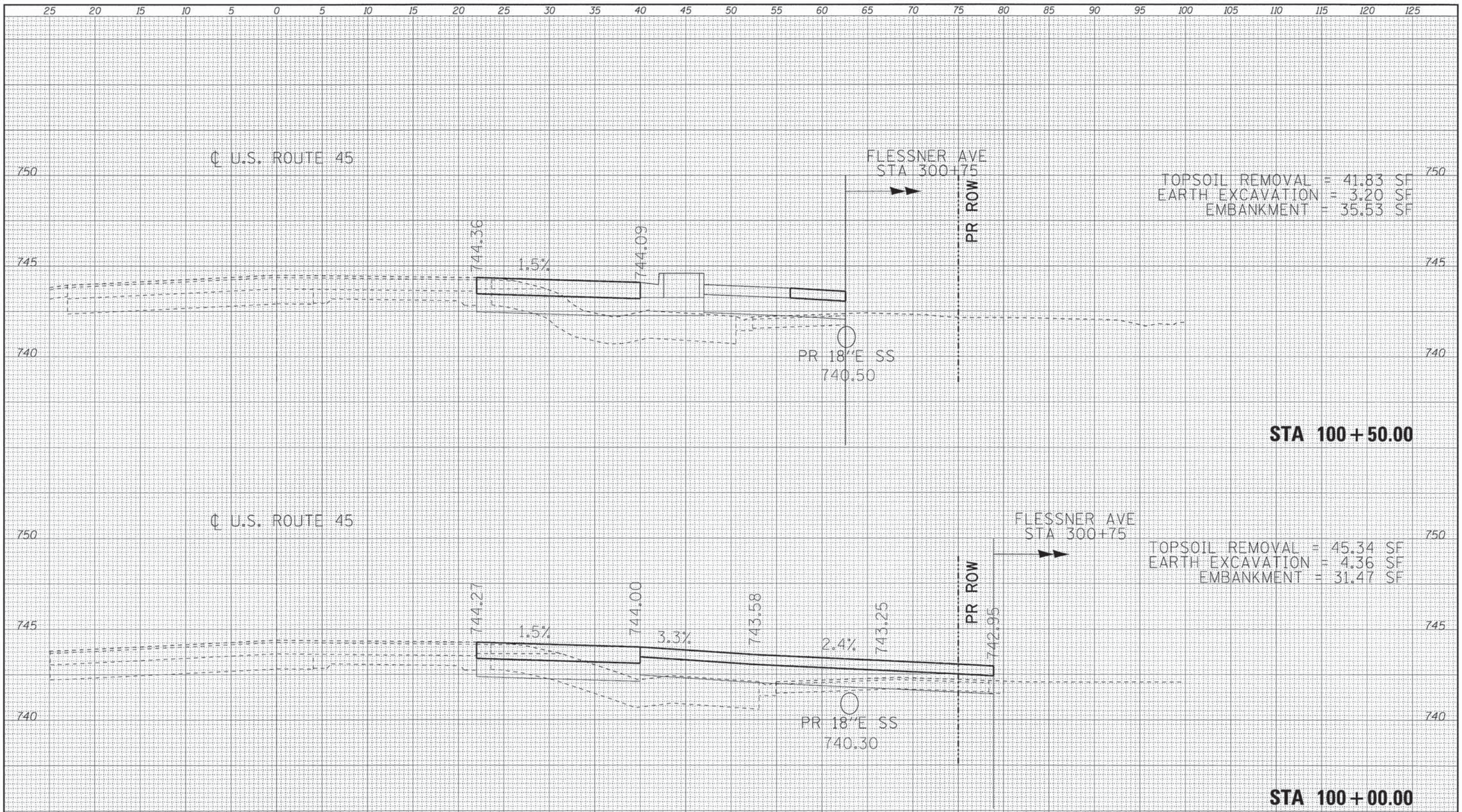
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45
CROSS SECTIONS

SCALE: 1"=5'H | SHEET 13 OF 26 SHEETS | STA. 99+00.00 TO STA. 99+50.00

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	58
		CONTRACT NO. 91475		

FED. ROAD DIST. NO. 5 | ILLINOIS | FED. AID PROJECT M-5059(105)



FINAL SURVEY NOTE BOOK	SURVEYED	BY	DATE
	PLOTTED		
	TEMP. SITE		
NO.	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY NOTE BOOK	SURVEYED	BY	DATE
	PLOTTED		
	TEMP. SITE		
NO.	AREAS		
	AREAS CHECKED		

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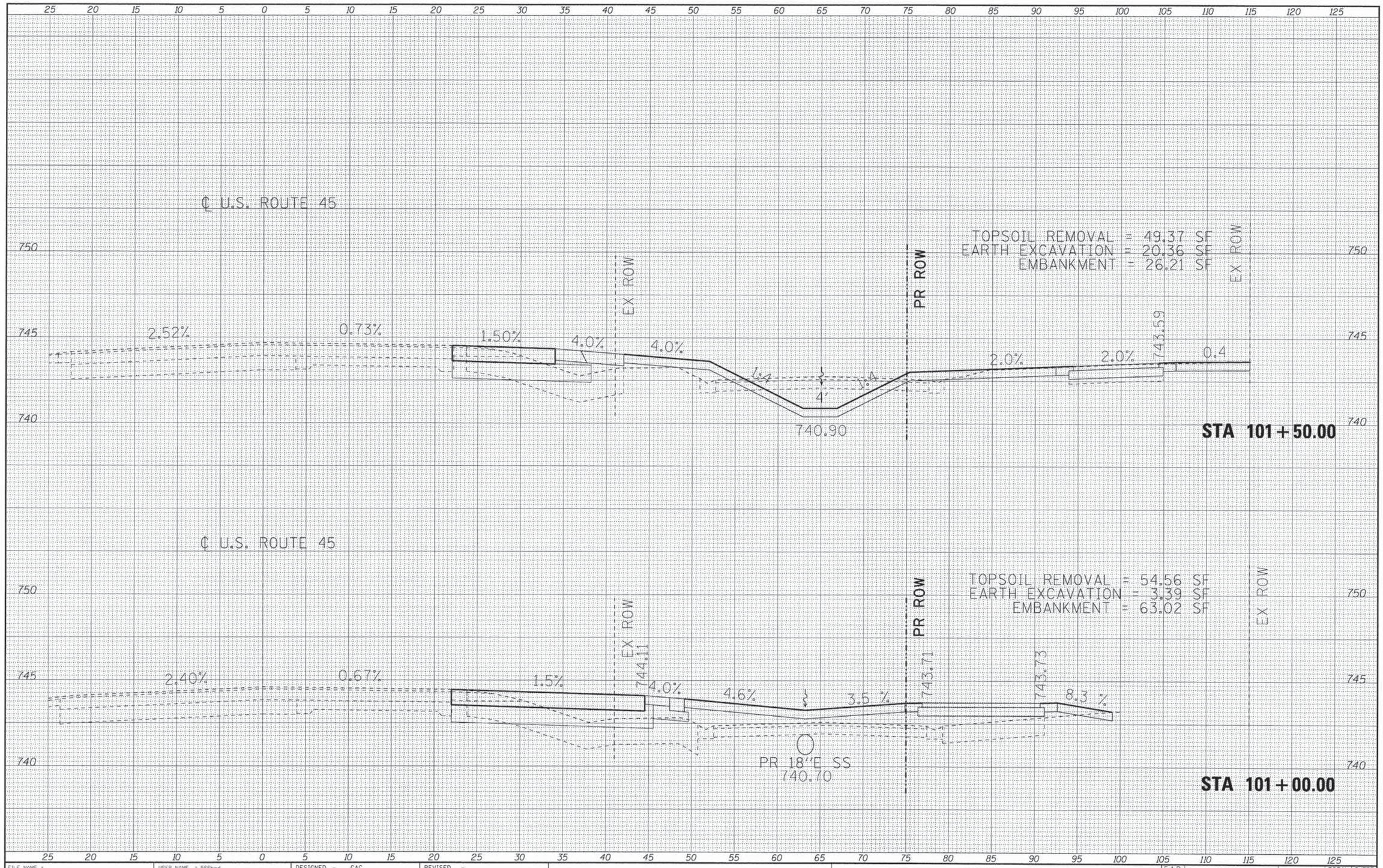
Default	PLOT DATE = 12/9/2014	DATE - 12-5-14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45
CROSS SECTIONS

SCALE: 1"=5'H | SHEET 14 OF 26 SHEETS | STA. 100+00.00 | TO STA. 100+50.00

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	59
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		



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

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

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Default	PLOT SCALE = 5.0000 ' / in.	CHECKED - TAO	REVISED -
	PLOT DATE = 12/9/2014	DATE - 12-5-14	REVISED -

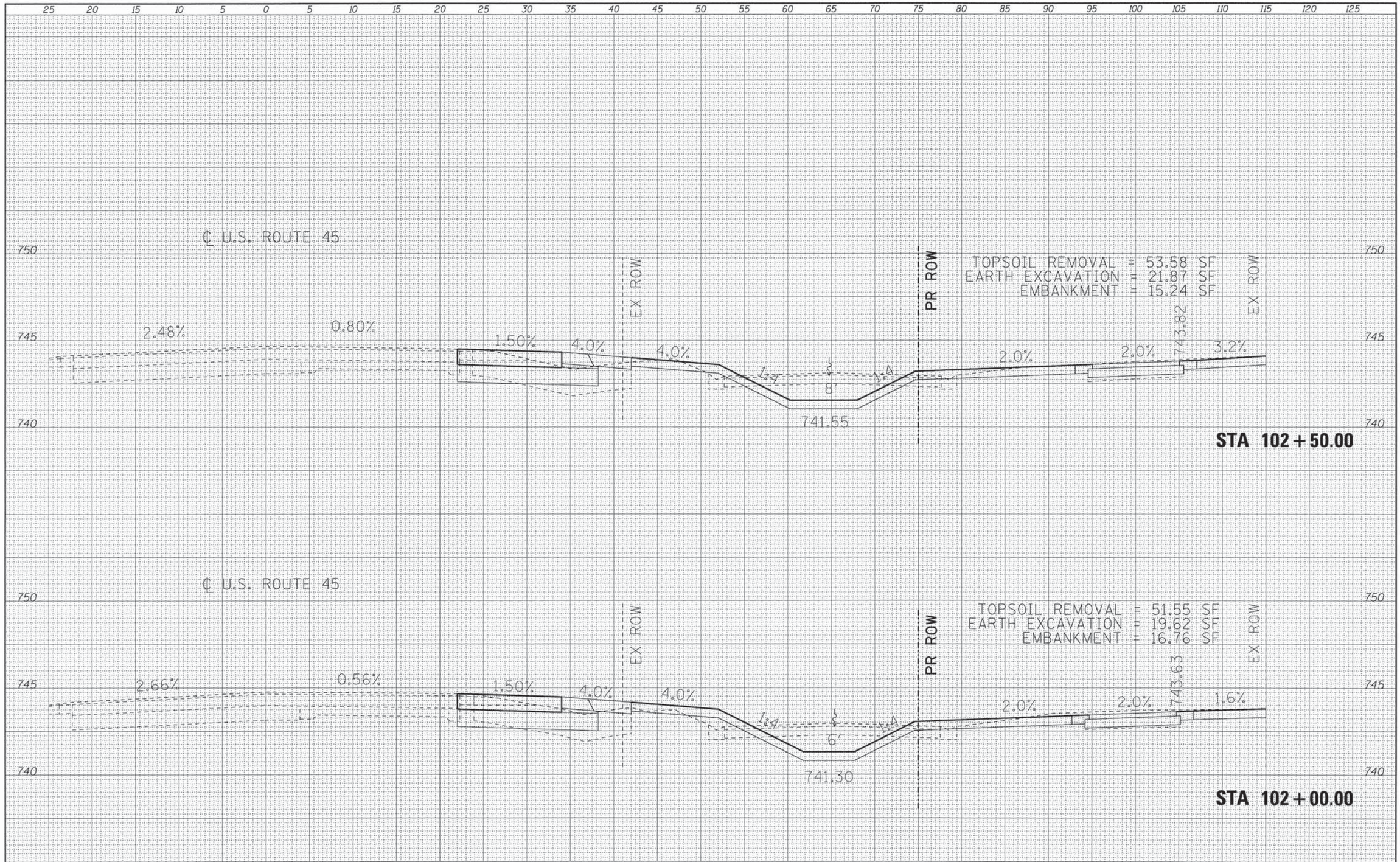
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45
CROSS SECTIONS

SCALE: 1"=5'H | SHEET 15 OF 26 SHEETS | STA. 101+00.00 TO STA. 101+50.00

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	60
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		

FINAL SURVEY	NOTE BOOK	NO.
SURVEYED	BY	
PLOTTED		
TOPOGRAPHY		
AREAS		
AREAS CHECKED	DATE	



ORIGINAL SURVEY	NOTE BOOK	NO.
SURVEYED	BY	
PLOTTED		
TOPOGRAPHY		
AREAS		
AREAS CHECKED	DATE	

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Default	PLOT DATE = 12/9/2014	DATE - 12-5-14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

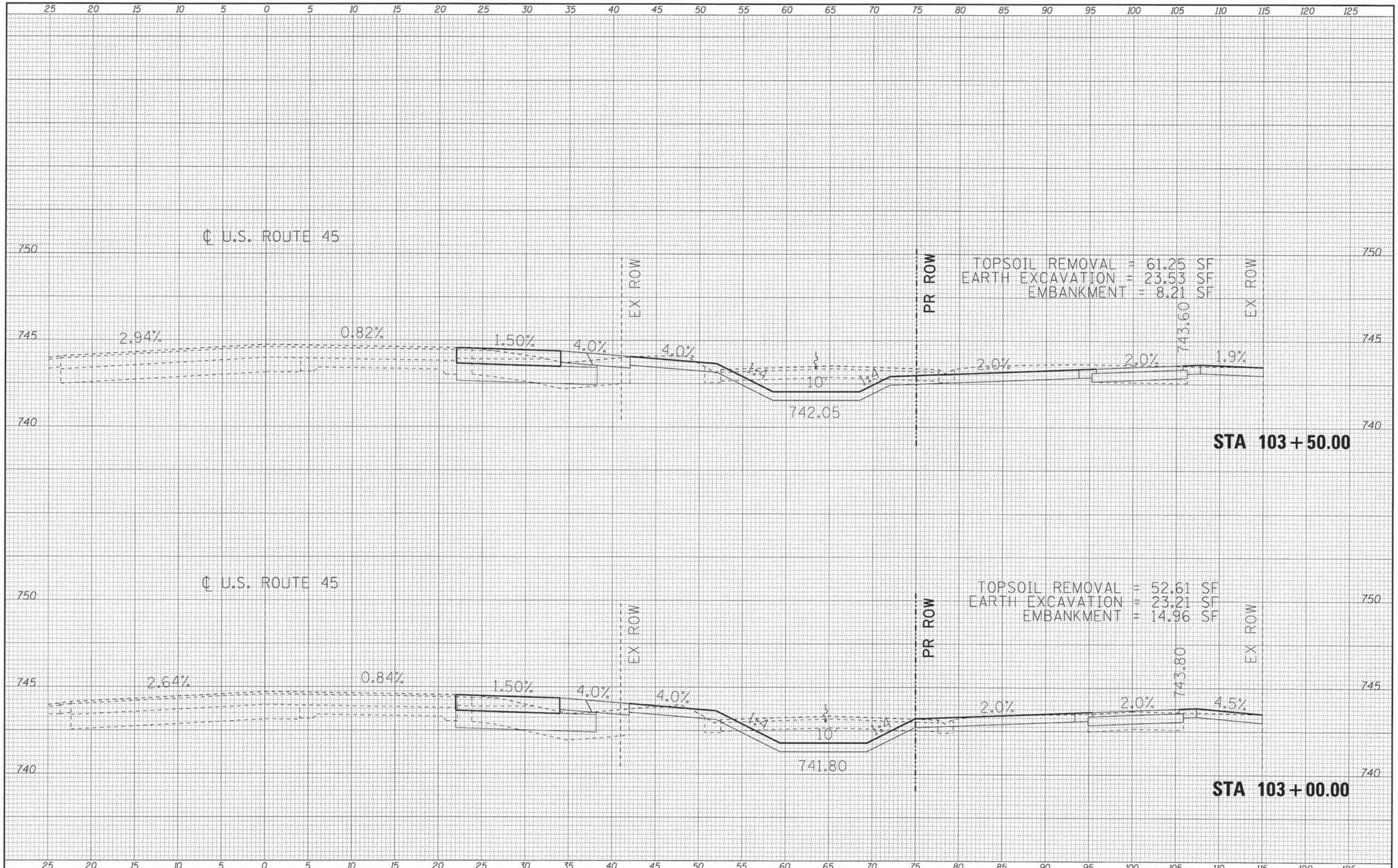
US ROUTE 45
CROSS SECTIONS

SCALE: 1"=5'H | SHEET 16 OF 26 SHEETS | STA. 102+00.00 TO STA.102+50.00

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	61
		CONTRACT NO. 91475		

FED. ROAD DIST. NO. 5 | ILLINOIS | FED. AID PROJECT M-5059(105)

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



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NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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	PLOT DATE = 12/9/2014	DATE - 12-5-14	REVISED -

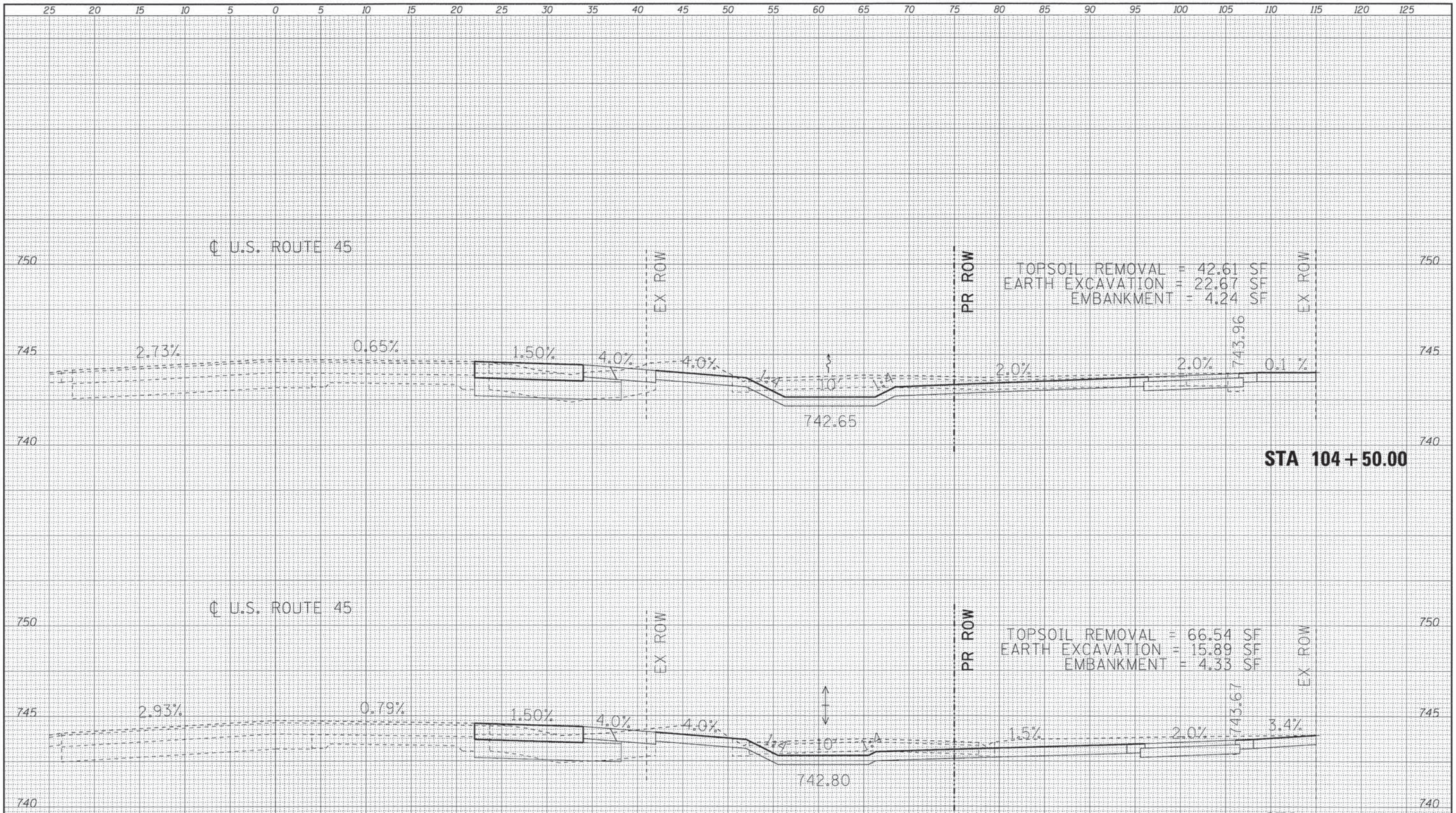
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45
CROSS SECTIONS

SCALE: 1"=5'H | SHEET 17 OF 26 SHEETS | STA. 103+00.00 TO STA. 103+50.00

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	62
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		

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



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NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	AREAS CHECKED		

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	PLOT DATE = 12/9/2014	CHECKED - TAO	REVISED -
		DATE - 12-5-14	REVISED -

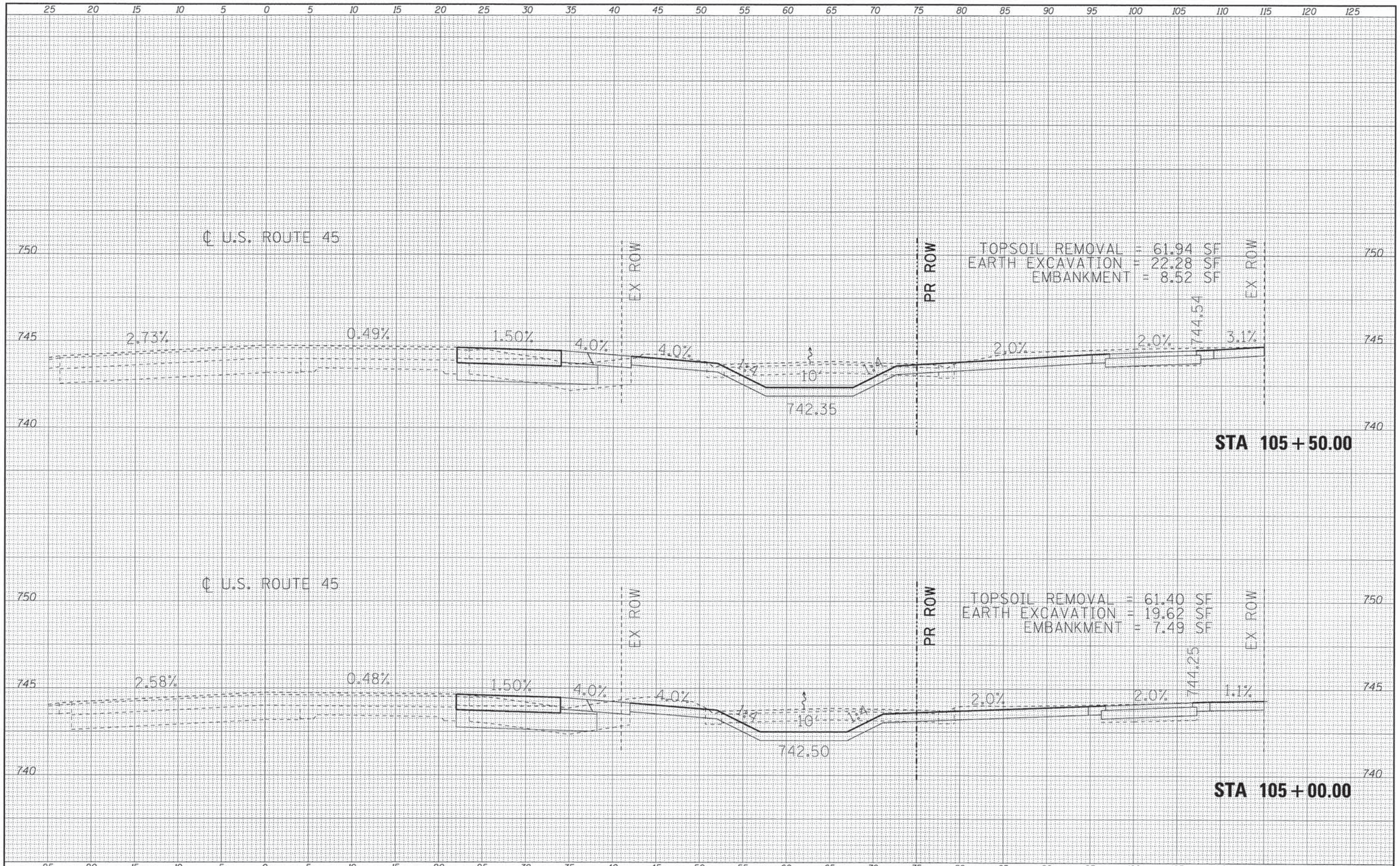
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45
CROSS SECTIONS

SCALE: 1"=5'H | SHEET 18 OF 26 SHEETS | STA. 104+00.00 TO STA. 104+50.00

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	63
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		

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



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

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Default	PLOT DATE = 12/9/2014	DATE - 12-5-14	REVISED -

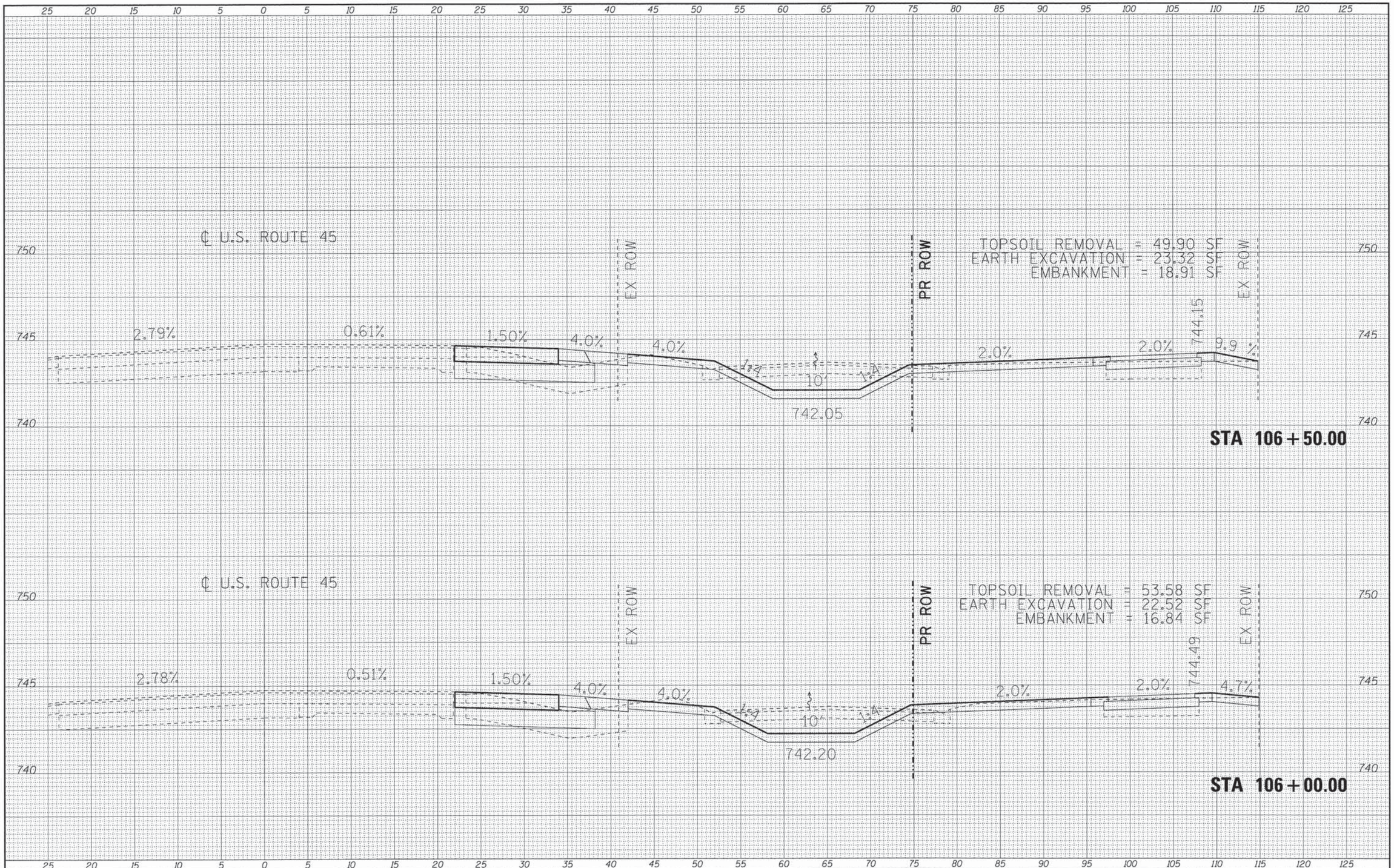
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45
CROSS SECTIONS

SCALE: 1"=5'H | SHEET 19 OF 26 SHEETS | STA. 105+00.00 TO STA. 105+50.00

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	64
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		

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



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

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Default	PLOT DATE = 12/9/2014	DATE - 12-5-14	REVISED -

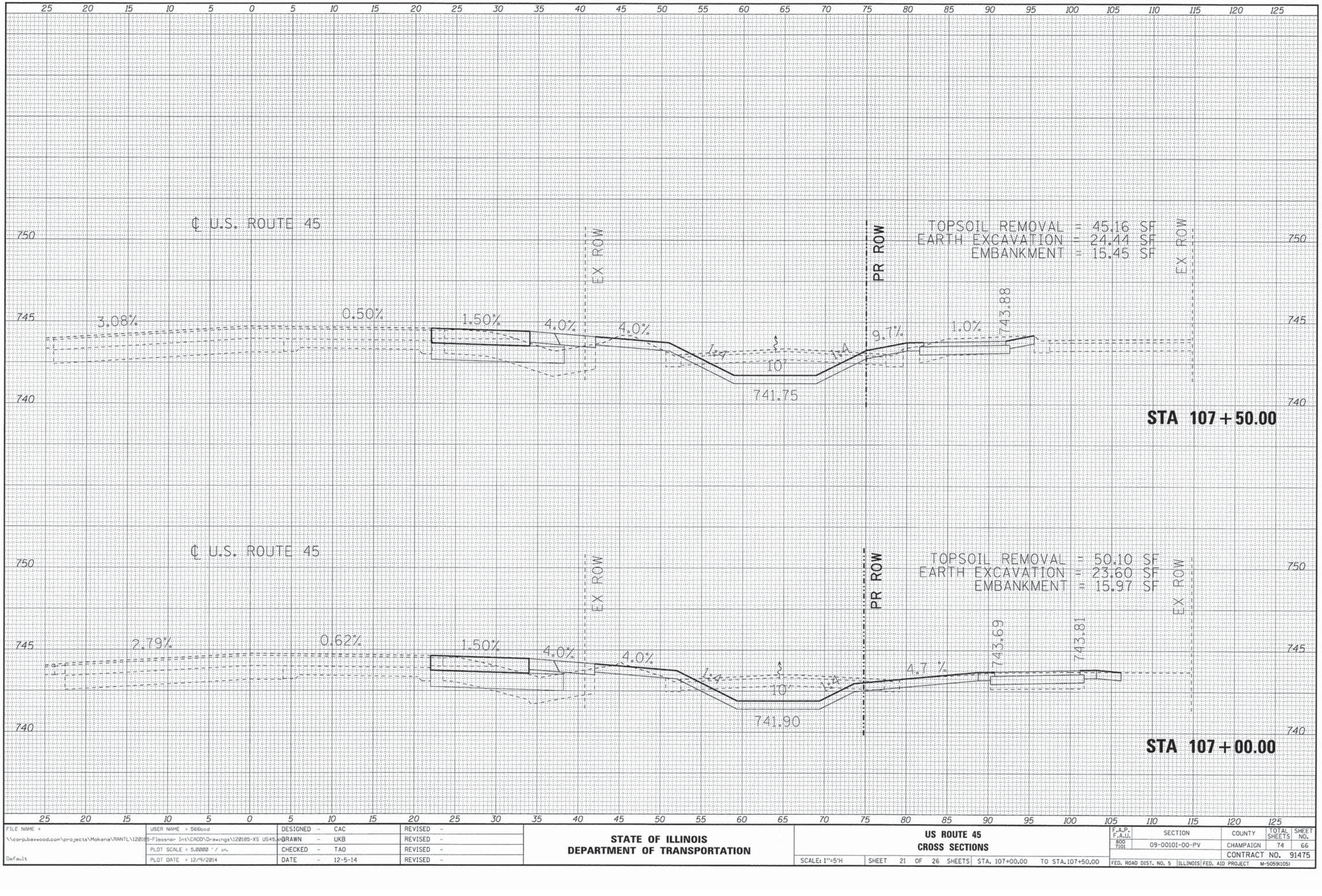
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45
CROSS SECTIONS

SCALE: 1"=5'H | SHEET 20 OF 26 SHEETS | STA. 106+00.00 | TO STA. 106+50.00

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	65
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		

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



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

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	PLOT SCALE = 5.0000 ' / in.	DRAWN - UKB	REVISED -	US ROUTE 45 CROSS SECTIONS
	PLOT DATE = 12/9/2014	CHECKED - TAO	REVISED -	SCALE: 1"=5'H SHEET 21 OF 26 SHEETS STA. 107+00.00 TO STA.107+50.00
		DATE - 12-5-14	REVISED -	FED. ROAD DIST. NO. 5 ILLINOIS FED. AID PROJECT M-5059(105)

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	66
		CONTRACT NO. 91475		

FINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TOPO ADJ.	
	AREAS	
	AREAS CHECKED	

25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125

℄ U.S. ROUTE 45

750 745 740

EX ROW

PR ROW

EX ROW

TOPSOIL REMOVAL = 33.05 SF
EARTH EXCAVATION = 31.21 SF
EMBANKMENT = 15.72 SF

2.86% 1.63% 1.50% 4.0% 4.0% 1:4 10' 1:4 1:7 1.0%

743.75

741.45

STA 108+50.00

ORIGINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
NO.	PLOTTED	
	TOPO ADJ.	
	AREAS	
	AREAS CHECKED	

25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125

℄ U.S. ROUTE 45

750 745 740

EX ROW

PR ROW

EX ROW

TOPSOIL REMOVAL = 34.68 SF
EARTH EXCAVATION = 30.78 SF
EMBANKMENT = 18.68 SF

3.00% 1.70% 1.50% 4.0% 4.0% 1:4 10' 1:4 1:7 1.0%

743.96

741.60

STA 108+00.00

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Default	PLOT DATE = 12/9/2014	DATE - 12-5-14	REVISED -

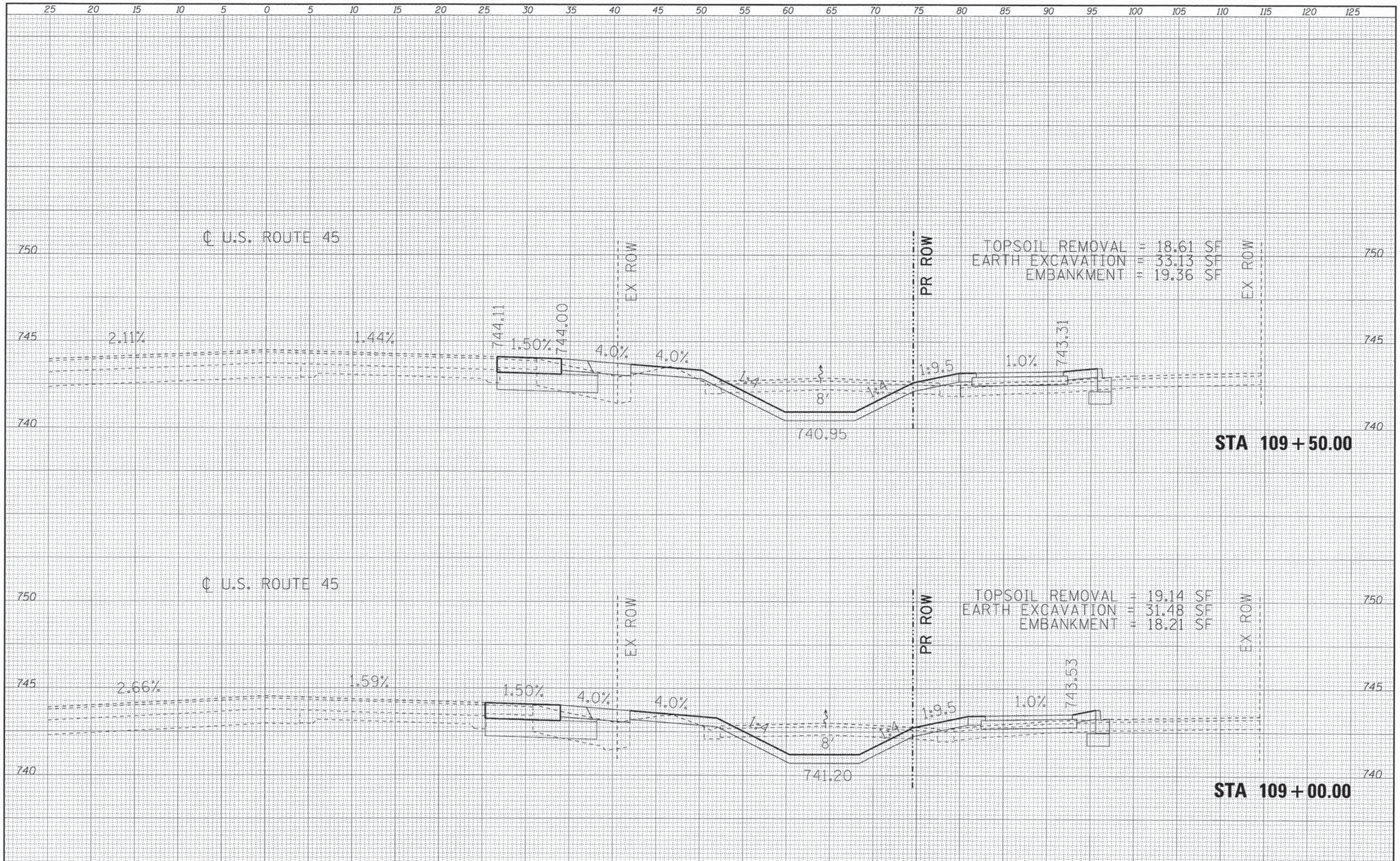
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45
CROSS SECTIONS

SCALE: 1"=5'H | SHEET 22 OF 26 SHEETS | STA. 108+00.00 TO STA. 108+50.00

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	67
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		

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



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

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Default	PLOT DATE = 12/9/2014	DATE - 12-5-14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

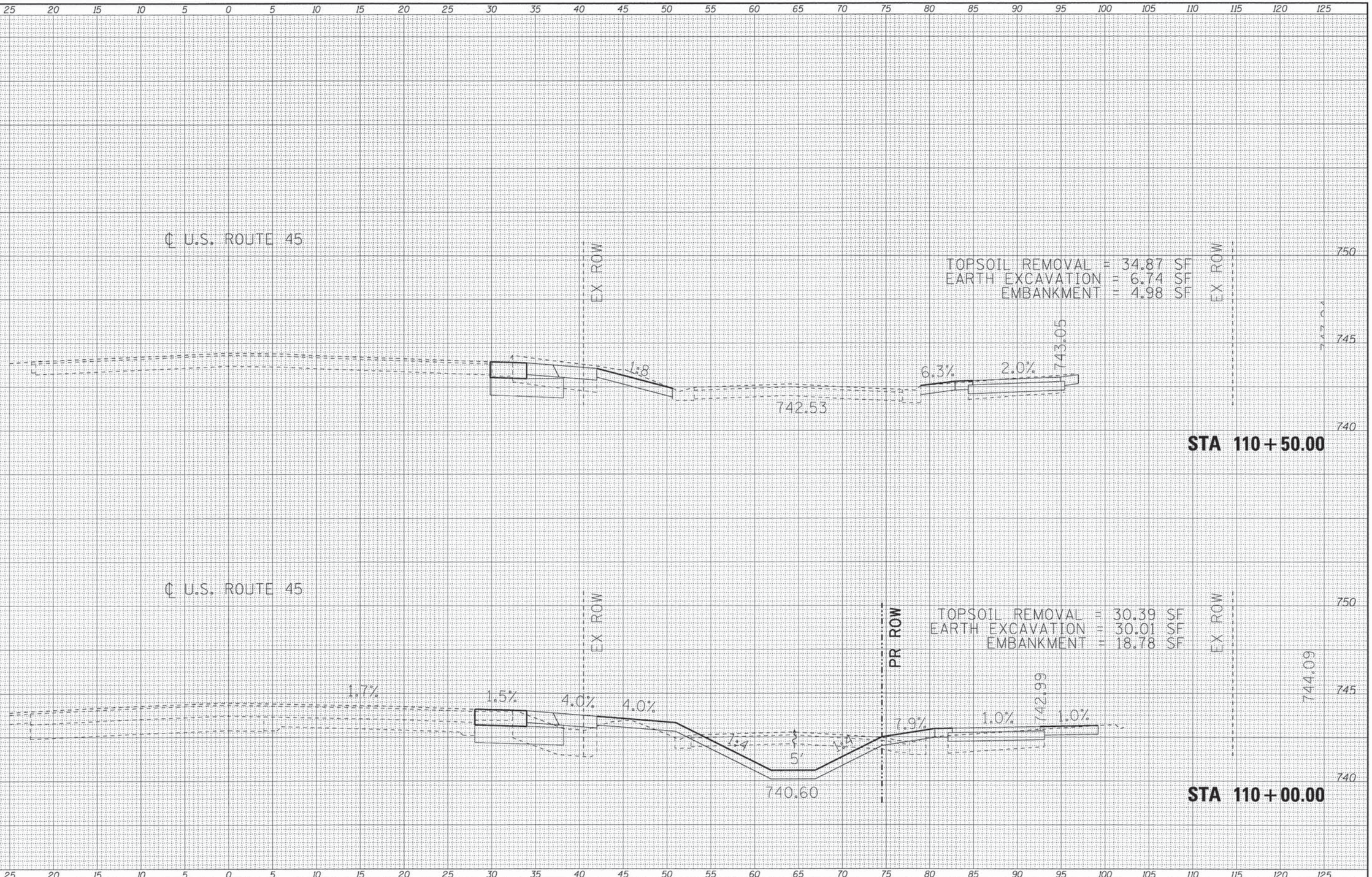
US ROUTE 45
CROSS SECTIONS

SCALE: 1"=5'H | SHEET 23 OF 26 SHEETS | STA. 109+00.00 TO STA. 109+50.00

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	68
		CONTRACT NO. 91475		

FED. ROAD DIST. NO. 5 | ILLINOIS | FED. AID PROJECT M-5059(105)

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



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

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Default	PLOT DATE = 12/9/2014	DATE - 12-5-14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

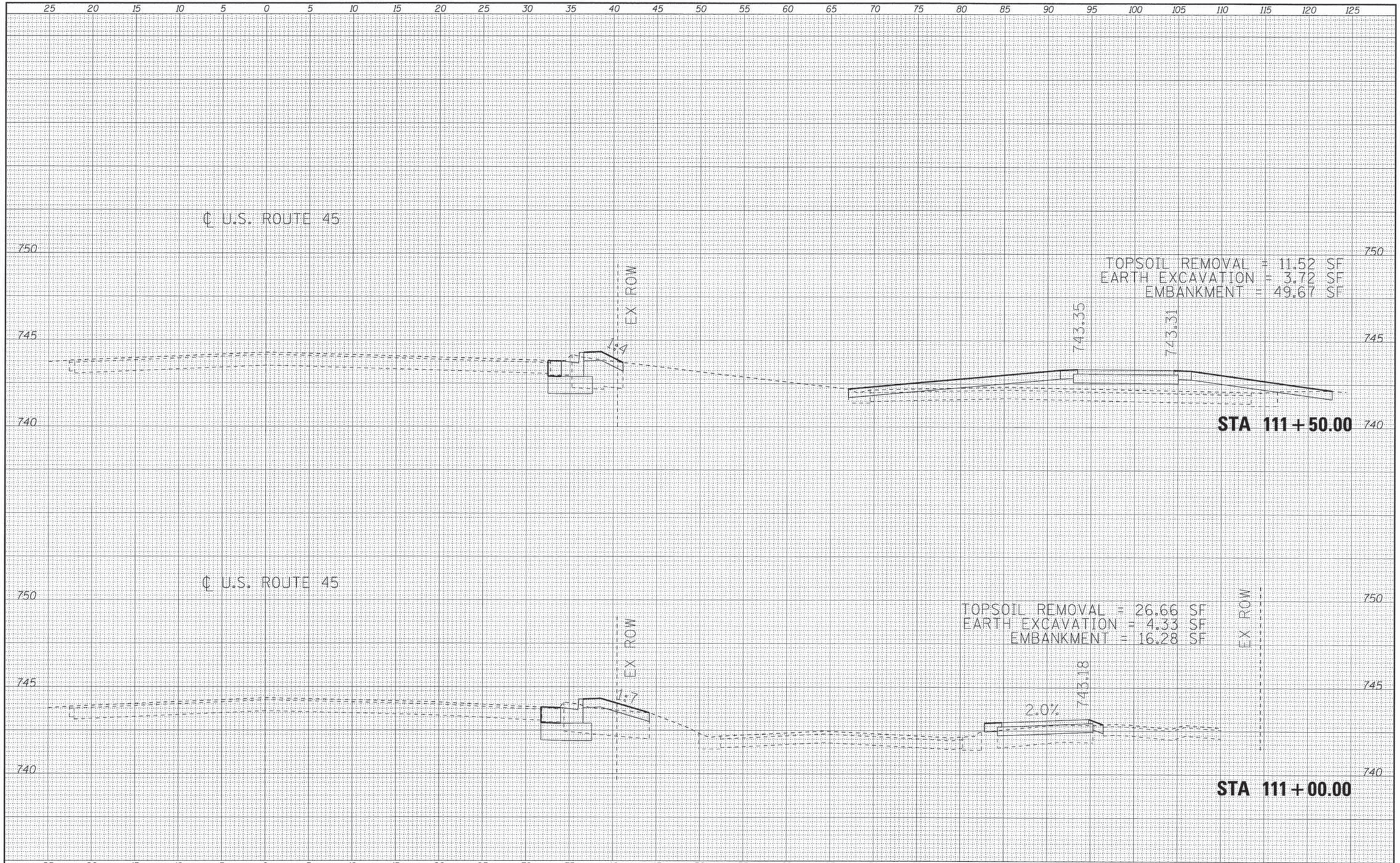
US ROUTE 45
CROSS SECTIONS

SCALE: 1"=5'H | SHEET 24 OF 26 SHEETS | STA. 110+00.00 | TO STA. 110+50.00

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	69
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		

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

BY	DATE



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

BY	DATE

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Default	PLOT DATE = 12/9/2014	DATE - 12-5-14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45
CROSS SECTIONS

SCALE: 1"=5'H | SHEET 25 OF 26 SHEETS | STA. 111+00.00 | TO STA. 111+50.00

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	70
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		

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

25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125

℄ U.S. ROUTE 45

750

745

740

TOPSOIL REMOVAL = 0.00 SF
EARTH EXCAVATION = 0.00 SF
EMBANKMENT = 0.00 SF

STA 112+50.00

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

℄ U.S. ROUTE 45

750

745

740

EX ROW

1:2

TOPSOIL REMOVAL = 7.31 SF
EARTH EXCAVATION = 4.04 SF
EMBANKMENT = 4.64 SF

STA 112+00.00

25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125

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Default	PLOT DATE = 12/9/2014	DATE - 12-5-14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45
CROSS SECTIONS

SCALE: 1"=5'H | SHEET 26 OF 26 SHEETS | STA. 112+00.00 | TO STA. 112+50.00

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ROD 7101	09-00101-00-PV	CHAMPAIGN	74	71
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	LEVELED		
	AREAS		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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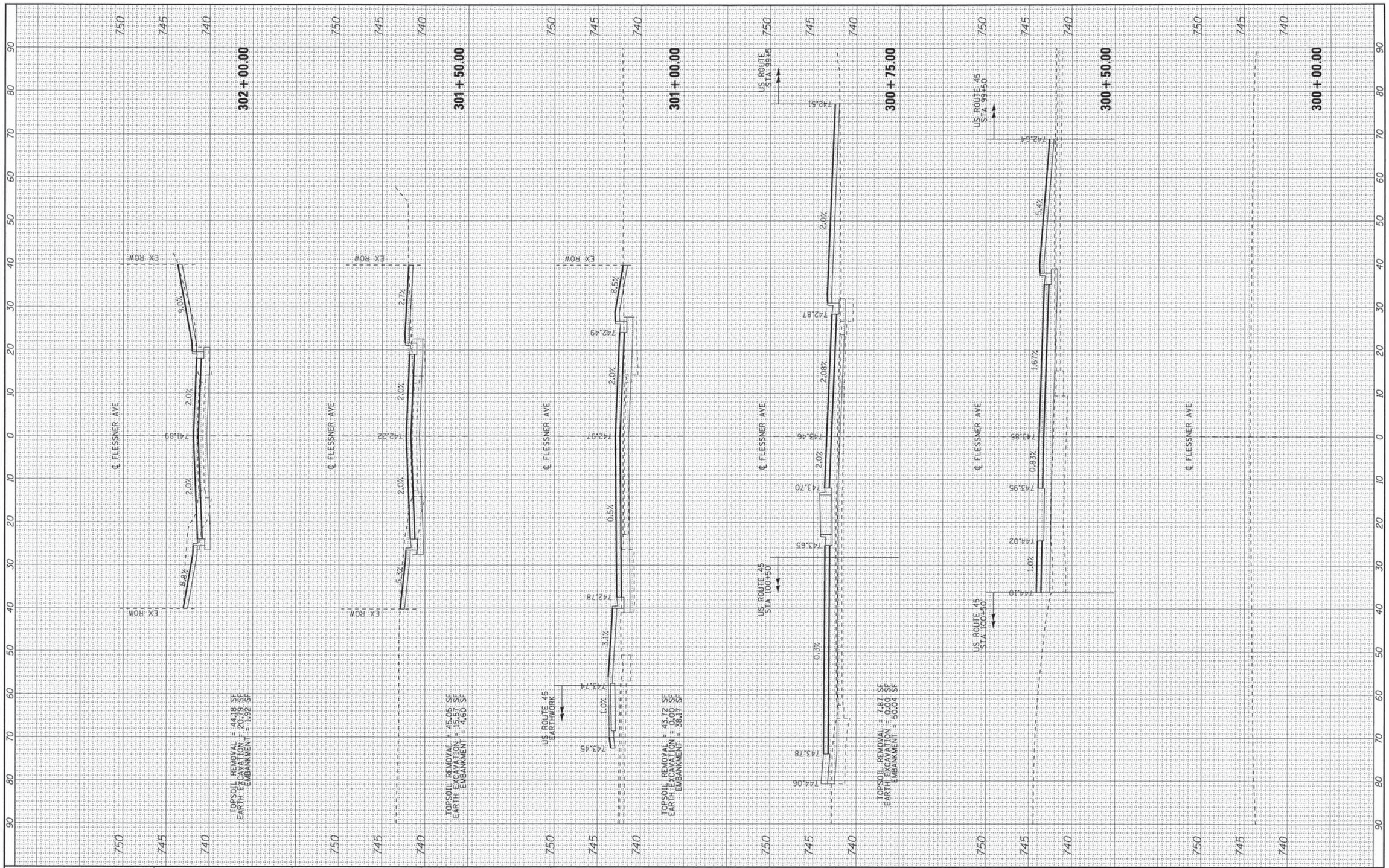
	AREAS		
	AREAS CHECKED		



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Default	PLOT DATE = 12/9/2014	DATE - 12-5-14	REVISED -

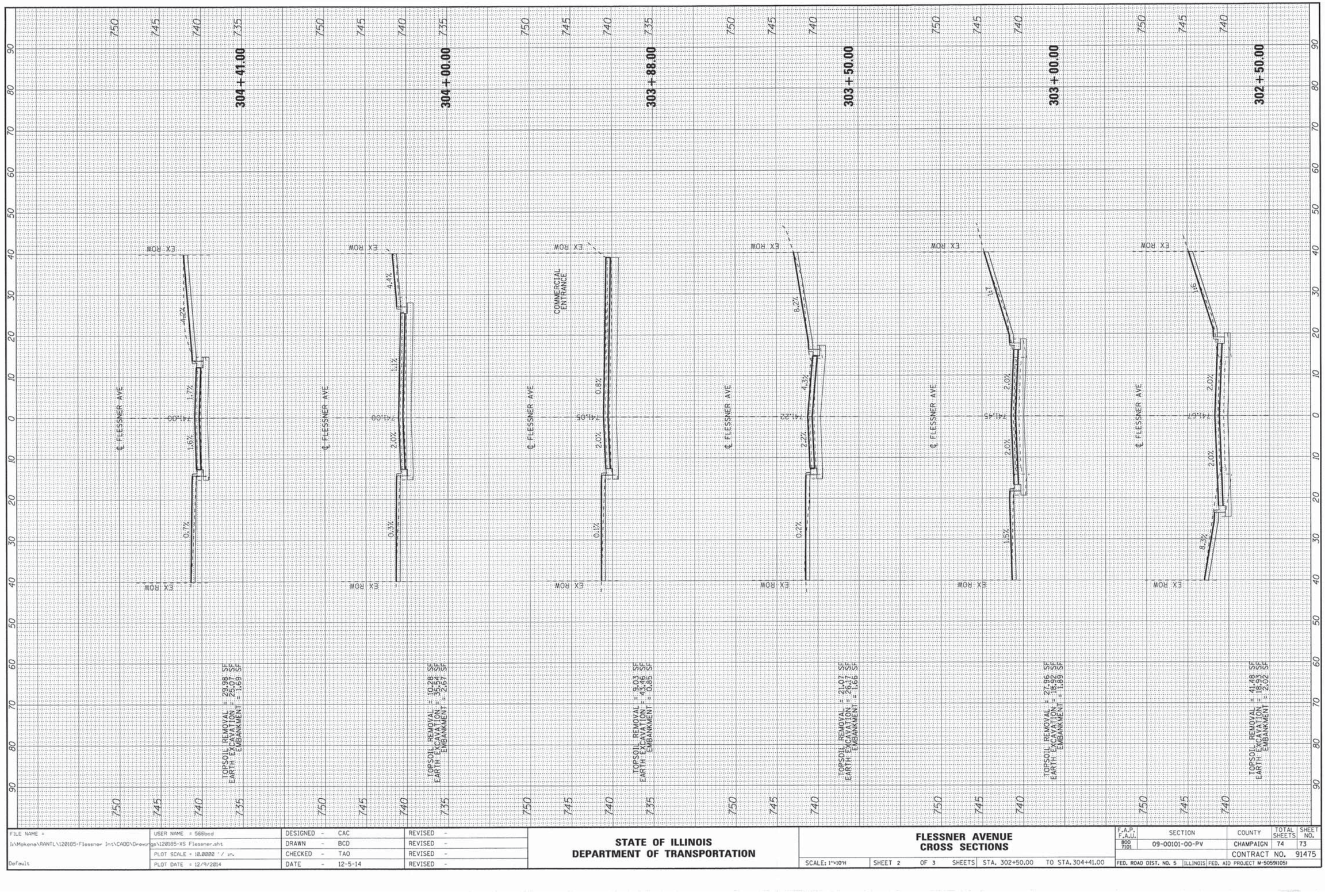
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FLESSNER AVENUE
CROSS SECTIONS

SCALE: 1"=10'H | SHEET 1 OF 3 SHEETS | STA. 300+00.00 TO STA. 302+00.00

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	72
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		

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



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

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Default	PLOT DATE = 12/9/2014	DATE - 12-5-14	REVISED -

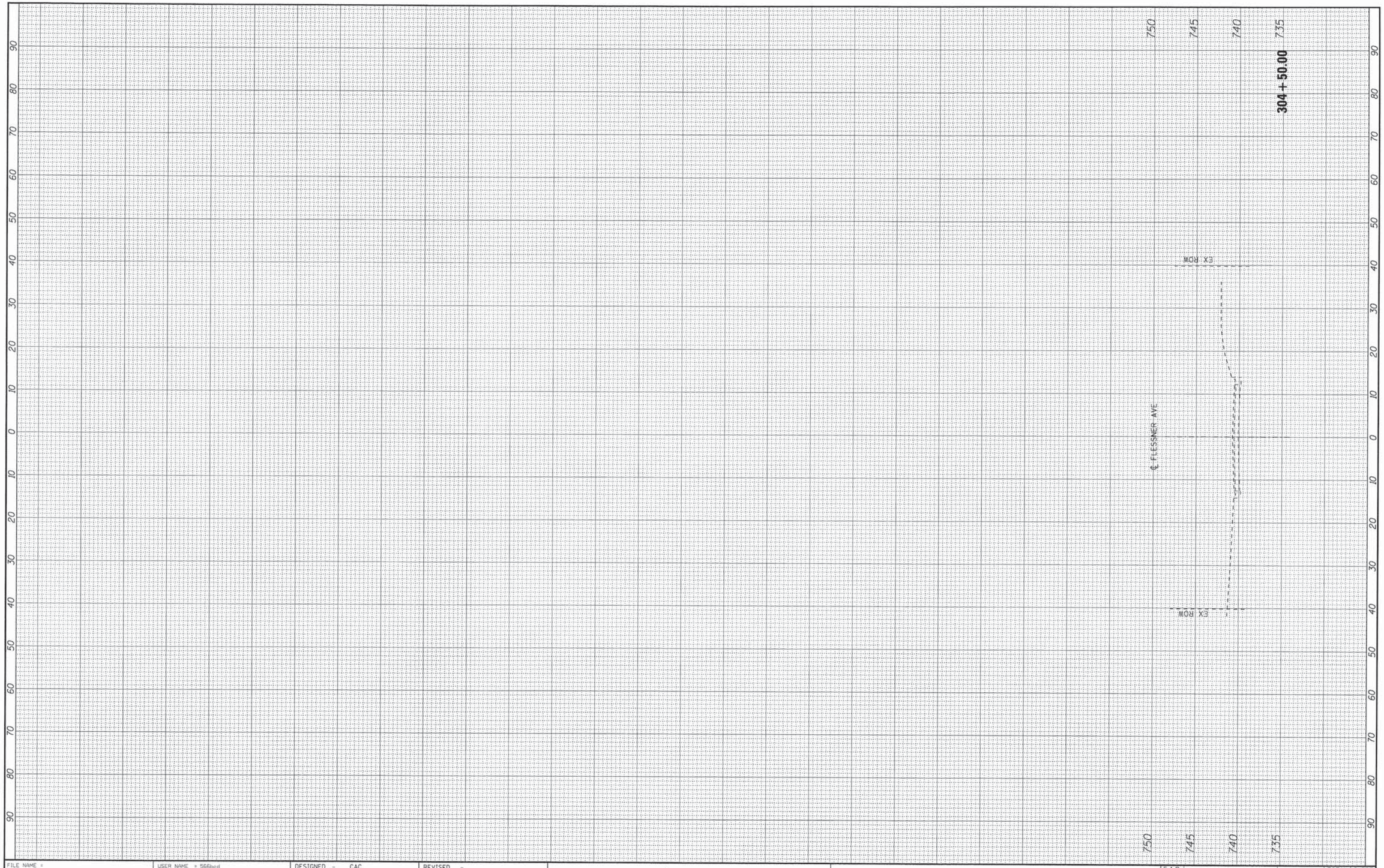
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FLESSNER AVENUE
CROSS SECTIONS

SCALE: 1"=10'H | SHEET 2 OF 3 SHEETS | STA. 302+50.00 TO STA. 304+41.00

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 7101	09-00101-00-PV	CHAMPAIGN	74	73
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		

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



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

FILE NAME = I:\Makena\RANTL\120185-Flessner Int\CADD\Drawings\120185-XS Flessner.sht	USER NAME = 566bad	DESIGNED - CAC	REVISED -
		DRAWN - BAD	REVISED -
Default	PLOT SCALE = 10.0000 ' / in.	CHECKED - TAO	REVISED -
	PLOT DATE = 12/9/2014	DATE - 12-5-14	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FLESSNER AVENUE
CROSS SECTIONS

SCALE: 1"=10'H | SHEET 3 OF 3 SHEETS | STA. 304+50.00 TO STA. 304+50.00

F.A.P. F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
800 (10)	09-00101-00-PV	CHAMPAIGN	74	74
		CONTRACT NO. 91475		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT M-5059(105)		