

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	1

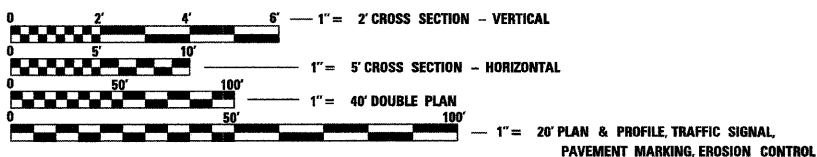
• FAU ROUTE 6176 (ARMOUR ROAD)
 •• SECTION (79)W&RS & 140RS
 P-93-062-02
 D-93-043-05

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

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

DISTRICT 3 NO. (815) 434-6131

PROJECT ENGINEER: JOE KANNEL
 UNIT CHIEF: MICHELE LINDEMANN
 TOWNSHIP: BOURBONNAIS

CONTRACT NO. 66560

MICROFILMED _____
 REEL NUMBER _____
 AWARDED _____
 RESIDENT ENGINEER _____
 AS BUILT CHANGES WERE MADE
 ON THE FOLLOWING SHEETS _____

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

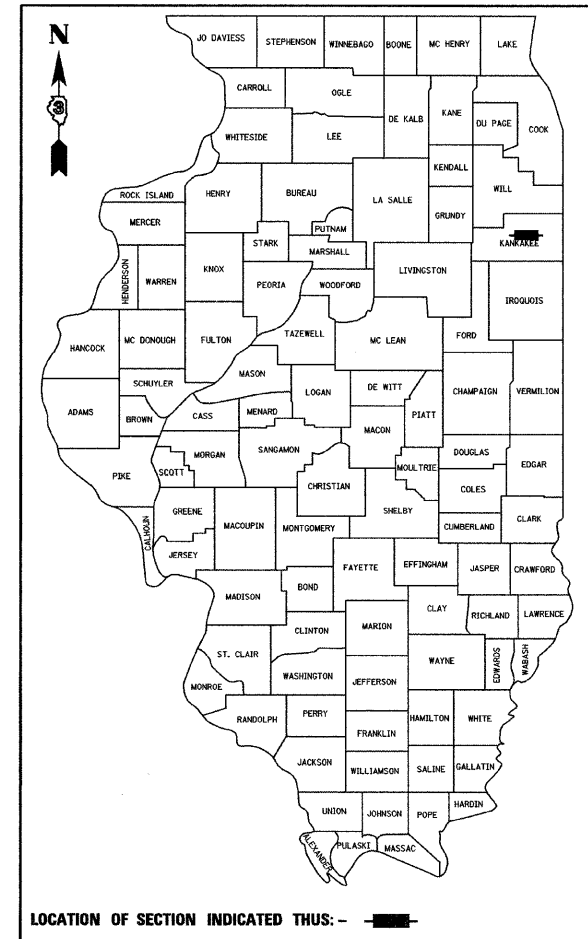
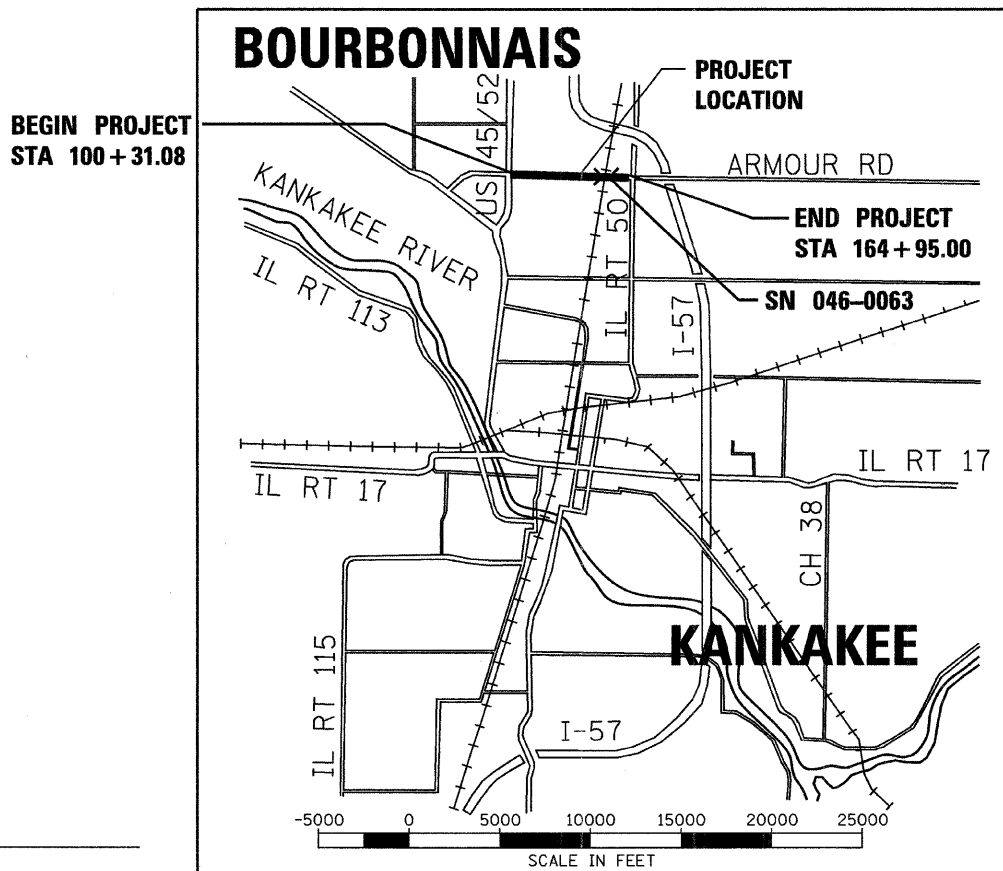
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
 FEDERAL AID HIGHWAY

FAU ROUTE 6176 (ARMOUR ROAD)
 SECTION (79)W&RS & 140RS
 PROJECT E SP-6176(002)
 KANKAKEE COUNTY

C - 93 - 066 - 05

THE PROJECT CONSISTS OF WIDENING AND RESURFACING FAU 6176 (ARMOUR ROAD) FROM US 45/52 TO EAST OF MOONEY DRIVE AND RESURFACING ONLY FROM EAST OF MOONEY DRIVE TO ILL. RTE. 50 EXCEPT ACROSS SN 046-0063. THROUGHOUT THE LENGTH TO BE WIDENED, NEW STORM SEWER WILL BE CONSTRUCTED TO SUPPLEMENT THE EXISTING. GUARD RAIL WILL BE REMOVED AND REPLACED AT THE APPROACHES TO SN 046-0063 TO CONFORM TO DEPARTMENT POLICY. WORK WILL ALSO INCLUDE EXTENSION OF THE 8' X 5' BOX CULVERT UNDER ARMOUR ROAD NEAR COUNTRY COURT, AND TRAFFIC SIGNAL REPLACEMENT AND MODIFICATION.



FAU ROUTE 6176 (ARMOUR ROAD)
 FUNCTIONAL CLASSIFICATION: URBAN MINOR ARTERIAL

ADT = 22400 (2005)
 PV = 95.1%
 MV = 1.4%
 SV = 3.5%

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED 02-13 20 09

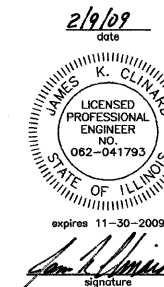
George F. Ryan
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 27, 20 09

Charles J. Ingersoll
 ENGINEER OF DESIGN AND ENVIRONMENT

March 27, 20 09

Christine M. Reed
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER



PROFESSIONAL DESIGN FIRM
 LICENSE NO. 184-001717
 CHAWLIN & ASSOCIATES

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

FAU- RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	2
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT		

• FAU ROUTE 6176 (ARMOUR ROAD)
• SECTION (79)W&RS & 140RS

GENERAL NOTES:

THE THICKNESS OF H.M.A. MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.

THE H.M.A. SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SAW CUT THE BITUMINOUS SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE BITUMINOUS SURFACE.

THE BASE COURSE WIDENING SHALL BE CARRIED THROUGH ALL ENTRANCES, SIDE ROADS, AND MAILBOX TURNOUTS. EXCEPTIONS WILL BE SHOWN ON THE PLANS.

EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

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

AGGREGATE (PRIME COAT): FA 20 MAY BE USED IN ADDITION TO THE GRADATIONS LISTED IN THE 3RD PARAGRAPH OF ARTICLE 1003.03(c) OF THE STANDARD SPECIFICATIONS.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS BITUMINOUS LIFTS.

FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.

SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.

THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

FOR NEW CONSTRUCTION, PLACE SIDEWALK RAMPS FOR THE HANDICAPPED (STANDARD 424001) AT ALL LOCATIONS WHERE PROPOSED SIDEWALK ABUTS CURB AT STREET ENTRANCES.

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

ADDITIONAL LEVELING BINDER, SHOWN ON THE TYPICAL SECTIONS, HAS BEEN ADDED TO THE QUANTITIES TO CORRECT TO A 2.0% CROWN ON SECTIONS OF EXISTING ROADWAYS.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED ON THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
BITUMINOUS MAT PRIME COAT	0.08	GAL / SQ YD OR
	0.375	GAL / SQ YD
AGGREGATE PRIME COAT	0.002	TONS / SQ YD
HOT-MIX ASPHALT RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT / 100 FT OF APPLICATION
MIX FOR CRACK, JTS & FLGWYS	0.0003	TONS / SQ YD
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SQ YD
SUPPLEMENTAL WATERING	3	GAL / SQ YD / APPLICATION
CALCIUM CHLORIDE	2	LB / SQ YD / APPLICATION
TEMPORARY DITCH CHECKS	7	BALES OR
	5	TONS AGGREGATE

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PRESENCE OF DEPARTMENT-OWNED UNDERGROUND ELECTRICAL CABLE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR SHALL REQUEST THE ILLINOIS DEPARTMENT OF TRANSPORTATION IN OTTAWA (815-434-8417) TO LOCATE THE UNDERGROUND FACILITIES, PROVIDING A MINIMUM OF 72 HOURS NOTICE. THE DEPARTMENT IS NOT A MEMBER OF THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (JULIE) SYSTEM.

ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE SHALL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

THE COST OF MAKING ANY SEWER CONNECTIONS TO AN EXISTING DRAINAGE STRUCTURE OR PIPE SHALL BE INCLUDED IN THE COST OF THE NEW SEWER.

UNLESS OTHERWISE NOTED REMOVAL OF DRIVEWAY SURFACES OTHER THAN PCC SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

- AT&T
- AQUA AMERICA
- COMCAST CABLEVISION
- COMMONWEALTH EDISON
- NICOR GAS
- VILLAGE OF BOURBONNAIS
- VILLAGE OF BRADLEY

COMMITMENTS:

THE ENTRANCES AT 857 ARMOUR ROAD SHALL BE CONSTRUCTED ONE AT A TIME TO ENSURE ACCESS TO THE PROPERTY AT ALL TIMES.

THE VILLAGE OF BOURBONNAIS HAS APPROVED KROGER TRUCK TRAFFIC TO USE OF EDGEMERE DRIVE FOR ACCESS TO KROGERS WHILE THE WEST ENTRANCE IS CLOSED.

THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF BOURBONNAIS AT LEAST 14 CALENDAR DAYS BEFORE CLOSING EDGEMERE DRIVE.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: *Paul J. Smith*
DISTRICT STUDIES & PLANS ENGINEER

DATE: 2-13-09

EXAMINED BY: *Hubert K. Jung*
DISTRICT CONSTRUCTION ENGINEER

Wayne L. Phillips
DISTRICT MATERIALS ENGINEER

James A. Wuchner
DISTRICT OPERATIONS ENGINEER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES
FAU ROUTE 6176 (ARMOUR ROAD)
SEC (79)W&RS & 140RS
KANKAKEE COUNTY

SCALE: VERT. DRAWN BY KKP
 HORIZ. CHECKED BY JKC
DATE

URBAN Y031-1F

CONTRACT NO. 66560

Item No.	Item	Unit	Total	1000 ROADWAY	Y031-1F				SFTY-1B SIDEWALK	SFTY-2A BRIDGE RAIL
					TRAFFIC SIGNALS US 45/52	TRAFFIC SIGNALS EDMERE DRIVE	TRAFFIC SIGNALS FIRE DEPT.	TRAFFIC SIGNALS WASHINGTON /MOONEY		
20200100	EARTH EXCAVATION	CU YD	3350	3350	--	--	--	--	--	--
20800150	TRENCH BACKFILL	CU YD	308	308	--	--	--	--	--	--
* 25000210	SEEDING, CLASS 2A	ACRE	0.5	0.5	--	--	--	--	--	--
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	159	158	--	--	--	--	--	--
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	158	158	--	--	--	--	--	--
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	158	158	--	--	--	--	--	--
* 25100115	MULCH, METHOD 2	ACRE	0.4	0.4	--	--	--	--	--	--
* 25100630	EROSION CONTROL BLANKET	SQ YD	516	516	--	--	--	--	--	--
* 25200100	SODDING	SQ YD	9083	9083	--	--	--	--	--	--
* 25200200	SUPPLEMENTAL WATERING	UNIT	27	27	--	--	--	--	--	--
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	235	235	--	--	--	--	--	--
28000500	INLET AND PIPE PROTECTION	EACH	3	3	--	--	--	--	--	--
31100300	SUB-BASE GRANULAR MATERIAL, TYPE A 4'	SQ YD	8485	8485	--	--	--	--	--	--
35300500	PORTLAND CEMENT BASE COURSE 10'	SQ YD	4948	4948	--	--	--	--	--	--
35501314	HOT-MIX ASPHALT BASE COURSE 7 1/2"	TON	138	138	--	--	--	--	--	--
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	3743	3743	--	--	--	--	--	--
40600300	AGGREGATE (PRIME COAT)	TON	94	94	--	--	--	--	--	--
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	14	14	--	--	--	--	--	--
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	6066	6066	--	--	--	--	--	--
40600895	CONSTRUCTING TEST STRIP	EACH	1	1	--	--	--	--	--	--
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	479	479	--	--	--	--	--	--
40600985	PORTLAND CEMENT SURFACE REMOVAL - BUTT JOINT	SQ YD	357	357	--	--	--	--	--	--
40600990	TEMPORARY RAMP	SQ YD	382	382	--	--	--	--	--	--
40603540	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	3958	3958	--	--	--	--	--	--
42001200	PAVEMENT FABRIC	SQ YD	433.6	433.6	--	--	--	--	--	--
42001300	PROTECTIVE COAT	SQ YD	6935	6935	--	--	--	--	--	--
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 6"	SQ YD	1382	1382	--	--	--	--	--	--
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 8"	SQ YD	554	554	--	--	--	--	--	--
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	14801	2195	--	--	--	--	12606	--
42400610	TEMPORARY SIDEWALK	SQ FT	8725	1723	--	--	--	--	7002	--
* 42400800	DETECTABLE WARNINGS	SQ FT	275	249	--	--	--	--	26	--
44000086	HOT-MIX ASPHALT SURFACE REMOVAL COMPLETE	SQ YD	25254	25254	--	--	--	--	--	--

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	3
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* FAU ROUTE 6176 (ARMOUR ROAD)				
** SECTION (79)W&RS & 140RS				

* SPECIALTY ITEM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
FAU ROUTE 6176 (ARMOUR ROAD)
SEC (79)W&RS & 140RS
KANKAKEE COUNTY

SCALE: VERT. DRAWN BY: KKP
 HORIZ. CHECKED BY: JKC
DATE

PLOT DATE = 12/06
 PLOT SCALE = 1" = 100'
 USER NAME = ARR

Item No.	Item	Unit	Total	1000 ROADWAY	Y031-IF TRAFFIC SIGNALS US 45/52	Y031-IF TRAFFIC SIGNALS EDMERE DRIVE	Y031-IF TRAFFIC SIGNALS FIRE DEPT.	Y031-IF TRAFFIC SIGNALS WASHINGTON MOONEY	SFTY-1B SIDEWALK	SFTY-2A BRIDGE RAIL
44000100	PAVEMENT REMOVAL	SQ YD	1252	1252	--	--	--	--	--	--
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1358	1358	--	--	--	--	--	--
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	10559	10559	--	--	--	--	--	--
44000600	SIDEWALK REMOVAL	SQ FT	8725	172	--	--	--	--	7002	--
44002805	ISLAND REMOVAL	SQ FT	504	504	--	--	--	--	--	--
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	2509	2509	--	--	--	--	--	--
44200974	CLASS B PATCHES, TYPE III, 10 INCH	SQ YD	40	40	--	--	--	--	--	--
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	1034	1034	--	--	--	--	--	--
44213200	SAW CUTS	FOOT	19725	19725	--	--	--	--	--	--
50800105	REINFORCEMENT BARS	POUND	1850	1850	--	--	--	--	--	--
50901105	STEEL RAILING	FOOT	356	--	--	--	--	--	--	356
54002020	EXPANSION BOLTS 3/4 INCH	EACH	20	20	--	--	--	--	--	--
54003000	CONCRETE BOX CULVERTS	CU YD	9.7	9.7	--	--	--	--	--	--
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	3	3	--	--	--	--	--	--
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	294	294	--	--	--	--	--	--
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	50	50	--	--	--	--	--	--
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	22	22	--	--	--	--	--	--
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	63	63	--	--	--	--	--	--
550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	972	972	--	--	--	--	--	--
550A2510	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 12"	FOOT	108	108	--	--	--	--	--	--
550A2560	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	FOOT	590	590	--	--	--	--	--	--
55034200	STORM SEWERS, TYPE 1, REINFORCED CONCRETE ELLIPTICAL PIPE, SPAN 23, RISE 14	FOOT	112	112	--	--	--	--	--	--
55034300	STORM SEWERS, TYPE 1, REINFORCED CONCRETE ELLIPTICAL PIPE, SPAN 30, RISE 19	FOOT	292	292	--	--	--	--	--	--
60207105	CATCH BASINS, TYPE C, TYPE 3 FRAME AND GRATE	EACH	26	26	--	--	--	--	--	--
60207205	CATCH BASINS, TYPE C, TYPE 4 FRAME AND GRATE	EACH	2	2	--	--	--	--	--	--
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	1	1	--	--	--	--	--	--
60218400	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	12	12	--	--	--	--	--	--
60221100	MANHOLES, TYPE A, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6	6	--	--	--	--	--	--
60221200	MANHOLES, TYPE A, 5' DIAMETER, TYPE 3 FRAME AND GRATE	EACH	2	2	--	--	--	--	--	--
60221700	MANHOLES, TYPE A, 5' DIAMETER, TYPE 8 GRATE	EACH	1	1	--	--	--	--	--	--
60223800	MANHOLES, TYPE A, 6' DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	--	--	--	--	--	--
60224090	MANHOLES, TYPE A, 6' DIAMETER, TYPE 1 FRAME, WITH SPECIAL FRAME AND GRATE	EACH	1	1	--	--	--	--	--	--

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	4
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* FAU ROUTE 6176 (ARMOUR ROAD)				
** SECTION (79)W&RS & 140RS				

* SPECIALTY ITEM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
FAU ROUTE 6176 (ARMOUR ROAD)
SEC (79)W&RS & 140RS
KANKAKEE COUNTY

SCALE: VERT. _____
 HORIZ. _____

DRAWN BY: KKP
CHECKED BY: JKC

PLOT DATE = 12/06
 PLOT SCALE = 1" = 100'
 USER NAME = ARR

Item No.	Item	Unit	Total	1000 ROADWAY	Y031-IF TRAFFIC SIGNALS US 45/52	Y031-IF TRAFFIC SIGNALS EDMERE DRIVE	Y031-IF TRAFFIC SIGNALS FIRE DEPT.	Y031-IF TRAFFIC SIGNALS WASHINGTON /MOONEY	SFTY-1B SIDEWALK	SFTY-2A BRIDGE RAIL
60250200	CATCH BASINS TO BE ADJUSTED	EACH	7	7	--	--	--	--	--	--
60250500	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1	--	--	--	--	--	--
60255500	MANHOLES TO BE ADJUSTED	EACH	10	10	--	--	--	--	--	--
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1	--	--	--	--	--	--
60260100	INLETS TO BE ADJUSTED	EACH	4	4	--	--	--	--	--	--
60500040	REMOVING MANHOLES	EACH	2	2	--	--	--	--	--	--
60500050	REMOVING CATCH BASINS	EACH	8	8	--	--	--	--	--	--
60500080	REMOVING CATCH BASIN TO MAINTAIN FLOW	EACH	6	6	--	--	--	--	--	--
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	9593	9593	--	--	--	--	--	--
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	108	108	--	--	--	--	--	--
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	217	217	--	--	--	--	--	--
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1987.5	1987.5	--	--	--	--	--	--
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	2	--	--	--	--	--	--
* 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4	4	--	--	--	--	--	--
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)	EACH	2	2	--	--	--	--	--	--
63200310	GUARDRAIL REMOVAL	FOOT	2132	2132	--	--	--	--	--	--
67000200	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12	--	--	--	--	--	--
67100100	MOBILIZATION	L SUM	1	1	--	--	--	--	--	--
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1	--	--	--	--	--	--
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	--	--	--	--	--	--
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	--	--	--	--	--	--
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	75	75	--	--	--	--	--	--
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	12131	12131	--	--	--	--	--	--
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	428.3	428.3	--	--	--	--	--	--
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	17111	17111	--	--	--	--	--	--
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	4213	4213	--	--	--	--	--	--
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	2015	2015	--	--	--	--	--	--
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	835	835	--	--	--	--	--	--
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	618	618	--	--	--	--	--	--
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1377	1377	--	--	--	--	--	--
* 72000100	SIGN PANEL - TYPE 1	SQ FT	25	--	--	5	--	20	--	--
* 72000200	SIGN PANEL - TYPE 2	SQ FT	83	--	--	--	--	83	--	--

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	5
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* FAU ROUTE 6176 (ARMOUR ROAD)				
** SECTION (79)W&RS & 140RS				

* SPECIALTY ITEM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
FAU ROUTE 6176 (ARMOUR ROAD)
SEC (79)W&RS & 140RS
KANKAKEE COUNTY

SCALE: VERT. DRAWN BY: KKP
 HORIZ. CHECKED BY: JKC
DATE

Item No.	Item	Unit	Total	1000 ROADWAY	Y031-IF TRAFFIC SIGNALS US 45/52	Y031-IF TRAFFIC SIGNALS EDMERE DRIVE	Y031-IF TRAFFIC SIGNALS FIRE DEPT.	Y031-IF TRAFFIC SIGNALS WASHINGTON/MOONEY	SFTY-1B SIDEWALK	SFTY-2A BRIDGE RAIL
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	428.3	428.3	--	--	--	--	--	--
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4'	FOOT	17111	17111	--	--	--	--	--	--
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6'	FOOT	4213	4213	--	--	--	--	--	--
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8'	FOOT	2015	2015	--	--	--	--	--	--
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12'	FOOT	835	835	--	--	--	--	--	--
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24'	FOOT	618	618	--	--	--	--	--	--
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	439	439	--	--	--	--	--	--
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	24	24	--	--	--	--	--	--
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2	--	--	--	--	--	--
* 81012400	CONDUIT IN TRENCH, 1 1/4" DIA., PVC	FOOT	1006	--	279	--	--	727	--	--
* 81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	1185	--	--	--	65	1120	--	--
* 81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	186	--	--	--	122	64	--	--
* 81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	32	--	--	--	--	32	--	--
* 81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	10	--	--	--	--	10	--	--
* 81021350	CONDUIT PUSHED, 3" DIA., PVC	FOOT	192	--	--	--	--	192	--	--
* 81021370	CONDUIT PUSHED, 4" DIA., PVC	FOOT	194	--	--	--	78	116	--	--
* 81306500	REMOVE EXISTING JUNCTION BOX	EACH	6	--	--	--	--	6	--	--
* 81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	5	--	--	--	1	4	--	--
* 81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1629	--	52	--	187	1390	--	--
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	--	--	1	1	--	--	--
* 85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1	--	--	--	--	1	--	--
* 86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1	--	--	--	--	1	--	--
* 87200500	TETHER WIRE	FOOT	161	--	--	161	--	--	--	--
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	525	--	--	--	525	--	--	--
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4785	--	--	--	537	4248	--	--
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2776	--	105	--	--	2671	--	--
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	146	--	--	--	--	146	--	--
* 87302245	ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL NO. 14 5C	FOOT	91	--	--	91	--	--	--	--
* 87302255	ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL NO. 14 7C	FOOT	363	--	--	363	--	--	--	--
* 87501200	TRAFFIC SIGNAL POST, 16 FT	EACH	3	--	--	--	1	2	--	--
* 87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT	EACH	1	--	--	--	--	1	--	--
* 87700180	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT	EACH	1	--	--	--	--	1	--	--
* 87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT	EACH	1	--	--	--	--	1	--	--
* 87702630	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 40 FT. AND 44 FT.	EACH	1	--	--	--	--	1	--	--
* 87702690	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 44 FT. AND 42 FT.	EACH	1	--	--	--	--	1	--	--
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	9	--	--	--	3	6	--	--

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	6
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* FAU ROUTE 6176 (ARMOUR ROAD)				
** SECTION (79)W&RS & 140RS				

PLOT DATE: 12/06
 PLOT SCALE: 1" = 100'
 USER NAME: ARR

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

 SUMMARY OF QUANTITIES
 FAU ROUTE 6176 (ARMOUR ROAD)
 SEC (79)W&RS & 140RS
 KANKAKEE COUNTY

SCALE: VERT. DRAWN BY: KKP
 DATE HORIZ. CHECKED BY: JKC

* SPECIALTY ITEM

Item No.	Item	Unit	Total	1000 ROADWAY	Y031-IF TRAFFIC SIGNALS US 45/52	Y031-IF TRAFFIC SIGNALS EDGEMERE DRIVE	Y031-IF TRAFFIC SIGNALS FIRE DEPT.	Y031-IF TRAFFIC SIGNALS WASHINGTON/MOONEY	SFTY-1B SIDEWALK	SFTY-2A BRIDGE RAIL
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3.5	--	--	--	--	3.5	--	--
* 87800415	CONCRETE FOUNDATION, TYPE E, 36 INCH DIAMETER	FOOT	57	--	--	--	10	47	--	--
* 87900200	DRILL EXISTING HANDHOLE	EACH	47	--	14	--	--	33	--	--
* 88030030	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, SPAN WIRE MOUNTED	EACH	1	--	--	1	--	--	--	--
* 88030120	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, SPAN WIRE MOUNTED	EACH	1	--	--	1	--	--	--	--
* 88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2	--	--	--	--	2	--	--
* 88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	14	--	--	--	2	12	--	--
* 88040150	SIGNAL HEAD, POLYCARBONATE, LED 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1	--	--	1	--	--	--	--
* 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	23	--	--	3	2	18	--	--
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	16	--	5	--	--	11	--	--
* 88600100	DETECTOR LOOP, TYPE I	FOOT	2712	--	944	--	--	1768	--	--
* 88700200	LIGHT DETECTOR	EACH	3	--	--	--	1	2	--	--
* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	2	--	--	--	1	1	--	--
* 89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	3	--	--	3	--	--	--	--
* 89500300	RELOCATE EXISTING ILLUMINATED SIGN	EACH	2	--	--	--	2	--	--	--
* 89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	2	--	--	1	1	--	--	--
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	8763	--	--	--	207	8556	--	--
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3	--	--	1	1	1	--	--
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9	--	--	--	2	7	--	--
X0322127	STORM SEWER (WATER MAIN REQUIREMENTS), 30"	FOOT	124	124	--	--	--	--	--	--
X5510100	STORM SEWER REMOVAL	FOOT	479	479	--	--	--	--	--	--
* X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	1042.5	--	--	--	288.5	754	--	--
* X8808020	OPTICALLY PROGRAMMED SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4	--	--	--	--	4	--	--
* X8860100	LOOP DETECTOR TESTING	EACH	1	--	1	--	--	--	--	--
* X8950115	RELOCATE LIGHT DETECTOR	EACH	2	--	--	--	--	2	--	--
* X8950120	RELOCATE LIGHT DETECTOR AMPLIFIER	EACH	2	--	--	--	--	2	--	--
* X8730430	ELECTRIC CABLE IN CONDUIT, COMMUNICATION *20 3/C	FOOT	1130	--	--	--	179.5	950.5	--	--
724-00710	RELOCATE SIGN PANEL - TYPE I	EACH	1	--	--	1	--	--	--	--
60250620	CATCH BASIN TO BE ADJUSTED WITH NEW TYPE 3V FRAME AND GRATE	EACH	1	1	--	--	--	--	--	--
60207115	CATCH BASIN TYPE C, TYPE 3V FRAME AND GRATE	EACH	3	3	--	--	--	--	--	--
X6020089	MANHOLES, TYPE A, 8' DIAMETER, TYPE I FRAME, AND OPEN LID	EACH	1	1	--	--	--	--	--	--
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	--	--	--	--	--	--
Z0017100	DOWEL BARS	EACH	6480	6480	--	--	--	--	--	--
Z0018700	DRAINAGE STRUCTURE TO BE REMOVED	EACH	2	2	--	--	--	--	--	--
Z0075300	TIE BARS	EACH	775	775	--	--	--	--	--	--
+ Z0076000	TRAINEES	HOURL	2,000	2,000	--	--	--	--	--	--

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	7
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* FAU ROUTE 6176 (ARMOUR ROAD)
 ** SECTION (79)W&RS & 140RS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES
 FAU ROUTE 6176 (ARMOUR ROAD)
 SEC (79)W&RS & 140RS
 KANKAKEE COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE _____

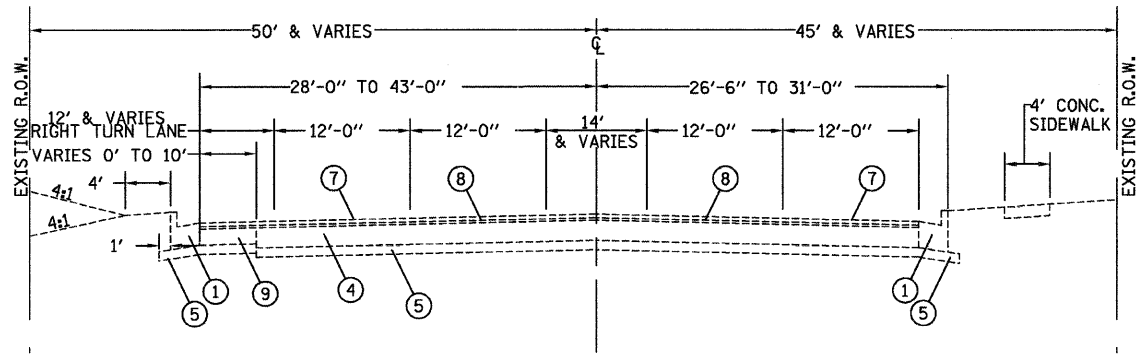
DRAWN BY: KKP
 CHECKED BY: JKC

PLOT DATE * 12/06
 FILE NAME * 20-0355-0000
 USER NAME * JKR

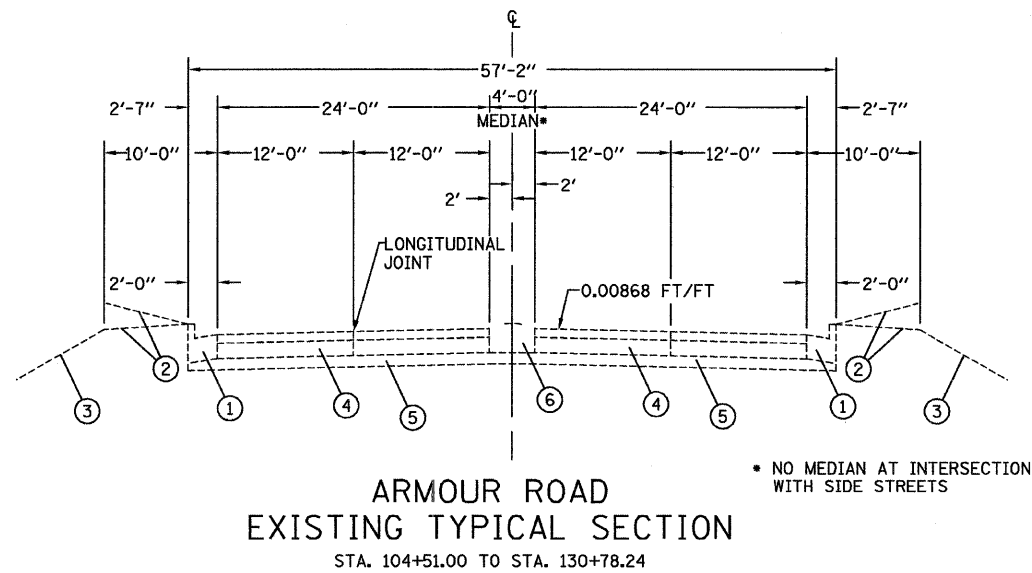
* SPECIALTY ITEM + Y080
 100% STATE NON-PARTICIPATING

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	8
STA.		TO STA.		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FAU ROUTE 6176 (ARMOUR ROAD)				
** SECTION (79)W&RS & 14ORS				

- ① TYPE B-6.24 CONCRETE CURB AND GUTTER
- ② SLOPE 3/4"/FT. & VARIES
- ③ SLOPE 4:1 & VARIES
- ④ 10" PORTLAND CEMENT CEMENT PAVEMENT WITH PAVEMENT FABRIC
- ⑤ SUB-BASE GRANULAR MATERIAL TYPE A
- ⑥ CORRUGATED CONCRETE MEDIAN
- ⑦ BITUMINOUS CONCRETE SURFACE COURSE
- ⑧ LEVELING BINDER
- ⑨ PORTLAND CEMENT CONCRETE BASE COURSE 8"
- ⑩ CONCRETE CURB, TYPE B
- ⑪ CONCRETE MEDIAN SURFACE 4"



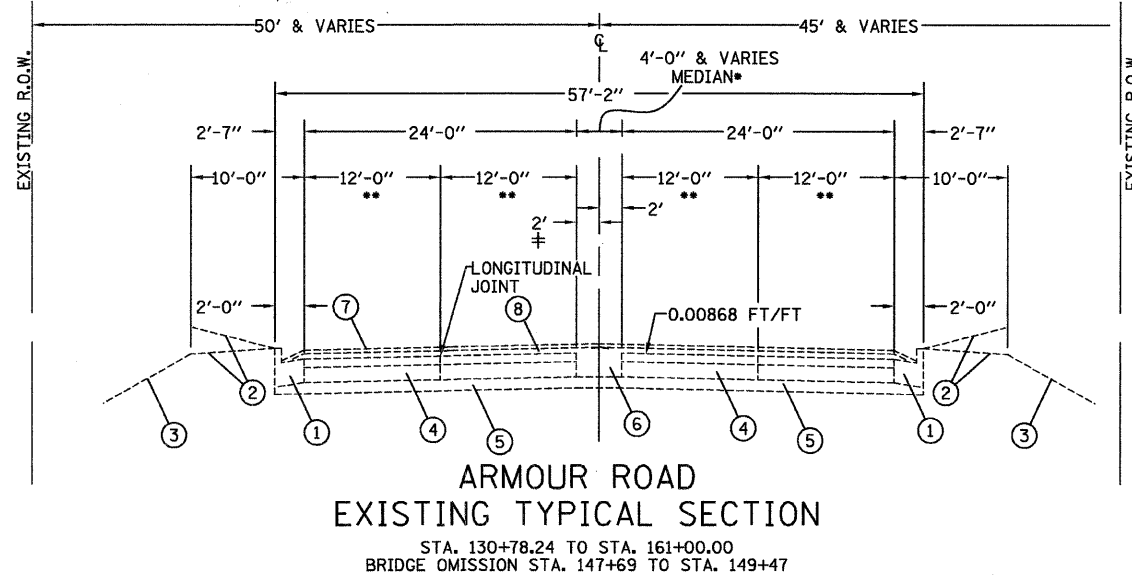
ARMOUR ROAD
EXISTING TYPICAL SECTION
STA. 101+59.00 TO STA. 104+51.00



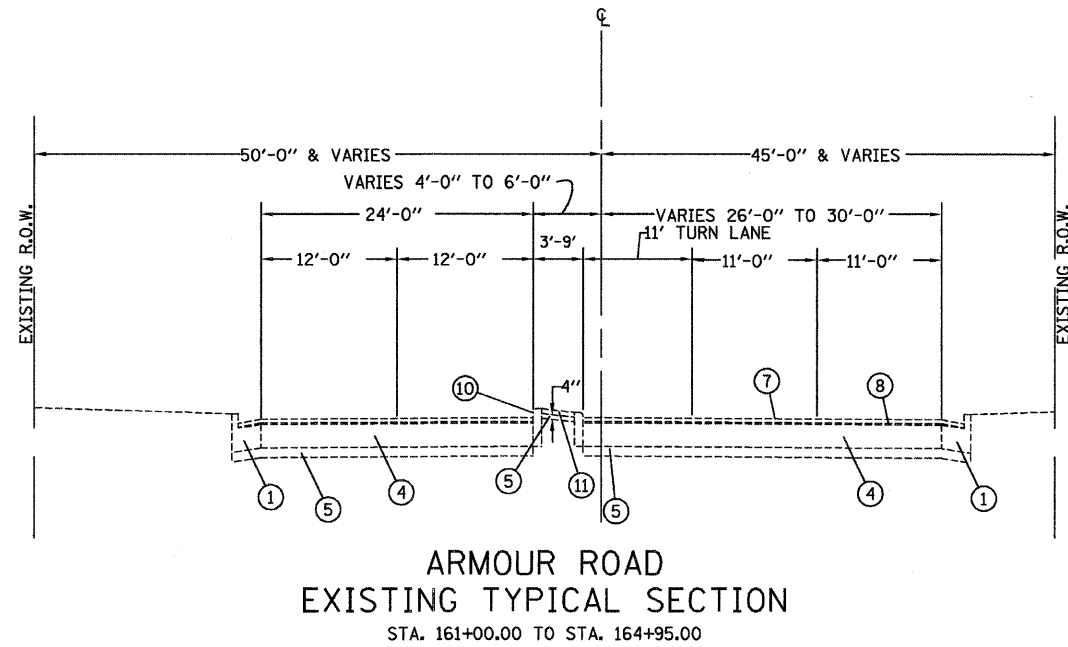
ARMOUR ROAD
EXISTING TYPICAL SECTION
STA. 104+51.00 TO STA. 130+78.24

• NO MEDIAN AT INTERSECTION WITH SIDE STREETS

- RAISED MEDIAN STA. 147+19 TO STA. 149+97
- LANE WIDTHS REDUCE TO 10'-6" AND MEDIAN WIDTH INCREASES TO 10'-0" FOR LEFT TURN LANE THRU INTERSECTION WITH WASHINGTON AVENUE & MOONEY DRIVE.
- ‡ VARIES FROM 2'-0" AT STA. 159+37.26 TO 4'-0" AT STA. 160+88.63



ARMOUR ROAD
EXISTING TYPICAL SECTION
STA. 130+78.24 TO STA. 161+00.00
BRIDGE OMISSION STA. 147+69 TO STA. 149+47



ARMOUR ROAD
EXISTING TYPICAL SECTION
STA. 161+00.00 TO STA. 164+95.00

PLOT DATE = 12/06
FILE NAME = Z04380TYP.DGN
DATE OF PLOT = 12/06
USER NAME = ARR

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTION
FAU ROUTE 6176 (ARMOUR ROAD)
SEC (79)W&RS & 14ORS
KANKAKEE COUNTY

SCALE: VERT. DRAWN BY ARR
 HORIZ. CHECKED BY JKC
DATE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	9

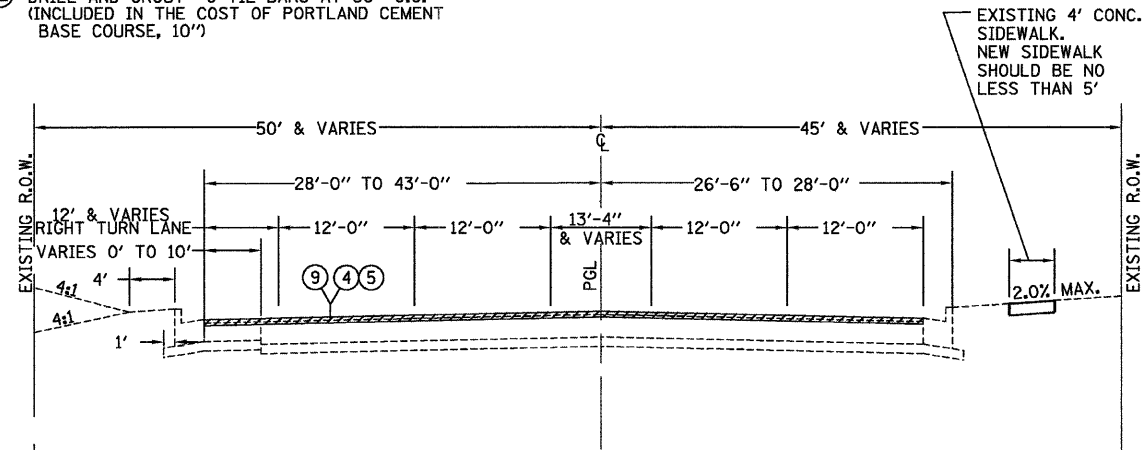
STA. _____ TO STA. _____

FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT

* FAU ROUTE 6176 (ARMOUR ROAD)
 ** SECTION (79)W&RS & 14ORS

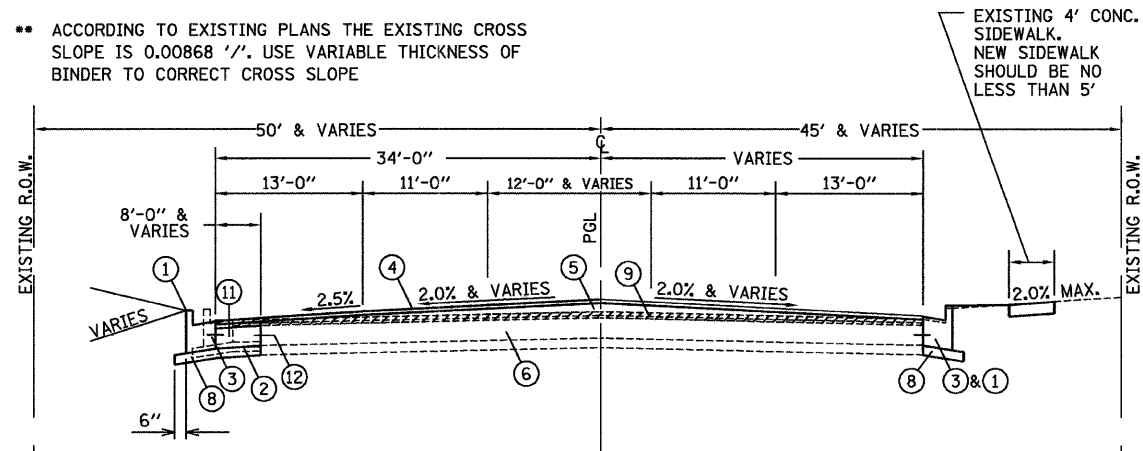
- ① B-6.24 CURB AND GUTTER
- ② PORTLAND CEMENT BASE COURSE, 10"
- ③ EXISTING CURB AND GUTTER TO BE REMOVED
- ④ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ⑤ LEVELING BINDER (MACHINE METHOD), N70, VARIABLE THICKNESS (1" MIN.) **
- ⑥ EXISTING REINFORCED CONCRETE PAVEMENT, 10"
- ⑦ EXISTING B-6.24 CURB AND GUTTER
- ⑧ SUB-BASE GRANULAR MATERIAL TYPE A, 4"
- ⑨ HOT-MIX ASPHALT SURFACE REMOVAL COMPLETE (TO BARE CONCRETE - 2 1/2"±)
- ⑩ EXISTING CORRUGATED MEDIAN TO REMAIN
- ⑪ EXISTING BASE COURSE TO BE REMOVED
- ⑫ DRILL AND GROUT #6 TIE BARS AT 30" O.C. (INCLUDED IN THE COST OF PORTLAND CEMENT BASE COURSE, 10")

** ACCORDING TO EXISTING PLANS THE EXISTING CROSS SLOPE IS 0.00868 '/'. USE VARIABLE THICKNESS OF BINDER TO CORRECT CROSS SLOPE

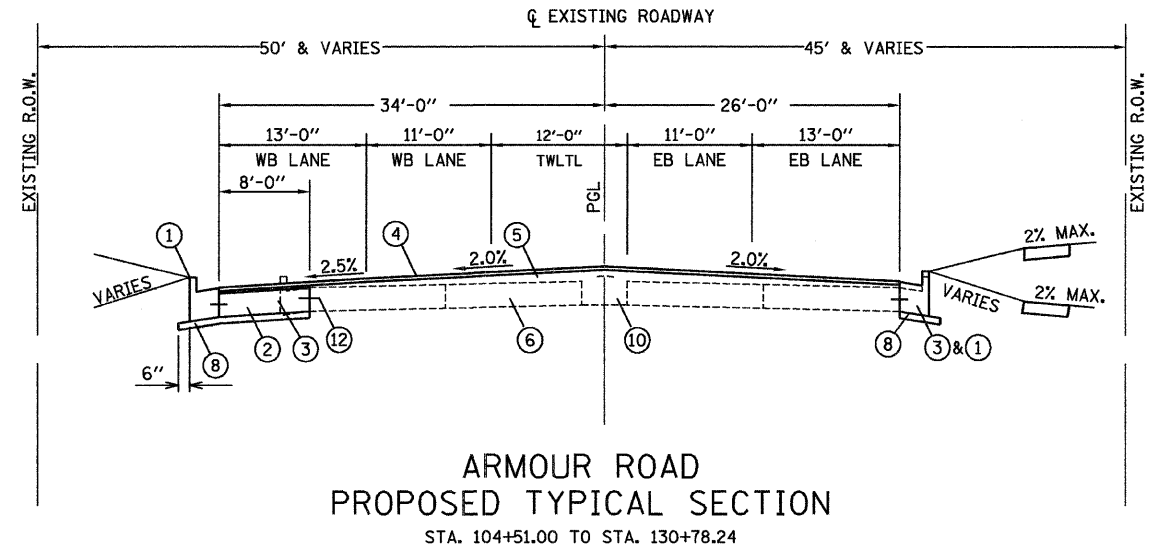


**ARMOUR ROAD
PROPOSED TYPICAL SECTION**
STA. 100+31.08 TO STA. 103+54.91

** ACCORDING TO EXISTING PLANS THE EXISTING CROSS SLOPE IS 0.00868 '/'. USE VARIABLE THICKNESS OF BINDER TO CORRECT CROSS SLOPE

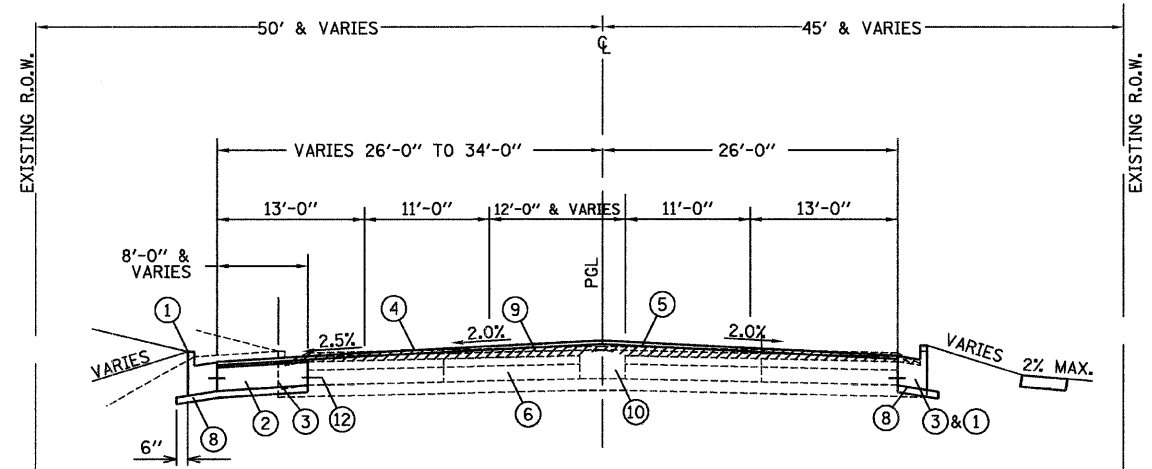


**ARMOUR ROAD
PROPOSED TYPICAL SECTION**
STA. 103+54.91 TO STA. 104+51.00



**ARMOUR ROAD
PROPOSED TYPICAL SECTION**
STA. 104+51.00 TO STA. 130+78.24

** ACCORDING TO EXISTING PLANS THE EXISTING CROSS SLOPE IS 0.00868 '/'. USE VARIABLE THICKNESS OF BINDER TO CORRECT CROSS SLOPE



**ARMOUR ROAD
PROPOSED TYPICAL SECTION**
STA. 130+78.24 TO STA. 147+50 +/-
SIDEWALK TO STA. 137+15.78

PLOT DATE = 12/06
 FILE NAME = ZR4386TYP.DGN
 PLOT SCALE = 1" = 6'
 USER NAME = ARR

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTION
 FAU ROUTE 6176 (ARMOUR ROAD)
 SEC (79)W&RS & 14ORS
 KANKAKEE COUNTY

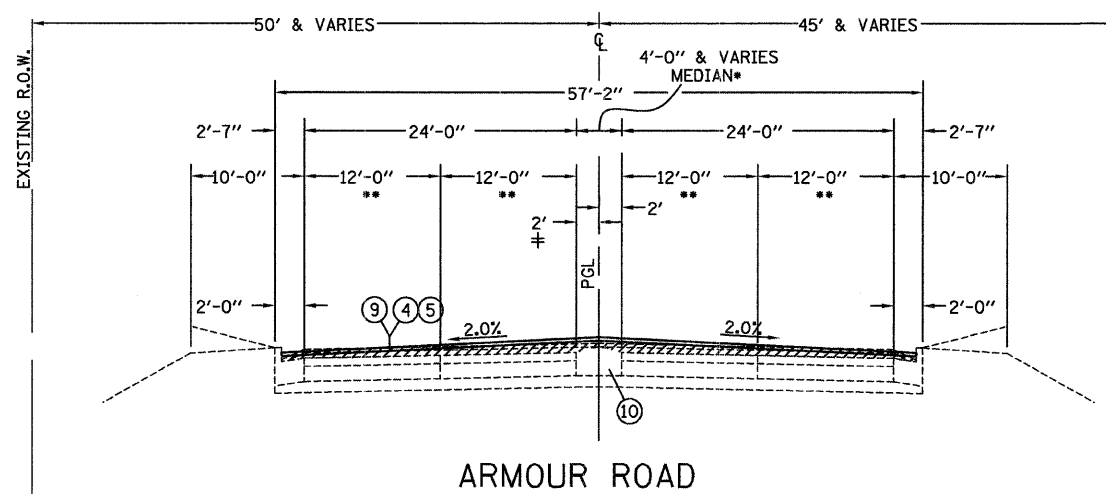
SCALE: VERT. _____
 HORIZ. _____
 DATE _____

DRAWN BY ARR
 CHECKED BY JKC

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	10
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
<ul style="list-style-type: none"> FAU ROUTE 6176 (ARMOUR ROAD) SECTION (79)W&RS & 14ORS 				

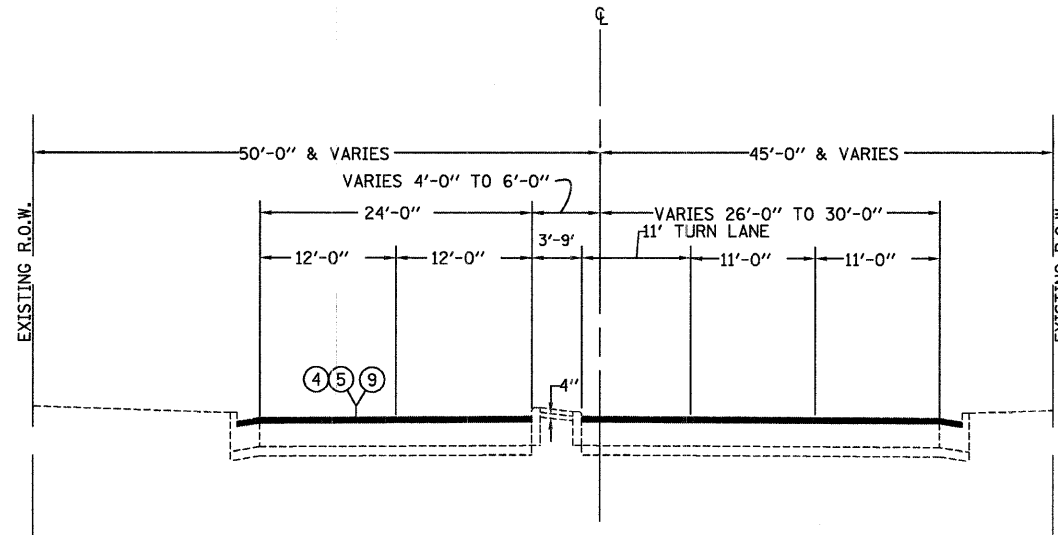
- ① B-6.24 CURB AND GUTTER
- ② PORTLAND CEMENT BASE COURSE, 10"
- ③ EXISTING CURB AND GUTTER TO BE REMOVED
- ④ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ⑤ LEVELING BINDER (MACHINE METHOD), N70, VARIABLE THICKNESS (1" MIN.) **
- ⑥ EXISTING REINFORCED CONCRETE PAVEMENT, 10"
- ⑦ EXISTING B-6.24 CURB AND GUTTER
- ⑧ SUB-BASE GRANULAR MATERIAL TYPE A, 4"
- ⑨ HOT-MIX ASPHALT SURFACE REMOVAL COMPLETE (TO BARE CONCRETE - 2 1/2"±)
- ⑩ EXISTING CORRUGATED MEDIAN TO REMAIN
- ⑪ EXISTING BASE COURSE TO BE REMOVED
- ⑫ DRILL AND GROUT #6 TIE BARS AT 30" O.C. (INCLUDED IN THE COST OF PORTLAND CEMENT BASE COURSE, 10")

** ACCORDING TO EXISTING PLANS THE EXISTING CROSS SLOPE IS 0.00868 '/'. USE VARIABLE THICKNESS OF BINDER TO CORRECT CROSS SLOPE



ARMOUR ROAD
PROPOSED TYPICAL SECTION

STA. 147+50 +/- TO STA. 161+00.00
BRIDGE PAVING OMISSION STA. 147+50 +/- TO STA. 149+89 +/-



ARMOUR ROAD
PROPOSED TYPICAL SECTION

STA. 161+00.00 TO STA. 164+95.00

	LEVEL BINDER	SURFACE	BASE COURSE
PG GRADE	PG64-22	SBS PG70-22	PG64-22
MAX % RAP ALLOWABLE**	15%	0%	25%
DESIGN AIR VOIDS	4.0% @ N70	4.0% @ N70	4.0% @ N70
MIXTURE COMPOSITION	IL 9.5	IL 12.5 OR IL 9.5	IL 19.0
FRICTION AGGREGATE		MIXTURE D	
PLANT CONTROL LIMITS	CLASS I	CLASS I	CLASS I
DENSITY CONTROL METHOD	SATISFACTION OF ENGINEER	CORRELATION	*

* MATERIAL SHALL BE COMPACTED TO 93.0-97.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY, EXCEPT THAT WHEN PLACED AS FIRST LIFT ON AN UNIMPROVED SUBGRADE THE MINIMUM PERCENT COMPACTION SHALL BE 92.0 PERCENT. THE MAXIMUM THEORETICAL DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE AS SPECIFIED IN THE QC/QA SPECIFICATION.

** IF RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER.

REVISIONS	
NAME	DATE

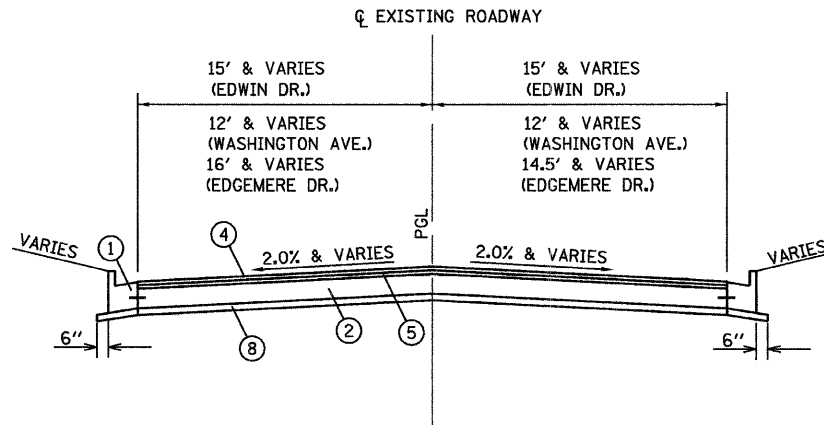
ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTION
FAU ROUTE 6176 (ARMOUR ROAD)
SEC (79)W&RS & 14ORS
KANKAKEE COUNTY

SCALE: VERT. HORIZ.
DATE
DRAWN BY ARR
CHECKED BY JKC

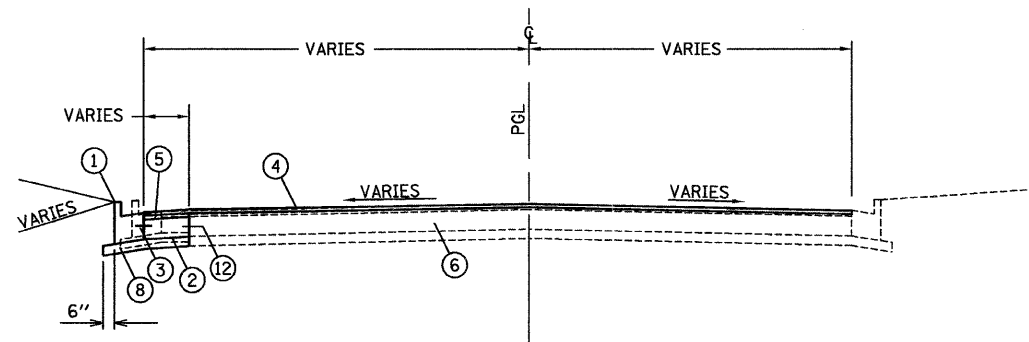
FAU- RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	11
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*		FAU ROUTE 6176 (ARMOUR ROAD)		
**		SECTION (79)W&RS & 14ORS		

- ① B-6.24 CURB AND GUTTER
- ② PORTLAND CEMENT BASE COURSE, 10"
- ③ EXISTING CURB AND GUTTER TO BE REMOVED
- ④ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- ⑤ LEVELING BINDER (MACHINE METHOD), N70, VARIABLE THICKNESS (1" MIN.) **
- ⑥ EXISTING REINFORCED CONCRETE PAVEMENT, 10"
- ⑦ EXISTING B-6.24 CURB AND GUTTER
- ⑧ SUB-BASE GRANULAR MATERIAL TYPE A, 4"
- ⑨ HOT-MIX ASPHALT SURFACE REMOVAL COMPLETE (TO BARE CONCRETE - 2 1/2"±)
- ⑩ EXISTING CORRUGATED MEDIAN TO REMAIN
- ⑪ EXISTING BASE COURSE TO BE REMOVED
- ⑫ DRILL AND GROUT #6 TIE BARS AT 30" O.C. (INCLUDED IN THE COST OF PORTLAND CEMENT BASE COURSE, 10")
- ⑬ HOT-MIX ASPHALT BASE COURSE, 7 1/2"



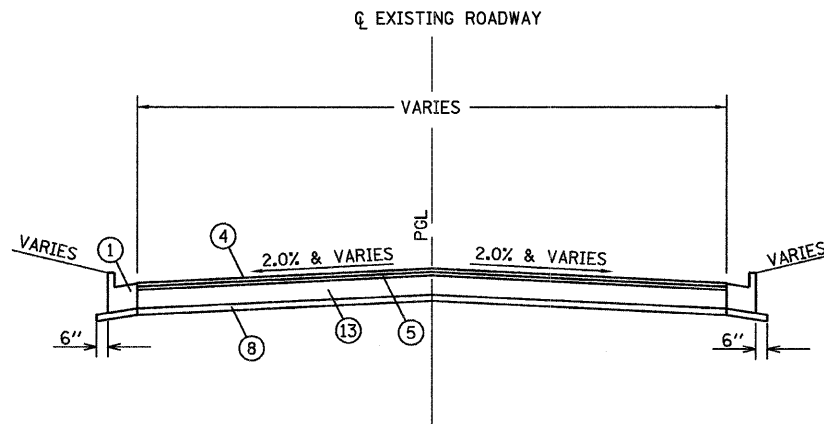
EDGEMERE DRIVE, EDWIN DRIVE & WASHINGTON AVENUE
PROPOSED TYPICAL SECTION

STA. 8+80.82 TO STA. 9+75.72 (EDGEMERE DRIVE)
STA. 300+34 TO STA. 301+72.06 (WASHINGTON AVENUE)
STA. 500+35 TO STA. 501+15.46 (EDWIN DRIVE)



STADIUM DRIVE
PROPOSED TYPICAL SECTION

STA. 198+49.02 TO STA. 199+74.00



KROGER MAIN ENTRANCE & GAS STATION ENTRANCE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTION
FAU ROUTE 6176 (ARMOUR ROAD)
SEC (79)W&RS & 14ORS
KANKAKEE COUNTY

SCALE: VERT. DRAWN BY ARR
 HORIZ. CHECKED BY JKC
DATE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	12
STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT		

* FAU ROUTE 6176 (ARMOUR ROAD)
** SECTION (79)W&RS & 140RS

ISLAND REMOVAL	
LOCATION	SQ FT
STA. 107+31.55, LT.	355
STA. 109+24.96, LT.	149
TOTAL	504

CONCRETE MEDIAN SURFACE, 4 INCH	
LOCATION	SQ FT
STA. 107+13.53 LT. TO STA. 107+24.28, LT.	67
STA. 109+14.96, LT. TO STA. 109+35.31, LT.	150
TOTAL	217

LOCATION	SQ YD	UNIT
STA. 103+47.80, LT TO STA. 111+26.8, LT	925	2.7
STA. 101+57.6, RT. TO STA. 105+69.7, RT.	456	1.4
STA. 106+10.9, RT. TO STA. 108+41.6, RT.	350	1.1
STA. 108+82.8, RT. TO STA. 111+30.3, RT.	286	0.9
STA. 111+61.5, RT. TO STA. 114+31.2, RT.	323	1.0
STA. 111+62.6, LT. TO STA. 127+47.2, LT.	1957	5.8
STA. 114+62.3, RT. TO STA. 118+89.8, RT.	532	1.6
STA. 119+33.1, RT. TO STA. 124+58.0, RT.	837	2.4
STA. 124+98.2, RT. TO STA. 128+06.3, RT.	270	0.8
STA. 127+79.2, LT. TO STA. 136+46.1, LT.	923	2.7
STA. 128+35.5, RT. TO STA. 137+33.0, RT.	1344	3.9
STA. 136+70.2, LT. TO STA. 140+34.2, LT.	569	1.7
STA. 138+14.4, RT. TO STA. 140+00.0, RT.	311	1.0
TOTAL	9083	27

INLET AND PIPE PROTECTION	
LOCATION	EACH
STA. 106+11.6, 49.6' LT.	1
STA. 136+34.0, 77' LT.	1
STA. 136+83.5, 77.2' LT.	1
TOTAL	3

EARTHWORK QUANTITIES				
LOCATION	THEORETICAL		FURNISHED EXCAVATION SHORTAGE (-) OR EXCESS (+)	REMARKS
	CUT	FILL		
	CU YD	CU YD	CU YD	
	(A)	(B)	[(A)0.75]-(B)	
ROADWAY, STA. 104+00 TO STA. 147+00	2,585	501	1,438	
DRIVEWAYS	245	0	184	
EDGMERE DRIVE	59	1	--	
STADIUM DRIVE	117	0	88	
EDWIN DRIVE	88	0	66	
WASHINGTON AVENUE	184	13	125	
SIDEWALKS	72	0		
TOTAL	3350	515	1998	
	PAY ITEM	INFO ONLY	INFO ONLY	

PAVEMENT SCHEDULE									
LOCATION (STA. TO STA.)	SUB-BASE GRANULAR MATERIAL TYPE A, 4"	PORTLAND CEMENT BASE COURSE, 10"	HOT-MIX ASPHALT BASE COURSE, 7 1/2"	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	LEVELING BINDER (MACHINE METHOD), N70	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	BITUMINOUS MATERIAL (PRIME COAT)	AGGREGATE (PRIME COAT)	HOT-MIX ASPHALT SURFACE REMOVAL COMPLETE
	SQ YD	SQ YD	TON	TON	TON	TON	GALLON	TON	SQ YD
STA. 100+31.08 TO STA. 104+44.10	---	---	---	---	---	---	---	---	3,627
STA. 100+31.08 TO STA. 147+49.54 ***	---	---	138	11	4739.3	3158	2,982	75	---
STA. 103+48.00 TO STA. 127+09.20 LT.	3,901	2,499	---	---	---	---	---	---	---
STA. 103+48.00 TO STA. 105+76.46 RT.	86	---	---	---	---	---	---	---	---
STA. 106+04.32 TO STA. 108+48.17 RT.	96	---	---	---	---	---	---	---	---
STA. 108+76.17 TO STA. 111+31.87 RT.	104	---	---	---	---	---	---	---	---
STA. 111+59.87 TO STA. 114+32.76 RT.	109	---	---	---	---	---	---	---	---
STA. 114+60.76 TO STA. 118+31.96 RT.	135	---	---	---	---	---	---	---	---
STA. 118+31.96 TO STA. 119+00.79 RT.	143	89	---	---	---	---	---	---	---
STA. 119+29.86 TO STA. 120+14.68 RT.	106	65	---	---	---	---	---	---	---
STA. 120+14.68 TO STA. 124+64.63 RT.	162	---	---	---	---	---	---	---	---
STA. 124+96.66 TO STA. 125+74.09 RT.	35	---	---	---	---	---	---	---	---
STA. 127+03.57 TO STA. 128+07.92 RT.	43	---	---	---	---	---	---	---	---
STA. 127+09.20 TO STA. 128+19.23 LT.	340	444	---	---	---	---	---	---	---
STA. 128+33.92 TO STA. 137+22.03 RT.	312	---	---	---	---	---	---	---	---
STA. 128+19.23 TO STA. 136+06.14 LT.	1,119	708	---	---	---	---	---	---	---
STA. 130+79.46 TO STA. 147+49.59	---	---	---	---	---	---	---	---	10,228
STA. 136+06.14 TO STA. 137+10.15 LT.	542	538	---	---	---	---	---	---	---
STA. 137+10.15 TO STA. 145+10.00 LT.	932	605	---	---	---	---	---	---	---
STA. 138+12.64 TO STA. 147+45.74 RT.	320	---	---	---	---	---	---	---	---
STA. 149+86.71 TO STA. 164+95.00 ***	---	---	---	3	1326.7	800	761	19	9,525
STA. 198+49.02 TO STA. 199+34.17	---	---	---	---	---	---	---	---	317
STA. 396+17.91 TO STA. 399+00.00	---	---	---	---	---	---	---	---	1,557
TOTAL	8485	4,948	138	14	6066	3958	3,743	94	25,254

*** INCLUDES SIDE STREETS

LOCATION (STA. TO STA.)	HOT-MIX ASPHALT SURFACE REMOVAL- BUTT JOINT	PORTLAND CEMENT SURFACE REMOVAL- BUTT JOINT	TEMPORARY RAMP
	SQ YD	SQ YD	SQ YD
STA. 100+31.08	---	---	71
STA. 103+17, LT.	---	---	18
BELL AIR AVE.	25	49	15
LE VASSEUR AVE.	29	42	16
ASHLEY AVE.	29	51	16
BELMONT AVE.	23	98	16
STADIUM DR.	317	15	19
COUNTRY CT.	36	61	18
EDWIN DRIVE	---	---	16
TOMAGENE DR.	20	41	14
WASHINGTON AVENUE	---	---	13
MOONEY DRIVE	---	---	26
STA. 147+49.54	---	---	29
STA. 149+86.71	---	---	29
LT. & RT. STA. 161+50	---	---	33
STA. 164+95	---	---	33
TOTAL	479	357	382

LOCATION (STA. TO STA.)	SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 2	EROSION CONTROL BLANKET	TEMPORARY EROSION CONTROL SEEDING
	ACRE	LB	LB	LB	ACRE	SQ YD	LB
STA. 125+01.38, LT TO STA. 125+23.55, LT	0.01	1	1	1	---	26	1
STA. 139+99.97, RT TO STA. 147+65.50, RT	0.31	28	28	28	0.31	---	28
STA. 140+62.20, LT TO STA. 147+73.00, LT	0.18	16	16	16	0.09	---	18
STA. 141+50 TO STA. 143+50	---	---	---	---	---	490	---
SODDED AREA SEE ABOVE	---	113	113	113	---	490	188
TOTAL	0.50	158	158	158	0.40	516	235

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULES OF QUANTITIES
FAU ROUTE 6176 (ARMOUR ROAD)
SEC (79)W&RS & 140RS
KANKAKEE COUNTY

SCALE: VERT. _____
HORIZ. _____
DATE _____

DRAWN BY: KKP
CHECKED BY: JKC

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	13
STA. _____ TO STA. _____		ILLINOIS FED. AID PROJECT		
* FAU ROUTE 6176 (ARMOUR ROAD) ** SECTION (79)W&RS & 140RS				

LOCATION	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8"	DRIVEWAY PAVEMENT REMOVAL
	SQ YD	SQ YD	SQ YD
STA. 107+31.5, LT	--	----	270
STA. 107+35.4, RT	66	----	43
STA. 109+25.0, LT	--	----	167
STA. 110+20.8, RT	--	70	47
STA. 112+03.7, LT	22	----	----
STA. 112+85.0, RT	42	----	28
STA. 112+95.6, LT	28	----	----
STA. 114+17.4, LT	29	----	40
STA. 115+19.6, LT	25	----	33
STA. 115+76.1, RT	36	----	----
STA. 115+87.8, LT	30	----	----
STA. 116+33.8, LT	31	----	----
STA. 117+27.2, RT	57	----	----
STA. 117+44.6, LT	33	----	----
STA. 118+22.8, LT	39	----	----
STA. 119+30.7, LT	31	----	----
STA. 119+95.5, LT	22	----	----
STA. 121+09.9, RT	32	----	----
STA. 121+34.6, LT	28	----	----
STA. 122+07.4, RT	33	----	----
STA. 122+58.1, LT	21	----	----
STA. 122+60.3, RT	32	----	----
STA. 123+28.4, LT	22	----	----
STA. 124+19.7, RT	31	----	14
STA. 126+38.8, RT	--	220	209
STA. 129+38.2, RT	--	41	34
STA. 129+71.5, LT	55	----	51
STA. 129+85.4, RT	42	----	41
STA. 130+56.1, LT	35	----	43
STA. 130+99.8, LT	52	----	60
STA. 131+11.7, RT	43	----	42
STA. 132+13.5, RT	48	----	----
STA. 132+43.8, LT	24	----	31
STA. 132+53.9, RT	50	----	----
STA. 132+82.3, LT	30	----	----
STA. 133+08.6, RT	--	85	----
STA. 133+41.6, LT	23	----	32
STA. 134+12.7, RT	36	----	----
STA. 134+58.9, LT	30	----	14
STA. 135+45.2, LT	21	----	----
STA. 138+30.3, LT	39	----	----
STA. 138+53.7, LT	36	----	----
STA. 139+75.9, LT	24	----	----
STA. 140+48.2, LT	--	138	159
STA. 301+38.4, RT	52	----	----
STA. 301+41.7, LT	52	----	----
TOTAL	1382	554	1358

PAVEMENT REMOVAL	
LOCATION	SQ YD
LT. STA. 103+50 TO STA. 104+19	30
EDWIN DRIVE	339
WASHINGTON AVENUE	502
EDGEMERE DRIVE	381
TOTAL	1252

STORM SEWER REMOVAL	
LOCATION	FOOT
STA. 136+92.5 TO STA. 141+57.9	479
TOTAL	479

DRAINAGE STRUCTURE REMOVAL / ADJUSTED									
LOCATION	MANHOLES		MANHOLE TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	CATCH BASIN TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	CATCH BASIN TO BE ADJUSTED WITH NEW TYPE 3V FRAME, GRATE	CATCH BASIN		INLETS	DRAINAGE STRUCTURE
	ADJUST	REMOVE				ADJUST	REMOVE		
STA. 105+66.87, 35.23' RT	1	----	----	----	----	----	----	----	----
STA. 105+87.15, 39.88' RT	1	----	----	----	----	----	----	----	----
STA. 105+90.27, 30.21' RT	1	----	----	----	----	----	----	----	----
STA. 106+13.50, 28.23' LT	----	----	----	----	----	----	1	----	----
STA. 108+89.56, 38.41' RT	----	----	----	----	----	1	----	----	----
STA. 108+99.78, 35.51' RT	1	----	----	----	----	----	----	----	----
STA. 109+08.64, 28.25' LT	----	----	----	1	----	----	----	----	----
STA. 111+21.25, 42.38' RT	----	----	----	----	----	1	----	----	----
STA. 111+45.34, 34.82' RT	1	----	----	----	----	----	----	----	----
STA. 111+45.40, 28.08' LT	----	----	----	----	----	----	1*	----	----
STA. 111+69.79, 42.79' RT	----	----	----	----	----	1	----	----	----
STA. 114+26.98, 50.29' RT	----	----	----	----	----	1	----	----	----
STA. 114+46.36, 28.12' LT	----	----	----	----	----	----	1*	----	----
STA. 114+49.16, 34.58' RT	1	----	----	----	----	----	----	----	----
STA. 114+66.06, 50.41' RT	----	----	----	----	----	1	----	----	----
STA. 118+83.90, 38.95' RT	----	----	----	----	----	----	1*	----	----
STA. 118+98.95, 28.09' LT	----	----	----	----	----	----	1	----	----
STA. 119+08.18, 35.17' RT	1	----	----	----	----	----	----	----	----
STA. 121+68.85, 28.12' RT	----	----	----	----	----	1	----	----	----
STA. 121+68.95, 27.97' LT	----	----	----	----	----	----	1	----	----
STA. 124+44.46, 27.92' LT	----	----	----	----	----	----	1	----	----
STA. 124+63.53, 63.09' RT	----	----	----	----	----	1	----	----	----
STA. 124+80.50, 34.25' RT	1	----	----	----	----	----	----	----	----
STA. 125+19.47, 31.65' RT	----	----	----	----	----	----	----	1	----
STA. 127+89.87, 38.29' LT	----	----	----	----	----	----	1	----	----
STA. 128+20.72, 35.82' RT	1	----	----	----	----	----	----	----	----
STA. 128+35.12, 66.00' RT	----	----	----	----	----	----	----	1	----
STA. 133+99.54, 28.22' RT	----	----	----	----	----	----	----	1	----
STA. 133+99.54, 28.40' LT	----	----	----	----	----	----	1*	----	----
STA. 134+27.44, 34.71' RT	----	----	1	----	----	----	----	----	----
STA. 136+32.52, 38.99' LT	----	----	----	----	----	----	1*	----	----
STA. 136+33.95, 76.93' LT	----	----	----	----	----	----	----	----	1
STA. 136+72, 27.24' RT	----	----	----	----	----	----	----	1	----
STA. 136+82.46, 34.91' RT	----	1	----	----	----	----	----	----	----
STA. 136+83.46, 77.15' LT	----	----	----	----	----	----	----	----	1
STA. 138+00.19, 27.70' RT	1	----	----	----	----	----	----	----	----
STA. 138+00.82, 27.98' LT	----	----	----	----	----	----	1*	----	----
STA. 139+75.06, 35.15' RT	----	1	----	----	----	----	----	----	----
STA. 140+96.60, 27.99' RT	----	----	----	----	----	----	1	----	----
STA. 140+98.24, 28.08' LT	----	----	----	----	----	----	1	----	----
STA. 144+26.39, 29.94' LT	----	----	----	----	----	----	1	----	----
STA. 144+26.74, 28.18' RT	----	----	----	----	1	----	----	----	----
TOTAL	10	2	1	1	1	7	8	4	2

* MAINTAIN FLOW

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULES OF QUANTITIES
FAU ROUTE 6176 (ARMOUR ROAD)
SEC (79)W&RS & 140RS
KANKAKEE COUNTY

SCALE: VERT. _____
HORIZ. _____
DATE _____ DRAWN BY: KKP
CHECKED BY: JKC

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	14
STA. _____ TO STA. _____		ILLINOIS FED. AID PROJECT		
* FAU ROUTE 6176 (ARMOUR ROAD) ** SECTION (79)W&RS & 140RS				

LOCATION	PORTLAND CEMENT CONCRETE SIDEWALK, 4"	TEMPORARY SIDEWALK	SIDEWALK REMOVAL	DETECTABLE WARNINGS
	SQ FT	SQ FT	SQ FT	SQ FT
STA. 100+52.46 TO STA. 100+75.06, LT	167	167	167	--
STA. 101+57.29 TO STA. 105+45.00, RT.	1759	1377	1377	--
* BELLE AIRE AVE.	477	323	323	30
STA. 106+31.60 TO STA. 108+16.60, RT.	793	691	691	--
* LE VASSEUR AVE.	495	353	353	31
STA. 109+03.50 TO STA. 111+00.0, RT.	792	658	658	--
* ASHLEY AVE.	226	163	163	29
* EDGEMERE DR.	158	175	175	23
STA. 111+91.70 TO STA. 114+01.10, RT.	965	747	747	--
* BELMONT AVE.	169	131	131	31
STA. 114+92.10 TO STA. 118+31.59, RT.	1512	1028	1028	--
* STADIUM DR.	222	230	230	44
STA. 119+68.00 TO STA. 124+32.40, RT.	2077	1570	1570	--
* COUNTRY CT.	366	292	292	31
STA. 125+28.40 TO STA. 127+77.20, RT.	956	764	764	--
* TOMAGENE DR.	82	56	56	30
STA. 128+49.07 TO STA. 137+15.78, RT.	3585	--	--	26
--	--	--	--	--
--	--	--	--	--
TOTAL	14801	8725	8725	275

* SIDEWALK REPLACEMENT NECESSARY FOR WIDENING

LOCATION	THERMOPLASTIC PAVEMENT MARKING LINE							THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS	RAISED REFLECTIVE PAVEMENT MARKERS
	4"	6"		8"	12"		24"		
	YELLOW FOOT	YELLOW FOOT	WHITE FOOT	WHITE FOOT	YELLOW FOOT	WHITE FOOT	WHITE FOOT		
STA. 98+00 TO STA. 104+00	892	---	351	529	36	127	76	61.6	33
STA. 104+00 TO STA. 110+00	1,778	---	428	202	140	---	31	35.2	40
STA. 110+00 TO STA. 116+00	994	40	594	205	22	---	125	52.8	35
STA. 116+00 TO STA. 122+00	1,748	80	426	160	79	---	29	44.0	41
STA. 122+00 TO STA. 128+00	812	40	400	---	78	---	109	17.6	41
STA. 128+00 TO STA. 134+00	1,393	200	374	---	84	---	16	35.2	45
STA. 134+00 TO STA. 140+00	993	---	220	332	52	---	133	52.8	34
STA. 140+00 TO STA. 146+00	2,261	---	300	70	217	---	---	8.8	46
STA. 146+00 TO STA. 152+00	1,291	---	160	---	---	---	---	---	28
STA. 152+00 TO STA. 158+00	2,400	---	300	---	---	---	---	---	44
STA. 158+00 TO STA. 164+00	1,255	---	260	20	---	---	99	---	29
STA. 164+00 TO STA. 170+00	---	---	40	95	---	---	---	17.6	4
EDGEMERE DR.	129	---	---	---	---	---	---	---	---
WASHINGTON AVE.	239	---	---	---	---	---	---	---	---
ERNEST MOONEY DR.	658	---	---	371	---	---	---	79.2	19
STADIUM DR.	207	---	---	---	---	---	---	---	---
ENTRANCE ROAD (RT. STA. 161+50)	61	---	---	31	---	---	---	23.5	---
---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---
TOTAL	17,111	4,213	2,015	835	---	618	---	428.3	439

† THE QUANTITIES FOR TEMPORARY PAVEMENT MARKING SHALL BE THE SAME AS THERMOPLASTIC PAVEMENT MARKING.

LOCATION	COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	COMBINATION CURB AND GUTTER REMOVAL
	FOOT	FOOT	FOOT
STA. 103+48.00, RT TO STA. 106+00.00, RT	256		255
STA. 103+48.80, LT TO STA. 127+64.93, LT	2,724	108	3,425
STA. 106+00.00, RT TO STA. 108+50.00, RT	298		322
STA. 108+50.00, RT TO STA. 111+50.00, RT	312		312
STA. 111+50.00, RT TO STA. 114+50.00, RT	329		329
STA. 114+50.00, RT TO STA. 119+09.43, RT	556		656
STA. 119+09.43, RT TO STA. 124+75.00, RT	600		706
STA. 124+75.00, RT TO STA. 128+25.00, RT	369		406
STA. 127+64.93, LT TO STA. 136+59.11, LT	1,046		1,081
STA. 136+59.11, LT TO STA. 147+53.63, LT	1,201		1,152
STA. 128+25.00, RT TO STA. 137+81.79, RT	917		931
STA. 137+81.79, RT TO STA. 147+45.45, RT	935		934
STA. 153+05.00, LT TO STA. 153+55.00, LT	50		50
TOTAL	9,593	108	10,559

LOCATION (STA. TO STA.)	STEEL PLATE BEAM GUARDRAIL, TYPE A	TRAFFIC BARRIER TERMINAL			TERMINAL MARKER DIRECT APPLIED	GUARDRAIL REFLECTORS
		TYPE 2	TYPE 6A	TYPE 1 SPECIAL (TANGENT)		
	FOOT	EACH	EACH	EACH	EACH	EACH
STA. 141+53.76 TO STA. 147+41.13, LT.	587.5	1	1	---	1	6
STA. 141+57.42 TO STA. 147+32.39, RT.	575	---	1	1	---	6
STA. 149+83.61 TO STA. 152+71.11, LT.	287.5	---	1	1	---	6
STA. 149+74.87 TO STA. 155+12.08, RT.	537.5	1	1	---	1	6
TOTAL	1987.5	2	4	2	2	24

LOCATION (STA. TO STA.)	GUARDRAIL REMOVAL
	FOOT
STA. 141+25.07 TO STA. 147+62.11, LT	637
STA. 141+53.03 TO STA. 147+46.12, RT	593
STA. 149+62.78 TO STA. 152+75.29, LT	313
STA. 149+53.58 TO STA. 155+42.72, RT	589
TOTAL	2,132

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULES OF QUANTITIES
FAU ROUTE 6176 (ARMOUR ROAD)
SEC (79)W&RS & 140RS
KANKAKEE COUNTY

SCALE: VERT. _____
HORIZ. _____
DATE _____
DRAWN BY: KKP
CHECKED BY: JKC

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	15

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

* FAU ROUTE 6176 (ARMOUR ROAD)
 ** SECTION (79)W&RS & 140RS

PAVEMENT PATCHING SCHEDULE

LOCATION STATION	LENGTH	WIDTH	CLASS B PATCH			TIE BARS	PAVT FABRIC	DOWEL BARS	SAW CUTS
			10"						
			TYPE II	TYPE III	TYPE IV				
EB DRIVING LANE	FOOT	FOOT	SQ YD	SQ YD	SQ YD	EACH	SQ YD	EACH	FOOT
104+73	6	12	8.0					20	54
105+00	6	12	8.0					20	54
105+28	6	12	8.0					20	54
105+81	6	12	8.0					20	54
106+22	6	12	8.0					20	54
106+40	6	12	8.0					20	54
106+92	50	12			66.7	50	66.7	20	186
107+33	6	12	8.0					20	54
107+56	6	12	8.0					20	54
107+73	6	12	8.0					20	54
108+21	6	12	8.0					20	54
108+50	6	12	8.0					20	54
108+80	6	12	8.0					20	54
109+18	6	12	8.0					20	54
109+32	6	12	8.0					20	54
109+57	6	12	8.0					20	54
110+27	20	12			26.7	20	26.7	20	96
110+48	6	12	8.0					20	54
110+78	6	12	8.0					20	54
111+34	6	12	8.0					20	54
111+45	6	12	8.0					20	54
111+62	6	12	8.0					20	54
111+81	6	12	8.0					20	54
112+28	6	12	8.0					20	54
112+45	6	12	8.0					20	54
112+75	6	12	8.0					20	54
113+25	6	12	8.0					20	54
113+54	6	12	8.0					20	54
113+77	6	12	8.0					20	54
114+32	6	12	8.0					20	54
114+75	10	12	13.3					20	66
115+40	20	12			26.7	20	26.7	20	96
115+65	6	12	8.0					20	54
115+80	6	12	8.0					20	54
116+00	6	12	8.0					20	54
116+14	6	12	8.0					20	54
116+30	6	12	8.0					20	54
116+57	6	12	8.0					20	54
116+70	6	12	8.0					20	54
116+84	6	12	8.0					20	54
116+98	6	12	8.0					20	54
117+63	6	12	8.0					20	54
117+77	6	12	8.0					20	54
118+31	6	12	8.0					20	54
118+51	6	12	8.0					20	54
118+71	6	12	8.0					20	54
118+87	6	12	8.0					20	54
119+51	6	12	8.0					20	54
120+00	6	12	8.0					20	54
120+30	6	12	8.0					20	54
120+66	10	12	13.3					20	66
121+26	6	12	8.0					20	54
121+69	20	12			26.7	20	26.7	20	96
122+57	6	12	8.0					20	54
123+14	20	12			26.7	20	26.7	20	96
123+60	6	12	8.0					20	54
124+42	6	12	8.0					20	54
125+15	6	12	8.0					20	54
125+29	6	12	8.0					20	54
125+85	6	12	8.0					20	54
126+21	6	12	8.0					20	54
126+28	6	12	8.0					20	54
126+53	6	12	8.0					20	54
126+84	20	12			26.7	20	26.7	20	96
127+22	6	12	8.0					20	54
127+37	6	12	8.0					20	54
127+64	6	12	8.0					20	54
128+33	125	12			166.7	125	166.7	20	411
129+25	6	12	8.0					20	54
129+34	6	12	8.0					20	54
129+60	6	12	8.0					20	54
130+00	50	12			66.7	50	66.7	20	186
130+44	6	12	8.0					20	54
130+62	6	12	8.0					20	54
SUB TOTAL			543.9	0.0	433.6	325.0	433.6	1480.0	4863.0

PAVEMENT PATCHING SCHEDULE

LOCATION STATION	LENGTH	WIDTH	CLASS B PATCH			TIE BARS	PAVT FABRIC	DOWEL BARS	SAW CUTS
			10"						
			TYPE II	TYPE III	TYPE IV				
EB PASSING LANE	FOOT	FOOT	SQ YD	SQ YD	SQ YD	EACH	SQ YD	EACH	FOOT
104+73	6	12	8.0					20	54
105+00	6	12	8.0					20	54
105+28	6	12	8.0					20	54
105+81	6	12	8.0					20	54
106+22	6	12	8.0					20	54
107+17	6	12	8.0					20	54
108+00	6	12	8.0					20	54
108+21	6	12	8.0					20	54
108+50	6	12	8.0					20	54
109+18	6	12	8.0					20	54
109+32	6	12	8.0					20	54
110+27	6	12	8.0					20	54
110+48	6	12	8.0					20	54
110+78	6	12	8.0					20	54
111+34	6	12	8.0					20	54
111+45	6	12	8.0					20	54
111+62	6	12	8.0					20	54
111+81	6	12	8.0					20	54
112+28	6	12	8.0					20	54
112+45	6	12	8.0					20	54
112+75	6	12	8.0					20	54
113+25	6	12	8.0					20	54
113+54	6	12	8.0					20	54
113+77	6	12	8.0					20	54
114+32	6	12	8.0					20	54
114+75	10	12	13.3					20	66
115+40	20	12			26.7	20	26.7	20	96
115+65	6	12	8.0					20	54
115+80	6	12	8.0					20	54
116+00	6	12	8.0					20	54
116+14	6	12	8.0					20	54
116+30	6	12	8.0					20	54
116+57	6	12	8.0					20	54
116+70	6	12	8.0					20	54
116+84	6	12	8.0					20	54
116+98	6	12	8.0					20	54
117+63	6	12	8.0					20	54
117+77	6	12	8.0					20	54
118+31	6	12	8.0					20	54
118+51	6	12	8.0					20	54
118+71	6	12	8.0					20	54
118+87	6	12	8.0					20	54
119+51	6	12	8.0					20	54
120+00	6	12	8.0					20	54
120+30	6	12	8.0					20	54
120+66	6	12	8.0					20	54
121+26	6	12	8.0					20	54
121+69	20	12			26.7	20	26.7	20	96
122+57	6	12	8.0					20	54
123+14	20	12			26.7	20	26.7	20	96
123+60	6	12	8.0					20	54
124+42	6	12	8.0					20	54
125+15	6	12	8.0					20	54
125+29	6	12	8.0					20	54
125+85	6	12	8.0					20	54
126+21	6	12	8.0					20	54
126+28	6	12	8.0					20	54
126+53	6	12	8.0					20	54
126+84	20	12			26.7	20	26.7	20	96
127+22	6	12	8.0					20	54
127+37	6	12	8.0					20	54
127+64	6	12	8.0					20	54
128+33	125	12			166.7	125	166.7	20	411
129+25	6	12	8.0					20	54
129+34	6	12	8.0					20	54
129+60	6	12	8.0					20	54
130+00	50	12			66.7	50	66.7	20	186
130+44	6	12	8.0					20	54
130+62	6	12	8.0					20	54
SUB TOTAL			586.6	0.0	433.6	325.0	433.6	1480.0	4863.0

PLOT DATE = 12/86
 FILE NAME = ZK4398SCHED.DGN
 USER = JKC
 USER NAME = JKC

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULES OF QUANTITIES
 FAU ROUTE 6176 (ARMOUR ROAD)
 SEC (79)W&RS & 140RS
 KANKAKEE COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE _____

DRAWN BY: KKP
 CHECKED BY: JKC

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	16
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

• FAU ROUTE 6176 (ARMOUR ROAD)
 • SECTION (79)W&RS & 140RS

PAVEMENT PATCHING SCHEDULE

LOCATION STATION	LENGTH	WIDTH	CLASS B PATCH			TIE BARS	PAVT FABRIC	DOWEL BARS	SAW CUTS		
			10"								
			TYPE II	TYPE III	TYPE IV						
WB PASSING LANE	FOOT	FOOT	SQ YD	SQ YD	SQ YD	EACH	SQ YD	EACH	FOOT		
104+55	6	12	8.0					20	54		
104+73	6	12	8.0					20	54		
105+17	6	12	8.0					20	54		
105+54	6	12	8.0					20	54		
105+81	6	12	8.0					20	54		
106+22	6	12	8.0					20	54		
106+40	6	12	8.0					20	54		
106+68	20	12			26.7	20	26.7	20	96		
107+17	6	12	8.0					20	54		
107+42	6	12	8.0					20	54		
107+73	6	12	8.0					20	54		
108+00	6	12	8.0					20	54		
108+21	6	12	8.0					20	54		
108+40	6	12	8.0					20	54		
108+50	6	12	8.0					20	54		
108+68	6	12	8.0					20	54		
108+80	6	12	8.0					20	54		
109+08	6	12	8.0					20	54		
109+25	6	12	8.0					20	54		
109+50	6	12	8.0					20	54		
109+78	6	12	8.0					20	54		
110+05	6	12	8.0					20	54		
110+41	6	12	8.0					20	54		
110+78	6	12	8.0					20	54		
111+23	6	12	8.0					20	54		
111+39	6	12	8.0					20	54		
111+76	6	12	8.0					20	54		
112+28	6	12	8.0					20	54		
112+60	6	12	8.0					20	54		
112+75	6	12	8.0					20	54		
113+25	6	12	8.0					20	54		
113+54	6	12	8.0					20	54		
113+77	6	12	8.0					20	54		
114+21	6	12	8.0					20	54		
114+47	6	12	8.0					20	54		
114+80	6	12	8.0					20	54		
115+30	10	12	13.3					20	66		
115+54	6	12	8.0					20	54		
115+77	6	12	8.0					20	54		
116+20	10	12	13.3					20	66		
116+44	10	12	13.3					20	66		
116+79	6	12	8.0					20	54		
117+10	15	12		20.0			20.0	20	81		
117+40	6	12	8.0					20	54		
117+63	6	12	8.0					20	54		
117+84	6	12	8.0					20	54		
118+25	6	12	8.0					20	54		
118+45	10	12	13.3					20	66		
118+68	6	12	8.0					20	54		
118+80	6	12	8.0					20	54		
119+11	10	12	13.3					20	66		
119+60	40	12					53.3	40	53.3	20	156
120+24	20	12					26.7	20	26.7	20	96
120+50	6	12	8.0					20	54		
120+65	6	12	8.0					20	54		
120+75	6	12	8.0					20	54		
121+20	6	12	8.0					20	54		
121+50	6	12	8.0					20	54		
121+65	6	12	8.0					20	54		
121+87	6	12	8.0					20	54		
122+23	6	12	8.0					20	54		
123+10	110	12					146.7	110	146.7	20	366
123+90	6	12	8.0					20	54		
124+00	6	12	8.0					20	54		
124+42	6	12	8.0					20	54		
124+70	6	12	8.0					20	54		
125+15	10	12	13.3					20	66		
125+29	6	12	8.0					20	54		
125+73	6	12	8.0					20	54		
125+85	6	12	8.0					20	54		
126+19	6	12	8.0					20	54		
126+44	6	12	8.0					20	54		
126+98	6	12	8.0					20	54		
127+26	6	12	8.0					20	54		
127+64	6	12	8.0					20	54		
127+87	6	12	8.0					20	54		
127+93	6	12	8.0					20	54		
128+35	6	12	8.0					20	54		
128+65	6	12	8.0					20	54		
129+24	6	12	8.0					20	54		
129+40	6	12	8.0					20	54		
129+60	6	12	8.0					20	54		
129+73	6	12	8.0					20	54		
130+26	8	12	10.7					20	60		
130+44	6	12	8.0					20	54		
130+62	6	12	8.0					20	54		
SUB TOTAL			741.2	20.0	53.4	40.0	73.4	1840.0	5145.0		
TOTAL			2508.9	40.0	1033.7	775.0	1073.7	6480.0	19725.0		

PLOT DATE = 12/06
 FILE NAME = Z0438SCHED.DGN
 USER = JKP

PAVEMENT PATCHING SCHEDULE

LOCATION STATION	LENGTH	WIDTH	CLASS B PATCH			TIE BARS	PAVT FABRIC	DOWEL BARS	SAW CUTS
			10"						
			TYPE II	TYPE III	TYPE IV				
WB DRIVING LANE	FOOT	FOOT	SQ YD	SQ YD	SQ YD	EACH	SQ YD	EACH	FOOT
104+55	6	12	8.0					20	54
104+73	6	12	8.0					20	54
105+17	6	12	8.0					20	54
105+54	6	12	8.0					20	54
105+81	6	12	8.0					20	54
106+22	6	12	8.0					20	54
106+40	6	12	8.0					20	54
106+58	6	12	8.0					20	54
106+78	6	12	8.0					20	54
107+17	6	12	8.0					20	54
107+42	6	12	8.0					20	54
107+73	6	12	8.0					20	54
108+21	40	12			53.3	40	53.3	20	156
108+50	6	12	8.0					20	54
108+68	6	12	8.0					20	54
108+80	30	12			40.0	30	40.0	20	126
109+25	6	12	8.0					20	54
109+50	6	12	8.0					20	54
109+78	6	12	8.0					20	54
110+05	6	12	8.0					20	54
110+65	75	12			100.0	75	100.0	20	261
111+23	6	12	8.0					20	54
111+39	6	12	8.0					20	54
111+76	6	12	8.0					20	54
112+28	6	12	8.0					20	54
112+60	6	12	8.0					20	54
112+75	6	12	8.0					20	54
113+25	6	12	8.0					20	54
113+54	6	12	8.0					20	54
113+77	6	12	8.0					20	54
114+21	6	12	8.0					20	54
114+47	6	12	8.0					20	54
114+80	6	12	8.0					20	54
115+30	10	12	13.3					20	66
115+54	6	12	8.0					20	54
115+77	6	12	8.0					20	54
116+20	6	12	8.0					20	54
116+44	6	12	8.0					20	54
116+79	6	12	8.0					20	54
117+10	6	12	8.0					20	54
117+40	6	12	8.0					20	54
117+63	6	12	8.0					20	54
117+74	6	12	8.0					20	54
118+25	6	12	8.0					20	54
118+45	10	12	13.3					20	66
118+68	6	12	8.0					20	54
118+80	6	12	8.0					20	54
119+11	10	12	13.3					20	66
119+60	40	12			53.3	40	53.3	20	156
120+24	20	12			26.7	20	26.7	20	96
120+50	6	12	8.0					20	54
120+65	6	12	8.0					20	54
120+75	6	12	8.0					20	54
121+20	6	12	8.0					20	54
121+50	6	12	8.0					20	54
121+65	6	12	8.0					20	54
121+87	6	12	8.0					20	54
122+23	6	12	8.0					20	54
123+10	110	12			146.7	110	146.7	20	366
123+90	6	12	8.0					20	54
124+00	6	12	8.0					20	54
124+42	6	12	8.0					20	54
124+70	6	12	8.0					20	54
125+15	10	12	13.3					20	66
125+29	6	12	8.0					20	54
125+73	6	12	8.0					20	54
125+85	6	12	8.0					20	54
126+19	6	12	8.0					20	54
126+44	6	12	8.0					20	54
126+75	15	12			20.0		20.0	20	81
126+98	6	12	8.0					20	54
127+26	6	12	8.0					20	54
127+64	6	12	8.0					20	54
127+87	6	12	8.0					20	54
127+93	6	12	8.0					20	54
128+35	6	12	8.0					20	54
128+65	6	12	8.0					20	54
129+24	6</								

STRUCTURE NO.	1	--	--	STRUCTURE NO.
STA	103+48.5	--	--	STA
OFFSET	37.1 LT	--	--	OFFSET
STRUCTURE TYPE	CB(EXIST)	--	--	STRUCTURE TYPE
F&G TYPE	(EXIST)	--	--	F&G TYPE
RIM ELEVATION	675.33	--	--	RIM ELEVATION
EAST INVERT	672.91	--	--	EAST INVERT
WEST INVERT	672.91	--	--	WEST INVERT
NORTH INVERT	--	--	--	NORTH INVERT
SOUTH INVERT	--	--	--	SOUTH INVERT
PIPE NUMBER	(-)	(-)	(-)	PIPE NUMBER
SIZE	--	--	--	SIZE
LENGTH	--	--	--	LENGTH
CLASS	--	--	--	CLASS
TYPE	--	--	--	TYPE
% SLOPE	--	--	--	% SLOPE
T.B.	--	--	--	T.B.

DATE	07/26/03
BY	CHAMLIN
CHECKED	JSC
DATE	07/26/03
BY	CHAMLIN
CHECKED	JSC
DATE	07/26/03
BY	CHAMLIN
CHECKED	JSC

DATE	07/26/03
BY	CHAMLIN
CHECKED	JSC
DATE	07/26/03
BY	CHAMLIN
CHECKED	JSC
DATE	07/26/03
BY	CHAMLIN
CHECKED	JSC

SCALE IN FEET
 • FAU ROUTE 6176 (ARMOUR ROAD)
 • SECTION (79)W&RS & 14ORS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
••	••	KANKAKEE	109	17
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

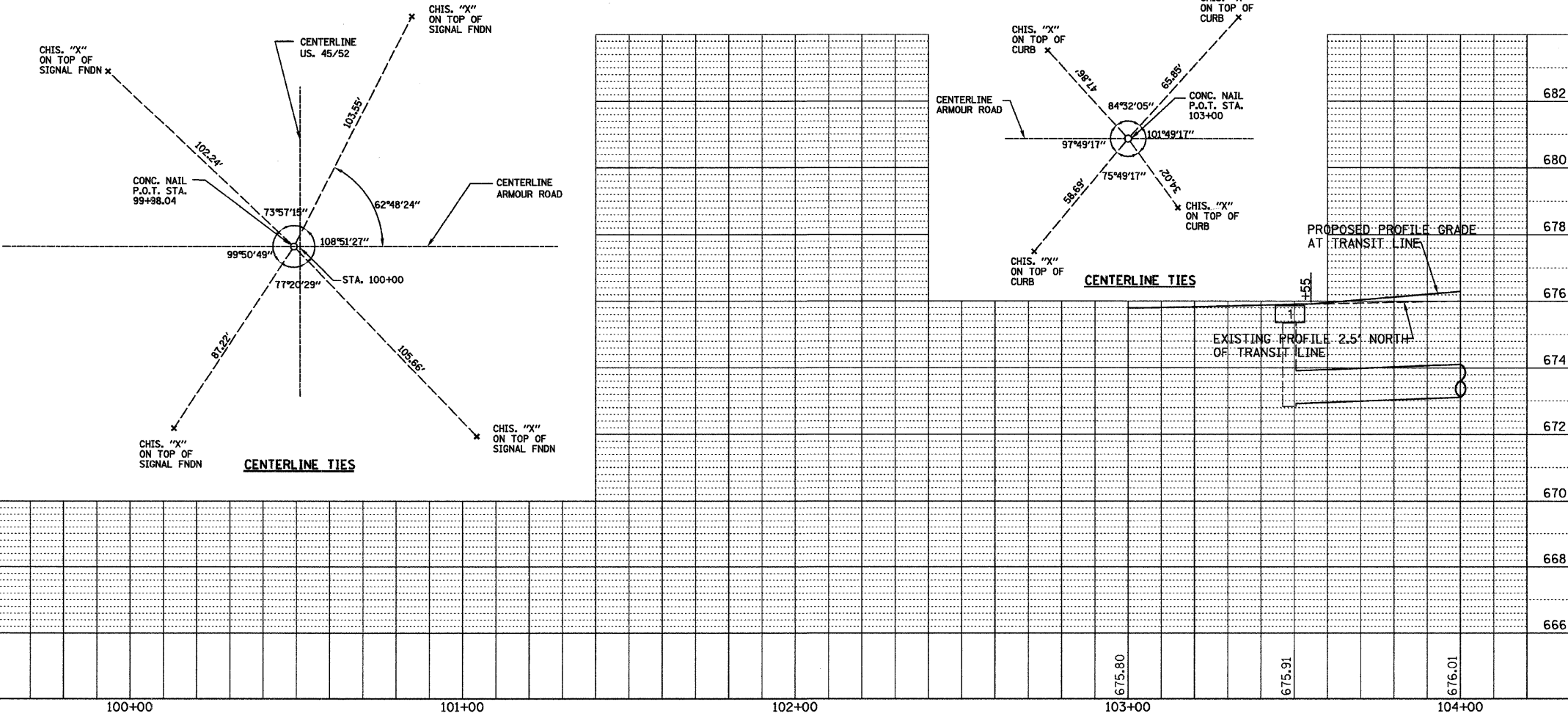
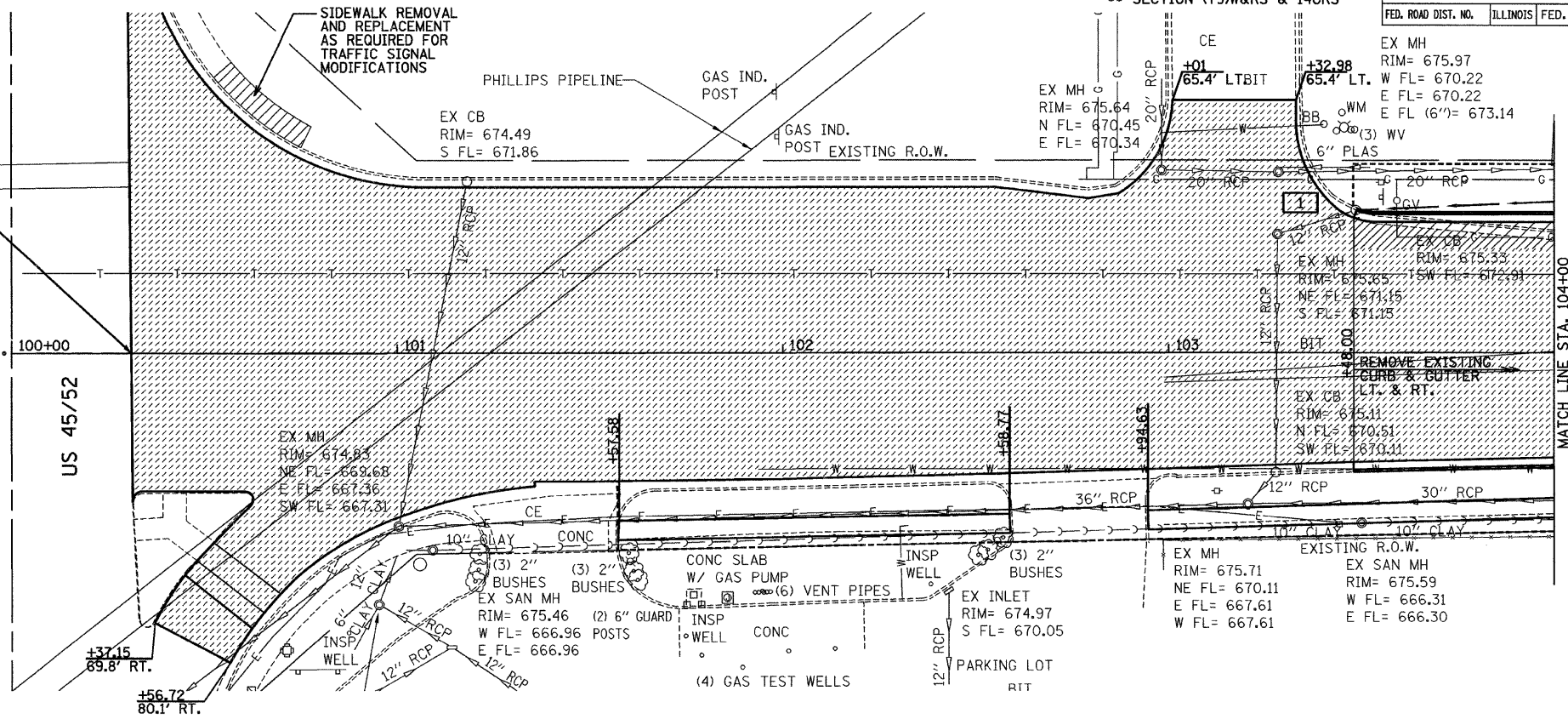
BEGIN CONSTRUCTION
 STA. 100+31.08

NOTES:
 OFFSETS SHOWN ARE TO EDGE OF PAVEMENT OR TO FLARED END SECTIONS. WHERE STRUCTURE IS NOT IN CURB AND GUTTER OFFSET IS TO CENTER OF STRUCTURE. RIM ELEVATIONS ARE AT FLOWLINE OF GUTTER OR TOP OF GRATE/LID.
 • FLAT SLAB TOP REQUIRED
 I-A - INLET TYPE A
 I-B - INLET TYPE B
 PRCFES - PRECAST REINFORCED CONCRETE FLARED END SECTIONS
 A(RG) - CLASS A RUBBER GASKET (SEE SPECIAL PROVISIONS)
 WM - WATERMAIN (SEE SPECIAL PROVISIONS)
 T.B.- TRENCH BACKFILL (CU YD)

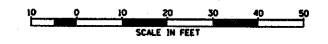
LEGEND

	HOT-MIX ASPHALT SURFACE REMOVAL COMPLETE
	PAVEMENT REMOVAL
	PAVEMENT WIDENING

BENCHMARK "W"
 CHISELED "X" ON NORTH BOLT ON FIRE HYDRANT AT S.W. CORNER OF ARMOUR ROAD AND BELLE AIRE AVENUE
 ELEV. 677.65



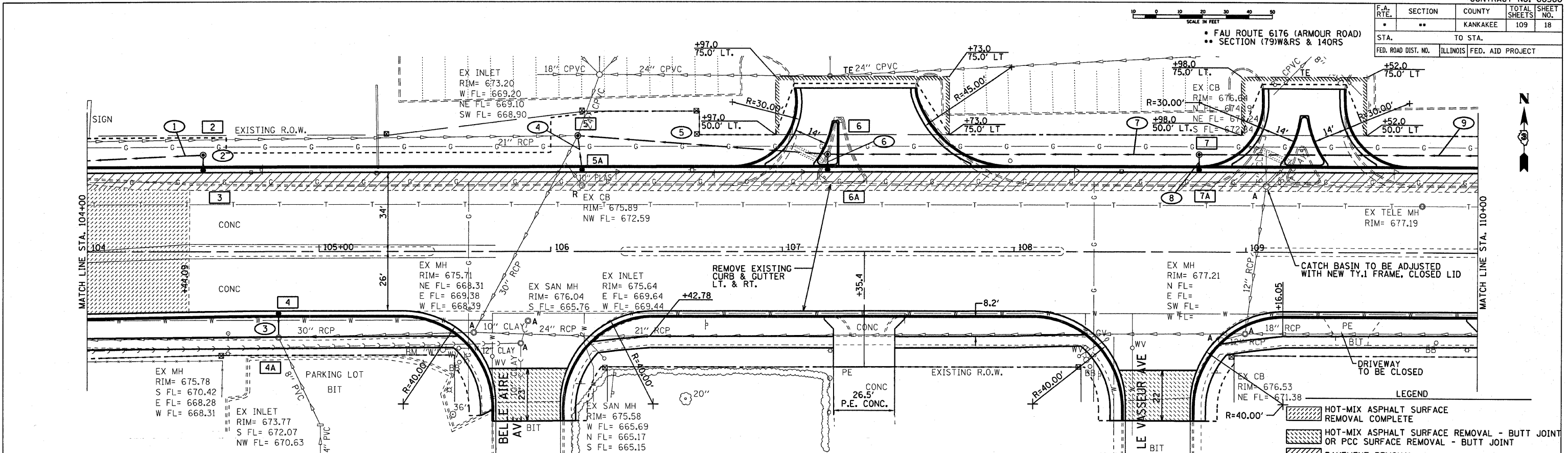
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
**	**	KANKAKEE	109	18
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



FAU ROUTE 6176 (ARMOUR ROAD)
SECTION (79)W&RS & 14ORS

DATE	BY	DATE	BY
11/20/03	CHAMIN	11/20/03	CHAMIN
12/03/03	CHAMIN	12/03/03	CHAMIN
01/03/04	CHAMIN	01/03/04	CHAMIN

DATE	BY	DATE	BY
11/20/03	CHAMIN	11/20/03	CHAMIN
12/03/03	CHAMIN	12/03/03	CHAMIN
01/03/04	CHAMIN	01/03/04	CHAMIN



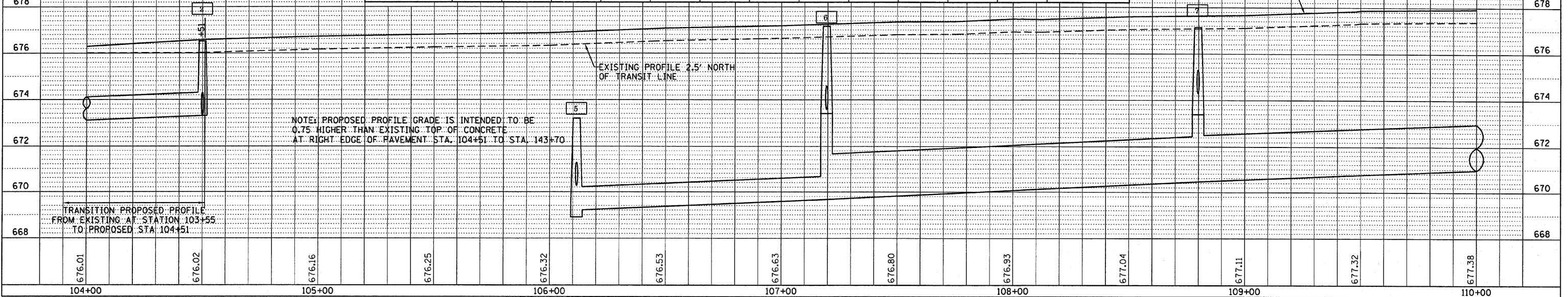
BENCHMARK "W"
CHISELED "X" ON NORTH BOLT ON FIRE HYDRANT AT S.W.
CORNER OF ARMOUR ROAD AND BELLE AIRE AVENUE
ELEV. 677.65

STRUCTURE NO.	2	3	4	4A	5	5A	6	6A	7	7A	-	-	STRUCTURE NO.
STA	104+50.0	104+50.0	104+82.6	104+82.6	106+11.6	106+13.5	107+19.5	107+19.5	108+79.8	108+79.8	--	--	STA
OFFSET	41.58 LT	34.0 LT	26.0 RT	37.4 RT	49.6 LT	34.0 LT	41.6 LT	34.0 LT	41.6 LT	34.0 LT	--	--	OFFSET
STRUCTURE TYPE	MH TA 4	CB-C	CB-C	MH(EXIST)	MH TA 8	CB-C	MH TA 5	CB-C	MH TA 5	CB-C	--	--	STRUCTURE TYPE
F&G TYPE	1 CL	3	3	--	1 OL	3	1 CL	4	1 CL	3	--	--	F&G TYPE
RIM ELEVATION	676.51	675.65	676.00	675.78	673.20	675.98	677.16	676.36	677.14	676.54	--	--	RIM ELEVATION
EAST INVERT	--	--	--	668.28	668.90	--	669.60	--	670.48	--	--	--	EAST INVERT
WEST INVERT	673.31	--	--	668.31	669.20	--	669.60	--	670.48	--	--	--	WEST INVERT
NORTH INVERT	--	673.34	--	672.96	669.10	670.33	--	673.61	--	674.33	--	--	NORTH INVERT
SOUTH INVERT	673.31	--	673.00	670.42	--	--	673.58	--	674.30	--	--	--	SOUTH INVERT
PIPE NUMBER	1	2	3	4	5	6	7	8	9	-	-	PIPE NUMBER	
SIZE	12"	12"	12"	12"	12"	12"	24"	12"	24"	--	--	SIZE	
LENGTH	101'	7'	10'	15'	108'	7'	160'	7'	140'	--	--	LENGTH	
CLASS	A (RG)	A	A (RG)	A	A (RG)	A	A (RG)	A	A (RG)	--	--	CLASS	
TYPE	1	1	1	1	2	1	2	1	2	--	--	TYPE	
% SLOPE	0.40%	0.40%	0.40%	0.40%	0.65%	0.40%	0.55%	0.40%	0.40%	--	--	% SLOPE	
T.B.	--	--	--	--	23.2	1.1	75.6	--	54.0	--	--	T.B.	

*** PIPE SIZE DECREASES FROM 24" TO 12" AT STRUCTURE 6 FOR STORM WATER DETENTION PURPOSES.

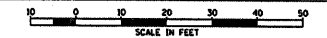
*** 668.90(E) & 670.27(P)

PROPOSED PROFILE GRADE AT TRANSIT LINE



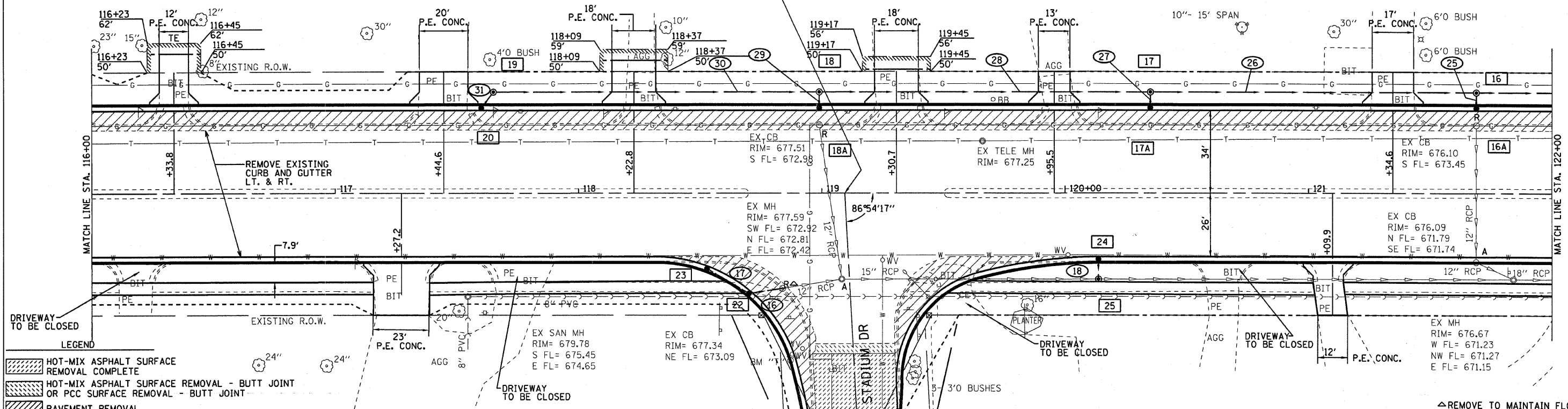
NOTE: PROPOSED PROFILE GRADE IS INTENDED TO BE 0.75' HIGHER THAN EXISTING TOP OF CONCRETE AT RIGHT EDGE OF PAVEMENT STA. 104+51 TO STA. 143+70

TRANSITION PROPOSED PROFILE FROM EXISTING AT STATION 103+55 TO PROPOSED STA. 104+51



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	KANKAKEE	109	20
STA. 116+00 TO STA. 122+00		ILLINOIS FED. AID PROJECT		

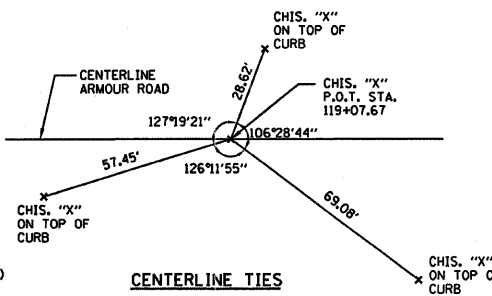
STA. 119+09.43 ARMOUR ROAD=
STA. 200+00.00 STADIUM DRIVE



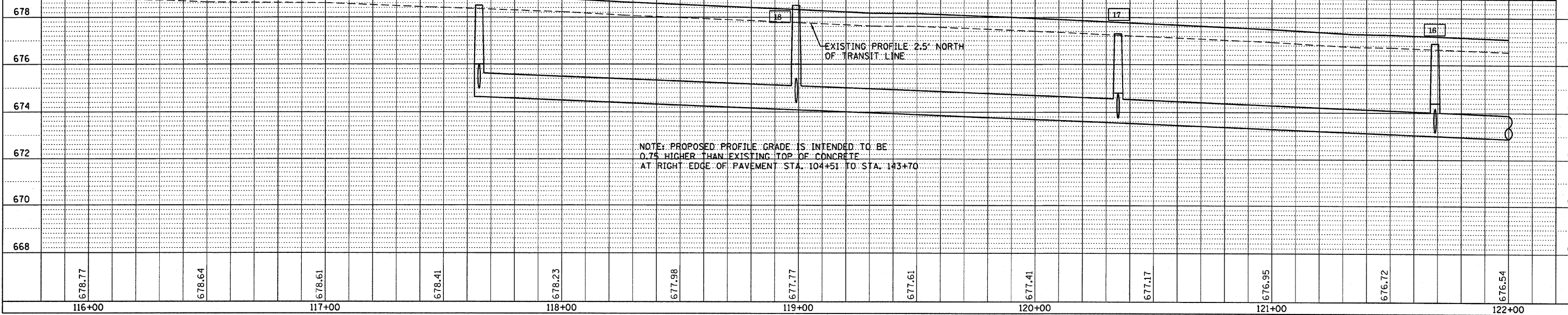
- LEGEND**
- HOT-MIX ASPHALT SURFACE REMOVAL COMPLETE
 - HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT OR PCC SURFACE REMOVAL - BUTT JOINT
 - PAVEMENT REMOVAL
 - PAVEMENT WIDENING

BENCHMARK "T"
TOP OF 5/8 NUT ON FIRE HYDRANT AT S.W. CORNER OF ARMOUR ROAD AND STADIUM DRIVE
ELEV. 682.41

NOTES:
OFFSETS SHOWN ARE TO EDGE OF PAVEMENT OR TO FLARED END SECTIONS, WHERE STRUCTURE IS NOT IN CURB AND GUTTER OFFSET IS TO CENTER OF STRUCTURE. RIM ELEVATIONS ARE AT FLOWLINE OF GUTTER OR TOP OF GRATE/LID.
• FLAT SLAB TOP REQUIRED
I-A - INLET TYPE A
I-B - INLET TYPE B
P.C.F.C.S. - PRECAST REINFORCED CONCRETE FLARED END SECTIONS
A(RG) - CLASS A RUBBER GASKET (SEE SPECIAL PROVISIONS)
WM - WATERMAIN (SEE SPECIAL PROVISIONS)
T.B. - TRENCH BACKFILL (CU YD)



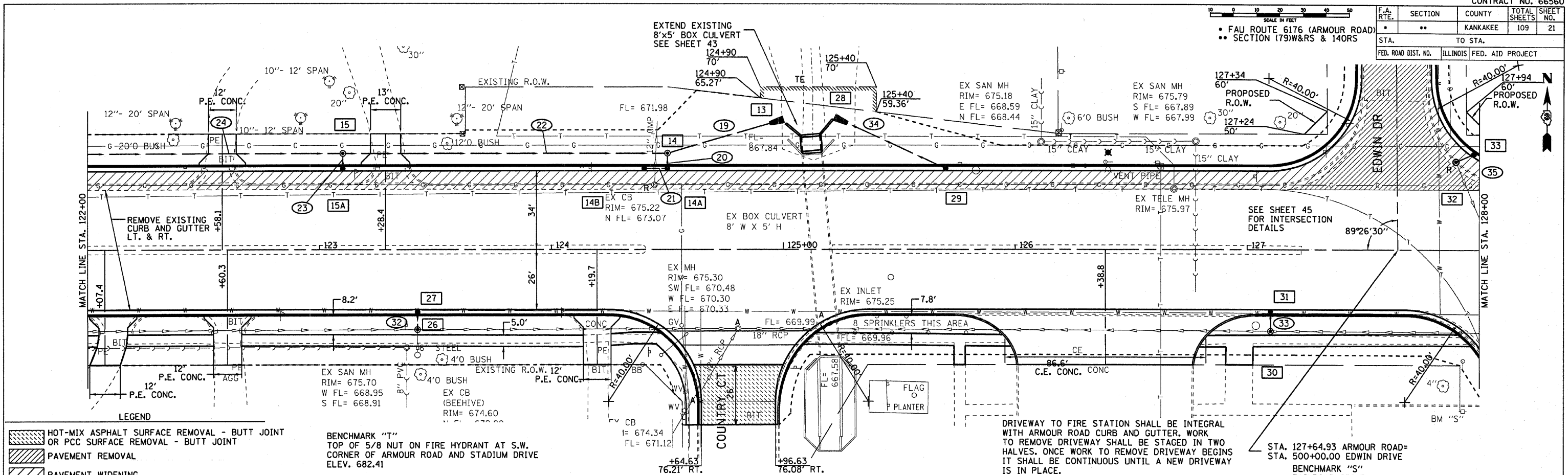
STRUCTURE NO.	20	19	18	18A	17	17A	16	16A	23	22	21	24	25	---	---	STRUCTURE NO.
STA	117+60.0	117+65.0	118+99.0	118+99.0	120+35.0	120+35.0	121+68.9	121+68.9	118+53.2	118+70.7	NOT	120+13.7	120+13.7	--	--	STA
OFFSET	34.0 LT	41.6 LT	41.6 LT	34.0 LT	41.6 LT	34.0 LT	41.6 LT	34.0 LT	29.9 RT	40.2 RT	USED	26.0 RT	35.2 RT	--	--	OFFSET
STRUCTURE TYPE	CB-C	MH TA 4	MH TA 4	CB-C	MH TA 4	CB-C	MH TA 4	CB-C	CB-C	CB-C	--	CB-C	MH TA 4	--	--	STRUCTURE TYPE
F&G TYPE	3	1 CL	1 CL	3	1 CL	3	1 CL	3	3	3	--	3	1 CL	--	--	F&G TYPE
RIM ELEVATION	678.03	678.50	678.50	677.43	677.30	676.90	676.90	676.31	677.76	677.50	--	677.14	677.80	--	--	RIM ELEVATION
EAST INVERT	--	674.63	674.09	--	673.55	--	673.01	--	674.76	672.48	--	--	671.97±	--	--	EAST INVERT
WEST INVERT	--	--	674.09	--	673.55	--	673.01	--	--	674.68	--	--	671.97±	--	--	WEST INVERT
NORTH INVERT	675.02	--	--	674.43	--	673.79	--	673.20	--	--	--	--	674.13	--	--	NORTH INVERT
SOUTH INVERT	--	674.98	674.40	--	673.76	--	673.17	--	--	--	--	--	674.14	--	--	SOUTH INVERT
PIPE NUMBER	17	16	18	25	26	27	28	29	30	31	-	-	-	-	-	PIPE NUMBER
SIZE	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	--	--	--	--	--	SIZE
LENGTH	20'	15'	8'	7'	134'	7'	136'	7'	134'	8'	--	--	--	--	--	LENGTH
CLASS	A	A	A	A	A (RG)	A	A (RG)	A	A (RG)	A	--	--	--	--	--	CLASS
TYPE	1	2	1	1	1	1	1	1	1	1	--	--	--	--	--	TYPE
% SLOPE	0.40%	0.40%	0.40%	0.40%	0.40%	0.40%	0.40%	0.40%	0.40%	0.40%	--	--	--	--	--	% SLOPE
T.B.	3.9	5.4	--	--	5.0	--	10.5	--	6.1	--	--	--	--	--	--	T.B.



NOTE: PROPOSED PROFILE GRADE IS INTENDED TO BE 0.75 HIGHER THAN EXISTING TOP OF CONCRETE AT RIGHT EDGE OF PAVEMENT STA. 104+51 TO STA. 143+70

FAU ROUTE 6176 (ARMOUR ROAD)
SECTION 179W&RS & 140RS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	21
STA. TO STA.		ILLINOIS FED. AID PROJECT		



LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT OR PCC SURFACE REMOVAL - BUTT JOINT
- PAVEMENT REMOVAL
- PAVEMENT WIDENING

BENCHMARK "T"
TOP OF 5/8 NUT ON FIRE HYDRANT AT S.W. CORNER OF ARMOUR ROAD AND STADIUM DRIVE ELEV. 682.41

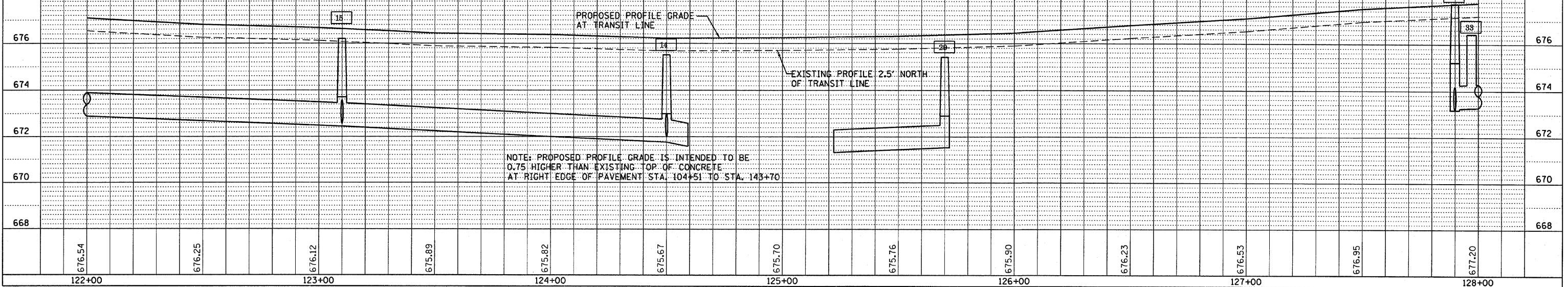
DRIVEWAY TO FIRE STATION SHALL BE INTEGRAL WITH ARMOUR ROAD CURB AND GUTTER. WORK TO REMOVE DRIVEWAY SHALL BE STAGED IN TWO HALVES. ONCE WORK TO REMOVE DRIVEWAY BEGINS IT SHALL BE CONTINUOUS UNTIL A NEW DRIVEWAY IS IN PLACE.

STA. 127+64.93 ARMOUR ROAD= STA. 500+00.00 EDWIN DRIVE
BENCHMARK "S"
RAILROAD SPIKE IN POWER POLE AT S.W. CORNER OF ARMOUR ROAD AND TOMAGENE DRIVE ELEV. 677.44

NOTES:
OFFSETS SHOWN ARE TO EDGE OF PAVEMENT OR TO FLARED END SECTIONS, WHERE STRUCTURE IS NOT IN CURB AND GUTTER OFFSET IS TO CENTER OF STRUCTURE. RIM ELEVATIONS ARE AT FLOWLINE OF GUTTER OR TOP OF GRATE/LID.
* FLAT SLAB TOP REQUIRED

I-A - INLET TYPE A
I-B - INLET TYPE B
PRCFES - PRECAST REINFORCED CONCRETE FLARED END SECTIONS
AIRG - CLASS A RUBBER GASKET (SEE SPECIAL PROVISIONS)
WM - WATERMAIN (SEE SPECIAL PROVISIONS)
T.B. - TRENCH BACKFILL (CU YD)

STRUCTURE NO.	15	15A	14	14A	14B	13	27	26	28	29	31	30	33	32	---	---	STRUCTURE NO.
STA	123+10.0	123+10.0	124+50.0	124+50.0	124+40.0	124+99.9	123+42.2	123+42.2	125+22.1	125+70.0	127+10.0	127+10.0	127+97.1	127+89.9	--	--	STA
OFFSET	41.6 LT	34.0 LT	41.6 LT	34.0 LT	34.0 LT	56.1 LT	26.0 RT	34.7 RT	57.0 LT	34.0 LT	26.0 RT	35.3 RT	40.7 LT	38.2 LT	--	--	OFFSET
STRUCTURE TYPE	MH TA 4	CB-C	MH TA 4	CB-C	CB-C	PRCFES	CB-C	MH TA 4	PRCFES	CB-C	CB-C	MH TA 4	CB-C	MH TA 4	--	--	STRUCTURE TYPE
F&G TYPE	1 CL	3	1 CL	3	3	--	3	1 CL	--	3	3	1 CL	3	1 CL	--	--	F&G TYPE
RIM ELEVATION	676.20	675.73	675.50	675.33	675.36	--	675.78	675.00	--	675.41	676.46	676.80	676.43	677.72	--	--	RIM ELEVATION
EAST INVERT	672.45	--	--	--	672.18	--	--	670.40±	671.30	--	--	670.9±	673.28	673.25	--	--	EAST INVERT
WEST INVERT	672.45	--	671.75	672.14	--	671.52	--	670.70±	--	671.51	--	670.9±	673.28	--	--	--	WEST INVERT
NORTH INVERT	--	672.60	671.75	672.04	--	--	--	672.75	--	--	--	673.43	--	--	--	--	NORTH INVERT
SOUTH INVERT	672.57	--	672.00	--	--	--	672.78	672.75	--	--	673.46	--	--	673.19	--	--	SOUTH INVERT
PIPE NUMBER	19	20	21	22	23	24	32	33	34	35	--	--	--	--	--	--	PIPE NUMBER
SIZE	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"	--	--	--	--	--	--	SIZE
LENGTH	46'	7'	10'	140'	7'	141'	8'	9'	53'	8'	--	--	--	--	--	--	LENGTH
CLASS	A	A	A	A (RG)	A	A (RG)	A	A (RG)	A	A	--	--	--	--	--	--	CLASS
TYPE	1	1	1	1	1	1	1	1	1	1	--	--	--	--	--	--	TYPE
% SLOPE	1.00%	0.40%	0.40%	0.50%	0.40%	0.40%	0.40%	0.40%	0.40%	0.40%	--	--	--	--	--	--	% SLOPE
T.B.	--	--	1.3	4.0	--	3.4	--	--	--	--	1.8	--	--	--	--	--	T.B.

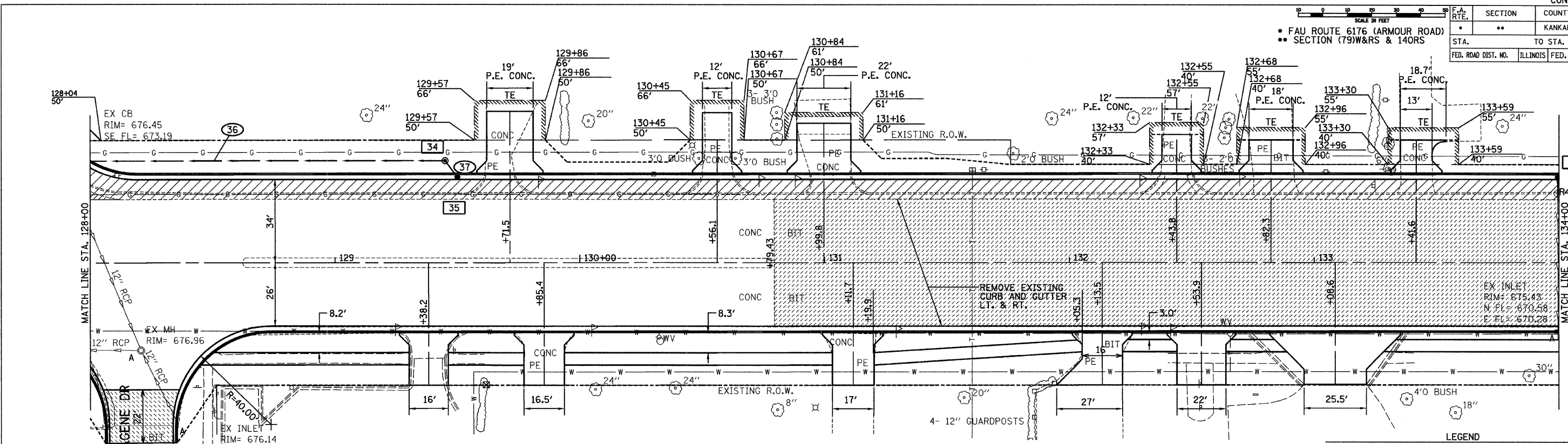


FAU ROUTE 6176 (ARMOUR ROAD)
SECTION (79)W&RS & 140RS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	22
STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.				

DATE	BY	REVISION
02/03	JAC	AS NOTED
02/03	JAC	AS NOTED
02/03	JAC	AS NOTED

DATE	BY	REVISION
02/03	JAC	AS NOTED
02/03	JAC	AS NOTED
02/03	JAC	AS NOTED

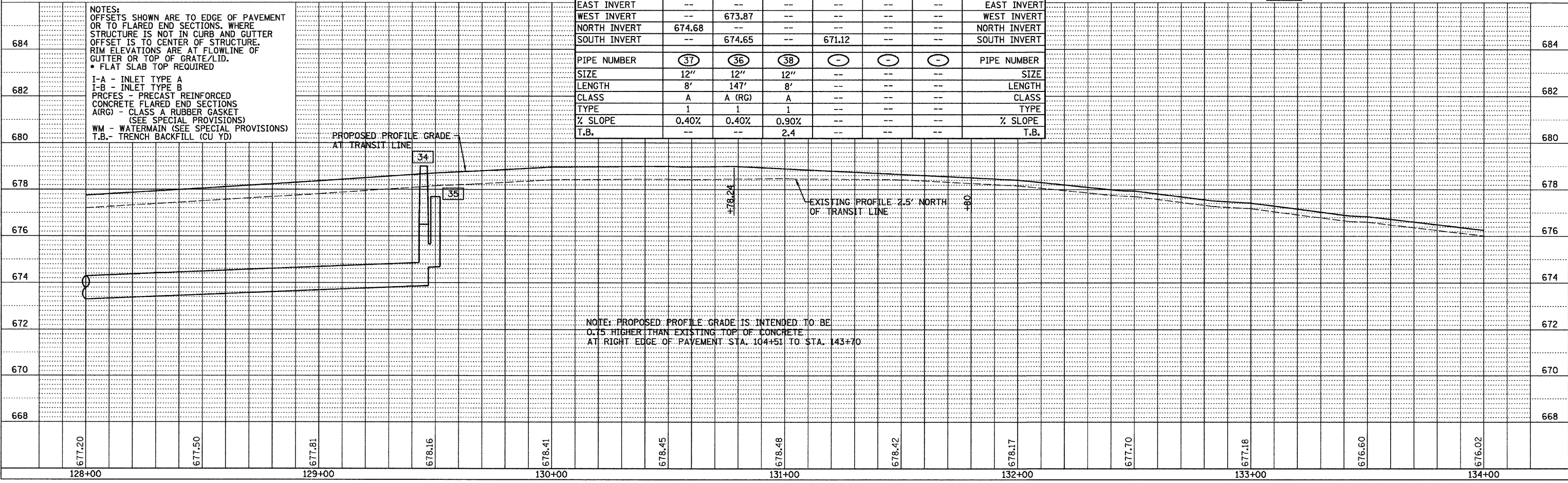


BENCHMARK "S"
RAILROAD SPIKE IN POWER POLE AT S.W.
CORNER OF ARMOUR ROAD AND TOMAGENE DRIVE
ELEV. 677.44

STRUCTURE NO.	35	34	36	37	-	-	STRUCTURE NO.
STA	129+50.0	129+45.0	NOT	134+00.0	--	--	STA
OFFSET	34.0 LT	41.6 LT	USED	34.0 LT	--	--	OFFSET
STRUCTURE TYPE	CB-C	MH TA 4	--	CB-C	--	--	STRUCTURE TYPE
F&G TYPE	3	1 CL	--	3	--	--	F&G TYPE
RIM ELEVATION	677.82	679.00	--	675.43	--	--	RIM ELEVATION
EAST INVERT	--	--	--	--	--	--	EAST INVERT
WEST INVERT	--	673.87	--	--	--	--	WEST INVERT
NORTH INVERT	674.68	--	--	--	--	--	NORTH INVERT
SOUTH INVERT	--	674.65	--	671.12	--	--	SOUTH INVERT
PIPE NUMBER	37	36	38	-	-	-	PIPE NUMBER
SIZE	12"	12"	12"	--	--	--	SIZE
LENGTH	8'	147'	8'	--	--	--	LENGTH
CLASS	A	A (RG)	A	--	--	--	CLASS
TYPE	1	1	1	--	--	--	TYPE
% SLOPE	0.40%	0.40%	0.90%	--	--	--	% SLOPE
T.B.	--	--	2.4	--	--	--	T.B.

LEGEND

	HOT-MIX ASPHALT SURFACE REMOVAL COMPLETE
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT OR PCC SURFACE REMOVAL - BUTT JOINT
	PAVEMENT REMOVAL
	PAVEMENT WIDENING



NOTE: PROPOSED PROFILE GRADE IS INTENDED TO BE 0.15 HIGHER THAN EXISTING TOP OF CONCRETE AT RIGHT EDGE OF PAVEMENT STA. 104+51 TO STA. 143+70

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	KANKAKEE	109	23
STA. TO STA.				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
• FAU ROUTE 6176 (ARMOUR ROAD)				
•• SECTION (79)W&RS & 140RS				

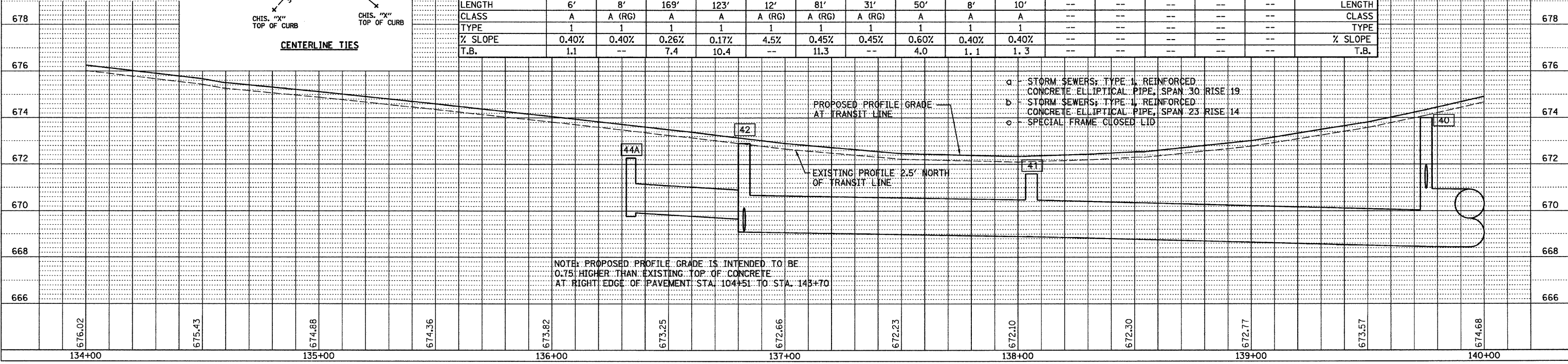
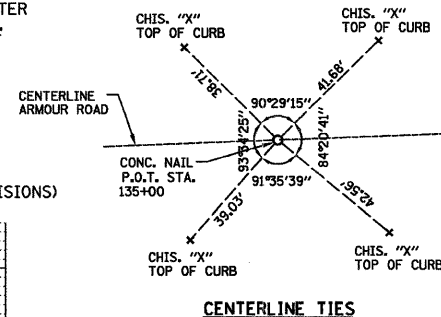
DATE: 10/20/03
BY: CHAMIN LAB
SURVEYED: []
ALIGNED: []
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NOTE BOOK NO.: []
PLAN FILE NAME: []

DATE: 10/20/03
BY: CHAMIN LAB
SURVEYED: []
GRADES CHECKED: []
NOTE BOOK NO.: []
PROFILE FILE NAME: []

BENCHMARK "R"
RAILROAD SPIKE IN POWER POLE AT N.E. CORNER
OF ERNEST MOONEY DRIVE AND ARMOUR ROAD
ELEV. 673.44

NOTES:
OFFSETS SHOWN ARE TO EDGE OF PAVEMENT
OR TO FLARED END SECTIONS, WHERE
STRUCTURE IS NOT IN CURB AND GUTTER
OFFSET IS TO CENTER OF STRUCTURE.
RIM ELEVATIONS ARE AT FLOWLINE OF
GUTTER OR TOP OF GRATE/LID.
• FLAT SLAB TOP REQUIRED

I-A - INLET TYPE A
I-B - INLET TYPE B
PRCFES - PRECAST REINFORCED
CONCRETE FLARED END SECTIONS
A(RG) - CLASS A RUBBER GASKET
(SEE SPECIAL PROVISIONS)
WM - WATERMAIN (SEE SPECIAL PROVISIONS)
T.B.- TRENCH BACKFILL (CU YD)



STRUCTURE NO.	46	44A	44	43	42	45	40	40A	41	47	47A	49	---	---	STRUCTURE NO.
STA	136+30.6	136+33.9	136+83.5	136+82.3	136+82.5	136+72.9	139+75.1	139+75.1	138+05.8	138+80.8	137+90.8	NOT	---	---	STA
OFFSET	42.4 LT	76.9 LT	77.1 LT	45.3 LT	34.9 RT	26.0 RT	35.1 RT	26.0 RT	34.2 RT	34.0 LT	34.0 LT	USED	---	---	OFFSET
STRUCTURE TYPE	CB-C	CB-C	MH TA 5	MH TA 5	MH TA 6	CB (EXIST)	MH TA 5	CB-C	MH TA 6	CB-C	CB-C	---	---	---	STRUCTURE TYPE
F&G TYPE	3	8	8	3	1 CL	---	1 CL	3V	c	3	3	---	---	---	F&G TYPE
RIM ELEVATION	672.32	672.27	671.89	672.18	---	---	674.00	673.50	671.70	671.44	671.44	---	---	---	RIM ELEVATION
EAST INVERT	---	669.94	---	---	669.10	---	668.45	---	668.89	---	669.44	---	---	---	EAST INVERT
WEST INVERT	---	---	669.64	---	669.24	---	668.45	---	668.89	669.44	---	---	---	---	WEST INVERT
NORTH INVERT	---	---	---	669.50	669.14	669.58	670.97	---	669.20±	---	---	---	---	---	NORTH INVERT
SOUTH INVERT	670.34	---	669.64	669.50	---	669.68	---	670.50	669.05±	669.44	---	---	---	---	SOUTH INVERT
PIPE NUMBER	39	45	46	47	48	49	49A	50	41	40	---	---	---	---	PIPE NUMBER
SIZE	12"	12"	a	a	12"	b	b	15"	12"	12"	---	---	---	---	SIZE
LENGTH	6'	8'	169'	123'	12'	81'	31'	50'	8'	10'	---	---	---	---	LENGTH
CLASS	A	A (RG)	A	A	A (RG)	A (RG)	A (RG)	A	A	A	---	---	---	---	CLASS
TYPE	1	1	1	1	1	1	1	1	1	1	---	---	---	---	TYPE
% SLOPE	0.40%	0.40%	0.26%	0.17%	4.5%	0.45%	0.45%	0.60%	0.40%	0.40%	---	---	---	---	% SLOPE
T.B.	1.1	---	7.4	10.4	---	11.3	---	4.0	1.1	1.3	---	---	---	---	T.B.

NOTE: PROPOSED PROFILE GRADE IS INTENDED TO BE
0.75' HIGHER THAN EXISTING TOP OF CONCRETE
AT RIGHT EDGE OF PAVEMENT STA. 104+51 TO STA. 143+70

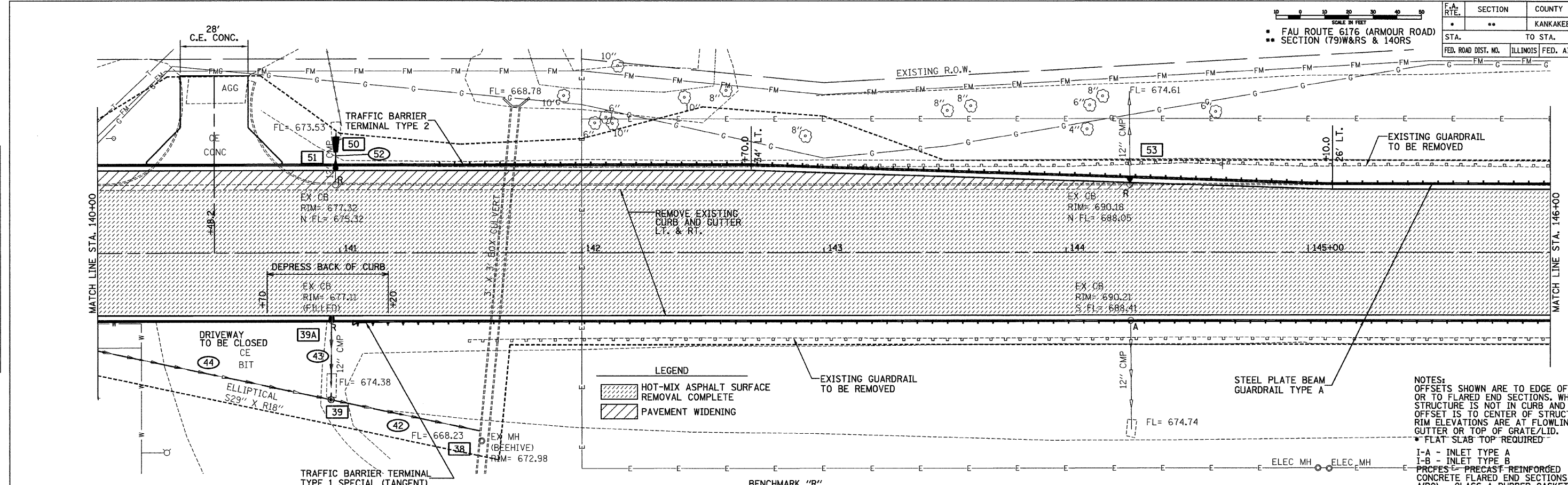
a - STORM SEWERS: TYPE 1, REINFORCED
CONCRETE ELLIPTICAL PIPE, SPAN 30' RISE 19
b - STORM SEWERS: TYPE 1, REINFORCED
CONCRETE ELLIPTICAL PIPE, SPAN 23' RISE 14
c - SPECIAL FRAME CLOSED LID

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	24
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

FAU ROUTE 6176 (ARMOUR ROAD)
SECTION (79)W&RS & 140RS

DATE	BY	DATE	BY
10/20/03	CHAMLIN	10/20/03	CHAMLIN
10/20/03	LAB	10/20/03	LAB
10/20/03	JAC	10/20/03	JAC

DATE	BY	DATE	BY
10/20/03	CHAMLIN	10/20/03	CHAMLIN
10/20/03	LAB	10/20/03	LAB
10/20/03	JAC	10/20/03	JAC



LEGEND

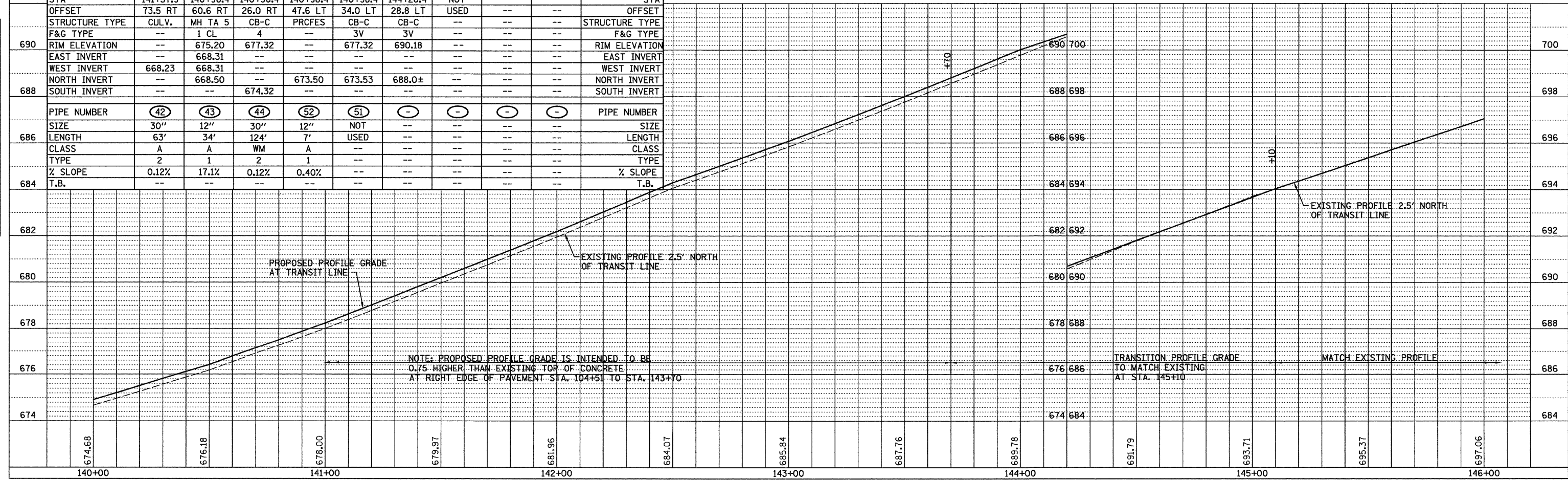
[Hatched Pattern]	HOT-MIX ASPHALT SURFACE REMOVAL COMPLETE
[Diagonal Lines]	PAVEMENT WIDENING

NOTES:
OFFSETS SHOWN ARE TO EDGE OF PAVEMENT OR TO FLARED END SECTIONS, WHERE STRUCTURE IS NOT IN CURB AND GUTTER OFFSET IS TO CENTER OF STRUCTURE. RIM ELEVATIONS ARE AT FLOWLINE OF GUTTER OR TOP OF GRATE/LID.
* FLAT SLAB TOP REQUIRED

I-A - INLET TYPE A
I-B - INLET TYPE B
PRCFES - PRECAST REINFORCED CONCRETE FLARED END SECTIONS
ARG - CLASS A RUBBER GASKET (SEE SPECIAL PROVISIONS)
WM - WATERMAIN (SEE SPECIAL PROVISIONS)
T.B. - TRENCH BACKFILL (CU YD)

BENCHMARK "R"
RAILROAD SPIKE IN POWER POLE AT N.E. CORNER OF ERNEST MOONEY DRIVE AND ARMOUR ROAD
ELEV. 673.44

STRUCTURE NO.	38	39	39A	50	51	53	48	--	--	STRUCTURE NO.
STA	141+57.9	140+96.4	140+96.4	140+98.4	140+98.4	144+26.4	NOT	--	--	STA
OFFSET	73.5 RT	60.6 RT	26.0 RT	47.6 LT	34.0 LT	28.8 LT	USED	--	--	OFFSET
STRUCTURE TYPE	CULV.	MH TA 5	CB-C	PRCFES	CB-C	CB-C	--	--	--	STRUCTURE TYPE
F&G TYPE	--	1 CL	4	--	3V	3V	--	--	--	F&G TYPE
RIM ELEVATION	--	675.20	677.32	--	677.32	690.18	--	--	--	RIM ELEVATION
EAST INVERT	--	668.31	--	--	--	--	--	--	--	EAST INVERT
WEST INVERT	668.23	668.31	--	--	--	--	--	--	--	WEST INVERT
NORTH INVERT	--	668.50	--	673.50	673.53	688.0±	--	--	--	NORTH INVERT
SOUTH INVERT	--	--	674.32	--	--	--	--	--	--	SOUTH INVERT
PIPE NUMBER	42	43	44	52	51	--	--	--	--	PIPE NUMBER
SIZE	30"	12"	30"	12"	NOT	--	--	--	--	SIZE
LENGTH	63'	34'	124'	7'	USED	--	--	--	--	LENGTH
CLASS	A	A	WM	A	--	--	--	--	--	CLASS
TYPE	2	1	2	1	--	--	--	--	--	TYPE
% SLOPE	0.12%	17.1%	0.12%	0.40%	--	--	--	--	--	% SLOPE
T.B.	--	--	--	--	--	--	--	--	--	T.B.



NOTE: PROPOSED PROFILE GRADE IS INTENDED TO BE 0.75' HIGHER THAN EXISTING TOP OF CONCRETE AT RIGHT EDGE OF PAVEMENT STA. 104+51 TO STA. 143+70

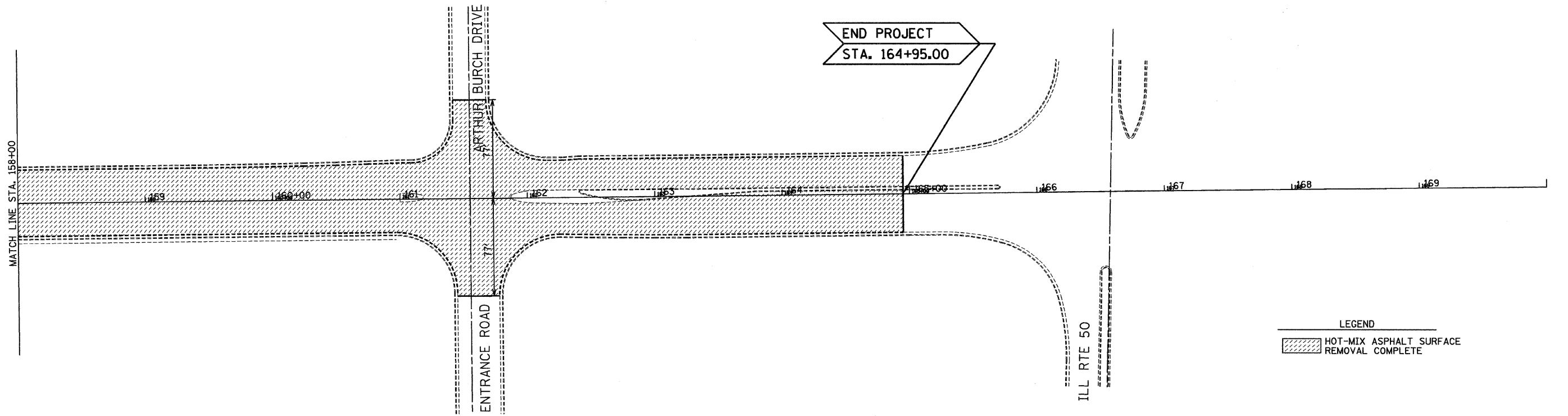
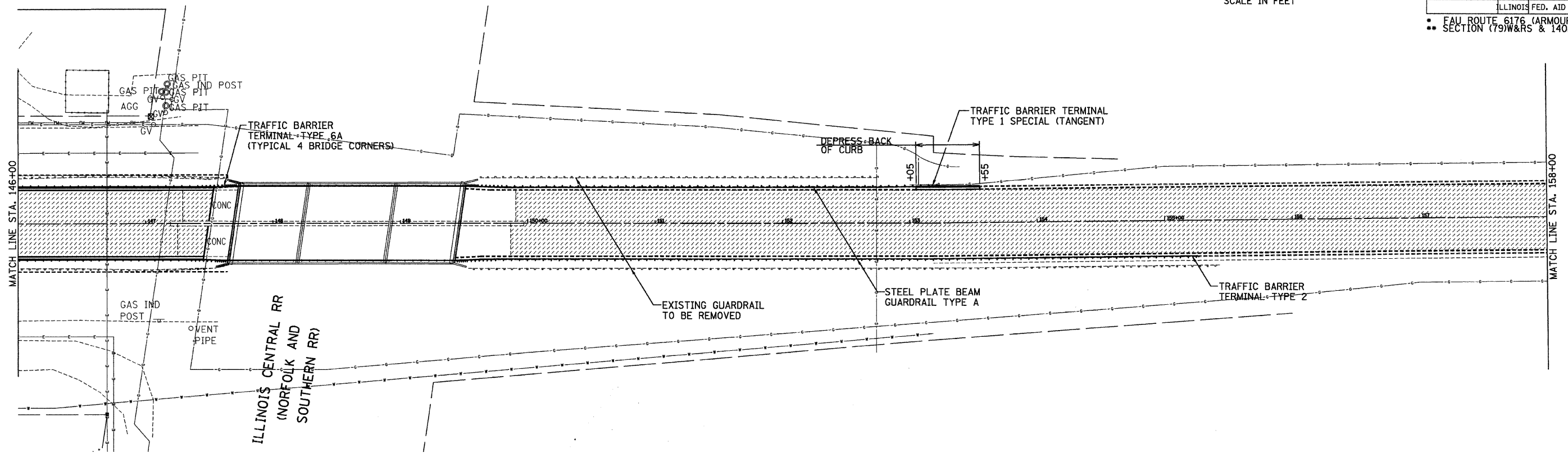
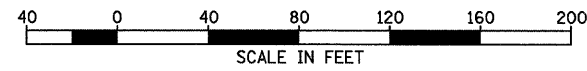
TRANSITION PROFILE GRADE TO MATCH EXISTING AT STA. 145+10

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	25

STA. _____ TO STA. _____

ILLINOIS FED. AID PROJECT

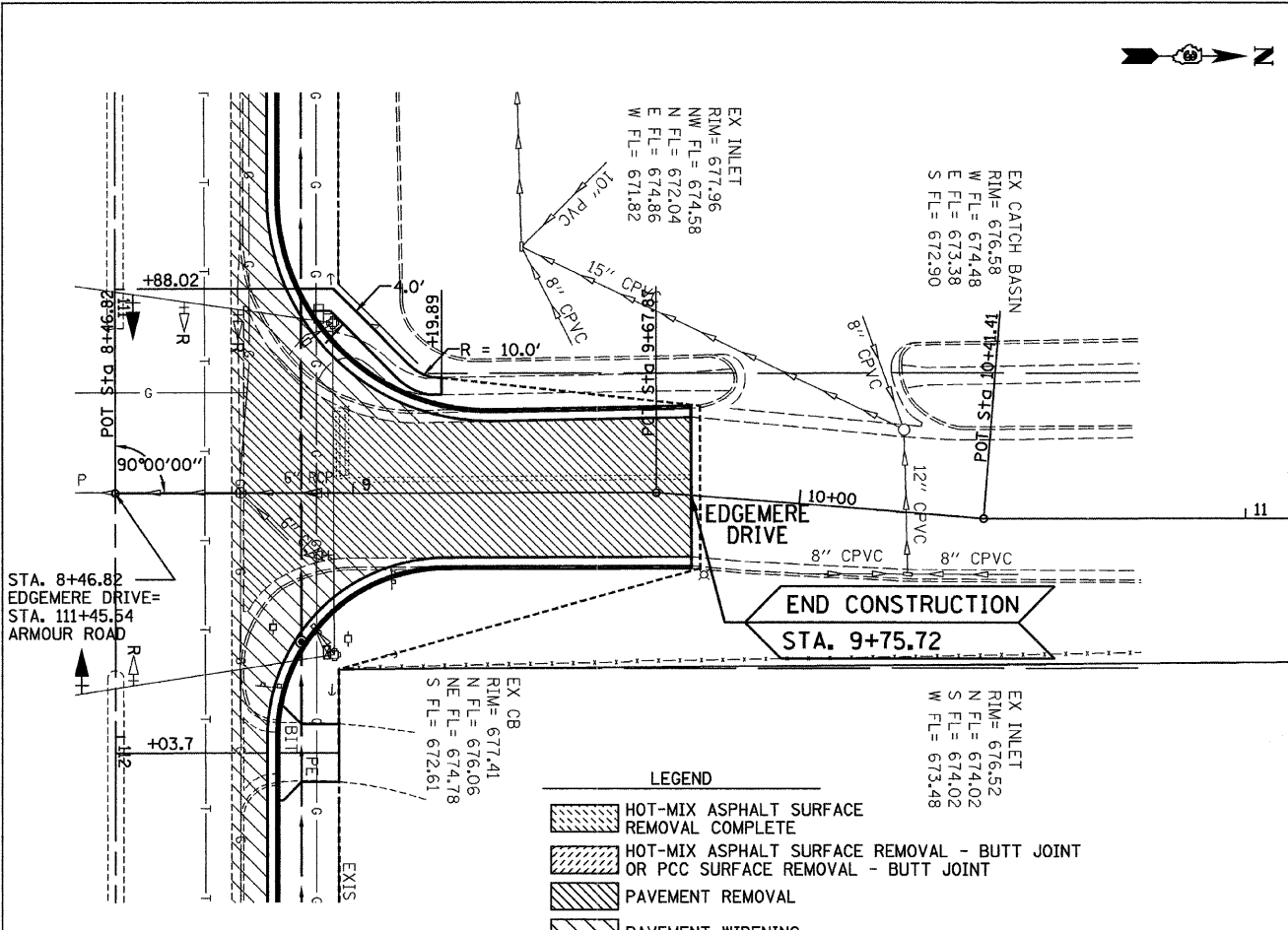
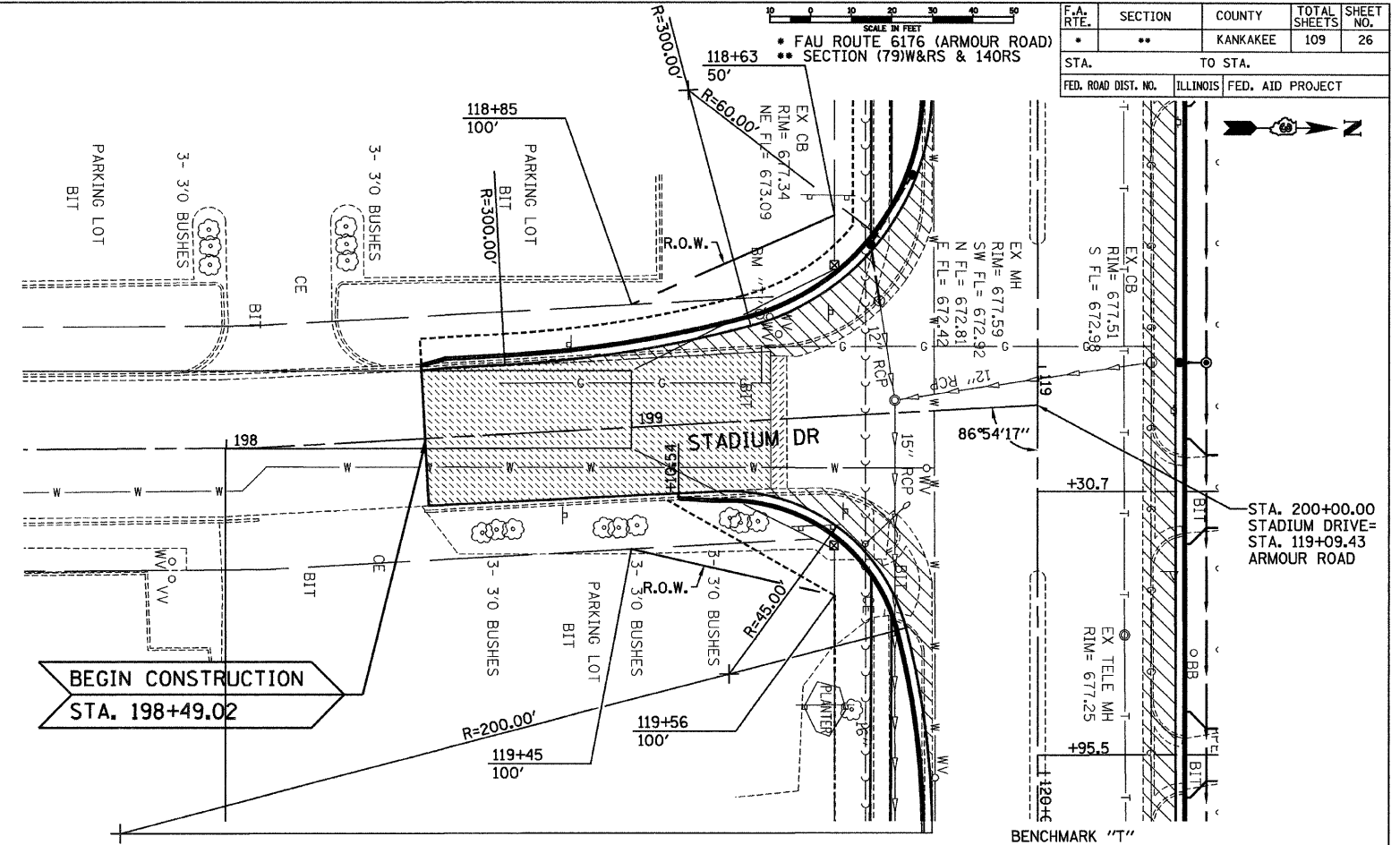
* FAU ROUTE 6176 (ARMOUR ROAD)
 ** SECTION (79)W&RS & 14ORS



LEGEND

HOT-MIX ASPHALT SURFACE REMOVAL COMPLETE

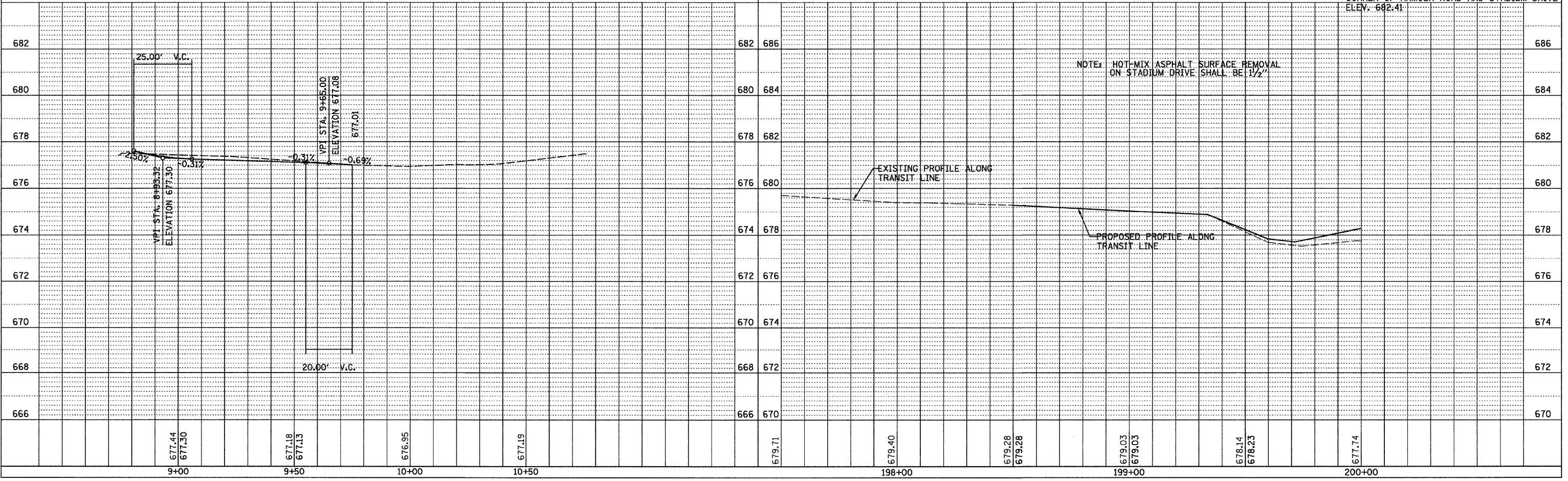
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	26
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL COMPLETE
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT OR PCC SURFACE REMOVAL - BUTT JOINT
- PAVEMENT REMOVAL
- PAVEMENT WIDENING

BENCHMARK "T"
TOP OF 5/8 NUT ON FIRE HYDRANT AT S.W. CORNER OF ARMOUR ROAD AND STADIUM DRIVE
ELEV. 682.41



PLAN

DATE	BY	CHECKED
02/20/03	CHAMLIN	JIC
02/20/03	LOG	JIC
02/20/03	LAB	JIC

NOTE: GRADES CHECKED BY CHAMLIN, LOG, LAB. NO. 101. DATE: 02/20/03.

PROFILE

DATE	BY	CHECKED
02/20/03	CHAMLIN	JIC
02/20/03	LOG	JIC
02/20/03	LAB	JIC

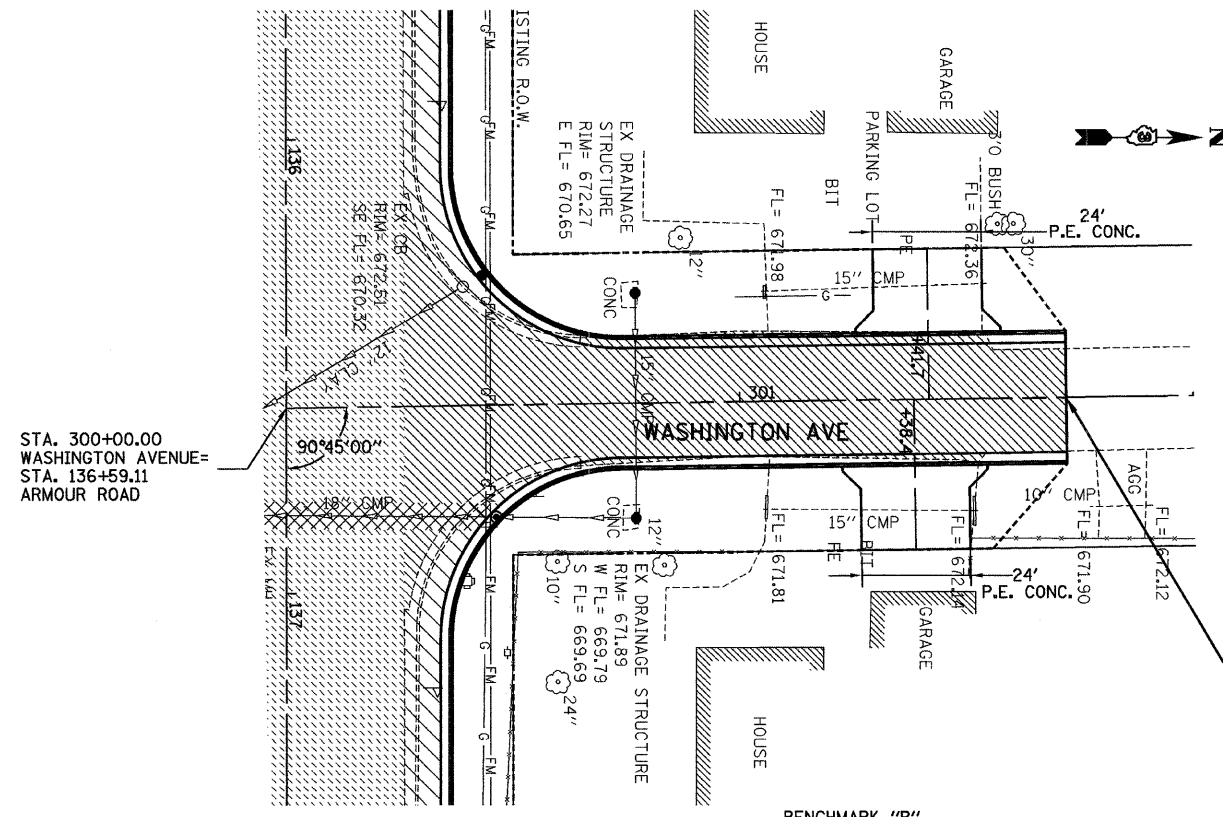
NOTE: GRADES CHECKED BY CHAMLIN, LOG, LAB. NO. 101. DATE: 02/20/03.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	27

STA. TO STA.
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 • FAU ROUTE 6176 (ARMOUR ROAD)
 • SECTION (79)W&RS & 140RS



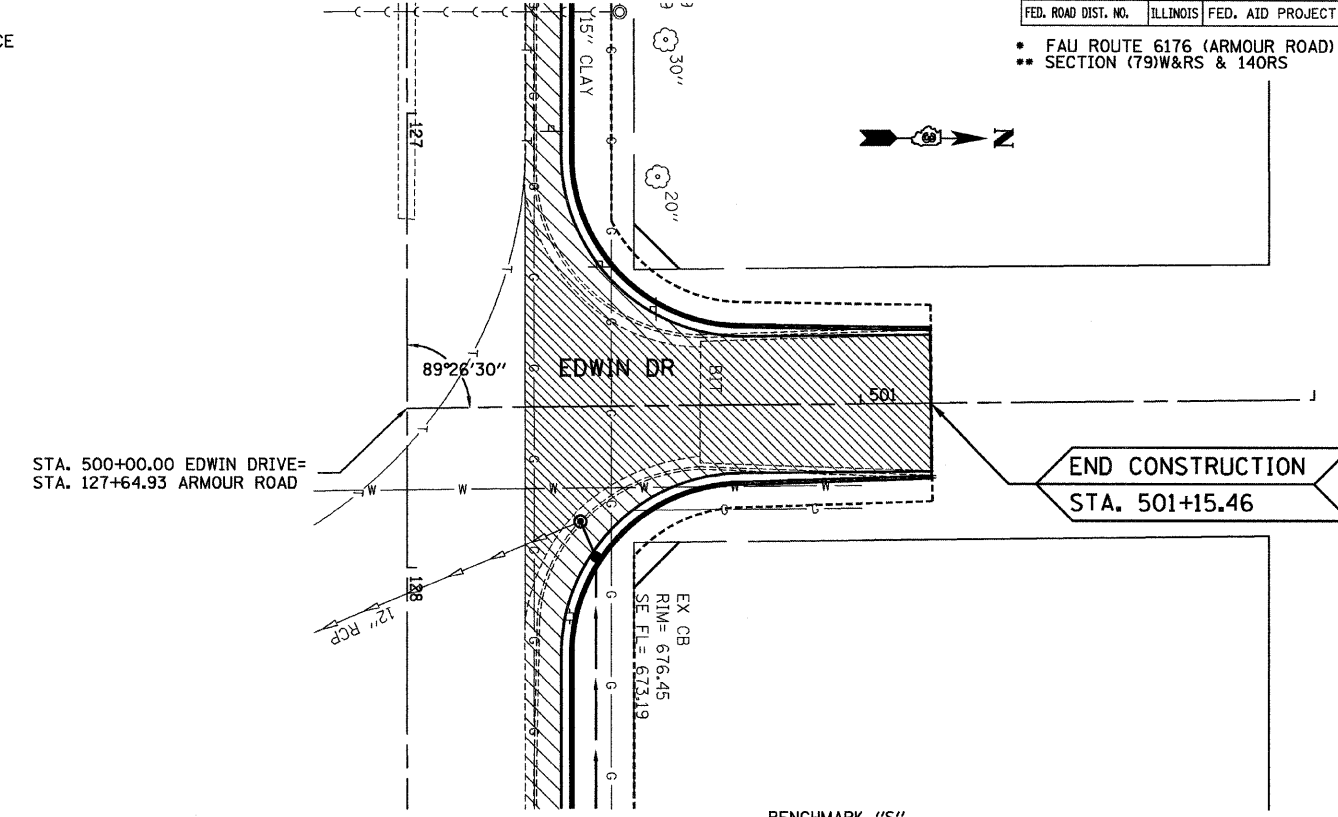
- LEGEND**
- HOT-MIX ASPHALT SURFACE REMOVAL COMPLETE
 - PAVEMENT REMOVAL
 - PAVEMENT WIDENING



STA. 300+00.00 WASHINGTON AVENUE= STA. 136+59.11 ARMOUR ROAD

END CONSTRUCTION STA. 301+72.06

BENCHMARK "R"
 RAILROAD SPIKE IN POWER POLE AT N.E. CORNER OF ERNEST MOONEY DRIVE AND ARMOUR ROAD
 ELEV. 673.44



STA. 500+00.00 EDWIN DRIVE= STA. 127+64.93 ARMOUR ROAD

END CONSTRUCTION STA. 501+15.46

BENCHMARK "S"
 RAILROAD SPIKE IN POWER POLE AT S.W. CORNER OF ARMOUR ROAD AND TOMAGENE DRIVE
 ELEV. 677.44

PLAN

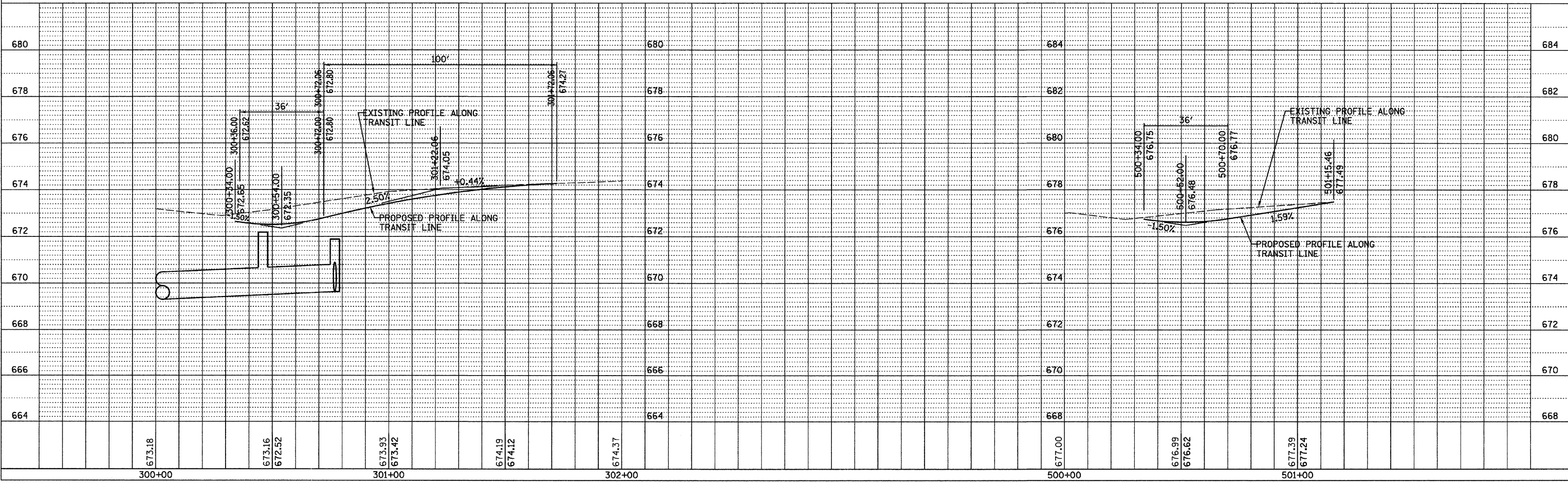
DATE	BY	CHECKED
11/02/03	CHAMLIN	JAC
11/02/03	LIB	JAC
11/02/03	JAC	JAC

NO. 1

PROFILE

DATE	BY	CHECKED
11/02/03	CHAMLIN	JAC
11/02/03	LIB	JAC
11/02/03	JAC	JAC

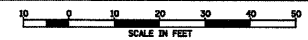
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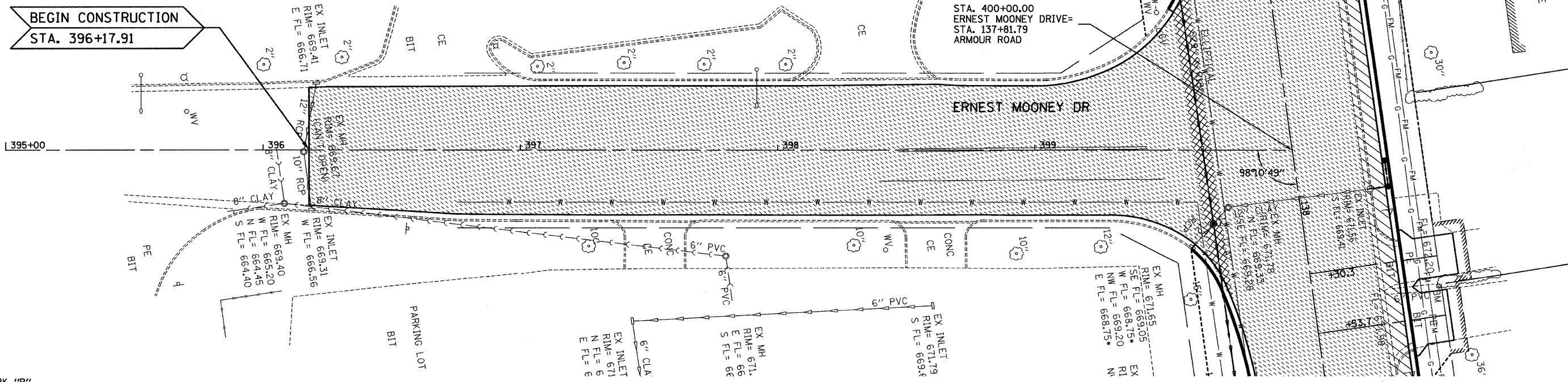
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	28
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

- LEGEND**
- HOT-MIX ASPHALT SURFACE REMOVAL COMPLETE
 - PAVEMENT REMOVAL
 - PAVEMENT WIDENING

• FAU ROUTE 6176 (ARMOUR ROAD)
 • SECTION (79)W&RS & 14ORS



BEGIN CONSTRUCTION
 STA. 396+17.91



BENCHMARK "R"
 RAILROAD SPIKE IN POWER POLE AT N.E. CORNER
 OF ERNEST MOONEY DRIVE AND ARMOUR ROAD
 ELEV. 673.44

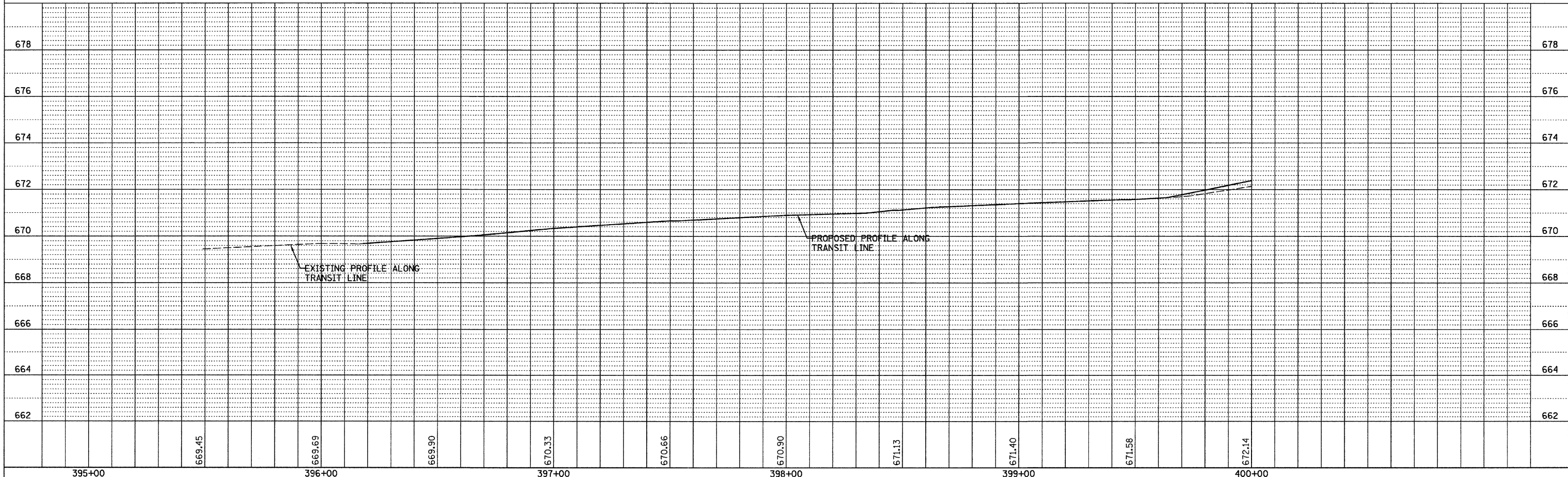
NOTE: BITUMINOUS SURFACE REMOVAL
 STA 396+17.91 TO STA. 399+62
 SHALL BE 1/2"

PLAN

DATE	BY
11/03/03	CHAMLIN
11/03/03	LOG
11/03/03	JIC
SURVEYED	
GRADES CHECKED	
ALIGNMENT CHECKED	
PLAN CHECKED	
FIELD FILE NAME	
NO.	

PROFILE

DATE	BY
11/03/03	CHAMLIN
11/03/03	LOG
11/03/03	JIC
SURVEYED	
GRADES CHECKED	
ALIGNMENT CHECKED	
PLAN CHECKED	
FIELD FILE NAME	
NO.	



S.W. 1/4 OF SEC. 17, T. 31 N., R. 12 E. OF THE 3RD P. M.

KROGER PLAZA

PARCEL 3SY0019

KROGER LIMITED PARTNERSHIP I

TOTAL HOLDING = 8.350 AC.±
TOTAL R.O.W. REQUIRED = 200 SQ.FT.±
REMAINDER = 8.345 AC.±
TEMPORARY EASEMENT NO. 1 = 1,900 SQ. FT.±
TEMPORARY EASEMENT NO. 2 = 1,350 SQ. FT.±
PURPOSE TE 1 AND TE 2: DRIVEWAY RECONSTRUCTION

PARCEL 3SY0001

DONALD O. RUYLE, et al.

TOTAL HOLDING = 80532 SQ. FT.±
TEMPORARY EASEMENT = 156 SQ. FT.±
PURPOSE: GRADING AND DRIVEWAY CONSTRUCTION

JOSEPH DIDIER SUBDIVISION
RECORDED NOV. 21, 1946
BOOK E PAGE 95

LOT 6

LOT 7

LOT 8

PARCEL 3SY0002

PERRY E. FREEMAN

TOTAL HOLDING = 86630 SQ. FT.±
TEMPORARY EASEMENT #1 = 274 SQ. FT.±
TEMPORARY EASEMENT #2 = 264 SQ. FT.±
PURPOSE: GRADING AND DRIVEWAY CONSTRUCTION

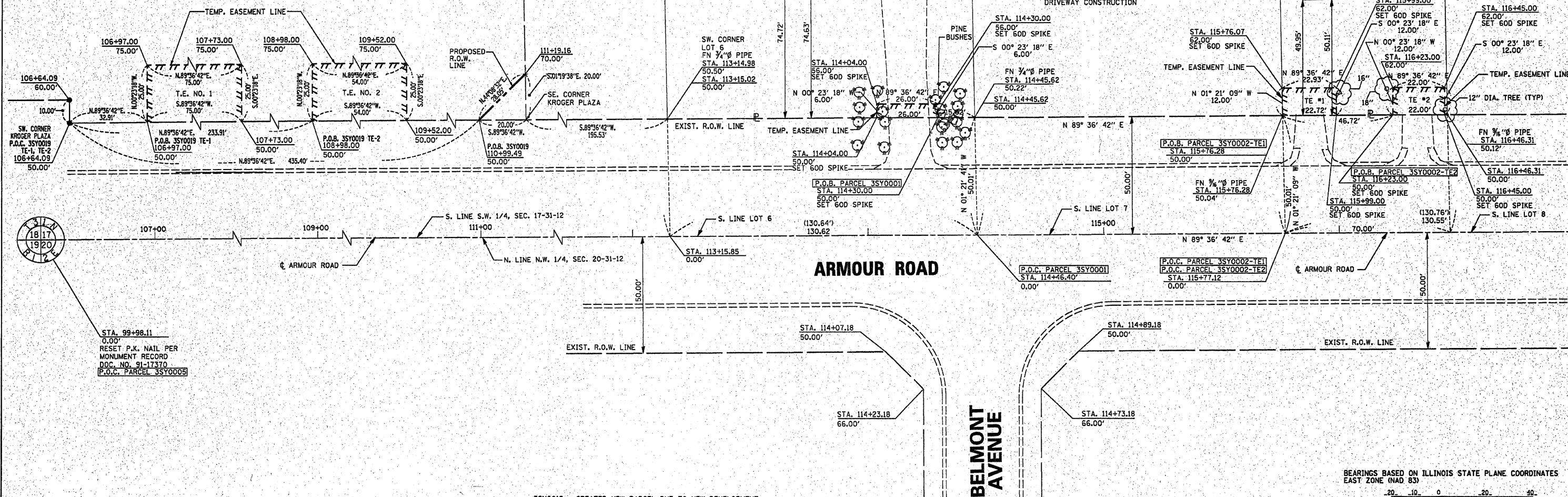


Table with columns: NO., DATE, DESCRIPTION, BY. Contains a list of survey activities and dates.

I, ROBERT A. ROGINA, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF PROPOSED ARMOUR ROAD WAS MADE BY ME OR UNDER MY DIRECTION AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

DATE: MARCH 28, 2008

Signature of Robert A. Rogina, L.P.L.S. 2017, LICENSE EXPIRES 11/30/08



"THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY."

3SY0019 - CREATED NEW PARCEL DUE TO NEW DEVELOPMENT

DATED 1-28-09

Signature of Robert K. Poundstone

ROBERT K. POUNDSTONE
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2105

BEARINGS BASED ON ILLINOIS STATE PLANE COORDINATES EAST ZONE (NAD 83)



RIGHT OF WAY PLANS

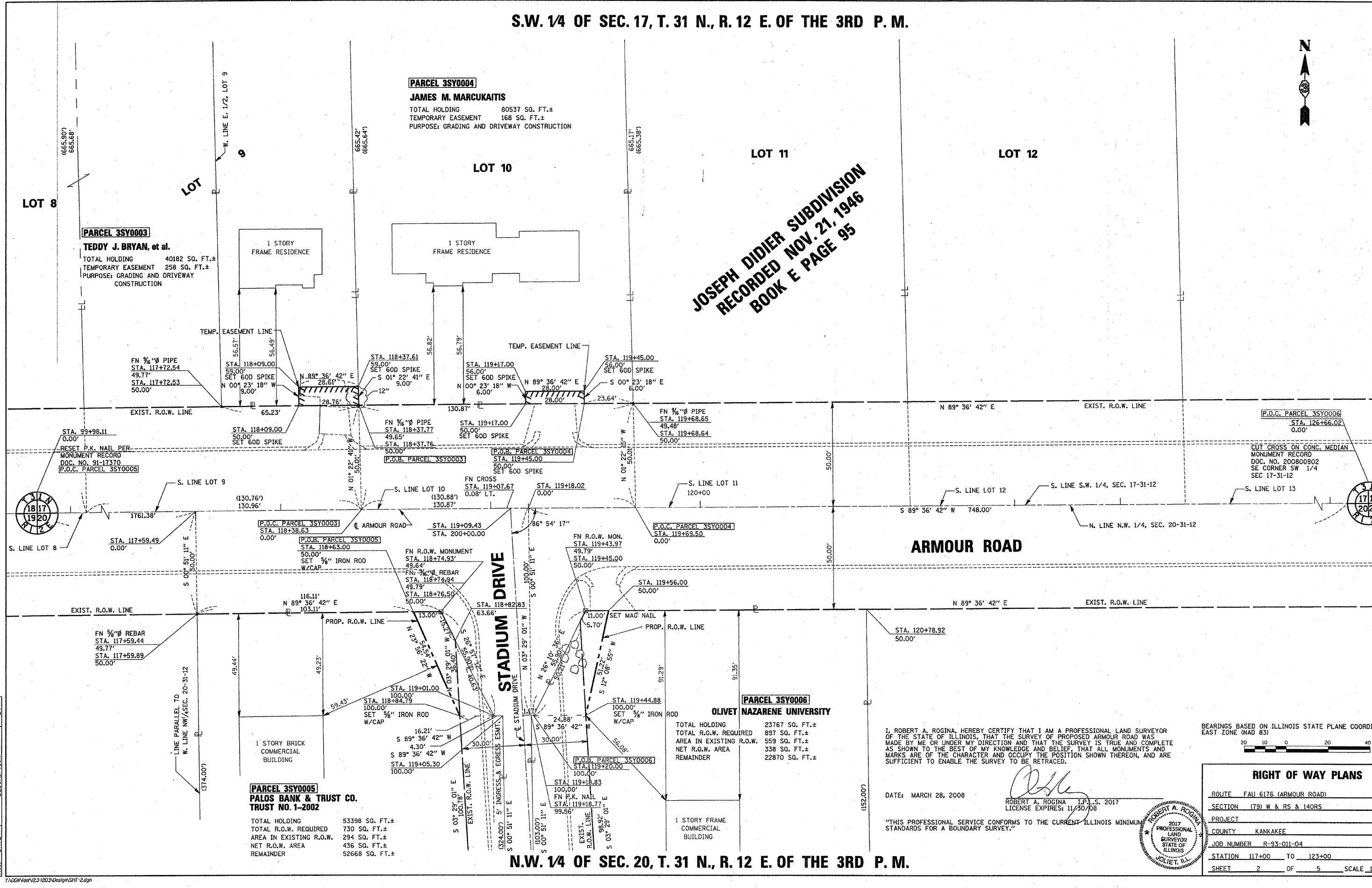
Table with project details: ROUTE FAU 6176 (ARMOUR ROAD), SECTION (T9) W & RS & 14ORS, PROJECT, COUNTY KANKAKEE, JOB NUMBER R-93-011-04, STATION 112+00 TO 117+00, SHEET 1 OF 5, SCALE 1" = 20'

N.W. 1/4 OF SEC. 20, T. 31 N., R. 12 E. OF THE 3RD P. M.

S.W. 1/4 OF SEC. 17, T. 31 N., R. 12 E. OF THE 3RD P. M.



JOSEPH DIDIER SUBDIVISION
RECORDED NOV. 21, 1946
BOOK E PAGE 95



NO.	DATE	DESCRIPTION	BY
3	03/27/08	STAKING PLAN	M.A.R.
2	02/15/08	PER 100' REVIEW	M.A.R.
1	01/15/08	PER 100' REVIEW	M.A.R.
1	01/27/05	ORIGINAL ISSUE	

Y:\JDN\123-1203\Drawings\SH11-2.dgn

PARCEL 3SY0005
PALOS BANK & TRUST CO.
TRUST NO. 1-2002
 TOTAL HOLDING 53398 SQ. FT.±
 TOTAL R.O.W. REQUIRED 730 SQ. FT.±
 AREA IN EXISTING R.O.W. 294 SQ. FT.±
 NET R.O.W. AREA 436 SQ. FT.±
 REMAINDER 52668 SQ. FT.±

PARCEL 3SY0006
OLIVET NAZARENE UNIVERSITY
 TOTAL HOLDING 23767 SQ. FT.±
 TOTAL R.O.W. REQUIRED 897 SQ. FT.±
 AREA IN EXISTING R.O.W. 559 SQ. FT.±
 NET R.O.W. AREA 338 SQ. FT.±
 REMAINDER 22870 SQ. FT.±

I, ROBERT A. ROGINA, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF PROPOSED ARMOUR ROAD WAS MADE BY ME OR UNDER MY DIRECTION AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

DATE: MARCH 28, 2008

Robert A. Rogina
 ROBERT A. ROGINA, I.P.S. 2017
 LICENSE EXPIRES: 11/30/08



"THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY."

BEARINGS BASED ON ILLINOIS STATE PLANE COORDINATES EAST ZONE (NAD 83)

RIGHT OF WAY PLANS	
ROUTE	FAU 6176 (ARMOUR ROAD)
SECTION	(79) W & RS & 140RS
PROJECT	
COUNTY	KANKAKEE
JOB NUMBER	R-93-011-04
STATION	117+00 TO 123+00
SHEET	2 OF 5 SCALE 1" = 20'

N.W. 1/4 OF SEC. 20, T. 31 N., R. 12 E. OF THE 3RD P. M.

S.W. 1/4 OF SEC. 17, T. 31 N., R. 12 E. OF THE 3RD P. M.

S.E. 1/4 OF SEC. 17, T. 31 N., R. 12 E. OF THE 3RD P. M.

JOSEPH DIDIER SUBDIVISION
RECORDED NOV. 21, 1946
BOOK E PAGE 95

NORTHFIELD SUBDIVISION
RECORDED OCT. 31, 1957
BOOK F PAGE 383

PARCEL 3SY0007

AHMED S. ZAHEER, et ux.
TOTAL HOLDING 165238 SQ. FT.±
TEMPORARY EASEMENT 387 SQ. FT.±
PURPOSE: GRADING AND CULVERT CONSTRUCTION

PARCEL 3SY0008

GERALD P. ALLIE, et ux.
TOTAL HOLDING 15709 SQ. FT.±
TOTAL R.O.W. REQUIRED 49 SQ. FT.±
REMAINDER 15660 SQ. FT.±

PARCEL 3SY0009

FRED PAPINEAU, et ux.
TOTAL HOLDING 14400 SQ. FT.±
TOTAL R.O.W. REQUIRED 51 SQ. FT.±
REMAINDER 14349 SQ. FT.±

LOT 13

LOT 13

LOT 3

BLOCK 2

BLOCK 1

LOT 12

LOT 11

LOT 10

ARMOUR ROAD

COUNTRY COURT

TOMAGENE DRIVE

EDWIN DRIVE

BEARINGS BASED ON ILLINOIS STATE PLANE COORDINATES
EAST ZONE (NAD 83)



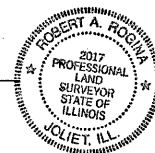
RIGHT OF WAY PLANS

ROUTE	FAU 6176 (ARMOUR ROAD)
SECTION	(79) W & RS & 140RS
PROJECT	
COUNTY	KANKAKEE
JOB NUMBER	R-93-011-04
STATION	123+00 TO 129+00
SHEET	3 OF 5
SCALE	1" = 20'

I, ROBERT A. ROGINA, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF PROPOSED ARMOUR ROAD WAS MADE BY ME OR UNDER MY DIRECTION AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

DATE: MARCH 28, 2008

ROBERT A. ROGINA, I.P.L.S. 2017
LICENSE EXPIRES: 11/30/08



"THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY."

N.W. 1/4 OF SEC. 20, T. 31 N.,
R. 12 E. OF THE 3RD P. M.

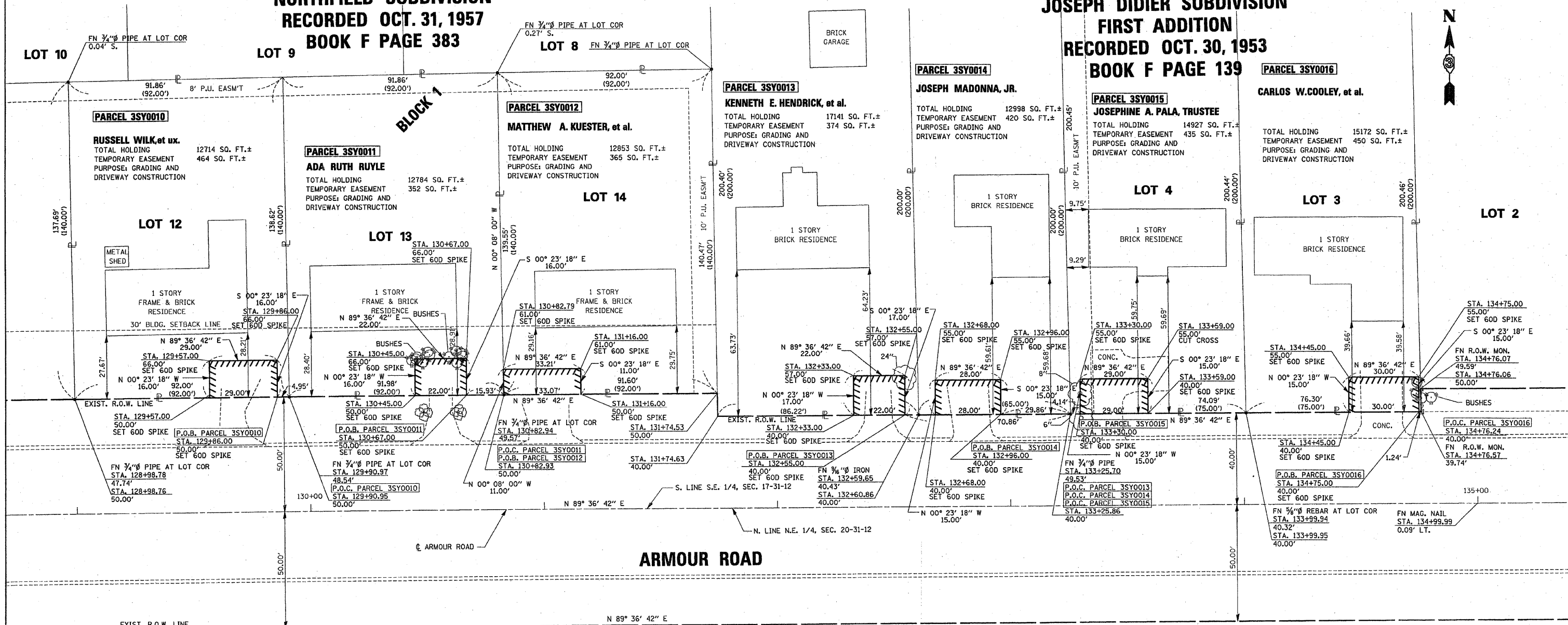
N.E. 1/4 OF SEC. 20, T. 31 N.,
R. 12 E. OF THE 3RD P. M.

NO.	DATE	DESCRIPTION	BY
3	03/27/08	STAKING PLAN	M.A.R.
2	02/19/08	PER FOOT REVIEW	M.C.M.
1	01/15/08	PER FOOT REVIEW	M.C.M.
	07/27/05	ORIGINAL ISSUE	

NORTHFIELD SUBDIVISION
RECORDED OCT. 31, 1957
BOOK F PAGE 383

S.E. 1/4 OF SEC. 17, T. 31 N., R. 12 E. OF THE 3RD P. M.

JOSEPH DIDIER SUBDIVISION
FIRST ADDITION
RECORDED OCT. 30, 1953
BOOK F PAGE 139



NO.	DATE	DESCRIPTION	BY
3	03/27/08	STAKING PLAN	U.A.
2	02/19/08	PER DOT REVIEW	M.G.M.
1	01/15/08	PER DOT REVIEW	M.G.M.
	01/27/05	ORIGINAL ISSUE	

I, ROBERT A. ROGINA, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF PROPOSED ARMOUR ROAD WAS MADE BY ME OR UNDER MY DIRECTION AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

DATE: MARCH 28, 2008

ROBERT A. ROGINA
L.P.L.S. 2017
LICENSE EXPIRES 11/30/08

"THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY."

BEARINGS BASED ON ILLINOIS STATE PLANE COORDINATES EAST ZONE (NAD 83)

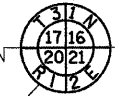
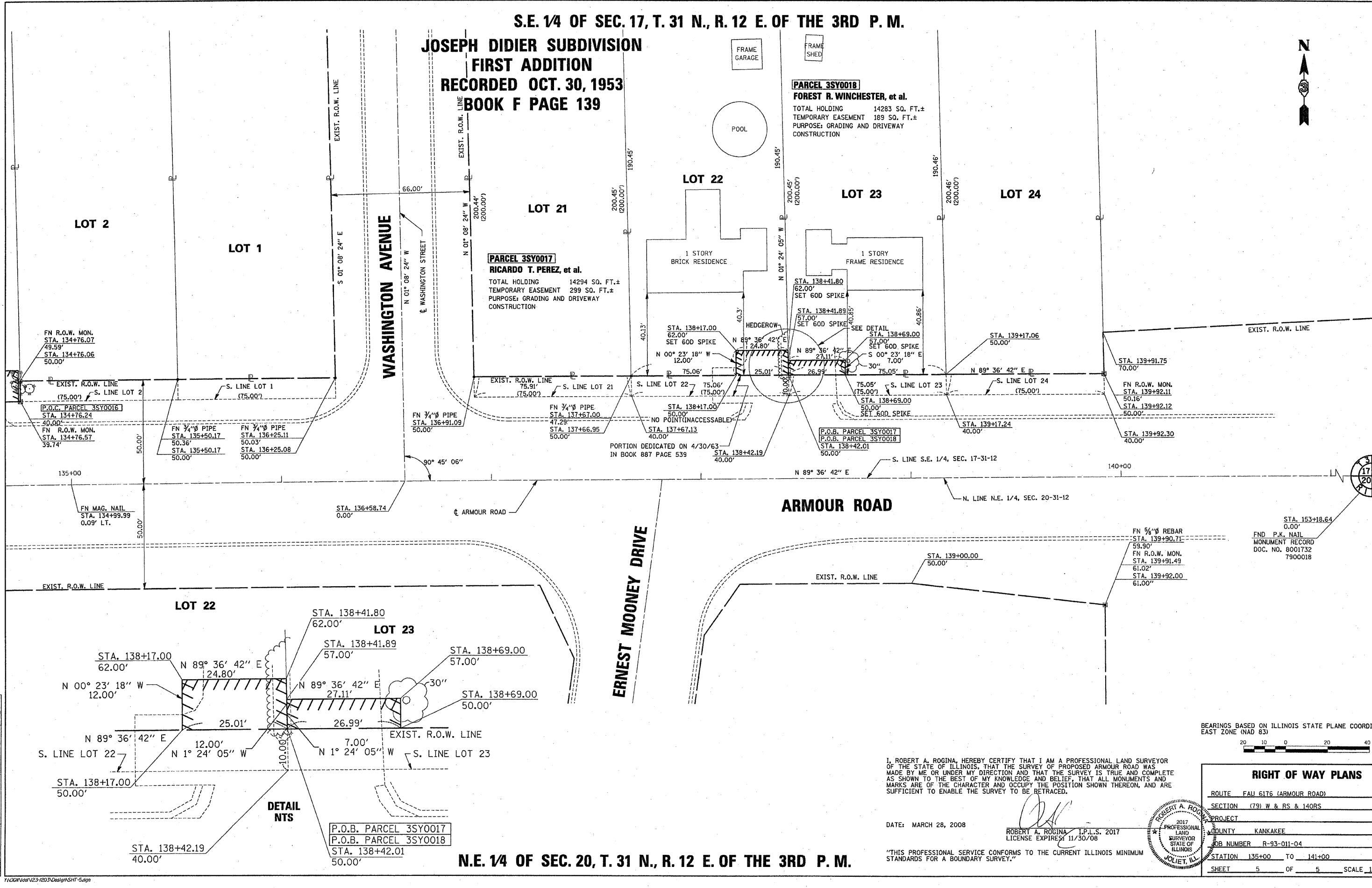


RIGHT OF WAY PLANS	
ROUTE	FAU 6176 (ARMOUR ROAD)
SECTION	(79) W & RS & 140RS
PROJECT	
COUNTY	KANKAKEE
JOB NUMBER	R-93-011-04
STATION	129+00 TO 135+00
SHEET	4 OF 5 SCALE 1" = 20'

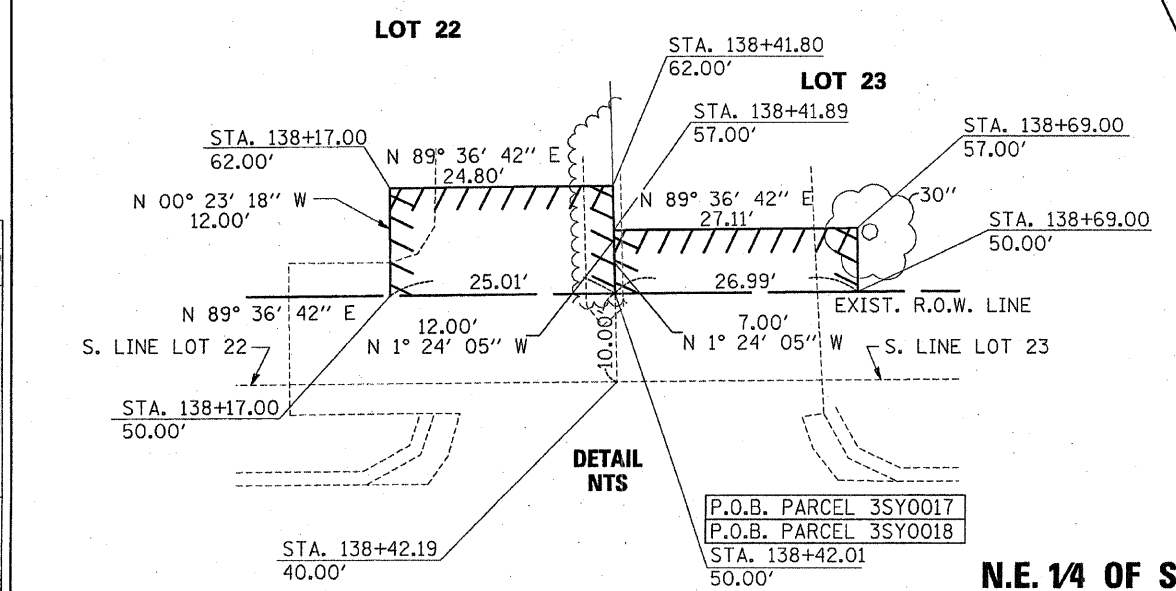
N.E. 1/4 OF SEC. 20, T. 31 N., R. 12 E. OF THE 3RD P. M.

S.E. 1/4 OF SEC. 17, T. 31 N., R. 12 E. OF THE 3RD P. M.

JOSEPH DIDIER SUBDIVISION
FIRST ADDITION
RECORDED OCT. 30, 1953
BOOK F PAGE 139



NO.	DATE	DESCRIPTION	BY
3	03/27/08	STAKING PLAN	W.A.R.
2	02/19/08	PER FOOT REVIEW	M.C.M.
1	01/15/08	PER FOOT REVIEW	M.C.M.
	01/21/05	ORIGINAL ISSUE	



ERNEST MOONEY DRIVE

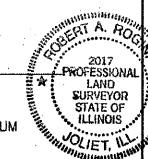
ARMOUR ROAD

WASHINGTON AVENUE

I, ROBERT A. ROGINA, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF PROPOSED ARMOUR ROAD WAS MADE BY ME OR UNDER MY DIRECTION AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

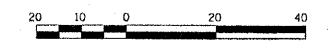
DATE: MARCH 28, 2008

ROBERT A. ROGINA, I.P.L.S. 2017
LICENSE EXPIRES: 11/30/08



"THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY."

BEARINGS BASED ON ILLINOIS STATE PLANE COORDINATES
EAST ZONE (NAD 83)



RIGHT OF WAY PLANS

ROUTE	FAU 6176 (ARMOUR ROAD)
SECTION	(79) W & RS & 140RS
PROJECT	
COUNTY	KANKAKEE
JOB NUMBER	R-93-011-04
STATION	135+00 TO 141+00
SHEET	5 OF 5 SCALE 1" = 20'

N.E. 1/4 OF SEC. 20, T. 31 N., R. 12 E. OF THE 3RD P. M.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	34
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* FAU ROUTE 6176 (ARMOUR ROAD) ** SECTION (79)W&RS & 14ORS				

GENERAL NOTES

- THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION (J.U.L.I.E. 800/892-0123). CONTACT IDOT FOR HIGHWAY LIGHTING LOCATE.
- ALL TRAFFIC SIGNAL HEADS SHALL BE 12", UNLESS OTHERWISE NOTED.
- ALL SIGNAL BASES SHALL BE LOCATED AT 6 FOOT MINIMUM CLEARANCE FROM CURB UNLESS OTHERWISE DIRECTED BY ENGINEER.
- ALL CONDUIT IN TRENCH SHALL BE P.V.C. ALL CONDUIT PUSHED MAY BE GALVANIZED STEEL OR P.V.C. CONDUIT ATTACHED TO STRUCTURES SHALL BE GALVANIZED STEEL.
- A 1/4" DIAMETER CONTINUOUS NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER AS INCIDENTAL TO THE RESPECTIVE CONDUIT PAY ITEM.
- THE PROPOSED TRAFFIC SIGNAL CONTROL CABINET SHALL BE FURNISHED WITH A MANUAL CONTROL SWITCH AND MANUAL CONTROL CORD WITHIN THE POLICE DOOR COMPARTMENT AS INCIDENTAL TO THE CONTROL CABINET PAY ITEM.
- THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE SIGNAL IS TURNED ON, INCIDENTAL TO THE CONTROLLER PAY ITEM.
- THE DEPARTMENT OF TRANSPORTATION (815-434-8505) SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO THE TURNING ON OF THE CONTROLLER UNIT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING THE NEW ELECTRICAL LOADS FOR THE UNMETERED SERVICES ON THIS IMPROVEMENT TO THE UTILITY COMPANY AND AGENCY RESPONSIBLE FOR ENERGY CHARGES: VILLAGE OF BOURBONNAIS, 700 MAIN N.W., BOURBONNAIS, IL. 60914.
- NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FEET MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
- ALL MAST ARM SIGNAL HEADS ON AN INDIVIDUAL MAST ARM SHALL BE MOUNTED SO THAT THE "RED" INDICATIONS ARE LEVEL WITH EACH OTHER.
- THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.
- THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES, AS NECESSARY, INCIDENTAL TO THE CONDUIT PAY ITEM.
- ALL THREADS OF BOLTS USED IN TRAFFIC COMPONENT ASSEMBLIES SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.
- THE CONTROLLER CABINET SHALL BE PLACED SO THAT A TECHNICIAN MAY SEE THE INTERSECTION OVER THE TOP OF THE CABINET WHILE WATCHING THE COMPONENTS IN THE CABINET.
- BACK PLATES MUST BE POLYCARBONATE WITH A DEEP BACK FLANGE.
- THE CONTRACTOR SHALL PROVIDE 3 FEET SLACK CABLE IN EACH TRAFFIC SIGNAL STRUCTURE: MAST ARM, POST, CONTROLLER. THE SLACK, WHICH IS IN ADDITION TO THE VERTICAL LENGTH OF CABLE DEFINED IN THE SPECIFICATIONS, SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR EACH CABLE.
- AT ALL LOCATIONS WHERE DETECTOR LOOPS ARE TO BE INSTALLED OVER EXISTING DETECTOR LOOPS. THE CONTRACTOR SHALL BE REQUIRED TO MAKE TWO SEPARATE SAW CUTS THROUGH EACH EXISTING DETECTOR LOOP TO PREVENT THE POSSIBILITY OF THE EXISTING LOOP SHORTING TO CREATE A CLOSED CIRCUIT. THIS WORK SHALL BE INCIDENTAL TO THE DETECTOR LOOP PAY ITEM.
- ALL GROUNDING MATERIALS FOR TRAFFIC SIGNAL CONCRETE FOUNDATIONS SHALL REFER TO SECTION 806 IN THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2007.
- THE CONTRACTOR SHALL PROVIDE A SELF-ADHERED PHASE DIAGRAM ON THE INSIDE OF THE CONTROLLER CABINET DOOR.
- THE LENGTH OF DETECTOR LOOP CABLE FROM THE CURB TO THE JUCTION BOX OR HANDHOLE IS INCIDENTAL TO THE DETECTOR LOOP PAY ITEM.
- WHERE EXISTING FOUNDATIONS ARE TO BE RE-USED. THE CONTRACTOR SHALL MEASURE AND PROVIDE AN EXISTING FOUNDATION PLAN AS WELL AS BOLT PATTERN DETAILS TO EQUIPMENT SUPPLIER PRIOR TO FABRICATION TO ENSURE COMPATABILITY.
- SIGNAL AND PEDESTRIAN HEADS SHALL HAVE BLACK HOUSING AND BLACK POLYCARBONATE BRACKETS.
- ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID SEPARATELY BUT CONSIDERED INCLUDED IN THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEMS.

SUMMARY OF QUANTITIES

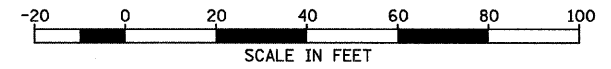
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
72000100	SIGN PANEL - TYPE 1	SQ FT	25
72000200	SIGN PANEL - TYPE 2	SQ FT	83
81012400	CONDUIT IN TRENCH, 1 1/4" DIA., PVC	FOOT	1006
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	1185
81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	186
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	32
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	10
81021350	CONDUIT PUSHED, 3" DIA., PVC	FOOT	192
81021370	CONDUIT PUSHED, 4" DIA., PVC	FOOT	194
81306500	REMOVE EXISTING JUNCTION BOX	EACH	6
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	5
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1629
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATIION	EACH	2
85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
87200500	TETHER WIRE	FOOT	161
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	525
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4785
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2776
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	146
87302245	ELECTRIC CABLE AERIAL SUSPENDEd, SIGNAL NO. 14 5C	FOOT	91
87302255	ELECTRIC CABLE AERIAL SUSPENDEd, SIGNAL NO. 14 7C	FOOT	363
87501200	TRAFFIC SIGNAL POST, 16 FT.	EACH	3
87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
87700180	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1
87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
87702630	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 40 FT. AND 44 FT.	EACH	1
87702690	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 44 FT. AND 42 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	9
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3.5
87800415	CONCRETE FOUNDATION, TYPE E, 36 INCH DIAMETER	FOOT	57
87900200	DRILL EXISTING HANDHOLE	EACH	47
88030030	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, SPAN WIRE MOUNTED	EACH	1
88030120	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, SPAN WIRE MOUNTED	EACH	1
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	14
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	23
88500100	INDUCTIVE LOOP DECTECTOR	EACH	16
88600100	DETECTOR LOOP, TYPE 1	FOOT	2712
88700200	LIGHT DETECTOR	EACH	3
88700300	LIGHT DETECTOR AMPLIFIER	EACH	2
89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	3
89500300	RELOCATE EXISTING ILLUMINATED SIGN	EACH	2
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	2
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	8763
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	1042.5
X8808020	OPTICALLY PROGRAMMED SIGNAL HEAD, POLYCARBONATE, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
X8860100	LOOP DETECTOR TESTING	EACH	1
X8950115	RELOCATE LIGHT DETECTOR	EACH	2
X8950120	RELOCATE LIGHT DETECTOR AMPLIFIER	EACH	2
XX002179	ELECTRIC CABLE IN CONDUIT, COMMUNICATION #20 3/C	FOOT	1130
XX003436	RELOCATE SIGN PANEL - TYPE 1	EACH	1

ALL UNINTERRUPTABLE POWER SUPPLIES SHALL BE EQUIPPED WITH ALPHAGUARD MONITORS

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SIGNAL GENERAL NOTES AND SUMMARY OF QUANTITIES FAU ROUTE 6176 (ARMOUR ROAD) SECTION (79)W&RS & 14ORS KANKAKEE COUNTY
NAME	DATE	
		VERT. HORIZ. DATE 01/09 DRAWN BY ARR CHECKED BY JLS

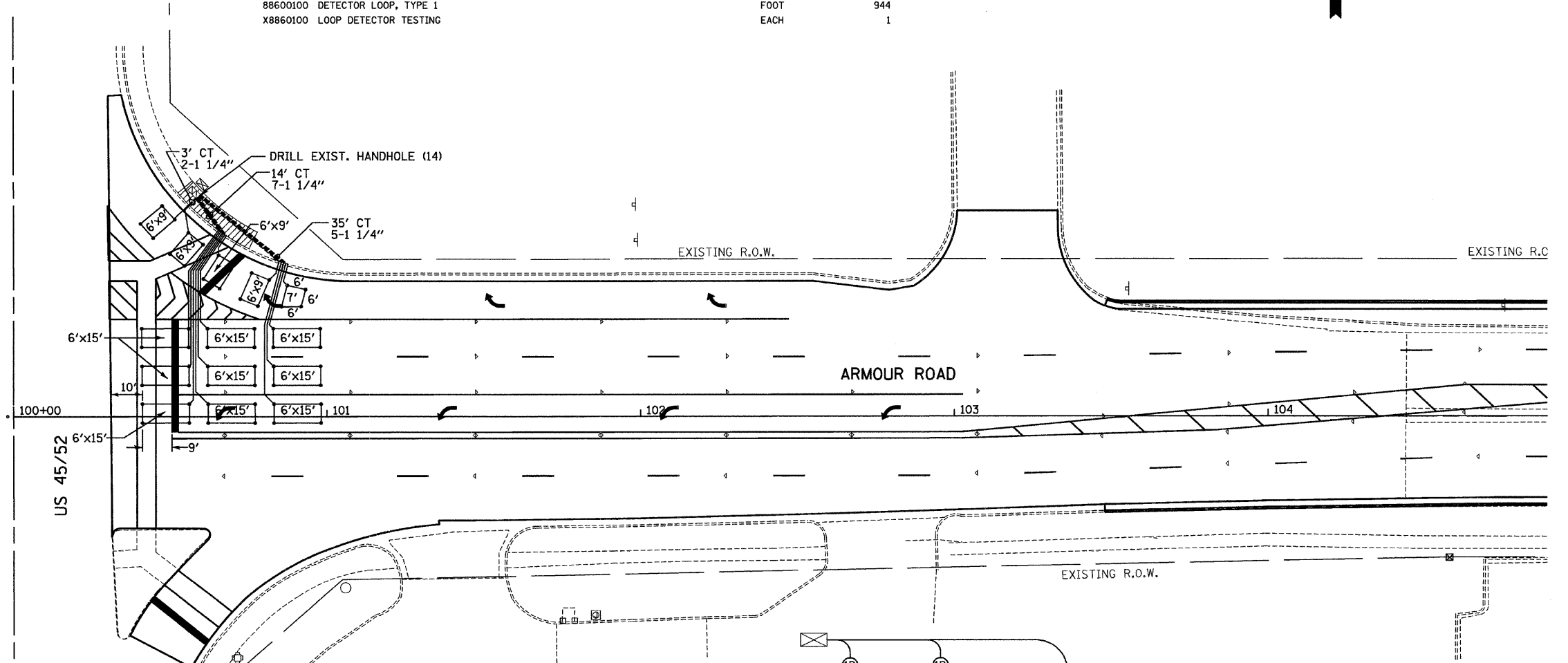
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 USER NAME = ARR

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	35
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				
* FAU ROUTE 6176 (ARMOUR ROAD)				
** SECTION (79)W&RS & 140RS				

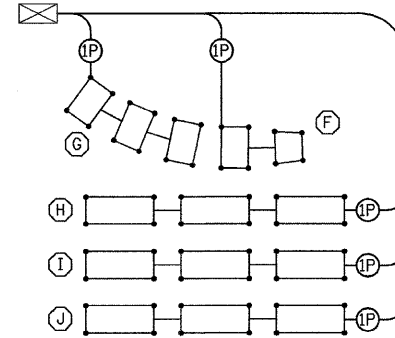


SCHEDULE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
81012400	CONDUIT IN TRENCH, 1 1/4" DIA., PVC	FOOT	279
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	52
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	105
87900200	DRILL EXISTING HANDHOLE	EACH	14
88500100	INDUCTIVE LOOP DETECTOR	EACH	5
88600100	DETECTOR LOOP, TYPE 1	FOOT	944
X8860100	LOOP DETECTOR TESTING	EACH	1



- SIDEWALK REMOVAL AND REPLACEMENT

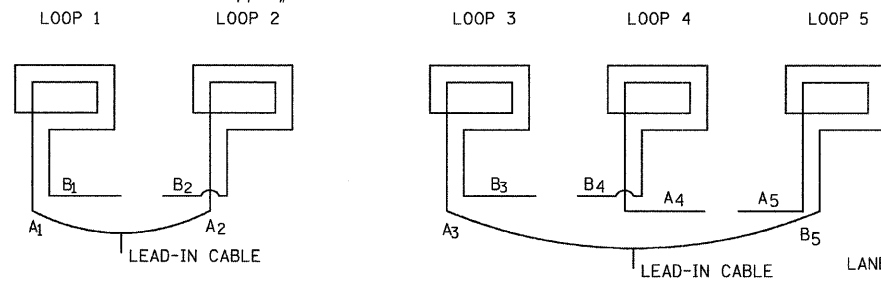
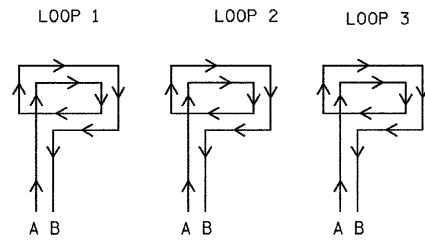


PROPOSED CABLE PLAN

TRAFFIC SIGNALS LEGEND

EXISTING	PROPOSED	DESCRIPTION
		SERVICE INSTALLATION
		CONTROLLER CABINET
		CONDUIT
		SIGNAL HEAD WITH BACKPLATE
		STEEL MAST ARM
		TRAFFIC SIGNAL POST
		HANDHOLE
		DOUBLE HANDHOLE

STEP 1
WIND ALL LOOPS CLOCKWISE. LABEL BEGINNING END OF CABLE A. LABEL ENDING END OF CABLE B. FOLLOW DETECTOR LOOP CABLE MANUFACTURER'S INSTRUCTIONS ON NUMBER OF TURNS FOR LOOP.



STEP 2
CONNECT LEAD B OF LOOP 1 TO LEAD B OF LOOP 2.
CONNECT LEAD A OF LOOP 2 TO LEAD A OF LOOP 3.

DETECTOR LOOP WINDING AND SERIES SPLICING DETAIL
(SEE DETECTOR LOOP INDUCTANCE CHART FOR NUMBER OF TURNS)

DETECTOR LOOP INDUCTANCE CHART

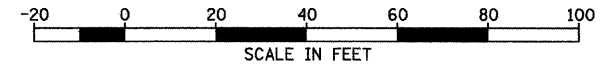
DETECTOR LOOP SYSTEM	LOCATION	TURNS PER LOOP	INDUCTANCE READING (MICROHENRIES)	FREQUENCY (HERTZ)
F	WBRT BK	5	426	29,571
G	WBRT FR	5	684	23,337
H	WBRL	4	647	23,995
I	WBLL	4	649	23,958
J	WBLT	4	652	23,903

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL PLAN
FAU ROUTE 6176 (ARMOUR ROAD)
SECTION (79)W&RS & 140RS
KANKAKEE COUNTY

SCALE: _____ DRAWN BY ARR
DATE 01/09 CHECKED BY JLS



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	36
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				
• FAU ROUTE 6176 (ARMOUR ROAD) • SECTION (79)W&RS & 140RS				

CONSTRUCTION NOTES:

RELOCATE EXISTING 5 SECTION SIGNAL HEAD TO CENTERLINE OF NEW LEFT TURN LANE AND PLACE ADDITIONAL 3 SECTION SIGNAL HEAD OVER LEFT THRU LANE ON EAST INTERSECTION LEG AS SHOWN.

PLACE ADDITIONAL 5 SECTION SIGNAL HEAD OVER CENTERLINE OF NEW LEFT TURN LANE, REALIGN TWO REMAINING 3 SECTION SIGNAL HEADS OVER THRU LANES AND PLACE ADDITIONAL SUPPLEMENTAL 5 SECTION SIGNAL HEAD ON WEST INTERSECTION LEG AS SHOWN.

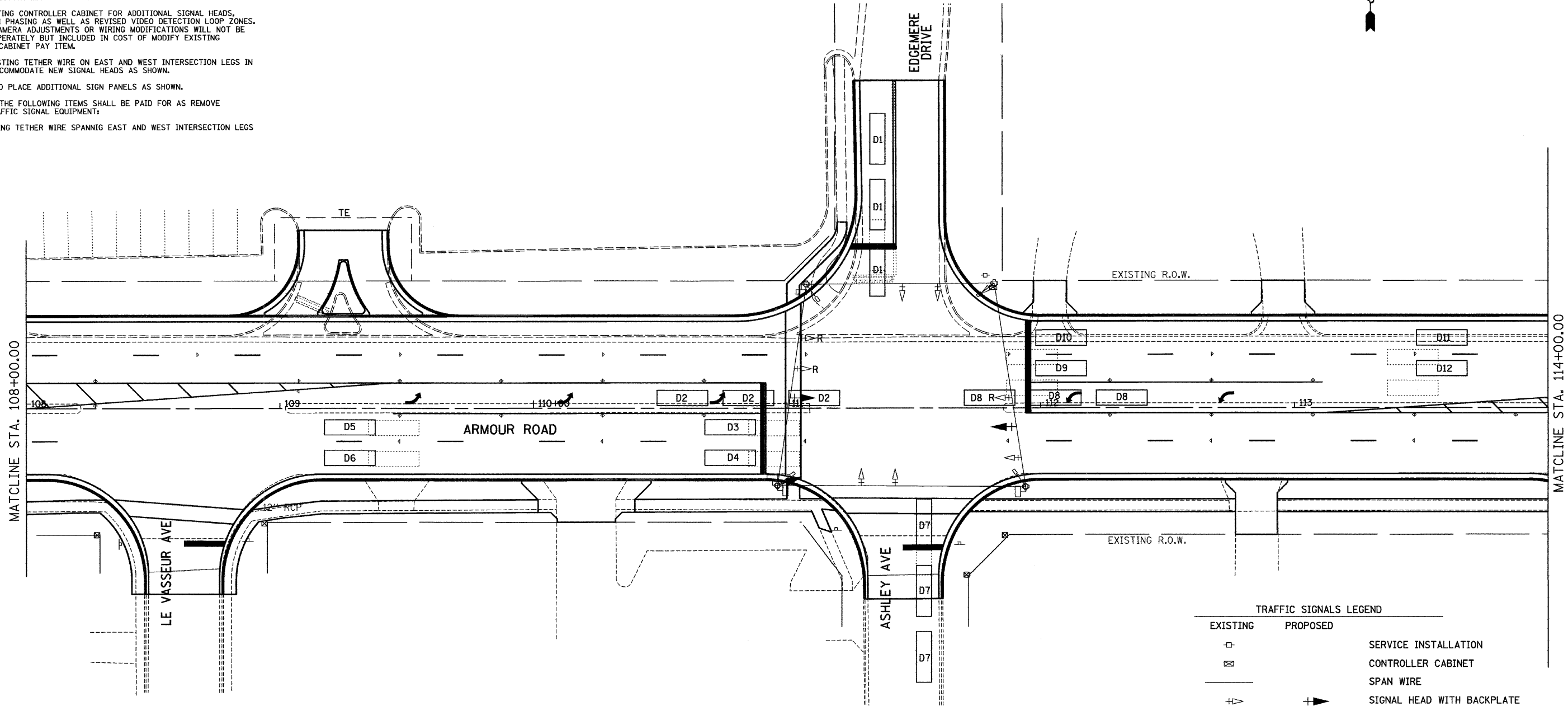
MODIFY EXISTING CONTROLLER CABINET FOR ADDITIONAL SIGNAL HEADS, INTERSECTION PHASING AS WELL AS REVISED VIDEO DETECTION LOOP ZONES. ANY VIDEO CAMERA ADJUSTMENTS OR WIRING MODIFICATIONS WILL NOT BE PAID FOR SEPERATELY BUT INCLUDED IN COST OF MODIFY EXISTING CONTROLLER CABINET PAY ITEM.

REPLACE EXISTING TETHER WIRE ON EAST AND WEST INTERSECTION LEGS IN ORDER TO ACCOMMODATE NEW SIGNAL HEADS AS SHOWN.

RELOCATE AND PLACE ADDITIONAL SIGN PANELS AS SHOWN.

REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:

- EXISTING TETHER WIRE SPANNIG EAST AND WEST INTERSECTION LEGS



TRAFFIC SIGNALS LEGEND

EXISTING	PROPOSED	DESCRIPTION
⊕	⊕	SERVICE INSTALLATION
⊗	⊗	CONTROLLER CABINET
—	—	SPAN WIRE
⊕	⊕	SIGNAL HEAD WITH BACKPLATE
⊕	⊕	SIGNAL HEAD WITH BACKPLATE RELOCATED
⊕	⊕	TEMPORARY TRAFFIC SIGNAL POST
⊕	⊕	PEDESTRIAN SIGNAL HEAD
⊕	⊕	DETECTION ZONE FOR VIDEO DETECTION CAMERA
⊕	⊕	VIDEO DETECTION CAMERA

SCHEDULE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
72000100	SIGN PANEL - TYPE 1	SQ FT	5
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
87200500	TETHER WIRE	FOOT	161
87302245	ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 5C	FOOT	91
87302255	ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 7C	FOOT	363
88030030	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, SPAN WIRE MOUNTED	EACH	1
88030120	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, SPAN WIRE MOUNTED	EACH	1
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	3
89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	3
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
XX003436	RELOCATE SIGN PANEL - TYPE 1	EACH	1

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
 FAU ROUTE 6176 (ARMOUR ROAD)
 SECTION (79)W&RS & 140RS
 KANKAKEE COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE 01/09

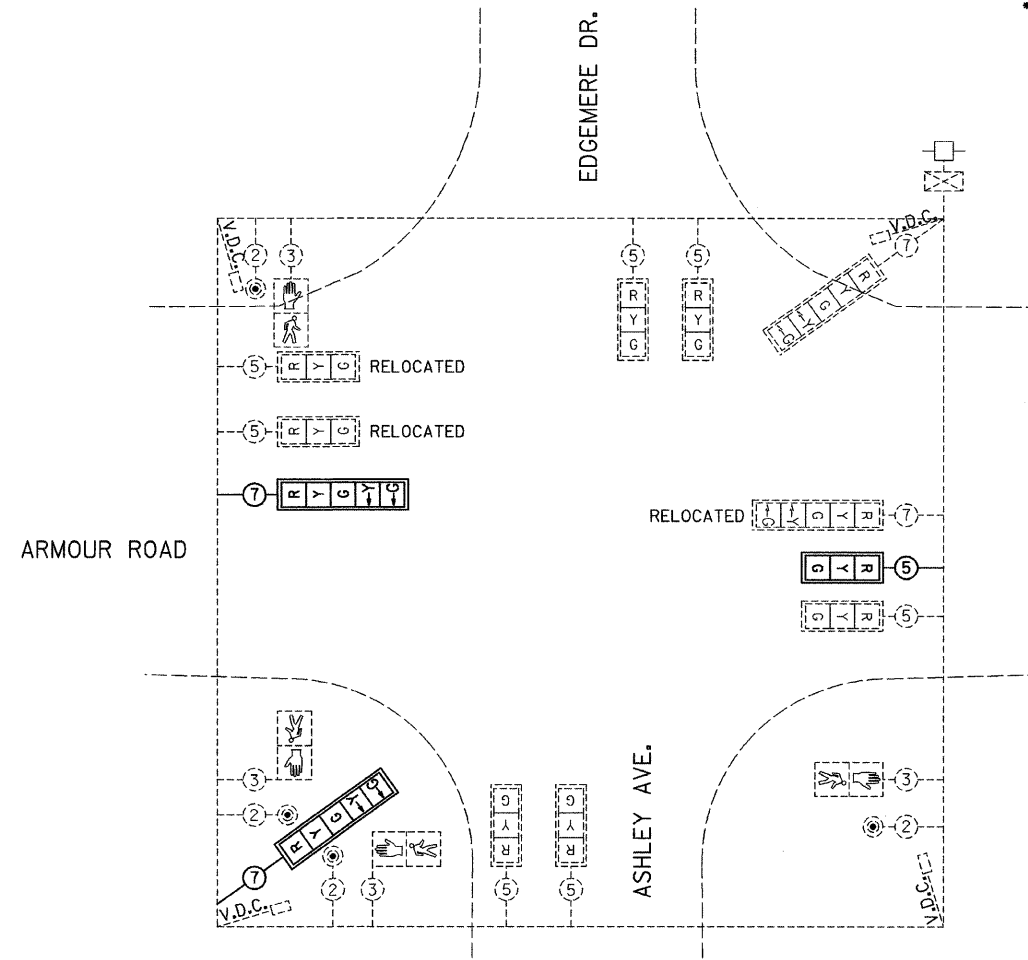
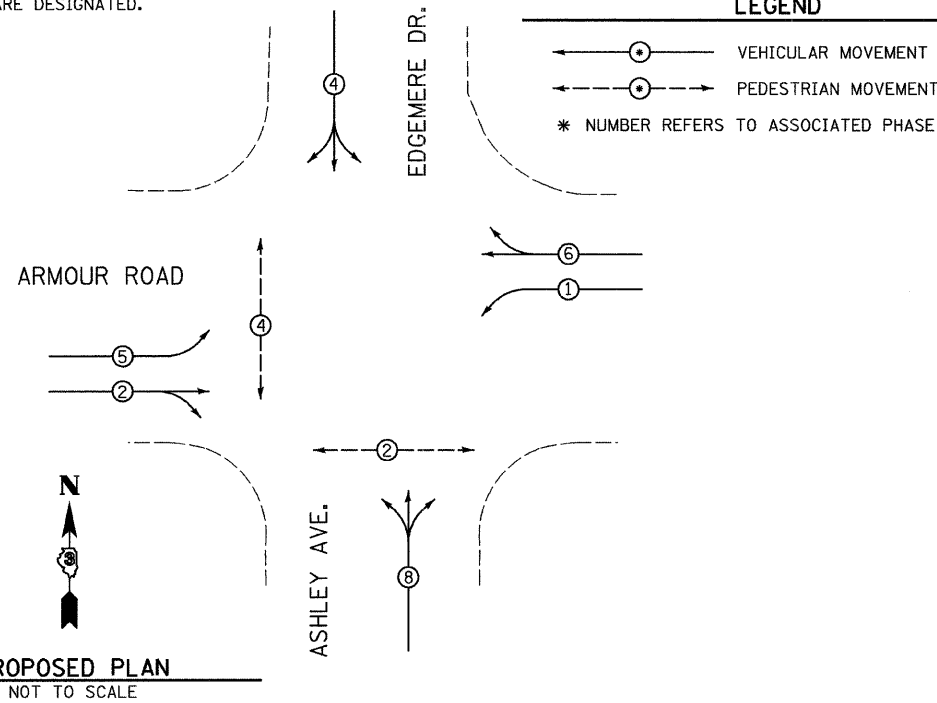
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PLOT DATE = 12/06
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	37
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				
* FAU ROUTE 6176 (ARMOUR ROAD)				
** SECTION (79)W&RS & 140RS				

CONTROLLER SEQUENCE

NAME OF INTERSECTION: ARMOUR ROAD AND EDGEMERE DR. / ASHLEY AVE.
 CONTROLLER SPECIFIED: FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE II, 8 PHASE, IN TYPE IV CABINET
 REFERRING TO STANDARD 857001, THE VEHICULAR AND PEDESTRIAN PHASES USED ARE DESIGNATED.



TRAFFIC SIGNALS LEGEND

- EXISTING CABLE NUMBER
* = CABLE NUMBER
- EXISTING LEFT TURN YELLOW
- EXISTING LEFT TURN GREEN
- EXISTING SIGNAL SECTION 12"
- EXISTING VIDEO DETECTION CAMERA, POLE MOUNTED
- EXISTING CONTROLLER CABINET
- EXISTING TRAFFIC SIGNAL BACKPLATE
- EXISTING PEDESTRIAN SIGNAL
- EXISTING PEDESTRIAN PUSH BUTTON
- PROPOSED CABLE NUMBER
* = CABLE NUMBER
- PROPOSED SIGNAL SECTION 12"
- PROPOSED TRAFFIC SIGNAL BACKPLATE

REVISIONS	
NAME	DATE

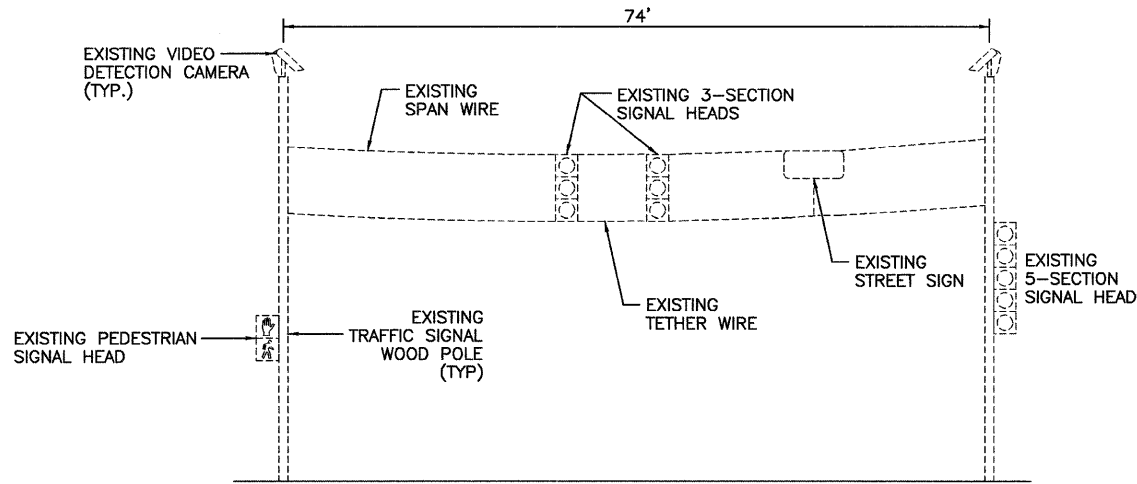
ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL CABLE PLAN
 FAU ROUTE 6176 (ARMOUR ROAD)
 SECTION (79)W&RS & 140RS
 KANKAKEE COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE 01/09

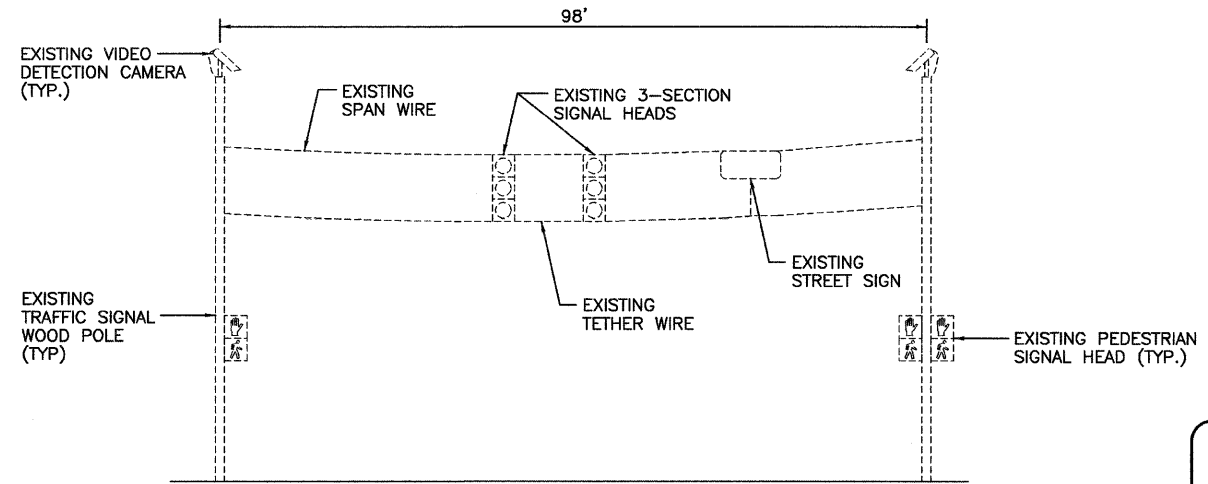
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	38
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				
* FAU ROUTE 6176 (ARMOUR ROAD)				
** SECTION (79)W&RS & 140RS				



NORTHBOUND
NOT TO SCALE



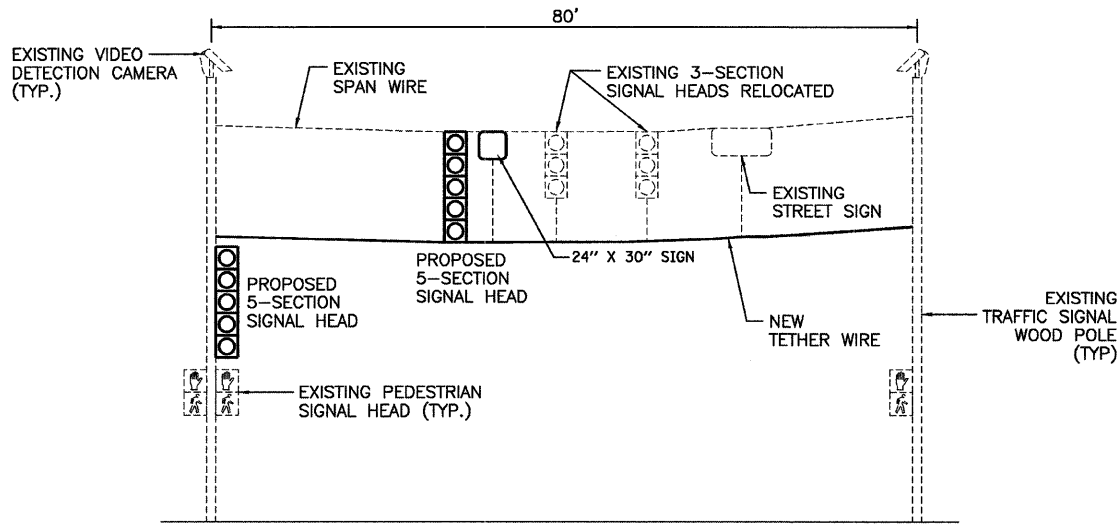
SOUTHBOUND
NOT TO SCALE

LEFT ON GREEN
ARROW
ONLY

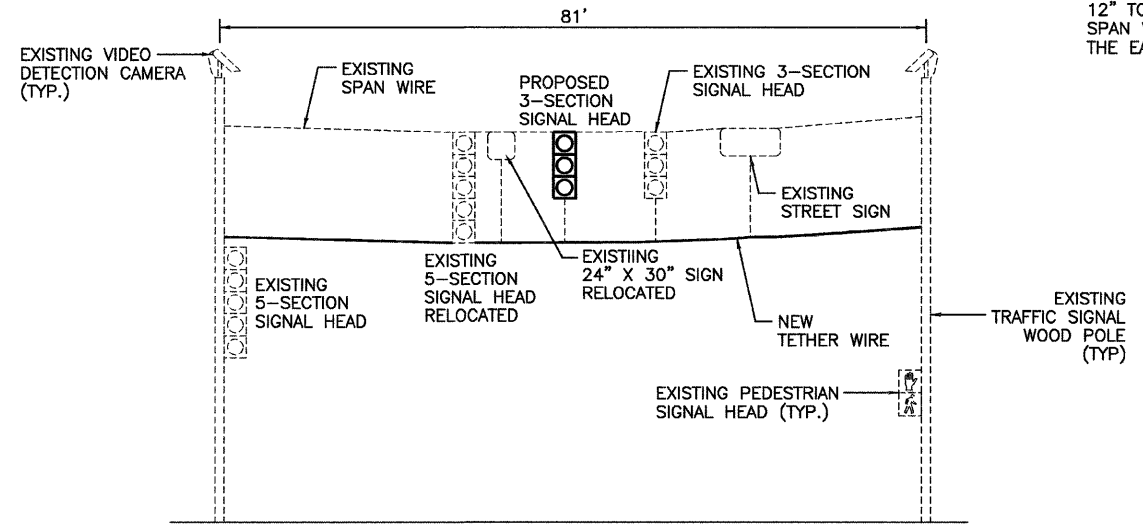
R10 - 5
24" X 30"

TYPE ZZ SHEETING REQUIRED
1 SIGN REQUIRED = 5 SQ.FT. EACH
= 5 SQ.FT. TOTAL

THIS SIGN SHALL BE LOCATED 6" TO 12" TO THE RIGHT OF EACH 5 SECTION SPAN WIRE MOUNTED LEFT TURN SIGNAL FOR THE EASTBOUND AND WESTBOUND APPROACHES.



WESTBOUND
NOT TO SCALE



EASTBOUND
NOT TO SCALE

ARMOUR ROAD / EDMERE DRIVE / ASHLEY AVENUE

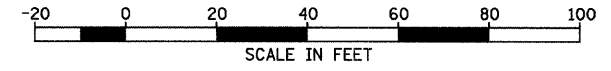
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FILE NAME = Z043807SDIETED.DGN
USER NAME = ARR

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL DETAILS
FAU ROUTE 6176 (ARMOUR ROAD)
SECTION (79)W&RS & 140RS
KANKAKEE COUNTY

SCALE: VERT.
HORIZ.
DATE 01/09

DRAWN BY ARR
CHECKED BY JLS

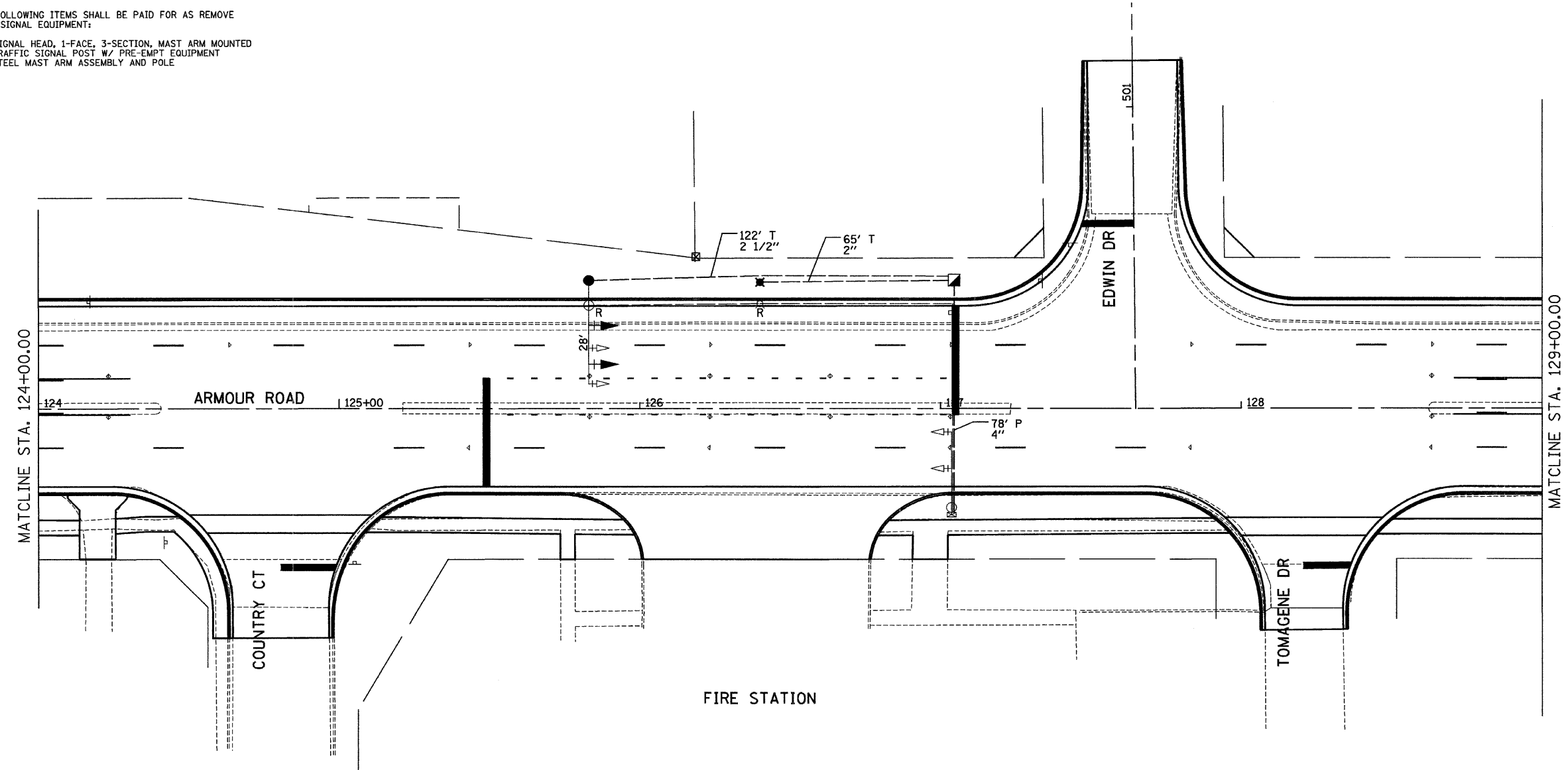


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	39
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				
• FAU ROUTE 6176 (ARMOUR ROAD) • SECTION (79)W&RS & 140RS				



CONSTRUCTION NOTES:

- REMOVE AND REPLACE THE EXISTING WESTBOUND MAST ARM ASSEMBLY AND POLE AS SHOWN. RELOCATE EXISTING ILLUMINATED SIGNS FROM EXISTING MAST ARM ASSEMBLY AND POLE TO THE NEW ONE.
- REMOVE AND REPLACE THE EXISTING SIGNAL POLE WHICH SUPPORTS THE EMERGENCY PRE-EMPT DETECTOR EQUIPMENT AS SHOWN.
- MODIFY EXISTING CONTROLLER PANEL TO REMOVE AND REPLACE SIGNAL CABLES AS INDICATED.
- REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:
 - 2 EACH - SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
 - 1 EACH - TRAFFIC SIGNAL POST W/ PRE-EMPT EQUIPMENT
 - 1 EACH - STEEL MAST ARM ASSEMBLY AND POLE



SCHEDULE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	65
81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	122
81021370	CONDUIT PUSHED, 4" DIA., PVC	FOOT	78
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	187
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	525
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	537
87501200	TRAFFIC SIGNAL POST, 16 FT.	EACH	1
87700180	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3
87800415	CONCRETE FOUNDATION, TYPE E, 36 INCH DIAMETER	FOOT	10
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	2
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
88700200	LIGHT DETECTOR	EACH	1
89500300	RELOCATE EXISTING ILLUMINATED SIGN	EACH	2
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	207
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	2
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	288.5
XX002179	ELECTRIC CABLE IN CONDUIT, COMMUNICATION #20 3/C	FOOT	179.5

TRAFFIC SIGNALS LEGEND

EXISTING	PROPOSED	DESCRIPTION
☒	☒	CONTROLLER CABINET
---	---	CONDUIT
⊕	⊕	SIGNAL HEAD WITH BACKPLATE
○	●	STEEL MAST ARM
○	●	TRAFFIC SIGNAL POST
⊗	⊗	HANDHOLE
⊗	⊗	EMERGENCY VEHICLE LIGHT DETECTOR AND POLE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC SIGNAL PLAN
 FAU ROUTE 6176 (ARMOUR ROAD)
 SECTION (79)W&RS & 140RS
 KANKAKEE COUNTY

SCALE: VERT. 1"=20'
 HORIZ. 1"=40'
 DATE 11/05

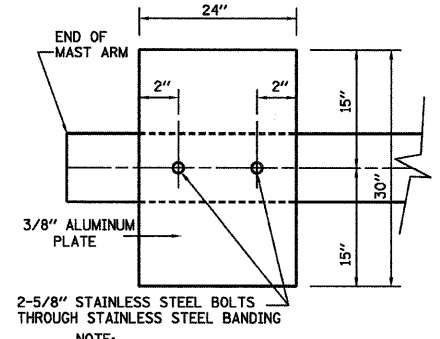
DRAWN BY ARR
 CHECKED BY JLS

PLOT DATE = 12/05
 FILE NAME = Z0450251\FIN\FIN.DWG
 PLOT SCALE = 1"=20'
 USER NAME = ARR

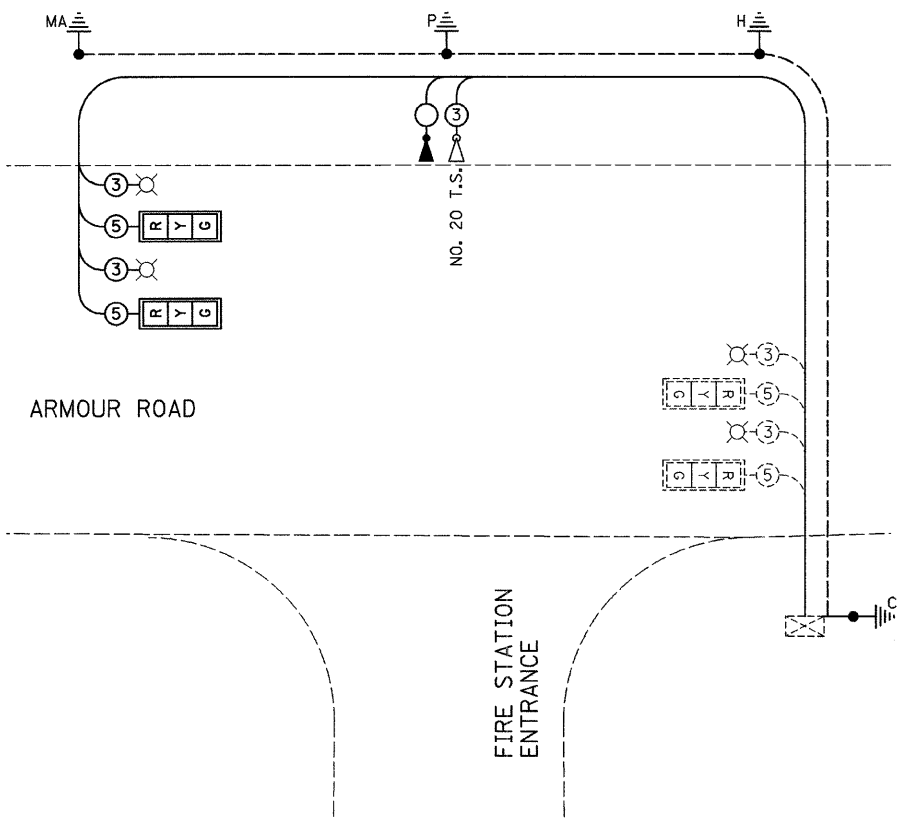
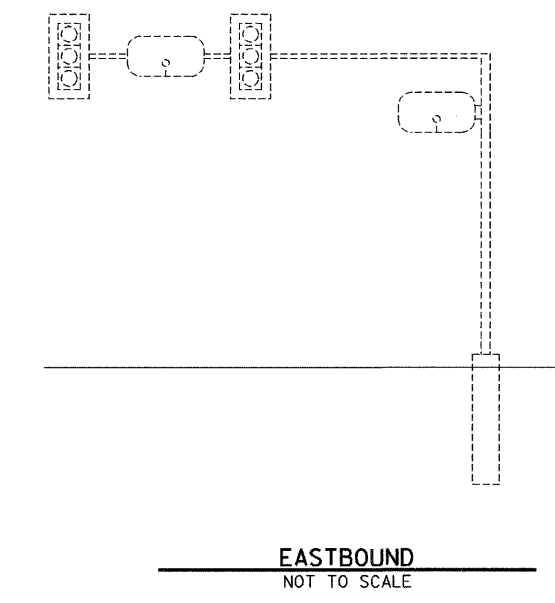
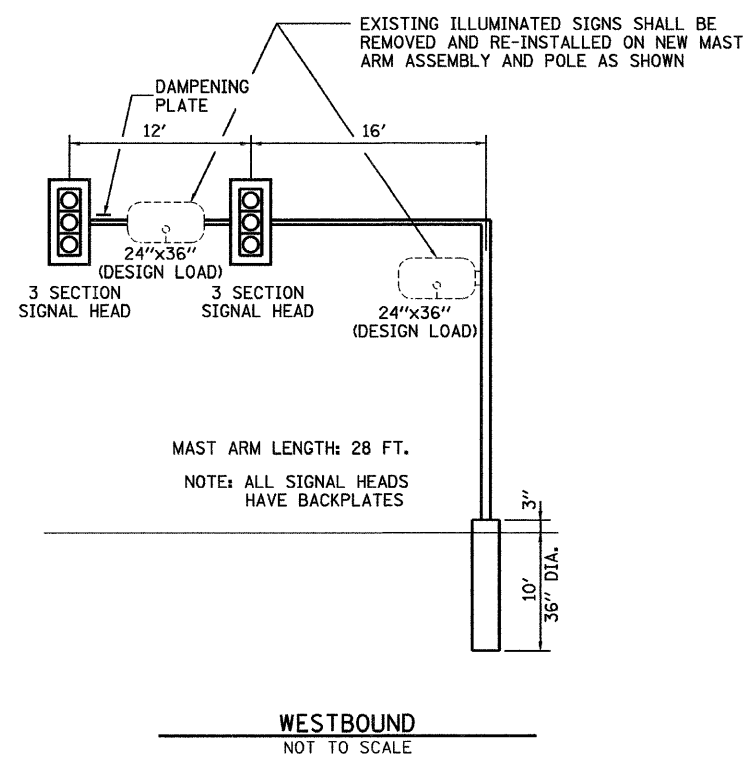
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	40
STA. _____ TO STA. _____				
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				
* FAU ROUTE 6176 (ARMOUR ROAD)				
** SECTION (79)W&RS & 140RS				

NOTE:

DAMPENING DEVICE SHALL CONSIST OF A 24" X 30" TYPE 1, UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON TOP OF MAST ARM WITH THE 30" LENGTH PERPENDICULAR TO THE ARM. COST OF THE DAMPENING DEVICE IS INCLUDED IN THE MAST ARM PAY ITEM.



NOTE: MOUNT DAMPENING PLATE TO END OF EACH TRAFFIC SIGNAL MAST ARM.
DAMPENING PLATE DETAIL - TOP VIEW



PROPOSED CABLE PLAN
NOT TO SCALE

- TRAFFIC SIGNALS LEGEND**
- EXISTING CABLE NUMBER
 - *=-CABLE NUMBER
 - EXISTING SIGNAL SECTION 12"
 - EXISTING SIGN ILLUMINATION (RELOCATED)
 - EXISTING CONTROLLER CABINET
 - EXISTING TRAFFIC SIGNAL BACKPLATE
 - DETNOTES NUMBER OF CONDUCTORS (NEW) ALL CABLE NO. 14 EXCEPT AS INDICATED
 - SIGNAL SECTION 12"
 - EMERGENCY VEHICLE CONFIRMATION BEACON
 - EMERGENCY VEHICLE LIGHT DETECTOR
 - TRAFFIC SIGNAL BACKPLATE
 - GROUND ROD AT POST (P) OR MAST ARM (MA) OR HANDHOLE (H) OR CONTROLLER (C) OR SERVICE INSTALLATION (S)

PLOT DATE = 12/05
 FILE NAME = Z04307SCABLE.PFD
 USER = ARR

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC SIGNAL CABLE PLAN
 AND DETAIL PLAN
 FAU ROUTE 6176 (ARMOUR ROAD)
 SECTION (79)W&RS & 140RS
 KANKAKEE COUNTY

VERT. SCALE: 11/05
 HORIZ. SCALE: 11/05

DRAWN BY ARR
 CHECKED BY JLS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	41
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		
* FAU ROUTE 6176 (ARMOUR ROAD)				
** SECTION (79)W&RS & 14ORS				



Illinois Department of Transportation
Division of Highway
IDOT

SOIL BORING LOG

Page 1 of 1

Date 1/27/09

ROUTE Armour Road DESCRIPTION _____ LOGGED BY LM
SECTION _____ LOCATION 25' N. of Existing Base. SEC. . TWP. . RNG.
COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

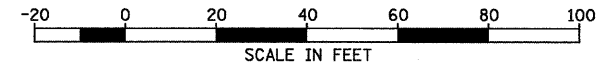
STRUCT. NO.	D	B	U	M	Surface Water Elev.	ft
Station	E	L	C	O	Stream Bed Elev.	ft
BORING NO.	P	O	S	I	Groundwater Elev.:	
Station	T	W	Qu	T	First Encounter	ft
Offset	H	S			Upon Completion	ft
Ground Surface Elev.	ft	(ft)	(#")	(tsf)	(%)	After _____ Hrs.
Augered Black Silty Clay Loam	—					
Topsoil Fill, Brown Silty Clay Loam	—					
Till (Fill)	—					
Very Stiff Brown and Black Silty Clay Loam (Fill) with Some Large Gravel and Debris Pieces	—	3				
	—	4	3.0	16.3		
	—	4	P			
Very Stiff Brown and Gray Silty Clay Loess	—					
	-5	3				
	—	4	2.5	28.5		
	—	5	P			
Very Stiff Brown and Gray Silty Clay Loam Till with heavier gravel pieces at 10' and soft at 12.5'	—					
	—	3				
	—	5	3.5	20.9		
	—	7	S			
	-10	3				
	—	4	3.1	11.6		
	—	5	S			
Tan Fract Dolostone with Free Water	—	WH				
	—	14				
	—	36		17.7		
End of Boring	—					
	-15					
	—					
	—					
	—					
	—					
	—					
	—					
	—					
	—					
	-20					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by [B-Bulge, S-Shear, P-Penetrometer]
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		TRAFFIC SIGNAL SOIL BORINGS FAU ROUTE 6176 (ARMOUR ROAD) SECTION (79)W&RS & 14ORS KANKAKEE COUNTY
SCALE:	VERT. _____ HORIZ. _____	DRAWN BY ARR CHECKED BY JLS
DATE	01/09	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	42

STA. _____ TO STA. _____
 FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT
 * FAU ROUTE 6176 (ARMOUR ROAD)
 ** SECTION (79)W&RS & 140RS

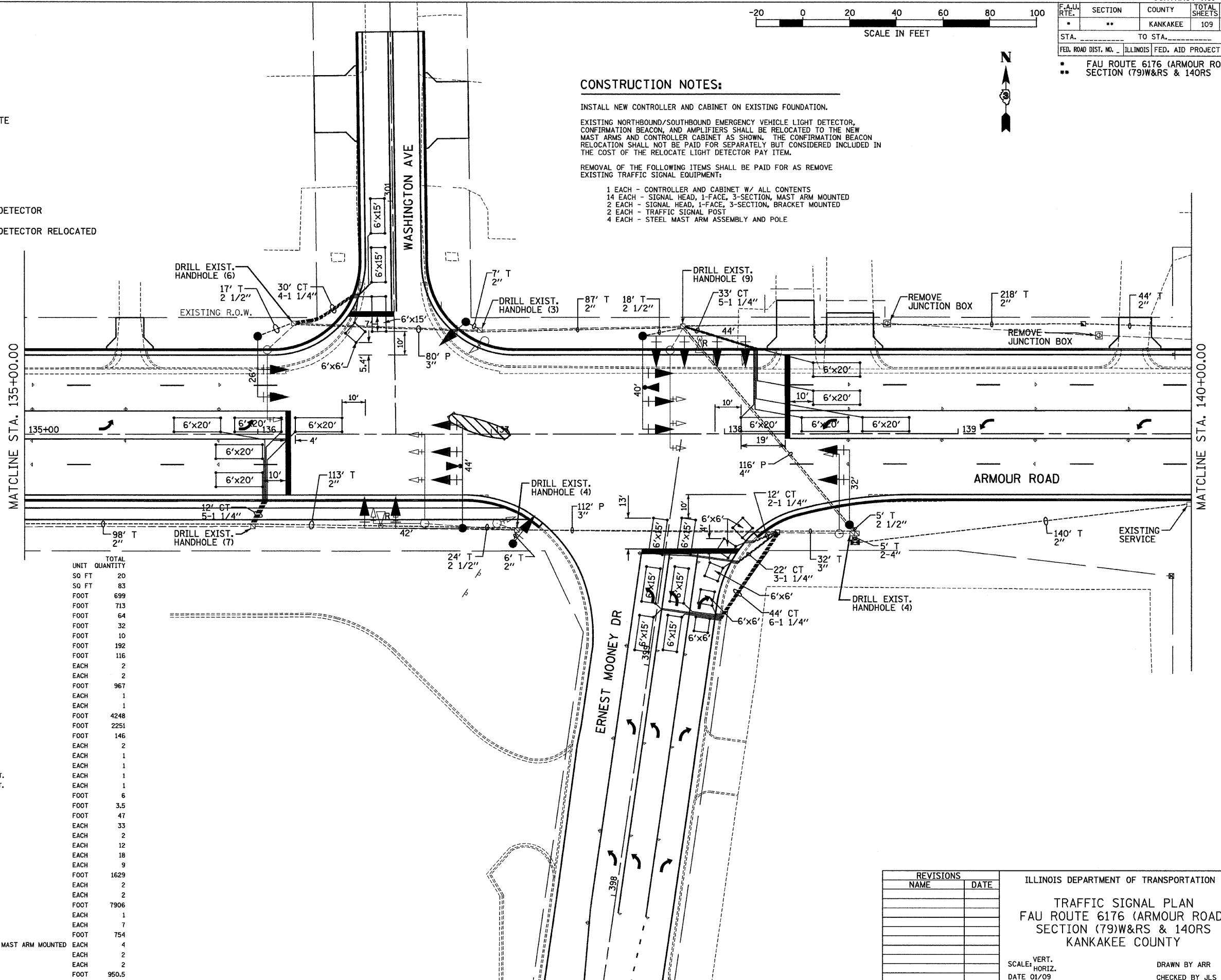


TRAFFIC SIGNALS LEGEND

EXISTING	PROPOSED	
⊕	⊕	SERVICE INSTALLATION
⊞	⊞	CONTROLLER CABINET
---	---	CONDUIT
↑	↑	SIGNAL HEAD WITH BACKPLATE
○	○	STEEL MAST ARM
○	○	TRAFFIC SIGNAL POST
⊞	⊞	HANDHOLE
⊞	⊞	DOUBLE HANDHOLE
△	△	EMERGENCY VEHICLE LIGHT DETECTOR
△ R	△ R	EMERGENCY VEHICLE LIGHT DETECTOR RELOCATED

CONSTRUCTION NOTES:

- INSTALL NEW CONTROLLER AND CABINET ON EXISTING FOUNDATION.
- EXISTING NORTHBOUND/SOUTHBOUND EMERGENCY VEHICLE LIGHT DETECTOR, CONFIRMATION BEACON, AND AMPLIFIERS SHALL BE RELOCATED TO THE NEW MAST ARMS AND CONTROLLER CABINET AS SHOWN. THE CONFIRMATION BEACON RELOCATION SHALL NOT BE PAID FOR SEPARATELY BUT CONSIDERED INCLUDED IN THE COST OF THE RELOCATE LIGHT DETECTOR PAY ITEM.
- REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:
 - 1 EACH - CONTROLLER AND CABINET W/ ALL CONTENTS
 - 14 EACH - SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
 - 2 EACH - SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED
 - 2 EACH - TRAFFIC SIGNAL POST
 - 4 EACH - STEEL MAST ARM ASSEMBLY AND POLE



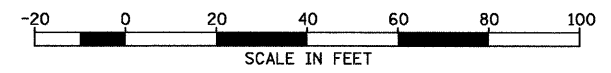
SCHEDULE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
72000100	SIGN PANEL - TYPE 1	SO FT	20
72000200	SIGN PANEL - TYPE 2	SO FT	83
81012400	CONDUIT IN TRENCH, 1 1/4" DIA., PVC	FOOT	699
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	713
81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	64
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	32
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	10
81021350	CONDUIT PUSHED, 3" DIA., PVC	FOOT	192
81021370	CONDUIT PUSHED, 4" DIA., PVC	FOOT	116
81306500	REMOVE EXISTING JUNCTION BOX	EACH	2
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	967
85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4248
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2251
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	146
87501200	TRAFFIC SIGNAL POST, 16 FT.	EACH	2
87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
87702630	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 40 FT. AND 44 FT.	EACH	1
87702690	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 44 FT. AND 42 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	6
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3.5
87800415	CONCRETE FOUNDATION, TYPE E, 36 INCH DIAMETER	FOOT	47
87900200	DRILL EXISTING HANDHOLE	EACH	33
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	12
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	18
88500100	INDUCTIVE LOOP DETECTOR	EACH	9
88600100	DETECTOR LOOP, TYPE 1	FOOT	1629
88700200	LIGHT DETECTOR	EACH	2
88700300	LIGHT DETECTOR AMPLIFIER	EACH	2
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	7906
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	7
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	754
X88008020	OPTICALLY PROGRAMMED SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
X8950115	RELOCATE LIGHT DETECTOR	EACH	2
X8950120	RELOCATE LIGHT DETECTOR AMPLIFIER	EACH	2
XX002179	ELECTRIC CABLE IN CONDUIT, COMMUNICATION #20 3/C	FOOT	950.5

PLOT DATE = 12/06
 FILE NAME = Z:\63857\SP1\WASH.DGN
 USER NAME = ARR

REVISIONS	
NAME	DATE

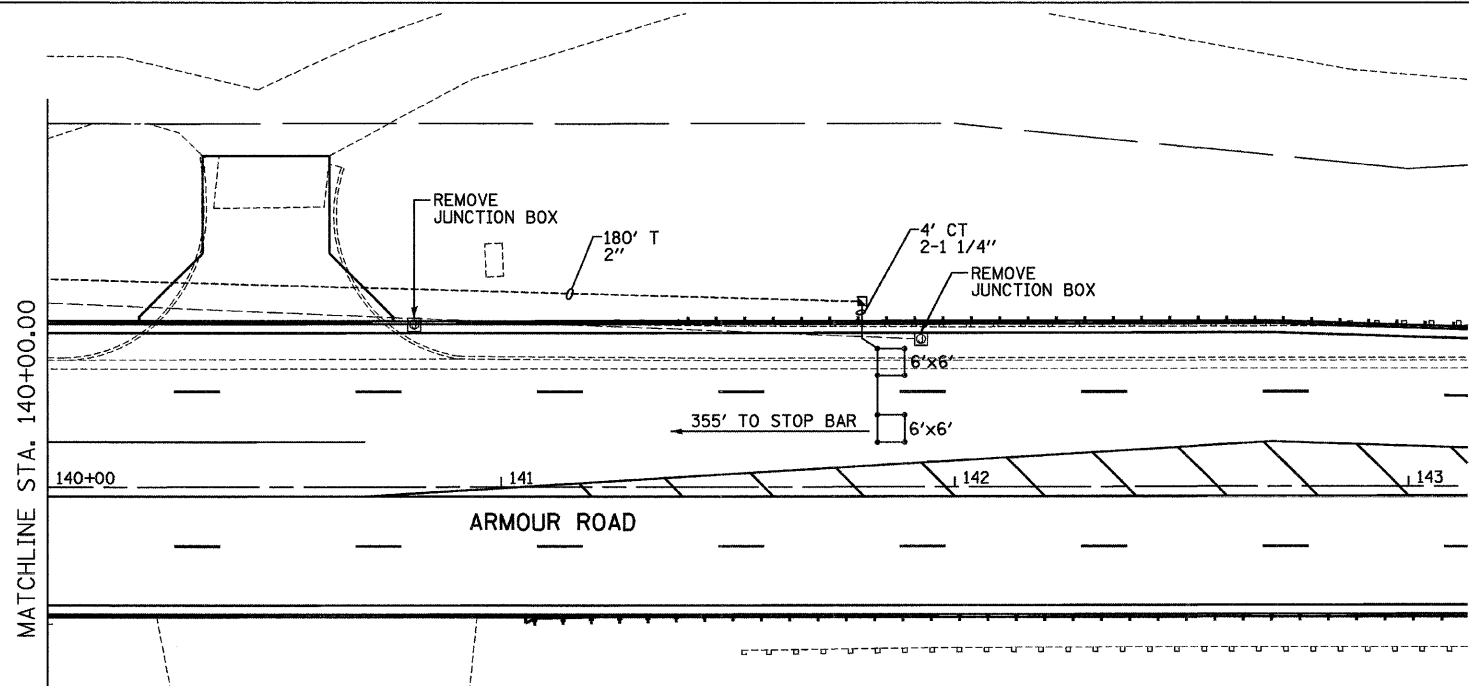
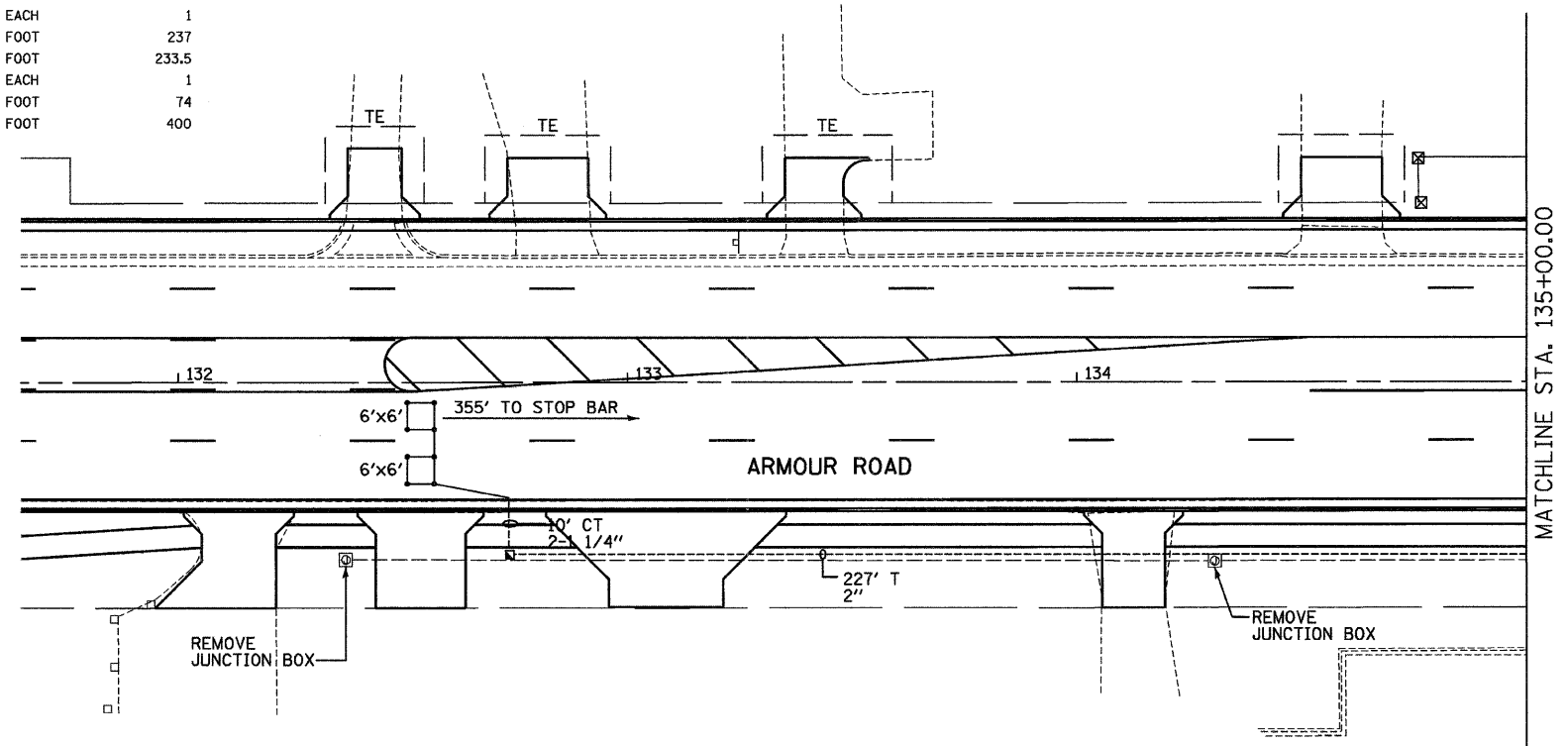
ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC SIGNAL PLAN
 FAU ROUTE 6176 (ARMOUR ROAD)
 SECTION (79)W&RS & 140RS
 KANKAKEE COUNTY
 SCALE: VERT. _____
 HORIZ. _____
 DATE 01/09
 DRAWN BY ARR
 CHECKED BY JLS



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	43
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		
• FAU ROUTE 6176 (ARMOUR ROAD) •• SECTION (79)W&RS & 140RS				

SCHEDULE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
81012400	CONDUIT IN TRENCH, 1 1/4" DIA., PVC	FOOT	20
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	227
81306500	REMOVE EXISTING JUNCTION BOX	EACH	2
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	237
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	233.5
88500100	INDUCTIVE LOOP DETECTOR	EACH	1
88600100	DETECTOR LOOP, TYPE 1	FOOT	74
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	400



TRAFFIC SIGNALS LEGEND

EXISTING	PROPOSED	DESCRIPTION
⊕	⊕	SERVICE INSTALLATION
⊠	⊠	CONTROLLER CABINET
---	---	CONDUIT
⬆	⬆	SIGNAL HEAD WITH BACKPLATE
○	●	STEEL MAST ARM
○	●	TRAFFIC SIGNAL POST
⊠	⊠	HANDHOLE
⊠	⊠	DOUBLE HANDHOLE

SCHEDULE OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
81012400	CONDUIT IN TRENCH, 1 1/4" DIA., PVC	FOOT	8
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	180
81306500	REMOVE EXISTING JUNCTION BOX	EACH	2
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	184
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	186.5
88500100	INDUCTIVE LOOP DETECTOR	EACH	1
88600100	DETECTOR LOOP, TYPE 1	FOOT	65
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	250

PLOT DATE = 12/06
 FILE NAME = ZR4387SP.LIN\ASH-DON
 PLOT SCALE = 1" = 20'
 USER NAME = ARR

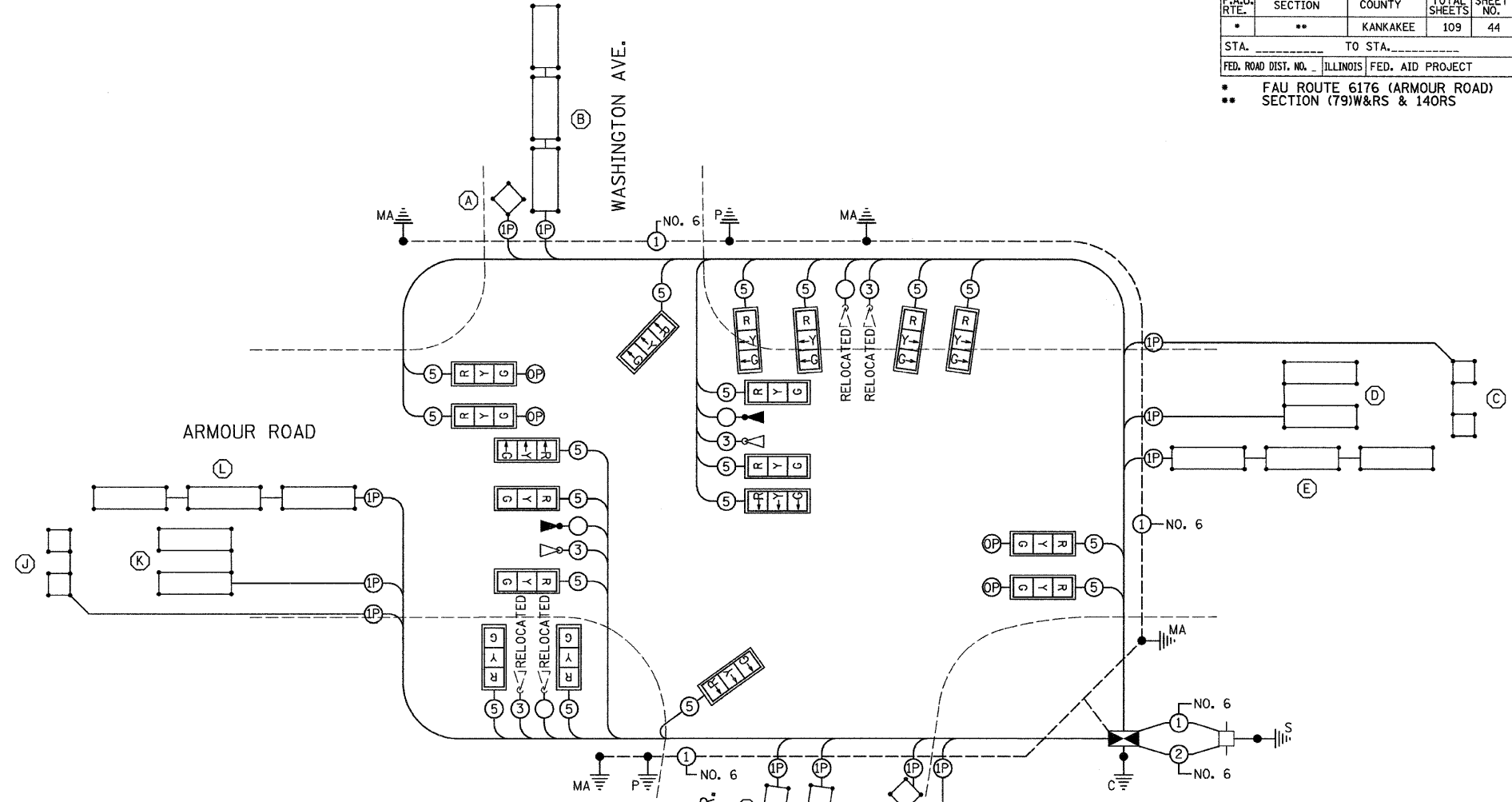
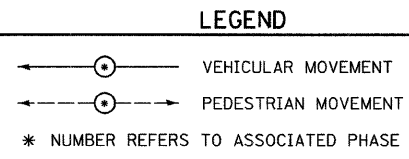
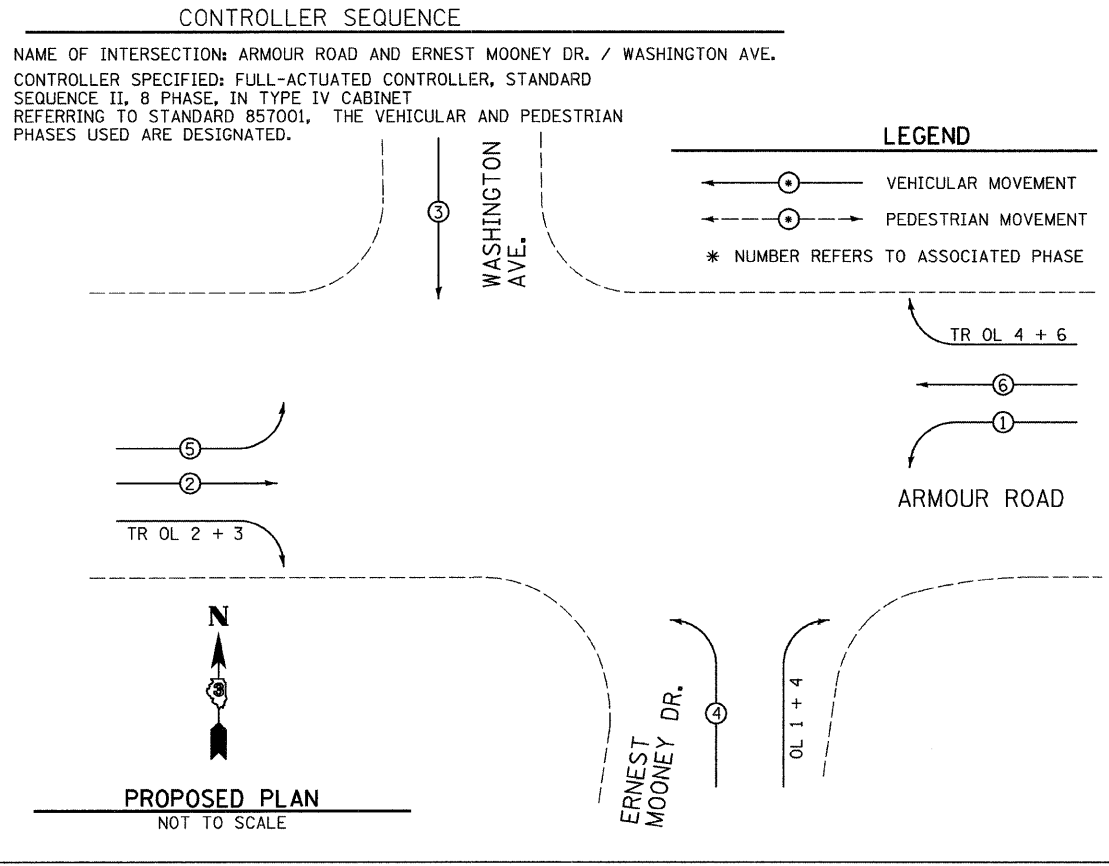
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC SIGNAL PLAN
 FAU ROUTE 6176 (ARMOUR ROAD)
 SECTION (79)W&RS & 140RS
 KANKAKEE COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE 01/09

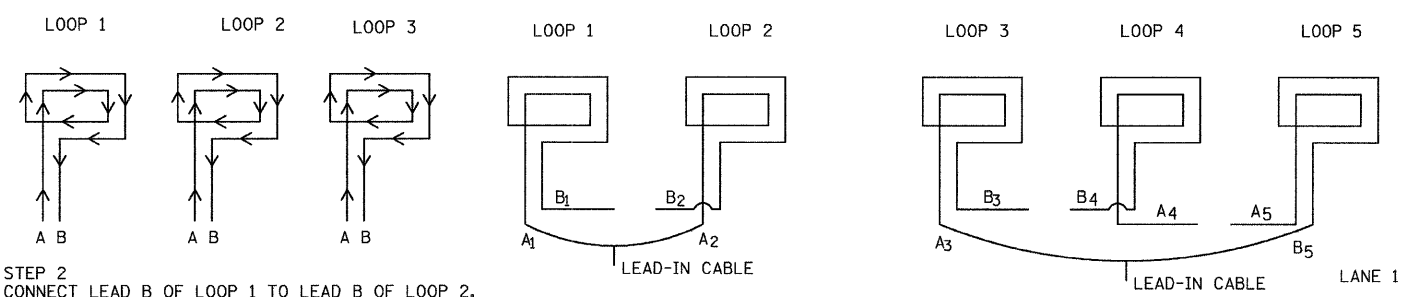
DRAWN BY ARR
 CHECKED BY JLS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	44
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				
* FAU ROUTE 6176 (ARMOUR ROAD)				
** SECTION (79)W&RS & 140RS				



- #### TRAFFIC SIGNALS LEGEND
- OPTICALLY PROGRAMMED SIGNAL HEAD
 - DETNOTES NUMBER OF CONDUCTORS (NEW) ALL CABLE NO. 14 EXCEPT AS INDICATED
 - DETNOTES NUMBER OF PAIR OF WIRE (NEW) ALL LOOP DETECTOR CABLE TO BE TWISTED, SHIELDED ALL CABLE NO. 14 EXCEPT AS INDICATED
 - DENOTES DETECTOR LOOP SYSTEM
 - PROPOSED CONTROLLER CABINET
 - LEFT TURN RED
 - LEFT TURN YELLOW
 - LEFT TURN GREEN
 - SIGNAL SECTION 12"
 - EMERGENCY VEHICLE CONFIRMATION BEACON RELOCATED
 - EMERGENCY VEHICLE LIGHT DETECTOR RELOCATED
 - EMERGENCY VEHICLE CONFIRMATION BEACON
 - EMERGENCY VEHICLE LIGHT DETECTOR
 - VEHICLE DETECTOR, INDUCTION LOOP
 - TRAFFIC SIGNAL BACKPLATE
 - GROUND ROD AT POST (P) OR MAST ARM (MA) OR HANDHOLE (H) OR CONTROLLER (C) OR SERVICE INSTALLATION (S)

STEP 1
 WIND ALL LOOPS CLOCKWISE. LABEL BEGINNING END OF CABLE A. LABEL ENDING END OF CABLE B. FOLLOW DETECTOR LOOP CABLE MANUFACTURER'S INSTRUCTIONS ON NUMBER OF TURNS FOR LOOP.



STEP 2
 CONNECT LEAD B OF LOOP 1 TO LEAD B OF LOOP 2. CONNECT LEAD A OF LOOP 2 TO LEAD A OF LOOP 3.

DETECTOR LOOP WINDING AND SERIES SPLICING DETAIL
 (SEE DETECTOR LOOP INDUCTANCE CHART FOR NUMBER OF TURNS)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL CABLE PLAN
 FAU ROUTE 6176 (ARMOUR ROAD)
 SECTION (79)W&RS & 140RS
 KANKAKEE COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE 01/09

DRAWN BY ARR
 CHECKED BY JLS

PLOT DATE = 12/06
 FILE NAME = ZM43057SCABLE.DGN
 PLOT NAME = 20"
 USER NAME = PAR

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	45
STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT		
* FAU ROUTE 6176 (ARMOUR ROAD)				
** SECTION (79)W&RS & 14ORS				

DETECTOR LOOP SYSTEM	Ø	LOCATION	TURNS PER LOOP	INDUCTANCE READING (MICROHENRIES)	FREQUENCY (HERTZ)	J PIN STATUS
A	4	SBRT	5	261	37,779	ON
B	4	SB	4	714	22,841	ON
C	6	WB FAR	6	642	24,088	ON
D	6	WB STBR	4	570	25,564	OFF
E	1	WBLT	4	834	21,134	ON
F	OL1	NBRT BK	5	384	31,146	OFF
G	OL1	NBRT FR	5	560	25,792	ON
H	3	NBLT RL	4	657	23,812	ON
I	3	NBLT LL	4	659	23,775	ON
J	2	EB FAR	6	650	23,940	ON
K	2	EB STBR	4	592	25,085	OFF
L	5	EBLT	4	858	20,837	ON

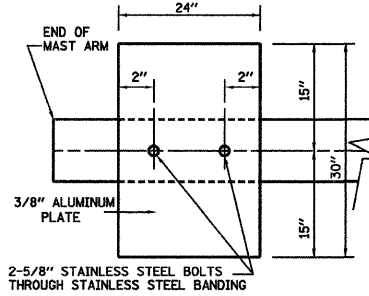
J PIN STATUS: "ON" MEANS STANDARD DETECTOR SETUP. "OFF" MEANS J WIRE HAS BEEN DISCONNECTED. BUT INTACT, AT THE HARNESS PANEL WITH THE NECESSARY SPADE CONNECTION ATTACHED, MARKED, AND INSULATED.

STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
ARMOUR ROAD	RED	8	10	35
	YELLOW	8	19	5
	GREEN	8	14	60
	RED ARROW LT.	4	8	60
	YELLOW ARROW LT.	4	9	5
WASHINGTON AVENUE	RED	2	10	60
	YELLOW	2	19	5
	GREEN	2	14	35
ERNEST MOONEY DRIVE	RED	4	10	50
	YELLOW ARROW LT.	2	9	5
	GREEN ARROW LT.	2	3.4	45
	YELLOW ARROW RT.	2	9	5
	GREEN ARROW RT.	2	3.4	45
TRAFFIC SIGNAL CABINET	CONTROLLER	1	6	100
	VEHICLE DETECTORS	11	4	100
	UPS	1	50	100

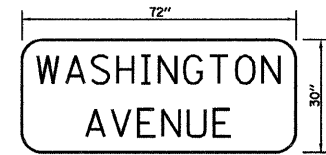
AGENCY RESPONSIBLE FOR TRAFFIC SIGNAL ENERGY CHARGES: VILLAGE OF BOURBONNAIS

NOTE:

DAMPENING DEVICE SHALL CONSIST OF A 24" X 30" TYPE 1, UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON TOP OF MAST ARM WITH THE 30" LENGTH PERPENDICULAR TO THE ARM. COST OF THE DAMPENING DEVICE IS INCLUDED IN THE MAST ARM PAY ITEM.

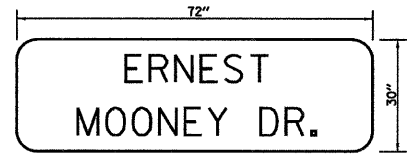


DAMPENING PLATE DETAIL - TOP VIEW



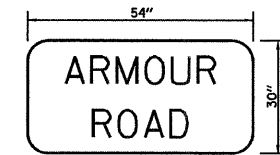
TYPE ZZ SHEETING REQUIRED
8" D SERIES LETTERS
2 SIGNS REQUIRED = 15 SQ. FT. EACH
= 30 SQ. FT. TOTAL

THIS STREET NAME SIGN SHALL BE PLACED ON THE NORTHWEST CORNER AND SOUTHWEST CORNER MAST ARMS PARALLEL WITH WASHINGTON AVENUE



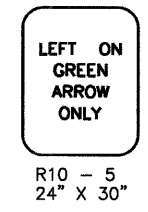
TYPE ZZ SHEETING REQUIRED
8" D SERIES LETTERS
2 SIGNS REQUIRED = 15 SQ. FT. EACH
= 30 SQ. FT. TOTAL

THIS STREET NAME SIGN SHALL BE PLACED ON THE SOUTHWEST CORNER AND NORTHEAST CORNER MAST ARMS PARALLEL WITH ERNEST MOONEY DRIVE



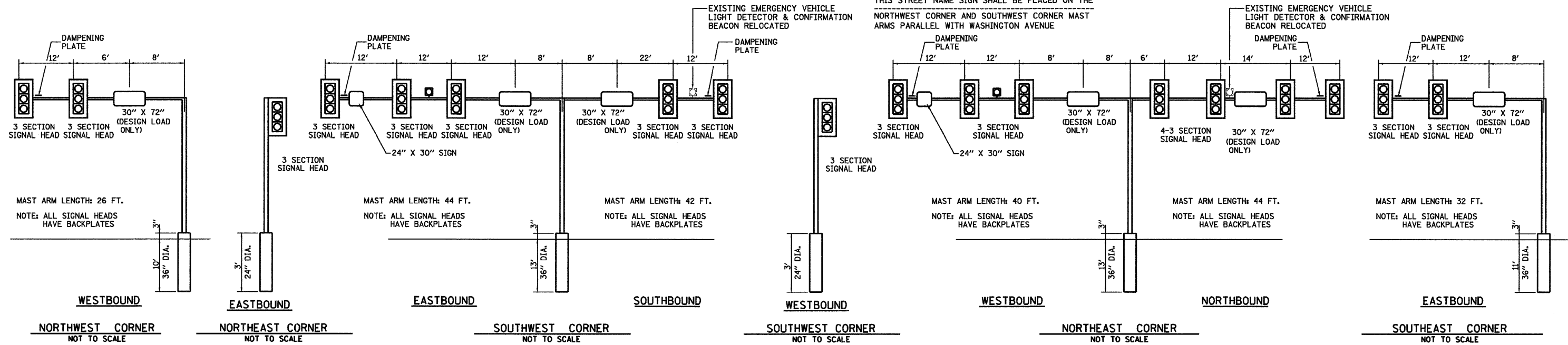
TYPE ZZ SHEETING REQUIRED
8" D SERIES LETTERS
2 SIGNS REQUIRED = 11.25 SQ. FT. EACH
= 22.5 SQ. FT. TOTAL

THIS STREET NAME SIGN SHALL BE PLACED ON THE MAST ARMS PARALLEL WITH ARMOUR ROAD



TYPE ZZ SHEETING REQUIRED
4 SIGNS REQUIRED = 5 SQ. FT. EACH
= 20 SQ. FT. TOTAL

THIS SIGN SHALL BE LOCATED 6" TO 12" TO THE RIGHT OF EACH 5 SECTION MAST ARM MOUNTED LEFT TURN SIGNAL AND DIRECTLY BELOW AND PARALLEL TO THE BACKPLATE OF POST BRACKETED 5 SECTION LEFT TURN SIGNAL FOR THE EASTBOUND AND WESTBOUND APPROACHES.



ARMOUR ROAD / WASHINGTON AVENUE / ERNEST MOONEY DRIVE

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL DETAILS
FAU ROUTE 6176 (ARMOUR ROAD)
SECTION (79)W&RS & 14ORS
KANKAKEE COUNTY

SCALE: VERT. _____
HORIZ. _____
DATE 01/09
DRAWN BY ARR
CHECKED BY JLS

PLOT DATE = 12/06
FILE NAME = ZM43807SDET.DGN
USER NAME = ARR

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	46
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				
* FAU ROUTE 6176 (ARMOUR ROAD)				
** SECTION (79)W&RS & 14ORS				



Illinois Department of Transportation
Division of Highways
District #3, Ottawa

SOIL BORING LOG

Date 10/2/06

ROUTE Armour Rd. DESCRIPTION Armour Rd and Ernest Mooney Dr LOGGED BY Larry Myers
SECTION _____ LOCATION NE 1/4, SEC. 20, TWP. 31N, RNG. 12E
COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.	D	B	U	M	Surface Water Elev.
Station	E	L	C	O	Stream Bed Elev.
	P	O	S	I	
	T	W	Q	S	Groundwater Elev.:
	H	S	U	T	First Encounter
BORING NO.					Upon Completion
Station					After
Offset	ft	(ft)	(/6")	(tsf)	(%)
Ground Surface Elev.					
#1: SE Quad					
22°S, 31°W of existing					
Augered, dark brown, Silty Clay-topsoil					
Very stiff, brown, Silty Clay	6				
	5	2.0	19.2		
	7	P			
Hard, brown gray, Silty Clay Loam Till					
	4				
	5	6.8	17.5		
	7	S			
	5				
	7	8.0	18.7		
	10	S			
	4				
	5	7.0	19.0		
	9	S			
Very stiff, gray, Silty Clay Loam Till					
	3				
	3	3.1	17.9		
	5	B			
	12				
White to tan, Limestone- surface is highly fragmented with large pieces					
Free Water	51		12.5		
	90	P			
Auger Refusal @ 15'					
End of Boring					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
District #3, Ottawa

SOIL BORING LOG

Date 10/2/06

ROUTE Armour Rd. DESCRIPTION Armour Rd and Washington Ave LOGGED BY Larry Myers
SECTION _____ LOCATION SE 1/4, SEC. 17, TWP. 31N, RNG. 12E
COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.	D	B	U	M	Surface Water Elev.
Station	E	L	C	O	Stream Bed Elev.
	P	W	S	I	
	T	S	Q	S	Groundwater Elev.:
BORING NO.					First Encounter
Station					Upon Completion
Offset	ft	(ft)	(/6")	(tsf)	(%)
Ground Surface Elev.					
#2: SW Quad					
40°W of existing					
Augered, brown, Silty Clay Loam-fill and brown, Silty Clay					
Hard, brown gray, Silty Clay	5				
	6	4.5	18.1		
	6	P			
Hard, brown gray, Silty Clay Loam Till					
	5				
	6	6.7	17.6		
	9	S			
	3				
	5	7.2	18.4		
	9	S			
	5				
	9	8.7	17.9		
	11	S			
	3				
	6	2.9	17.5		
	7	B			
	13				
White tan, Limestone- surface fragmented in large pieces					
Free Water	70		10.6		
	100/1'	P			
Auger Refusal @ 15'					
Hole was dry until rock was encountered, when filled to 4'					
End of Boring					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

PLOT DATE = 12/06
FILE NAME = 79459ETS.DWG
USER = JLS
SCALE = 1" = 20'

REVISIONS	
NAME	DATE

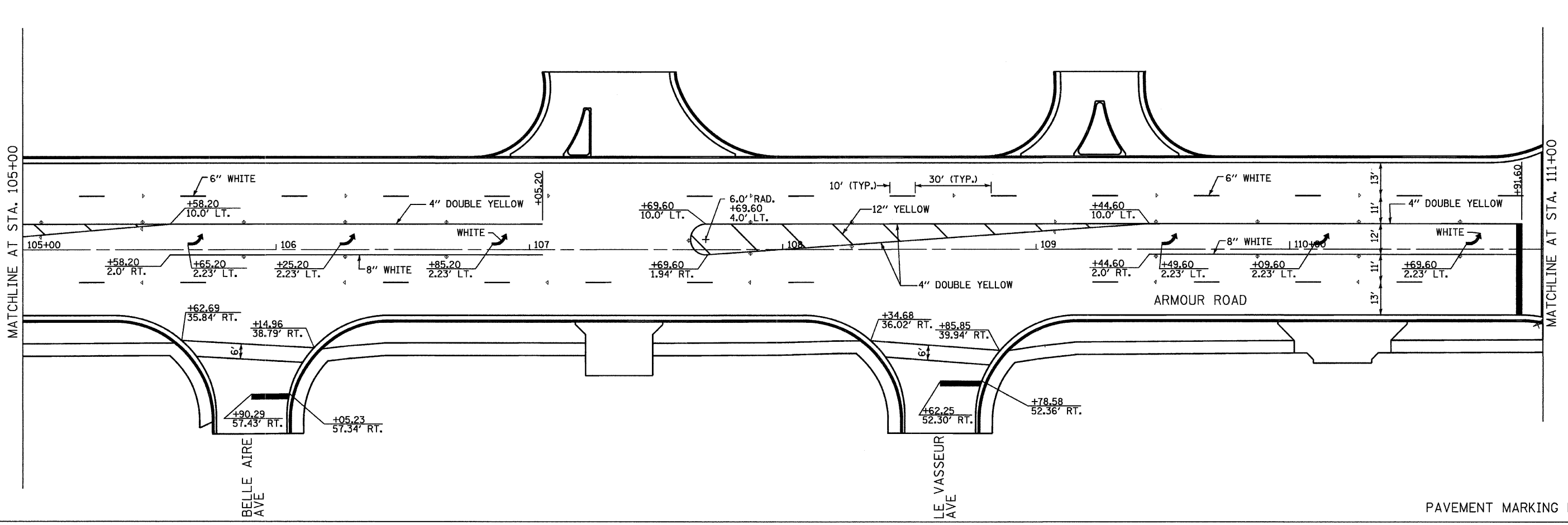
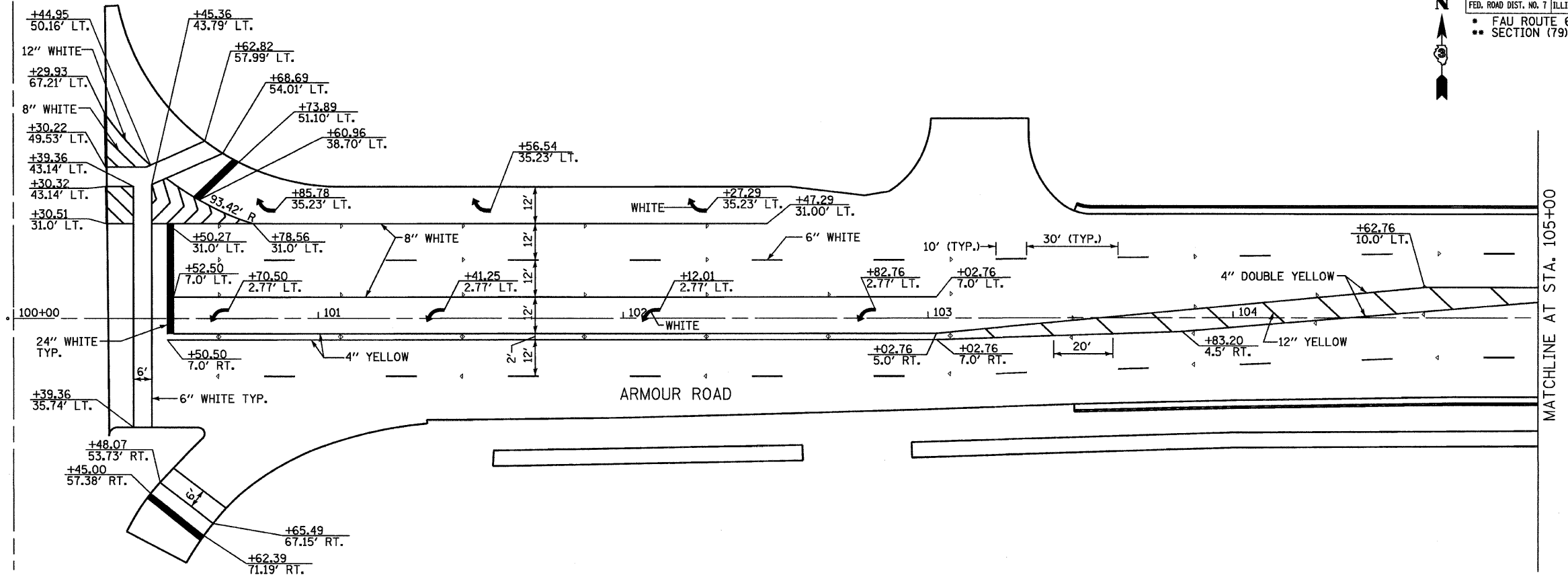
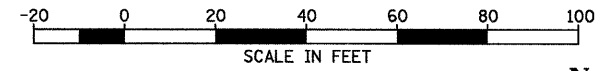
ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL SOIL BORINGS
FAU ROUTE 6176 (ARMOUR ROAD)
SECTION (79)W&RS & 14ORS
KANKAKEE COUNTY

VERT. SCALE: 1" = 20'
HORIZ. SCALE: 1" = 20'
DATE 01/09

DRAWN BY ARR
CHECKED BY JLS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	47

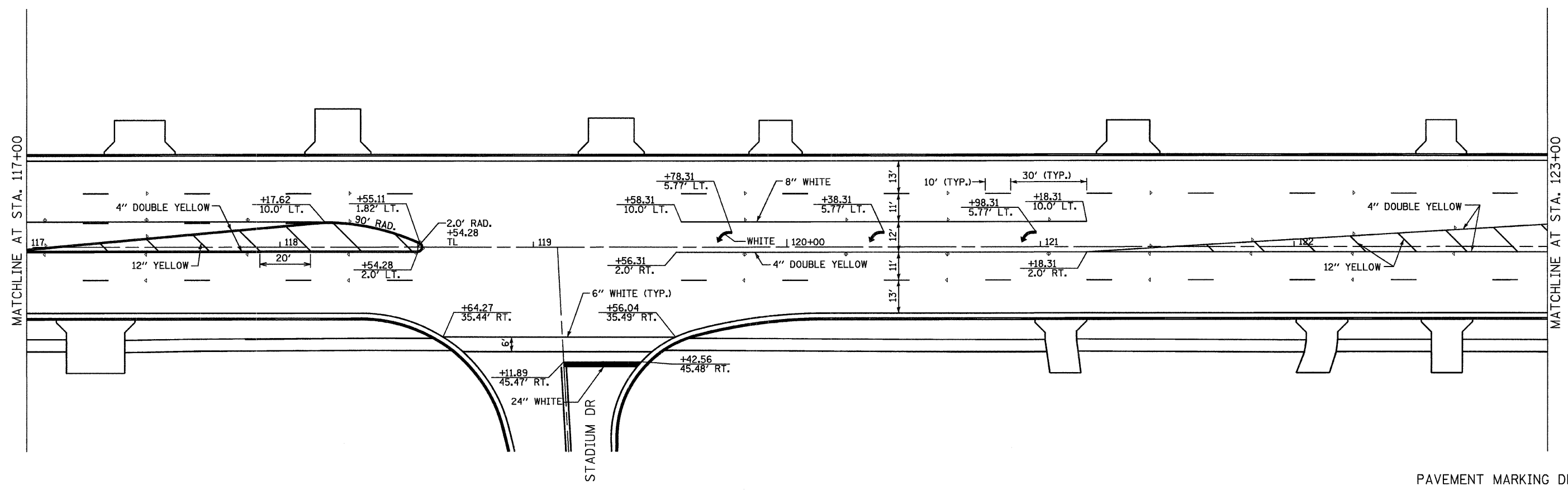
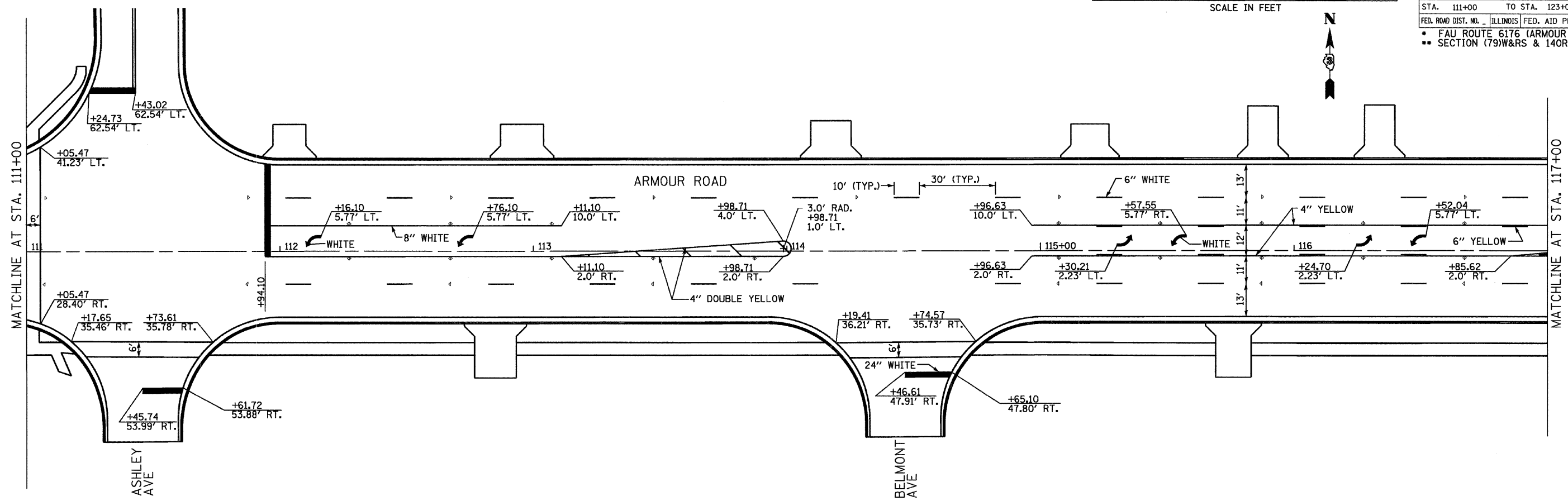
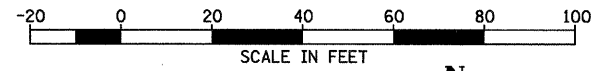
STA. 100+00 TO STA. 111+00
 FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT
 • FAU ROUTE 6176 (ARMOUR ROAD)
 • SECTION (79)W&RS & 140RS



PLOT DATE = 12/06
 FILE NAME = Z:\4385\PH00-111.DGN
 USER NAME = APR

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	48

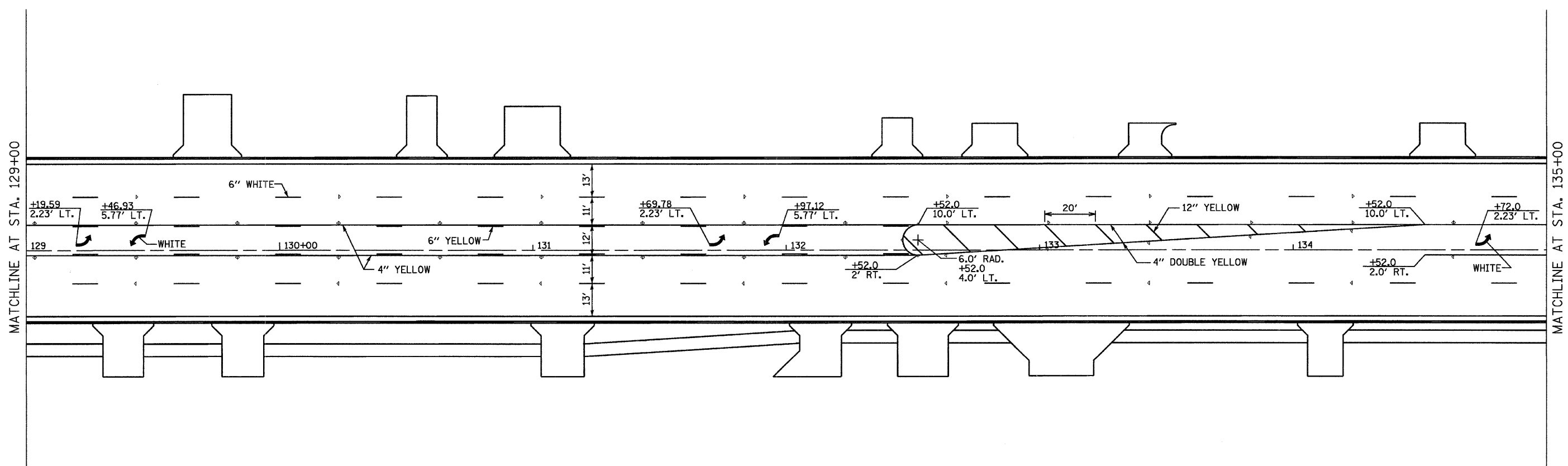
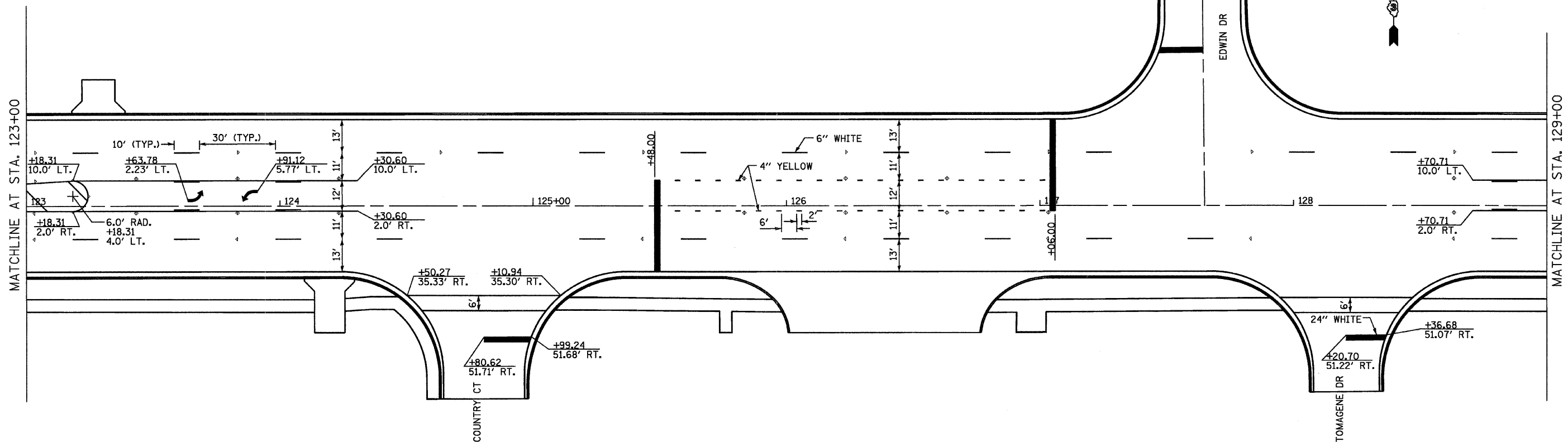
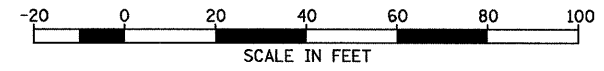
STA. 111+00 TO STA. 123+00
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 • FAU ROUTE 6176 (ARMOUR ROAD)
 • SECTION (79)W&RS & 140RS



PLOT DATE = 12/06
 FILE NAME = Z04305PM11-123.DGN
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	49

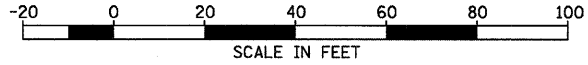
STA. 123+00 TO STA. 135+00
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 * FAU ROUTE 6176 (ARMOUR ROAD)
 ** SECTION (79)W&RS & 14ORS



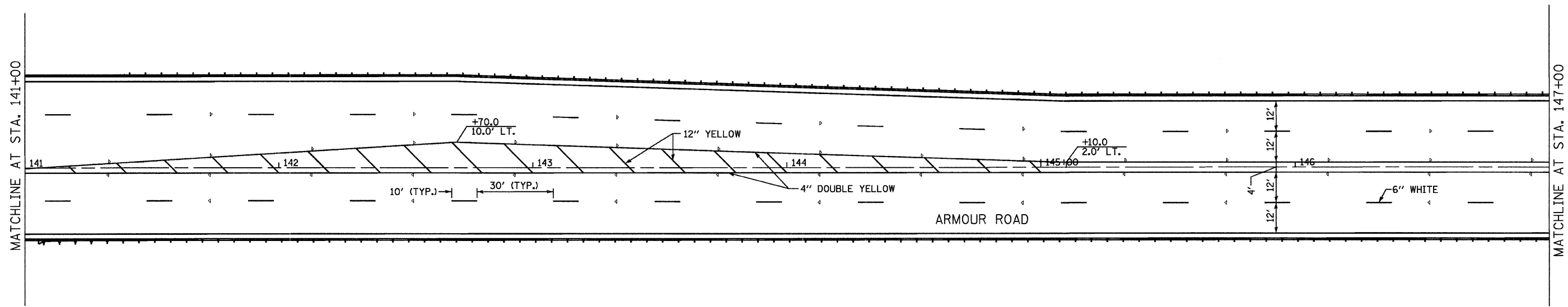
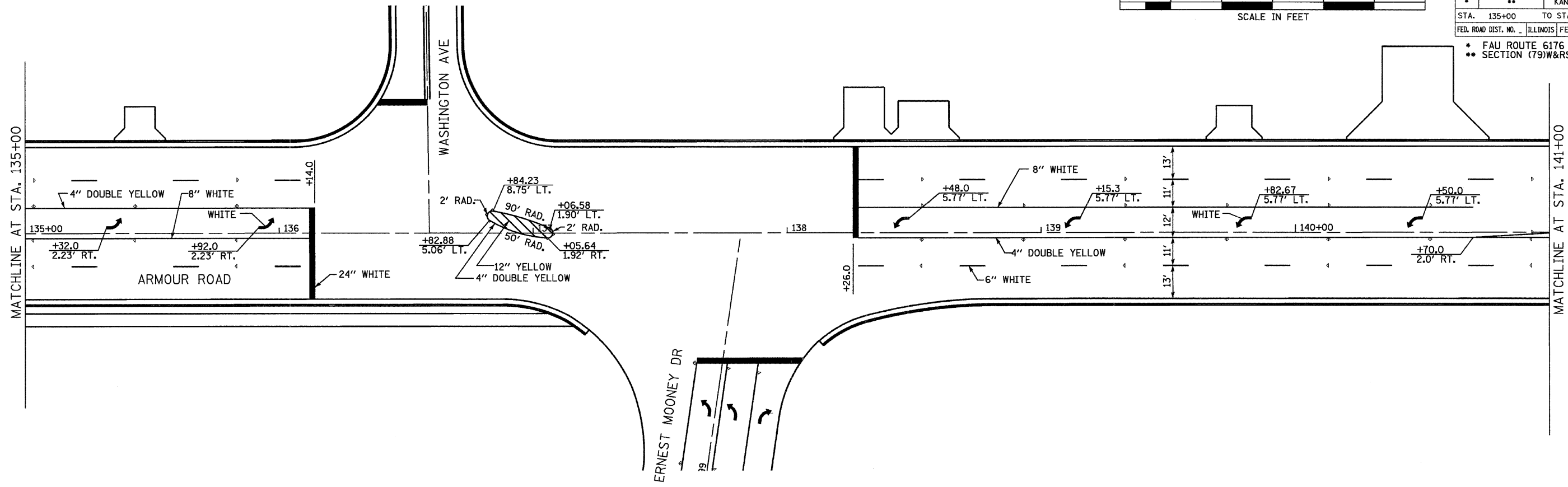
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	50

STA. 135+00 TO STA. 147+00
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



- FAU ROUTE 6176 (ARMOUR ROAD)
- SECTION (79)W&RS & 140RS



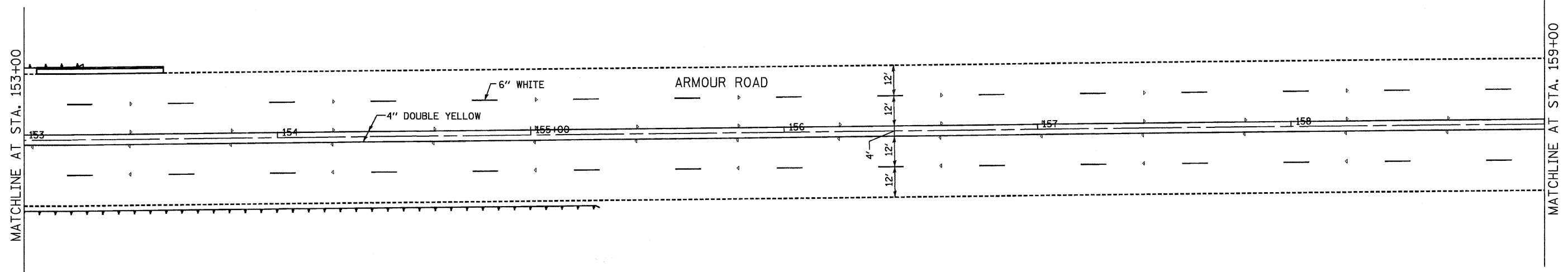
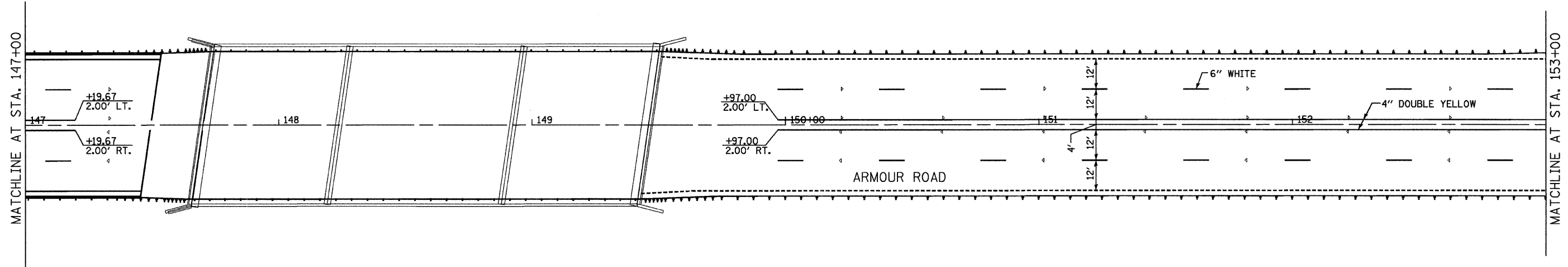
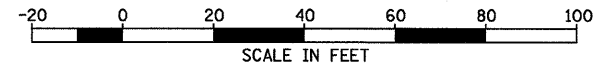
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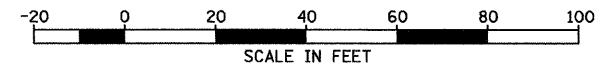
STA. 147+00 TO STA. 159+00

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

- FAU ROUTE 6176 (ARMOUR ROAD)
- SECTION (79)W&RS & 14ORS



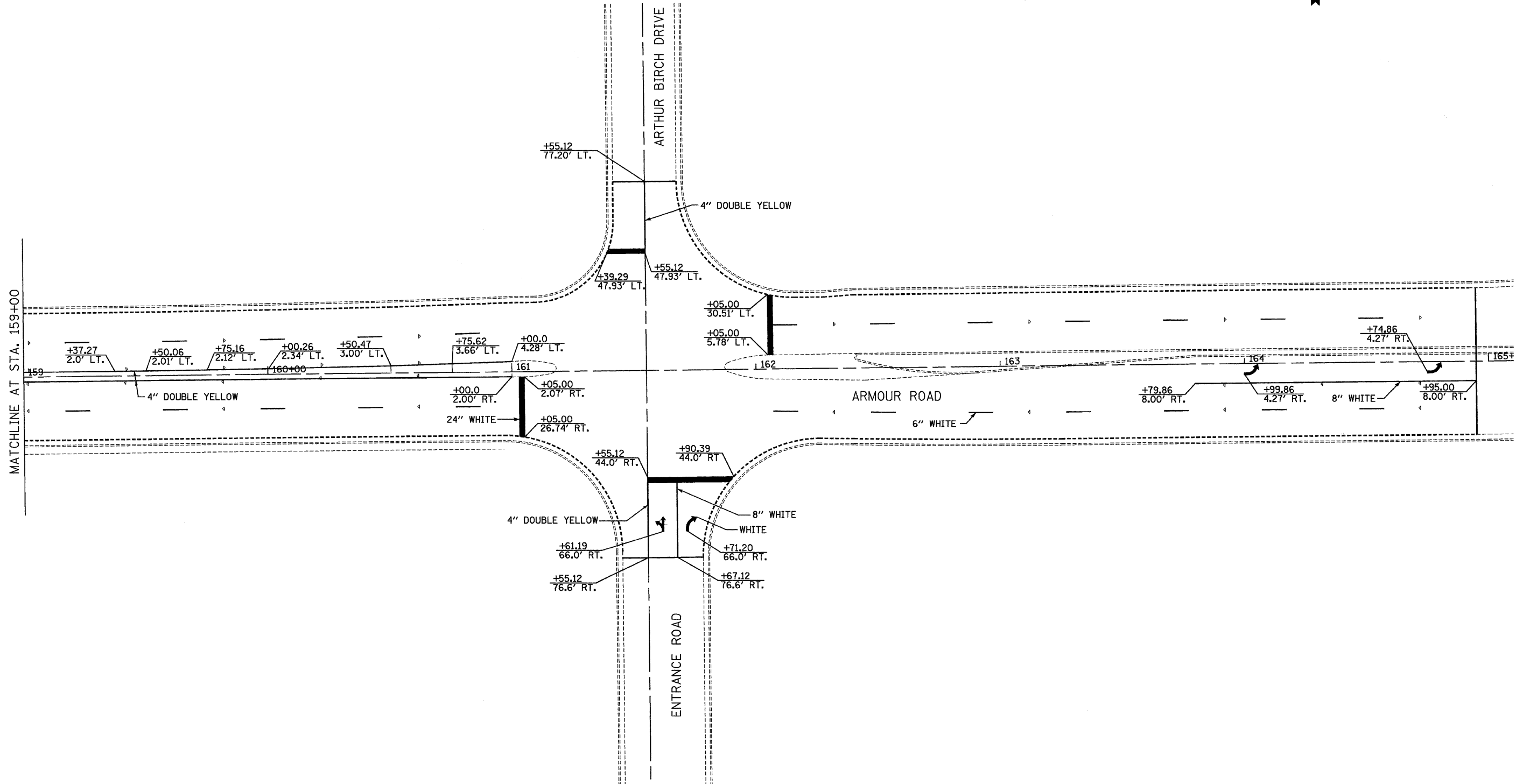
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 USER NAME = APR



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	52

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

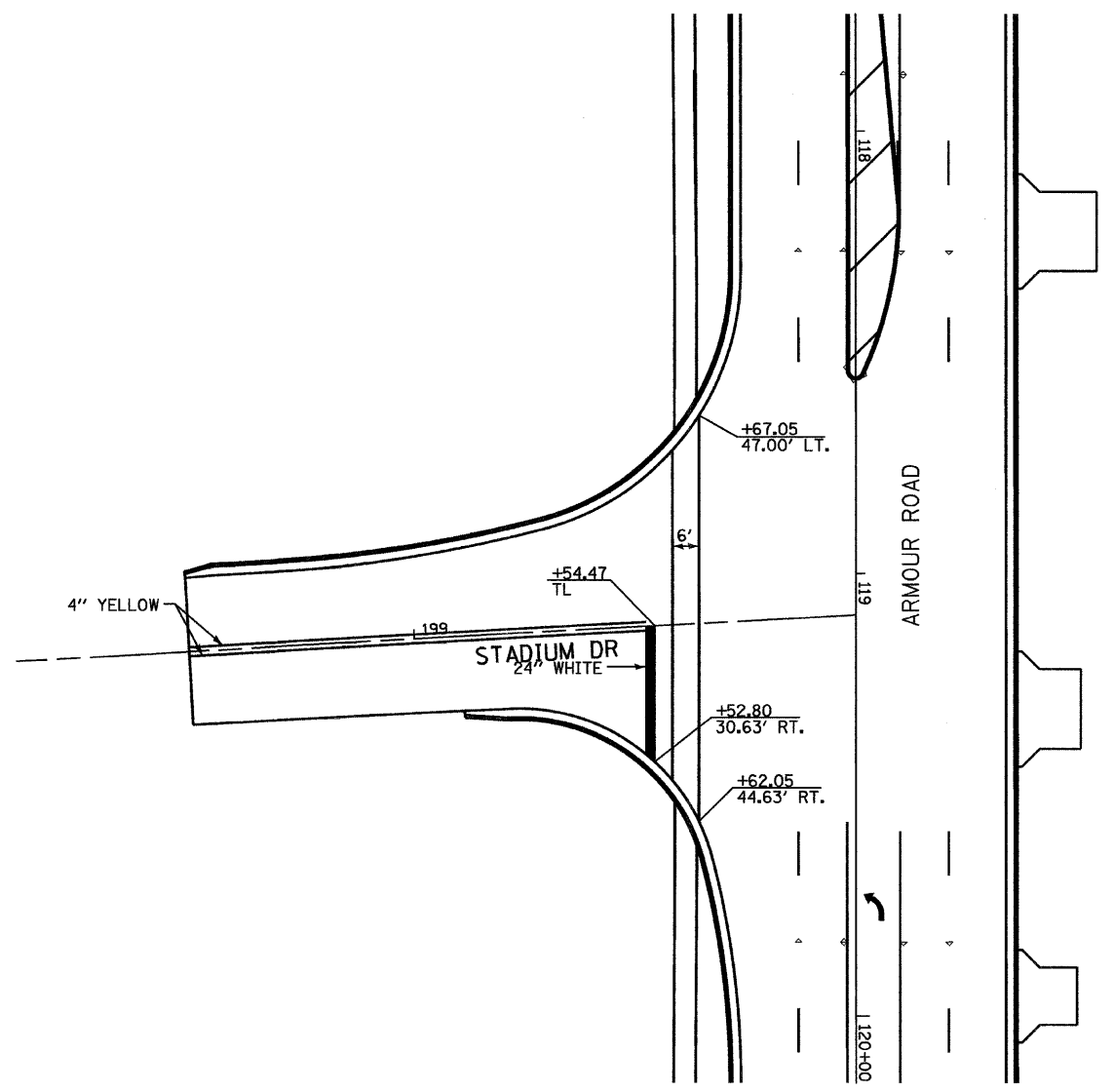
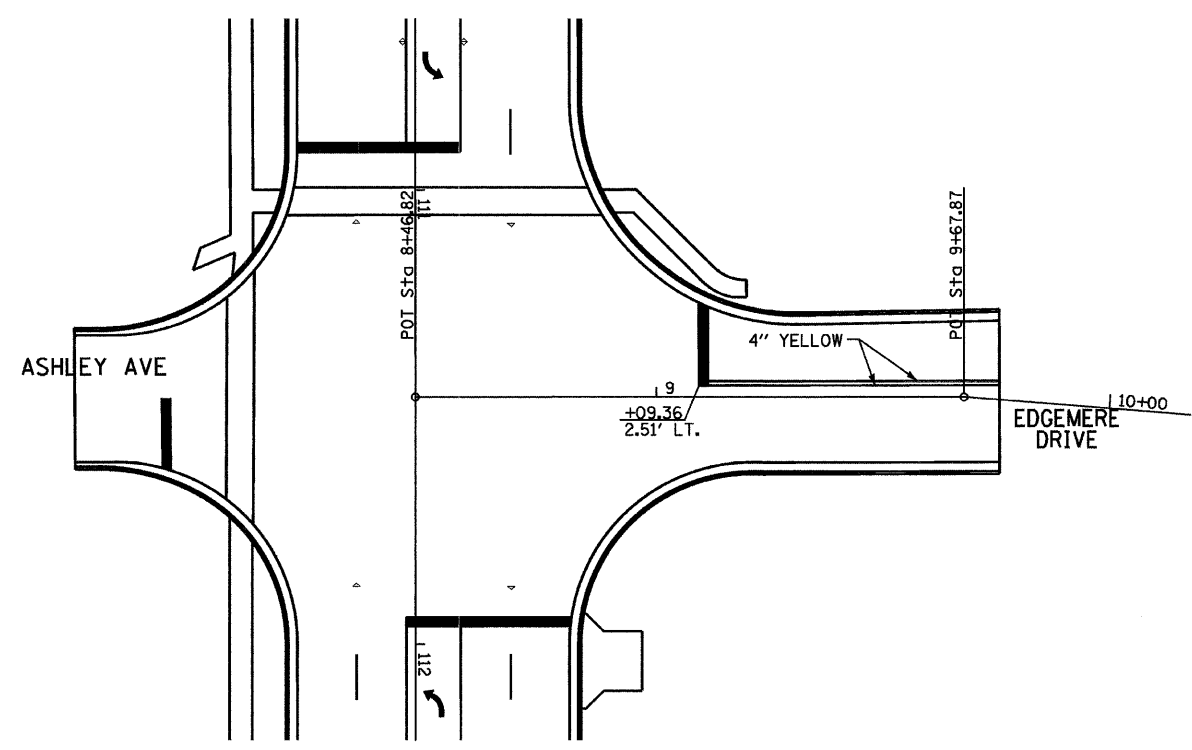
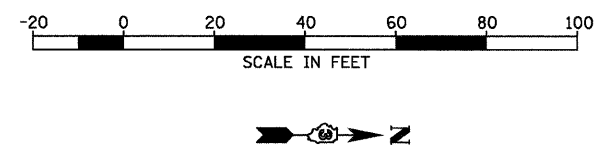
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- ** SECTION (79)W&RS & 14ORS



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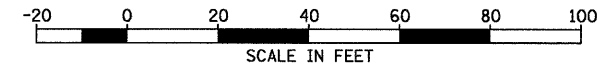
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	53

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 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 * FAJ ROUTE 6176 (ARMOUR ROAD)
 ** SECTION (79)W&RS & 140RS

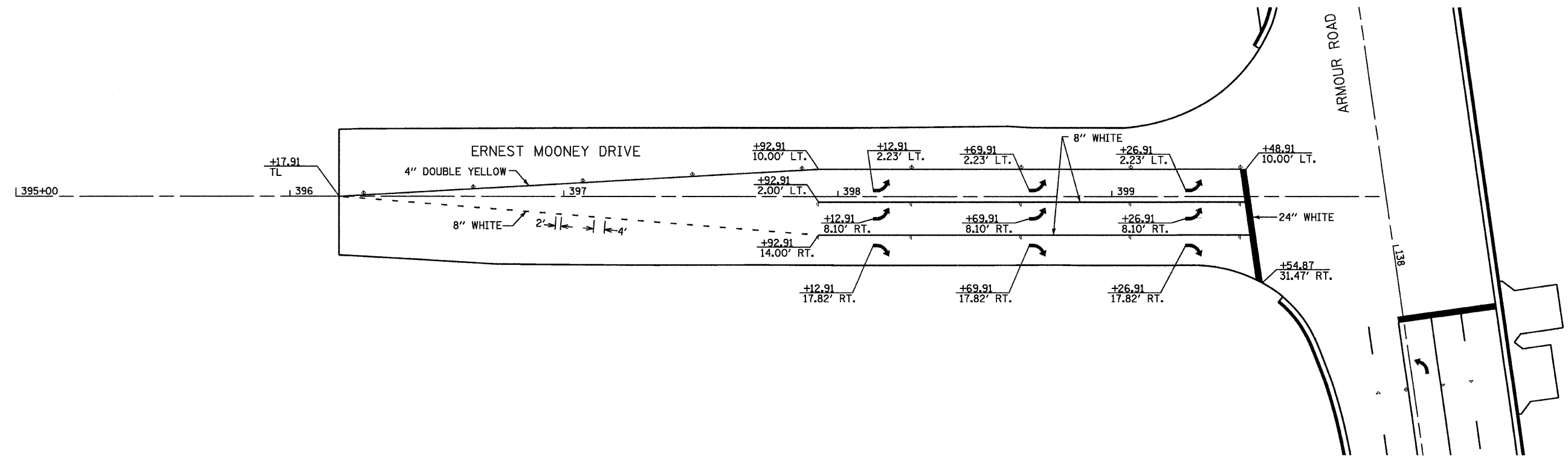
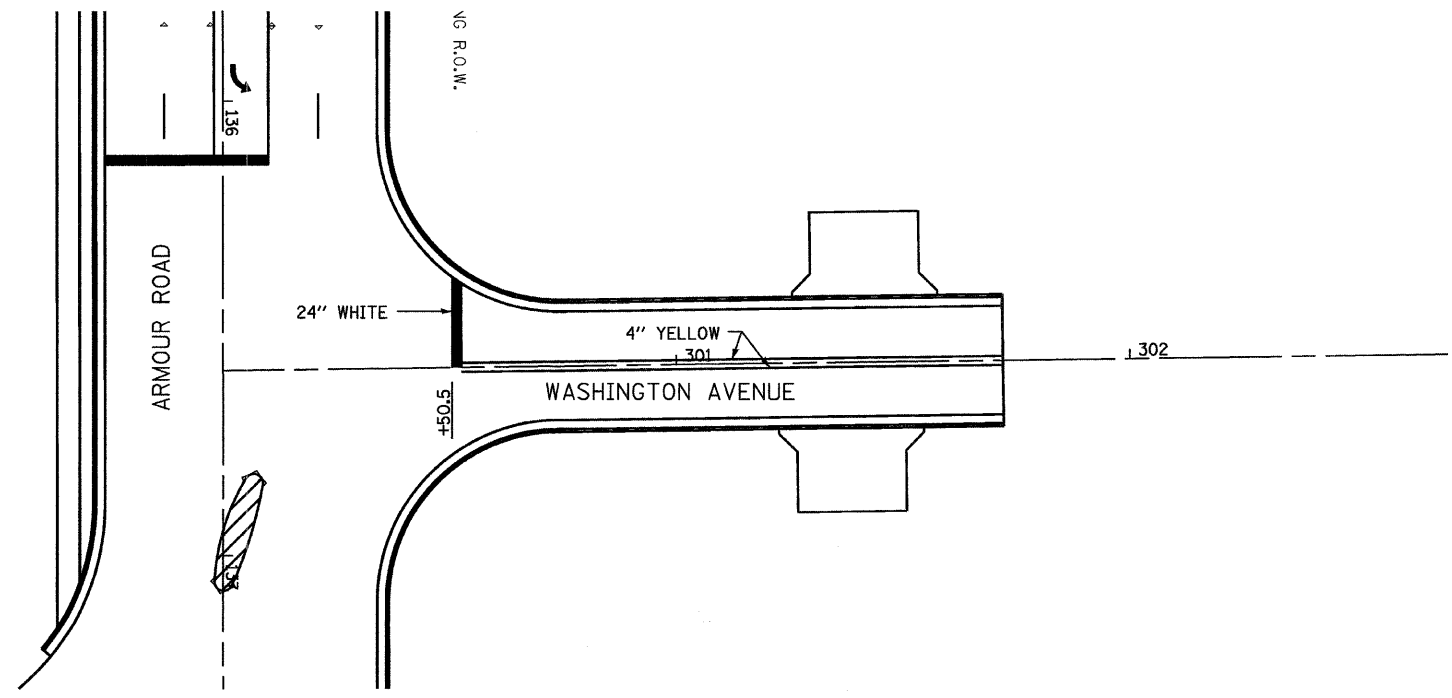


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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	54
STA. 300+00 TO STA. 302+00		TO STA. 400+00		
STA. 396+00 TO STA. 400+00		TO STA. 400+00		
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		



- FAU ROUTE 6176 (ARMOUR ROAD)
- SECTION (79)W&RS & 14ORS

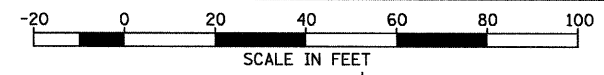


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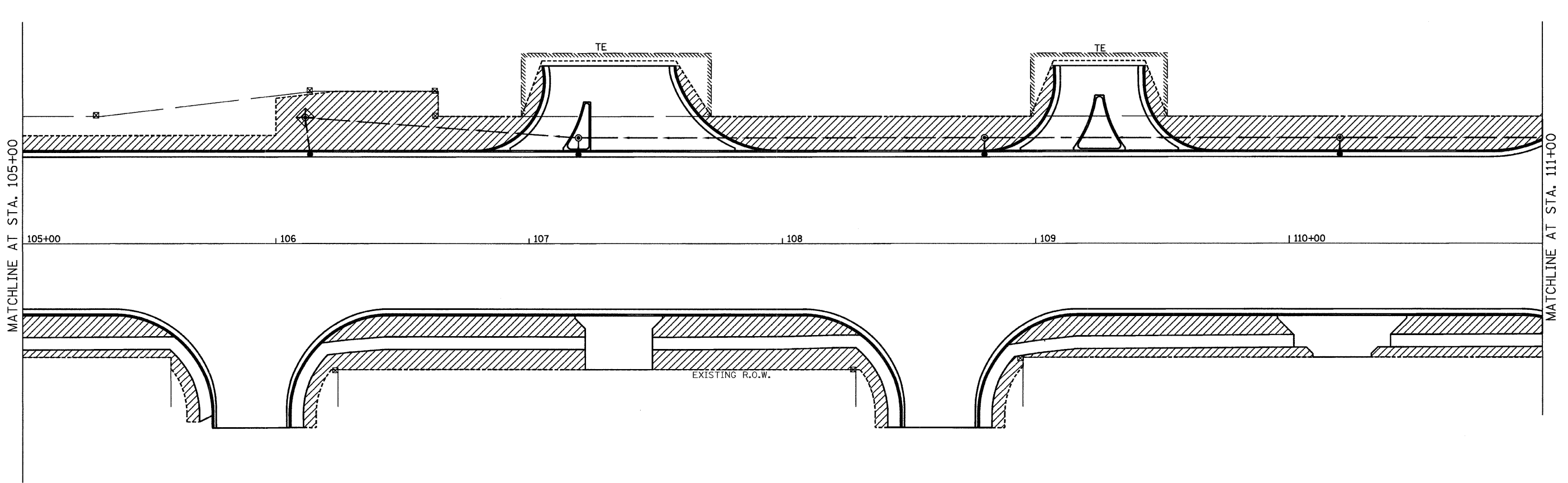
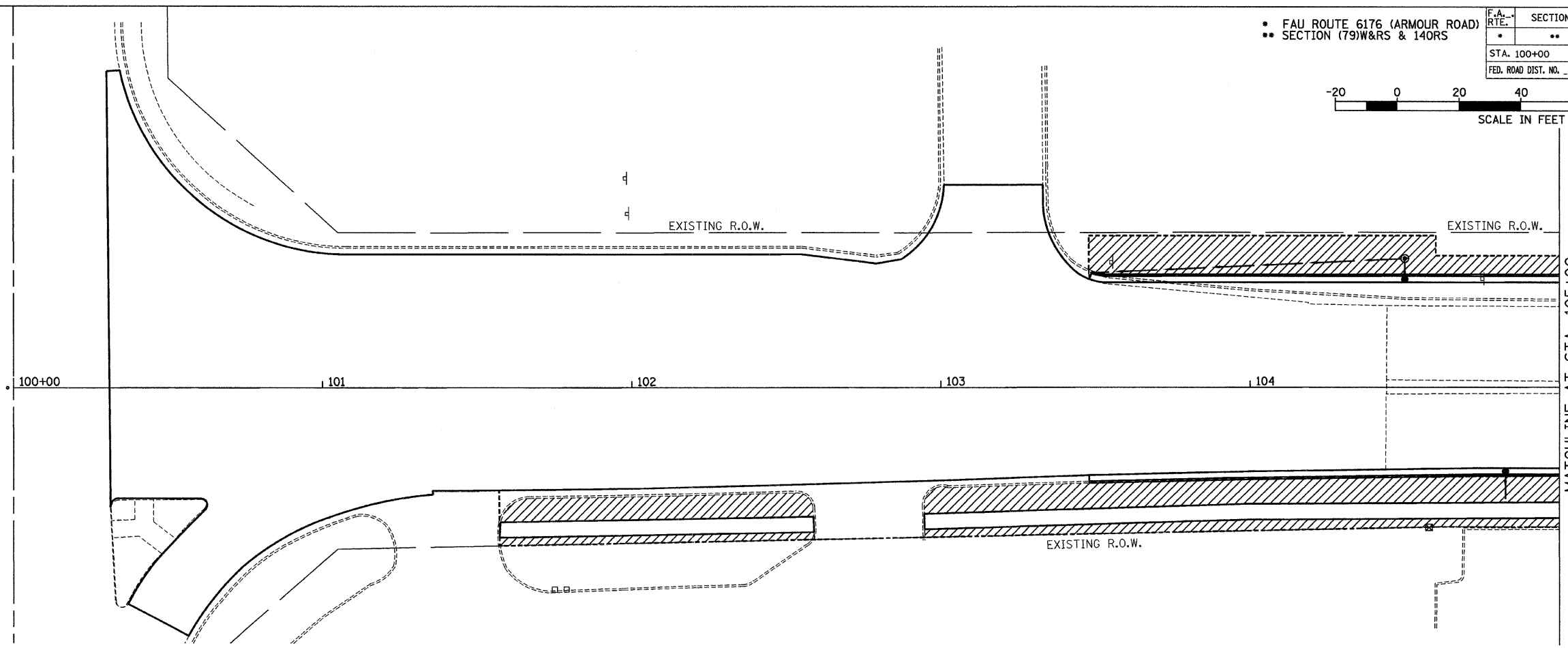
- FAU ROUTE 6176 (ARMOUR ROAD)
- SECTION (79)W&RS & 14ORS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	55

STA. 100+00 TO STA. 111+00
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



- SODDING
- INLET AND PIPE PROTECTION

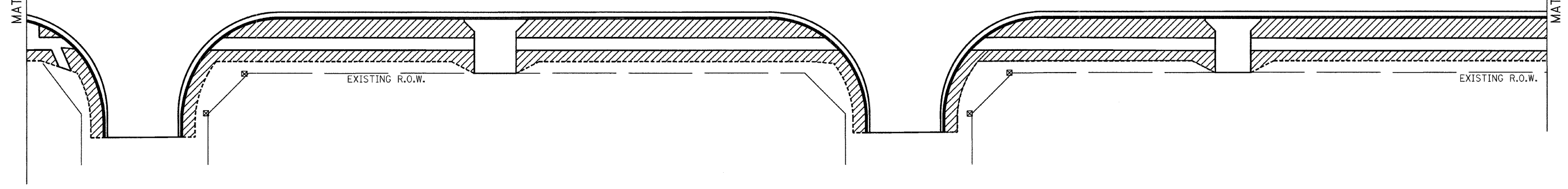
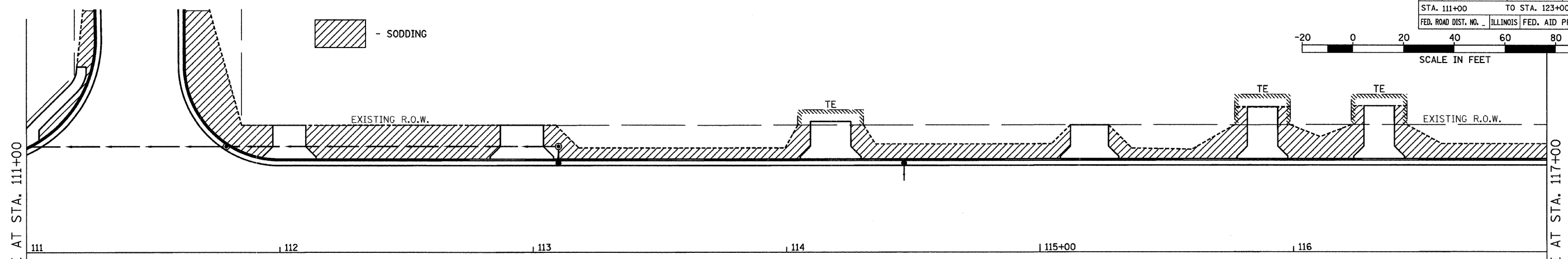
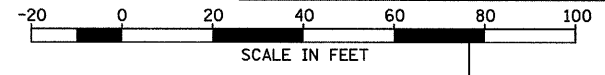


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- FAU ROUTE 6176 (ARMOUR ROAD)
- SECTION (79)W&RS & 140RS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	56

STA. 111+00 TO STA. 123+00
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

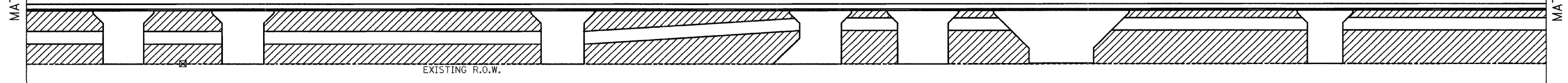
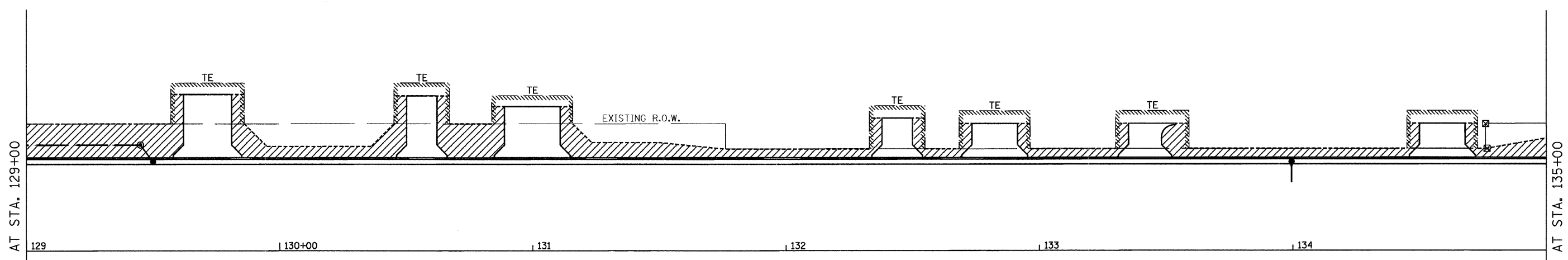
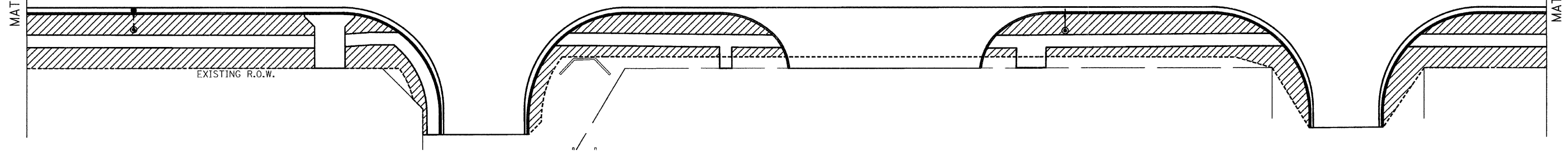
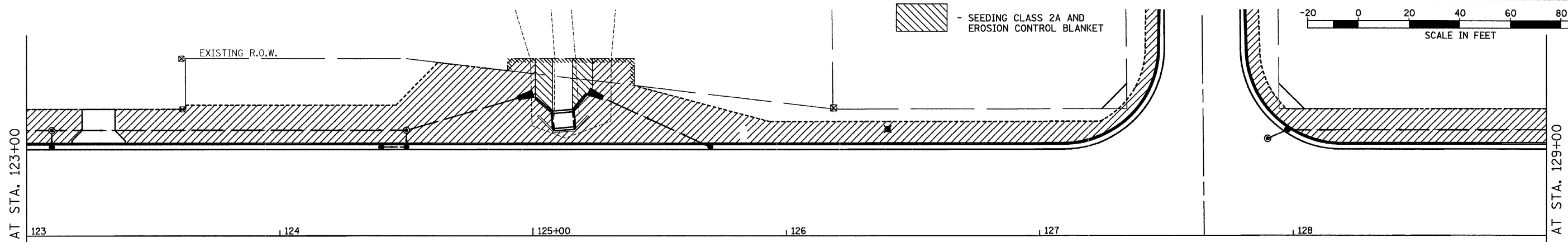
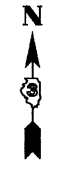
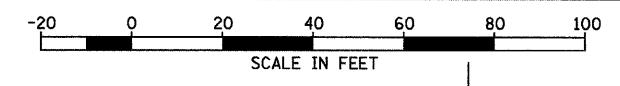
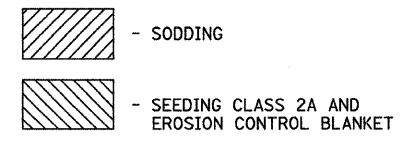


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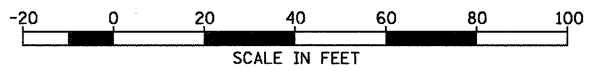
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	57

STA. 123+00 TO STA. 135+00
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

- FAU ROUTE 6176 (ARMOUR ROAD)
- SECTION (79)W&RS & 140RS



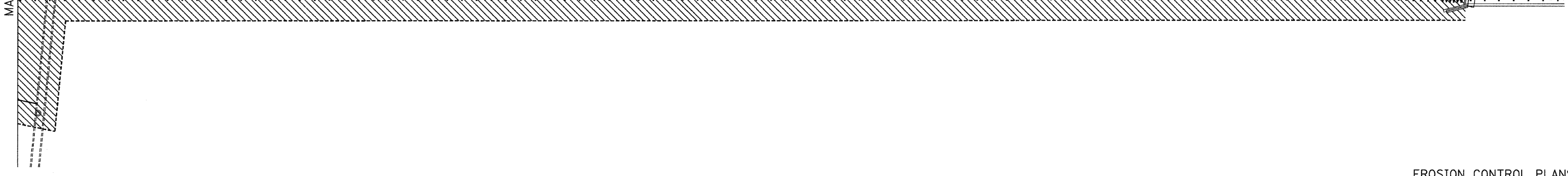
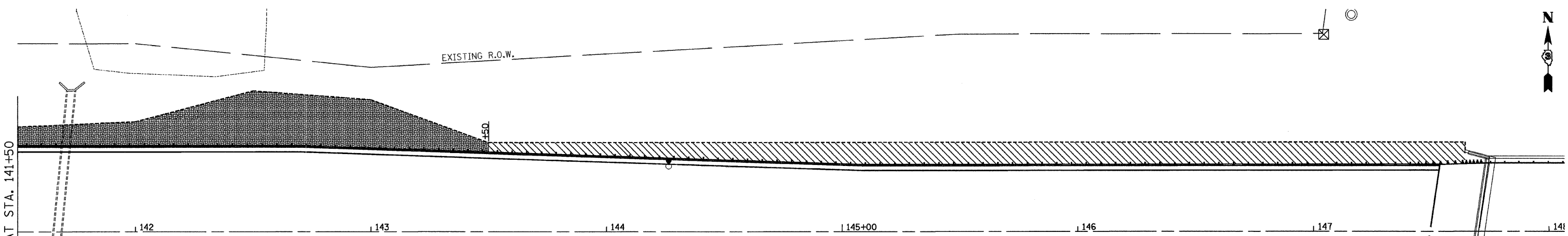
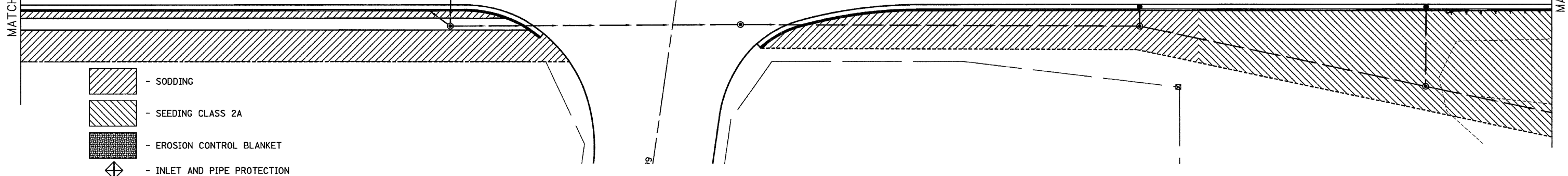
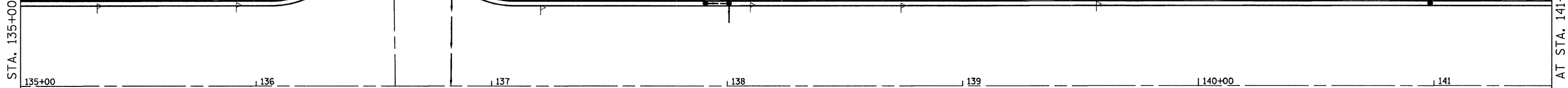
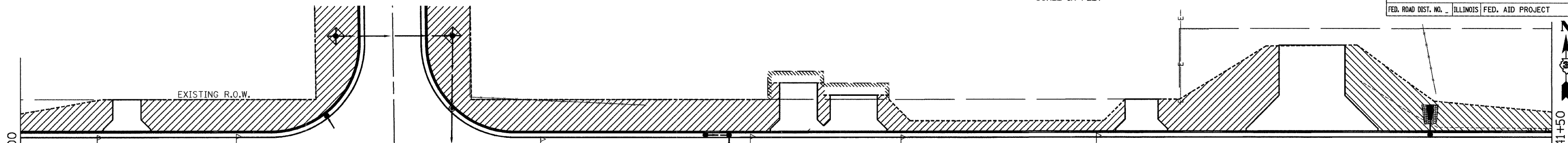
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 USER NAME = APR



* FAU ROUTE 6176 (ARMOUR ROAD)
** SECTION (79)W&RS & 140RS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	58

STA. 135+00 TO STA. 148+00
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



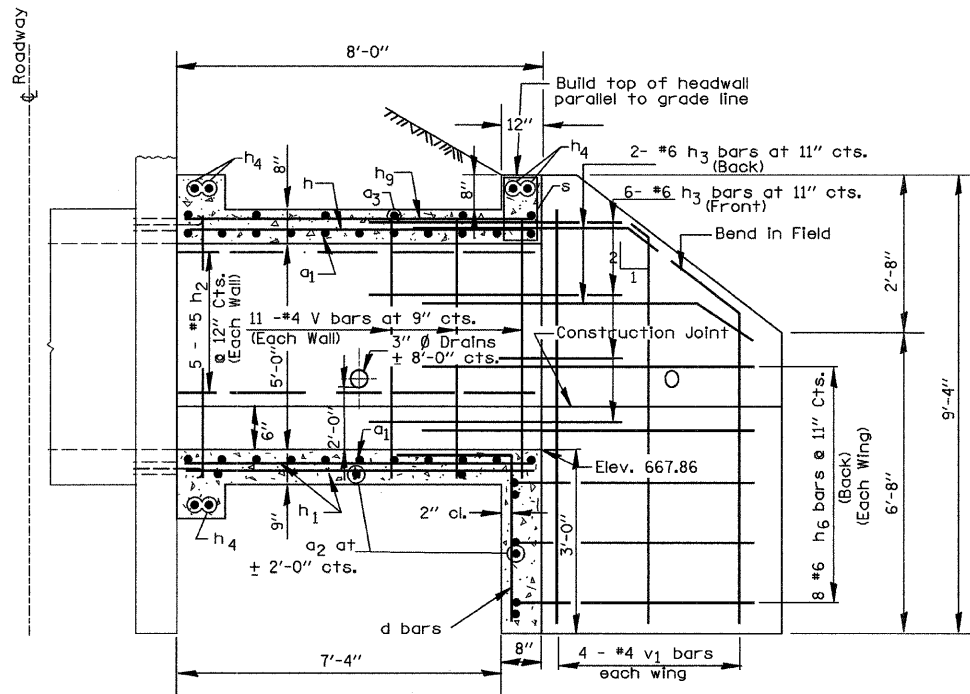
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

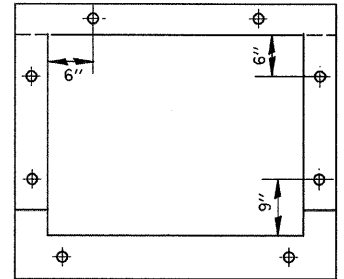
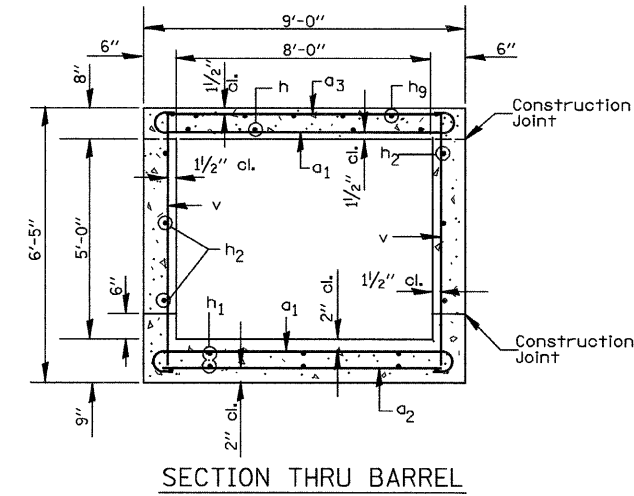
CONTRACT NO. 66560

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	59

STA. TO STA.
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
* FAU ROUTE 6176 (ARMOUR ROAD)
** SECTION (79)W&RS & 140RS

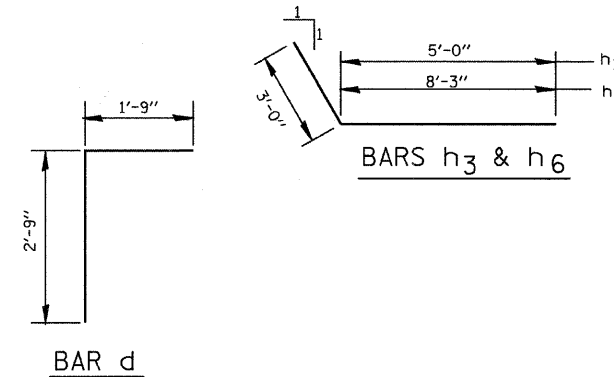
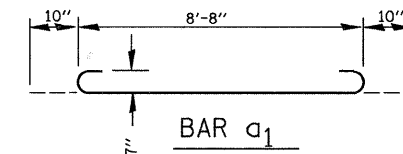


ELEVATION



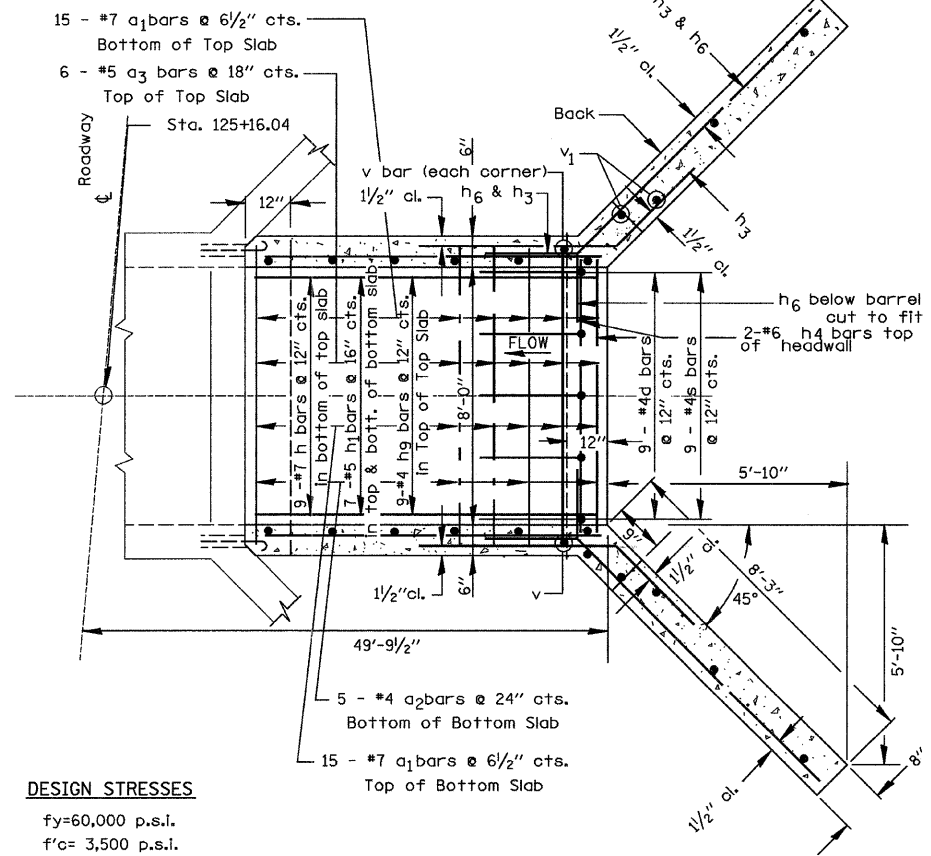
EXPANSION BOLT LOCATION

Note: Expansion bolts shall consist of self drilling expansion shield and 3/4" diameter hooked bolts. Hooked bolts shall extend a minimum of 9" into new concrete. Minimum Certified Proof Load = 4,080 lbs



BILL OF MATERIALS

Bar	Number	Size	Length
a ₁	30	#7	10'-4"
a ₂	8	#4	8'-3"
a ₃	6	#5	8'-3"
d	9	#4	4'-6"
h	9	#7	7'-9"
h ₁	14	#5	7'-9"
h ₂	10	#5	7'-9"
h ₃	16	#6	8'-0"
h ₄	6	#6	8'-9"
h ₆	16	#6	11'-3"
h ₉	9	#4	7'-9"
s	9	#4	4'-3"
v	24	#4	6'-1"
v ₁	8	#4	9'-0"
Concrete Box Culverts	Cu. Yds.		9.7
Reinforcement Bars	Lbs.		1850
Expansion Bolts	Each		20

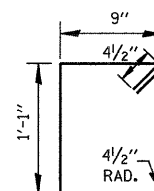


PLAN

DESIGN STRESSES

f_y = 60,000 p.s.i.
f'c = 3,500 p.s.i.

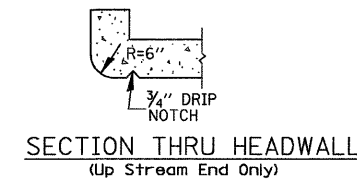
LOADING HS 20-44 & ALT.



BAR s

GENERAL NOTES

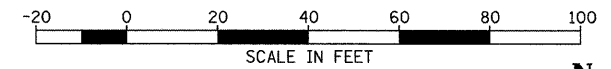
Class SI Concrete shall be used throughout.
At least six feet of Barrel shall be poured monolithically with wingwalls.
Exposed edges shall be beveled 3/4".
For backfilling and embankments see Standard Specifications.
Tilt hook of a bars, if necessary, to obtain 1/2" minimum clearance at top of hook.
Reinforcement Bars shall conform to the requirements of AASHTO M-31, or M-322, Grade 60.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BOX CULVERT EXTENSION PLAN
FAU ROUTE 6176 (ARMOUR ROAD)
SECTION (79)W&RS & 140RS
STA. 125+16.04
KANKAKEE COUNTY

SCALE: VERT. 1"=10'
HORIZ. 1"=10'
DATE 11/05
DRAWN BY ARR
CHECKED BY JKC

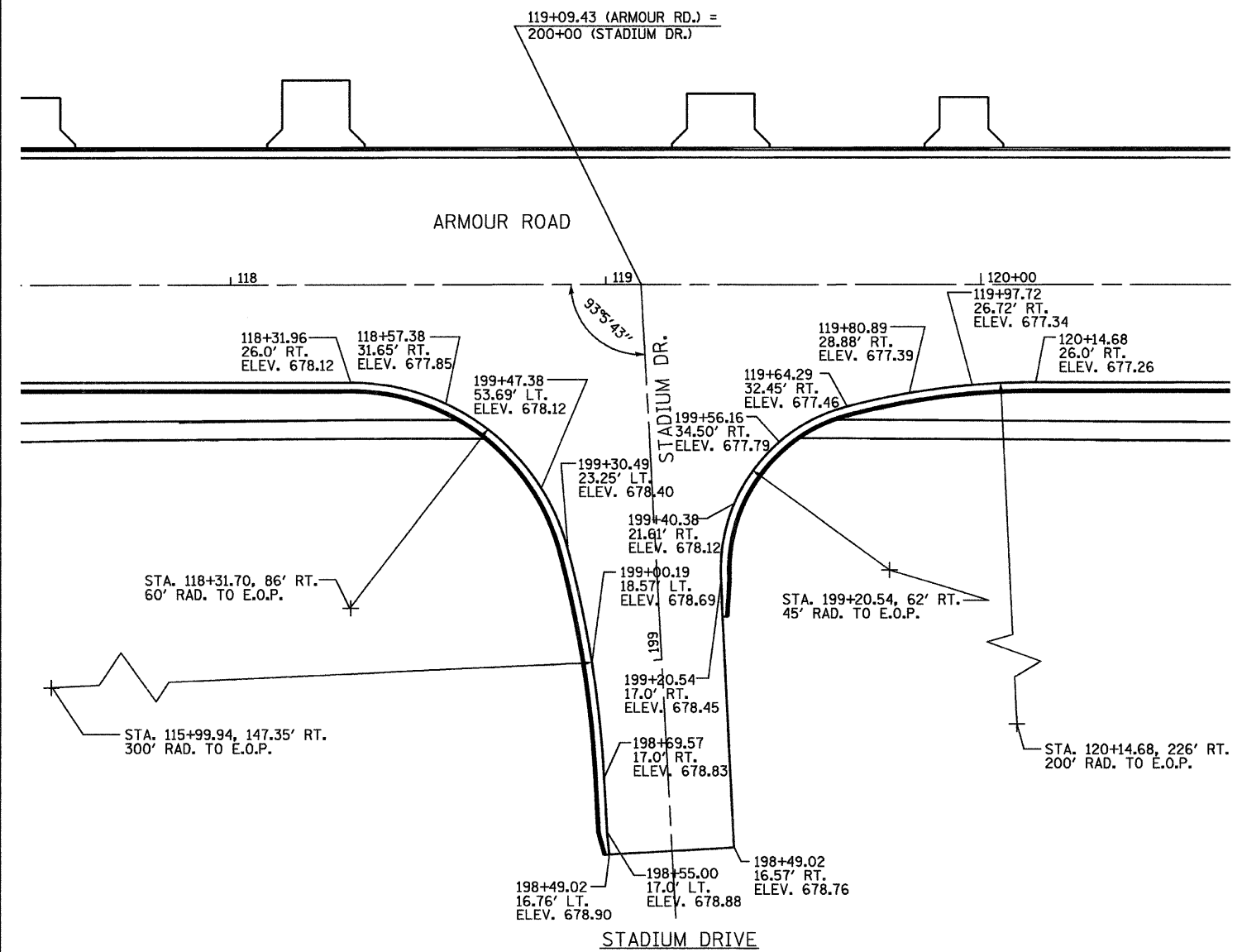
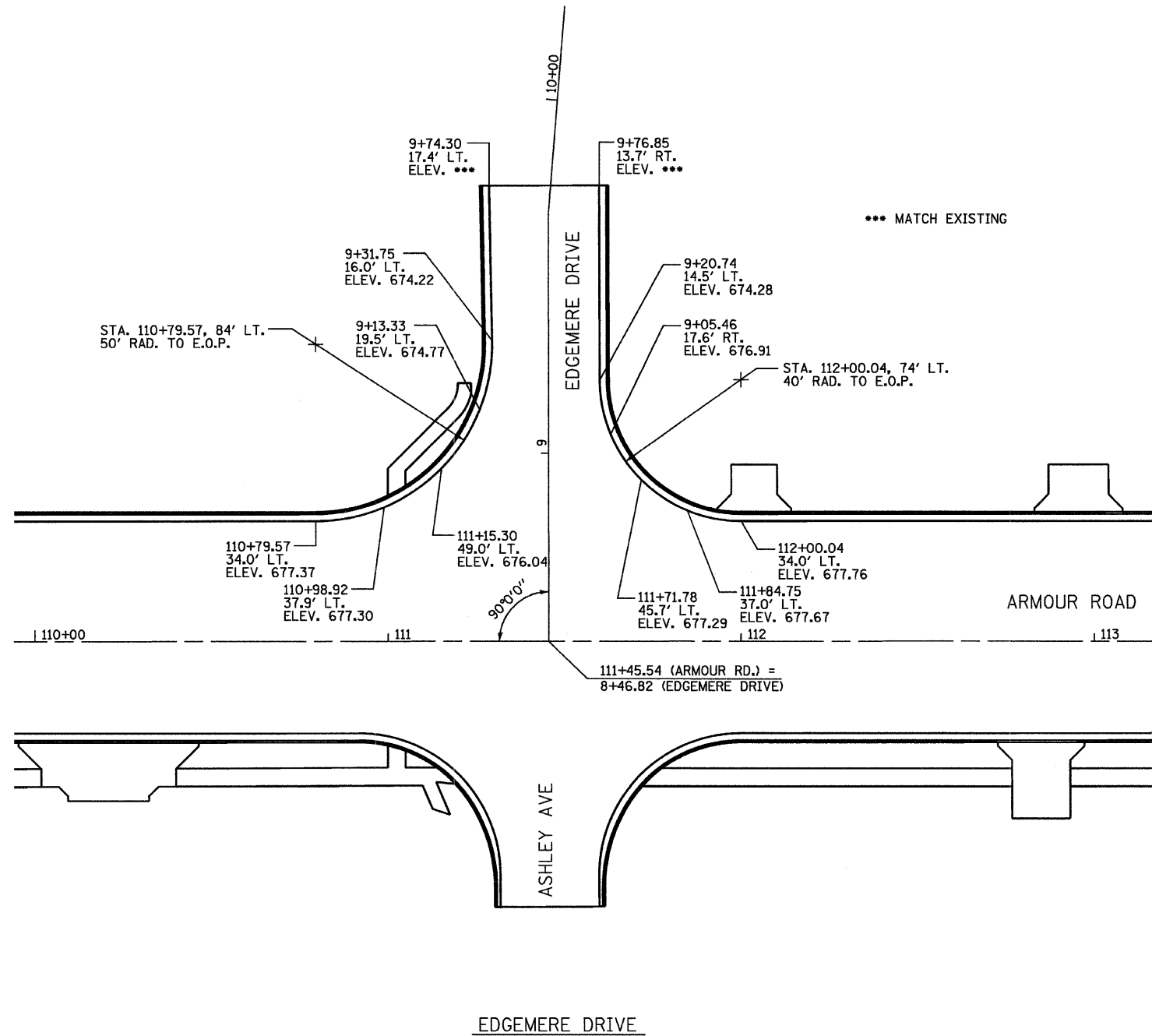


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	60

STA. TO STA. TO STA.

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

- FAU ROUTE 6176 (ARMOUR ROAD)
- SECTION (79)W&RS & 14ORS



PLOT DATE = 12/06
 FILE NAME = ZM438R105STAD.DGN
 PLOT SCALE = 1/8" = 20'
 USER NAME = PAR

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

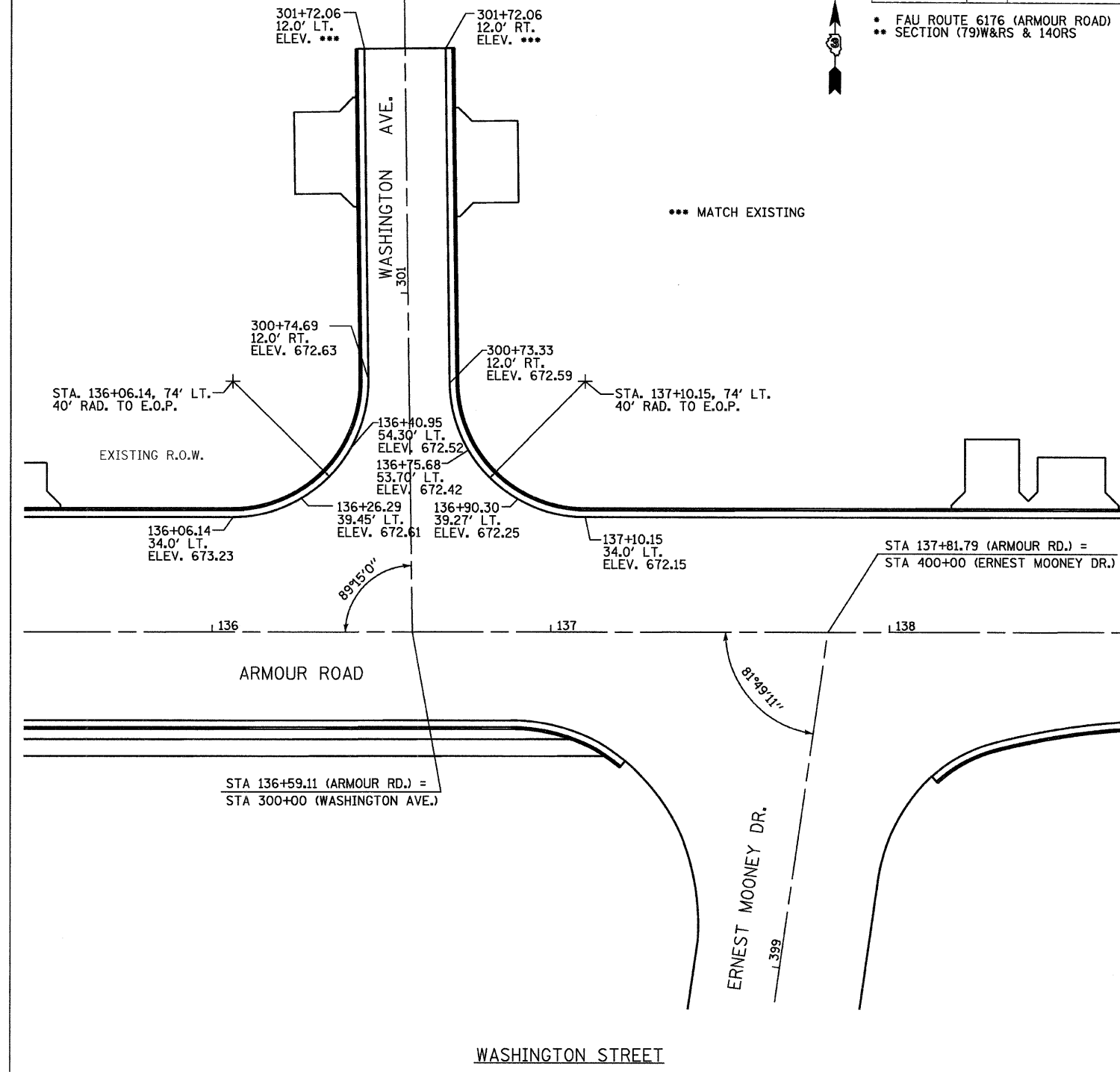
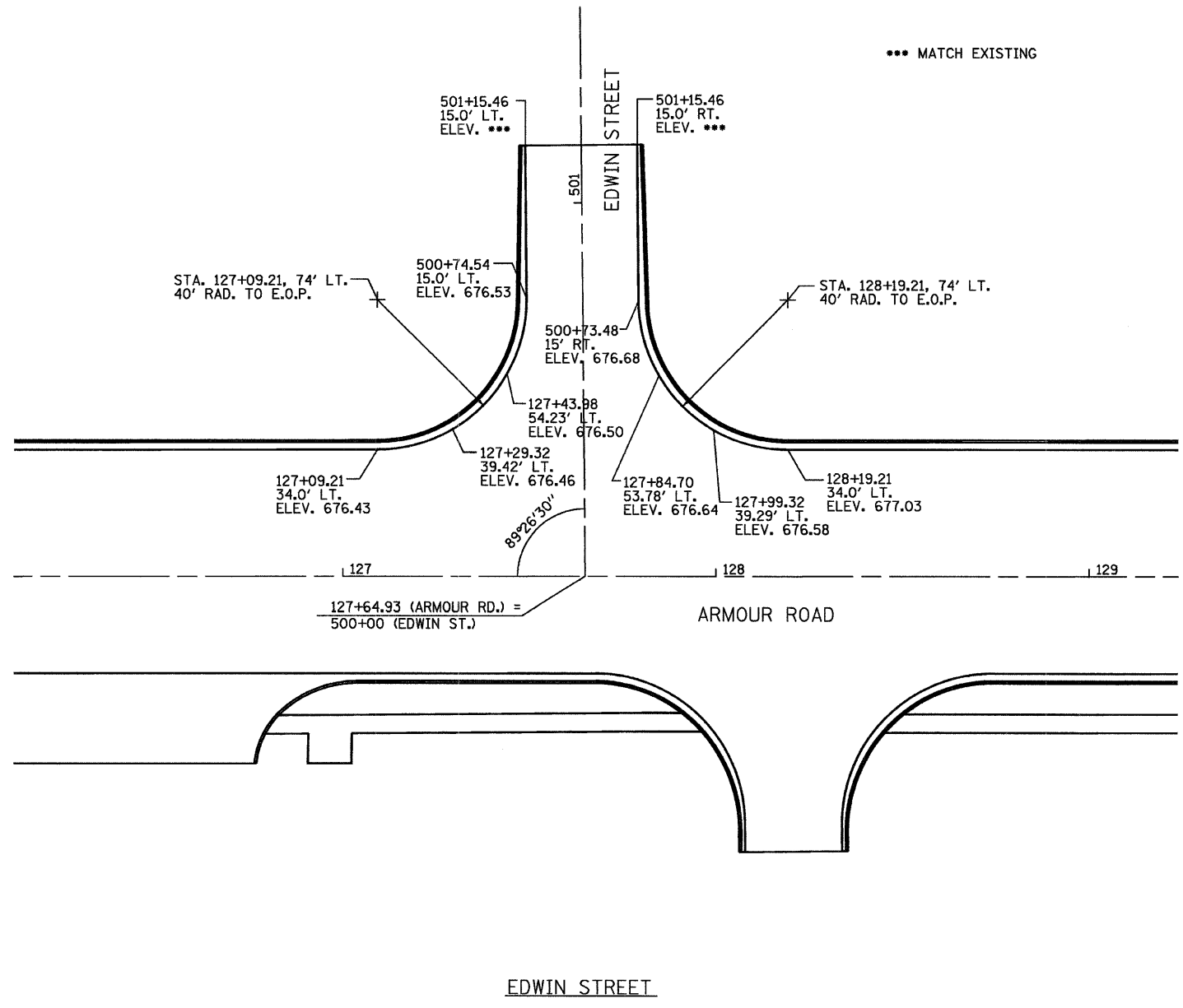
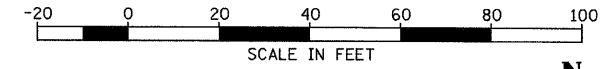
INTERSECTION DETAILS
 FAU ROUTE 6176 (ARMOUR ROAD)
 SECTION (79)W&RS & 14ORS
 KANKAKEE COUNTY

SCALE: VERT. DATE
 HORIZ. CHECKED BY: JKC

DRAWN BY: KKP

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	61
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

- FAU ROUTE 6176 (ARMOUR ROAD)
- ** SECTION (79)W&RS & 14ORS



PLOT DATE = 12/06
 FILE NAME = 2143360305WASH.DGN
 USER NAME = ARR

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS
 FAU ROUTE 6176 (ARMOUR ROAD)
 SECTION (79)W&RS & 14ORS
 KANKAKEE COUNTY

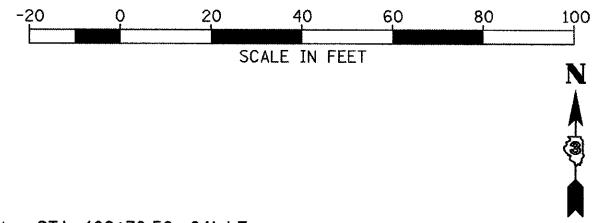
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DATE _____

DRAWN BY: KKP
 CHECKED BY: JKC

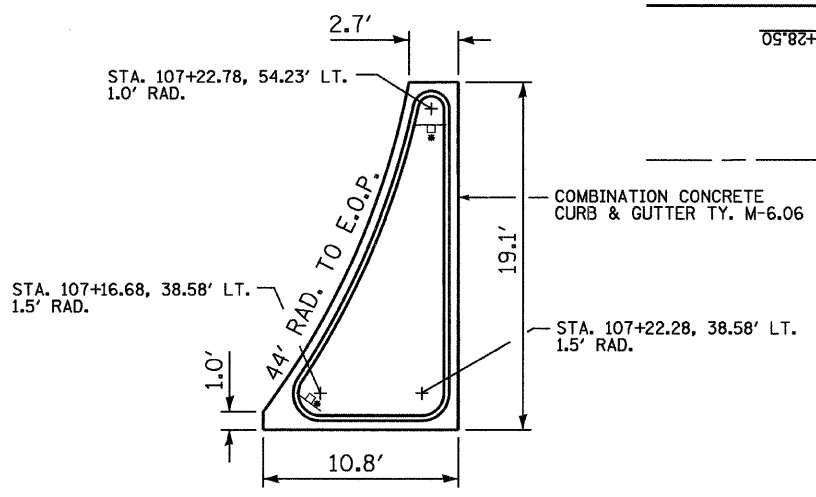
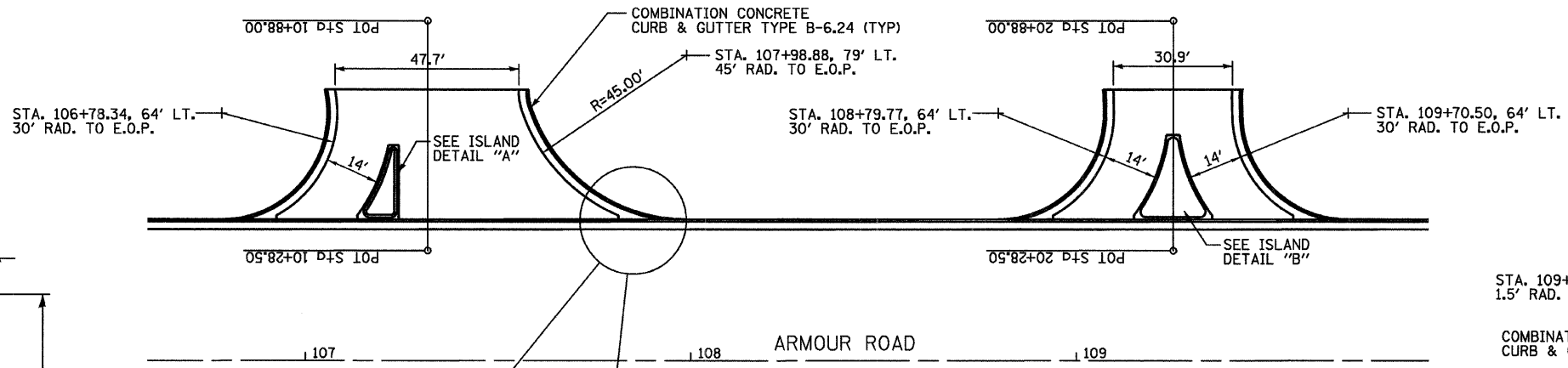
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	62

STA. TO STA.
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 • FAU ROUTE 6176 (ARMOUR ROAD)
 • SECTION (79)W&RS & 140RS

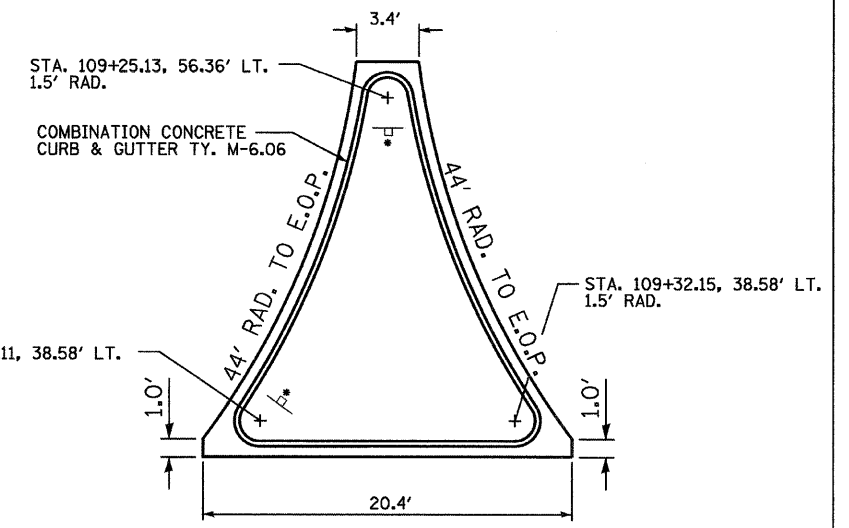
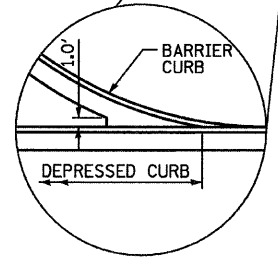


DATE	BY	DESCRIPTION
01/24/03	CHAMLIN	DESIGNED
02/20/03	JRC	CHECKED
02/20/03	JRC	APPROVED

DATE	BY	DESCRIPTION
01/24/03	CHAMLIN	DESIGNED
02/20/03	JRC	CHECKED
02/20/03	JRC	APPROVED



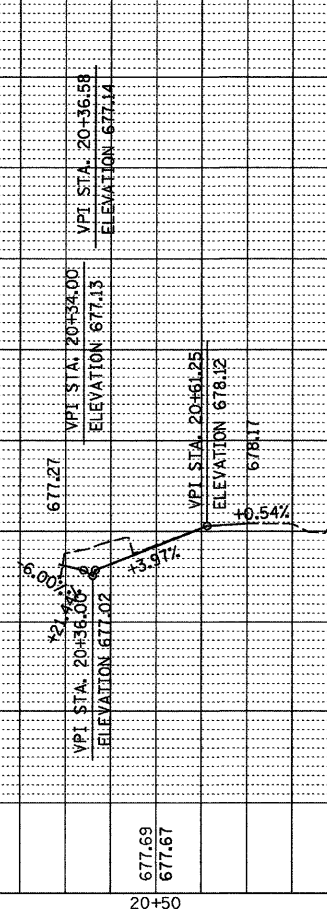
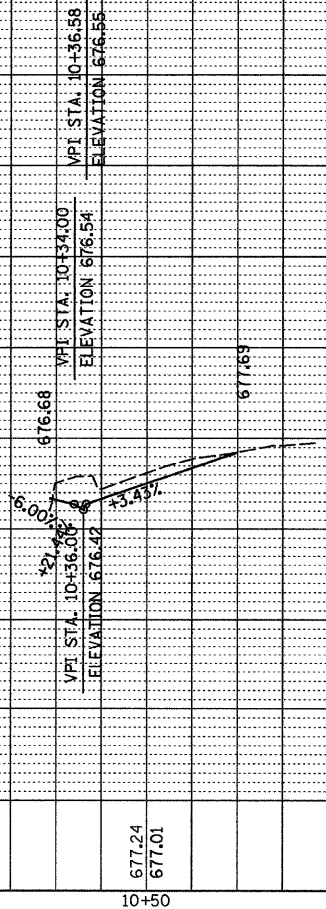
ISLAND DETAIL "A"
 SEE STANDARD 606301 FOR ADDITIONAL DETAILS



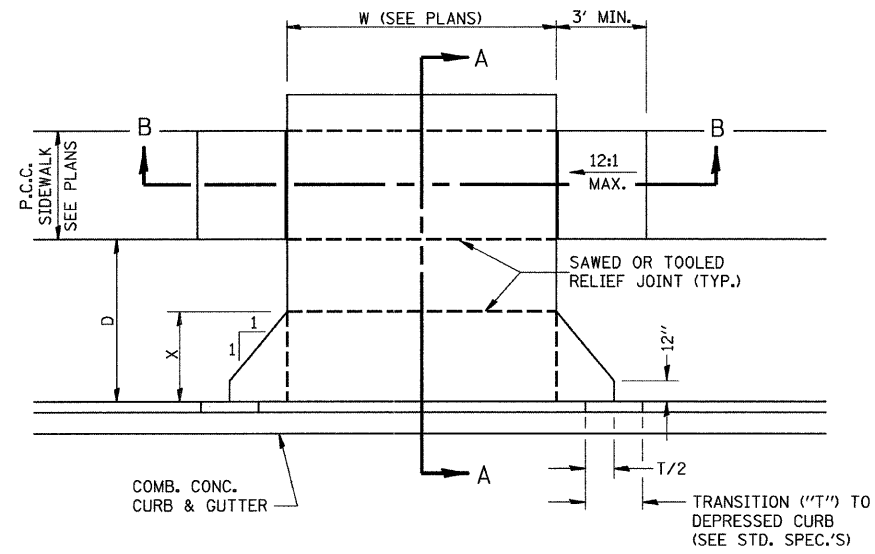
ISLAND DETAIL "B"

• RELOCATE EXISTING SIGNS

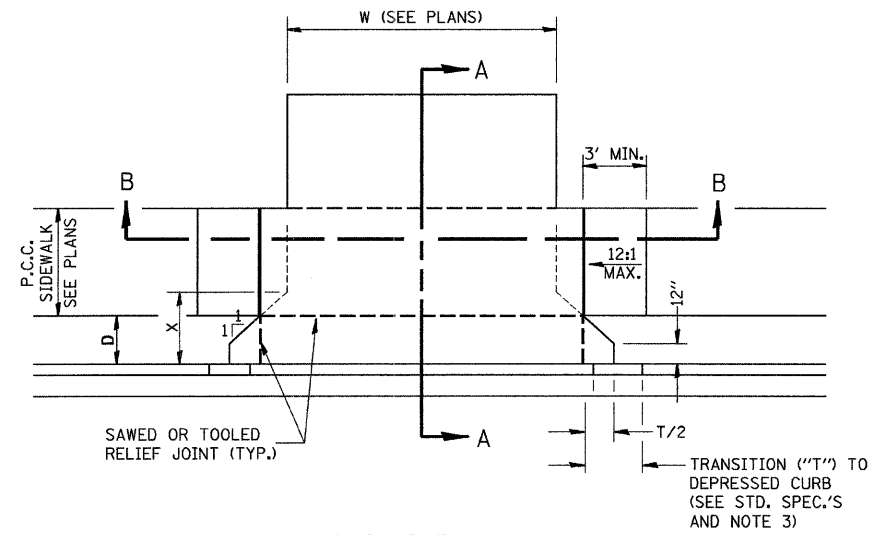
STATION	ELEVATION	STATION	ELEVATION
686		686	688
684		684	686
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680		680	682
678		678	680
676		676	678
674		674	676
672		672	674
670		670	672



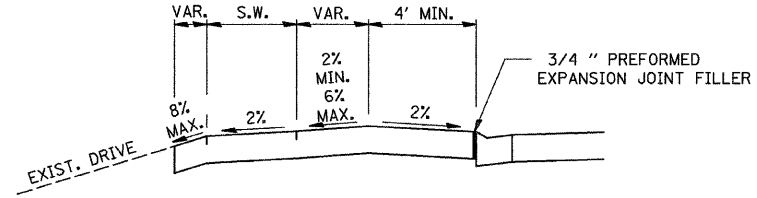
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	63
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* FAU ROUTE 6176 (ARMOUR ROAD)				
** SECTION (79)W&RS & 140 RS				



CASE I (D ≥ X)

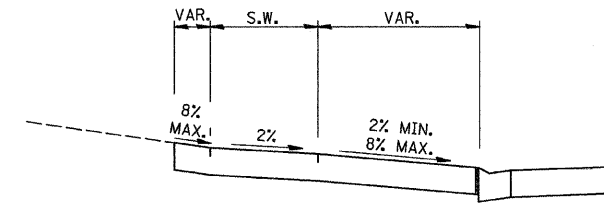


CASE I (D < X)

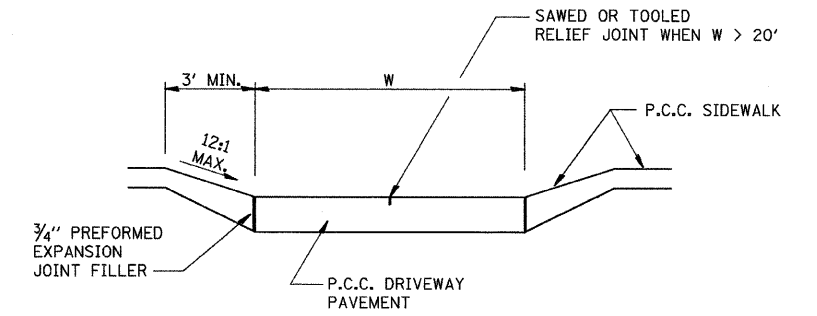


DEPRESSED ENTRANCE*
SECTION A-A

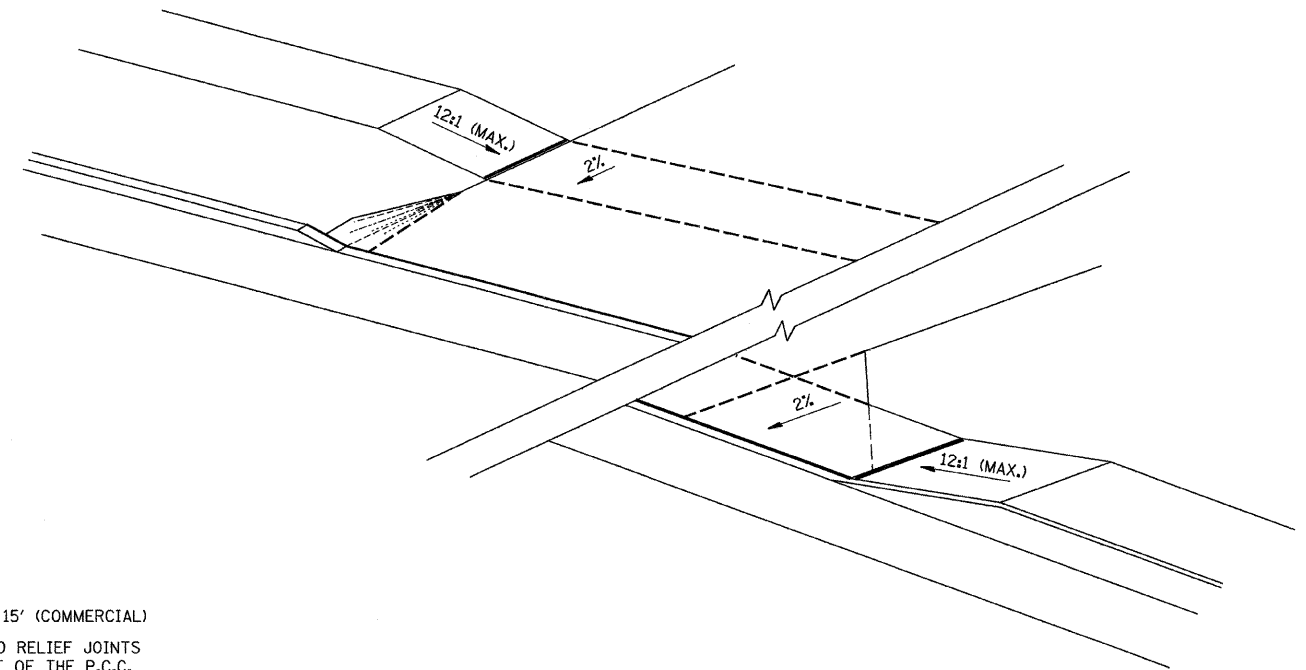
*(SEE X-SECTIONS FOR ENTRANCE PROFILE.)



ELEVATED ENTRANCE*
SECTION A-A



SECTION B-B



GENERAL NOTES:

1. X = 7' (NON-COMMERCIAL) X = 15' (COMMERCIAL)
2. COST OF EXPANSION JOINTS AND RELIEF JOINTS SHALL BE INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT.
3. AS THE DIMENSION "D" APPROACHES ZERO, THE TRANSITION TO DEPRESSED CURB SHALL BE NO STEEPER THAN 12:1

PCC URBAN ENTRANCES

PLT DATE = 12/06
FILE NAME = Z04305SPL2.DGN
DTP NAME = DTP
USER NAME = PAR

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

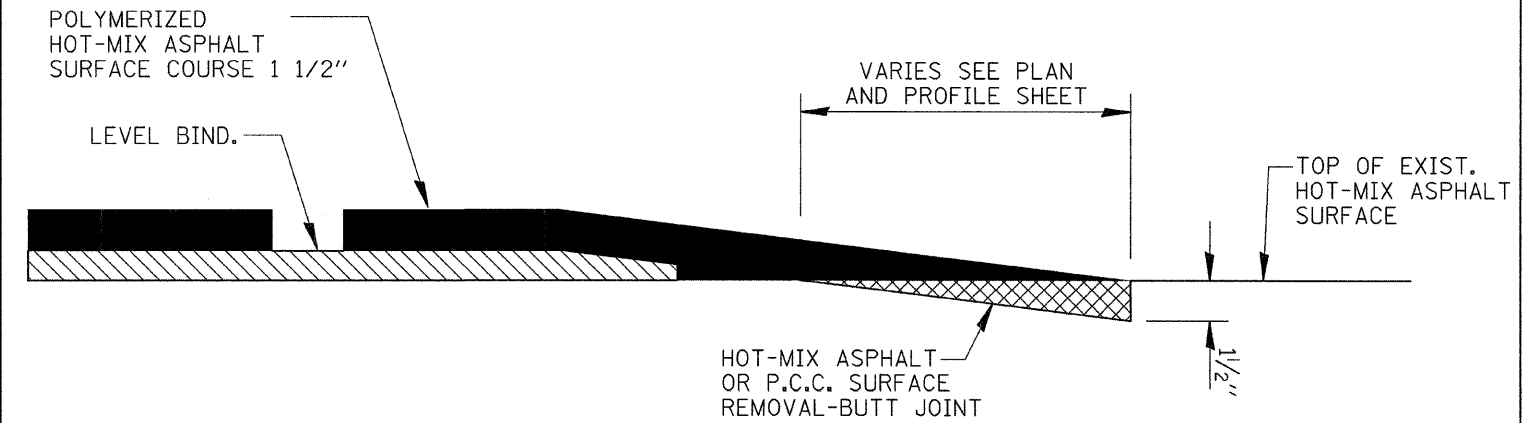
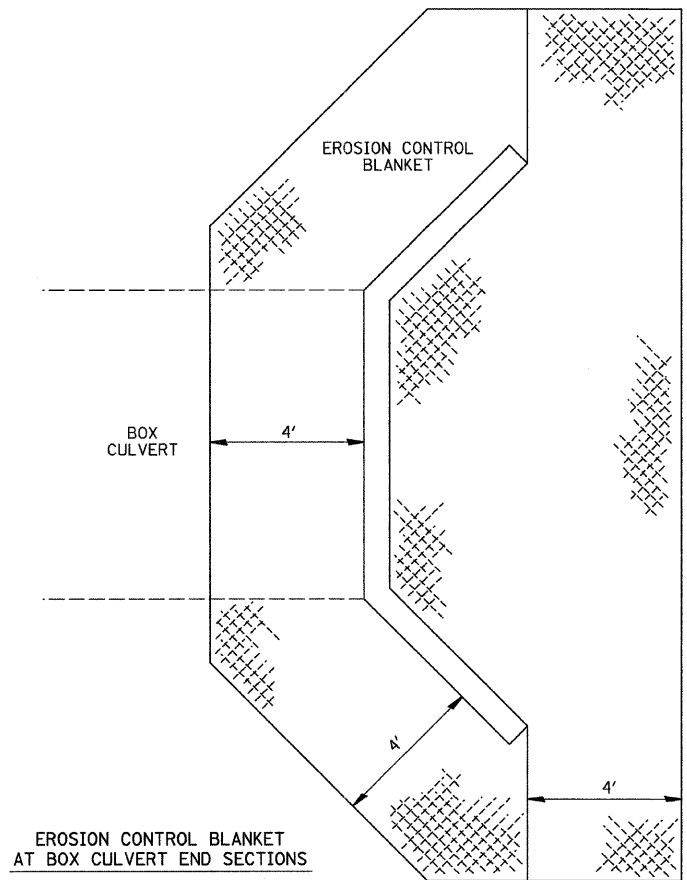
DETAILS
FAU ROUTE 6176 (ARMOUR ROAD)
SECTION (79)W&RS & 140RS
KANKAKEE COUNTY

SCALE: VERT. DATE HORIZ. DRAWN BY
CHECKED BY

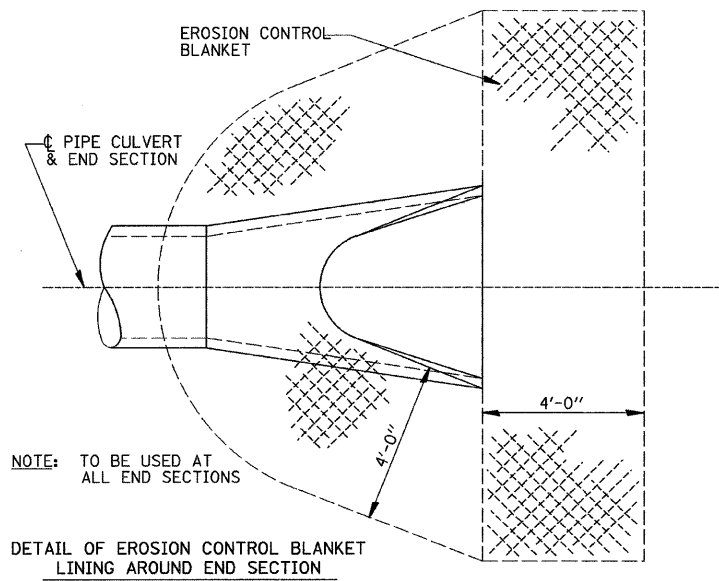
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	64

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

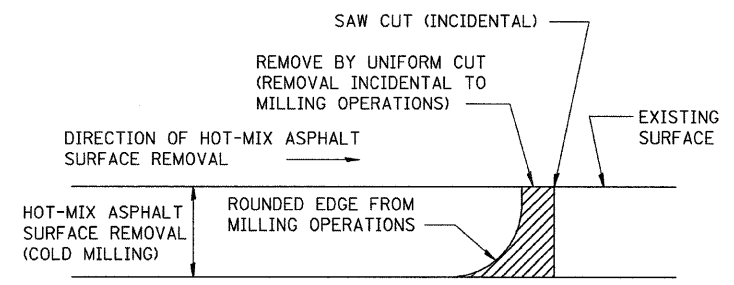
- FAU ROUTE 6176 (ARMOUR ROAD)
- SECTION (79)W&RS & 140RS



SURFACE REMOVAL AT BUTT JOINT DETAIL



NOTE: PRC FLARED END SECTION SHOWN. TREATMENT SAME FOR OTHER END SECTIONS.



NOTE: WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

HOT-MIX ASPHALT DETAIL AT BUTT JOINTS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAILS
 FAU ROUTE 6176 (ARMOUR ROAD)
 SECTION (79)W&RS & 140RS
 KANKAKEE COUNTY

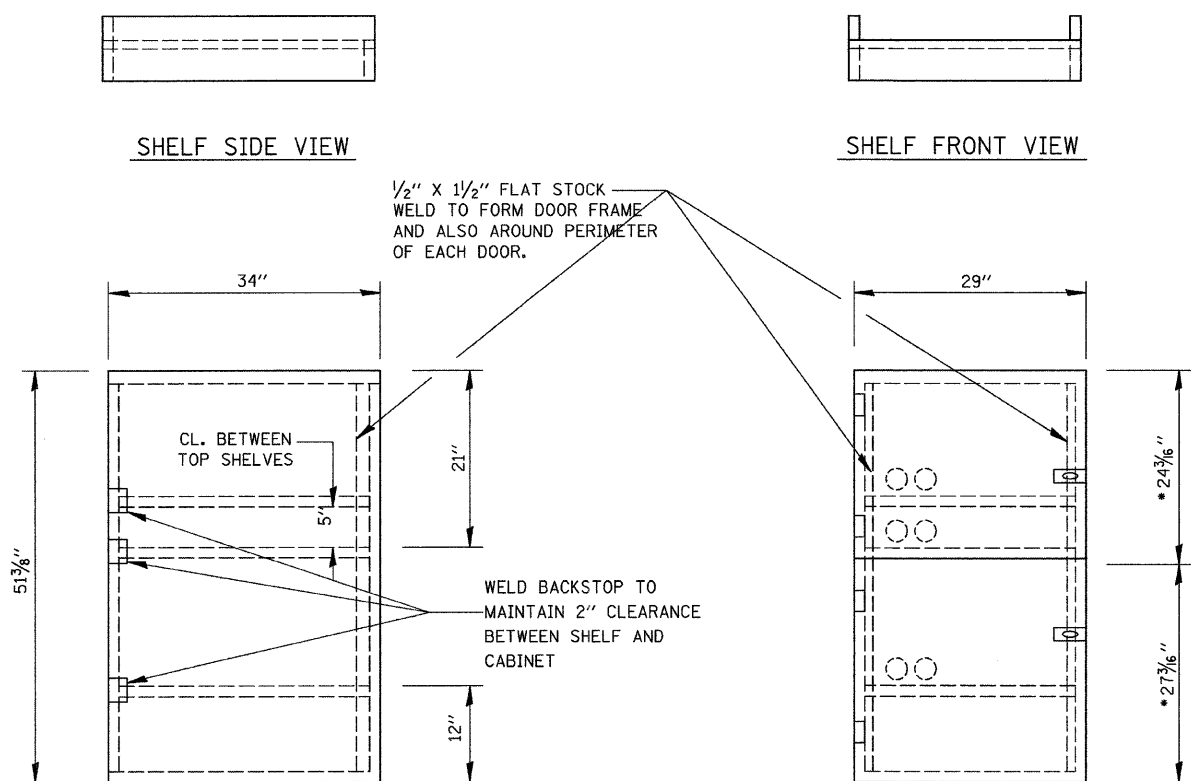
SCALE: VERT. _____
 HORIZ. _____
 DATE 11/05

DRAWN BY ARR
 CHECKED BY DLA

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	65

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

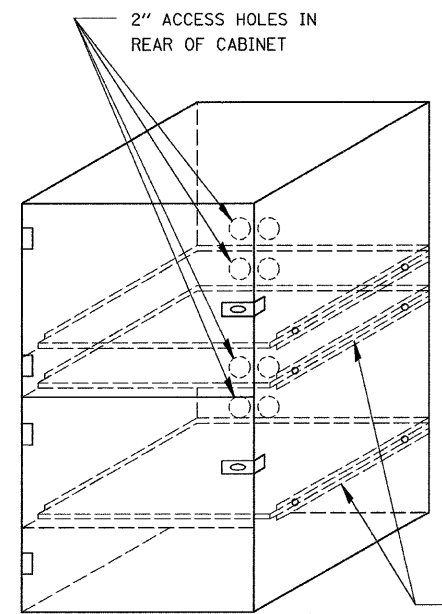
* FAU ROUTE 6176 (ARMOUR ROAD)
 ** SECTION (79)W&RS & 140RS



* ALLOWS FOR 1/8" CLEARANCE AT TOP AND BOTTOM OF CABINET AND BETWEEN DOORS.

NOTES:

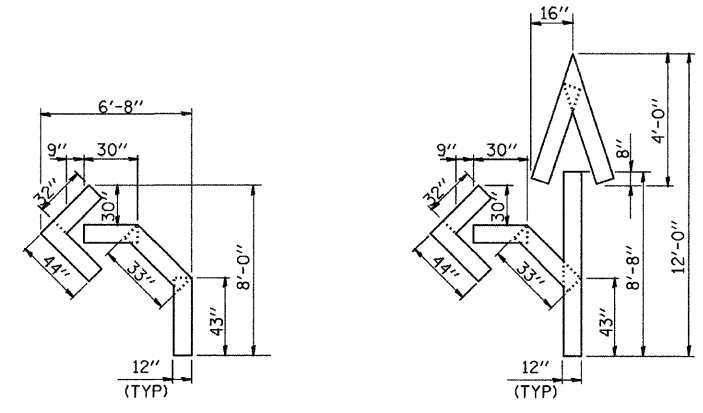
1. USE 16 GAUGE STEEL FOR CABINET.
2. THE TOP SHELF SHALL SLIDE IN OR OUT WITH THE TOP DOOR OPEN.
3. ALL HINGES AND HASPS WILL BE WELDED TO THE CABINET.
4. ALL EDGES SHALL BE GROUND SMOOTH.
5. TWO (2" DIA.) ACCESS HOLES WILL BE REQUIRED FOR EACH SHELF.
6. CABINET SHALL BE PAINTED WITH TWO COATS OF FLAT PAINT.
7. 2 EACH MATCHING KEY PADLOCKS, WITH 3 KEYS PROVIDED, MASTER MODEL 3 T OR EQUIVALENT.
8. 4 EACH PLAIN STEEL, NON-REMOVABLE PIN, NO HOLE 4"x4" SQUARE CORNER HINGES TO BE WELDED ON.
9. 2 EACH EXTRA HEAVY, PLAIN STEEL, FIXED STAPLE, NO HOLE, 7 1/4 " HASPS TO BE WELDED ON.



FLAT STOCK DIMENSIONS VARY DEPENDING ON TYPE OF ROLLER ASSEMBLY.

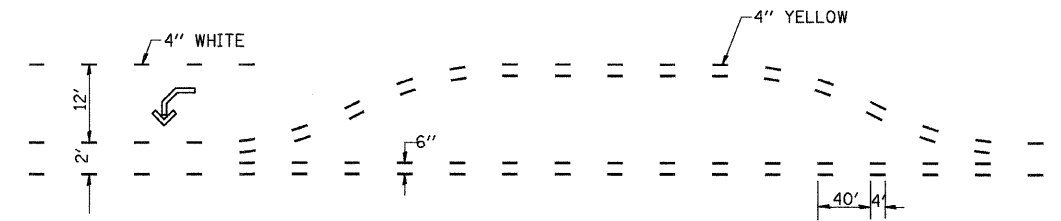
LOCKABLE COMPUTER CABINET

PLOT DATE = 12/86
 FILE NAME = Z04585PL1.DGN
 USER = ARR

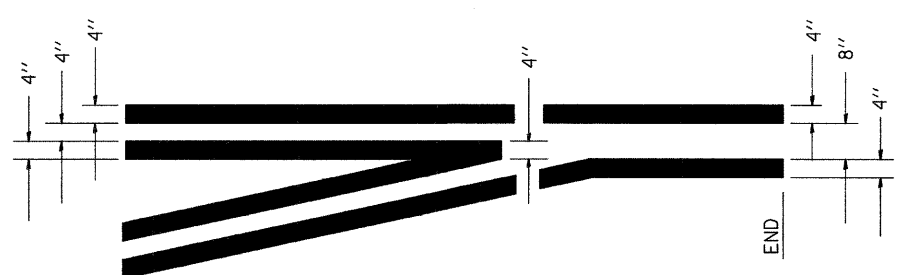


QUANTITY
 12" LINE = 16 LIN. FT.
 OR 4" LINE = 48 LIN. FT.

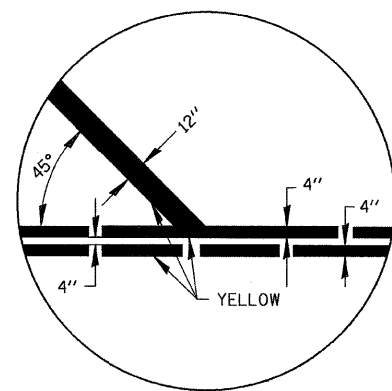
QUANTITY
 12" LINE = 29 LIN. FT.
 OR 4" LINE = 87 LIN. FT.



SHORT-TERM PAVEMENT MARKING FOR MEDIANS AND ARROWS



TYPICAL APPLICATION @ LEFT TURN LANES



REVISIONS	
NAME	DATE

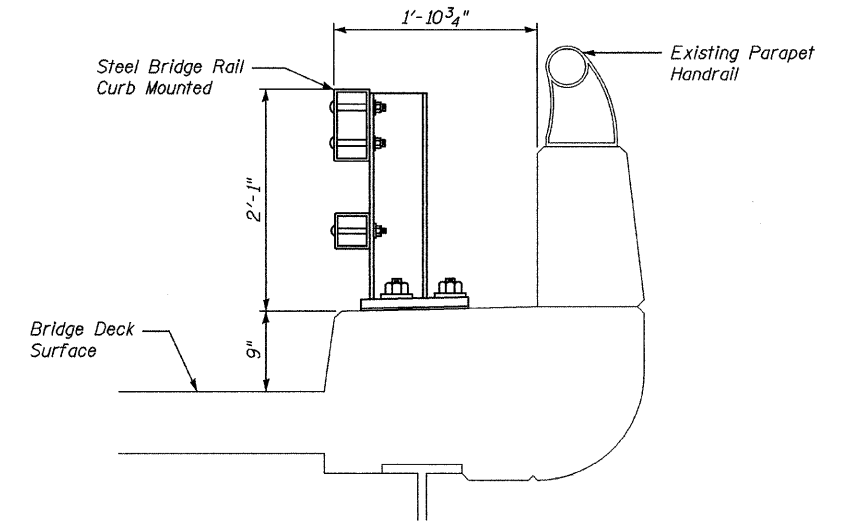
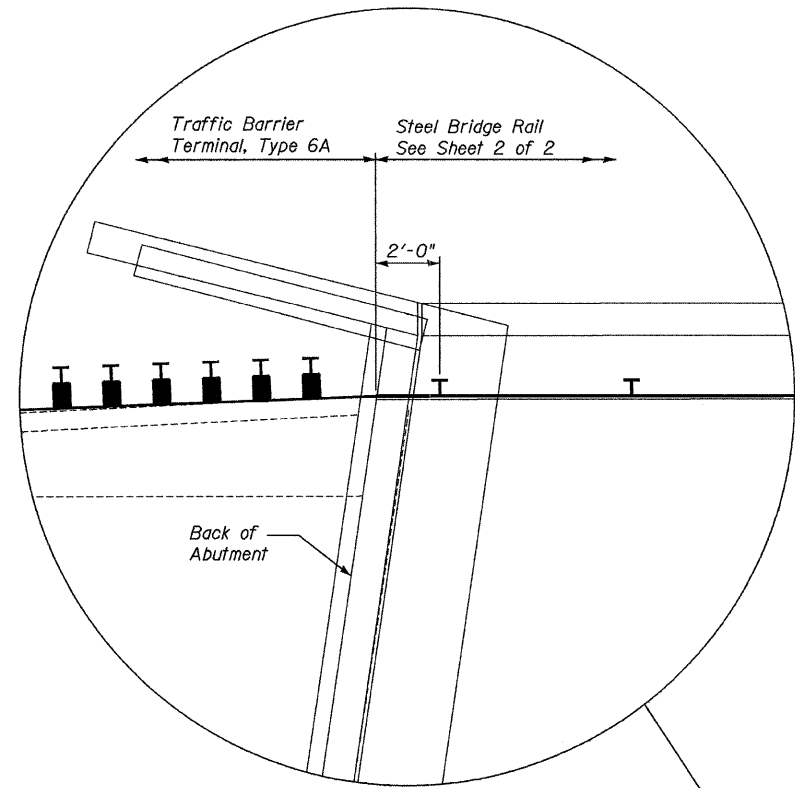
ILLINOIS DEPARTMENT OF TRANSPORTATION
 DETAILS
 FAU ROUTE 6176 (ARMOUR ROAD)
 SECTION (79)W&RS & 140RS
 KANKAKEE COUNTY

SCALE: VERT. _____
 HORIZ. _____
 DATE 11/05
 DRAWN BY ARR
 CHECKED BY DLA

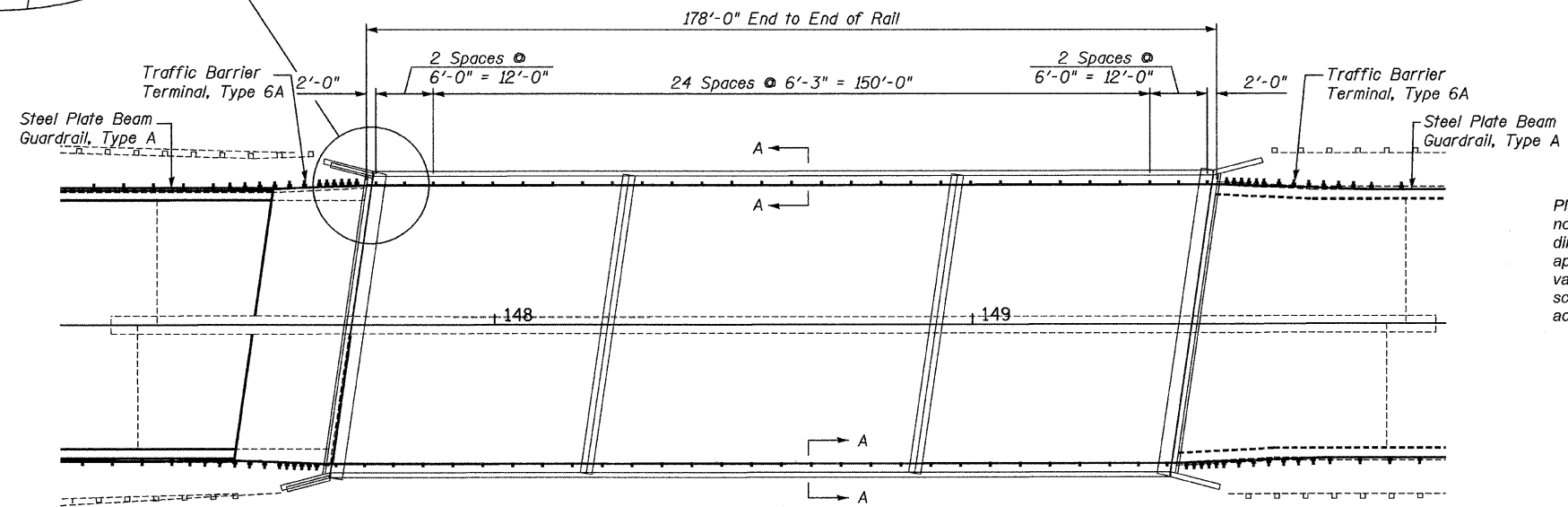
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 1
F.A.U. 6176	(79) W&RS & 140RS	KANKAKEE	109	66	2 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

Contract # 66560



SECTION A-A



Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished based at the unit price bid for the work.

PLAN

Note: Rail post spacing for south curb similar



DESIGNED	JKC
CHECKED	JDA
DRAWN	ARR
CHECKED	JKC

3/10/09
date

JAMES K. CLINARD
LICENSED STRUCTURAL ENGINEER
NO. 081-004655
STATE OF ILLINOIS
expires 11-30-2010

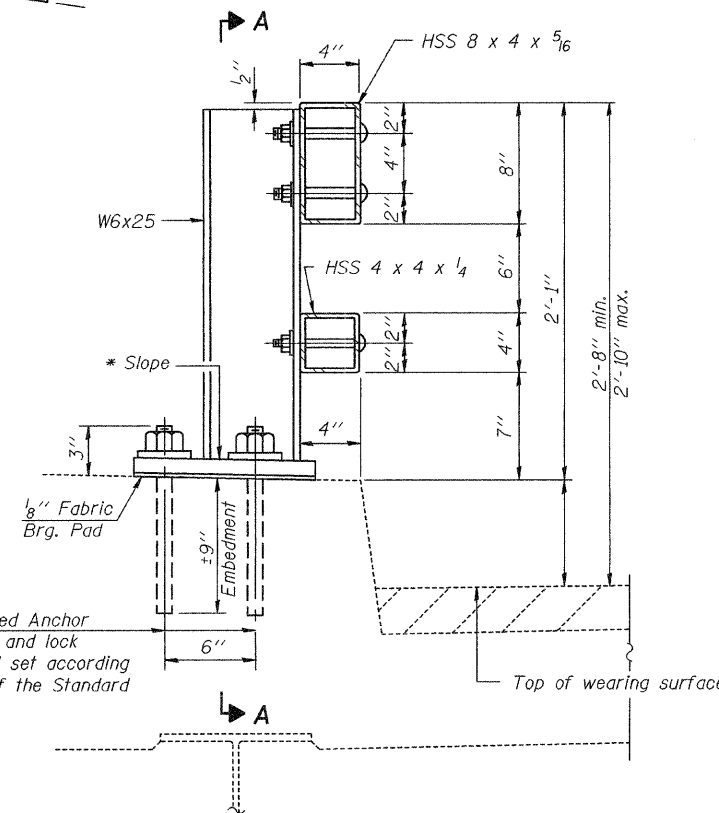
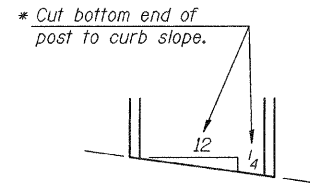
[Signature]
signature

PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-001717

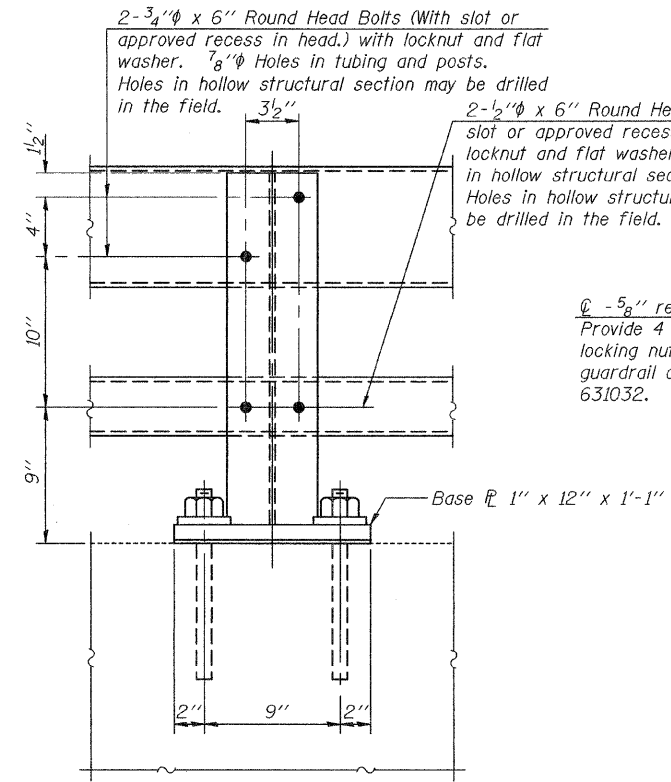
BRIDGE RAIL DETAILS
SN 046-0063
SECTION (79)W&RS & 140RS
KANKAKEE COUNTY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

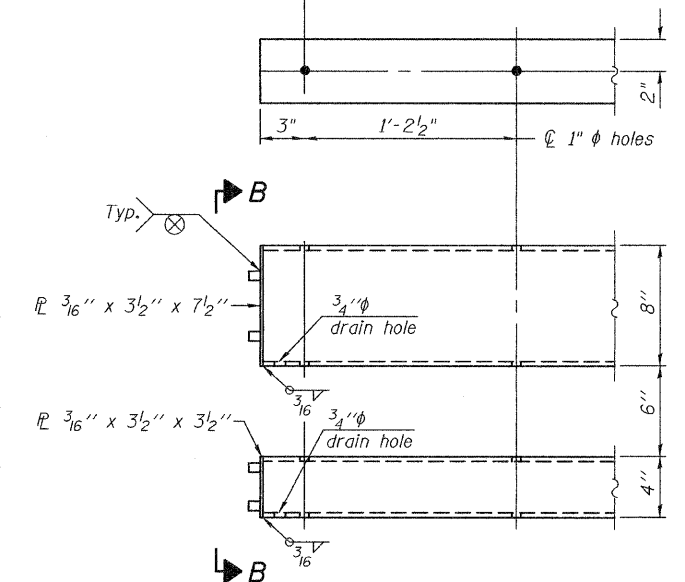
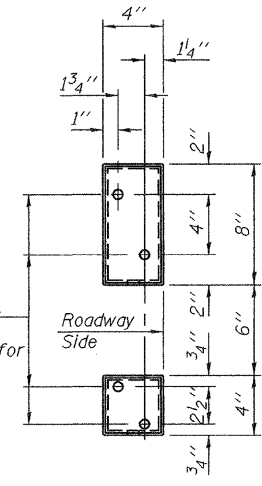
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FAU 6176	(79) W&RS & 140RS	KAWKAKEE	109	67	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT	Contract # 66560		



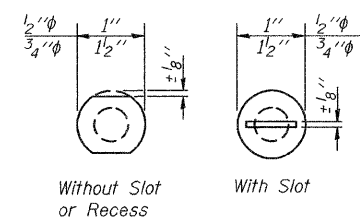
4- 1" ϕ H.S. Threaded Anchor Rods with hex nuts and lock washers, drilled and set according to Article 509.06 of the Standard Specifications.



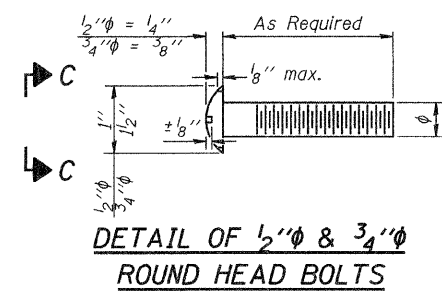
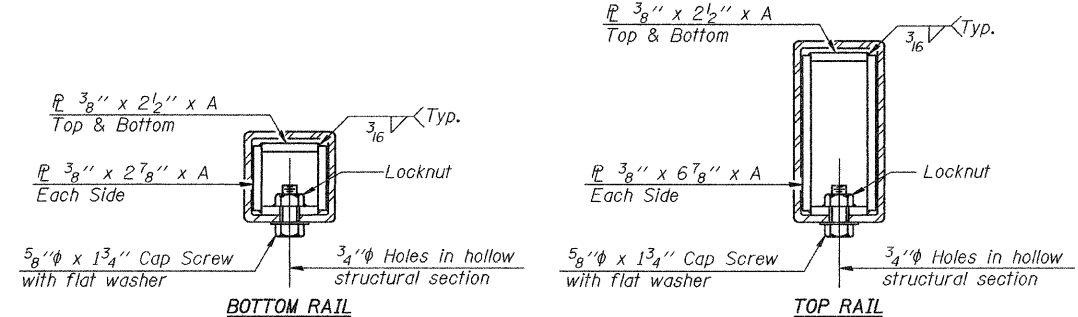
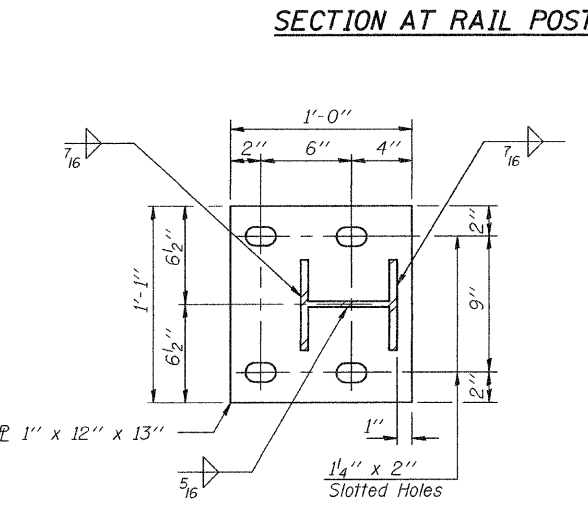
ϕ - 5/8" reduced base welded studs. Provide 4 - 5/8" washers and self-locking nuts or nuts and jam nuts for guardrail connection shown on Std. 631032.



Notes:
All field drilled holes shall be coated with an approved zinc rich paint before erection.
Posts shall not be located closer than 1'-3" to an existing bridge expansion joint or end of bridge.
Steel Bridge Rail expansion joint shall be provided between any two (2) posts which span a bridge expansion joint. Bolts located at expansion joint shall be provided with locknuts and shall be tightened only to a point that will allow ralling movement.
Provide one 1/8" and two 1/16" steel shims for 25% of the posts. Shims shall be similar to base plates in size and holes.
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.



Without Slot or Recess With Slot



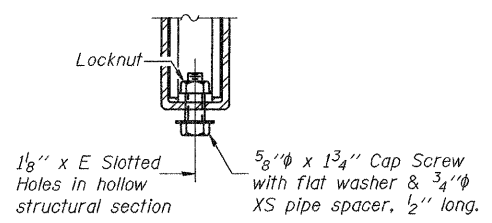
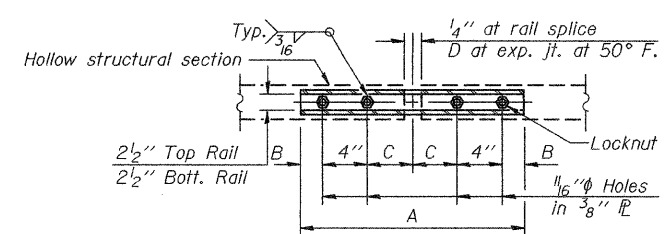
SPLICE DIMENSIONS

T	D	A	B	C	E
$\leq 4"$	2 1/2"	1'-8"	2"	4"	2 1/2"
$> 4" \leq 6 1/2"$	3 3/4"	2'-0"	2 1/2"	5 1/2"	3 1/2"
$> 6 1/2" \leq 9"$	5"	2'-4"	3 1/2"	6 1/2"	9"
$> 9" \leq 13"$	7"	2'-10"	4 1/2"	8 1/2"	11"
Rail Splice	4"	1'-8"	2"	4"	—

T = Total movement at expansion joint as shown on the design plans.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type 2399	Foot	356



DESIGNED
CHECKED
DRAWN
CHECKED

R-31 10-1-08

(6'-3" Maximum Post Spacing)

STEEL RAILING, TYPE 2399
STRUCTURE NO. 046-0063

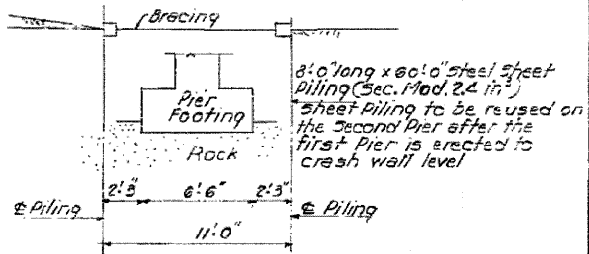
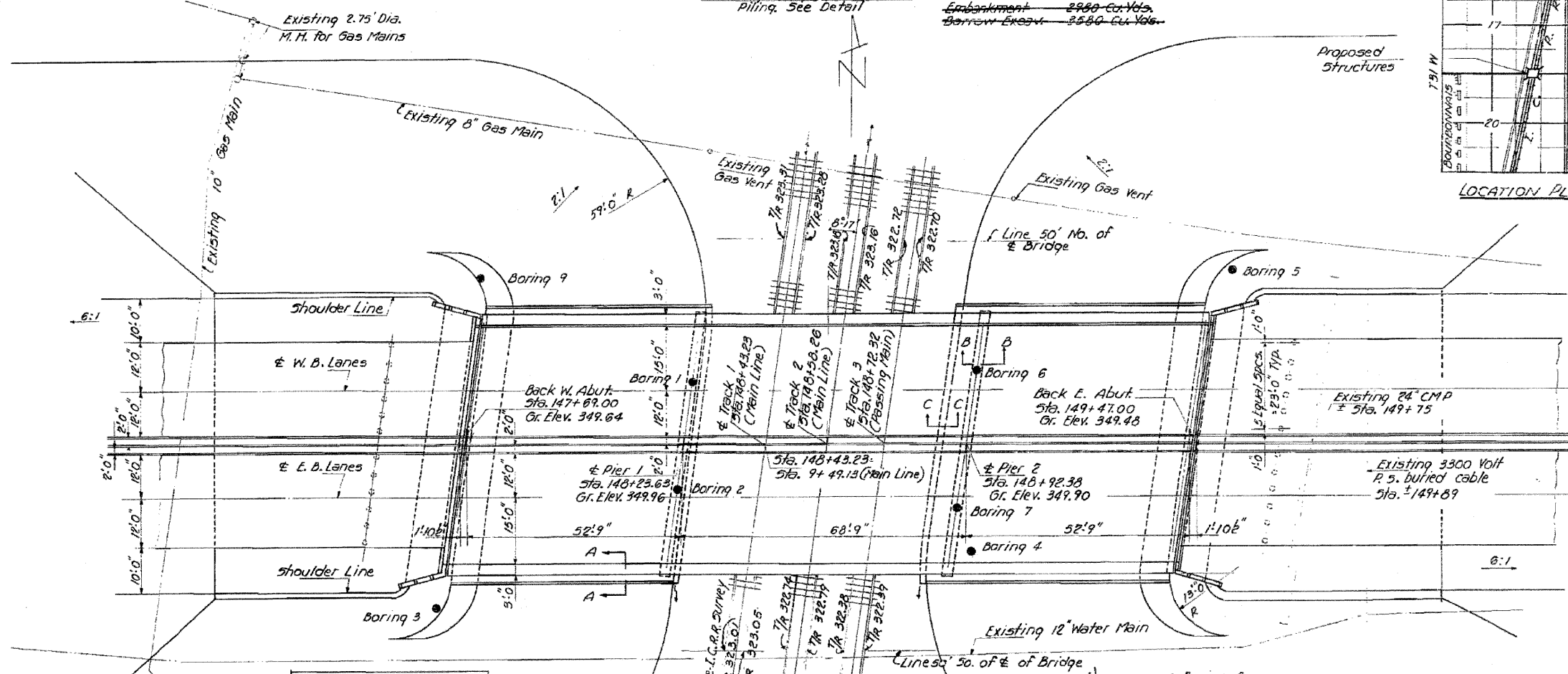
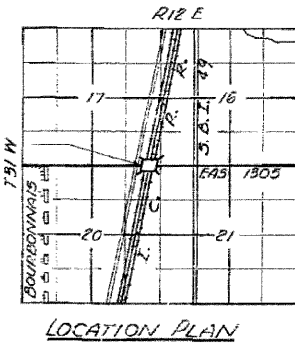
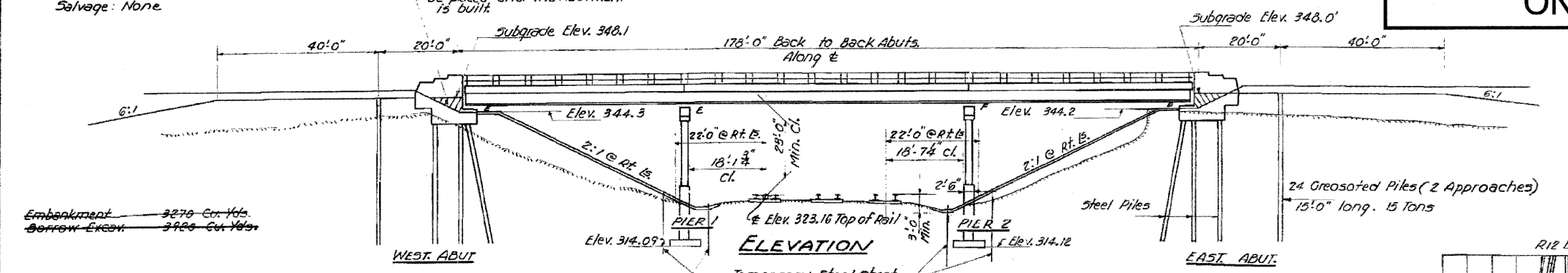
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

FOR INFORMATION ONLY

DATE	SECTION	BY	CHKD.	REV.	SHEET NO.
5-13-25	HR-15	Kankakee	EE	6	8 SHEETS
5-13-25	HR-16		EE	5	

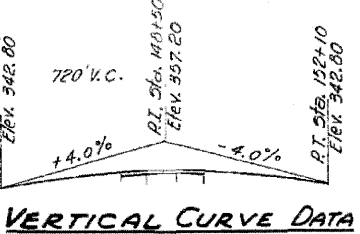
B.M. 5 S. & W. In T.D. 55' Rt.
Sta. 147+50 Elev. 323.88
Existing Structure: 8 Timber Spans
To be removed by Bridge Contractor & 1 Steel Girder Span.
Salvage: None.

GENERAL NOTES
Class-X Concrete shall be used throughout.
Coarse aggregate which is to be used in parapet handrails etc. must be free of chert, flint, limonite, lignite and soft sandstone.
The concrete floor slab shall be finished in accordance with Art. 51.19 of the Standard Specifications.
Slope Wall shall be reinforced with welded wire fabric 6"x6" mesh, #4 wires weighing 50 Lbs. per 100 sq. ft.
Rivets 3/4" Open Holes 1/8", unless noted.
All structural steel shall conform to the A.S.T.M. Specifications for structural steel A.S.T.M. Designation A 36.
All rollers, rockers, bearing plates, lead plates, pintles and anchor bolts shall be fabricated and set in accordance with Art. 51.15 of the Standard Specifications and are included in quantity of structural steel. Estimated Wt. - 13000 Lbs.
Anchor bolts shall be set before riveting diaphragms over supports.
Expansion Guards shall be fabricated and erected in accordance with Art. 51.13 (c) of the Standard Specifications.
Expansion Guards are included in quantity of structural steel. Estimated Wt. - 3070 Lbs.
Except as otherwise provided all structural steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Arts. 56.1 to 56.5 inclusive of the Standard Specifications.
The Contractor shall drive one test pile at each abutment in permanent locations as directed by the Engineer before ordering remainder of piles.



TOTAL BILL OF MATERIAL - SEC. 79R-VB

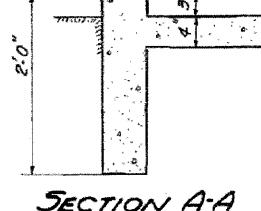
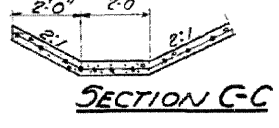
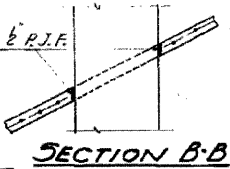
ITEM	UNIT	SUPER.	SUBSTR.	TOTAL
Borrow Excavation	Cu.Yds.	950		950
Removal of Existing Structures	Each			1
Class-A Excavation for Structures	Cu.Yds.	330		330
Rock Excavation for Structures	Cu.Yds.	20		20
Erecting Structural Steel	Lbs.	30400		30400
Class-X Concrete	Cu.Yds.	312.1	365.2	677.3
Aluminum Handrail	Lin.Ft.	352		352
Reinforcement Bars	Lbs.	63960	31020	95000
Creosoted Piles - Up to 20'	Lin.Ft.	360		360
Steel Piles	Lin.Ft.	756		756
Test Piles (Steel)	Each	2		2
Name Plates	Each	1		1
Slope Wall - 4'	Sq.Yds.	933		933
Protective Coat	Sq.Yds.	1343		1343
Temporary Steel Sheet Piling (Sec. Mod. 24 in^2)	Sq.Ft.	960		960
SECTION 79R-VF				
Furnishing Structural Steel	Lbs.	30400		30400



DESIGN STRESSES
fc - - - - 1400 psi Super. & Sub.
vc - - - - 75 psi Ftg.
fs - - - - 20000 psi Reinf.
fs - - - - 20000 psi Struct.
n - - - - 10

STATION 148+43.23
ILLINOIS CENTRAL R.R.
BUILT 196
F.A.S. RT. 1305 - SEC. 79R-VB
PROJECT US 9-1305-1(1)
LOADING H20-516
NAME PLATE
see standard 2113

DESIGNED: *Walter Kory*
CHECKED: *Walter Kory*
DRAWN: *W.F. Miller*
CHECKED: *W.F. Miller*
EXAMINED: *H.E. Benham*
PASSED: *H.E. Benham*
APPROVED: *M. J. ...*
MAY 24 1962



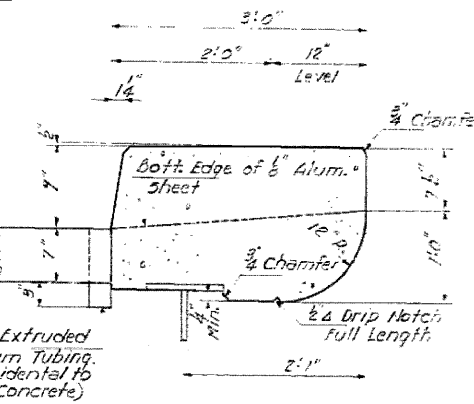
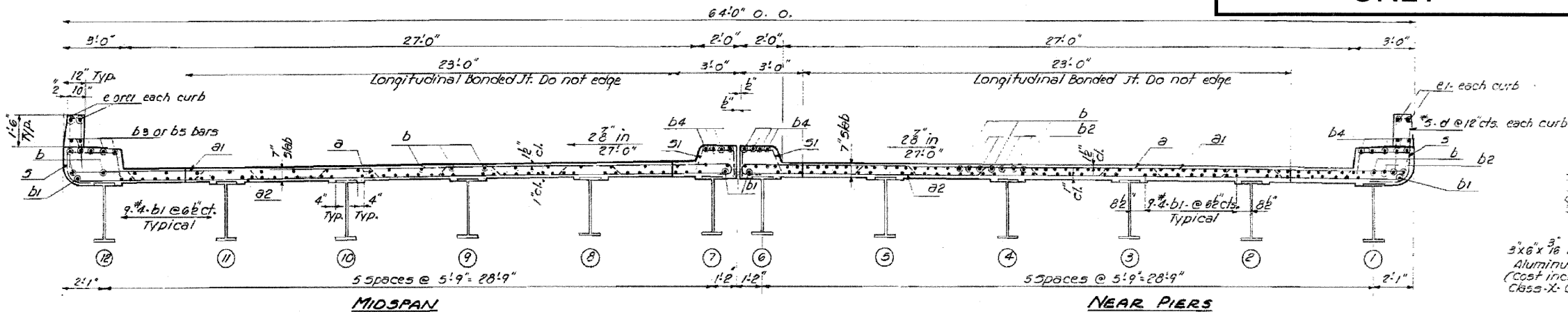
GENERAL PLAN & ELEVATION
F.A.S. RT. 1305 OVER ILL. CENTRAL R.R.
SEC. 79R-VCB, F)
KANKAKEE COUNTY
STATION 148+43.23

Loading H20-516-44

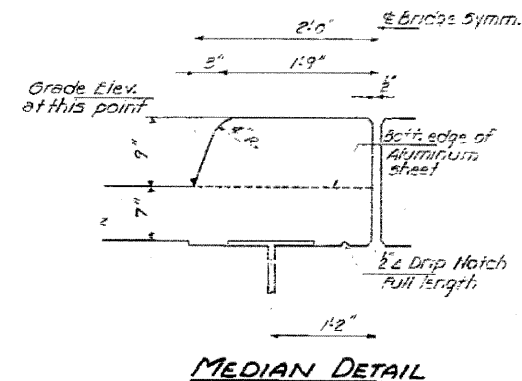
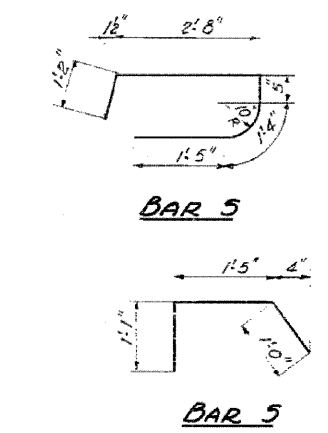
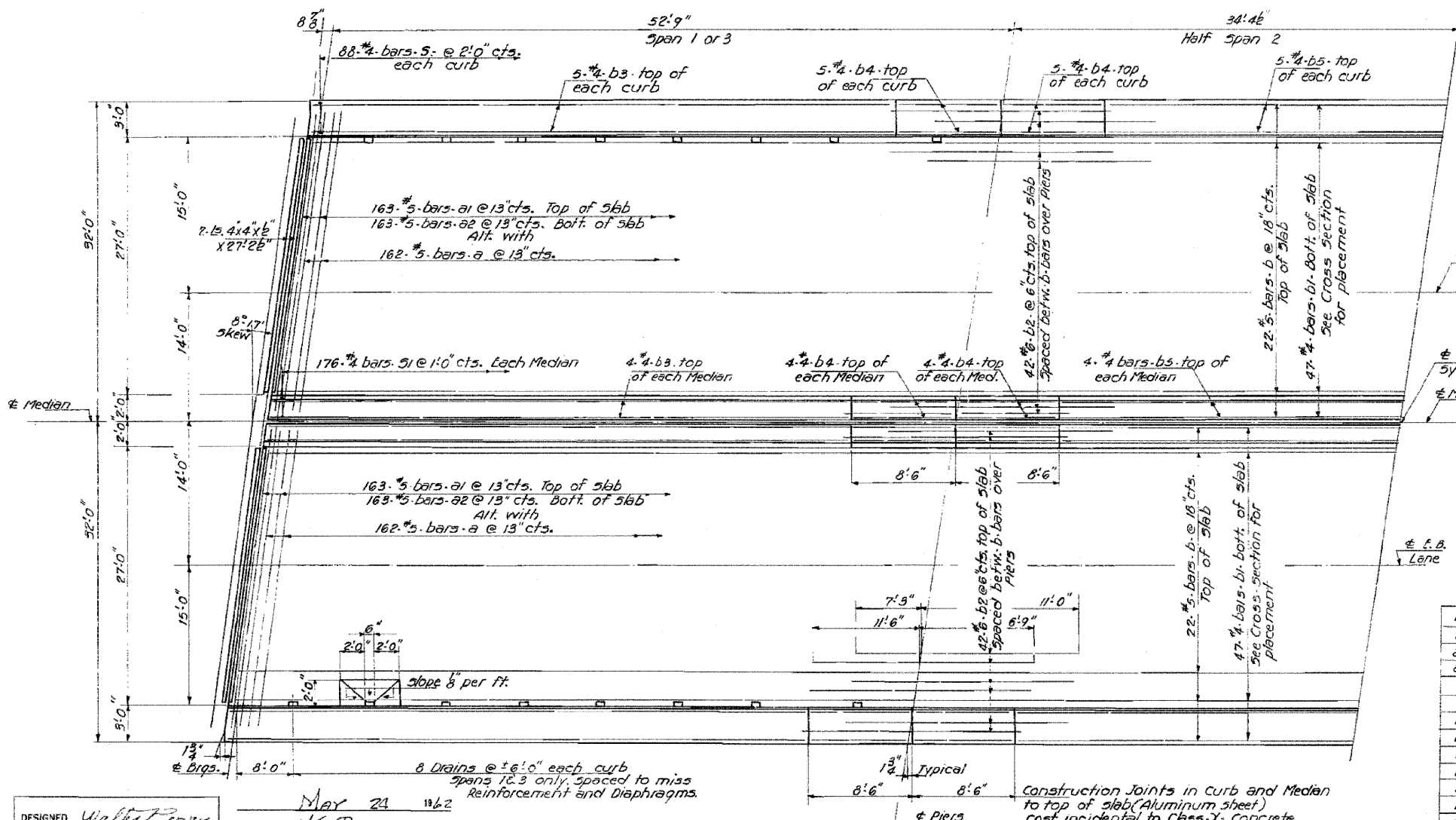
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

FOR INFORMATION
ONLY

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET
143.35	710-10	Kankakee	3	2
SHEET NO. 2 OF SHEETS 3				



CURB DETAIL



MEDIAN DETAIL

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	324	#5	33'3"	U
a1	326	#5	32'0"	U
a2	326	#5	31'0"	U
d	352	#5	5'3"	U
b	352	#5	23'3"	U
b1	752	#4	23'0"	U
b2	168	#6	16'3"	U
b3	72	#4	23'0"	U
b4	72	#4	6'3"	U
b5	36	#4	26'3"	U
s	176	#4	7'0"	U
s1	352	#4	3'6"	U

Class-X Concrete Cu.Yds. 312.1
Reinforcement Bars Lbs. 83960
Structural Steel Lbs. 30400

Note: Bill of Material includes Reinf. Quantity for Parapet Handrail. See Sheet 4

SUPERSTRUCTURE
F.A.S. RT. 1305-SEC. 79R-V(C,B,F)
KANKAKEE COUNTY
STATION 148+43.23

DESIGNED *Walter Perry*
CHECKED *H. G. Russell*
DRAWN *W. P. Miller*
CHECKED *M. R.*

EXAMINED *H. E. Baumann*
PASSED *[Signature]*
APPROVED *[Signature]*

May 24 1962
ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
ENGINEER OF DESIGN
CHIEF HIGHWAY ENGINEER

HALF PLAN

All Aluminum sheets shall conform to A.S.T.M. specifications: B 209-58 T alloy M1A-H14
All Aluminum tubing shall conform to A.S.T.M. specifications: B 221-58 r Alloy G5 10A-T 42

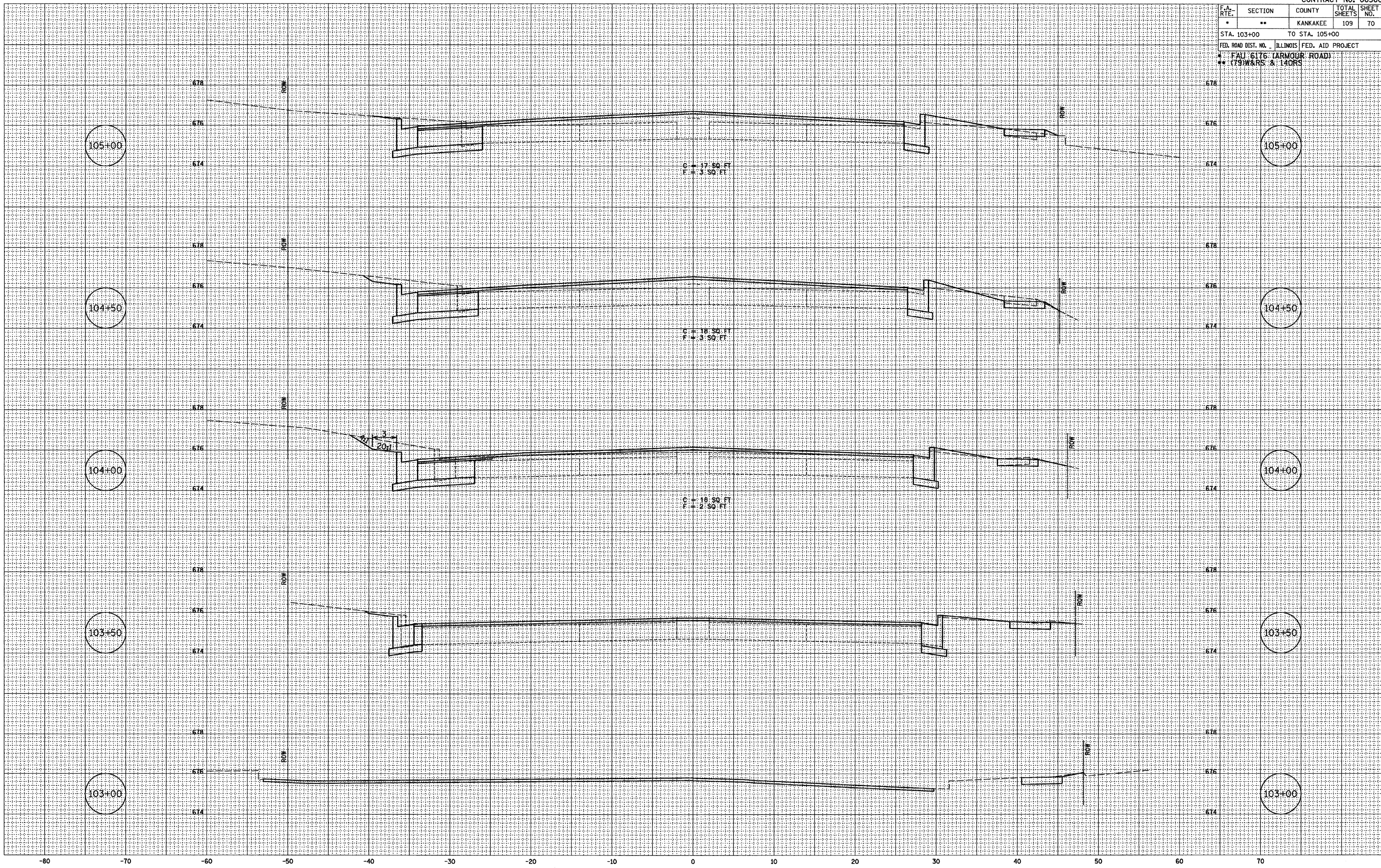
Construction Joints in Curb and Median to top of slab (Aluminum sheet) cost incidental to Class-X Concrete

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	70
STA. 103+00		TO STA. 105+00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FALL 6176 (ARMOUR ROAD)				
** (79)W&RS & 14ORS				

FINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
NO.		
TEMP. DATE		
AREAS		
AREAS CHECKED		
		06/05
		09/05
		NET

ORIGINAL SURVEY	BY	DATE
SURVEYED	CHAMIN	12/03
NOTE BOOK	JAC	02/03
NO.	ARR	07/03
TEMP. DATE		
AREAS		
AREAS CHECKED		

PLOT DATE = 12/05
 FILE NAME = Z94395MOLDEN
 PLOT SCALE = 1" = 5'
 USER NAME = ARR

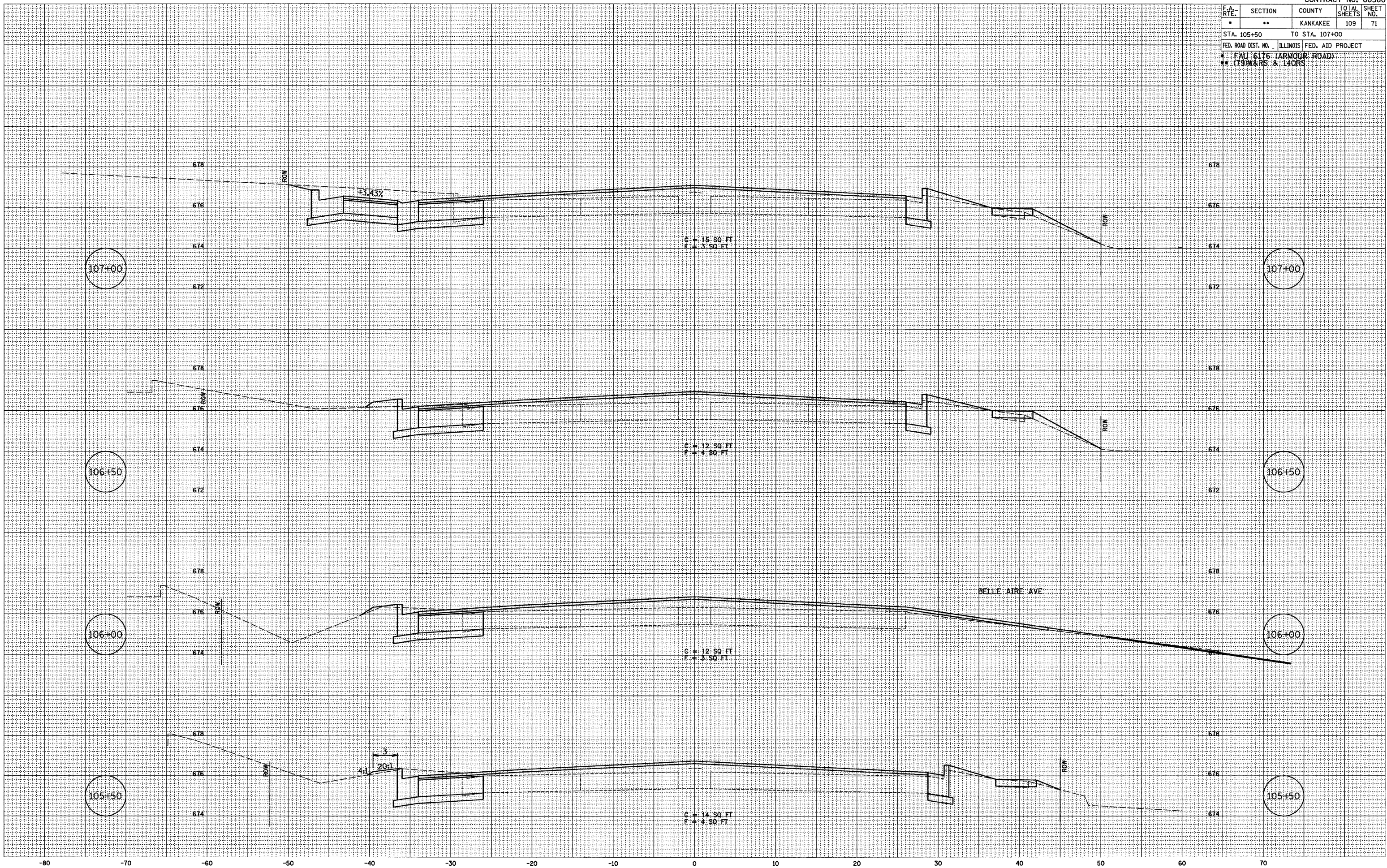


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	71
STA. 105+50		TO STA. 107+00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FAU 6176 (ARMOUR ROAD)				
** (79)W&RS & 14ORS				

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

ORIGINAL SURVEY	BY	DATE
SURVEYED	CHAMLIN	12/03
NOTE BOOK	W.C.	02/03
NO.	ARR	07/03
TEMPLATE		
AREAS CHECKED		

PLOT DATE = 12/03
 FILE NAME = Z84388XALDGN
 PLOT SCALE = 1" = 5'
 USER NAME = ARR



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	72

STA. 107+50 TO STA. 110+00
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

FAU 6176 (ARMOUR ROAD)
 ** (79 W&RS & 14ORS)

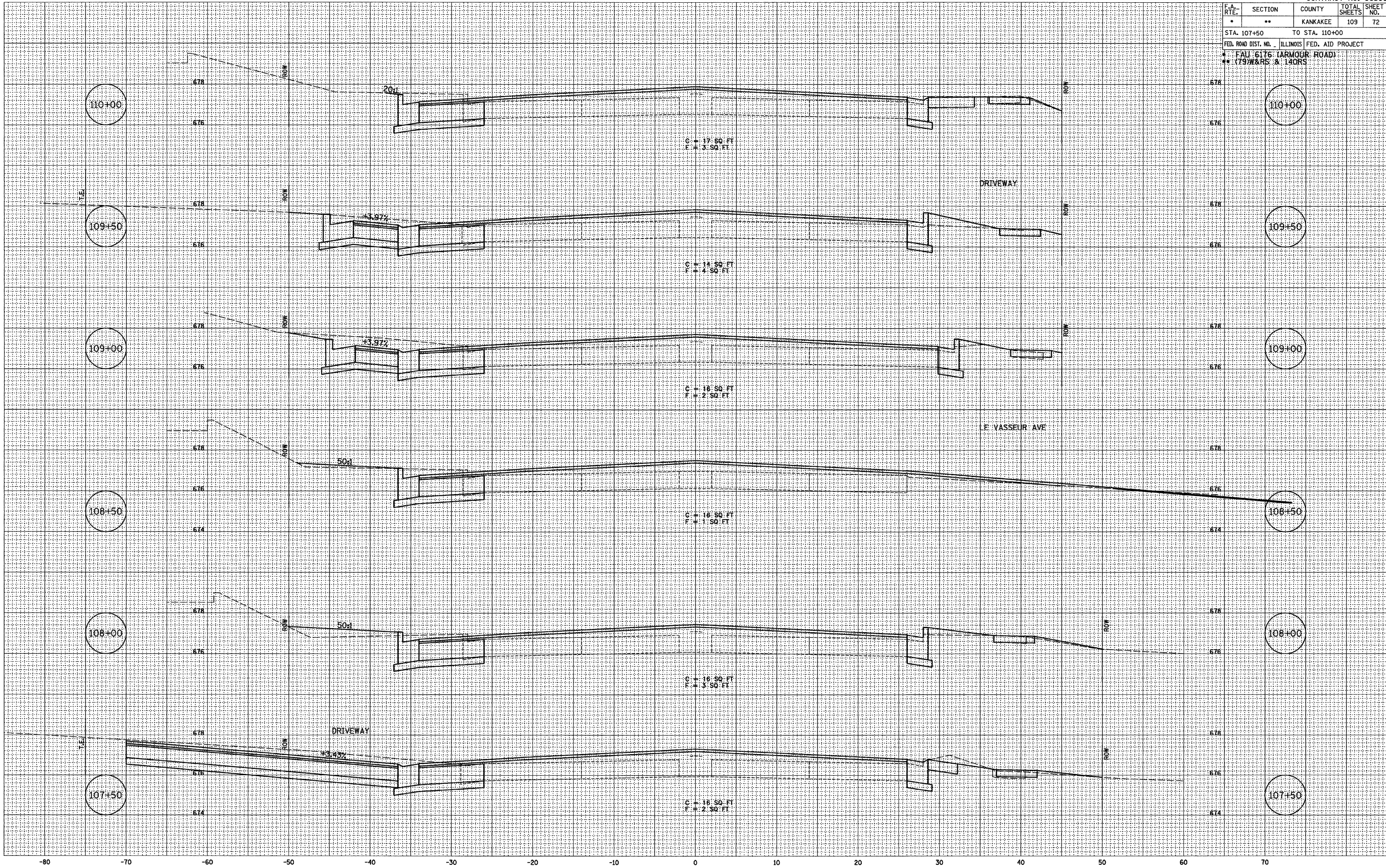
FINAL SURVEY

BY	DATE
SURVEYED	12/03
NOTE BOOK	02/03
NO.	07/03
AREAS CHECKED	ARR
AREAS CHECKED	NET

ORIGINAL SURVEY

BY	DATE
SURVEYED	12/03
NOTE BOOK	02/03
NO.	07/03
AREAS CHECKED	ARR
AREAS CHECKED	NET

PLOT DATE = 12/06
 FILE NAME = ZK4395WLDON
 PLOT SCALE = 1" = 5'
 USER NAME = ARR

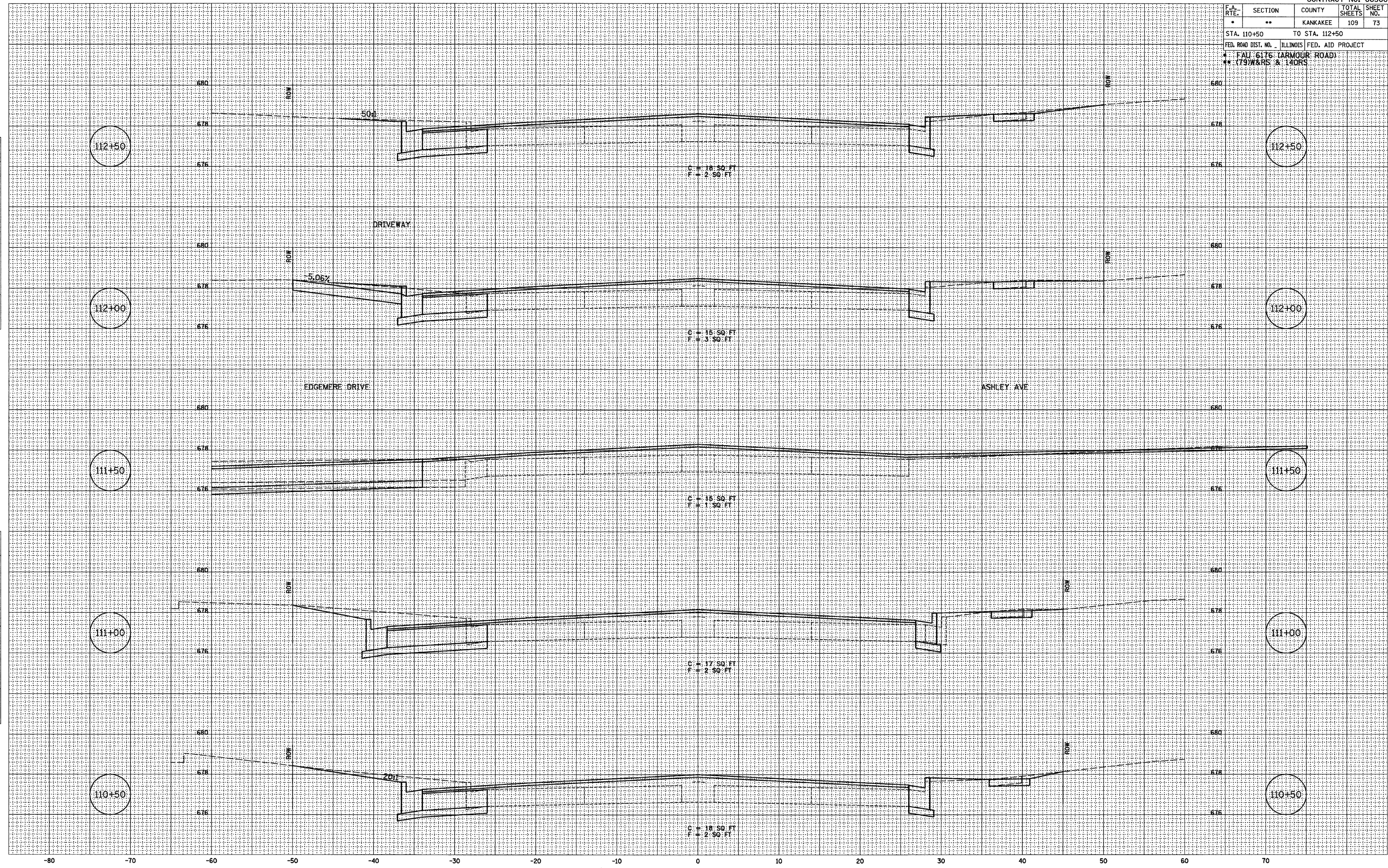


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	73
STA. 110+50		TO STA. 112+50		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FAU 6176 (ARMOUR ROAD)				
** (79)W&RS & 14ORS				

BY	DATE
BY	DATE
BY	DATE
BY	DATE
BY	DATE
BY	DATE

BY	DATE
BY	DATE
BY	DATE
BY	DATE
BY	DATE
BY	DATE

PLOT DATE = 12/06
 FILE NAME = ZR4395HLDN
 PLOT SCALE = 1" = 5'
 USER NAME = ARR



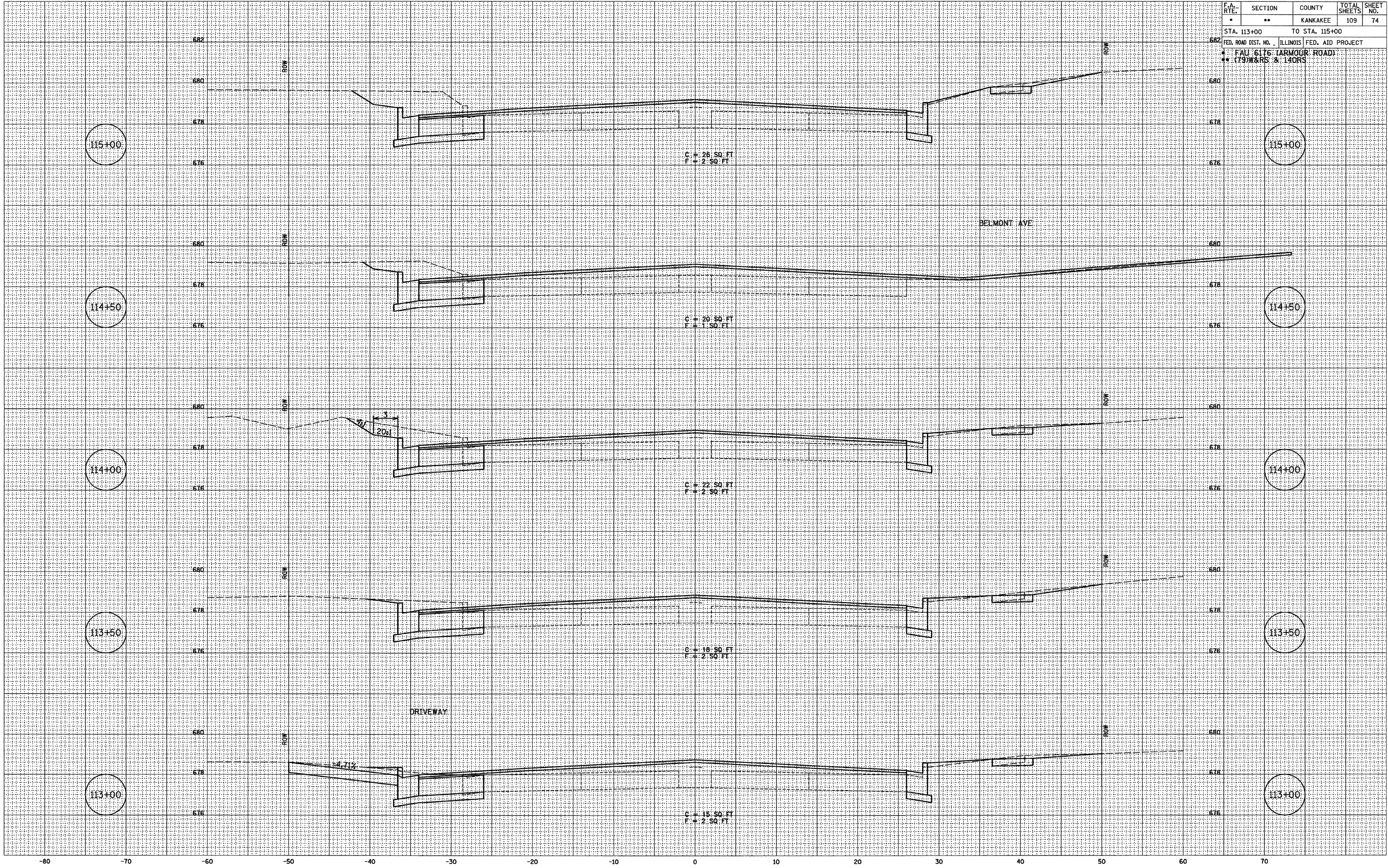
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	74

STA. 113+00 TO STA. 115+00
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 1 FAU 6176 (ARMOUR ROAD)
 ** (79)W&RS & 14ORS

DATE	BY
12/03	CHAMLIN
02/03	JIC
07/03	ARR
09/03	NET

DATE	BY
12/03	CHAMLIN
02/03	JIC
07/03	ARR
09/03	NET

PLOT DATE = 12/06
 FILE NAME = ZK4395MILDON
 PLOT SCALE = 1" = 5'
 USER NAME = ARR

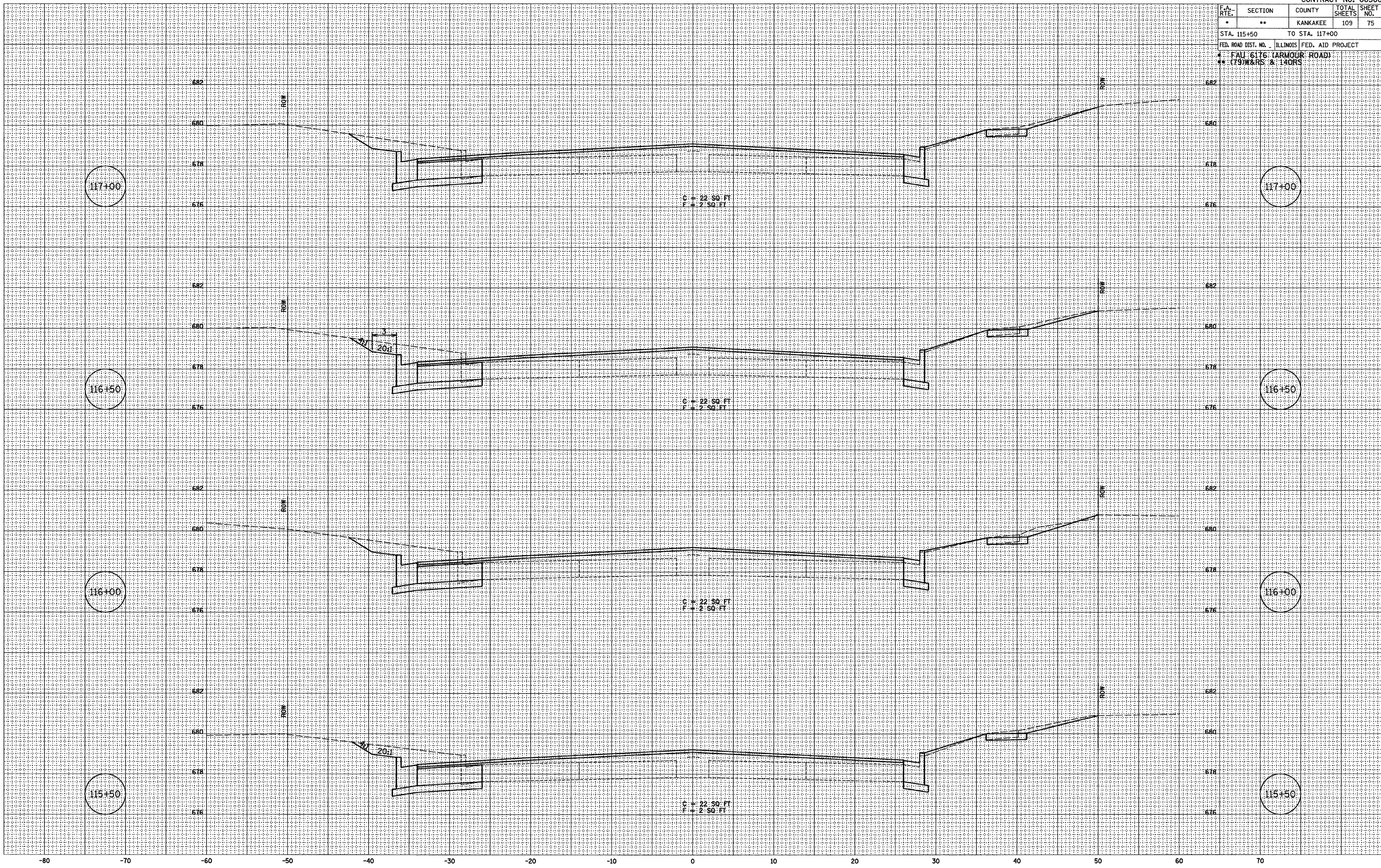


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	75
STA. 115+50		TO STA. 117+00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FAU 6176 (ARMOUR ROAD)				
** (79)W&RS & 14ORS				

FINAL SURVEY	BY	DATE
NOTE BOOK	NO.	
AREAS CHECKED	ARR	08/05
	NET	09/05

ORIGINAL SURVEY	BY	DATE
NOTE BOOK	NO.	
AREAS CHECKED	ARR	07/03
	ARR	07/03

PLOT DATE = 12/06
 FILE NAME = Z9496MHDEN
 PLOT SCALE = 1" = 5'
 USER NAME = ARR

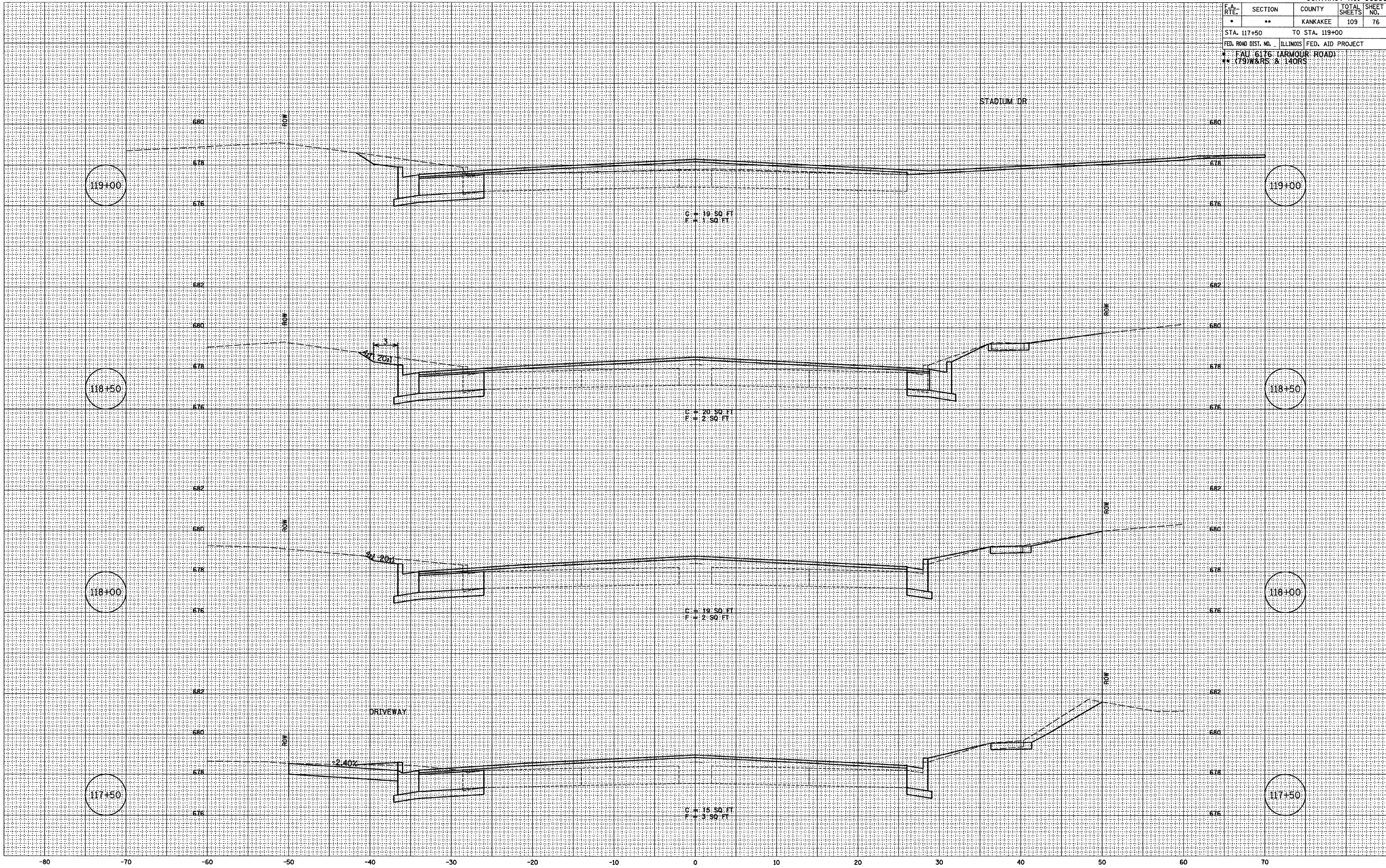


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	76
STA. 117+50		TO STA. 119+00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FAU 6176 (ARMOUR ROAD)				
** (79W&RS & 14ORS)				

FINAL SURVEY	BY	DATE
NOTE BOOK		
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
NOTE BOOK		
AREAS CHECKED		

PLOT DATE = 12/06
 FILE NAME = ZM438D\HLDGN
 PLOT SCALE = 1" = 5'
 USER NAME = AFR

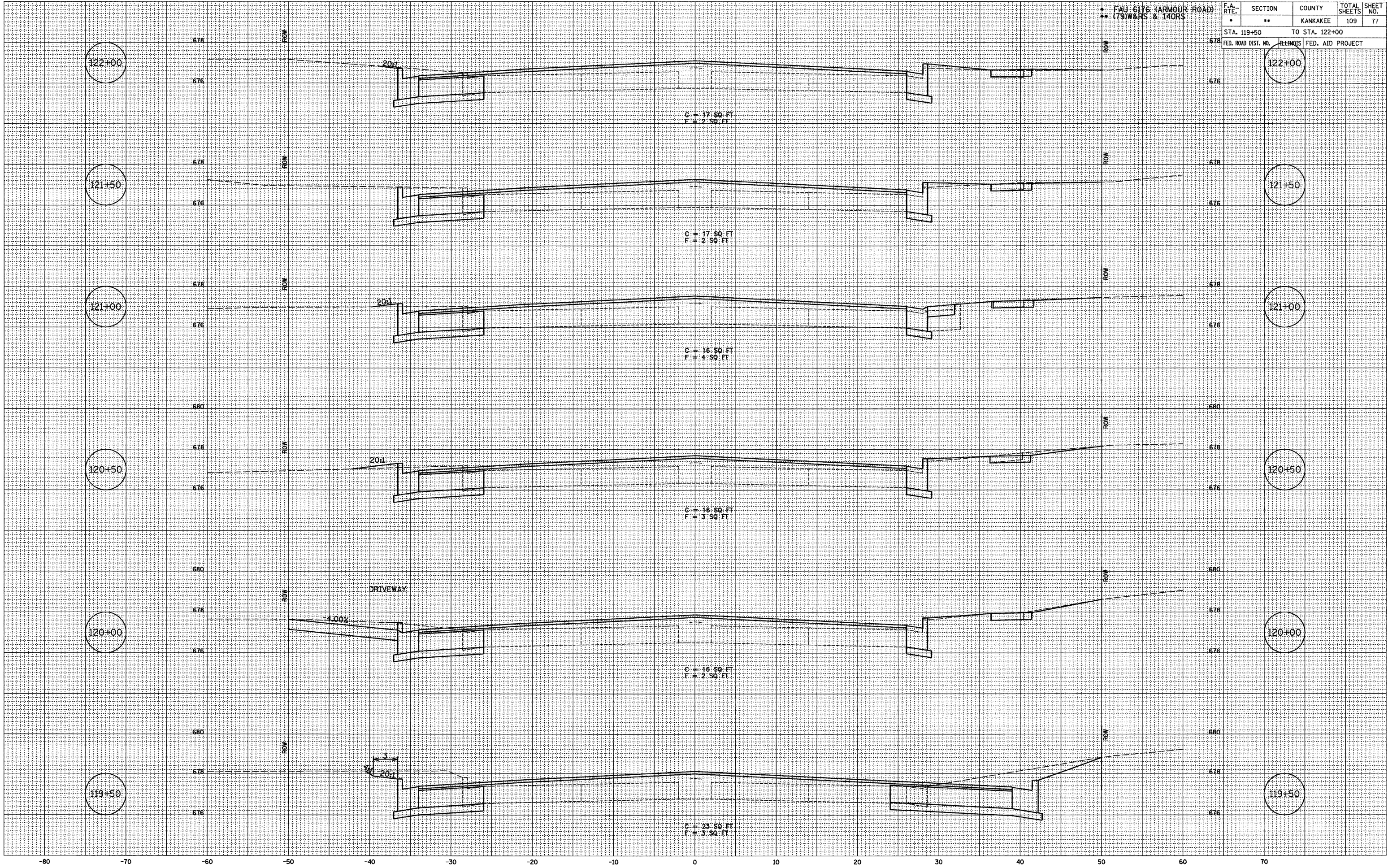


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	77
STA. 119+50 TO STA. 122+00		ILLINOIS FED. AID PROJECT		

BY	DATE
SURVEYED	12/03
NOTE BOOK	02/03
NO.	07/03
TEMP. DATE	
AREAS CHECKED	
ARR	
NET	09/08

BY	DATE
CHAMIN	12/03
NOTE BOOK	02/03
NO.	07/03
TEMP. DATE	
AREAS CHECKED	
ARR	

PLOT DATE = 12/06
 FILE NAME = ZR43B5M1DGN
 PLOT SCALE = 1" = 5'
 USER NAME = ARR

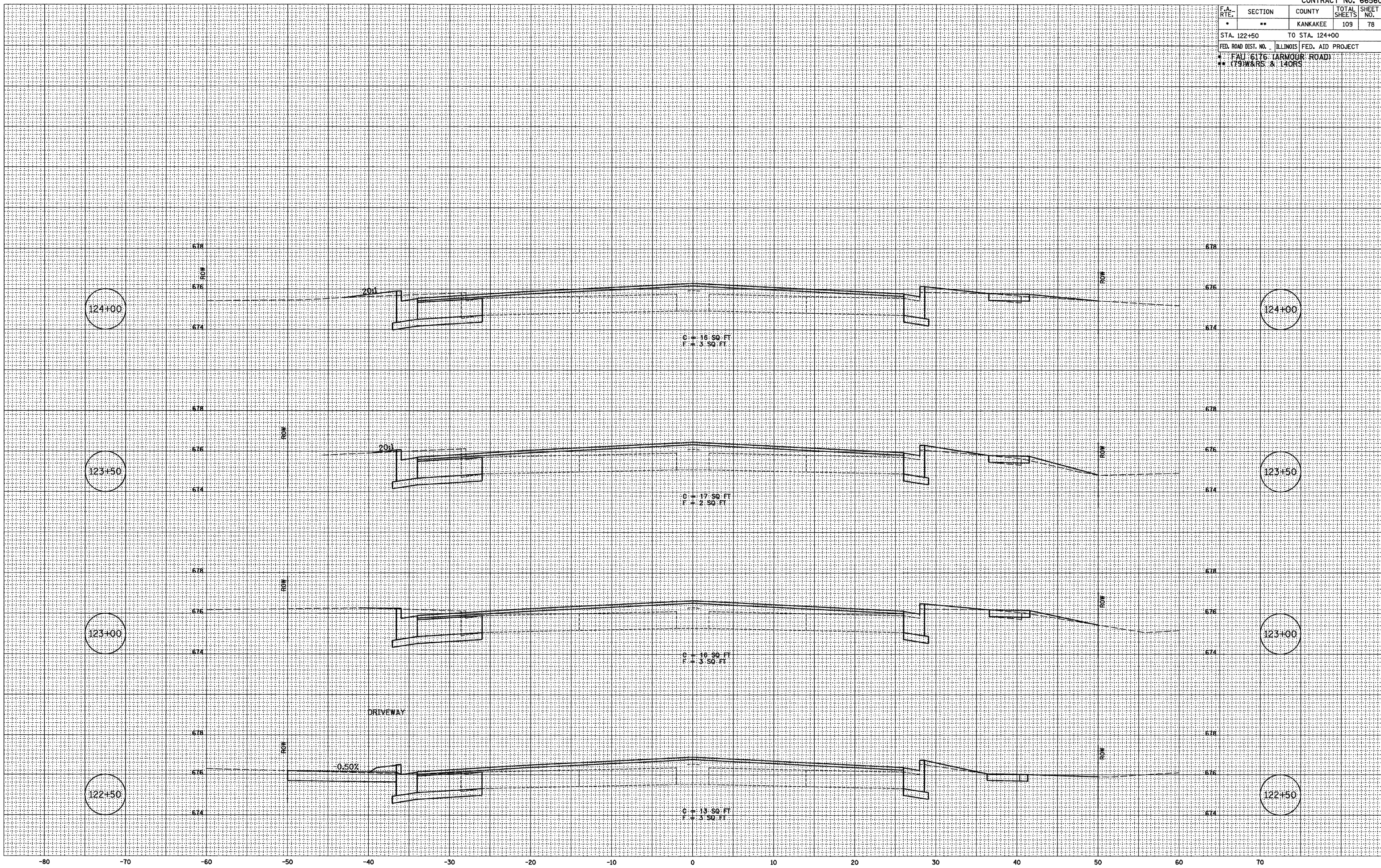


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	78
STA. 122+50		TO STA. 124+00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FAU: 6176 (ARMOUR ROAD)				
** (79W&RS & 14ORS)				

FINAL SURVEY	BY	DATE
NO. _____	_____	____/____/____
NO. _____	_____	____/____/____
NO. _____	_____	____/____/____
NO. _____	_____	____/____/____

ORIGINAL SURVEY	BY	DATE
NO. _____	_____	____/____/____
NO. _____	_____	____/____/____
NO. _____	_____	____/____/____
NO. _____	_____	____/____/____

PLOT DATE = 12/06
 FILE NAME = ZR4396MILDEN
 PLOT SCALE = 1" = 5'
 USER NAME = ARR



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	79

STA. 124+50 TO STA. 126+00
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 * FAU 6176 (ARMOUR ROAD)
 ** (79)W&RS & 14ORS

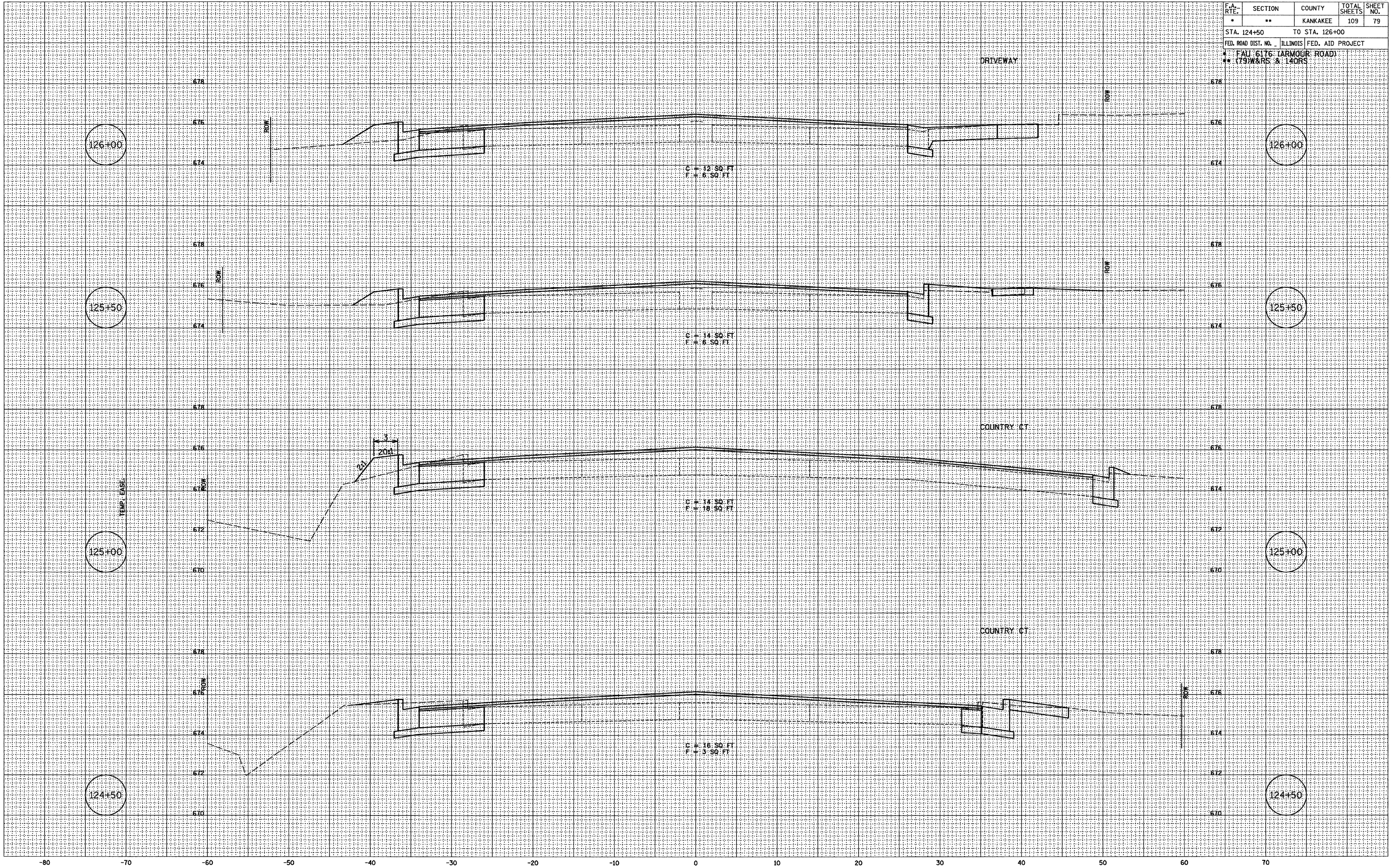
FINAL SURVEY

BY	DATE
SURVEYED	12/02
NOTE BOOK	02/03
TEMPLATE	ARR
AREAS CHECKED	08/02
NO.	09/02

ORIGINAL SURVEY

BY	DATE
CHAMLIN	12/02
NOTE BOOK	02/03
TEMPLATE	ARR
AREAS CHECKED	07/03
NO.	

PLOT DATE = 12/06
 FILE NAME = ZR4385WLDGN
 PLOT SCALE = 1" = 5'
 USER NAME = ARR

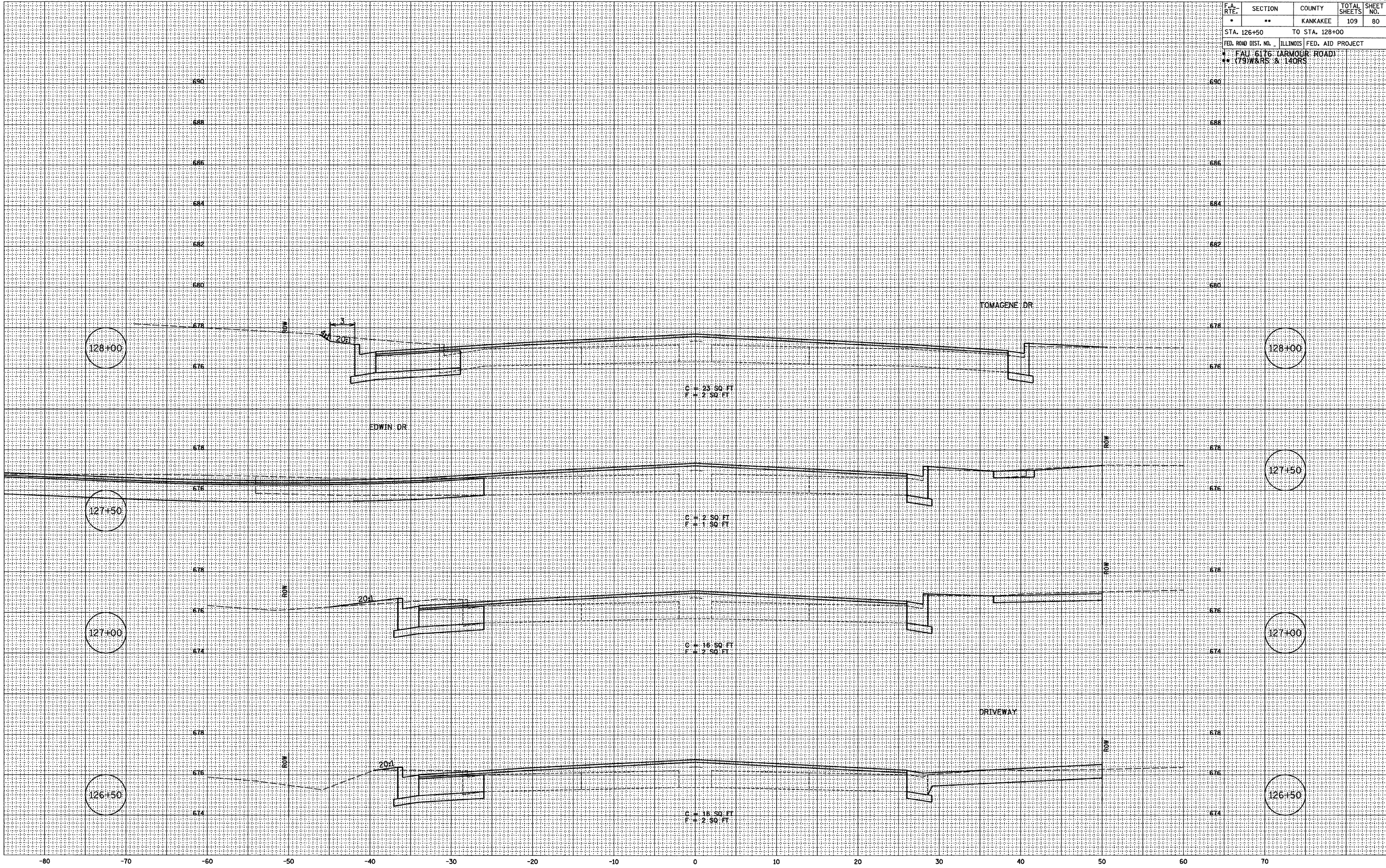


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	80
STA. 126+50		TO STA. 128+00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FAU 6176 (ARMOUR ROAD)				
** (79)W&RS & 14ORS				

FINAL SURVEY	DATE
SURVEYED	12/03
NOTE BOOK	02/03
TEMP. DATE	07/03
AREAS CHECKED	ARR
NO.	NET

ORIGINAL SURVEY	DATE
SURVEYED	12/03
NOTE BOOK	02/03
TEMP. DATE	07/03
AREAS CHECKED	ARR
NO.	NET

PLOT DATE = 12/06
 FILE NAME = ZR438541LDN
 PLOT SCALE = 1" = 5'
 USER NAME = ARR

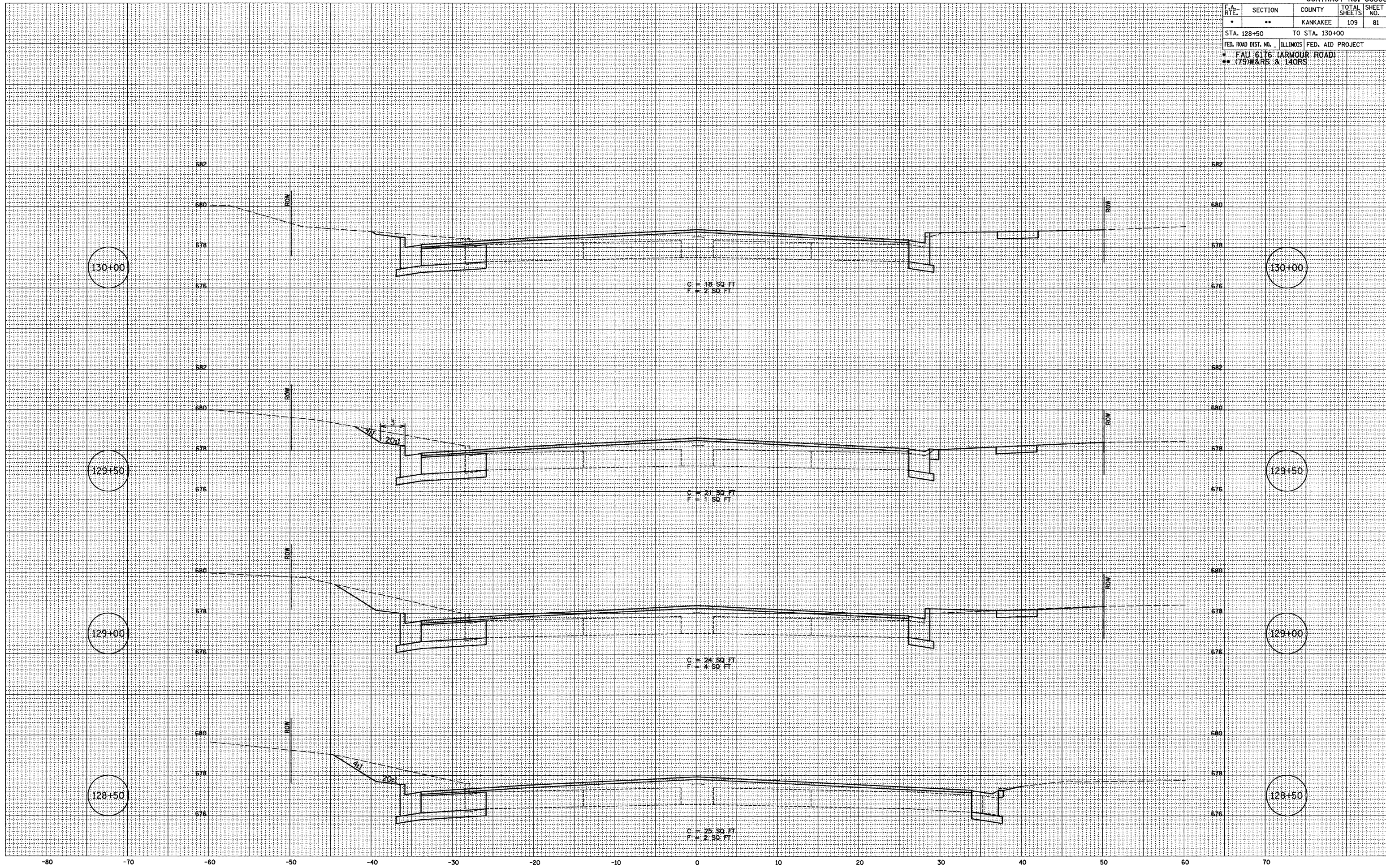


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	81
STA. 128+50		TO STA. 130+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* FAU 6176 (ARMOUR ROAD)				
** (79W&RS & 14ORS)				

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

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

PLOT DATE = 12/86
FILE NAME = 284385M1.DGN
PLOT SCALE = 1" = 5'
USER NAME = AFR

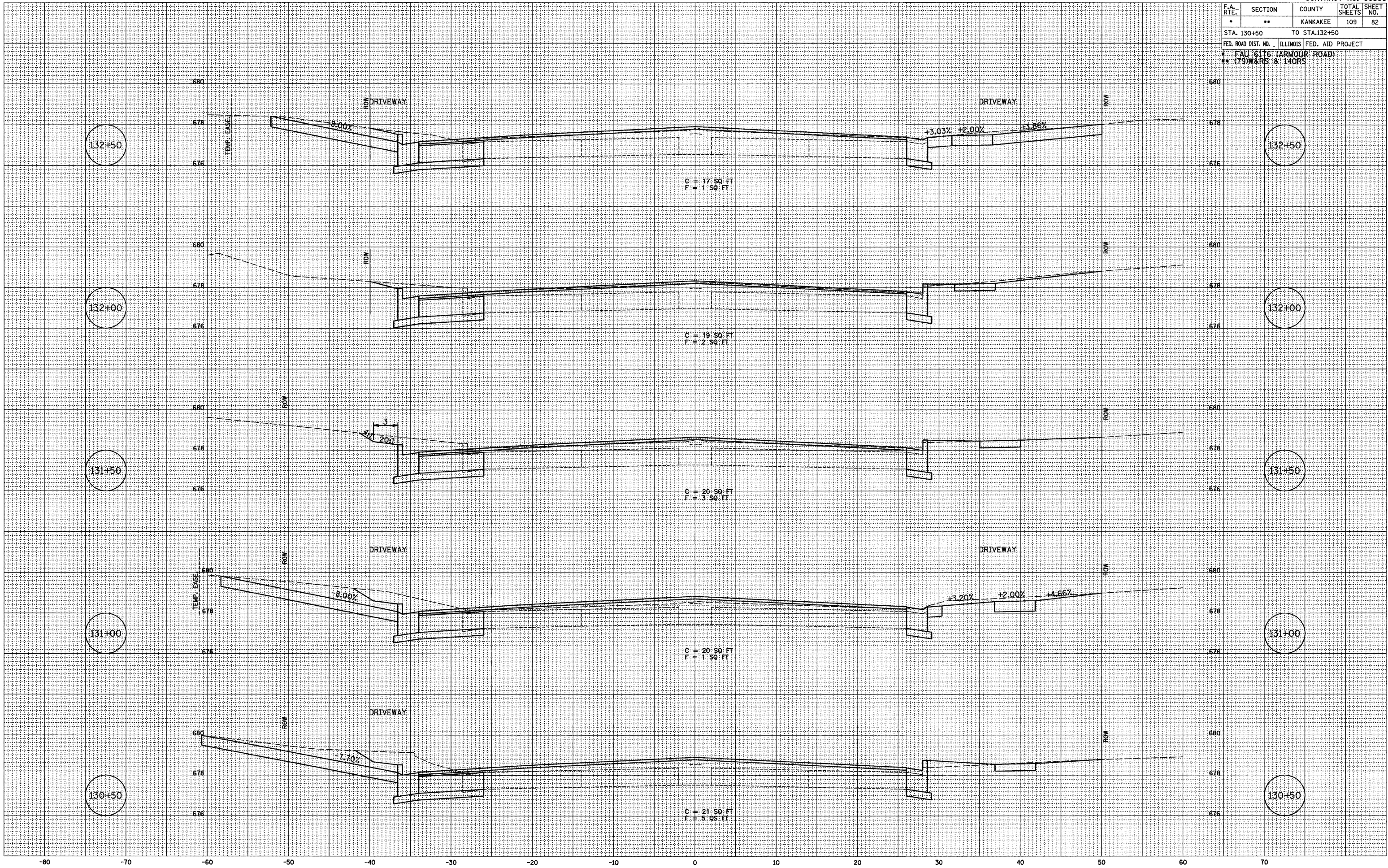


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	82
STA. 130+50		TO STA. 132+50		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FAU 6176 (ARMOUR ROAD)				
** (79)W&RS & 14ORS				

FINAL SURVEY	DATE
SURVEYED	02/02
NOTE BOOK	ARR
TEMPLATE	NET
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	02/03
NOTE BOOK	ARR
TEMPLATE	02/03
AREAS CHECKED	
NO.	

PLOT DATE = 12/86
 FILE NAME = ZK4385M.DGN
 PLOT SCALE = 1" = 5'
 USER NAME = ARR

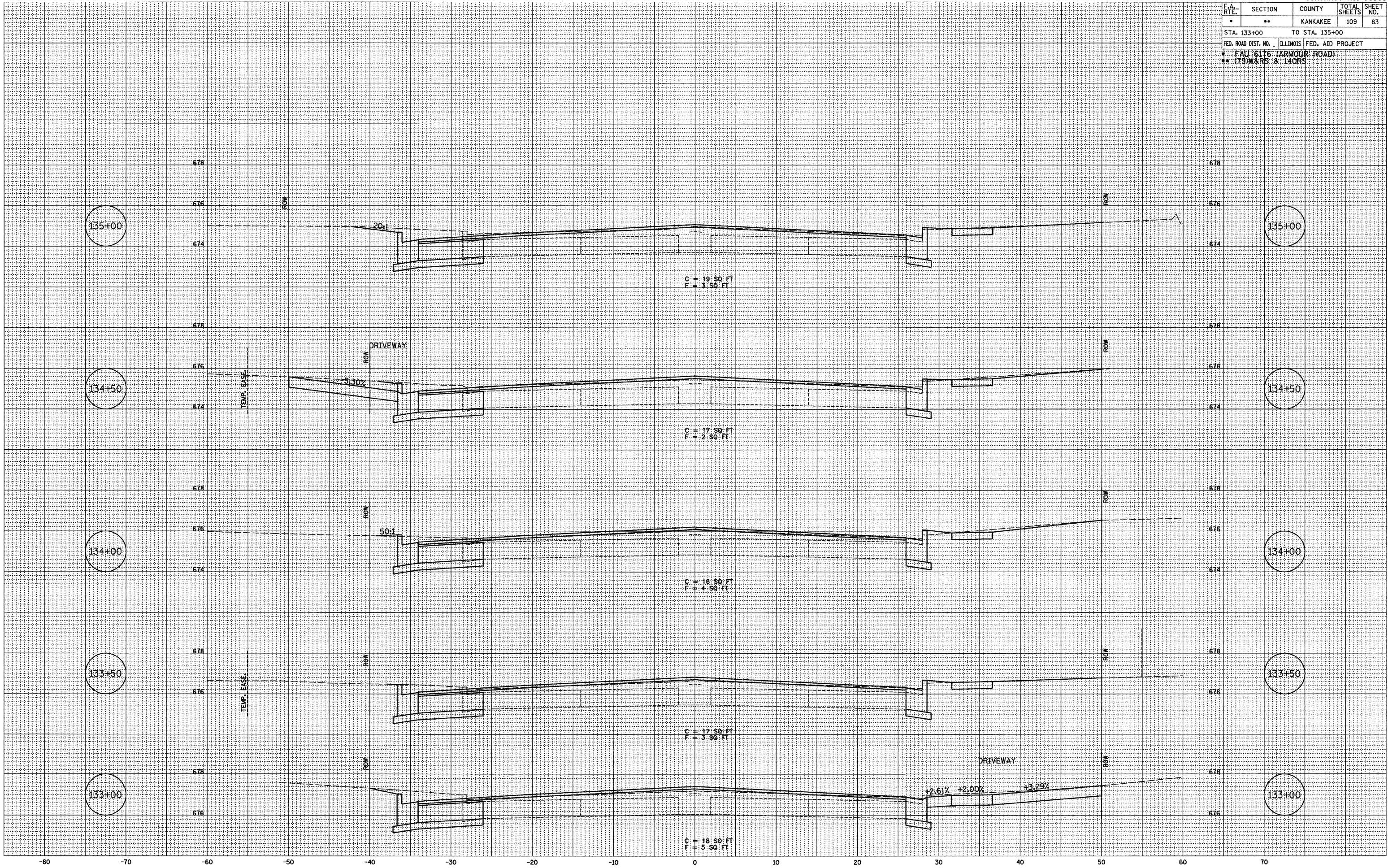


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	83
STA. 133+00		TO STA. 135+00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FAU 6176 (ARMOUR ROAD)				
** (79)W&RS & 14ORS				

BY	DATE
SURVEYED	12/03
NOTE BOOK	02/03
TEMPLATE	ARR
AREAS CHECKED	ARR
NO.	08/05
	09/05

BY	DATE
CHAMIN	12/03
JIC	02/03
ARR	07/03

PLOT DATE = 12/06
 FILE NAME = ZR4395ANLDGN
 PLOT SCALE = 1" = 5'
 USER NAME = ARR



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	84

STA. 135+50 TO STA. 138+00
 ILLINOIS FED. AID PROJECT
 FAU 6176 (ARMOUR ROAD)
 (79)W&RS & 14ORS

FINAL SURVEY

BY	DATE
SURVEYED	
NOTE BOOK	
NO.	

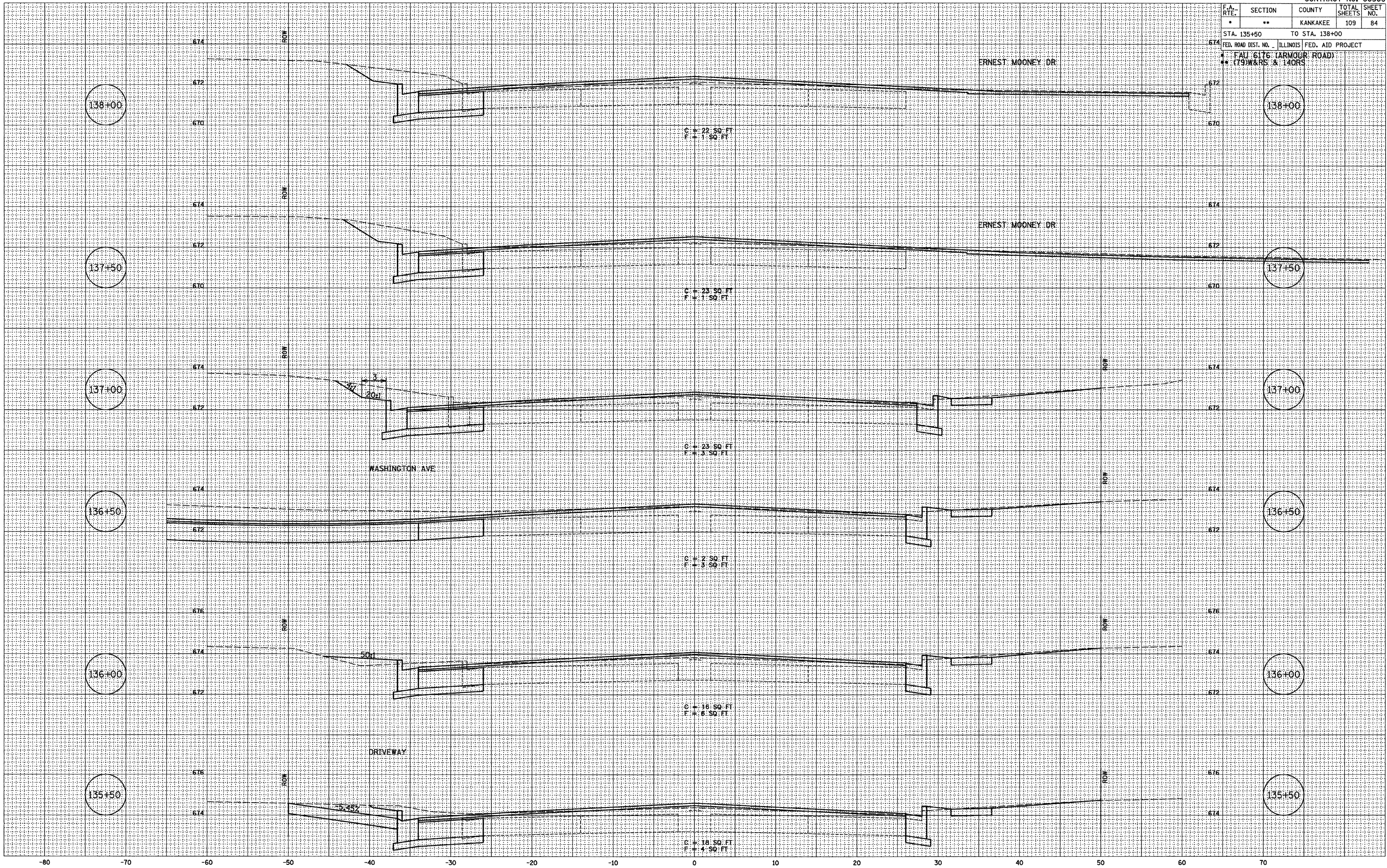
TEMP. DATE
 AREAS CHECKED
 NET

ORIGINAL SURVEY

BY	DATE
CHAMIN	12/02
JIC	02/03
ARR	07/03

TEMP. DATE
 AREAS CHECKED

PLOT DATE = 12/06
 FILE NAME = Z94388M.DGN
 PLOT SCALE = 1" = 5'
 USER NAME = ARR

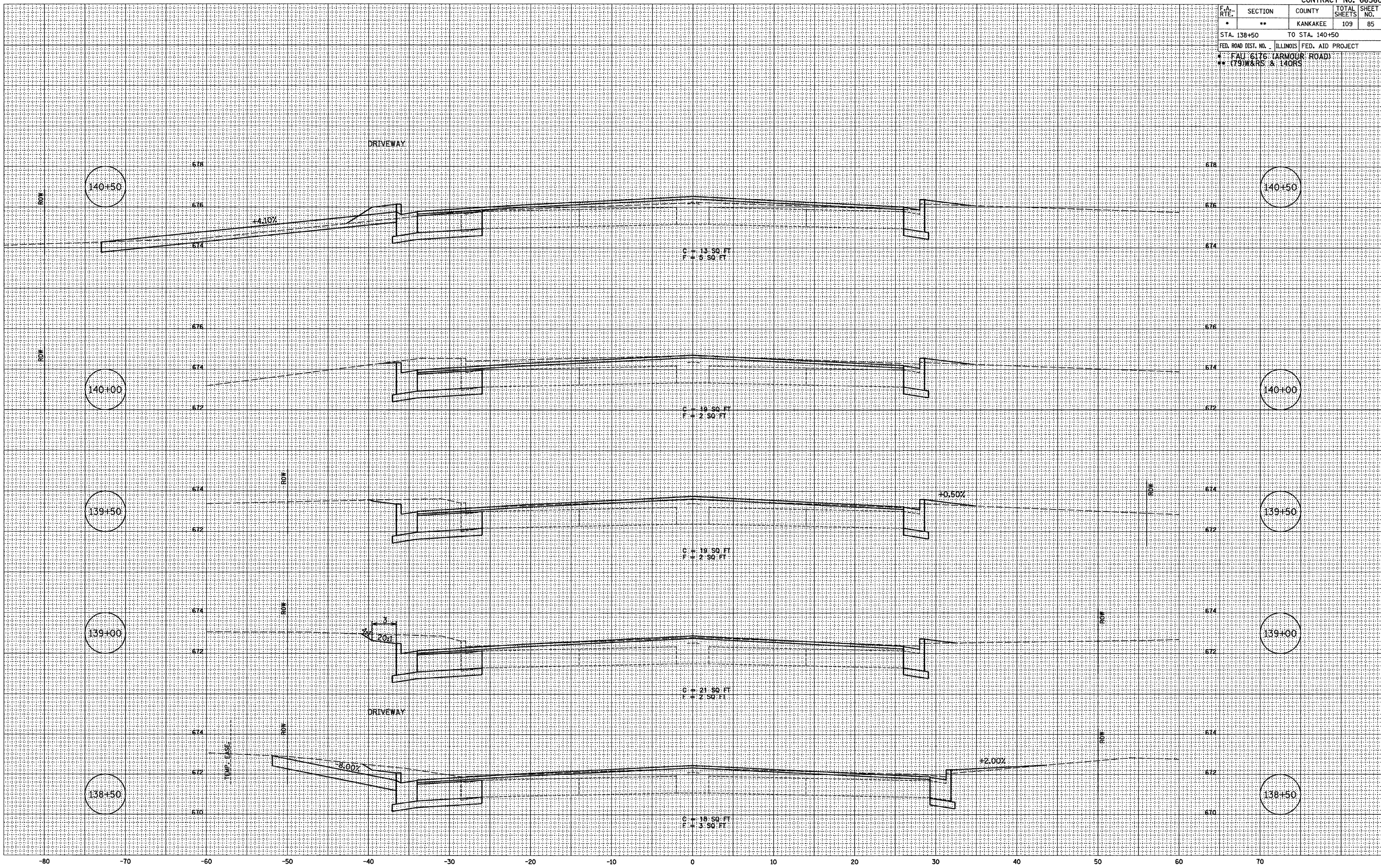


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	85
STA. 138+50		TO STA. 140+50		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FAU 6176 (ARMOUR ROAD)				
** (79W&RS & 14ORS)				

FINAL SURVEY	BY	DATE
NO. _____	_____	____/____/____
AREAS CHECKED	ARR	NET
NO. _____	_____	____/____/____

ORIGINAL SURVEY	BY	DATE
NO. _____	_____	____/____/____
AREAS CHECKED	ARR	NET
NO. _____	_____	____/____/____

PLOT DATE = 12/06
 FILE NAME = Z9438MMLDGN
 PLOT SCALE = 1" = 5'
 USER NAME = ARR

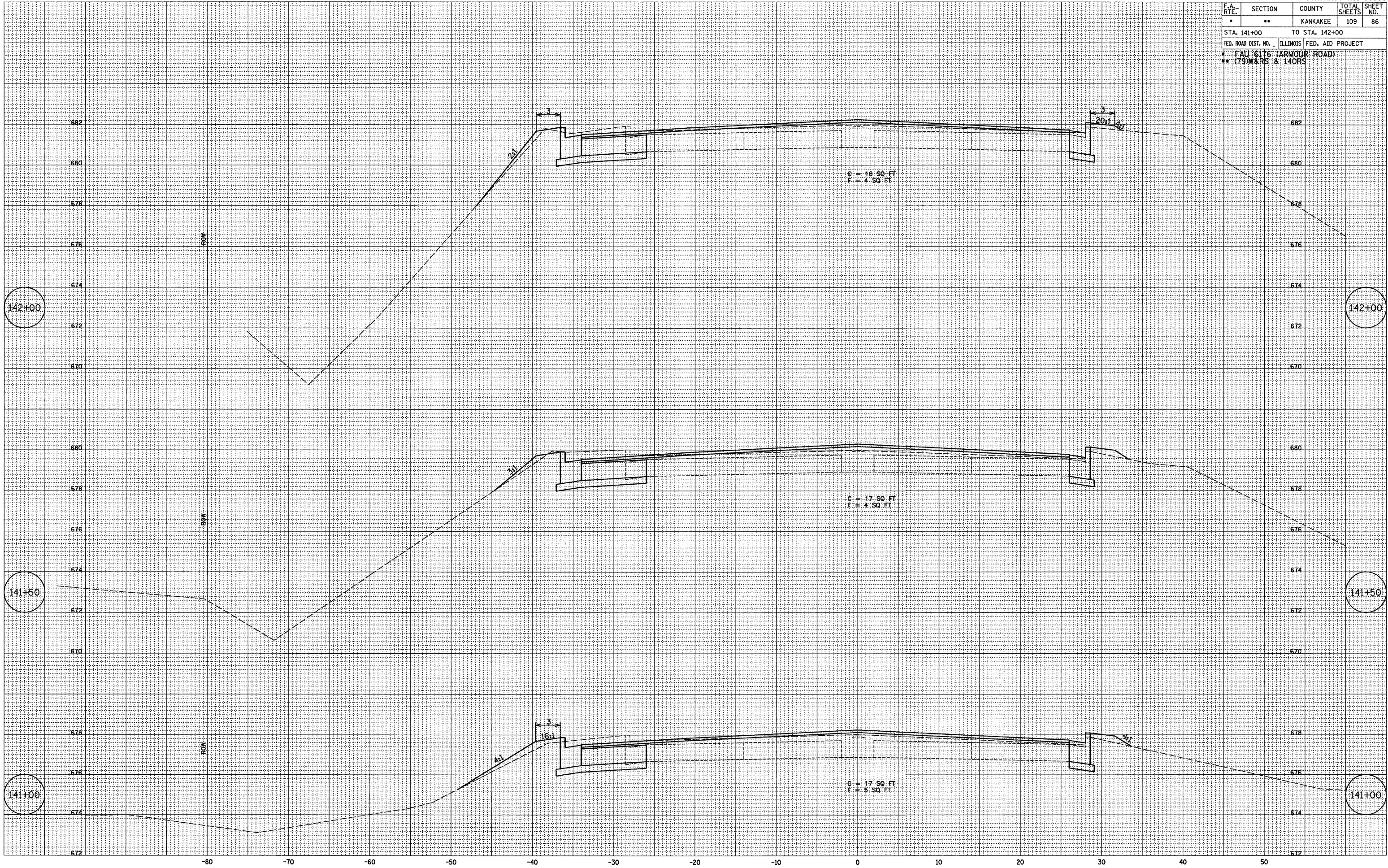


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	86
STA. 141+00		TO STA. 142+00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FAU 6176 (ARMOUR ROAD)				
** (79)W&RS & 14ORS				

BY	DATE
SURVEYED	12/03
NOTE BOOK	02/03
TEMPLATE	07/03
AREAS CHECKED	
NO.	

BY	DATE
CHAMLIN	12/03
JAC	02/03
ARR	07/03
AREAS CHECKED	
NO.	

PLOT DATE = 12/06
 FILE NAME = ZR4385M.DGN
 PLOT SCALE = 1" = 5'
 USER NAME = ARR

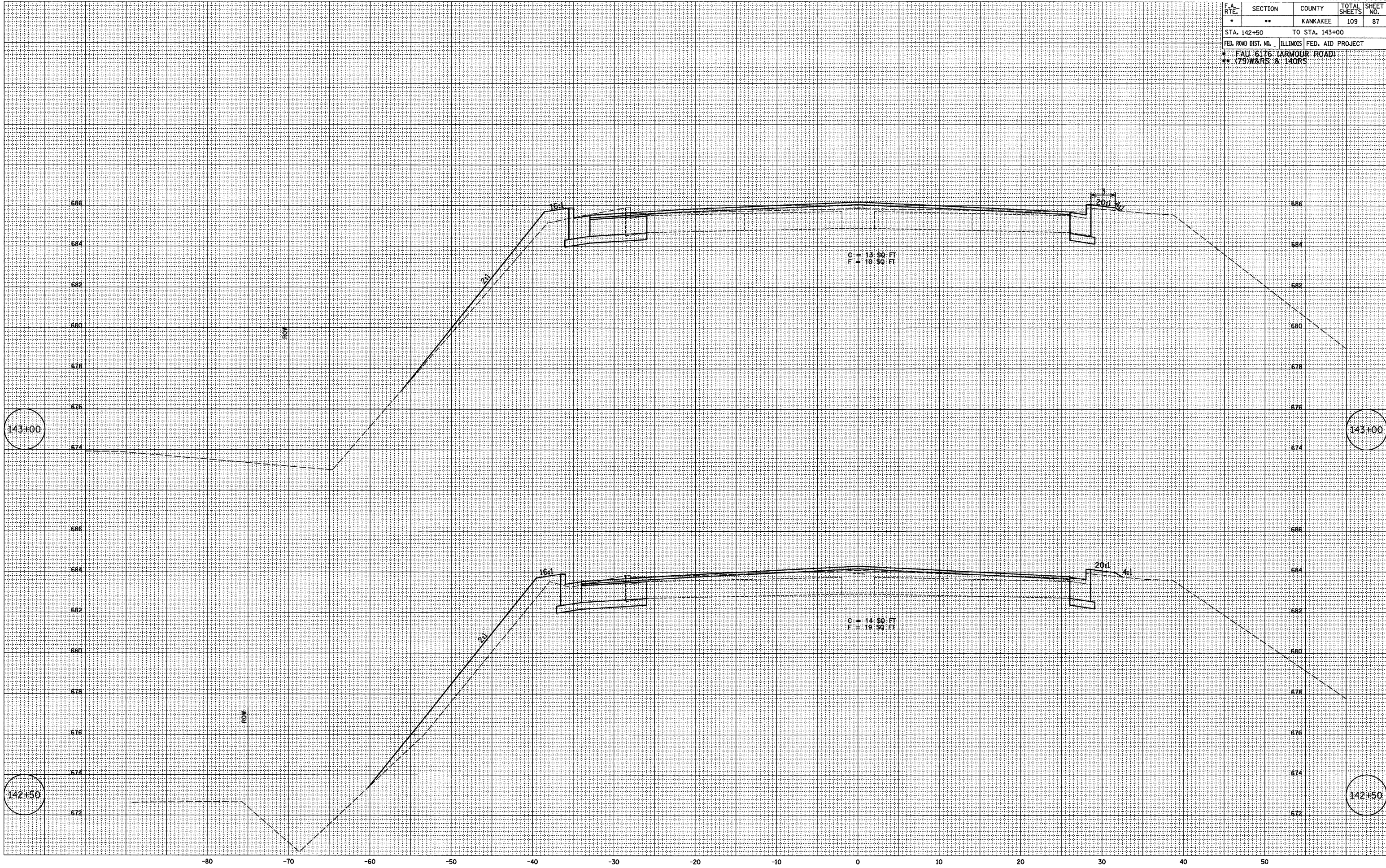


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	87
STA. 142+50		TO STA. 143+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* FAU: 6176 (ARMOUR ROAD)				
** (79)W&RS & 14ORS				

FINAL SURVEY	BY	DATE
NOTE BOOK NO.	ARR	08/03
AREAS CHECKED	NET	09/06

ORIGINAL SURVEY	BY	DATE
NOTE BOOK NO.	ARR	07/03
AREAS CHECKED	NET	07/03

PLOT DATE = 12/06
 FILE NAME = ZK4395MHLDN
 PLOT SCALE = 1" = 5'
 USER NAME = ARR

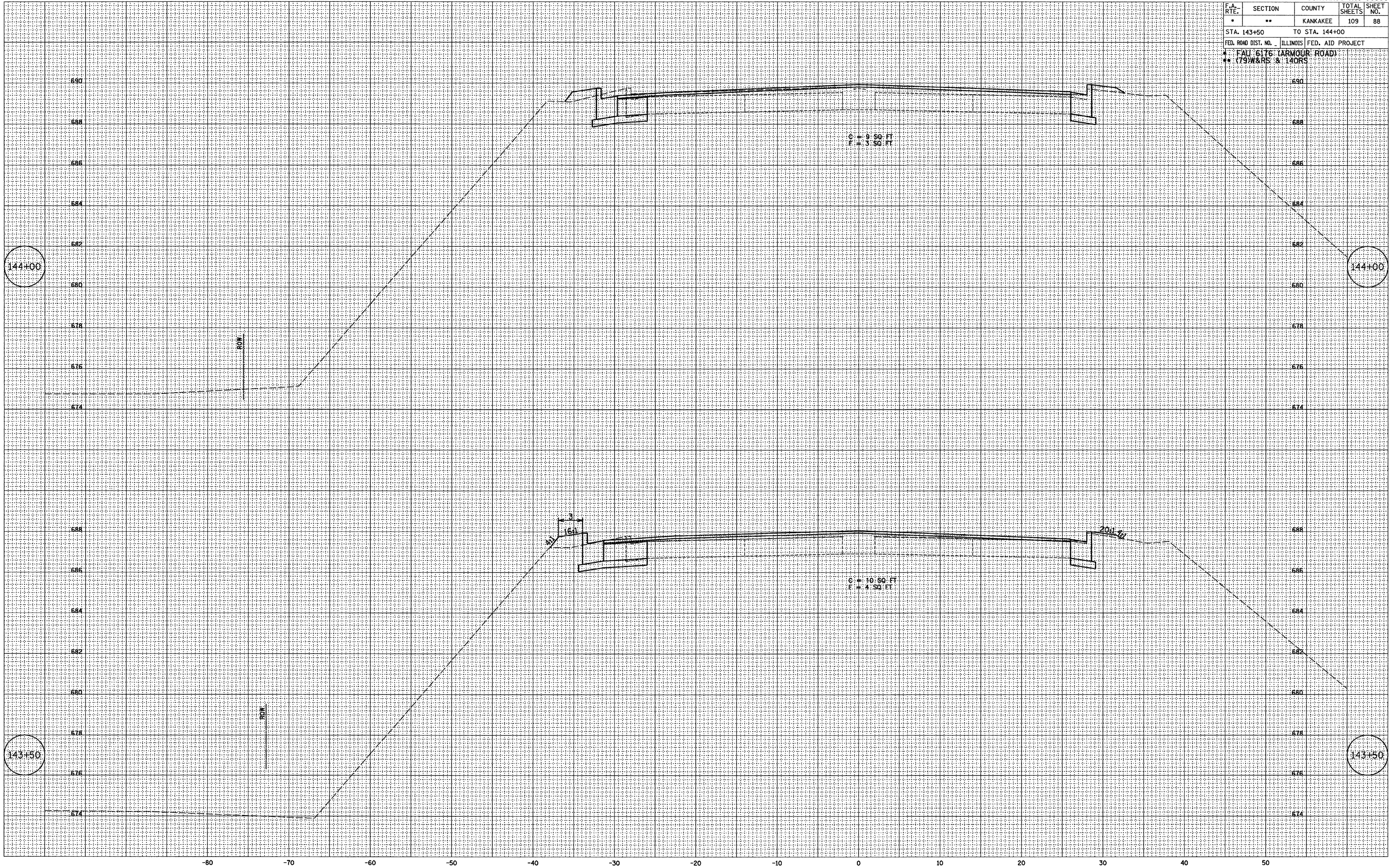


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	88
STA. 143+50		TO STA. 144+00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FAU 6176 (ARMOUR ROAD)				
** (79)W&RS & 14ORS				

FINAL SURVEY	BY	DATE
SURVEYED		
NOTE BOOK		
NO.		
TEMPLATE		
AREAS CHECKED		
ARR		08/08
NET		09/08

ORIGINAL SURVEY	BY	DATE
SURVEYED	CHAMIN	12/06
NOTE BOOK	JAC	02/03
NO.	ARR	07/03
TEMPLATE		
AREAS CHECKED		

PLOT DATE = 12/06
 FILE NAME = ZK4395X.MXD
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 USER NAME = ARR

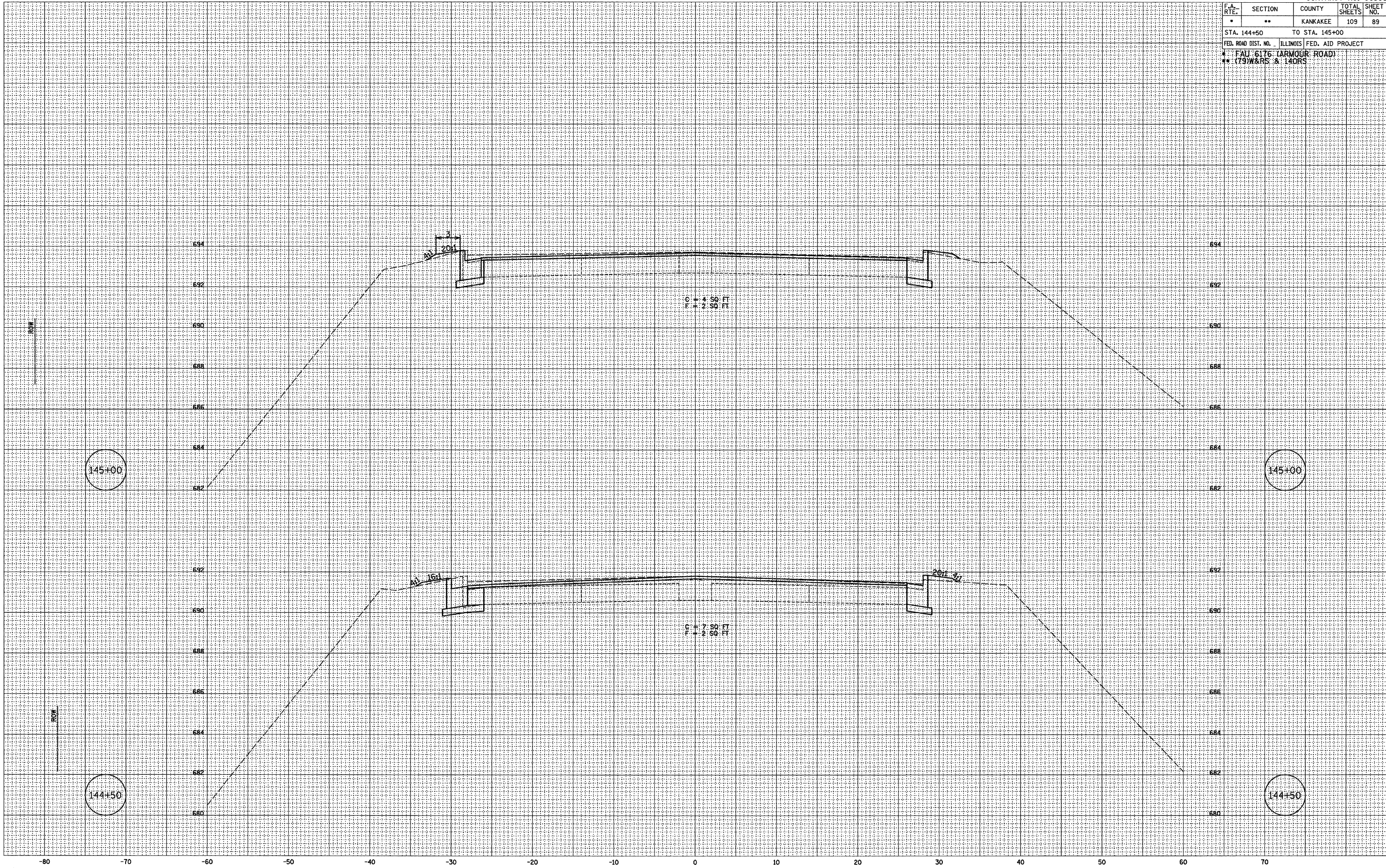


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	89
STA. 144+50		TO STA. 145+00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FAU 6176 (ARMOUR ROAD)				
** (79W&RS & 14ORS)				

FINAL SURVEY	DATE
NOTE BOOK	BY
NO.	NO.
AREAS CHECKED	AREAS CHECKED
ARR	ARR
NET	NET

ORIGINAL SURVEY	DATE
NOTE BOOK	BY
NO.	NO.
AREAS CHECKED	AREAS CHECKED
ARR	ARR
NET	NET

PLOT DATE = 12/86
 FILE NAME = ZK4385XHL08N
 PLOT SCALE = 1" = 5'
 USER NAME = ARR

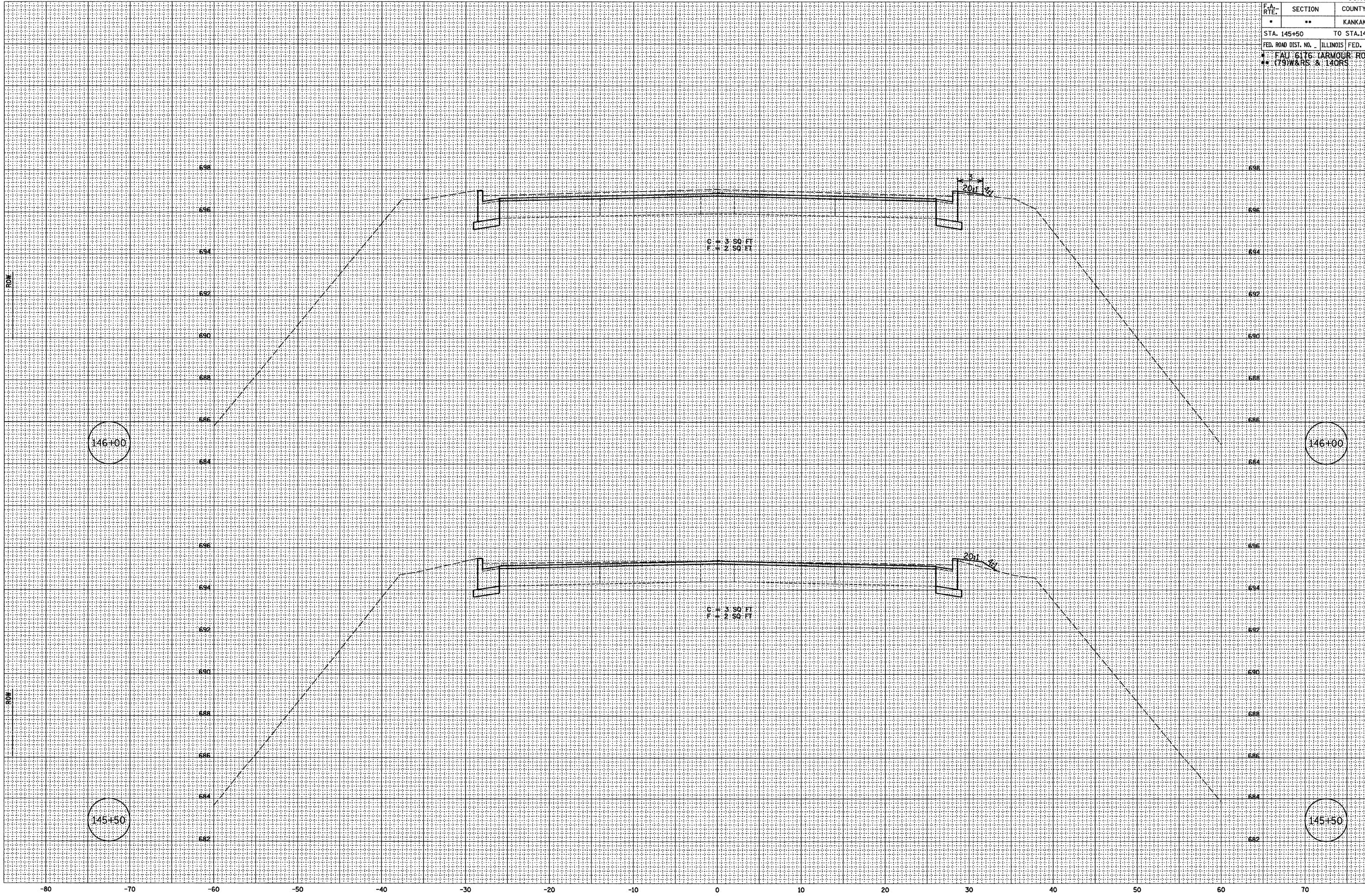


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	90
STA. 145+50		TO STA. 146+00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FAU 6176 (ARMOUR ROAD)				
** (79W&RS & 14ORS)				

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

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

PLOT DATE = 12/06
 FILE NAME = ZR4385MHDGN
 PLOT SCALE = 1" = 5'
 USER NAME = ARR

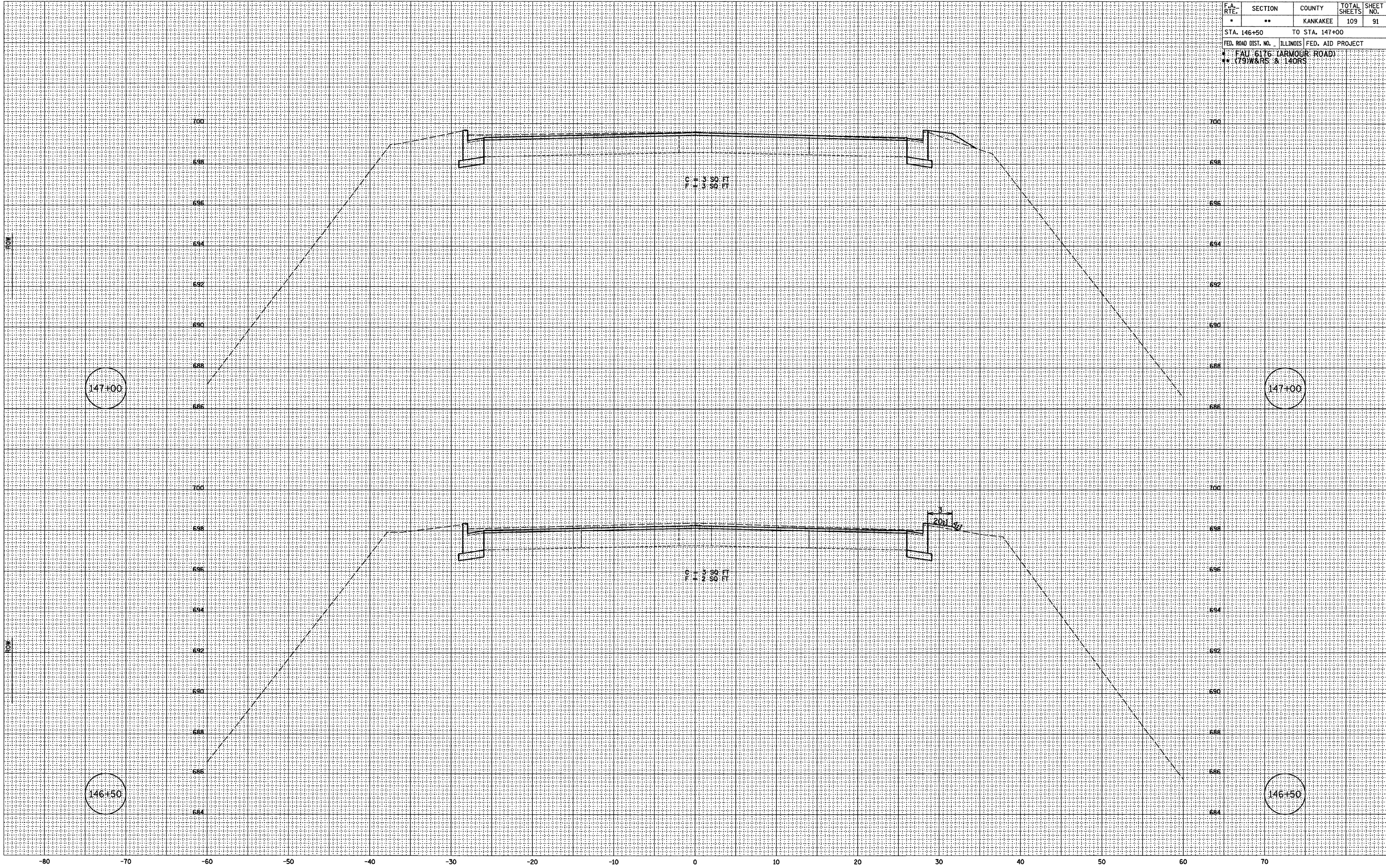


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	91
STA. 146+50		TO STA. 147+00		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FAU 6176 (ARMOUR ROAD)				
** (79)W&RS & 14ORS				

FINAL SURVEY	BY	DATE
NOTE BOOK NO.	ARR	08/05
AREAS CHECKED	NET	09/05

ORIGINAL SURVEY	BY	DATE
NOTE BOOK NO.	ARR	07/03
AREAS CHECKED		

PLOT DATE = 12/06
 FILE NAME = Z94393MILDEN
 PLOT SCALE = 1" = 5'
 USER NAME = ARR

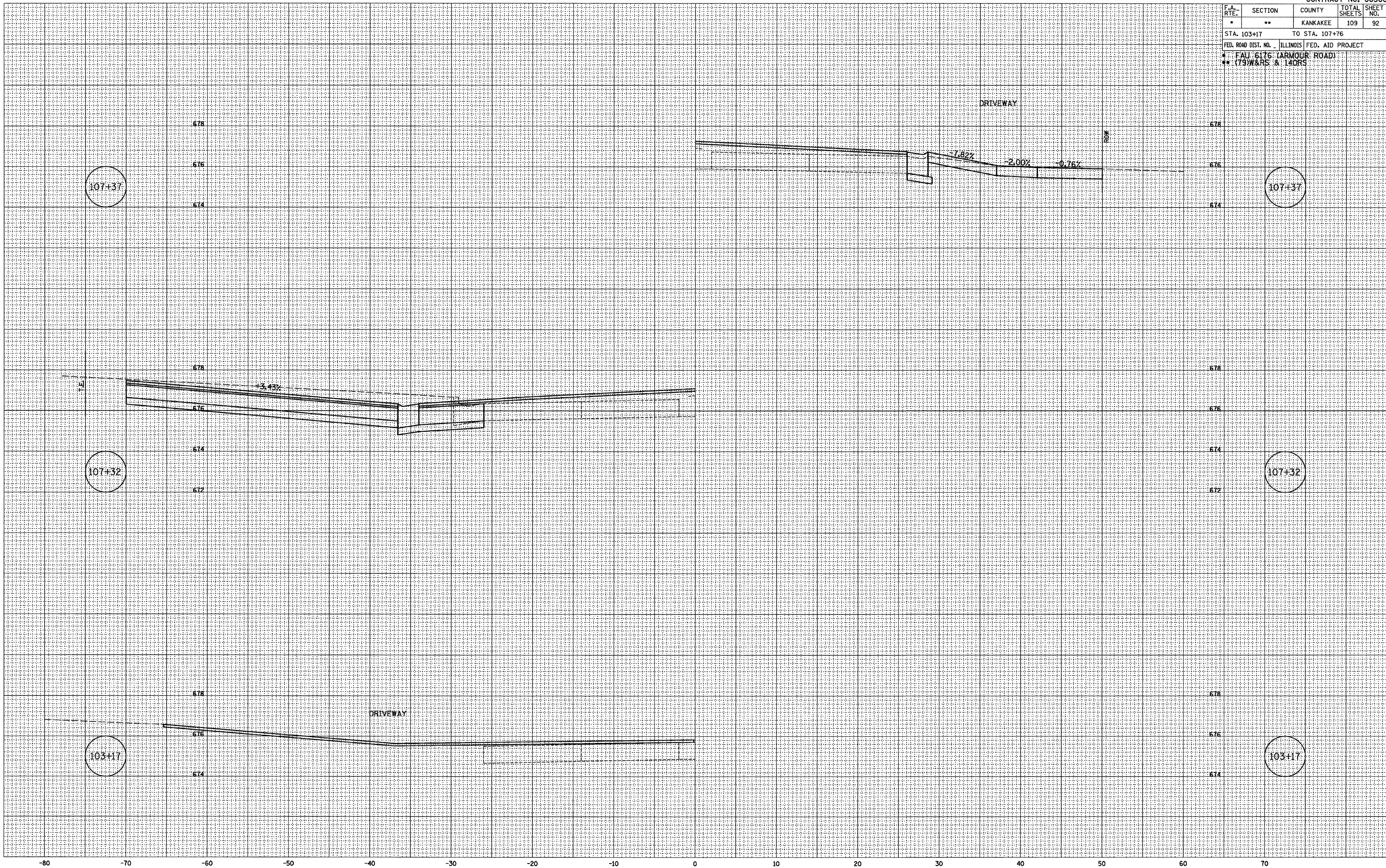


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	92
STA. 103+17		TO STA. 107+76		
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				
* FAU 6176 (ARMOUR ROAD)				
** (79W&RS & 14ORS)				

FINAL SURVEY	DATE	BY
SURVEYED	08/05	AMR
NOTE BOOK		NET
NO.		

ORIGINAL SURVEY	DATE	BY
SURVEYED	02/03	AMR
NOTE BOOK		AMR
NO.		

PLOT DATE = 12/06
 FILE NAME = 284385M1.DGN
 PLOT SCALE = 1" = 5'
 USER NAME = AMR

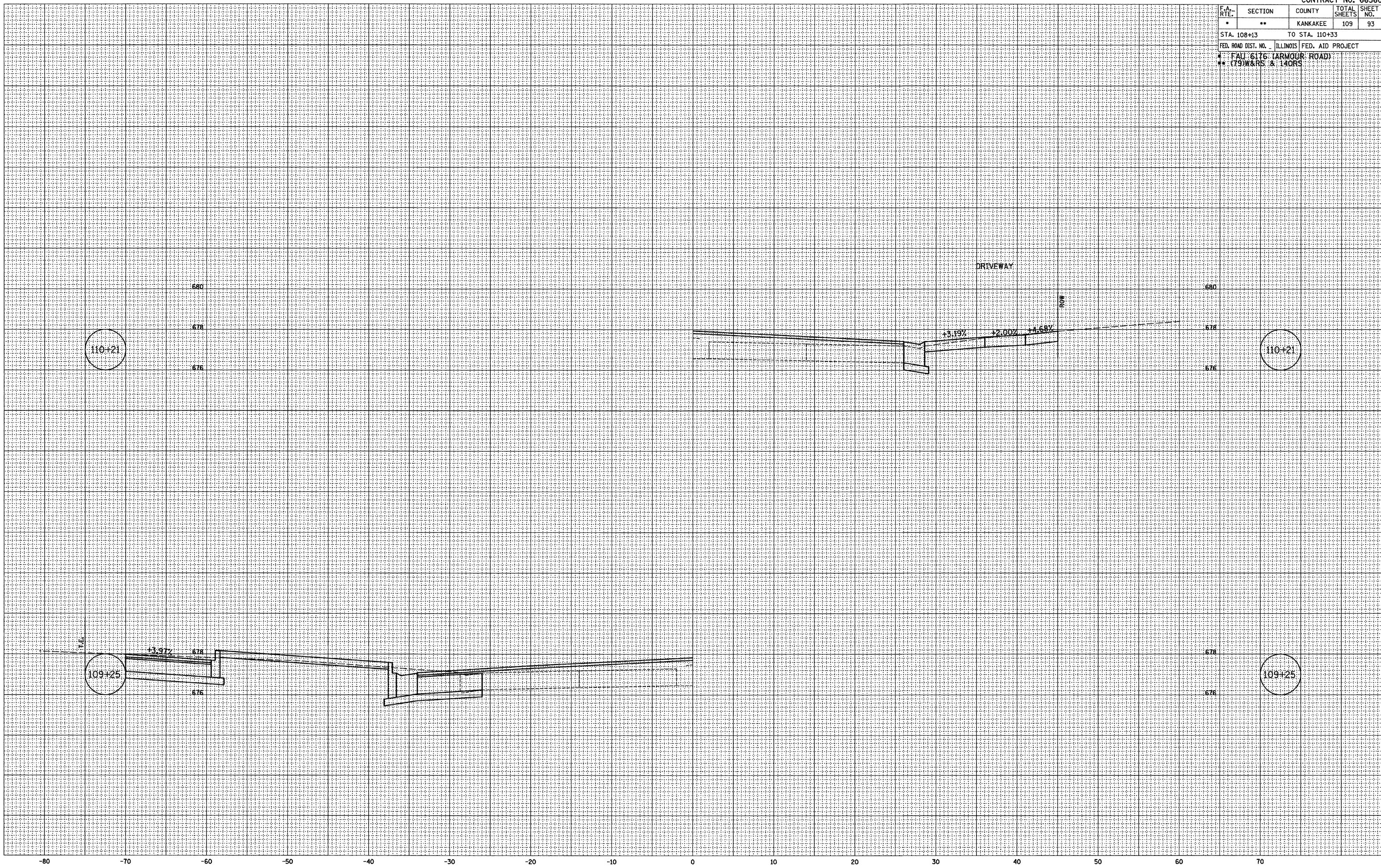


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	93
STA. 108+13		TO STA. 110+33		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FAU 6176 (ARMOUR ROAD)				
** (79W&RS & 14ORS)				

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

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

PLOT DATE = 12/06
 FILE NAME = ZK4395WALDON
 PLOT SCALE = 1" = 2'
 USER NAME = ARR

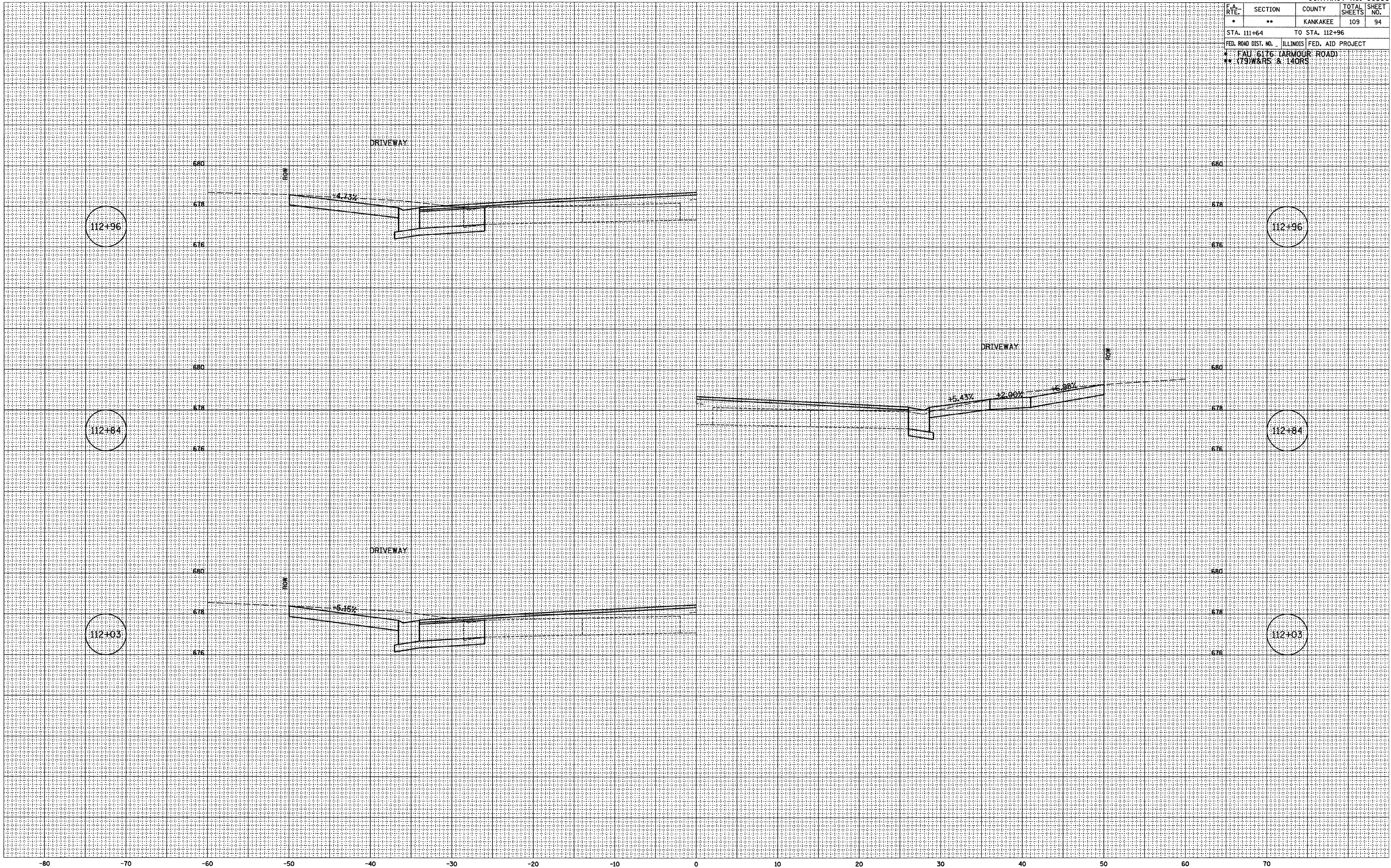


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	94
STA. 111+64		TO STA. 112+96		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FAU 6176 (ARMOUR ROAD)				
** (79W&RS & 14ORS)				

FINAL SURVEY	DATE
SURVEYED	08/05
NOTE BOOK	08/05
NO.	09/05

ORIGINAL SURVEY	DATE
SURVEYED	07/03
NOTE BOOK	07/03
NO.	07/03

PLOT DATE = 12/06
 FILE NAME = ZK4385M1.DGN
 PLOT SCALE = 1" = 5'
 USER NAME = AFR



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	95

STA. 114+17 TO STA. 115+88
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 FAU 6176 (ARMOUR ROAD)
 (79)W&RS & 14ORS

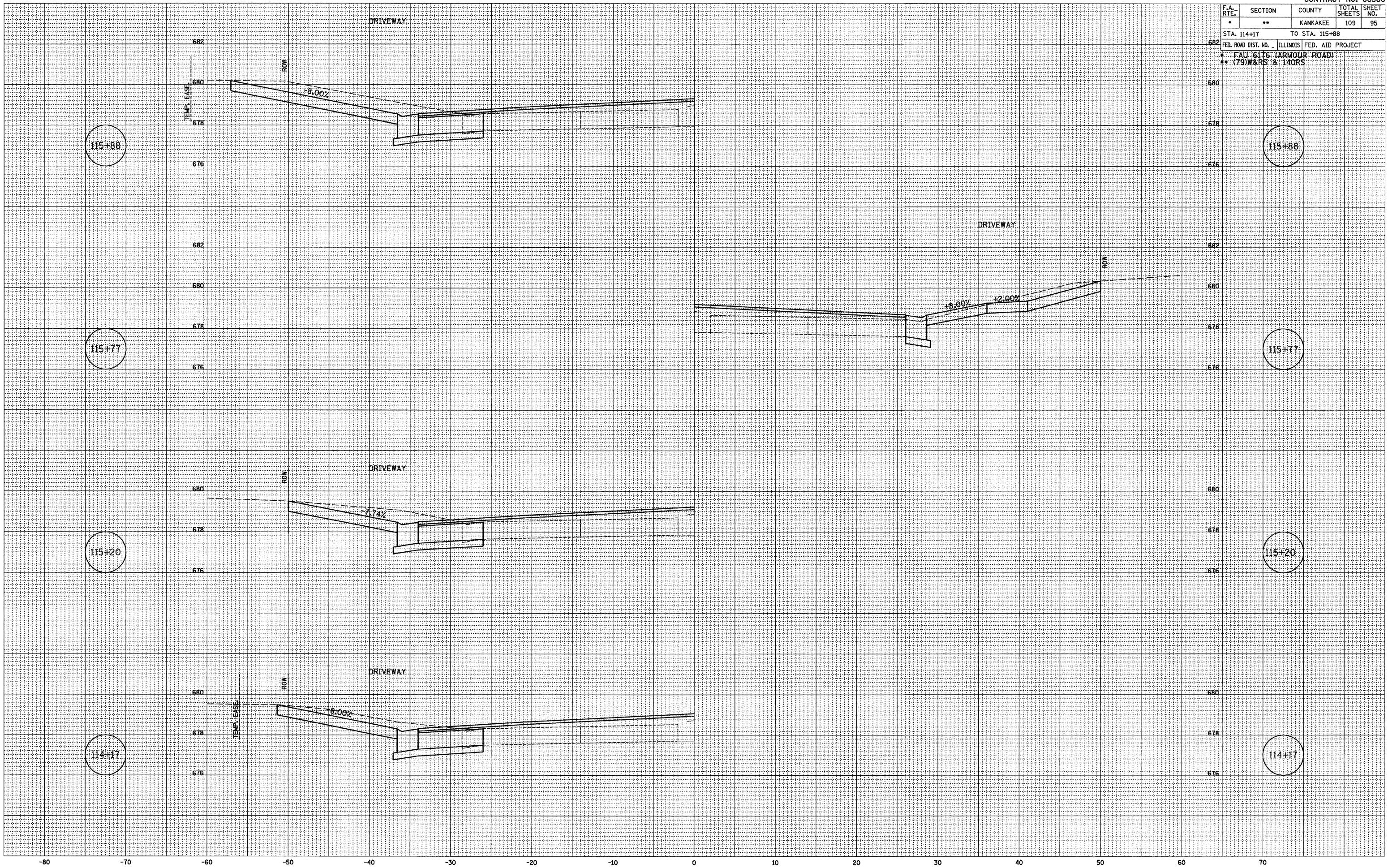
FINAL SURVEY

BY	DATE
SURVEYED	12/02
NOTE BOOK	02/03
TEMPLATE	07/03
AREAS	
AREAS CHECKED	08/05
NET	09/05

ORIGINAL SURVEY

BY	DATE
CHAMIN	12/02
JIC	02/03
ARR	07/03
AREAS	
AREAS CHECKED	

PLOT DATE = 12/06
 FILE NAME = ZR4365MLDGN
 PLOT SCALE = 1" = 5'
 USER NAME = ARR



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	96

STA. 116+18 TO STA. 117+44
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 FAU 6176 (ARMOUR ROAD)
 (79)W&RS & 14ORS

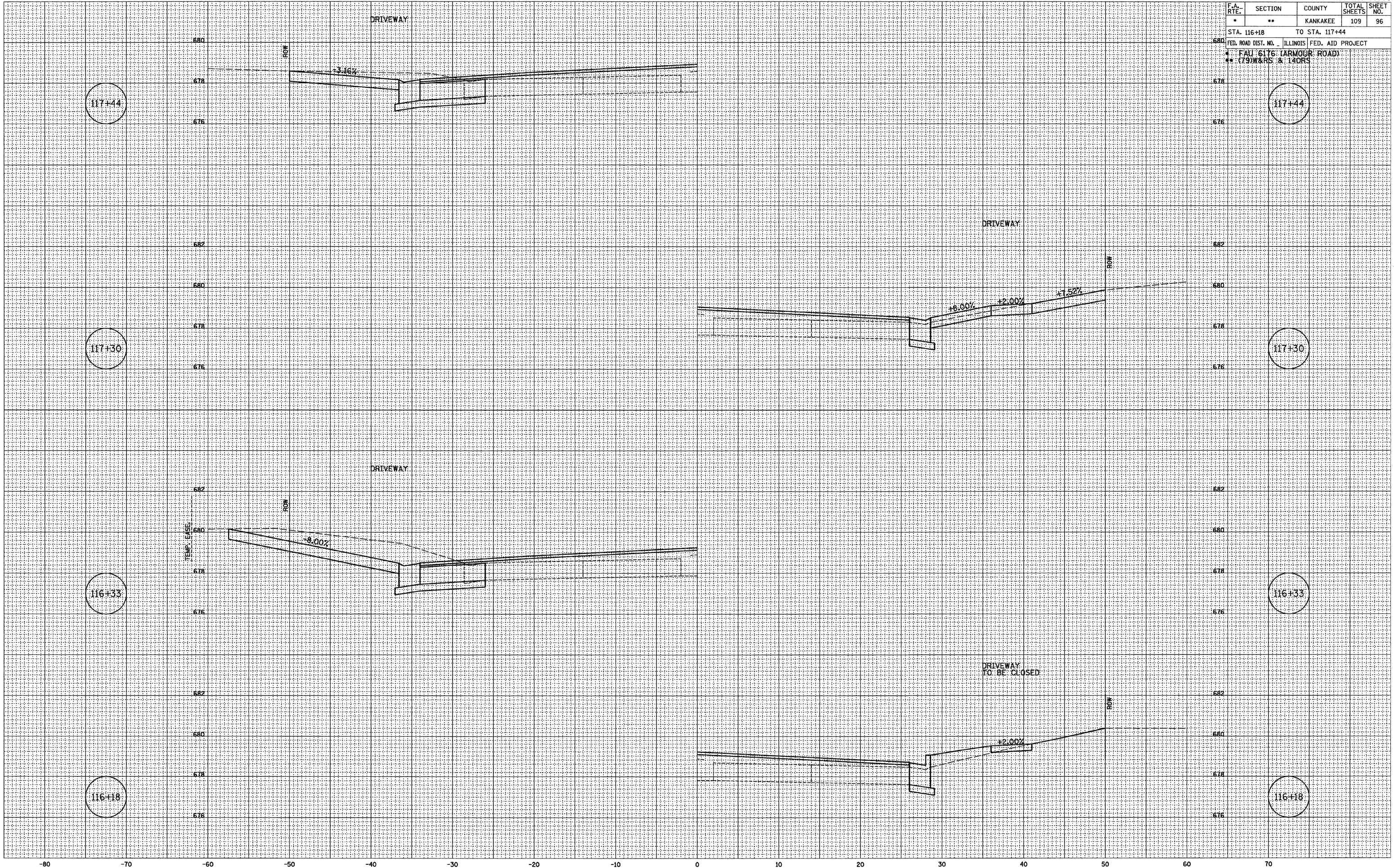
FINAL SURVEY

BY	DATE
SURVEYED	12/02
NOTE BOOK	02/03
TEMPLATE	ARR
AREAS CHECKED	NET
NO.	08/05
	09/05

ORIGINAL SURVEY

BY	DATE
CHAMIN	12/02
JAC	02/03
ARR	07/03
AREAS CHECKED	
NO.	

PLOT DATE = 12/06
 FILE NAME = ZKA385ANLDGN
 PLOT SCALE = 1" = 5'
 USER NAME = ARR



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	97

STA. 117+76 TO STA. 119+55
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 FAU 6176 (ARMOUR ROAD)
 (79)W&RS & 14ORS

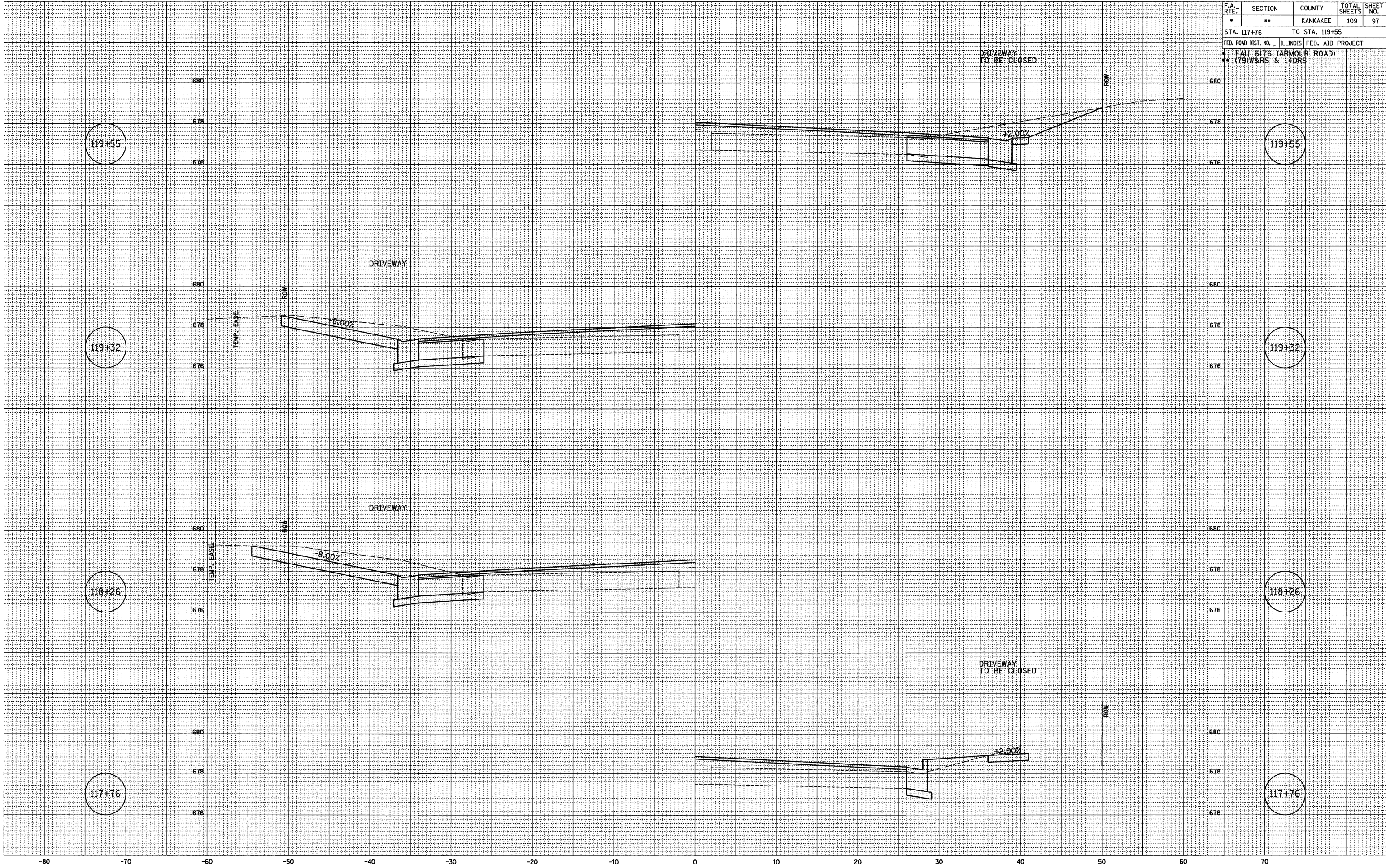
DATE	BY
12/03	ARR
08/03	ARR
09/03	NET

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

DATE	BY
12/03	ARR
07/03	ARR

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

PLOT DATE = 12/06
 FILE NAME = ZR4395M.DGN
 PLOT SCALE = 1" = 5'
 USER NAME = ARR



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	98

STA. 119+98 TO STA. 121+34
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 * FALL 6176 (ARMOUR ROAD)
 ** (79)W&RS & 14DRS

FINAL SURVEY

BY	DATE
SURVEYED	
NOTE BOOK	
NO.	

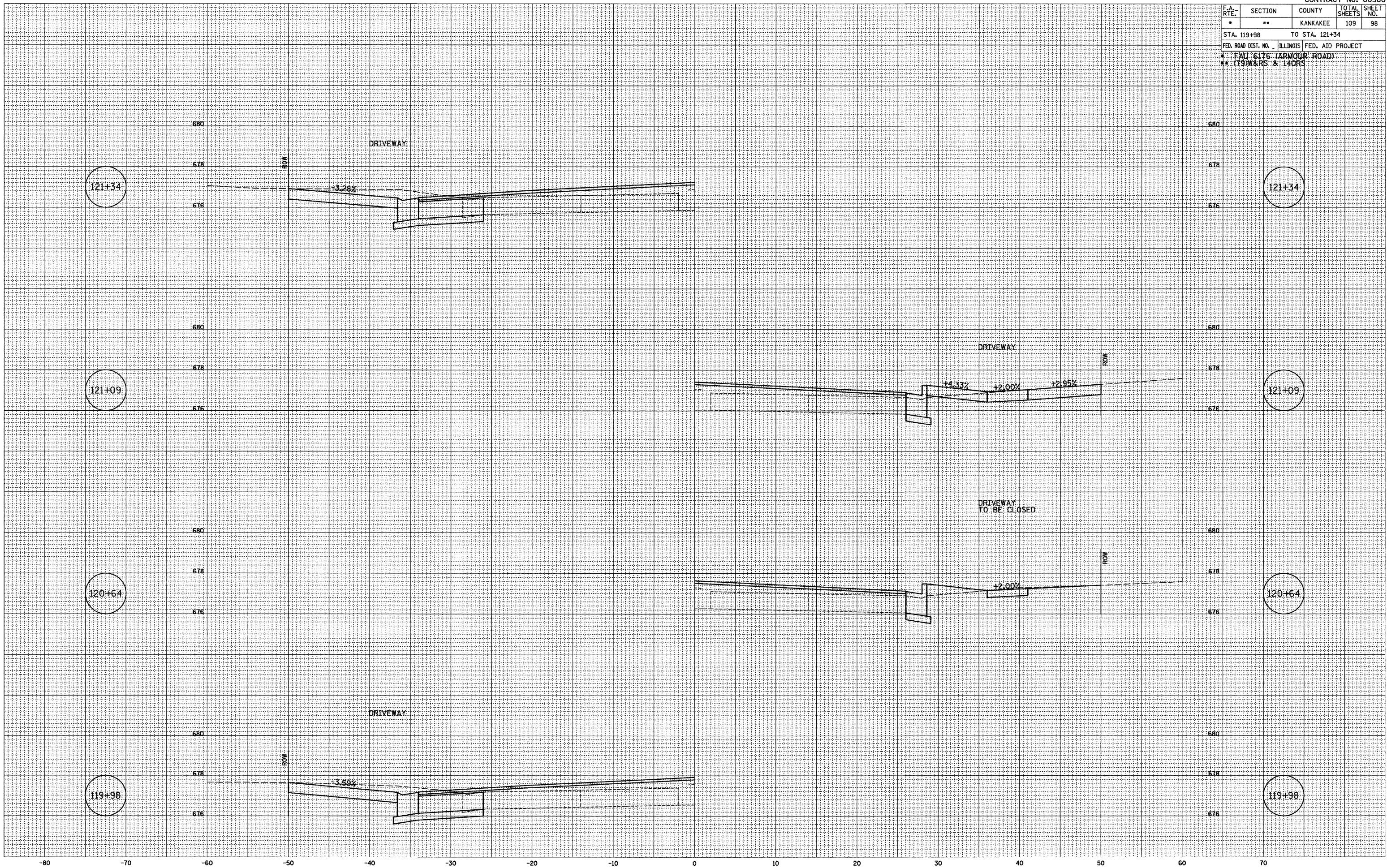
NO. _____

ORIGINAL SURVEY

BY	DATE
CHAMLIN	12/03
NO.	

NO. _____

PLOT DATE = 12/06
 FILE NAME = Z94383KALDEN
 PLOT SCALE = 1" = 5'
 USER NAME = ARR



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	99

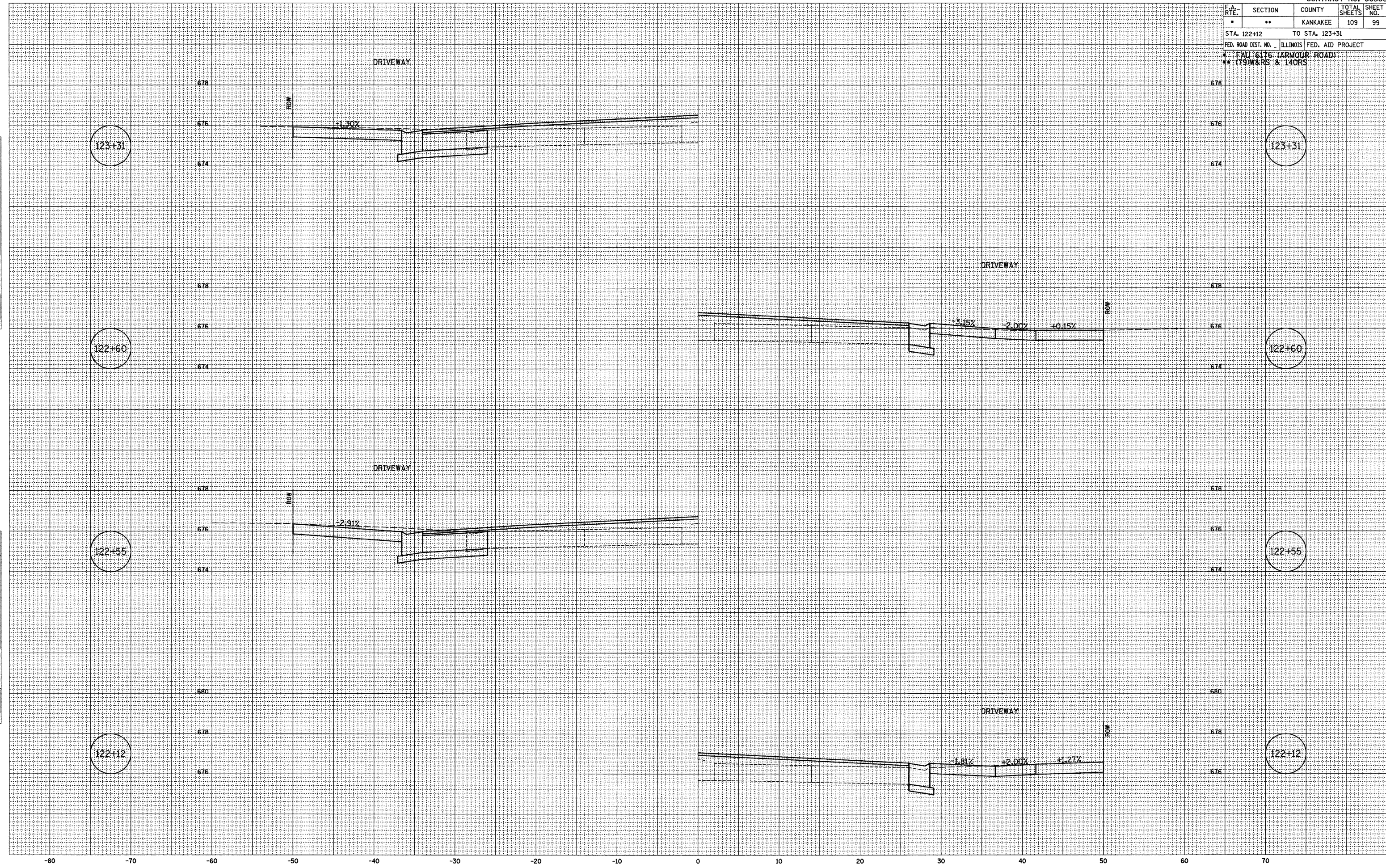
STA. 122+12 TO STA. 123+31
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

* FAU 6176 (ARMOUR ROAD)
 ** (79)W&RS & 14ORS

FINAL SURVEY	BY	DATE
NO. _____	_____	____/____/____

ORIGINAL SURVEY	BY	DATE
NO. _____	_____	____/____/____

PLOT DATE = 12/08
 FILE NAME = Z94980XKLDGN
 PLOT SCALE = 1" = 5'
 USER NAME = ARR

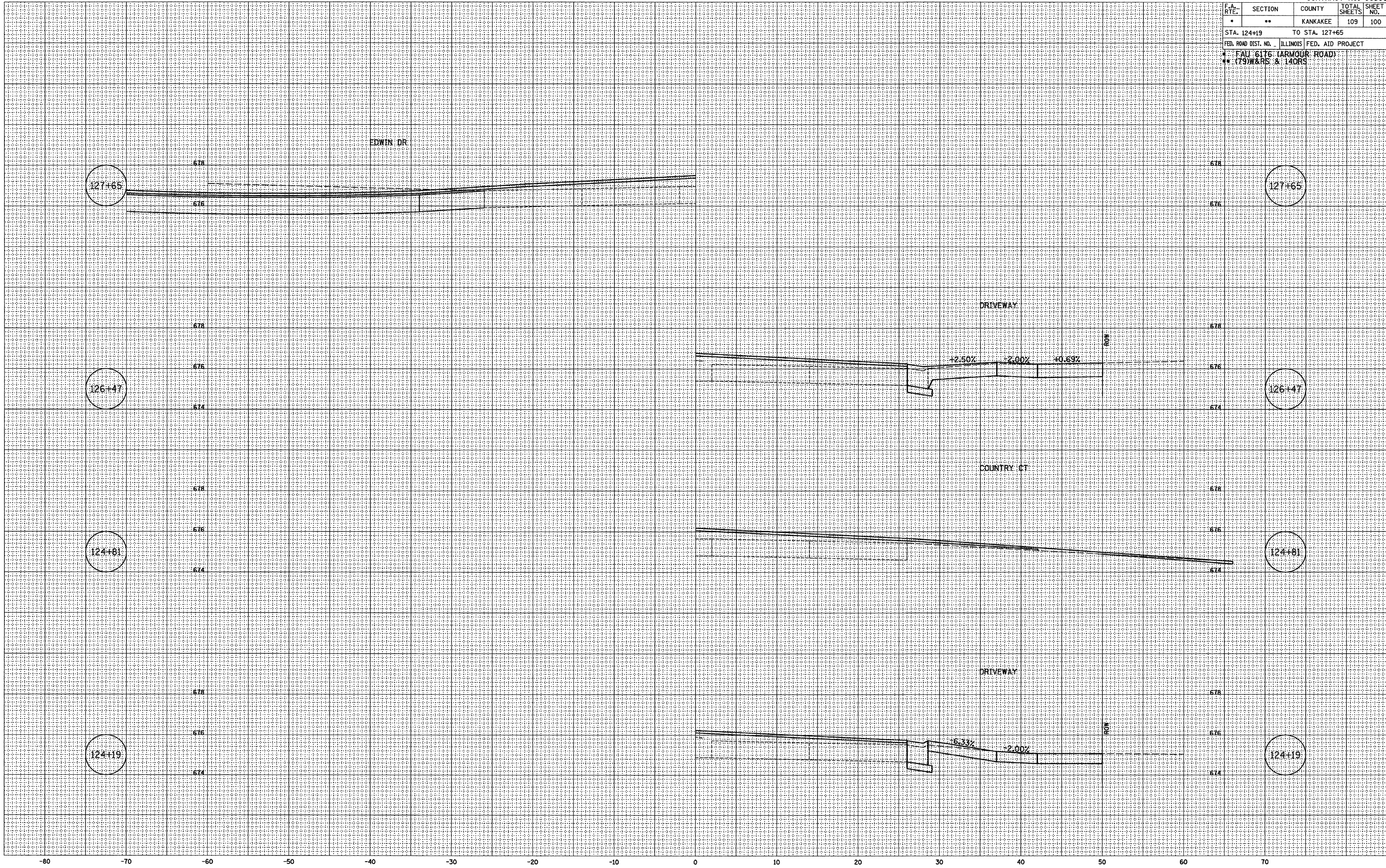


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	100
STA. 124+19		TO STA. 127+65		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* FAU 6176 (ARMOUR ROAD)				
** (79)W&RS & 14ORS				

BY	DATE
CHAMLIN	12/02
JIC	02/03
ARR	07/03
ARR	09/05
NET	09/05

BY	DATE
CHAMLIN	12/02
JIC	02/03
ARR	07/03
ARR	09/05
NET	09/05

PLOT DATE = 12/06
 FILE NAME = ZK4395MHL0N
 PLOT SCALE = 1" = 5'
 USER NAME = ARR

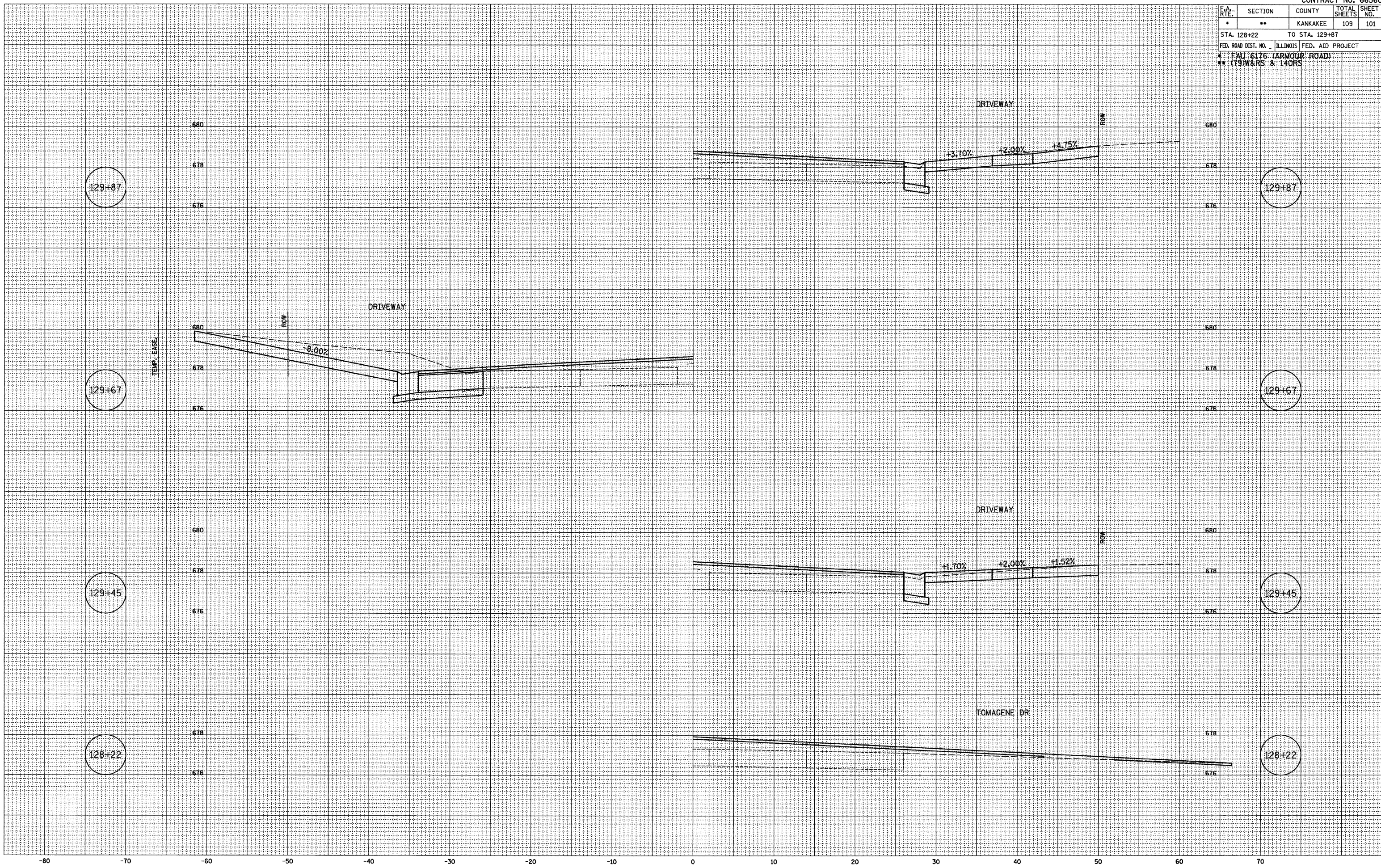


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	101
STA. 128+22		TO STA. 129+87		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FALL 6176 (ARMOUR ROAD)				
** (79)W&RS & 14DRS				

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

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

PLOT DATE = 12/06
 FILE NAME = ZK4385WHL09N
 PLOT SCALE = 1" = 5'
 USER NAME = ARR

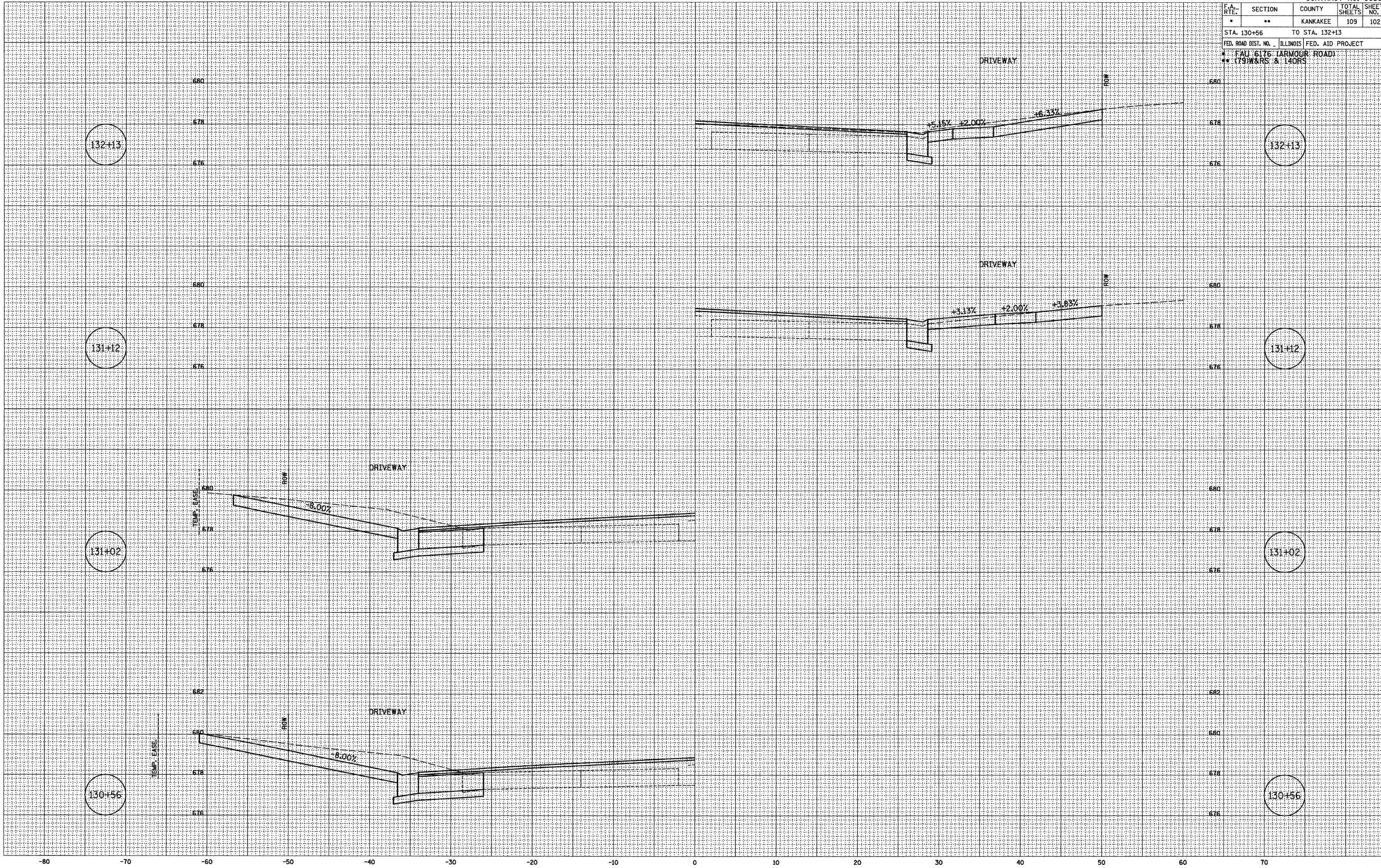


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	102
STA. 130+56		TO STA. 132+13		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FAU 6176 (ARMOUR ROAD)				
** (79)W&RS & 140RS				

FINAL SURVEY	DATE
SURVEYED	12/02
NOTE BOOK	02/03
NO.	07/03
BY	ARR
AREAS CHECKED	NET

ORIGINAL SURVEY	DATE
SURVEYED	12/02
NOTE BOOK	02/03
NO.	07/03
BY	ARR
AREAS CHECKED	NET

PLOT DATE = 12/06
 FILE NAME = Z843955M1.DGN
 PLOT SCALE = 1" = 5'
 USER NAME = ARR

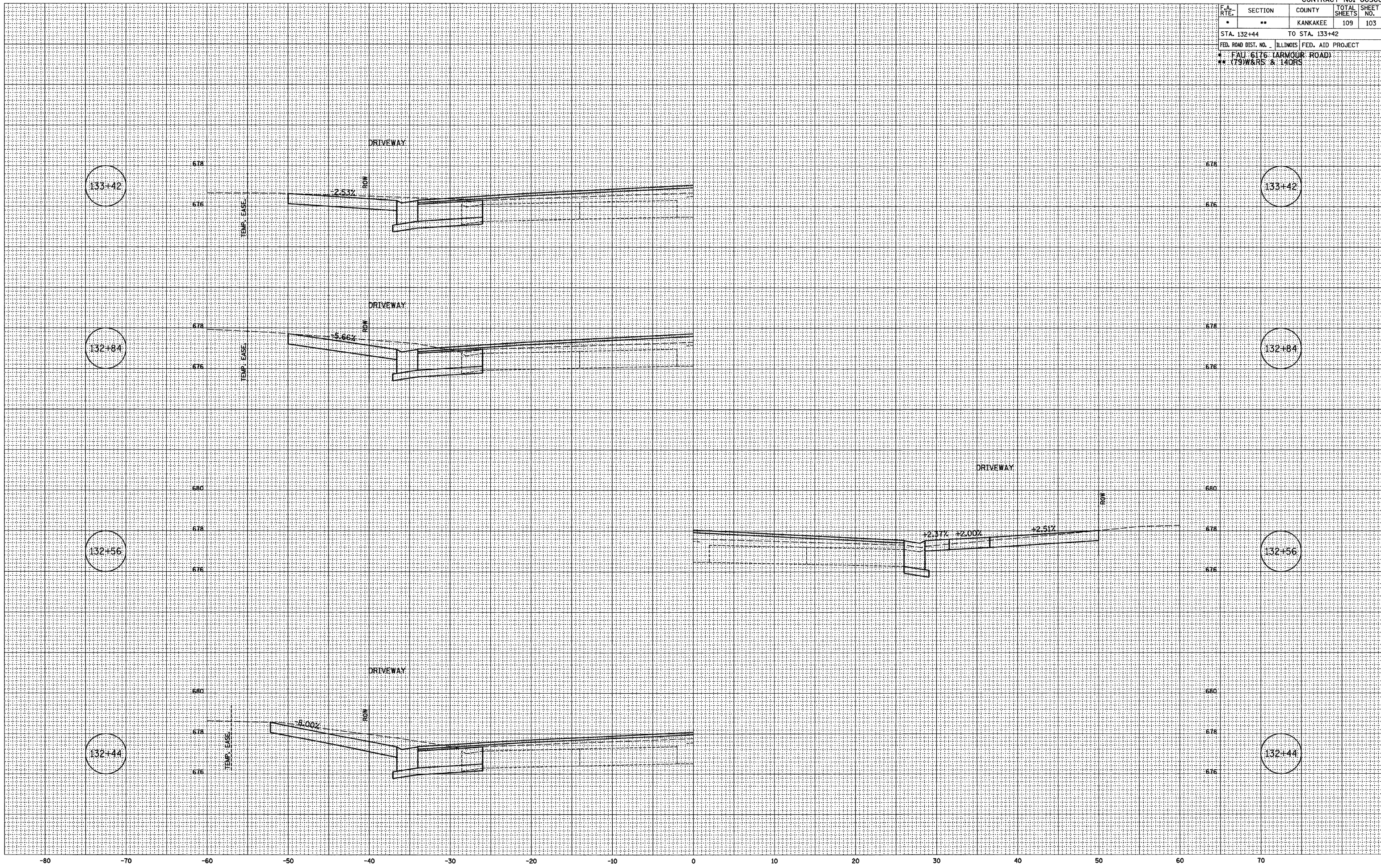


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	103
STA. 132+44		TO STA. 133+42		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FA# 6176 (ARMOUR ROAD)				
** (79W&RS & 14CRS)				

BY	DATE
CHAMLIN	12/02
WIK	02/03
ARR	09/05
NET	09/05

BY	DATE
CHAMLIN	12/02
WIK	02/03
ARR	07/03

PLOT DATE = 12/08
 FILE NAME = Z:\ASB\WILDON
 PLOT SCALE = 1" = 5'
 USER NAME = ARR

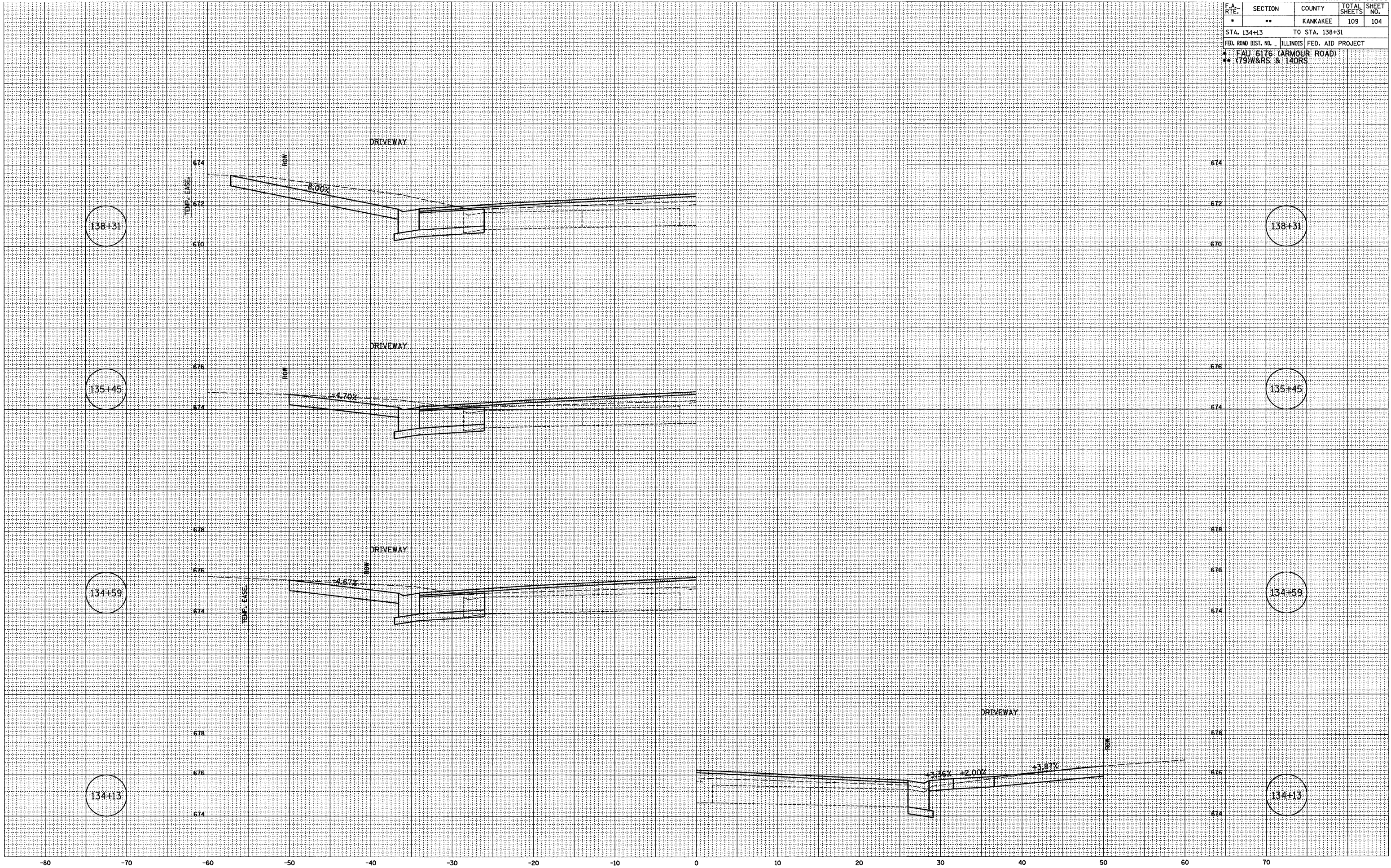


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	104
STA. 134+13		TO STA. 138+31		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FAU 6176 (ARMOUR ROAD)				
** (79)W&S & 14ORS				

FINAL SURVEY	BY	DATE
NO. _____	_____	____/____/____
NOTE BOOK	_____	_____
AREAS CHECKED	_____	_____
AREAS CHECKED	_____	_____

ORIGINAL SURVEY	BY	DATE
NO. _____	_____	____/____/____
NOTE BOOK	_____	_____
AREAS CHECKED	_____	_____
AREAS CHECKED	_____	_____

PLOT DATE = 12/06
 FILE NAME = 284395X.MXD
 PLOT SCALE = 1" = 5'
 USER NAME = ARR

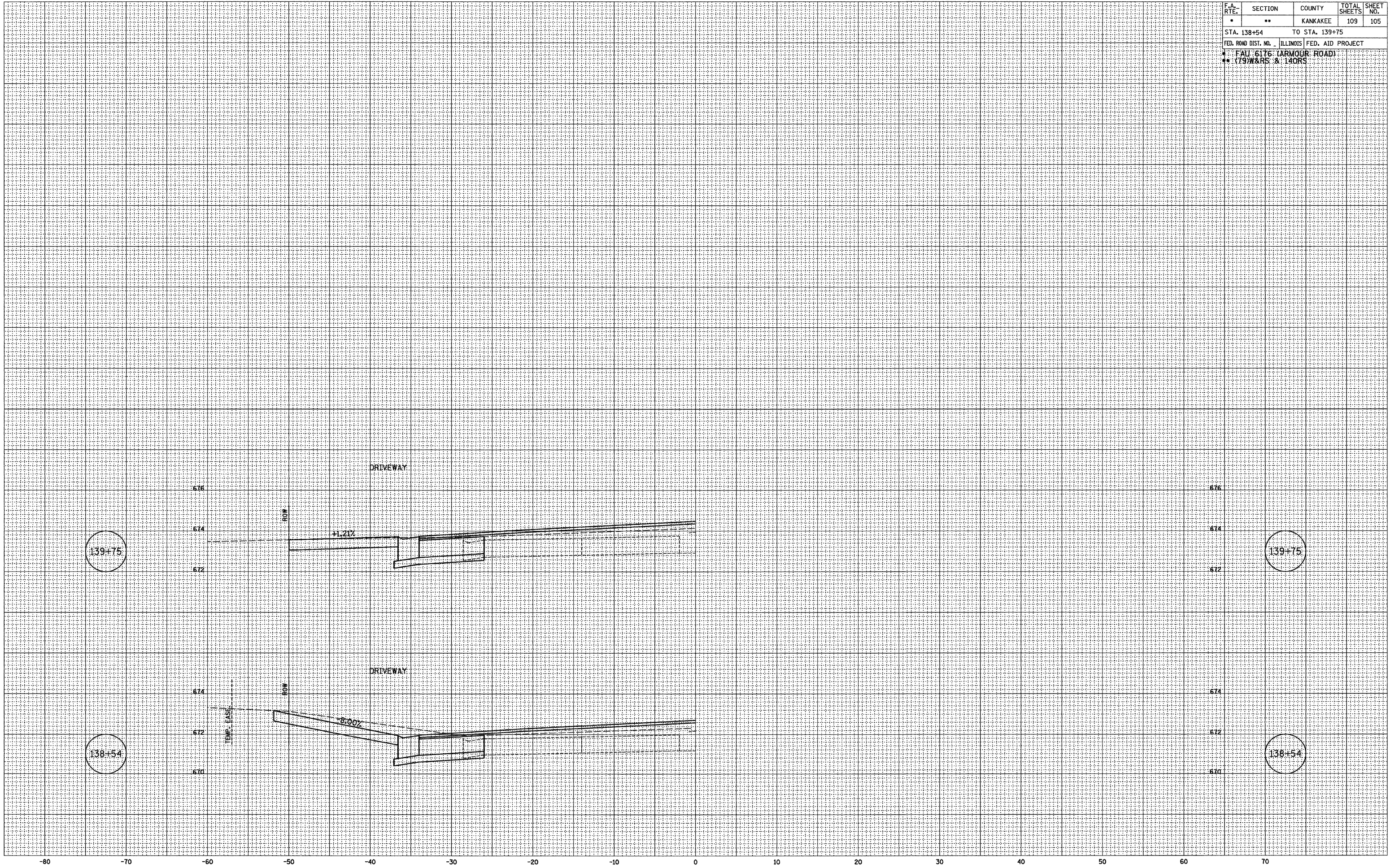


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	105
STA. 138+54		TO STA. 139+75		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FAU 6176 (ARMOUR ROAD)				
** (75)W&RS & 14ORS				

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

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

PLOT DATE = 12/06
 FILE NAME = Z439B\HLDN
 PLOT SCALE = 1" = 5'
 USER NAME = ARR



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	106

STA. 8+95 TO STA. 10+00
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 * FALL 6176 (ARMOUR ROAD)
 ** (79)W&RS & 14DRS

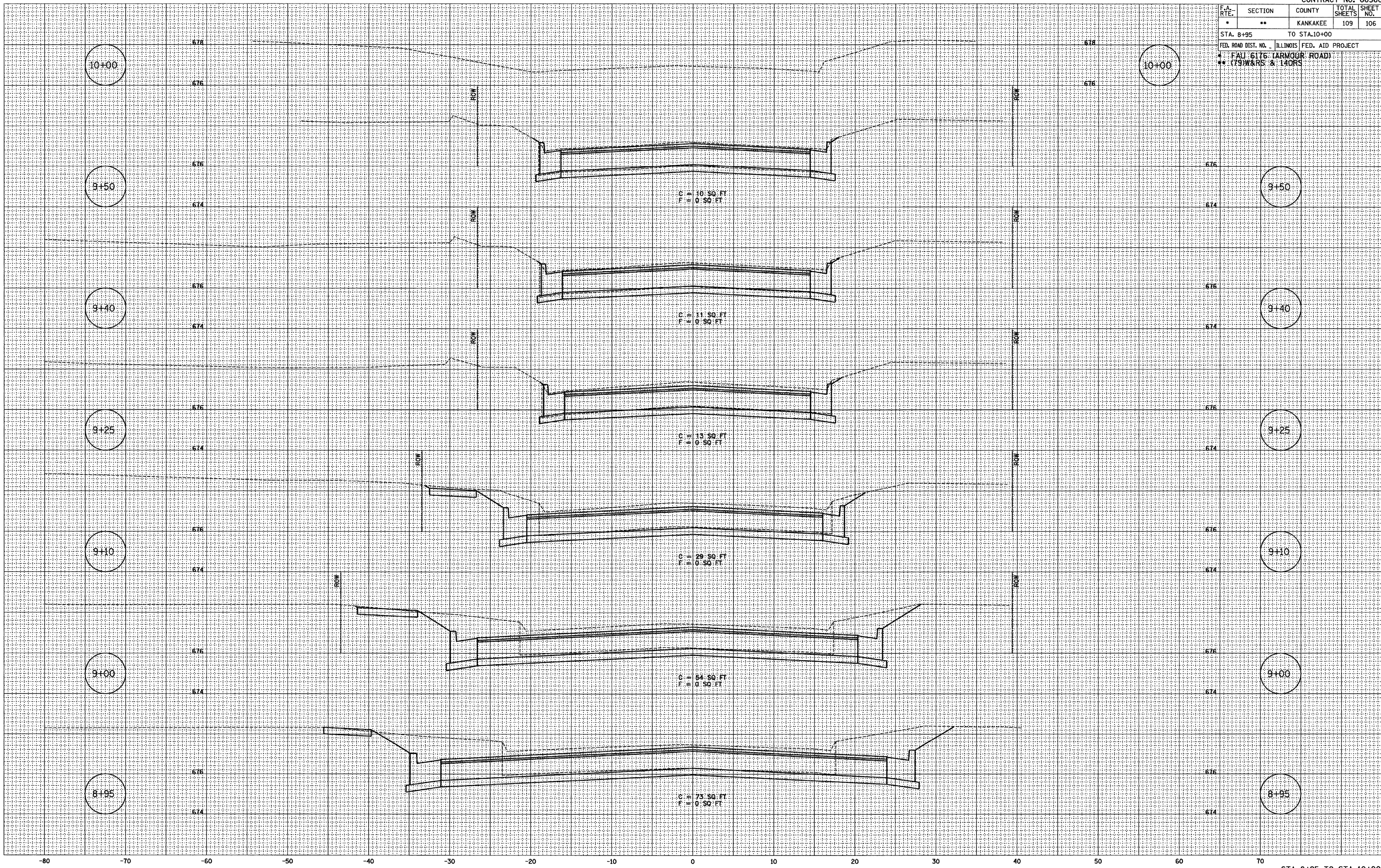
FINAL SURVEY

BY	DATE
SURVEYED	12/03
NOTE BOOK	02/03
TEMPLATE	ARR
AREAS CHECKED	NET
NO.	09/08

ORIGINAL SURVEY

BY	DATE
CHAMLIN	12/03
JIC	02/03
ARR	07/03
AREAS CHECKED	
NO.	

PLOT DATE = 12/06
 FILE NAME = Z94305-SHT-ASC-EDGEMERE.DGN
 PLOT SCALE = 1" = 5'
 USER NAME = ARR

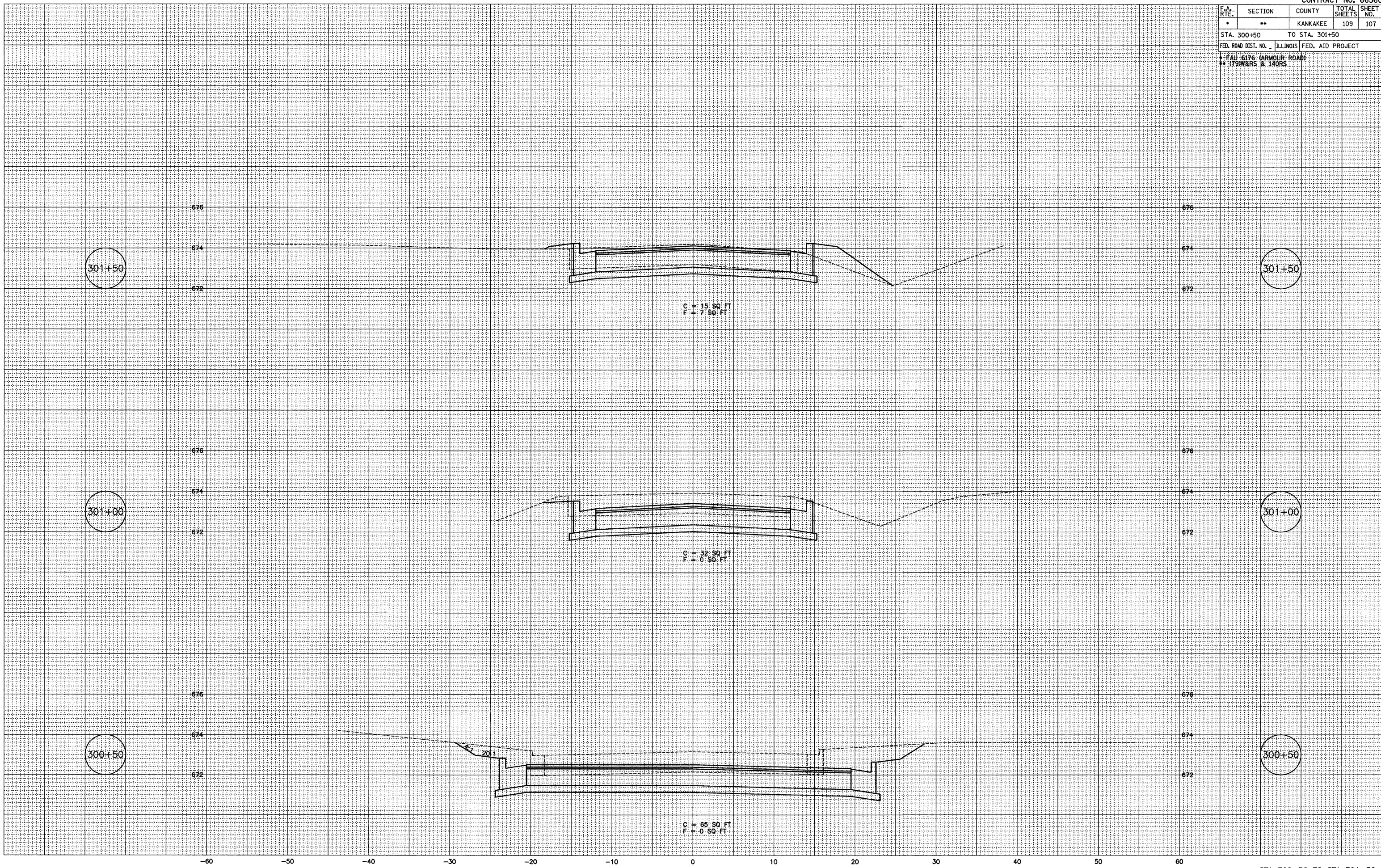


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	107
STA. 300+50		TO STA. 301+50		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FAU 6176 (ARMOUR ROAD)				
** 1790/1875 & 140/5				

FINAL SURVEY	BY	DATE
NO. _____	_____	____/____/____
SURVEYED	BY	DATE
NOTE BOOK	_____	____/____/____
TEMPLATE	_____	____/____/____
AREAS CHECKED	_____	____/____/____
AREAS CHECKED	_____	____/____/____

ORIGINAL SURVEY	BY	DATE
NO. _____	_____	____/____/____
SURVEYED	BY	DATE
NOTE BOOK	_____	____/____/____
TEMPLATE	_____	____/____/____
AREAS CHECKED	_____	____/____/____
AREAS CHECKED	_____	____/____/____

PLOT DATE = 12/06
 FILE NAME = Z04390451.DGN
 PLOT SCALE = 1" = 5'
 USER NAME = ARR

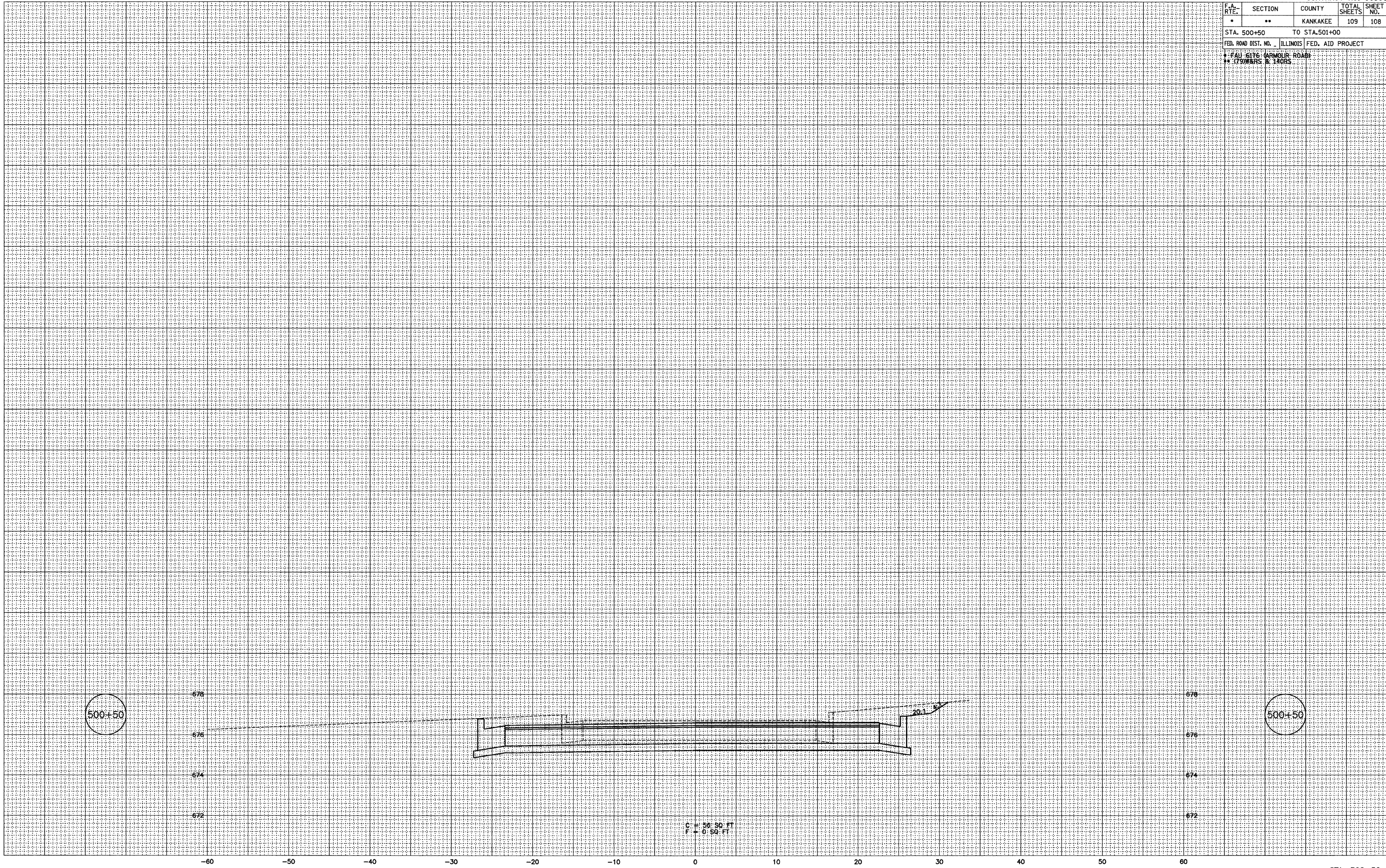


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	108
STA. 500+50		TO STA. 501+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
* FAU 6176 (ARMOUR ROAD)				
** 1790 W&RS & 140RS				

FINAL SURVEY
 SURVEYED _____
 NOTE BOOK _____
 NO. _____
 BY _____
 DATE _____
 TEMPLATES _____
 AREAS CHECKED _____

ORIGINAL SURVEY
 SURVEYED _____
 NOTE BOOK _____
 NO. _____
 BY CHAMIN
 DATE 12/02
 JIC 02/03
 AIR 07/03
 TEMPLATES _____
 AREAS CHECKED _____

PLOT DATE = 12/06
 FILE NAME = ZK4395XSLDDN
 PLOT SCALE = 1" = 5'
 USER NAME = AFR



C = 50.50 FT
 F = 0.50 FT

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KANKAKEE	109	109
STA. 198+50		TO STA. 199+50		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
* FAU 6176 (ARMOUR ROAD) * 179 WATS & 14055				

FINAL SURVEY	DATE
NO. _____	_____
BY _____	_____
SURVEYED _____	_____
TEMPLATE _____	_____
AREAS _____	_____
AREAS CHECKED _____	_____

ORIGINAL SURVEY	DATE
NO. _____	_____
BY _____	_____
CHAIN _____	_____
NO. _____	_____
TEMPLATE _____	_____
AREAS _____	_____
AREAS CHECKED _____	_____

PLOT DATE = 12/06
 FILE NAME = Z94389ASLDGN
 PLOT SCALE = 1" = 5'
 USER NAME = ARR

