FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR GENERAL NOTES, SEE SHEET NO. 3
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4 – 14

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	1
		ILLINOIS	CONTRACT NO. 70765	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

F.A.I. ROUTE 74 (I-74)
SECTION (74,10–4–1,10–4,10–5)RS
PROJECT ACHSIP-ACNHPP-0074 (314)
RESURFACING (INT–3RD) SAFETY IMPROVEMENTS
CHAMPAIGN COUNTY

C–95–022–09

0.5 MI W OF ILL 47 IN MAHOMET TO 0.5 MI W OF I–57

STRUCTURE INFORMATION

SN	TYPE OF WORK
010-8048	RIPRAP & HMA INLAY
010-0014	THIN CONCRETE OVERLAY
010-0015	THIN CONCRETE OVERLAY
010-0016	BRIDGE JOINT REPAIR
010-0017	BRIDGE JOINT REPAIR
010-0159	CRASHWALL EXTENSIONS
010-0167	DECK PATCHING & DRAIN REPLACEMENT
010-0169	THIN CONCRETE OVERLAY
010-0289	OMISSION

CURRENT TRAFFIC DATA

F.A.I. ROUTE 74

	LEG "A"	LEG "B"	LEG "C"
2013 ADT =	21,800	27,800	27,500
PV % =	67.6	73.5	75.3
SU % =	4.6	3.5	3.6
MU % =	27.8	23.0	21.1

TRAFFIC DATA LOCATIONS
LEG "A" = 0.5 MILES WEST OF IL 47 TO IL 47
LEG "B" = IL 47 TO PRAIRIE VIEW RD
LEG "C" = PRAIRIE VIEW RD TO 0.5 MILES WEST OF I-57

DESIGN DESIGNATION

INTERSTATE

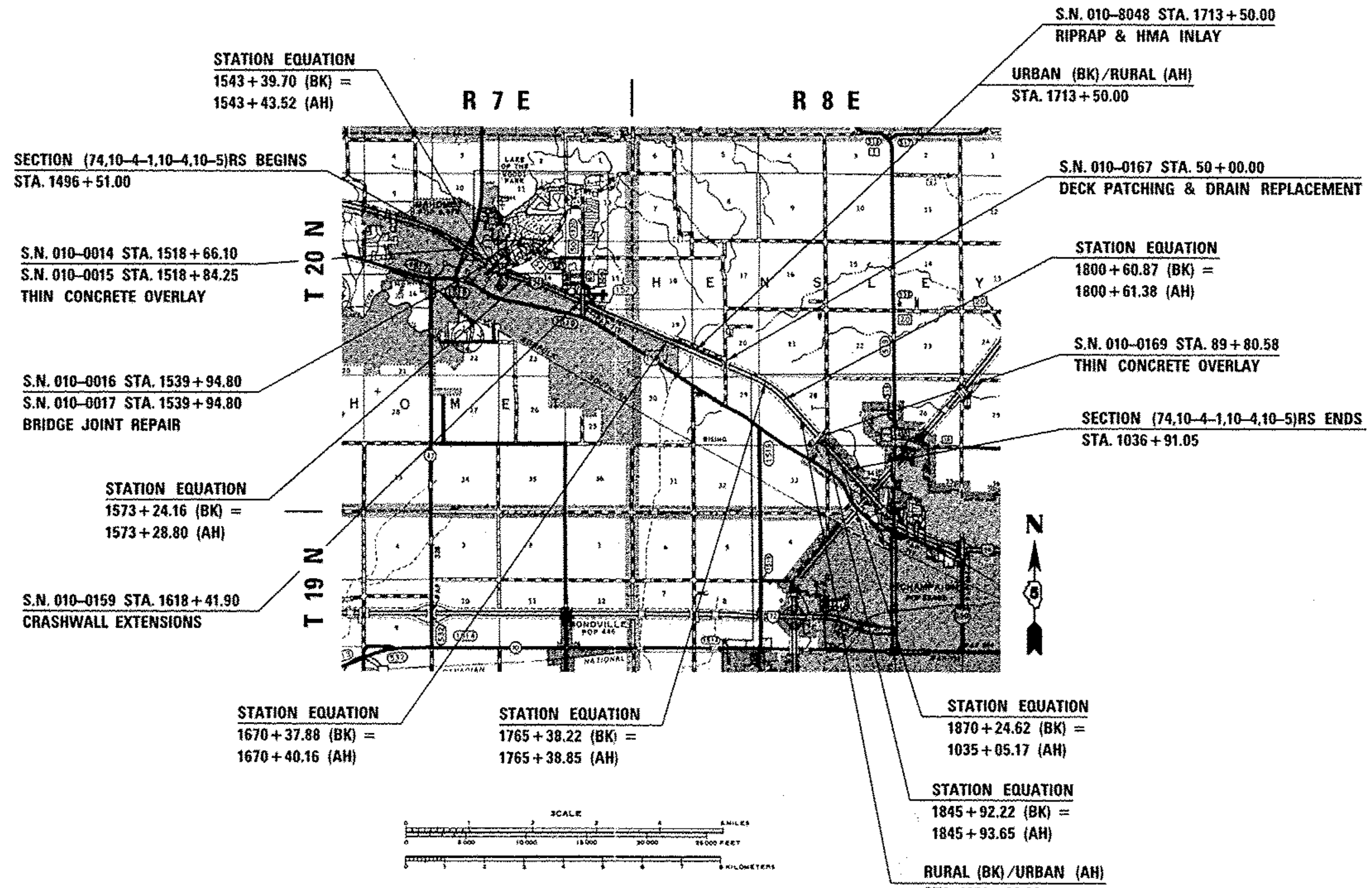
0 10' 100' 20' 200' 30' 300' — 1"= 100' — 1"= 10'
0 50' 100' — 1"= 50'
0 50' 100' — 1"= 40'
0 50' 100' — 1"= 30'
0 50' 100' — 1"= 20'

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

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1–800–892–0123
OR 811

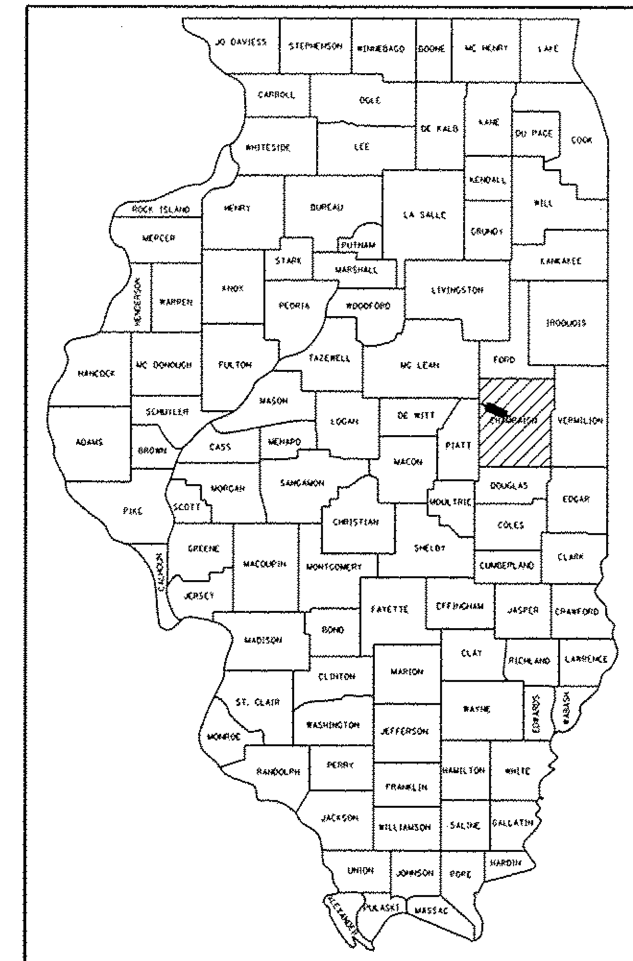
MAHOMET & HENSLEY TOWNSHIPS

PROJECT ENGINEER: JASON W. STULTS
SQUAD LEADER: RYAN T. CARROLL
217–465–4181
CONTRACT NO. 70765



GROSS LENGTH = 37,546.19 FT. = 7.111 MILE
NET LENGTH = 37,133.46 FT. = 7.033 MILE

D–95–022–09



LOCATION OF SECTION INDICATED THUS:–

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED August 12 2015
[signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION 3 ENGINEER
Oct 2 2015
[signature] P.E.
acting ENGINEER OF DESIGN AND ENVIRONMENT
Oct 2 2015
Omer Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

INDEX OF SHEETS

COMMITMENTS & STRUCTURE INFORMATION

COMMITMENTS: THERE ARE NO COMMITMENTS FOR THIS CONTRACT.

STRUCTURE INFORMATION: BASED ON STRUCTURAL ANALYSIS, THE FOLLOWING SHOULD BE NOTED WITH REGARDS TO MATERIAL TRANSFER DEVICES (MTD) TRAVELING OVER EXISTING STRUCTURES:

ONLY AN EMPTY MTD MAY PASS OVER THE FOLLOWING STRUCTURES: 010-0014, 010-0015, 010-0016, 010-0017, AND 010-8048.

LIST OF STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-08	PAVEMENT JOINTS
421001-02	BAR REINFORCEMENT FOR CRC PAVEMENT
442001-04	CLASS A PATCHES
601001-04	SUB-SURFACE DRAINS
601101-01	CONCRETE HEADWALL FOR PIPE DRAIN
602301-04	INLET - TYPE A
604036-03	GRATE TYPE 8
630001-10	STEEP PLATE BEAM GUARDRAIL
630301-06	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-09	TRAFFIC BARRIER TERMINAL, TYPE 2
631031-13	TRAFFIC BARRIER TERMINAL, TYPE 6
631033-06	TRAFFIC BARRIER TERMINAL, TYPE 6B
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
642001-02	SHOULDER RUMBLE STRIPS, 16 INCH
643001-02	SAND MODULE IMPACT ATTENUATORS
665001-02	WOVEN WIRE FENCE
701101-04	OFF-RD OPERATIONS, MULTILANE, 15' (4.5M) TO 24" (600 MM) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5M) AWAY
701400-08	APPROACH TO LANE CLOSURE FREEWAY/EXPRESSWAY
701401-09	LANE CLOSURE, FREEWAY/EXPRESSWAY
701402-10	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE AT ENTRANCE OR EXIT RAMP FOR SPEEDS > 45
701426-07	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS > 45
701428	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701456-03	PARTIAL EXIT RAMP CLOSURE FREEWAY/EXPRESSWAY
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-04	TRAFFIC CONTOL DEVICES
704001-07	TEMPORARY CONCRETE BARRIER
780001-05	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

FILE NAME =	USER NAME = carrollrs	DESIGNED -	REVISED -
pw:\\IL8846BIOINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\057900\Drawing\Data\CADsheets\078765-sht-cover.dgn		DRAWN -	REVISED -
	PLOT SCALE = 42.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/12/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS & HIGHWAY STANDARDS

SCALE: | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	2
		CONTRACT NO. 70765		
		ILLINOIS FED. AID PROJECT		

GENERAL NOTES

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

G.N.-100A
ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

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

G.N.-280
TEMPORARY EROSION CONTROL SEEDING IS INCLUDED IN THIS CONTRACT TO SEED DISTURBED EARTH DURING TIME PERIODS WHEN PERMANENT SEEDING IS NOT ALLOWED. SOME OR ALL OF THE TEMPORARY EROSION CONTROL SEEDING WILL BE DELETED IF IT IS POSSIBLE TO PLACE PERMANENT SEEDING ON EARTH AT THE TIME OF THEIR COMPLETION.

G.N.-403A
BITUMINOUS SURFACE TREATMENTS: THE RESULTING TARGET APPLICATION RATES ARE AS FOLLOWS:

SHOULDER SEAL:

TYPE OF CONSTRUCTION	BITUMINOUS MATERIAL	APPLICATION RATE	AGGREGATE	APPLICATION RATE
A-1	HFP-CRSP	0.25 gal/yd²	FM-01 (SPECIAL)	15 lb/yd²
A-1	HFP-CRSP	0.25 gal/yd²	FM-20 (SPECIAL)	15 lb/yd²

AGGREGATE GRADATION:

TOTAL PERCENT PASSING		
SIEVE NUMBER	FM-01 (SPECIAL)	FM-20 (SPECIAL)
3/8"	100	100
No.4	97+/-3	97+/-3
No.8	85+/-15	70+/-20
No.16	40+/-15	40+/-15
No.50	12+/-12	12+/-12
No.100	8+/-8	8+/-8
No.200	1.5+/-1	1.5+/-1
DESCRIPTION:	WET BOTTOM BOILER SLAG	CRUSHED GRAVEL

NOTE: THE ENGINEER RESERVES THE RIGHT TO ADJUST THE TARGET APPLICATION RATES AND THE QUANTITIES.

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

G.N.-406.10
FOR MULTILANE RESURFACING
WHEN BEGINNING THE RESURFACING WITH NEW MIXTURES FOR LEVELING BINDER, BINDER COURSE, AND SURFACE COURSE MIXTURES, THE WORK WILL BE CONFINED TO THE INSIDE TRAFFIC LANE (PASSING LANE) FIRST. THE WORK WILL REMAIN ON THE INSIDE LANE UNTIL THE MIX HAS BEEN ADJUSTED AND APPROVED BY THE ENGINEER BEFORE ANY RESURFACING IS ALLOWED ON THE OUTSIDE (DRIVING) TRAFFIC LANE(S).

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

G.N.-406H
MIXTURE REQUIREMENTS
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

Location	I-74	I-74	I-74 and Ramps	I-74	Ramps & TR 126 Over I-74	Ramps
Mixture Use	Polymer Surface	Polymer Binder	HMA Shoulder	Incidental	Ramp Surface	Ramp Level Binder
AC/PG	SBS PG 70-22	SBS PG 70-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
Design Air Voids	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=30	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50
Mix Comp(Gradation)	IL 9.5	IL 19.0	IL 9.5L	IL 9.5	IL 9.5	IL 9.5 FG
Friction Aggregate	Mix E	N.A.	Mix C	Mix C	Mix D	Mix C
Mixture Weight	112	112	112	112	112	112
Quality Management Program	PFP	PFP	QC/QA	QC/QA	QC/QA	QC/QA
Sublot Size	1000	1000	1000	N.A.	N.A.	N.A.

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

G.N.-482
ALL LOW ESAL MIXTURE PLACED AS HOT-MIX ASPHALT SHOULDERS SHALL BE COMPACTED TO 94.0 - 98.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY. THIS REQUIREMENT SHALL APPLY TO IL 9.5L GRADATION MIXES. THIS MAXIMUM DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE OF FOUR TESTS AS IN OTHER QC/QA TESTING. A NUCLEAR GAUGE DENSITY/CORE CORRELATION SHALL BE PERFORMED FOR THE IL 9.5L USING STANDARD CORRELATION PROCEDURES WHEN MORE THAN 3,000 TONS ARE TO BE PLACED.

G.N.-501A
THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHOULD FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.

G.N.-542
BEFORE ORDERING PIPE CULVERTS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR THE EXACT LENGTHS.

G.N.-609
PRIOR TO ROUTING TRAFFIC ONTO THE SHOULDERS AS SHOWN IN THE STAGING PLANS, THE CONTRACTOR SHALL SECURE THE GRATINGS ON SHOULDER INLETS AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.

G.N.-631
IF THE CONTRACTOR ELECTS TO USE THE ALTERNATE MOUNTING METHOD OF THRU DRILLING THE MOUNTING HOLES FOR THE TRAFFIC BARRIER TERMINALS, TYPE 6, THE HOLES SHALL BE DRILLED USING A CORE DRILL. A HAMMER DRILL WILL NOT BE ALLOWED.

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

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

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

MS3E

SUMMARY OF QUANTITIES

											ACHSIP	
			LOCATION:	FAI 74 (I-74) INTERSTATE URBAN ROADWAY STA. 1496+51.00 TO STA. 1036+91.05 01	FAI 74 (I-74) INTERSTATE RURAL ROADWAY STA. 1496+51.00 TO STA. 1036+91.05 01	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0159 STA. 1618+41.90 02	01 FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0014 STA. 1518+66.10 S.N. 010-0015 STA. 1518+84.25	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0016 S.N. 010-0017 STA. 1539+94.80 05	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0167 STA. 50+00.00 03	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0169 STA. 89+80.58 04	FAI 74 (I-74) INTERSTATE URBAN SMART WK ZN STA. 1496+51.00 TO STA. 1036+91.05 01	FAI 74 (I-74) INTERSTATE RURAL SMART WK ZN STA. 1496+51.00 TO STA. 1036+91.05 01
			COUNTY:	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN
			FUNDING BREAKOUT:	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST
			CONSTRUCTION CODE:	0004	0004	0014	0014	0014	0014	0014	0021	0021
CODE NO.	DESCRIPTION	UNIT	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
20200100	EARTH EXCAVATION	CU YD	205.0	185.0	20.0							
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2,040.0	2,040.0								
20400800	FURNISHED EXCAVATION	CU YD	980.0	865.0	115.0							
21400100	GRADING AND SHAPING DITCHES	FOOT	240.0	240.0								
25000210	SEEDING, CLASS 2A	ACRE	2.5	2.25	0.25							
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	225.0	202.50	22.50							
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	225.0	202.50	22.50							
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	225.0	202.50	22.50							
25100115	MULCH, METHOD 2	ACRE	2.5	2.25	0.25							
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	250.0	225.00	25.00							
28000305	TEMPORARY DITCH CHECKS	FOOT	275.0	275.0								
28000400	PERIMETER EROSION BARRIER	FOOT	300.0	300.0								
28000500	INLET AND PIPE PROTECTION	EACH	7.0	6.0	1.0							
28100707	STONE DUMPED RIPRAP, CLASS A4	SQ YD	117.0	117.0								

14

*SPECIALTY ITEM

SUMMARY OF QUANTITIES

ACHSIP

	LOCATION:			FAI 74 (I-74) INTERSTATE URBAN ROADWAY STA. 1496+51.00 TO STA. 1036+91.05	FAI 74 (I-74) INTERSTATE RURAL ROADWAY STA. 1496+51.00 TO STA. 1036+91.05	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0159 STA. 1618+41.90	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0014 STA. 1518+66.10 S.N. 010-0015 STA. 1518+84.25	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0016 S.N. 010-0017 STA. 1539+94.80	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0167 STA. 50+00.00	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0169 STA. 89+80.58	FAI 74 (I-74) INTERSTATE URBAN SMART WK ZN STA. 1496+51.00 TO STA. 1036+91.05	FAI 74 (I-74) INTERSTATE RURAL SMART WK ZN STA. 1496+51.00 TO STA. 1036+91.05
	COUNTY:			CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN
	FUNDING BREAKOUT:			90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST
	CONSTRUCTION CODE:			0004	0004	0014	0014	0014	0014	0014	0021	0021
CODE NO.	DESCRIPTION	UNIT	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
28200200	FILTER FABRIC	SQ YD	117.0	117.0								
35300510	PORTLAND CEMENT CONCRETE BASE COURSE 10 1/2"	SQ YD	33.0	33.0								
40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1,751.0	1,751.0								
40300300	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	GALLON	4,373.0	4,373.0								
40300600	SEAL COAT AGGREGATE	TON	134.0	134.0								
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	213,339.0	183,714.0	29,580.0					45.0		
40600627	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N50	TON	822.0	822.0								
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	5,795.0	5,795.0								
40600990	TEMPORARY RAMP	SQ YD	834.0	820.0	14.0							
40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	32,105.0	26,581.0	5,524.0							
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	2,450.0	2,440.0						10.0		
40603570	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N90	TON	16,610.0	13,960.0	2,650.0							
40800025	BITUMINOUS MATERIALS (PRIME COAT)	POUND	173.0	173.0								
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	33.0	33.0								

*SPECIALTY ITEM

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D57...\CADData\CADsheets\070765-sht-cover.dgn	USER NAME = carrollrt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.I. RTE. 74
	PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -		SCALE:	SECTION (74,10-4-1,10-4,10-5)RS
$MODELNAME$	PLOT DATE = 8/12/2015	CHECKED -	REVISED -		SHEET 2 OF 11 SHEETS STA. TO STA.	COUNTY CHAMPAIGN
		DATE -	REVISED -			TOTAL SHEETS 202 SHEET NO. 5
						CONTRACT NO. 70765
						ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES

CODE NO.	DESCRIPTION	UNIT	QUANTITY	FAI 74 (I-74) INTERSTATE URBAN ROADWAY STA. 1496+51.00 TO STA. 1036+91.05	FAI 74 (I-74) INTERSTATE RURAL ROADWAY STA. 1496+51.00 TO STA. 1036+91.05	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0159 STA. 1618+41.90	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0014 STA. 1518+66.10 S.N. 010-0015 STA. 1518+84.25	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0016 S.N. 010-0017 STA. 1539+94.80	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0167 STA. 50+00.00	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0169 STA. 89+80.58	ACHSIP FAI 74 (I-74) INTERSTATE URBAN SMART WK ZN STA. 1496+51.00 TO STA. 1036+91.05	ACHSIP FAI 74 (I-74) INTERSTATE RURAL SMART WK ZN STA. 1496+51.00 TO STA. 1036+91.05
			COUNTY:	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN
			FUNDING BREAKOUT:	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST
			CONSTRUCTION CODE:	0004	0004	0014	0014	0014	0014	0014	0021	0021
				QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	215,251.0	181,655.0	33,596.0							
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	18,466.0	18,466.0								
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	10,992.0	10,992.0								
44000181	HOT-MIX ASPHALT SURFACE REMOVAL, 7 3/4"	SQ YD	84,611.0	69,411.0	15,200.0							
44004000	PAVED DITCH REMOVAL	FOOT	20.0	20.0								
44200637	CLASS A PATCHES, TYPE II, 17 INCH	SQ YD	286.0	262.0	24.0							
44200641	CLASS A PATCHES, TYPE III, 17 INCH	SQ YD	48.0	48.0								
44200643	CLASS A PATCHES, TYPE IV, 17 INCH	SQ YD	134.0	134.0								
44213000	PATCHING REINFORCEMENT	SQ YD	467.0	443.0	24.0							
44213200	SAW CUTS	FOOT	2,620.0	2,440.0	180.0							
44213204	TIE BARS 3/4"	EACH	51.0	51.0								
48101200	AGGREGATE SHOULDERS, TYPE B	TON	5,387.0	5,377.0	10.0							
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	2,465.0	1,943.0	522.0							
48203100	HOT-MIX ASPHALT SHOULDERS	TON	9,572.0	8,026.0	1,546.0							

*SPECIALTY ITEM

FILE NAME = pw:\\IL004EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570	USER NAME = carrollrs	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.I. RTE. 74 / SECTION (74,10-4-1,10-4,10-5)RS / COUNTY CHAMPAIGN / TOTAL SHEETS 202 / SHEET NO. 6
		DRAWN \Data\CADsheets\D70765-sht-cover.dgn	REVISED -			CONTRACT NO. 70765
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -		SCALE: SHEET 3 OF 11 SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT
$MODELNAME$	PLOT DATE = 8/12/2019	DATE -	REVISED -			

SUMMARY OF QUANTITIES

ACHSIP

CODE NO.	DESCRIPTION	UNIT	QUANTITY	LOCATION: FAI 74 (I-74) INTERSTATE URBAN ROADWAY STA. 1496+51.00 TO STA. 1036+91.05 COUNTY: CHAMPAIGN FUNDING BREAKOUT: 90% FED/10% ST CONSTRUCTION CODE: 0004 QUANTITY	FAI 74 (I-74) INTERSTATE RURAL ROADWAY STA. 1496+51.00 TO STA. 1036+91.05 CHAMPAIGN 90% FED/10% ST 0004 QUANTITY	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0159 STA. 1618+41.90 CHAMPAIGN 90% FED/10% ST 0014 QUANTITY	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0014 STA. 1518+66.10 S.N. 010-0015 STA. 1518+84.25 CHAMPAIGN 90% FED/10% ST 0014 QUANTITY	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0016 S.N. 010-0017 STA. 1539+94.80 CHAMPAIGN 90% FED/10% ST 0014 QUANTITY	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0167 STA. 50+00.00 CHAMPAIGN 90% FED/10% ST 0014 QUANTITY	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0169 STA. 89+80.58 CHAMPAIGN 90% FED/10% ST 0014 QUANTITY	FAI 74 (I-74) INTERSTATE URBAN SMART WK ZN STA. 1496+51.00 TO STA. 1036+91.05 CHAMPAIGN 90% FED/10% ST 0021 QUANTITY	FAI 74 (I-74) INTERSTATE RURAL SMART WK ZN STA. 1496+51.00 TO STA. 1036+91.05 CHAMPAIGN 90% FED/10% ST 0021 QUANTITY
50102400	CONCRETE REMOVAL	CU YD	20.9				20.9					
50105220	PIPE CULVERT REMOVAL	FOOT	10.0	10.0								
50157300	PROTECTIVE SHIELD	SQ YD	849.0				410.0		175.0	264.0		
50300100	FLOOR DRAINS	EACH	36.0				16.0		10.0	10.0		
50300225	CONCRETE STRUCTURES	CU YD	27.0			27.0						
50300255	CONCRETE SUPERSTRUCTURE	CU YD	31.8				31.8					
50300260	BRIDGE DECK GROOVING	SQ YD	1,791.0				1,286.0			505.0		
50300300	PROTECTIVE COAT	SQ YD	230.0			90.0	140.0					
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	4,210.0				4,210.0					
50500505	STUD SHEAR CONNECTORS	EACH	224.0				224.0					
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	7,299.0			2,389.0	4,910.0					
50800515	BAR SPLICERS	EACH	64.0				64.0					
50900200	STEEL RAILING, TYPE 2399	FOOT	911.0						491.0	420.0		
52000110	PREFORMED JOINT STRIP SEAL	FOOT	180.0				180.0					

*SPECIALTY ITEM

FILE NAME =	USER NAME = carroll-s	DESIGNED -	REVISED -
pw:\\IL864E01DINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D57[illegible]\DrawingData\CADsheets\D70765-sht-cover.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/12/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 4 OF 11 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	7
		CONTRACT NO. 70765		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

											ACHSIP	
			LOCATION:	FAI 74 (I-74) INTERSTATE URBAN ROADWAY STA. 1496+51.00 TO STA. 1036+91.05	FAI 74 (I-74) INTERSTATE RURAL ROADWAY STA. 1496+51.00 TO STA. 1036+91.05	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0159 STA. 1618+41.90	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0014 STA. 1518+66.10 S.N. 010-0015 STA. 1518+84.25	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0016 S.N. 010-0017 STA. 1539+94.80	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0167 STA. 50+00.00	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0169 STA. 89+80.58	FAI 74 (I-74) INTERSTATE URBAN SMART WK ZN STA. 1496+51.00 TO STA. 1036+91.05	FAI 74 (I-74) INTERSTATE RURAL SMART WK ZN STA. 1496+51.00 TO STA. 1036+91.05
			COUNTY:	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN
			FUNDING BREAKOUT:	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST
			CONSTRUCTION CODE:	0004	0004	0014	0014	0014	0014	0014	0021	0021
CODE NO.	DESCRIPTION	UNIT	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	28.0				28.0					
52100520	ANCHOR BOLTS, 1"	EACH	56.0				56.0					
54248510	CONCRETE COLLAR	CU YD	1.0	1.0								
542D0217	PIPE CULVERTS, CLASS D, TYPE 1 12"	FOOT	10.0	10.0								
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	6.0	6.0								
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	36.0	36.0								
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1.0	1.0								
60500060	REMOVING INLETS	EACH	1.0	1.0								
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	3,125.0	2,487.5	637.5							
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	200.0	200.0								
* 63000025	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES	FOOT	12.5		12.5							
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	3.0	3.0								
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	8.0	8.0								
* 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	8.0	6.0	2.0							

14

*SPECIALTY ITEM

SUMMARY OF QUANTITIES

				ACHSIP								
			LOCATION:	FAI 74 (I-74) INTERSTATE URBAN ROADWAY STA. 1496+51.00 TO STA. 1036+91.05	FAI 74 (I-74) INTERSTATE RURAL ROADWAY STA. 1496+51.00 TO STA. 1036+91.05	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0159 STA. 1618+41.90	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0014 STA. 1518+66.10 S.N. 010-0015 STA. 1518+84.25	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0016 S.N. 010-0017 STA. 1539+94.80	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0167 STA. 50+00.00	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0169 STA. 89+80.58	ACHSIP FAI 74 (I-74) INTERSTATE URBAN SMART WK ZN STA. 1496+51.00 TO STA. 1036+91.05	FAI 74 (I-74) INTERSTATE RURAL SMART WK ZN STA. 1496+51.00 TO STA. 1036+91.05
			COUNTY:	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN
			FUNDING BREAKOUT:	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST
			CONSTRUCTION CODE:	0004	0004	0014	0014	0014	0014	0014	0021	0021
CODE NO.	DESCRIPTION	UNIT	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
* 63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	1.0	1.0								
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	7.0	5.0	2.0							
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	13.0	12.0	1.0							
* 63200310	GUARDRAIL REMOVAL	FOOT	4,416.5	3,704.0	712.5							
* 63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	50.0	50.0								
* 63400105	GUARD POSTS	EACH	12.0	12.0								
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	141,429.0	117,777.0	23,652.0							
64300450	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	8.0	7.0	1.0							
64301090	ATTENUATOR BASE	SQ YD	208.0	182.0	26.0							
66500105	WOVEN WIRE FENCE, 4'	FOOT	560.0	560.0								
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	8.0	6.0	2.0							
67100100	MOBILIZATION	LSUM	1.0	0.5	0.1		0.1	0.1	0.1	0.1		
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	2.0				2.0					
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	12.0	8.0			4.0					

*SPECIALTY ITEM

FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.I. RTE. 74 · SECTION (74,10-4-1,10-4,10-5)RS · COUNTY CHAMPAIGN · TOTAL SHEETS 202 · SHEET NO. 9
pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D57...\CADData\CADsheets\070765-sht-cover.dgn	PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -			CONTRACT NO. 70765
$MODELNAME$	PLOT DATE = 8/12/2016	CHECKED -	REVISED -		SCALE: · SHEET 6 OF 11 SHEETS · STA. TO STA.	ILLINOIS FED. AID PROJECT
		DATE -	REVISED -			

SUMMARY OF QUANTITIES

											ACHSIP	
			LOCATION:	FAI 74 (I-74) INTERSTATE URBAN ROADWAY STA. 1496+51.00 TO STA. 1036+91.05	FAI 74 (I-74) INTERSTATE RURAL ROADWAY STA. 1496+51.00 TO STA. 1036+91.05	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0159 STA. 1618+41.90	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0014 STA. 1518+66.10 S.N. 010-0015 STA. 1518+84.25	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0016 S.N. 010-0017 STA. 1539+94.80	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0167 STA. 50+00.00	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0169 STA. 89+80.58	FAI 74 (I-74) INTERSTATE URBAN SMART WK ZN STA. 1496+51.00 TO STA. 1036+91.05	FAI 74 (I-74) INTERSTATE RURAL SMART WK ZN STA. 1496+51.00 TO STA. 1036+91.05
			COUNTY:	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN
			FUNDING BREAKOUT:	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST
			CONSTRUCTION CODE:	0004	0004	0014	0014	0014	0014	0014	0021	0021
CODE NO.	DESCRIPTION	UNIT	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	LSUM	1.0	0.8	0.2							
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	LSUM	1.0	1.0								
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1.0	0.8	0.2							
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	26.0	20.0	4.0		1.0	1.0				
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	192.0								150.0	42.0
70300100	SHORT TERM PAVEMENT MARKING	FOOT	24,356.0	20,756.0	3,600.0							
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	222.0	222.0								
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	185,213.0	158,562.0	26,651.0							
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	525.0	525.0								
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	5,703.0	5,703.0								
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	299.0	299.0								
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	145.0	145.0								
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	69,233.0	59,250.0	9,983.0							
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1,050.0				1,050.0					

*SPECIALTY ITEM

SUMMARY OF QUANTITIES

ACHSIP

CODE NO.	DESCRIPTION	UNIT	QUANTITY	FAI 74 (I-74) INTERSTATE URBAN ROADWAY STA. 1496+51.00 TO STA. 1036+91.05	FAI 74 (I-74) INTERSTATE RURAL ROADWAY STA. 1496+51.00 TO STA. 1036+91.05	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0159 STA. 1618+41.90	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0014 STA. 1518+66.10 S.N. 010-0015 STA. 1518+84.25	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0016 S.N. 010-0017 STA. 1539+94.80	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0167 STA. 50+00.00	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0169 STA. 89+80.58	FAI 74 (I-74) INTERSTATE URBAN SMART WK ZN STA. 1496+51.00 TO STA. 1036+91.05	FAI 74 (I-74) INTERSTATE RURAL SMART WK ZN STA. 1496+51.00 TO STA. 1036+91.05
	COUNTY:			CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN
	FUNDING BREAKOUT:			90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST
	CONSTRUCTION CODE:			0004	0004	0014	0014	0014	0014	0014	0021	0021
				QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1,050.0				1,050.0					
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2.0				2.0					
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2.0				2.0					
* 72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	520.0	520.0								
* 73400100	CONCRETE FOUNDATIONS	CU YD	1.4	1.4								
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	9,120.0				9,120.0					
* 78004210	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 4"	FOOT	18,590.0	15,590.0	3,000.0							
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	222.0	222.0								
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	166,623.0	142,972.0	23,651.0							
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	525.0	525.0								
* 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	5,703.0	5,703.0								
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	299.0	299.0								
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	145.0	145.0								
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2,209.0	2,093.0	116.0							

*SPECIALTY ITEM

SUMMARY OF QUANTITIES

ACHSIP

	CODE NO.	DESCRIPTION	UNIT	QUANTITY	FAI 74 (I-74) INTERSTATE URBAN ROADWAY STA. 1496+51.00 TO STA. 1036+91.05	FAI 74 (I-74) INTERSTATE RURAL ROADWAY STA. 1496+51.00 TO STA. 1036+91.05	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0159 STA. 1618+41.90	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0014 STA. 1518+66.10 S.N. 010-0015 STA. 1518+84.25	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0016 S.N. 010-0017 STA. 1539+94.80	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0167 STA. 50+00.00	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0169 STA. 89+80.58	FAI 74 (I-74) INTERSTATE URBAN SMART WK ZN STA. 1496+51.00 TO STA. 1036+91.05	FAI 74 (I-74) INTERSTATE RURAL SMART WK ZN STA. 1496+51.00 TO STA. 1036+91.05
				COUNTY:	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN
				FUNDING BREAKOUT:	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST
				CONSTRUCTION CODE:	0004	0004	0014	0014	0014	0014	0014	0021	0021
	CODE NO.	DESCRIPTION	UNIT	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
*	78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	38.0	38.0								
*	78200410	GUARDRAIL MARKERS, TYPE A	EACH	55.0	45.0	10.0							
*	78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	16.0	13.0	3.0							
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	2,243.0	2,127.0	116.0							
*	88600100	DETECTOR LOOP, TYPE I	FOOT	239.0	239.0								
	X0321962	CONNECTION OF EXISTING PIPE UNDERDRAIN	EACH	6.0	6.0								
	X0323388	TRAFFIC COUNTER	EACH	1.0	1.0								
	X0325279	CLASS SI CONCRETE (MISCELLANEOUS)	CU YD	5.0	5.0								
	X0325743	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES), SPECIAL	SQ FT	138.0				138					
	X0326206	RESET GRATE	EACH	3.0	3.0								
	X4400196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	385.0	385.0								
	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	2,468.0	1,900.0	568.0							
	X4403300	CONCRETE MEDIAN REMOVAL	SQ FT	296.0	296.0								
	X6061702	CONCRETE MEDIAN, TYPE SM (DOWELLED)	SQ FT	296.0	296.0								

*SPECIALTY ITEM

FILE NAME = pw:\\IL084EBIOINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570	USER NAME = carrollnt	DESIGNED -	REVISED -
	…Data\CADsheets\D70765-sht-cover.dgn	DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/12/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 9 OF 11 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	12
		CONTRACT NO. 70765		
	ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES

ACHSIP

				LOCATION:	FAI 74 (I-74) INTERSTATE URBAN ROADWAY STA. 1496+51.00 TO STA. 1036+91.05	FAI 74 (I-74) INTERSTATE RURAL ROADWAY STA. 1496+51.00 TO STA. 1036+91.05	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0159 STA. 1618+41.90	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0014 STA. 1518+66.10 S.N. 010-0015 STA. 1518+84.25	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0016 S.N. 010-0017 STA. 1539+94.80	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0167 STA. 50+00.00	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0169 STA. 89+80.58	FAI 74 (I-74) INTERSTATE URBAN SMART WK ZN STA. 1496+51.00 TO STA. 1036+91.05	FAI 74 (I-74) INTERSTATE RURAL SMART WK ZN STA. 1496+51.00 TO STA. 1036+91.05
				COUNTY:	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN
				FUNDING BREAKOUT:	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST
				CONSTRUCTION CODE:	0004	0004	0014	0014	0014	0014	0014	0021	0021
	CODE NO.	DESCRIPTION	UNIT	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
*	X6311217	TRAFFIC BARRIER TERMINAL, TYPE 6B (SPECIAL)	EACH	1.0	1.0								
	X6340205	GUARD POSTS REMOVAL	EACH	12.0	12.0								
	X6430120	REMOVE IMPACT ATTENUATORS, NO SALVAGE	EACH	9.0	8.0	1.0							
	X6431110	REMOVE ATTENUATOR BASE	EACH	9.0	8.0	1.0							
	X6650202	WOVEN WIRE FENCE REMOVAL	FOOT	560.0	560.0								
	X7010410	SPEED DISPLAY TRAILER	CAL MO	8.0	4.0	2.0		1.5	0.5				
	X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	56.0	45.0	11.0							
	X7200201	WIDTH RESTRICTION SIGNING	LSUM	1.0				0.5	0.5				
*	X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	166,623.0	142,972.0	23,651.0							
*	X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	525.0	525.0								
*	X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	5,703.0	5,703.0								
*	X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	299.0	299.0								
*	X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	145.0	145.0								
	X8570000	SMART TRAFFIC MONITORING SYSTEM	LSUM	1.0								0.5	0.5

*SPECIALTY ITEM

FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -
pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\057		DRAWN ...Data\CADsheets\070765-sht-cover.dg	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/12/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: | SHEET 10 OF 11 SHEETS | STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	13
		CONTRACT NO. 70765		
		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

ACHSIP

CODE NO.	DESCRIPTION	UNIT	QUANTITY	LOCATION:	FAI 74 (I-74) INTERSTATE URBAN ROADWAY STA. 1496+51.00 TO STA. 1036+91.05	FAI 74 (I-74) INTERSTATE RURAL ROADWAY STA. 1496+51.00 TO STA. 1036+91.05	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0159 STA. 1618+41.90	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0014 STA. 1518+66.10 S.N. 010-0015 STA. 1518+84.25	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0016 S.N. 010-0017 STA. 1539+94.80	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0167 STA. 50+00.00	FAI 74 (I-74) INTERSTATE URBAN STRUCTURE S.N. 010-0169 STA. 89+80.58	FAI 74 (I-74) INTERSTATE URBAN SMART WK ZN STA. 1496+51.00 TO STA. 1036+91.05	FAI 74 (I-74) INTERSTATE RURAL SMART WK ZN STA. 1496+51.00 TO STA. 1036+91.05
				COUNTY:	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN	CHAMPAIGN
				FUNDING BREAKOUT:	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST	90% FED/10% ST
				CONSTRUCTION CODE:	0004	0004	0014	0014	0014	0014	0014	0021	0021
					QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
Z0001899	JACK AND REMOVE EXISTING BEARINGS	EACH	28.0					28.0					
Z0004556	HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	1,371.0					1,371.0					
Z0006012	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/4 INCHES	SQ YD	1,830.0					1279.0			551.0		
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	1,853.0					1,302.0			551		
Z0013798	CONSTRUCTION LAYOUT	LSUM	1.0	0.4	0.1	0.1	0.1	0.1	0.1	0.1			
Z0015802	PLUG EXISTING DECK DRAINS	EACH	16.0					16.0					
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	24.8					10.8		4.0	10.0		
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	80.3					62.3		18.0			
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	14.2							14.2			
Z0021916	SILICONE JOINT SEALER, 3"	FOOT	89.0						89.0				
Z0034105	MATERIAL TRANSFER DEVICE	TON	48,713.0	40,540.0	8,173.0								
Z0041895	POLYMER CONCRETE	CU FT	16.7					6.6	8.0		2.1		
Z0073200	TEMPORARY SHORING AND CRIBBING	EACH	4.0					4.0					

*SPECIALTY ITEM

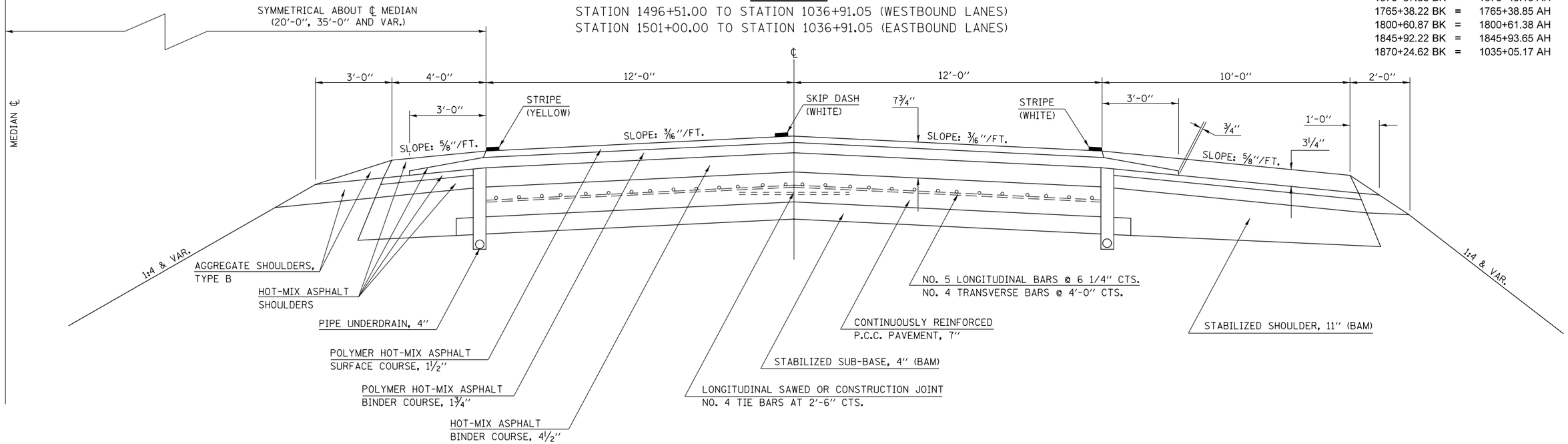
FILE NAME =	USER NAME = aarnolds	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p=\\IL884EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 5\Projects\D573[illegible]\Data\CADsheets\D70765-sht-cover.dgn		DRAWN -	REVISED -			74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	14
$MODELNAME$	PLOT SCALE = 40.2000 ' / in.	CHECKED -	REVISED -						CONTRACT NO. 70765	
	PLOT DATE = 8/12/2015	DATE -	REVISED -		SCALE: SHEET 11 OF 11 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		

EXISTING TYPICAL CROSS SECTION

F.A.I. 74

STATION 1496+51.00 TO STATION 1036+91.05 (WESTBOUND LANES)
STATION 1501+00.00 TO STATION 1036+91.05 (EASTBOUND LANES)

STATION EQUATIONS
1543+39.70 BK = 1543+43.52 AH
1573+24.16 BK = 1573+28.80 AH
1670+37.88 BK = 1670+40.16 AH
1765+38.22 BK = 1765+38.85 AH
1800+60.87 BK = 1800+61.38 AH
1845+92.22 BK = 1845+93.65 AH
1870+24.62 BK = 1035+05.17 AH

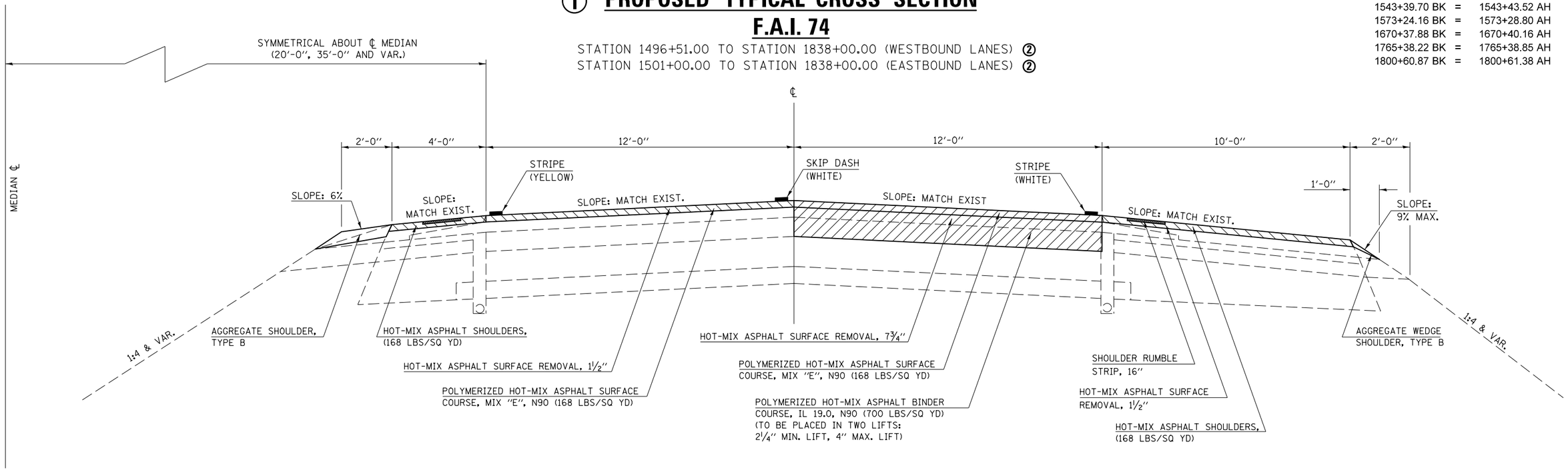


① PROPOSED TYPICAL CROSS SECTION

F.A.I. 74

STATION 1496+51.00 TO STATION 1838+00.00 (WESTBOUND LANES) ②
STATION 1501+00.00 TO STATION 1838+00.00 (EASTBOUND LANES) ②

STATION EQUATIONS
1543+39.70 BK = 1543+43.52 AH
1573+24.16 BK = 1573+28.80 AH
1670+37.88 BK = 1670+40.16 AH
1765+38.22 BK = 1765+38.85 AH
1800+60.87 BK = 1800+61.38 AH



FILE NAME =	USER NAME = carrollrt	DESIGNED - RTC	REVISED -
pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D5707[illegible]\CADData\CADsheets\D70765-sht-typicals.dgn		DRAWN - RTC	REVISED -
$MODELNAME$	PLOT SCALE = 40.0000 ' / in.	CHECKED - RLA	REVISED -
	PLOT DATE = 8/13/2015	DATE - 1/30/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINLINE TYPICAL CROSS SECTIONS

SCALE: | SHEET 1 OF 4 SHEETS | STA. | TO STA.

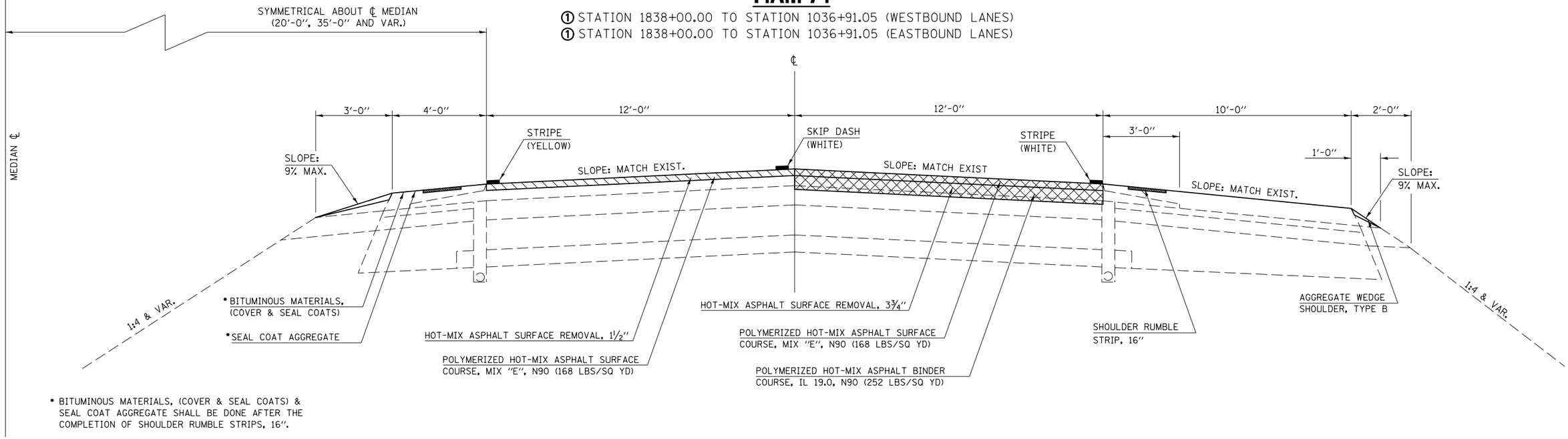
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	15
		CONTRACT NO. 70765		
		ILLINOIS FED. AID PROJECT		

② PROPOSED TYPICAL CROSS SECTION

F.A.I. 74

① STATION 1838+00.00 TO STATION 1036+91.05 (WESTBOUND LANES)
① STATION 1838+00.00 TO STATION 1036+91.05 (EASTBOUND LANES)

STATION EQUATIONS
1845+92.22 BK = 1845+93.65 AH
1870+24.62 BK = 1035+05.17 AH



* BITUMINOUS MATERIALS, (COVER & SEAL COATS) & SEAL COAT AGGREGATE SHALL BE DONE AFTER THE COMPLETION OF SHOULDER RUMBLE STRIPS, 16".

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D5707\DRAWINGData\CADsheets\D70765-sht-typicals.dgn	USER NAME = carrollrt	DESIGNED - RTC	REVISED -
		DRAWN - RTC	REVISED -
$MODELNAME$	PLOT SCALE = 40.0000 ' / in.	CHECKED - RLA	REVISED -
	PLOT DATE = 8/13/2015	DATE - 1/30/2013	REVISED -

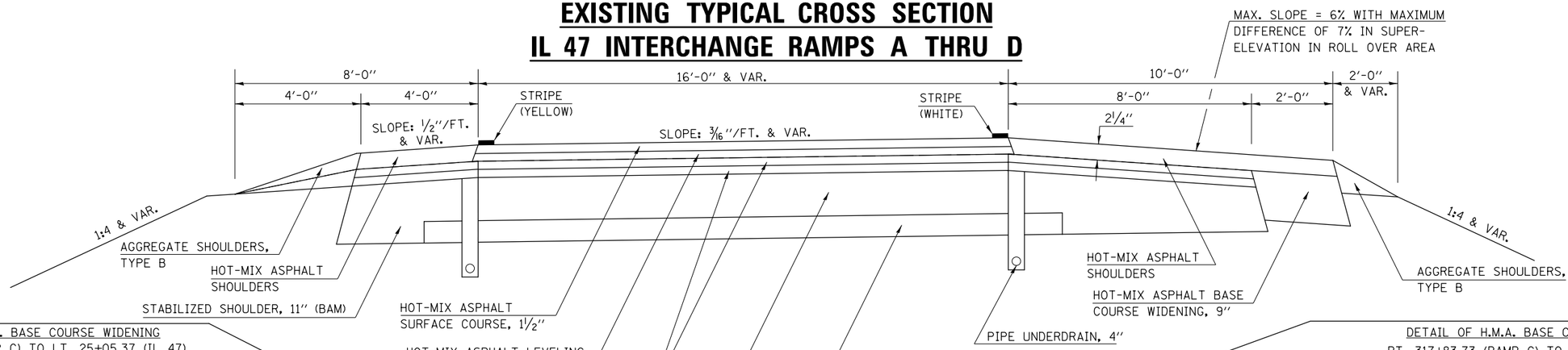
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINLINE TYPICAL CROSS SECTIONS

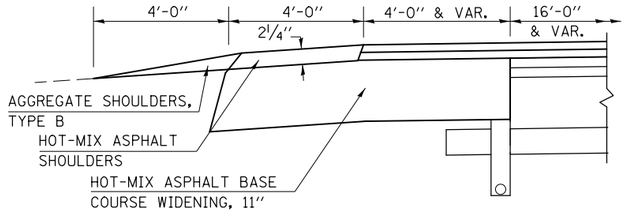
SCALE: | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	16
		CONTRACT NO. 70765		
	ILLINOIS FED. AID PROJECT			

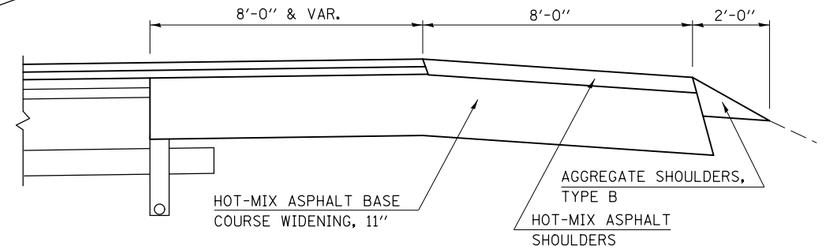
EXISTING TYPICAL CROSS SECTION
IL 47 INTERCHANGE RAMPS A THRU D



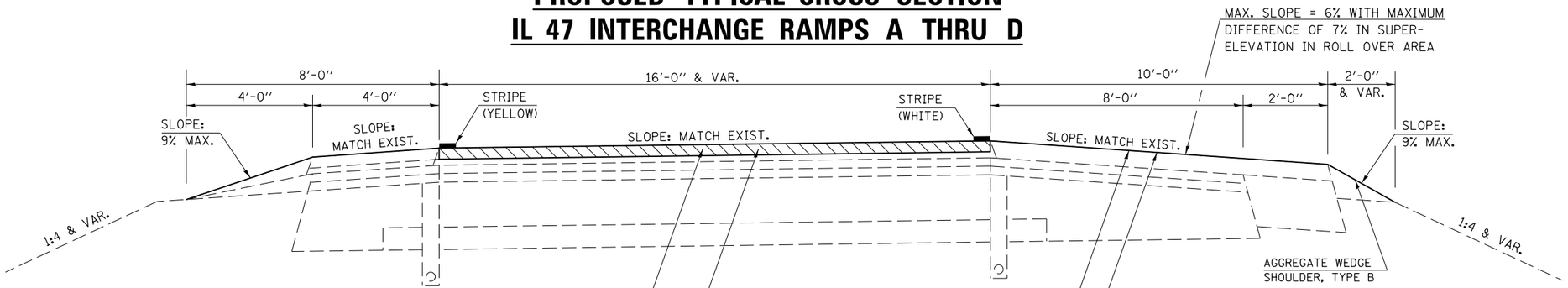
DETAIL OF H.M.A. BASE COURSE WIDENING
LT. 318+03.11 (RAMP C) TO LT. 25+05.37 (IL 47)
RT. 25+00.24 (IL 47) TO LT. 200+93.84 (RAMP B)
LT. 116+67.15 (RAMP A) TO RT. 35+04.50 (IL 47)
LT. 34+94.22 (IL 47) TO LT. 401+00.02 (RAMP D)



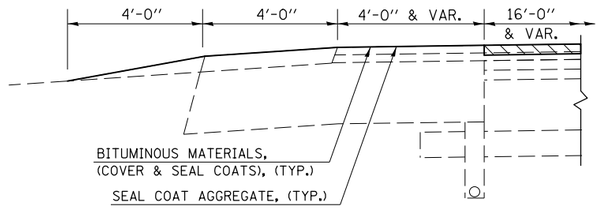
DETAIL OF H.M.A. BASE COURSE WIDENING
RT. 317+83.73 (RAMP C) TO LT. 23+26.50 (IL 47)
LT. 35+94.15 (IL 47) TO RT. 401+16.71 (RAMP D)



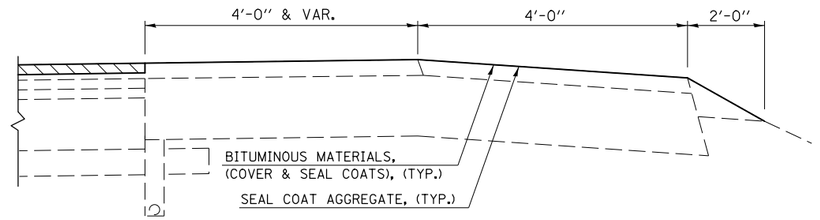
PROPOSED TYPICAL CROSS SECTION
IL 47 INTERCHANGE RAMPS A THRU D



DETAIL OF H.M.A. BASE COURSE WIDENING
LT. 318+03.11 (RAMP C) TO LT. 25+05.37 (IL 47)
RT. 25+00.24 (IL 47) TO LT. 200+93.84 (RAMP B)
LT. 116+67.15 (RAMP A) TO RT. 35+04.50 (IL 47)
LT. 34+94.22 (IL 47) TO LT. 401+00.02 (RAMP D)



DETAIL OF H.M.A. BASE COURSE WIDENING
RT. 317+83.73 (RAMP C) TO LT. 23+26.50 (IL 47)
LT. 35+94.15 (IL 47) TO RT. 401+16.71 (RAMP D)



FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D5707[illegible]\D70765-sht-typicals.dgn	USER NAME = carrollrt	DESIGNED - RTC	REVISED -
		DRAWN - RTC	REVISED -
$MODELNAME$	PLOT SCALE = 40.0000 ' / in.	CHECKED - RLA	REVISED -
	PLOT DATE = 8/13/2015	DATE - 1/30/2013	REVISED -

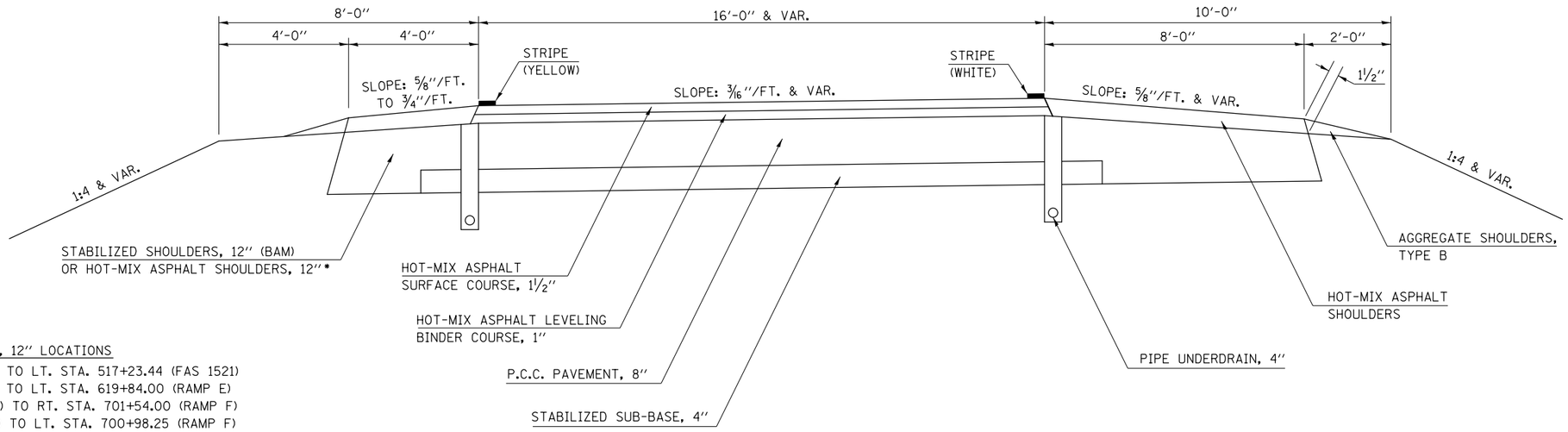
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCHANGE RAMP
TYPICAL CROSS SECTIONS

SCALE: | SHEET 3 OF 4 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	17
		CONTRACT NO. 70765		
		ILLINOIS	FED. AID PROJECT	

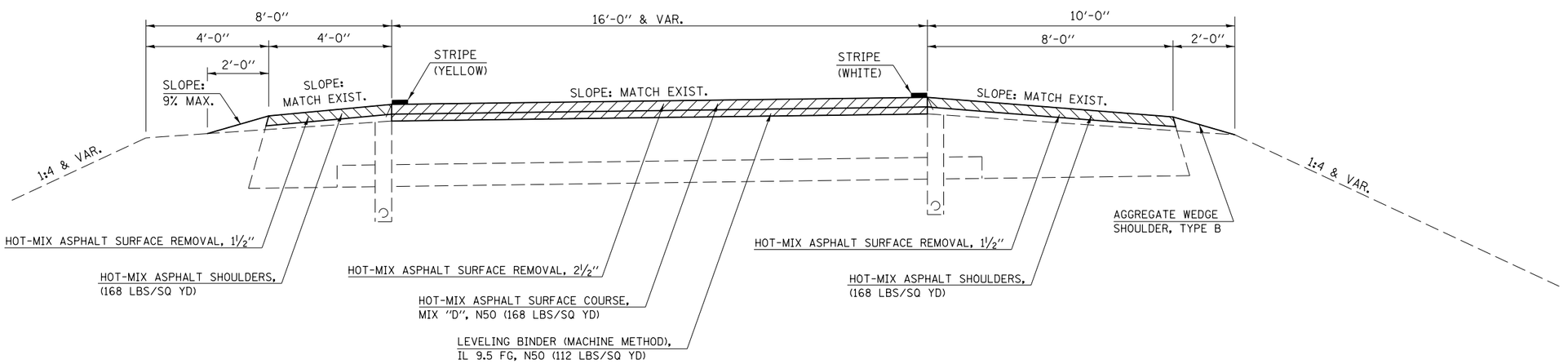
EXISTING TYPICAL CROSS SECTION
PRAIRIE VIEW ROAD INTERCHANGE RAMPS E THRU H



* HOT-MIX ASPHALT SHOULDERS, 12" LOCATIONS

RT. STA. 618+55.00 (RAMP E) TO LT. STA. 517+23.44 (FAS 1521)
LT. STA. 619+33.00 (RAMP E) TO LT. STA. 619+84.00 (RAMP E)
RT. STA. 503+32.07 (FAP 719) TO RT. STA. 701+54.00 (RAMP F)
LT. STA. 700+32.00 (RAMP F) TO LT. STA. 700+98.25 (RAMP F)
LT. STA. 819+41.11 (RAMP G) TO LT. STA. 819+85.00 (RAMP G)
RT. STA. 818+57.00 (RAMP G) TO LT. STA. 503+27.86 (FAP 719)
LT. STA. 518+26.00 (FAS 1521) TO LT. STA. 900+80.00 (RAMP H)
RT. STA. 900+98.85 (RAMP H) TO RT. STA. 900+42.00 (RAMP H)

PROPOSED TYPICAL CROSS SECTION
PRAIRIE VIEW ROAD INTERCHANGE RAMPS E THRU H



FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D5707BRAWN\Data\EADsheets\D70765-sht-typicals.dgn	USER NAME = carrollrt	DESIGNED - RTC	REVISED -
		DRAWN - RTC	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - RLA	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE - 1/30/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCHANGE RAMP
TYPICAL CROSS SECTIONS

SCALE: | SHEET 4 OF 4 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	18
		CONTRACT NO. 70765		
		ILLINOIS FED. AID PROJECT		

SCHEDULE OF QUANTITIES

MAINLINE RESURFACING AND AGGREGATE QUANTITIES

EASTBOUND DRIVING LANE

U/R	STA.	TO	STA.	LENGTH	LANE WIDTH	LANE AREA	SHLDR WIDTH	SHLDR AREA	40300100 BIT MATL (PRIME COAT)	40300300 BIT MATL COVER & SEAL	40300600 SEAL COAT AGG	40600275 BIT MATL (PRIME COAT)	40603240 POLY HMA BINDER IL-19.0 N90	40600982 HMA SURF REM BUTT JOINT	40600990 TEMP RAMP	40603570 POLY HMA SURF CSE MIX "E", N90 1.5 INCH	44000155 HMA SURFACE REM 1.5 INCH		44000164 HMA SURF REMOVAL 3.75 INCH	44000181 HMA SURFACE REMOVAL 7.75 INCH	48101200 AGG SHOULDER TYPE B	48102100 AGG WEDGE SHOULDER TYPE B	48203100 HMA SHLDRS (1.5 INCH)	64200116 RUMBLE STRIPS 16 INCH	X4401198 HMA SURF REMOVAL VARIABLE DEPTH	Z0034105 MATL TRANS DEVICE
																	LANE	SHLDR								
				FOOT	FOOT	SQ YD	FOOT	SQ YD	GALLON	GALLON	TON	POUND	TON	SQ YD	SQ YD	TON	SQ YD	SQ YD	SQ YD	SQ YD	TON	TON	TON	FOOT	SQ YD	TON
U	1501+00.00	TO	1502+11.00	111.00	12.0	148.00	10.0	123.33				188.70	51.80		7.0	12.43		123.33		148.00		2.44	10.36	111.00		64.23
U	1502+11.00	TO	1508+70.00	659.00	12.0	878.67	RAMP "C" OMISSION					790.80	307.53			73.81	RAMP "C" OMISSION			878.67	RAMP "C" OMISSION					381.34
U	1508+70.00	TO	1516+17.00	747.00	12.0	996.00	10.0	830.00				1,269.90	348.60			83.66		830.00		996.00		16.43	69.72	747.00		432.26
U	1516+17.00	TO	1518+04.76	187.76	12.0	250.35	10.0	208.62				319.19	57.83	458.97	7.0	21.03						4.13	17.52	187.76		78.86
OMISSION: SN 010-0015																										
U	1519+55.95	TO	1521+43.00	187.05	12.0	249.40	10.0	207.83				317.98	57.61	457.23	7.0	20.95						4.12	17.46	187.05		78.56
U	1521+43.00	TO	1527+35.00	592.00	12.0	789.33	10.0	657.78				1,006.40	276.27			66.30		657.78		789.33		13.02	55.25	592.00		342.57
U	1527+35.00	TO	1535+77.40	842.40	12.0	1,123.20	RAMP "B" OMISSION					1,010.88	393.12			94.35	RAMP "B" OMISSION			1,123.20	RAMP "B" OMISSION					487.47
U	1535+77.00	TO	1537+64.10	187.10	12.0	249.47	RAMP "B" OMISSION					224.52	57.63	249.47	7.0	20.96	RAMP "B" OMISSION				RAMP "B" OMISSION					78.58
OMISSION: SN 010-0016																										
U	1542+17.38	TO	1543+39.70	122.32	12.0	163.09	10.0	135.91				207.94	37.67	299.00	7.0	13.70						2.69	11.42	122.32		51.37
STATION EQUATION																										
U	1543+43.52	TO	1544+08.80	65.28	12.0	87.04	10.0	72.53				110.98	20.11	159.57		7.31						1.44	6.09	65.28		27.42
U	1544+08.80	TO	1545+14.50	105.70	12.0	140.93	10.0	117.44				179.69	49.33			11.84		117.44		140.93		2.33	9.87	105.70		61.17
U	1545+14.50	TO	1550+34.50	520.00	12.0	693.33	10.0	577.78				884.00	160.16			58.24		577.78				11.44	48.53	520.00	693.33	218.40
U	1550+34.50	TO	1573+24.16	2,289.66	12.0	3,052.88	10.0	2,544.07				3,892.42	1,068.51		7.0	256.44		2,544.07		3,052.88		50.37	213.70	2,289.66		1,324.95
STATION EQUATION																										
U	1573+28.80	TO	1602+45.30	2,916.50	12.0	3,888.67	10.0	3,240.56				4,958.05	1,361.03			326.65		3,240.56		3,888.67		64.16	272.21	2,916.50		1,687.68
U	1602+45.30	TO	1609+23.00	677.70	12.0	903.60	RAMP "G" OMISSION					813.24	316.26			75.90	RAMP "G" OMISSION			903.60	RAMP "G" OMISSION					392.16
U	1609+23.00	TO	1615+98.61	675.61	12.0	900.81	10.0	750.68				1,148.54	315.28		7.0	75.67		750.68		900.81		14.86	63.06	675.61		390.95
U	1615+98.61	TO	1621+28.61	530.00	12.0	706.67	10.0	588.89				901.00	163.24			59.36		588.89				11.66	49.47	530.00	706.67	222.60
U	1621+28.61	TO	1628+07.00	678.39	12.0	904.52	10.0	753.77				1,153.26	316.58			75.98		753.77		904.52		14.92	63.32	678.39		392.56
U	1628+07.00	TO	1638+89.55	1,082.55	12.0	1,443.40	RAMP "F" OMISSION					1,299.06	505.19		7.0	121.25	RAMP "F" OMISSION			1,443.40	RAMP "F" OMISSION					626.44
U	1638+89.55	TO	1670+37.88	3,148.33	12.0	4,197.77	10.0	3,498.14				5,352.16	1,469.22			352.61		3,498.14		4,197.77		69.26	293.84	3,148.33		1,821.83
STATION EQUATION																										
U	1670+40.16	TO	1739+00.00	6,859.84	12.0	9,146.45	10.0	7,622.04				11,661.73	3,201.26		7.0	768.30		7,622.04		9,146.45		150.92	640.25	6,859.84		3,969.56
U	1739+00.00	TO	1742+74.26	374.26	12.0	499.01	10.0	415.84				636.24	115.27			41.92		415.84				8.23	34.93	374.26	499.01	157.19
R	1742+74.26	TO	1747+00.00	425.74	12.0	567.65	10.0	473.04				723.76	131.13			47.68		473.04				9.37	39.74	425.74	567.65	178.81
R	1747+00.00	TO	1765+38.22	1,838.22	12.0	2,450.96	10.0	2,042.47				3,124.97	857.84			205.88		2,042.47		2,450.96		40.44	171.57	1,838.22		1,063.72
STATION EQUATION																										
R	1765+38.85	TO	1800+60.87	3,522.02	12.0	4,696.03	10.0	3,913.36				5,987.43	1,643.61		7.0	394.47		3,913.36		4,696.03		77.48	328.72	3,522.02		2,038.08
STATION EQUATION																										
R	1800+61.38	TO	1801+88.00	126.62	12.0	168.83	10.0	140.69				215.25	59.09			14.18		140.69		168.83		2.79	11.82	126.62		73.27
U	1801+88.00	TO	1838+00.00	3,612.00	12.0	4,816.00	10.0	4,013.33				6,140.40	1,685.60		7.0	404.54		4,013.33		4,816.00		79.46	337.12	3,612.00		2,090.14
U	1838+00.00	TO	1845+92.22	792.22	12.0	1,056.29	10.0	880.24	88.02	220.06	6.60	950.66	133.09			88.73			1,056.29			17.43		792.22		221.82
STATION EQUATION																										
U	1845+93.65	TO	1870+24.62	2,430.97	12.0	3,241.29	10.0	2,701.08	270.11	675.27	20.26	2,917.16	408.40			272.27			3,241.29			53.48		2,430.97		680.67
STATION EQUATION																										
U	1035+05.17	TO	1036+91.05	185.88	12.0	247.84	10.0	206.53	20.65	51.63	1.55	223.06	31.23		7.0	20.82			247.84					185.88		52.05
EASTBOUND DRIVING LANE URBAN TOTALS =									379.0	947.0	29.0	48,558.0	12,908.0	1,625.0	77.0	3,425.0		25,734.0	4,546.0	33,331.0	0.0	593.0	2,215.0	27,132.0	1,900.0	16,333.0
EASTBOUND DRIVING LANE RURAL TOTALS =									0.0	0.0	0.0	10,052.0	2,692.0	0.0	7.0	662.0		6,570.0	0.0	7,316.0	0.0	131.0	552.0	5,913.0	568.0	3,354.0
TOTALS =									379.0	947.0	29.0	58,610.0	15,600.0	1,625.0	84.0	4,087.0		32,304.0	4,546.0	40,647.0	0.0	724.0	2,767.0	33,045.0	2,468.0	19,687.0

Notes:

Bituminous Materials (Prime Coat) calculation includes 1 application at 0.05 lb/sq ft for the Passing Lane, Driving Lane, and Shoulders and an additional 2 applications at 0.025 lb/sq ft for the Driving Lane for Typical #1 or 1 application for the Driving Lane at 0.025 lb/sq ft for Typical #2.

U = Urban and R = Rural

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D5707[illegible]\CADData\CADsheets\D570765-sht-sched.dgn	USER NAME = carrollrt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
$MODELNAME$	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: | SHEET 1 OF 15 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	19
		CONTRACT NO. 70765		
	ILLINOIS FED. AID PROJECT			

SCHEDULE OF QUANTITIES

MAINLINE RESURFACING AND AGGREGATE QUANTITIES, CONT.

EASTBOUND PASSING LANE

U/R	STA.	TO	STA.	LENGTH	LANE WIDTH	LANE AREA	SHLDR WIDTH	SHLDR AREA	40300100 BIT MATL (PRIME COAT)	40300300 BIT MATL COVER & SEAL	40300600 SEAL COAT AGG	40600275 BIT MATL (PRIME COAT)	40603240 POLY HMA BINDER IL-19.0	40600982 HMA SURF REM BUTT JOINT	40600990 TEMP RAMP	40603570 POLY HMA SURF CSE MIX "E", N90 1.5 INCH	44000155 HMA SURFACE REM 1.5 INCH		44000164 HMA SURF REMOVAL 3.75 INCH	44000181 HMA SURFACE REMOVAL 7.75 INCH	48101200 AGG SHOULDER TYPE B	48102100 AGG WEDGE SHOULDER TYPE B	48203100 HMA SHLDRS (1.5 INCH)	64200116 RUMBLE STRIPS 16 INCH	X4401198 HMA SURF REMOVAL VARIABLE DEPTH	Z0034105 MATL TRANS DEVICE
																	LANE	SHLDR								
				FOOT	FOOT	SQ YD	FOOT	SQ YD	GALLON	GALLON	TON	POUND	TON	SQ YD	SQ YD	TON	SQ YD	SQ YD	SQ YD	SQ YD	TON	TON	TON	FOOT	SQ YD	TON
U	1501+00.00	TO	1516+17.00	1,517.00	12.0	2,022.67	4.0	674.22				1,213.60			7.0	169.90	2,022.67	674.22			169.90		56.63	1517.00		169.90
U	1516+17.00	TO	1518+04.76	187.76	12.0	250.35	4.0	83.45				150.21		333.80	7.0	21.03					21.03		7.01	187.76		21.03
OMISSION: SN 010-0015																										
U	1519+55.95	TO	1521+43.00	187.05	12.0	249.40	4.0	83.13				149.64		332.53	7.0	20.95					20.95		6.98	187.05		20.95
U	1521+43.00	TO	1537+68.00	1,625.00	12.0	2,166.67	4.0	722.22				1,300.00				182.00	2,166.67	722.22			182.00		60.67	1,625.00		182.00
U	1535+77.40	TO	1537+68.00	190.60	12.0	254.13	4.0	84.71				152.48		338.84	7.0	21.35					21.35		7.12	190.60		21.35
OMISSION: SN 010-0016																										
U	1542+21.55	TO	1543+39.70	118.15	12.0	157.53	4.0	52.51				94.52		210.04	7.0	13.23					13.23		4.41	118.15		13.23
STATION EQUATION																										
U	1543+43.52	TO	1544+08.80	65.28	12.0	87.04	4.0	29.01				52.22		116.05		7.31					7.31		2.44	65.28		7.31
U	1544+08.80	TO	1545+14.50	105.70	12.0	140.93	4.0	46.98				84.56				11.84	140.93	46.98			11.84		3.95	105.70		11.84
U	1545+14.50	TO	1550+34.50	520.00	12.0	693.33	4.0	231.11				433.33	87.36			58.24		231.11	693.33		58.24		19.41	520.00		145.60
U	1550+34.50	TO	1573+24.16	2,289.66	12.0	3,052.88	4.0	1,017.63				1,831.73				256.44	3,052.88	1,017.63			256.44		85.48	2,289.66		256.44
STATION EQUATION																										
U	1573+28.80	TO	1615+98.61	4,269.81	12.0	5,693.08	4.0	1,897.69				3,415.85				478.22	5,693.08	1,897.69			478.22		159.41	4,269.81		478.22
U	1615+98.61	TO	1621+28.61	530.00	12.0	706.67	4.0	235.56				441.67	89.04			59.36		235.56	706.67		59.36		19.79	530.00		148.40
U	1621+28.61		1670+37.88	4,909.27	12.0	6,545.69	4.0	2,181.90				3,927.42				549.84	6,545.69	2,181.90			549.84		183.28	4,909.27		549.84
STATION EQUATION																										
U	1670+40.16	TO	1739+00.00	6,859.84	12.0	9,146.45	4.0	3,048.82				5,487.87				768.30	9,146.45	3,048.82			768.30		256.10	6,859.84		768.30
U	1739+00.00	TO	1742+74.26	374.26	12.0	499.01	4.0	166.34				311.88	62.88			41.92		166.34	499.01		41.92		13.97	374.26		104.79
R	1742+74.26	TO	1743+10.00	35.74	12.0	47.65	4.0	15.88				29.78	6.00			4.00		15.88	47.65		4.00		1.33	35.74		10.01
R	1743+10.00	TO	1747+00.00	390.00	12.0	520.00	4.0	173.33				325.00	65.52			43.68		173.33	520.00			8.58	14.56	390.00		109.20
R	1747+00.00	TO	1765+38.22	1,838.22	12.0	2,450.96	4.0	816.99				1,470.58				205.88	2,450.96	816.99				40.44	68.63	1,838.22		205.88
STATION EQUATION																										
R	1765+38.85	TO	1800+60.87	3,522.02	12.0	4,696.03	4.0	1,565.34				2,817.62				394.47	4,696.03	1,565.34				77.48	131.49	3,522.02		394.47
STATION EQUATION																										
R	1800+61.38	TO	1801+88.00	126.62	12.0	168.83	4.0	56.28				101.30				14.18	168.83	56.28				2.79	4.73	126.62		14.18
U	1801+88.00	TO	1838+00.00	3,612.00	12.0	4,816.00	4.0	1,605.33				2,889.60				404.54	4,816.00	1,605.33				79.46	134.85	3,612.00		404.54
U	1838+00.00	TO	1845+92.22	792.22	12.0	1,056.29	4.0	352.10	35.21	88.02	2.64	475.33				88.73	1,056.29					17.43		792.22		88.73
STATION EQUATION																										
U	1845+93.65	TO	1870+24.62	2,430.97	12.0	3,241.29	4.0	1,080.43	108.04	270.11	8.10	3,079.23				272.27	3,241.29					53.48		2,430.97		272.27
STATION EQUATION																										
U	1035+05.17	TO	1036+91.05	185.88	12.0	247.84	4.0	82.61	8.26	20.65	0.62	235.45			7.0	20.82	247.84					4.09		185.88		20.82
EASTBOUND PASSING LANE URBAN TOTALS =									152.0	379.0	12.0	25,727.0	240.0	1,332.0	42.0	3,447.0		49,958.0	1,900.0	0.0	2,660.0	155.0	1,022.0	30,771.0	0.0	3,686.0
EASTBOUND PASSING LANE RURAL TOTALS =									0.0	0.0	0.0	4,745.0	72.0	0.0	0.0	663.0		9,944.0	568.0	0.0	5.0	130.0	221.0	5,913.0	0.0	734.0
TOTALS =									152.0	379.0	12.0	30,472.0	312.0	1,332.0	42.0	4,110.0		59,902.0	2,468.0	0.0	2,665.0	285.0	1,243.0	36,684.0	0.0	4,420.0

Notes:

Bituminous Materials (Prime Coat) calculation includes 1 application at 0.05 lb/sq ft for the Passing Lane, Driving Lane, and Shoulders and an additional 2 applications at 0.025 lb/sq ft for the Driving Lane for Typical #1 or 1 application for the Driving Lane at 0.025 lb/sq ft for Typical #2.

U = Urban and R = Rural

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DrawingData\EADsheets\D570765-sht-schedule.dgn	USER NAME = carrollrt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
$MODELNAME$	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: | SHEET 2 OF 15 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	20
		CONTRACT NO. 70765		
	ILLINOIS FED. AID PROJECT			

SCHEDULE OF QUANTITIES

MAINLINE RESURFACING AND AGGREGATE QUANTITIES, CONT.

WESTBOUND DRIVING LANE

U/R	STA.	TO	STA.	LENGTH	LANE WIDTH	LANE AREA	SHLDR WIDTH	SHLDR AREA	40300100 BIT MATL (PRIME COAT)	40300300 BIT MATL COVER & SEAL	40300600 SEAL COAT AGG	40600275 BIT MATL (PRIME COAT)	40603240 POLY HMA BINDER IL-19.0	40600982 HMA SURF REM BUTT JOINT	40600990 TEMP RAMP	40603570 POLY HMA SURF CSE MIX "E", N90 1.5 INCH	44000155 HMA SURFACE REM 1.5 INCH		44000164 HMA SURF REMOVAL 3.75 INCH	44000181 HMA SURFACE REMOVAL 7.75 INCH	48101200 AGG SHOULDER TYPE B	48102100 AGG WEDGE SHOULDER TYPE B	48203100 HMA SHLDRS (1.5 INCH)	64200116 RUMBLE STRIPS 16 INCH	X4401198 HMA SURF REMOVAL VARIABLE DEPTH	Z0034105 MATL TRANS DEVICE
																	LANE	SHLDR								
				FOOT	FOOT	SQ YD	FOOT	SQ YD	GALLON	GALLON	TON	POUND	TON	SQ YD	SQ YD	TON	SQ YD	SQ YD	SQ YD	SQ YD	TON	TON	TON	FOOT	SQ YD	TON
U	1496+51.00	TO	1507+12.00	1,061.00	12.0	1,414.67	RAMP "D" OMISSION					1,273.20	495.13		7.0	118.83	RAMP "D" OMISSION		1,414.67	RAMP "D" OMISSION						613.97
U	1507+12.00	TO	1515+98.00	886.00	12.0	1,181.33	10.0	984.44				1,506.20	413.47			99.23		984.44		1,181.33		19.49	82.69	886.00		512.70
U	1515+98.00	TO	1517+88.72	190.72	12.0	254.29	10.0	211.91				324.22	58.74	466.20	7.0	21.36						4.20	17.80	190.72		80.10
OMISSION: SN 010-0014																										
U	1519+38.50	TO	1521+26.00	187.50	12.0	250.00	10.0	208.33				318.75	57.75	458.33	7.0	21.00						4.13	17.50	187.50		78.75
U	1521+26.00	TO	1527+31.00	605.00	12.0	806.67	10.0	672.22				1,028.50	282.33			67.76		672.22		806.67		13.31	56.47	605.00		350.09
U	1527+31.00	TO	1534+90.68	759.68	12.0	1,012.91	RAMP "A" OMISSION					911.62	354.52			85.08	RAMP "A" OMISSION		1,012.91	RAMP "A" OMISSION						439.60
U	1534+90.68	TO	1537+68.00	277.32	12.0	369.76	10.0	308.13				471.44	129.42			31.06		308.13		369.76		6.10	25.88	277.32		160.48
U	1535+77.40	TO	1537+68.00	190.60	12.0	254.13	10.0	211.78				324.02	58.70	465.91	7.0	21.35						4.19	17.79	190.60		80.05
OMISSION: SN 010-0017																										
U	1542+21.55	TO	1543+39.70	118.15	12.0	157.53	10.0	131.28				200.86	36.39	288.81	7.0	13.23						2.60	11.03	118.15		49.62
STATION EQUATION																										
U	1543+43.52	TO	1544+08.80	65.28	12.0	87.04	10.0	72.53				110.98	20.11	159.57		7.31						1.44	6.09	65.28		27.42
U	1544+08.80	TO	1573+24.16	2,915.36	12.0	3,887.15	10.0	3,239.29				4,956.11	1,360.50			326.52		3,239.29		3,887.15		64.14	272.10	2,915.36		1,687.02
STATION EQUATION																										
U	1573+28.80	TO	1597+46.86	2,418.06	12.0	3,224.08	10.0	2,686.73				4,110.70	1,128.43		7.0	270.82		2,686.73		3,224.08		53.20	225.69	2,418.06		1,399.25
U	1597+46.86	TO	1608+08.00	1,061.14	12.0	1,414.85	RAMP "H" OMISSION					1,273.37	495.20			118.85	RAMP "H" OMISSION		1,414.85	RAMP "H" OMISSION						614.05
U	1608+08.00	TO	1628+73.50	2,065.50	12.0	2,754.00	10.0	2,295.00				3,511.35	963.90		7.0	231.34		2,295.00		2,754.00		45.44	192.78	2,065.50		1,195.24
U	1628+73.50	TO	1634+09.58	536.08	12.0	714.77	RAMP "E" OMISSION					643.30	250.17			60.04	RAMP "E" OMISSION		714.77	RAMP "E" OMISSION						310.21
U	1634+09.58	TO	1670+37.88	3,628.30	12.0	4,837.73	10.0	4,031.44				6,168.11	1,693.21		7.0	406.37		4,031.44		4,837.73		79.82	338.64	3,628.30		2,099.58
U	1670+40.16	TO	1742+74.26	7,234.10	12.0	9,645.47	10.0	8,037.89				12,297.97	3,375.91		7.0	810.22		8,037.89		9,645.47		159.15	675.18	7,234.10		4,186.13
R	1742+74.26	TO	1765+38.22	2,263.96	12.0	3,018.61	10.0	2,515.51				3,848.73	1,056.51			253.56		2,515.51		3,018.61		49.81	211.30	2,263.96		1,310.08
STATION EQUATION																										
R	1765+38.85	TO	1800+60.87	3,522.02	12.0	4,696.03	10.0	3,913.36				5,987.43	1,643.61		7.0	394.47		3,913.36		4,696.03		77.48	328.72	3,522.02		2,038.08
STATION EQUATION																										
R	1800+61.38	TO	1801+88.00	126.62	12.0	168.83	10.0	140.69				215.25	59.09			14.18		140.69		168.83		2.79	11.82	126.62		73.27
U	1801+88.00	TO	1838+00.00	3,612.00	12.0	4,816.00	10.0	4,013.33				6,140.40	1,685.60		7.0	404.54		4,013.33		4,816.00		79.46	337.12	3,612.00		2,090.14
U	1838+00.00	TO	1845+92.22	792.22	12.0	1,056.29	10.0	880.24	88.02	220.06	6.60	950.66	133.09			88.73			1,056.29			17.43		792.22		221.82
STATION EQUATION																										
U	1845+93.65	TO	1870+24.62	2,430.97	12.0	3,241.29	10.0	2,701.08	270.11	675.27	20.26	2,917.16	408.40		7.0	272.27			3,241.29			53.48		2,430.97		680.67
STATION EQUATION																										
U	1035+05.17	TO	1036+91.05	185.88	12.0	247.84	10.0	206.53	20.65	51.63	1.55	223.06	31.23		7.0	20.82			247.84			4.09		185.88		52.05
WESTBOUND DRIVING LANE URBAN TOTALS =									379.0	947.0	29.0	49,662.0	13,433.0	1,839.0	84.0	3,497.0		26,269.0	4,546.0	36,080.0	0.0	612.0	2,277.0	27,803.0	0.0	16,929.0
WESTBOUND DRIVING LANE RURAL TOTALS =									0.0	0.0	0.0	10,052.0	2,760.0	0.0	7.0	663.0		6,570.0	0.0	7,884.0	0.0	131.0	552.0	5,913.0	0.0	3,422.0
TOTALS =									379.0	947.0	29.0	59,714.0	16,193.0	1,839.0	91.0	4,160.0		32,839.0	4,546.0	43,964.0	0.0	743.0	2,829.0	33,716.0	0.0	20,351.0

Notes:

Bituminous Materials (Prime Coat) calculation includes 1 application at 0.05 lb/sq ft for the Passing Lane, Driving Lane, and Shoulders and an additional 2 applications at 0.025 lb/sq ft for the Driving Lane for Typical #1 or 1 application for the Driving Lane at 0.025 lb/sq ft for Typical #2.

U = Urban and R = Rural

FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -
pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DrawingData\CADsheets\D570765-sht-schedule.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: | SHEET 3 OF 15 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	21
		CONTRACT NO. 70765		
	ILLINOIS FED. AID PROJECT			

SCHEDULE OF QUANTITIES

MAINLINE RESURFACING AND AGGREGATE QUANTITIES, CONT.

WESTBOUND PASSING LANE

U/R	STA.	TO	STA.	LENGTH FOOT	LANE WIDTH FOOT	LANE AREA SQ YD	SHLDR WIDTH FOOT	SHLDR AREA SQ YD	40300100 BIT MATL (PRIME COAT) GALLON	40300300 BIT MATL COVER & SEAL GALLON	40300600 SEAL COAT AGG TON	40600275 BIT MATL (PRIME COAT) POUND	40603240 POLY HMA BINDER IL-19.0 N90 TON	40600982 HMA SURF REM BUTT JOINT SQ YD	40600990 TEMP RAMP SQ YD	40603570 POLY HMA SURF CSE MIX "E", N90 1.5 INCH TON	44000155 HMA SURFACE REM 1.5 INCH LANE SQ YD	44000155 HMA SURFACE REM 1.5 INCH SHLDR SQ YD	44000164 HMA SURF REMOVAL 3.75 INCH SQ YD	44000181 HMA SURFACE REMOVAL 7.75 INCH SQ YD	48101200 AGG SHOULDER TYPE B TON	48102100 AGG WEDGE SHOULDER TYPE B TON	48203100 HMA SHLDRS (1.5 INCH) TON	64200116 RUMBLE STRIPS 16 INCH FOOT	X4401198 HMA SURF REMOVAL VARIABLE DEPTH SQ YD	Z0034105 MATL TRANS DEVICE TON
U	1496+51.00	TO	1515+98.00	1,947.00	12.0	2,596.00	4.0	865.33				1,557.60			7.0	218.06	2,596.00	865.33			218.06		72.69	1,947.00		218.06
U	1515+98.00	TO	1517+88.72	190.72	12.0	254.29	4.0	84.76				381.44		339.06	7.0	21.36					21.36		7.12	190.72		21.36
OMISSION: SN 010-0014																										
U	1519+38.50	TO	1521+26.00	187.50	12.0	250.00	4.0	83.33				375.00		333.33	7.0	21.00					21.00		7.00	187.50		21.00
U	1519+43.43	TO	1537+68.00	1,824.57	12.0	2,432.76	4.0	810.92				1,459.66			7.0	204.35	2,432.76	810.92			204.35		68.12	1,824.57		204.35
OMISSION: SN 010-0017																										
U	1542+21.55	TO	1543+39.70	118.15	12.0	157.53	4.0	52.51				236.30		210.04	7.0	13.23					13.23		4.41	118.15		13.23
STATION EQUATION																										
U	1543+43.52	TO	1544+08.80	65.28	12.0	87.04	4.0	29.01				130.56		116.05		7.31					7.31		2.44	65.28		7.31
U	1543+43.52	TO	1573+24.16	2,980.64	12.0	3,974.19	4.0	1,324.73				2,384.51				333.83	3,974.19	1,324.73			333.83		111.28	2,980.64		333.83
STATION EQUATION																										
U	1573+28.80	TO	1670+37.88	9,709.08	12.0	12,945.44	4.0	4,315.15				7,767.26				1,087.42	12,945.44	4,315.15			1,087.42		362.47	9,709.08		1,087.42
STATION EQUATION																										
U	1670+40.16	TO	1742+74.26	7,234.10	12.0	9,645.47	4.0	3,215.16				5,787.28				810.22	9,645.47	3,215.16			810.22		270.07	7,234.10		810.22
R	1742+74.26	TO	1743+10.00	35.74	12.0	47.65	4.0	15.88				28.59				4.00	47.65	15.88			4.00		1.33	35.74		4.00
R	1743+10.00	TO	1765+38.22	2,228.22	12.0	2,970.96	4.0	990.32				1,782.58				249.56	2,970.96	990.32				49.02	83.19	2,228.22		249.56
STATION EQUATION																										
R	1765+38.85	TO	1800+60.87	3,522.02	12.0	4,696.03	4.0	1,565.34				2,817.62				394.47	4,696.03	1,565.34				77.48	131.49	3,522.02		394.47
STATION EQUATION																										
R	1800+61.38	TO	1801+88.00	126.62	12.0	168.83	4.0	56.28				101.30				14.18	168.83	56.28				2.79	4.73	126.62		14.18
U	1801+88.00	TO	1845+92.22	4,404.22	12.0	5,872.29	4.0	1,957.43				3,523.38				493.27	5,872.29	1,957.43				96.89	164.42	4,404.22		493.27
U	1838+00.00	TO	1845+92.22	792.22	12.0	1,056.29	4.0	352.10	35.21	88.02	2.64	475.33				88.73	1,056.29					17.43		792.22		88.73
STATION EQUATION																										
U	1845+93.65	TO	1870+24.62	2,430.97	12.0	3,241.29	4.0	1,080.43	108.04	270.11	8.10	1,458.58				272.27	3,241.29					53.48		2,430.97		272.27
STATION EQUATION																										
U	1035+05.17	TO	1036+91.05	185.88	12.0	247.84	4.0	82.61	8.26	20.65	0.62	111.53			7.0	20.82	247.84					4.09		185.88		20.82
WESTBOUND PASSING LANE URBAN TOTALS =									152.0	379.0	12.0	25,649.0	0.0	999.0	42.0	3,592.0		54,501.0	0.0	0.0	2,717.0	172.0	1,071.0	32,071.0	0.0	3,592.0
WESTBOUND PASSING LANE RURAL TOTALS =									0.0	0.0	0.0	4,731.0	0.0	0.0	0.0	663.0		10,512.0	0.0	0.0	5.0	130.0	221.0	5,913.0	0.0	663.0
TOTALS =									152.0	379.0	12.0	30,380.0	0.0	999.0	42.0	4,255.0		65,013.0	0.0	0.0	2,722.0	302.0	1,292.0	37,984.0	0.0	4,255.0
URBAN GRAND TOTALS =									1,062.0	2,652.0	82.0	149,596.0	26,581.0	5,795.0	245.0	13,962.0		156,462.0	10,992.0	69,411.0	5,377.0	1,532.0	6,585.0	117,777.0	1,900.0	40,540.0
RURAL GRAND TOTALS =									0.0	0.0	0.0	29,580.0	5,524.0	0.0	14.0	2,652.0		33,596.0	568.0	15,200.0	10.0	522.0	1,546.0	23,652.0	568.0	8,173.0
GRAND TOTALS =									1,062.0	2,652.0	82.0	179,176.0	32,105.0	5,795.0	259.0	16,614.0		190,058.0	11,560.0	84,611.0	5,387.0	2,054.0	8,131.0	141,429.0	2,468.0	48,713.0
USE =									1,062.0	2,652.0	82.0	179,176.0	32,105.0	5,795.0	259.0	16,614.0		190,058.0	11,560.0	84,611.0	5,387.0	2,054.0	8,131.0	141,429.0	2,468.0	48,713.0

Notes:

Bituminous Materials (Prime Coat) calculation includes 1 application at 0.05 lb/sq ft for the Passing Lane, Driving Lane, and Shoulders and an additional 2 applications at 0.025 lb/sq ft for the Driving Lane for Typical #1 or 1 application for the Driving Lane at 0.025 lb/sq ft for Typical #2.

U = Urban and R = Rural

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DRAWINGData\EADsheets\D570765-sht-schedul.dgn	USER NAME = carrollrt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: | SHEET 4 OF 15 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	22
		CONTRACT NO. 70765		
		ILLINOIS FED. AID PROJECT		

SCHEDULE OF QUANTITIES

INTERCHANGE RAMP RESURFACING AND AGGREGATE QUANTITIES

IL 47 INTERCHANGE

LOCATION	STA.	TO	STA.	LENGTH	AVE LANE WIDTH	LANE AREA	OUT SHLDR WIDTH	OUT SHLDR AREA	INSIDE SHLDR WIDTH	INSIDE SHLDR AREA	40300100 BIT MATL (PRIME COAT)	40300300 BIT MATL COVER & SEAL	40300600 SEAL COAT AGG	40600275 BITUMINOUS MATERIALS (PRIME COAT)	40600627 LEVELING BINDER (MM) IL-9.5FG, N50 1INCH	40600990 TEMP RAMP	40603335 HMA SURF CSE MIX "D" N50 1.5 INCH	44000155 HMA SURFACE REMOVAL 1.5 INCH	44000159 HMA SURFACE REMOVAL 2.5 INCH	48102100 AGGREGATE WEDGE SHOULDER, TYPE B		48203100 HMA SHOULDERS (1.5 INCH)	48203100 HMA SHOULDERS (2.5 INCH)
																				OUTSIDE	INSIDE		
				FOOT	FOOT	SQ YD	FOOT	SQ YD	FOOT	SQ YD	GALLON	GALLON	TON	POUND	TON	SQ YD	TON	SQ YD	SQ YD	TON	TON	TON	TON
RAMP A	100+00.00	TO	102+80.00	280.00	8.0	248.89	10.0	311.11						252.00			20.91	560.00		4.67		26.13	
GORE AREA	102+80.00	TO	106+58.00	378.00	8.0	336.00								151.20			28.22	336.00					
RAMP A	102+80.00	TO	106+58.00	378.00	16.0	672.00	10.0	420.00						491.40			56.45	1,092.00		6.30		35.28	
RAMP A	106+58.00	TO	116+62.66	1,004.66	16.0	1,786.06	10.0	1,116.29	4.0	446.52	156.28	390.70	11.72	803.73			150.03	1,786.06		16.74	16.74		
RAMP A RETURN	116+62.66	TO	117+34.15	71.49	VAR	330.47								148.71		55.60	27.76	330.47					
RAMP A RETURN	116+62.66	TO	35+00.00	68.50					4.0	30.44	3.04	7.61	0.23								1.14		
RAMP A RETURN	116+62.66	TO	36+27.00	127.00			10.0	141.11			14.11	35.28	1.06							2.12			
RAMP B RETURN	200+23.79	TO	200+84.64	60.85	VAR	314.94								141.72		44.50	26.46	314.94					
RAMP B RETURN	200+84.64	TO	201+49.94	65.30	17.8	128.79	10.0	72.56	4.0	29.02	10.16	25.39	0.76	90.60			10.82	128.79		1.09	1.09		
RAMP B RETURN	200+71.54	TO	201+49.94	78.40			10.0	87.11			8.71	21.78	0.65							1.31			
RAMP B RETURN	25+00.00	TO	201+49.94	62.00					4.0	27.56	2.76	6.89	0.21								1.03		
RAMP B	201+49.94	TO	208+94.90	744.96	16.0	1,324.37	10.0	827.73	4.0	331.09	115.88	289.71	8.69	595.97			111.25	1,324.37		12.42	12.42		
RAMP B	208+94.90	TO	210+32.00	137.10	16.0	243.73	10.0	152.33						178.23			20.47	396.07		2.28		12.80	
GORE AREA	208+94.90	TO	210+32.00	137.10	10.0	152.33								68.55			12.80	152.33					
RAMP B	210+32.00	TO	212+57.63	225.63	17.3	432.46	10.0	250.70						307.42			36.33	683.16		3.76		21.06	
RAMP B	212+57.63	TO	217+17.30	459.67	16.0	817.19	10.0	510.74						597.57			68.64	1,327.94		7.66		42.90	
RAMP C	300+00.00	TO	302+66.40	266.40	9.0	266.40	10.0	296.00						253.08			22.38	562.40		4.44		24.86	
RAMP C	302+66.40	TO	306+62.40	396.00	17.0	748.00	10.0	440.00						534.60			62.83	1,188.00		6.60		36.96	
GORE AREA	302+66.40	TO	306+62.40	396.00	8.0	352.00								158.40			29.57	352.00					
RAMP C	306+62.40	TO	317+78.00	1,115.60	16.0	1,983.29	10.0	1,239.56	4.0	495.82	173.54	433.84	13.02	892.48			166.60	1,983.29		18.59	18.59		
RAMP C RETURN	317+78.00	TO	318+70.06	92.06	VAR	483.21								217.45		55.60	40.59	483.21					
RAMP C RETURN	317+78.00	TO	25+08.00	93.00					4.0	41.33	4.13	10.33	0.31								1.55		
RAMP C RETURN	317+78.00	TO	23+36.00	176.00			10.0	195.56			19.56	48.89	1.47							2.93			
RAMP D RETURN	400+23.60	TO	401+03.75	80.15	VAR	333.27								149.97		50.00	27.99	333.27					
RAMP D RETURN	34+94.20	TO	401+03.75	81.90					4.0	36.40	3.64	9.10	0.27								1.37		
RAMP D RETURN	36+05.00	TO	401+03.75	114.50			10.0	127.22			12.72	31.81	0.95							1.91			
RAMP D	401+03.75	TO	411+54.68	1,050.93	16.0	1,868.32	10.0	1,167.70	4.0	467.08	163.48	408.70	12.26	840.74			156.94	1,868.32		17.52	17.52		
RAMP D	411+54.68	TO	414+94.32	339.64	16.0	603.80	10.0	377.38						441.53			50.72	981.18		5.66		31.70	
GORE AREA	411+54.68	TO	414+94.32	339.64	8.0	301.90								135.86			25.36	301.90					
RAMP D	414+94.32	TO	422+15.35	721.03	8.0	640.92	10.0	801.14						648.93			53.84	1,442.06		12.02		67.30	
IL 47 INTERCHANGE TOTALS =											688.1	1,720.1	51.7	8,100.2	0.0	205.7	1,207.0	17,927.8	0.0		199.5		299.0

INCIDENTAL HMA SCHEDULE

URBAN/ RURAL	LOCATION	STA.	AREA SQ FT	AREA SQ YD	40800025 BITUMINOUS MATERIALS (PRIME COAT) POUND	40800050 INCIDENTAL HMA SURFACING TON	X4400196 HMA SURFACE REMOVAL SPECIAL SQ YD
URBAN	X-OVER	1655+00.00	2,354.0	261.6	117.7	22.0	261.6
URBAN	X-OVER	1857+35.00	1,105.0	122.8	55.3	10.3	122.8
				URBAN TOTALS =	173.0	32.3	384.3
				ROUNDED URBAN TOTALS =	173.0	33.0	385.0
				RURAL TOTALS =	0.0	0.0	0.0
				USE =	173.0	33.0	385.0

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DRAWINGData\EADsheets\D570765-sht-schedule.dgn	USER NAME = carrollrt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: | SHEET 5 OF 15 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	23
		CONTRACT NO. 70765		
	ILLINOIS FED. AID PROJECT			

SCHEDULE OF QUANTITIES

INTERCHANGE RAMP RESURFACING AND AGGREGATE QUANTITIES, CONT.

PRAIRIE VIEW ROAD INTERCHANGE

LOCATION	STA.	TO	STA.	LENGTH	AVE. LANE WIDTH	LANE AREA	OUT SHLDR WIDTH	OUT SHLDR AREA	INSIDE SHLDR WIDTH	INSIDE SHLDR AREA	40300100 BIT MATL (PRIME COAT)	40300300 BIT MATL COVER & SEAL	40300600 SEAL COAT AGG	40600275 BITUMINOUS MATERIALS (PRIME COAT)	40600627 LEVELING BINDER (MM) IL-9.5FG, N50 (1INCH)	40600990 TEMP RAMP	40603335 HMA SURF CSE MIX "D" N50 (1.5 INCH)	44000155 HMA SURFACE REMOVAL 1.5 INCH	44000159 HMA SURFACE REMOVAL 2.5 INCH	48102100 AGGREGATE WEDGE SHOULDER, TYPE B		48203100 HMA SHOULDERS (1.5 INCH)	48203100 HMA SHOULDERS (2.5 INCH)
				FOOT	FOOT	SQ YD	FOOT	SQ YD	FOOT	SQ YD	GALLON	GALLON	TON	POUND	TON	SQ YD	TON	SQ YD	SQ YD	OUTSIDE TON	INSIDE TON	TON	TON
RAMP E	600+00.00	TO	603+18.00	318.00	8.0	282.67	10.0	353.33						8,248.92	15.83		23.74		636.00	5.30			49.47
RAMP E	603+18.00	TO	606+35.60	317.60	16.0	564.62	10.0	352.89						666.96	31.62		47.43		917.51	5.29			49.40
GORE AREA	603+18.00	TO	606+35.00	317.00	8.0	281.78								253.60	15.78		23.67		281.78				
RAMP E	606+35.00	TO	606+62.41	27.41	16.0	48.73	10.0	30.46	4.0	12.18				63.04	2.73		4.09	42.64	48.73	0.46	0.46	3.58	
RAMP E	606+62.41	TO	618+89.20	1,226.79	16.0	2,180.96	10.0	1,363.10	4.0	545.24				2,821.62	122.13		183.20	1,908.34	2,180.96	20.45	20.45	160.30	
RAMP E	619+00.34	TO	619+50.46	50.12	18.0	100.24	10.0	55.69	4.0	22.28				125.30	5.61		8.42	77.96	100.24	0.84	0.84	6.55	
RAMP E RETURN	619+50.46	TO	620+00.46	50.00	VAR	251.48								226.33	14.08	94.50	21.12		251.48				
RAMP E RETURN	619+50.46	TO	518+28.00	100.00			10.0	111.11						50.00				111.11		1.67		9.33	
RAMP E RETURN	619+50.46	TO	516+94.00	45.00					4.0	20.00				9.00				20.00			0.75	1.68	
RAMP F RETURN	700+23.00	TO	701+17.70	94.70	VAR	466.75								420.07	26.14	85.00	39.21		466.75				
RAMP F RETURN	503+41.00	TO	701+17.70	131.50			10.0	146.11						65.75				146.11		2.19		12.27	
RAMP F RETURN	504+62.00	TO	701+17.70	100.50					4.0	44.67				20.10				44.67			1.68	3.75	
RAMP F	701+17.70	TO	708+27.55	709.85	21.0	1,656.32	10.0	788.72	4.0	315.49				1,987.58	92.75		139.13	1,104.21	1,656.32	11.83	11.83	92.75	
RAMP F	708+27.55	TO	708+97.30	69.75	21.0	162.75	10.0	77.50	4.0	31.00				195.30	9.11		13.67	108.50	162.75	1.16	1.16	9.11	
RAMP F	708+97.30	TO	711+78.00	280.70	16.0	499.02	10.0	311.89						589.47	27.95		41.92		810.91	4.68			43.66
GORE AREA	708+97.30	TO	710+27.55	130.25	11.0	159.19								143.28	8.91		13.37		159.19				
GORE AREA	710+27.55	TO	711+78.00	150.45	2.5	41.79								37.61	2.34		3.51		41.79				
RAMP F	711+78.00	TO	719+77.45	799.45	8.0	710.62	10.0	888.28						1,039.29	39.79		59.69		1,598.90	13.32			124.36
RAMP G	800+00.00	TO	802+62.00	262.00	8.0	232.89	10.0	291.11						340.60	13.04		19.56		524.00	4.37			40.76
RAMP G	802+62.00	TO	806+48.00	386.00	16.0	686.22	10.0	428.89						810.60	38.43		57.64		1,115.11	6.43			60.04
GORE AREA	802+62.00	TO	806+48.00	386.00	9.5	407.44								366.70	22.82		34.23		407.44				
RAMP G	806+48.00	TO	818+03.76	1,155.76	16.0	2,054.68	10.0	1,284.18	4.0	513.67				2,658.25	115.06		172.59	1,797.85	2,054.68	19.26	19.26	151.02	
RAMP G	818+03.76	TO	819+16.54	112.78	16.0	200.50	10.0	125.31	4.0	50.12				259.39	11.23		16.84	175.44	200.50	1.88	1.88	14.74	
RAMP G RETURN	819+16.54	TO	820+02.80	86.26	VAR	275.92								248.33	15.45	94.50	23.18		275.92				
RAMP G RETURN	819+54.65	TO	502+98.00	179.60			10.0	199.56						89.80				199.56		2.99		16.76	
RAMP G RETURN	819+54.65	TO	504+62.00	82.00					4.0	36.44				16.40				36.44			1.37	3.06	
RAMP H RETURN	900+23.70	TO	900+86.90	45.00	VAR	398.46								358.61	22.31	94.50	33.47		398.46				
RAMP H RETURN	518+28.00	TO	900+86.90	128.00			10.0	142.22						64.00				142.22		2.13		11.95	
RAMP H RETURN	516+83.00	TO	900+86.90	61.00					4.0	27.11				12.20				27.11			1.02	2.28	
RAMP H	900+86.90	TO	901+27.90	41.00	16.0	72.89	10.0	45.56	4.0	18.22				94.30	4.08		6.12	63.78	72.89	0.68	0.68	5.36	
RAMP H	901+27.90	TO	909+37.40	809.50	16.0	1,439.11	10.0	899.44	4.0	359.78				1,861.85	80.59		120.89	1,259.22	1,439.11	13.49	13.49	105.77	
RAMP H	909+37.40	TO	912+36.70	299.30	16.0	532.09	10.0	332.56						628.53	29.80		44.70		864.64	4.99			46.56
GORE AREA	909+37.40	TO	912+36.70	299.30	9.0	299.30								269.37	16.76		25.14		299.30				
RAMP H	912+48.00	TO	919+97.85	749.85	8.0	666.53	10.0	833.17						974.81	37.33		55.99		1,499.70	12.50			116.64
PRAIRIE VIEW ROAD INTERCHANGE TOTALS =											0.0	0.0	0.0	26,017.0	821.7	368.5	1,232.6	7,265.2	18,465.1		210.8		1,141.2
INTERCHANGE GRAND TOTALS =											688.1	1,720.1	51.7	34,117.2	821.7	574.2	2,439.6	25,193.0	18,465.1		410.3		1,440.2
INTERCHANGE URBAN TOTALS =											689.0	1,721.0	52.0	34,118.0	822.0	575.0	2,440.0	25,193.0	18,466.0		411.0		1,441.0
INTERCHANGE RURAL TOTALS =											0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0		0.0
INTERCHANGE USE =											689.0	1,721.0	52.0	34,118.0	822.0	575.0	2,440.0	25,193.0	18,466.0		411.0		1,441.0

RESURFACING AND AGGREGATE QUANTITY SUMMARY

LOCATION	40300100 BIT MATL (PRIME COAT)	40300300 BIT MATL COVER & SEAL	40300600 SEAL COAT AGG	40600275 BITUMINOUS MATERIALS (PRIME COAT)	40600627 LEVELING BINDER (MM) IL-9.5FG, N50 1INCH	40600982 HMA SURFACE REMOVAL BUTT JOINT	40600990 TEMP RAMP	40603240 POLY HMA BINDER IL-19.0 N90	40603335 HMA SURF CSE MIX "D" N50 1.5 INCH	40603570 POLY HMA SURF CSE MIX "E", N90 1.5 INCH	44000155 HMA SURFACE REMOVAL 1.5 INCH	44000159 HMA SURFACE REMOVAL 2.5 INCH	44000164 HMA SURF REMOVAL 3.75 INCH	44000181 HMA SURFACE REMOVAL 7.75 INCH	48101200 AGG SHLDR TYPE B	48102100 AGG WEDGE SHLDR TYPE B	48203100 HMA SHLDRS	64200116 RUMBLE STRIPS 16 INCH	X4401198 HMA SURF REMOVAL VARIABLE DEPTH	Z0034105 MATERIAL TRANSFER DEVICE
	GALLON	GALLON	TON	POUND	TON	SQ YD	SQ YD	TON	TON	TON	SQ YD	SQ YD	SQ YD	SQ YD	TON	TON	TON	FOOT	SQ YD	TON
I-74 (URBAN)	1,062.0	2,652.0	82.0	149,596.0		5,795.0	245.0	26,581.0		13,962.0	156,462.0		10,992.0	69,411.0	5,377.0	1,532.0	6,585.0	117,777.0	1,900.0	40,540.0
I-74 (RURAL)				29,580.0			14.0	5,524.0		2,652.0	33,596.0			15,200.0	10.0	522.0	1,546.0	23,652.0	568.0	8,173.0
INTERCHANGE (URBAN)	689.0	1,721.0	52.0	34,118.0	822.0		575.0		2,440.0		25,193.0	18,466.0				411.0	1,441.0			
INTERCHANGE (RURAL)																				
URBAN TOTALS =	1,751.0	4,373.0	134.0	183,714.0	822.0	5,795.0	820.0	26,581.0	2,440.0	13,962.0	181,655.0	18,466.0	10,992.0	69,411.0	5,377.0	1,943.0	8,026.0	117,777.0	1,900.0	40,540.0
RURAL TOTALS =				29,580.0			14.0	5,524.0		2,652.0	33,596.0			15,200.0	10.0	522.0	1,546.0	23,652.0	568.0	8,173.0
TOTALS =	1,751.0	4,373.0	134.0	213,294.0	822.0	5,795.0	834.0	32,105.0	2,440.0	16,614.0	215,251.0	18,466.0	10,992.0	84,611.0	5,387.0	2,465.0	9,572.0	141,429.0	2,468.0	48,713.0

FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -
pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D5707[illegible]\DrawingData\CADsheets\D570765-sht-sched.dgn		DRAWN -	REVISED -
$MODELNAME$	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: | SHEET 6 OF 15 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	24
		CONTRACT NO. 70765		
		ILLINOIS FED. AID PROJECT		

SCHEDULE OF QUANTITIES

EARTHWORK SCHEDULE

URBAN/ RURAL	DIR.	STATION	TO	STATION	DESCRIPTION	STRUCTURE NUMBER	CORRESPONDING WORK	20200100 EARTH EXCAVATION (CU YD)	EARTH EXC ADJ. FOR SHRINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
URBAN	WB	113+45.00	TO	117+00.00	RAMP A OUT SHLDR		GUARDRAIL	0.0	0.0	30.9	-30.9
URBAN	WB	1511+00.00	TO	1513+00.00	MED SHLDR		AGG SHOULDER	0.0	0.0	2.2	-2.2
URBAN	EB	1511+00.00	TO	1513+00.00	MED SHLDR		AGG SHOULDER	0.0	0.0	6.2	-6.2
URBAN	EB	1515+42.47	TO	1518+08.00	OUTSIDE SHLDR	010-0015	GUARDRAIL	0.0	0.0	24.0	-24.0
URBAN	EB	1515+82.85	TO	1517+50.00	MEDIAN	010-0015	GUARDRAIL	0.0	0.0	34.7	-34.7
URBAN	WB	1520+84.00	TO	1522+00.00	OUTSIDE SHLDR	010-0014	GUARDRAIL	0.0	0.0	12.4	-12.4
URBAN	WB	1520+84.00	TO	1521+52.50	MEDIAN	010-0014	GUARDRAIL	0.0	0.0	5.8	-5.8
URBAN	EB	1521+00.00	TO	1523+00.00	MED SHLDR		AGG SHOULDER	0.0	0.0	11.9	-11.9
URBAN	EB	1534+66.18	TO	1537+65.00	OUTSIDE SHLDR	010-0016	GUARDRAIL	0.0	0.0	12.5	-12.5
URBAN	EB	1535+75.18	TO	1537+65.00	MEDIAN	010-0016	GUARDRAIL	0.0	0.0	9.5	-9.5
URBAN	WB	1542+17.00	TO	1544+57.50	OUTSIDE SHLDR	010-0017	GUARDRAIL	0.0	0.0	9.4	-9.4
URBAN	WB	1542+17.00	TO	1543+93.50	MEDIAN	010-0017	GUARDRAIL	0.0	0.0	10.9	-10.9
URBAN	WB	1574+00.00	TO	1579+00.00	MED SHLDR		AGG SHOULDER	31.0	23.2	34.6	-11.3
URBAN	EB	1576+00.00	TO	1579+00.00	MED SHLDR		AGG SHOULDER	42.6	31.9	137.1	-105.2
URBAN	EB	1615+80.57	TO	1618+46.00	OUTSIDE SHLDR	010-0159	GUARDRAIL	0.0	0.0	5.3	-5.3
URBAN	WB	1618+40.00	TO	1621+02.32	OUTSIDE SHLDR	010-0159	GUARDRAIL	55.9	41.9	13.1	28.8
URBAN		1616+05.40	TO	1620+78.70	MEDIAN	010-0159	ATTENUATOR	25.8	19.3	269.2	-249.8
URBAN	WB	1626+00.00	TO	1632+00.00	MED SHLDR		AGG SHOULDER	0.0	0.0	15.1	-15.1
URBAN	WB	1681+00.00	TO	1693+00.00	MED SHLDR		AGG SHOULDER	0.0	0.0	56.1	-56.1
URBAN	EB	1669+00.00	TO	1674+00.00	MED SHLDR		AGG SHOULDER	0.0	0.0	81.5	-81.5
URBAN	EB	1713+00.00	TO	1718+00.00	MED SHLDR		AGG SHOULDER	0.0	0.0	53.3	-53.3
URBAN		1740+62.50	TO	1742+75.00	MEDIAN	010-0167	ATTENUATOR	18.0	13.5	83.5	-70.0
RURAL		1742+75.00	TO	1744+50.00	MEDIAN	010-0167	ATTENUATOR	17.3	13.0	64.7	-51.8
RURAL	WB	1742+52.00	TO	1745+92.65	OUTSIDE SHLDR	010-0167	GUARDRAIL	0.0	0.0	31.0	-31.0
RURAL	SB				NW QUAD	010-0167	GUARDRAIL	0.0	0.0	8.0	-8.0
RURAL	NB				NE QUAD	010-0167	GUARDRAIL	0.0	0.0	8.0	-8.0
RURAL	SB				SW QUAD	010-0167	GUARDRAIL	0.0	0.0	8.0	-8.0
RURAL	NB				SE QUAD	010-0167	GUARDRAIL	0.0	0.0	8.0	-8.0
URBAN	EB	1821+38.50	TO	1822+11.00	OUTSIDE SHLDR	SIGN TRUSS	GUARDRAIL	0.0	0.0	12.7	-12.7
URBAN	N/A	1823+00.00	TO	1826+00.00	MEDIAN	SIGN TRUSS	ATTENUATOR	5.4	4.0	9.5	-5.4
URBAN	EB	1834+09.61	TO	1837+00.00	OUTSIDE SHLDR	010-0169	GUARDRAIL	0.0	0.0	49.0	-49.0
URBAN	WB	1837+24.00	TO	1839+04.29	OUTSIDE SHLDR	010-0169	GUARDRAIL	0.0	0.0	1.0	-1.0
URBAN	N/A	1836+28.52	TO	1838+50.00	MEDIAN	010-0169	ATTENUATOR	7.0	5.3	10.7	-5.4
							URBAN TOTALS =	185.6	139.2	1,002.0	-862.8
							ROUNDED URBAN TOTALS =	185.0	20400800 FURNISHED EXC. =		865.0
							RURAL TOTALS =	17.3	13.0	127.7	-114.7
							ROUNDED RURAL TOTALS =	20.0	20400800 FURNISHED EXC. =		115.0
							TOTAL =	202.9	152.2	1,129.7	-977.5
							USE =	205.0	20400800 FURNISHED EXC. =		980.0

NOTES:

1) THE SHRINKAGE FACTOR USED IS 25%
2) 20400800 FURNISHED EXCAVATION = 980.0 CU YD

EARTHWORK SCHEDULE, CONT.

URBAN/ RURAL	LEFT/ RIGHT	STATION	TO	STATION	20201200 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)
URBAN	LEFT	1496+51.00	TO	1518+04.76	81.14
OMISSION					
URBAN	LEFT	1519+55.95	TO	1527+31.00	29.70
OMISSION					
URBAN	LEFT	1532+00.00	TO	1537+68.00	21.88
URBAN	LEFT	1542+21.55	TO	1543+39.70	4.55
STATION EQUATION					
URBAN	LEFT	1543+43.52	TO	1573+24.16	123.64
STATION EQUATION					
URBAN	LEFT	1573+28.80	TO	1618+50.00	214.85
URBAN	LEFT	1618+50.00	TO	1670+37.88	235.94
STATION EQUATION					
URBAN	LEFT	1670+40.16	TO	1741+25.00	283.72
URBAN	LEFT	1741+25.00	TO	1743+00.00	4.00
				LEFT SUB-TOTAL =	999.42
URBAN	RIGHT	1501+00.00	TO	1518+04.76	78.6
OMISSION					
URBAN	RIGHT	1519+55.95	TO	1527+31.00	30.3
OMISSION					
URBAN	RIGHT	1532+00.00	TO	1537+68.00	25.2
OMISSION					
URBAN	RIGHT	1542+21.55	TO	1543+39.70	5.3
STATION EQUATION					
URBAN	RIGHT	1543+43.52	TO	1573+24.16	132.5
STATION EQUATION					
URBAN	RIGHT	1573+28.80	TO	1618+50.00	194.4
URBAN	RIGHT	1618+50.00	TO	1670+37.88	228.6
STATION EQUATION					
URBAN	RIGHT	1670+40.16	TO	1741+25.00	336.1
URBAN	RIGHT	1741+25.00	TO	1743+10.00	5.4
				RIGHT SUB-TOTAL =	1,036.3
				URBAN TOTALS =	2,035.7
				ROUNDED URBAN TOTALS =	2,036.0
				RURAL TOTALS =	0.0
				TOTAL =	2,040.0

NOTE: UNSUITABLE MATERIAL NOT USED IN BALANCING EARTHWORK QUANTITIES.

RIPRAP SCHEDULE

URBAN/ RURAL	STA.	STRUCTURE NUMBER	LOCATION	DESCRIPTION	28100707 STONE DUMPED RIPRAP, CL A4 SQ YD	28200200 FILTER FABRIC SQ YD
URBAN	1604+00.00	N/A	I-74	RT OUTSIDE DITCH	15.0	15.0
URBAN	908+00.00	N/A	RAMP H	RT OUTSIDE DITCH	12.0	12.0
URBAN	1713+36.50	010-8048	I-74	LT OUTSIDE DITCH	45.0	45.0
URBAN	1713+60.00	010-8048	I-74	RT OUTSIDE DITCH	45.0	45.0
				URBAN TOTAL =	117.0	117.0
				RURAL TOTAL =	0.0	0.0
				TOTAL =	117.0	117.0

21400100

GRADING & SHAPING DITCHES

URBAN/ RURAL	LOCATION	STA.	TO	STA.	FOOT
URBAN	RAMP C	306+70.00	TO	307+10.00	40.0
URBAN	RAMP G	808+50.00	TO	809+50.00	100.0
URBAN	RAMP H	908+00.00	TO	909+00.00	100.0
				URBAN TOTAL =	240.0
				RURAL TOTAL =	0.0
				TOTAL =	240.0

SCHEDULE OF QUANTITIES

SEEDING SCHEDULE

URBAN/ RURAL	DIR.	STATION	TO	STATION	DESCRIPTION	STRUCTURE NUMBER	CORRESPONDING WORK	AREA (SQ FT)	AREA (ACRE)	25000210 SEEDING CLASS 2A ACRE	25000400 NITROGEN FERTILIZER NUTRIENT POUND	25000500 PHOSPHORUS FERTILIZER NUTRIENT POUND	25000600 POTASSIUM FERTILIZER NUTRIENT POUND	25100115 MULCH METHOD 2 ACRE	28000250 TEMPORARY EROSION CONTROL SEEDING POUND
URBAN		113+45.00	TO	117+00.00	RAMP A SHLDR		GUARDRAIL	4,055.0	0.093	0.093	8.4	8.4	8.4	0.09	9.3
URBAN		306+70.00	TO	307+10.00	RAMP C DITCH		GRAD/SHP DITCH	200.0	0.005	0.005	0.4	0.4	0.4	0.00	0.5
URBAN		808+50.00	TO	809+50.00	RAMP G DITCH		GRAD/SHP DITCH	500.0	0.01	0.01	1.0	1.0	1.0	0.01	1.1
URBAN		908+00.00	TO	909+00.00	RAMP H DITCH		GRAD/SHP DITCH	500.0	0.01	0.01	1.0	1.0	1.0	0.01	1.1
URBAN	WB	1511+00.00	TO	1513+00.00	MED SHLDR		AGG SHOULDER	500.0	0.01	0.01	1.0	1.0	1.0	0.01	1.1
URBAN	EB	1511+00.00	TO	1513+00.00	MED SHLDR		AGG SHOULDER	1,100.0	0.03	0.03	2.3	2.3	2.3	0.03	2.5
URBAN	EB	1515+82.85	TO	1517+50.00	MED SHLDR	010-0015	GUARDRAIL	1,836.2	0.04	0.04	3.8	3.8	3.8	0.04	4.2
URBAN	EB	1515+42.47	TO	1518+08.00	OUTSIDE SHLDR	010-0015	GUARDRAIL	2,156.6	0.05	0.05	4.5	4.5	4.5	0.05	5.0
URBAN	WB	1520+84.00	TO	1521+52.50	MED SHLDR	010-0014	GUARDRAIL	685.2	0.02	0.02	1.4	1.4	1.4	0.02	1.6
URBAN	WB	1520+84.00	TO	1522+00.00	OUTSIDE SHLDR	010-0014	GUARDRAIL	1,311.5	0.03	0.03	2.7	2.7	2.7	0.03	3.0
URBAN	EB	1521+00.00	TO	1523+00.00	MED SHLDR		AGG SHOULDER	1,160.0	0.03	0.03	2.4	2.4	2.4	0.03	2.7
URBAN	EB	1534+66.18	TO	1537+65.00	OUTSIDE SHLDR	010-0016	GUARDRAIL	2,271.6	0.05	0.05	4.7	4.7	4.7	0.05	5.2
URBAN	EB	1535+75.18	TO	1537+65.00	MEDIAN	010-0016	GUARDRAIL	1,175.5	0.03	0.03	2.4	2.4	2.4	0.03	2.7
URBAN	WB	1542+17.00	TO	1544+57.50	OUTSIDE SHLDR	010-0017	GUARDRAIL	1,109.3	0.03	0.03	2.3	2.3	2.3	0.03	2.5
URBAN	WB	1542+17.00	TO	1543+93.50	MEDIAN	010-0017	GUARDRAIL	1,237.3	0.03	0.03	2.6	2.6	2.6	0.03	2.8
URBAN	WB	1574+00.00	TO	1579+00.00	MED SHLDR		AGG SHOULDER	5,150.0	0.12	0.12	10.6	10.6	10.6	0.12	11.8
URBAN	EB	1576+00.00	TO	1579+00.00	MED SHLDR		AGG SHOULDER	3,968.8	0.09	0.09	8.2	8.2	8.2	0.09	9.1
URBAN	EB	1615+80.57	TO	1618+46.00	OUTSIDE SHLDR	010-0159	GUARDRAIL	2,700.5	0.06	0.06	5.6	5.6	5.6	0.06	6.2
URBAN	WB	1618+40.00	TO	1621+02.32	OUTSIDE SHLDR	010-0159	GUARDRAIL	1,138.7	0.03	0.03	2.4	2.4	2.4	0.03	2.6
URBAN		1616+05.40	TO	1620+78.70	MEDIAN	010-0159	ATTENUATOR	21,997.0	0.50	0.50	45.4	45.4	45.4	0.50	50.5
URBAN	WB	1626+00.00	TO	1632+00.00	MED SHLDR		AGG SHOULDER	2,110.0	0.05	0.05	4.4	4.4	4.4	0.05	4.8
URBAN	WB	1681+00.00	TO	1693+00.00	MED SHLDR		AGG SHOULDER	7,700.0	0.18	0.18	15.9	15.9	15.9	0.18	17.7
URBAN	EB	1669+00.00	TO	1674+00.00	MED SHLDR		AGG SHOULDER	4,400.0	0.10	0.10	9.1	9.1	9.1	0.10	10.1
URBAN	EB	1713+00.00	TO	1718+00.00	MED SHLDR		AGG SHOULDER	3,000.0	0.07	0.07	6.2	6.2	6.2	0.07	6.9
URBAN		1740+62.50	TO	1742+75.00	MEDIAN	010-0167	ATTENUATOR	9,695.7	0.22	0.22	20.0	20.0	20.0	0.22	22.3
RURAL		1742+75.00	TO	1744+50.00	MEDIAN	010-0167	ATTENUATOR	6,655.9	0.15	0.15	13.8	13.8	13.8	0.15	15.3
RURAL	WB	1742+52.00	TO	1745+92.65	OUTSIDE SHLDR	010-0167	GUARDRAIL	2,488.3	0.06	0.06	5.1	5.1	5.1	0.06	5.7
URBAN	EB	1821+38.50	TO	1822+11.00	OUTSIDE SHLDR	SIGN TRUSS	GUARDRAIL	799.4	0.02	0.02	1.7	1.7	1.7	0.02	1.8
URBAN	N/A	1823+00.00	TO	1826+00.00	MEDIAN	SIGN TRUSS	ATTENUATOR	2,801.3	0.06	0.06	5.8	5.8	5.8	0.06	6.4
URBAN	EB	1834+09.61	TO	1837+00.00	OUTSIDE SHLDR	010-0169	GUARDRAIL	2,681.6	0.06	0.06	5.5	5.5	5.5	0.06	6.2
URBAN	WB	1837+24.00	TO	1839+04.29	OUTSIDE SHLDR	010-0169	GUARDRAIL	725.6	0.02	0.02	1.5	1.5	1.5	0.02	1.7
URBAN	N/A	1836+28.52	TO	1838+50.00	MEDIAN	010-0169	ATTENUATOR	2,192.1	0.05	0.05	4.5	4.5	4.5	0.05	5.0
							URBAN TOTALS =	90,858.8	2.09	2.09	187.73	187.73	187.73	2.09	208.59
							ROUNDED URBAN TOTALS =	90,859.0	2.25	2.25	202.50	202.50	202.50	2.25	225.00
							RURAL TOTALS =	9,144.2	0.21	0.21	18.90	18.90	18.90	0.21	21.00
							ROUNDED RURAL TOTALS =	9,144.0	0.25	0.25	22.50	22.50	22.50	0.25	25.00
							TOTALS =		2.50	2.50	225.00	225.00	225.00	2.50	250.00

44004000
PAVED DITCH REMOVAL

URBAN/ RURAL	LOCATION	STA.	TO	STA.	FOOT
URBAN	RAMP C	306+90.00	TO	307+10.00	20.0
				URBAN TOTAL =	20.0
				RURAL TOTAL =	0.0
				TOTAL =	20.0

EROSION CONTROL SCHEDULE

URBAN/ RURAL	DESCRIPTION	STA.	LOCATION	28000305 TEMPORARY DITCH CHECKS FOOT	28000400 PERIMETER EROSION BARRIER FOOT	28000500 INLET AND PIPE PROTECTION EACH
URBAN	RAMP C	306+90.00	RT OUT SHLDR	15.0		
URBAN	I-74	1542+00 TO 1545+00	LT OUT SHLDR		300.0	
URBAN	I-74	1577+50.00	MEDIAN	35.0		
URBAN	I-74	1578+50.00	MEDIAN	35.0		
URBAN	RAMP H	908+00.00	LT OUT DITCH			1.0
URBAN	RAMP G	809+00.00	RT OUT DITCH			1.0
URBAN	I-74	1616+50.00	MEDIAN	35.0		
URBAN	I-74	1617+50.00	MEDIAN	35.0		
URBAN	I-74	1619+50.00	MEDIAN	35.0		
URBAN	I-74	1619+71.00	MEDIAN			1.0
URBAN	I-74	1620+00.00	MEDIAN	35.0		
URBAN	I-74	1620+00.00	LT OUT SHLDR	15.0		
URBAN	I-74	1715+50.00	MEDIAN			1.0
URBAN	I-74	1741+15.00	MEDIAN			1.0
RURAL	I-74	1744+55.00	LT OUT SHLDR			1.0
URBAN	I-74	1835+00.00	RT OUT SHLDR			1.0
URBAN	I-74	1839+00.00	MEDIAN	35.0		
			URBAN TOTALS =	275.0	300.0	6.0
			RURAL TOTALS =	0.0	0.0	1.0
			GRAND TOTALS =	275.0	300.0	7.0

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\BRMNData\EADsheets\D570765-sht-schedule.dgn	USER NAME = carrollrt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
$MODELNAME$	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: | SHEET 8 OF 15 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	26
		CONTRACT NO. 70765		
	ILLINOIS FED. AID PROJECT			

SCHEDULE OF QUANTITIES

PATCHING SCHEDULE

WESTBOUND PATCHES

URBAN/ RURAL	STATION	DIRECTION	LANE	LENGTH	WIDTH	44200637 TYPE II 17.0"	44200641 TYPE III 17.0"	44200643 TYPE IV 17.0"	44213200 SAW CUTS	44213204 TIE BARS 3/4"	44213000 PATCHING REINFORCEMENT
				(FT)	(FT)	(SQ YD)	(SQ YD)	(SQ YD)	(FT)	(EACH)	(SQ YD)
URBAN	1514+90.61	WB	DL	8	12	10.7	0.0	0.0	64.0	0.0	10.7
URBAN	1516+33.17	WB	DL	6	12	8.0	0.0	0.0	60.0	0.0	8.0
URBAN	1517+12.37	WB	PL	6	12	8.0	0.0	0.0	60.0	0.0	8.0
URBAN	1517+22.93	WB	DL	30	12	0.0	0.0	40.0	108.0	15.0	40.0
URBAN	1519+13.01	WB	PL	20	12	0.0	0.0	26.7	88.0	10.0	26.7
URBAN	1519+92.21	WB	DL	6	12	8.0	0.0	0.0	60.0	0.0	8.0
URBAN	1532+01.33	WB	PL	6	12	8.0	0.0	0.0	60.0	0.0	8.0
URBAN	1537+50.45	WB	DL	8	12	10.7	0.0	0.0	64.0	0.0	10.7
URBAN	1544+26.29	WB	DL	6	12	8.0	0.0	0.0	60.0	0.0	8.0
URBAN	1579+53.33	WB	DL	6	12	8.0	0.0	0.0	60.0	0.0	8.0
URBAN	1584+70.77	WB	DL	10	12	13.3	0.0	0.0	68.0	0.0	13.3
RURAL	1795+11.57	WB	DL	6	12	8.0	0.0	0.0	60.0	0.0	8.0
					WESTBOUND TOTALS =	90.7	0.0	66.7	812.0	25.0	157.3

EASTBOUND PATCHES

URBAN/ RURAL	STATION	DIRECTION	LANE	LENGTH	WIDTH	44200637 TYPE II 17.0"	44200641 TYPE III 17.0"	44200643 TYPE IV 17.0"	44213200 SAW CUTS	44213204 TIE BARS 3/4"	44213000 PATCHING REINFORCEMENT
				(FT)	(FT)	(SQ YD)	(SQ YD)	(SQ YD)	(FT)	(EACH)	(SQ YD)
URBAN	1513+95.57	EB	DL	6	12	8.0	0.0	0.0	60.0	0.0	8.0
URBAN	1517+44.05	EB	PL	25	12	0.0	0.0	33.3	98.0	13.0	33.3
URBAN	1519+28.85	EB	PL	25	12	0.0	0.0	33.3	98.0	13.0	33.3
URBAN	1520+18.61	EB	DL	6	12	8.0	0.0	0.0	60.0	0.0	8.0
URBAN	1567+17.81	EB	DL	12	12	0.0	16.0	0.0	72.0	0.0	16.0
URBAN	1579+26.93	EB	DL	6	12	8.0	0.0	0.0	60.0	0.0	8.0
URBAN	1579+26.93	EB	PL	6	12	8.0	0.0	0.0	60.0	0.0	8.0
URBAN	1582+80.69	EB	DL	8	12	10.7	0.0	0.0	64.0	0.0	10.7
URBAN	1582+96.53	EB	DL	6	12	8.0	0.0	0.0	60.0	0.0	8.0
URBAN	1589+45.97	EB	DL	6	12	8.0	0.0	0.0	60.0	0.0	8.0
URBAN	1592+89.17	EB	DL	6	12	8.0	0.0	0.0	60.0	0.0	8.0
URBAN	1602+02.61	EB	DL	6	12	8.0	0.0	0.0	60.0	0.0	8.0
URBAN	1612+32.21	EB	DL	6	12	8.0	0.0	0.0	60.0	0.0	8.0
URBAN	1621+72.05	EB	DL	6	12	8.0	0.0	0.0	60.0	0.0	8.0
URBAN	1674+73.17	EB	DL	12	12	0.0	16.0	0.0	72.0	0.0	16.0
URBAN	1674+73.17	EB	PL	6	12	8.0	0.0	0.0	60.0	0.0	8.0
URBAN	1688+09.01	EB	DL	6	12	8.0	0.0	0.0	60.0	0.0	8.0
URBAN	1709+84.37	EB	DL	10	12	13.3	0.0	0.0	68.0	0.0	13.3
URBAN	1719+03.09	EB	DL	8	12	10.7	0.0	0.0	64.0	0.0	10.7
URBAN	1739+51.73	EB	DL	12	12	0.0	16.0	0.0	72.0	0.0	16.0
RURAL	1774+25.97	EB	DL	6	12	8.0	0.0	0.0	60.0	0.0	8.0
RURAL	1785+77.01	EB	DL	6	12	8.0	0.0	0.0	60.0	0.0	8.0
RURAL	1806+73.17	EB	DL	6	12	8.0	0.0	0.0	60.0	0.0	8.0
URBAN	1837+40.85	EB	DL	6	12	8.0	0.0	0.0	60.0	0.0	8.0
URBAN	1837+40.85	EB	PL	6	12	8.0	0.0	0.0	60.0	0.0	8.0
URBAN	1837+51.41	EB	DL	6	12	8.0	0.0	0.0	60.0	0.0	8.0
URBAN	1867+29.33	EB	DL	6	12	8.0	0.0	0.0	60.0	0.0	8.0
URBAN	1037+10.04	EB	DL	6	12	8.0	0.0	0.0	60.0	0.0	8.0
					EASTBOUND TOTALS =	194.7	48.0	66.7	1,808.0	26.0	309.3
					URBAN TOTALS =	262.0	48.0	134.0	2,440.0	51.0	443.0
					RURAL TOTALS =	24.0	0.0	0.0	180.0	0.0	24.0
					GRAND TOTALS =	286.0	48.0	134.0	2,620.0	51.0	467.0

54248510

CONCRETE COLLAR

URBAN/ RURAL	STA.	LOCATION	CU YD
URBAN	1672+00.00	I-74	0.45
URBAN	1716+50.00	I-74	0.45
		URBAN TOTAL =	0.90
		ROUNDED URBAN TOTAL =	1.00
		RURAL TOTAL =	0.00
		TOTAL =	1.0

PIPE UNDERDRAIN SCHEDULE

URBAN/ RURAL	STA.	LOCATION	60100060 CONCRETE HEADWALLS FOR PIPE UNDERDRAINS EACH	60108100 PIPE UNDERDRAINS 4" (SPECIAL) FOOT	X0321962 CONNECTION OF EXISTING PIPE UNDERDRAIN EACH
URBAN	1620+00.00	LT MED SHLDR	1.0	6.0	1.0
URBAN	1620+00.00	RT MED SHLDR	1.0	6.0	1.0
URBAN	1578+00.00	LT MED SHLDR	1.0	6.0	1.0
URBAN	1578+00.00	RT MED SHLDR	1.0	6.0	1.0
URBAN	1741+00.00	LT MED SHLDR	1.0	6.0	1.0
URBAN	1741+00.00	RT MED SHLDR	1.0	6.0	1.0
		URBAN TOTAL =	6.0	36.0	6.0
		RURAL TOTAL =	0.0	0.0	0.0
		TOTAL =	6.0	36.0	6.0

SCHEDULE OF QUANTITIES

GUARDRAIL SCHEDULE

U OR R	LOC./ STR. NO.	DIR	APPR/ DEP	SIDE	63000001 STEEL PLATE BEAM GUARDRAIL TYPE A, 6 FT POSTS STA	TO	STA	FOOT	63000003 STEEL PLATE BEAM GUARDRAIL TYPE A, 9 FT POSTS STA	TO	STA	FOOT	63000025 STEEL PLATE BEAM GUARDRAIL ATTACHED TO STRUCTURES STA	TO	STA	FOOT	63100045 TRAFFIC BARRIER TERMINAL, TYPE 2 STATION	TO	STATION	EACH	63100085 TRAFFIC BARRIER TERMINAL TYPE 6 EACH	63100087 TRAFFIC BARRIER TERMINAL TYPE 6A EACH	63100089 TRAFFIC BARRIER TERMINAL TYPE 6B EACH	X6311217 TRAFFIC BAR TERM TYPE 6B (SPL)	TRAFFIC BARRIER TERMINAL TYPE 6, 6A, 6B, OR 6B (SPL) TERMINI STATION	TO	STATION	63100167 TRAFFIC BARRIER TERM TYP 1 TAN EACH	63100169 TRAFFIC BARRIER TERM TYP 1 FLR EACH	TRAFFIC BARRIER TERMINAL, TYPE 1 SPL FLARED OR TANGENT TERMINI STATION	TO	STATION
U	010-0015	EB	APPR	OUT	1516+27.47	TO	1517+64.97	137.5													1.0				1518+08.12	TO	1518+08.12		1.0	1515+77.47	TO	1516+27.47
U	010-0015	EB	APPR	MED	1516+57.85	TO	1517+57.85	100.0													1.0				1518+01.00	TO	1518+01.00		1.0	1516+07.85	TO	1516+57.85
U	010-0014	WB	APPR	OUT	1519+77.37	TO	1521+14.87	137.5													1.0				1519+34.22	TO	1519+34.22		1.0	1521+14.87	TO	1521+64.87
U	010-0014	WB	APPR	MED	1519+83.90	TO	1520+83.90	100.0													1.0				1519+40.75	TO	1519+40.75		1.0	1520+83.90	TO	1521+33.90
U	010-0016	EB	APPR	OUT					1535+50.18	TO	1537+50.18	200.0									1.0				1537+50.18	TO	1537+93.33	1.0		1535+00.18	TO	1535+50.18
U	010-0016	EB	APPR	MED	1536+50.18	TO	1537+50.18	100.0													1.0				1537+50.18	TO	1537+93.33		1.0	1536+00.18	TO	1536+50.18
U	010-0017	WB	APPR	OUT	1542+31.00	TO	1543+93.50	162.5													1.0				1541+87.85	TO	1542+31.00	1.0		1543+93.50	TO	1544+43.50
U	010-0017	WB	APPR	MED	1542+31.00	TO	1543+31.00	100.0													1.0				1541+87.85	TO	1542+31.00		1.0	1543+31.00	TO	1543+81.00
U	010-0159	EB	APPR	OUT	1616+65.57	TO	1618+03.07	137.5															1.0		1618+03.07	TO	1618+46.22		1.0	1616+15.57	TO	1616+65.57
U	010-0159	WB	APPR	OUT	1618+81.32	TO	1620+18.82	137.5															1.0		1618+38.17	TO	1618+81.32		1.0	1620+18.82	TO	1620+68.82
U	010-0167	EB	APPR	OUT	1741+78.68	TO	1742+53.68	75.0																1.0	1742+53.68	TO	1743+56.93		1.0	1741+28.68	TO	1741+78.68
U	010-0167	EB	DEP	OUT	1743+56.13	TO	1743+68.63	12.5									1743+68.63	TO	1743+81.13	1.0												
U	010-0167	NB	APPR	OUT	SE QUAD			312.5														1.0			SE QUAD			1.0		SE QUAD		
U	010-0167	NB	DEP	OUT	NE QUAD			137.5														1.0			NE QUAD			1.0		NE QUAD		
R	010-0167	WB	APPR	OUT	1742+95.15	TO	1745+07.65	200.0					1744+57.65	TO	1744+70.15	12.5							1.0		1742+52.00	TO	1742+95.15		1.0	1745+07.65	TO	1745+57.65
R	010-0167	SB	APPR	OUT	NW QUAD			137.5														1.0			NW QUAD			1.0		NW QUAD		
R	010-0167	SB	DEP	OUT	SW QUAD			300.0														1.0			SW QUAD			1.0		SW QUAD		
U	010-0169	NB	APPR	OUT	SE QUAD																	1.0			SE QUAD							
U	010-0169	NB	DEP	OUT	NE QUAD																	1.0			NE QUAD							
U	010-0169	SB	APPR	OUT	NW QUAD																	1.0			NW QUAD							
U	010-0169	SB	DEP	OUT	SW QUAD																	1.0			SW QUAD							
U	010-0169	EB	APPR	OUT	1834+94.61	TO	1836+94.61	200.0															1.0		1836+94.61	TO	1837+37.76		1.0	1834+94.61	TO	1834+44.61
U	010-0169	WB	APPR	OUT	1837+66.79	TO	1839+04.29	137.5															1.0		1837+23.64	TO	1837+66.79		1.0	1839+04.29	TO	1839+54.29
U	SIGN TR.	EB	APPR	OUT	1821+92.50	TO	1823+30.00	137.5									1823+30.00	TO	1823+42.50	1.0									1.0	1822+80.00	TO	1823+30.00
U	RAMP A	WB	APPR	OUT	114+25.00	TO	36+27.50	362.5									36+40.00	TO	36+27.50	1.0										113+75.00	TO	114+25.00
				URBAN TOTALS =	2,487.5							200.0				0.0				3.0	8.0	6.0	4.0	1.0				5.0	12.0			
				RURAL TOTALS =	637.5							0.0				12.5				0.0	0.0	2.0	1.0	0.0				2.0	1.0			
				GRAND TOTALS =	3,125.0							200.0				12.5				3.0	8.0	8.0	5.0	1.0				7.0	13.0			

U/	LOC./ STR. NO.	DIR	APPR/ DEP	SIDE	78200410 GUARDRAIL MARKERS TYPE A EACH	78201000 TERMINAL MARKER DIRECT APPLIED EACH
U	010-0016	EB	APPR	OUT	4.0	1.0
U	010-0016	EB	APPR	MED	3.0	1.0
U	010-0017	WB	APPR	OUT	4.0	1.0
U	010-0017	WB	APPR	MED	3.0	1.0
U	010-0159	EB	APPR	OUT	3.0	1.0
U	010-0159	WB	APPR	OUT	3.0	1.0
U	010-0167	EB	APPR	OUT	2.0	1.0
U	010-0167	EB	DEP	OUT	1.0	
U	010-0167	NB	APPR	OUT	4.0	1.0
U	010-0167	NB	DEP	OUT	2.0	1.0
R	010-0167	WB	APPR	OUT	4.0	1.0
R	010-0167	SB	APPR	OUT	2.0	1.0
R	010-0167	SB	DEP	OUT	4.0	1.0
U	010-0169	EB	APPR	OUT	4.0	1.0
U	010-0169	WB	APPR	OUT	3.0	1.0
U	SIGN TR.	EB	APPR	OUT	3.0	1.0
U	RAMP A	WB	APPR	OUT	6.0	1.0
				URBAN TOTALS =	45.0	13.0
				RURAL TOTALS =	10.0	3.0
				GRAND TOTALS =	55.0	16.0

GUARDRAIL SCHEDULE, CONT.

U/R	LOC./ STR. NO.	DIR	APPR/ DEP	SIDE	63200310 GUARDRAIL REMOVAL STA	TO	STA	FOOT
U	010-0016	EB	APPR	OUT	1533+37.50	TO	1537+97.00	460.0
U	010-0016	EB	APPR	MED	1536+15.00	TO	1537+97.00	182.0
U	010-0017	WB	APPR	OUT	1541+88.00	TO	1545+52.00	364.0
U	010-0017	WB	APPR	MED	1541+88.00	TO	1543+65.00	177.0
U	010-0159	EB	APPR	OUT	1616+45.00	TO	1618+97.00	252.0
U	010-0159	WB	APPR	OUT	1617+88.00	TO	1620+38.00	250.0
U	010-0167	EB	APPR	OUT	1740+86.00	TO	1742+74.26	189.0
U	010-0167	NB	APPR	OUT	SE QUAD			365.0
U	010-0167	NB	DEP	OUT	NE QUAD			253.0
R	010-0167	EB	DEP	OUT	1742+74.26	TO	1743+50.00	76.0
R	010-0167	WB	APPR	OUT	1742+36.00	TO	1742+74.26	38.0
R	010-0167	SB	APPR	OUT	NW QUAD			215.0
R	010-0167	SB	DEP	OUT	SW QUAD			383.5
U	010-0167	WB	APPR	OUT	1742+74.26	TO	1745+89.00	315.0
U	010-0169	EB	APPR	OUT	1835+24.00	TO	1837+50.00	226.0
U	010-0169	WB	APPR	OUT	1837+07.00	TO	1839+48.00	241.0
U	RAMP A	WB	APPR	OUT	113+53.00	TO	36+25.00	430.0
				URBAN TOTALS =				3,704.0
				RURAL TOTALS =				712.5
				GRAND TOTALS =				4,416.5

FENCE SCHEDULE

URBAN/ RURAL	LOCATION	STA.	TO	STA.	66500105 WOVEN WIRE FENCE, 4' FOOT	X6650202 WOVEN WIRE FENCE REMOVAL FOOT
URBAN	I-74	1531+00.00	TO	1532+00.00	100.0	100.0
URBAN	I-74	1603+80.00	TO	1604+40.00	60.0	60.0
URBAN	RAMP G	808+50.00	TO	809+50.00	100.0	100.0
URBAN	I-74	1642+30.00	TO	1643+50.00	120.0	120.0
URBAN	I-74	1695+50.00	TO	1696+40.00	90.0	90.0
URBAN	I-74	1835+10.00	TO	1835+60.00	50.0	50.0
URBAN	I-74	1035+45.00	TO	1035+85.00	40.0	40.0
				URBAN TOTALS =	560.0	560.0
				RURAL TOTALS =	0.0	0.0
				TOTALS =	560.0	560.0

ATTENUATOR SCHEDULE

URBAN/ RURAL	STA.	STRUCTURE NUMBER	SIDE OF STRUCTURE	LOCATION	64300450 IMPACT ATT. (NON-REDIR.) TEST LEVEL 3 EACH	64301090 ATTEN. BASE SQ YD	X6431110 REMOVE ATTEN. BASE EACH	X6430120 REMOVE IMPACT ATT. NO SALV. EACH	63400105 GUARD POSTS EACH	X6340205 GUARD POST REMOVAL EACH
URBAN	1618+41.90	010-0159	WEST	MEDIAN	1.0	26.0	1.0	1.0	4.0	4.0
URBAN	1618+41.90	010-0159	EAST	MEDIAN	1.0	26.0	1.0	1.0	4.0	4.0
URBAN	1742+74.26	010-0167	WEST	MEDIAN	1.0	26.0	1.0	1.0	4.0	4.0
RURAL	1742+74.26	010-0167	EAST	MEDIAN	1.0	26.0	1.0	1.0		
URBAN	1824+00.00	SIGN TRUSS	WEST	MEDIAN	1.0	26.0	1.0	1.0		
URBAN	1824+00.00	SIGH TRUSS	EAST	MEDIAN	1.0	26.0	1.0	1.0		
URBAN	1824+00.00	SIGN TRUSS	WEST	RT OUT SHLDR			1.0	1.0		
URBAN	1837+30.89	010-0169	WEST	MEDIAN	1.0	26.0	1.0	1.0		
URBAN	1837+30.89	010-0169	EAST	MEDIAN	1.0	26.0	1.0	1.0		
				URBAN TOTAL =	7.0	182.0	8.0	8.0	12.0	12.0
				RURAL TOTAL =	1.0	26.0	1.0	1.0	0.0	0.0
				TOTAL =	8.0	208.0	9.0	9.0	12.0	12.0

SCHEDULE OF QUANTITIES

PAVEMENT MARKING SUMMARY

LOCATION	78004210 PREFORMED PLASTIC PAVT MKG TY B INLAID (FOOT)	78009000 MODIFIED URETHANE PAVEMENT MKG - L&S (SQ FT)	78009004 MODIFIED URETHANE PAVEMENT MKG - LINE 4" (FOOT)	78009006 MODIFIED URETHANE PAVEMENT MKG - LINE 6" (FOOT)	78009008 MODIFIED URETHANE PAVEMENT MKG - LINE 8" (FOOT)	78009012 MODIFIED URETHANE PAVEMENT MKG - LINE 12" (FOOT)	78009024 MODIFIED URETHANE PAVEMENT MKG - LINE 24" (FOOT)	78100100 RAISED REFLECTIVE PAVEMENT MARKER (EACH)	78100105 RAISED REFLECTIVE PAVEMENT MRKR (BR) (EACH)	78300200 RAISED REFLECTIVE PAVEMENT MRKR (REM) (EACH)	70300100 SHORT TERM PAVEMENT MARKING (FOOT)	70301000 WORK ZONE PAVT MKG REMOVAL (SQ FT)	X7830070 GROOVING RECESSED PAVEMENT MARKING 5" FOOT	X7830074 GROOVING RECESSED PAVEMENT MARKING 7" FOOT	X7830076 GROOVING RECESSED PAVEMENT MARKING 9" FOOT	X7830078 GROOVING RECESSED PAVEMENT MARKING 13" FOOT	X7830090 GROOVING RECESSED PAVEMENT MARKING 25" FOOT
I-74 URBAN	15,590.0		118,070.0		2,820.0			1,742.0	38.0	1,776.0	18,164.0	50,102.0	118,070.0		2,820.0		
I-74 RURAL	3,000.0		23,651.0					116.0		116.0	3,600.0	9,983.0	23,651.0				
INTERCHANGE URBAN		222.0	24,902.0	525.0	2,883.0	299.0	145.0	351.0		351.0	2,592.0	9,148.0	24,902.0	525.0	2,883.0	299.0	145.0
INTERCHANGE RURAL																	
URBAN TOTALS =	15,590.0	222.0	142,972.0	525.0	5,703.0	299.0	145.0	2,093.0	38.0	2,127.0	20,756.0	59,250.0	142,972.0	525.0	5,703.0	299.0	145.0
RURAL TOTALS =	3,000.0		23,651.0					116.0		116.0	3,600.0	9,983.0	23,651.0				
TOTALS =	18,590.0	222.0	166,623.0	525.0	5,703.0	299.0	145.0	2,209.0	38.0	2,243.0	24,356.0	69,233.0	166,623.0	525.0	5,703.0	299.0	145.0

PAVEMENT MARKING SCHEDULE

EASTBOUND LANES

URBAN/ RURAL	STA.	TO	STA.	LENGTH FOOT	70300220 TEMPORARY PAVEMENT MARKING LINE 4" (WHITE) AND 78004210 PREFORMED PLASTIC PVT MKG TY B INLAID LINE 4" SKIP-DASH FOOT	70300220 (YELLOW) AND 78009004 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" SOLID (YELLOW) FOOT	70300220 (WHITE) AND 78009004 SOLID (WHITE) FOOT	70300220 (WHITE) AND 78009004 SKIP-DASH (WHITE) (FOOT)	70300250 TEMPORARY PAVEMENT MARKING LINE 8" (WHITE) AND 78009008 MODIFIED URETHANE PAVEMENT MKG - LINE 8" (WHITE) FOOT	70300100 SHORT TERM PAVEMENT MARKING CENTER LINE (FOOT)	70300100 INSIDE E.O.P. (FOOT)	70300100 OUTSIDE E.O.P. (FOOT)	70301000 WORK ZONE PAVEMENT MARKING REMOVAL SQ FT	X7830070 GROOVING FOR RECESSED PAVEMENT MARKING 5" (FOOT)	X7830076 GROOVING FOR RECESSED PAVEMENT MARKING 9" (FOOT)
URBAN	1501+00.00	TO	1502+11.00	111.0	30.0	111.0	111.0			12.0	12.0	12.0	95.0	222.0	
URBAN	1502+11.00	TO	1505+03.00	292.0	80.0	292.0				32.0	32.0	0.0	143.9	292.0	
URBAN	1505+03.00	TO	1508+69.00	366.0	100.0	366.0			366.0	40.0	40.0	0.0	180.2	366.0	366.0
URBAN	1508+69.00	TO	1518+04.76	935.8	240.0	935.8	935.8			96.0	96.0	96.0	791.8	1,871.5	
URBAN	1518+04.76	TO	1519+55.95	151.2	STR. OMISSION	151.2	151.2			STR.	16.0	16.0	110.3	302.4	
URBAN	1519+55.95	TO	1527+58.90	802.9	210.0	802.9	802.9			84.0	84.0	84.0	682.4	1,605.9	
URBAN	1527+58.90	TO	1531+01.00	342.1	90.0	342.1			342.1	36.0	36.0	0.0	166.4	342.1	342.1
URBAN	1531+01.00	TO	1532+60.00	159.0	40.0	159.0		40.0		16.0	16.0	0.0	89.4	199.0	
URBAN	1532+60.00	TO	1537+64.10	504.1	130.0	504.1				52.0	52.0	0.0	243.6	504.1	
URBAN	1537+64.10	TO	1538+24.00	59.9	STR. OMISSION	59.9				STR.	8.0	0.0	22.4	59.9	
URBAN	1538+24.00	TO	1542+17.38	393.4	STR. OMISSION	393.4	393.4			STR.	40.0	40.0	286.0	786.8	
URBAN	1542+17.38	TO	1543+39.70	122.3	40.0	122.3				16.0	16.0	0.0	64.1	122.3	
STATION EQUATION															
URBAN	1543+43.52	TO	1573+24.16	2,980.6	750.0	2,980.6	2,980.6			300.0	300.0	300.0	2,511.7	5,961.3	
STATION EQUATION															
URBAN	1573+28.80	TO	1602+46.00	2,917.2	730.0	2,917.2	2,917.2			292.0	292.0	292.0	2,455.3	5,834.4	
URBAN	1602+46.00	TO	1605+37.00	291.0	80.0	291.0				32.0	32.0	0.0	143.6	291.0	
URBAN	1605+37.00	TO	1609+29.00	392.0	100.0	392.0			392.0	40.0	40.0	0.0	188.8	392.0	392.0
URBAN	1609+29.00	TO	1628+24.00	1,895.0	480.0	1,895.0	1,895.0			192.0	192.0	192.0	1,599.2	3,790.0	
URBAN	1628+24.00	TO	1631+59.00	335.0	90.0	335.0			335.0	36.0	36.0	0.0	164.0	335.0	335.0
URBAN	1631+59.00	TO	1638+90.80	731.8	190.0	731.8				76.0	76.0	0.0	354.4	731.8	
URBAN	1638+90.80	TO	1670+37.88	3,147.1	790.0	3,147.1	3,147.1			316.0	316.0	316.0	2,650.6	6,294.2	
STATION EQUATION															
URBAN	1670+40.16	TO	1742+74.30	7,234.1	1,810.0	7,234.1	7,234.1			724.0	724.0	724.0	6,088.6	14,468.3	
RURAL	1742+74.30	TO	1765+38.22	2,263.9	570.0	2,263.9	2,263.9			228.0	228.0	228.0	1,908.0	4,527.8	
STATION EQUATION															
RURAL	1765+38.85	TO	1800+60.87	3,522.0	890.0	3,522.0	3,522.0			356.0	356.0	356.0	2,970.7	7,044.0	
STATION EQUATION															
RURAL	1800+61.38	TO	1801+88.00	126.6	40.0	126.6	126.6			16.0	16.0	16.0	112.6	253.2	
URBAN	1801+88.00	TO	1845+92.22	4,404.2	1,110.0	4,404.2	4,404.2			444.0	444.0	444.0	3,712.6	8,808.4	
STATION EQUATION															
URBAN	1845+93.65	TO	1870+24.62	2,431.0	610.0	2,431.0	2,431.0			244.0	244.0	244.0	2,047.3	4,861.9	
STATION EQUATION															
URBAN	1035+05.17	TO	1036+91.05	185.9	50.0	185.9	185.9			20.0	20.0	20.0	159.0	371.8	
EASTBOUND URBAN TOTALS =					7,750.0	31,184.7	27,589.5	40.0	1,435.2	3,100.0	3,164.0	2,780.0	24,950.7	58,814.1	1,435.2
EASTBOUND RURAL TOTALS =					1,500.0	5,912.6	5,912.6	0.0	0.0	600.0	600.0	600.0	4,991.3	11,825.2	0.0
EASTBOUND TOTALS =					9,250.0	37,097.3	33,502.1	40.0	1,435.2	3,700.0	3,764.0	3,380.0	29,942.0	70,639.3	1,435.2

SCHEDULE OF QUANTITIES

PAVEMENT MARKING SCHEDULE, CONT.

WESTBOUND LANES

URBAN/ RURAL	STA.	TO	STA.	LENGTH	70300220 TEMPORARY PAVEMENT MARKING LINE 4" (WHITE) AND 78004210 PREFORMED PLASTIC PVT MKG TY B INLAID LINE 4" SKIP-DASH	70300220 TEMPORARY PAVEMENT MARKING LINE 4" (YELLOW) AND 78009004 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" SOLID (YELLOW)	70300220 TEMPORARY PAVEMENT MARKING LINE 4" (WHITE) AND 78009004 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" SOLID (WHITE)	70300220 TEMPORARY PAVEMENT MARKING LINE 4" (WHITE) AND 78009004 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" SKIP-DASH (WHITE)	70300250 TEMPORARY PAVEMENT MARKING LINE 8" (WHITE) AND 78009008 MODIFIED URETHANE PAVEMENT MKG - LINE 8" (WHITE)	70300100 SHORT TERM PAVEMENT MARKING CENTER LINE	70300100 SHORT TERM PAVEMENT MARKING INSIDE E.O.P.	70300100 SHORT TERM PAVEMENT MARKING OUTSIDE E.O.P.	70301000 WORK ZONE PAVEMENT MARKING REMOVAL	X7830070 GROOVING FOR RECESSED PAVEMENT MARKING 5"	X7830076 GROOVING FOR RECESSED PAVEMENT MARKING 9"
				FOOT	FOOT	FOOT	FOOT	(FOOT)	FOOT	(FOOT)	(FOOT)	(FOOT)	SQ FT	(FOOT)	(FOOT)
URBAN	1496+51.00	TO	1503+70.00	719.00	180.0	719.0				72.0	72.0	0.0	344.2	719.0	
URBAN	1503+70.00	TO	1507+14.00	344.00	90.0	344.0			344.0	36.0	36.0	0.0	167.0	344.0	344.0
URBAN	1507+14.00	TO	1518+06.88	1,092.88	280.0	1,092.9	1,092.9			112.0	112.0	112.0	924.6	2,185.8	
URBAN	1518+06.88	TO	1519+61.70	154.82	STR. OMISSION	154.8	154.8			STR.	16.0	16.0	112.7	309.6	
URBAN	1519+61.70	TO	1527+30.00	768.30	200.0	768.3	768.3			80.0	80.0	80.0	652.3	1,536.6	
URBAN	1527+30.00	TO	1531+08.00	378.00	100.0	378.0			378.0	40.0	40.0	0.0	184.1	378.0	378.0
URBAN	1531+08.00	TO	1533+90.00	282.00	80.0	282.0				32.0	32.0	0.0	140.6	282.0	
URBAN	1533+90.00	TO	1537+68.00	378.00	100.0	378.0	378.0			40.0	40.0	40.0	322.1	756.0	
URBAN	1537+68.00	TO	1542+21.58	453.58	STR. OMISSION	453.6				STR.	48.0	0.0	165.5	453.6	
URBAN	1542+21.58	TO	1543+39.70	118.12	30.0	118.1				12.0	12.0	0.0	56.8	118.1	
STATION EQUATION															
URBAN	1543+43.52	TO	1573+24.16	2,980.64	750.0	2,980.6	2,980.6			300.0	300.0	300.0	2,511.7	5,961.3	
STATION EQUATION															
URBAN	1573+28.80	TO	1597+48.00	2,419.20	610.0	2,419.2	2,419.2			244.0	244.0	244.0	2,039.5	4,838.4	
URBAN	1597+48.00	TO	1605+08.00	760.00	190.0	760.0				76.0	76.0	0.0	363.7	760.0	
URBAN	1605+08.00	TO	1608+15.00	307.00	80.0	307.0			307.0	32.0	32.0	0.0	148.8	307.0	307.0
URBAN	1608+15.00	TO	1627+58.00	1,943.00	490.0	1,943.0	1,943.0			196.0	196.0	196.0	1,638.1	3,886.0	
URBAN	1627+58.00	TO	1631+13.00	355.00	90.0	355.0			355.0	36.0	36.0	0.0	170.6	355.0	355.0
URBAN	1631+13.00	TO	1634+17.00	304.00	80.0	304.0				32.0	32.0	0.0	147.8	304.0	
URBAN	1634+17.00	TO	1670+40.16	3,623.16	910.0	3,623.2	3,623.2			364.0	364.0	364.0	3,051.9	7,246.3	
STATION EQUATION															
URBAN	1670+37.88	TO	1742+74.30	7,236.42	1,810.0	7,236.4	7,236.4			724.0	724.0	724.0	6,090.1	14,472.8	
RURAL	1742+74.30	TO	1765+38.22	2,263.92	570.0	2,263.9	2,263.9			228.0	228.0	228.0	1,908.0	4,527.8	
STATION EQUATION															
RURAL	1765+38.85	TO	1800+60.87	3,522.0	890.0	3,522.0	3,522.0			356.0	356.0	356.0	2,970.7	7,044.0	
STATION EQUATION															
RURAL	1800+61.38	TO	1801+88.00	126.6	40.0	126.6	126.6			16.0	16.0	16.0	112.6	253.2	
URBAN	1801+88.00	TO	1845+92.22	4,404.2	1,110.0	4,404.2	4,404.2			444.0	444.0	444.0	3,712.6	8,808.4	
STATION EQUATION															
URBAN	1845+93.65	TO	1870+24.62	2,431.0	610.0	2,431.0	2,431.0			244.0	244.0	244.0	2,047.3	4,861.9	
STATION EQUATION															
URBAN	1035+05.17	TO	1036+91.05	185.9	50.0	185.9	185.9			20.0	20.0	20.0	159.0	371.8	
WESTBOUND URBAN TOTALS =					7,840.0	31,638.2	27,617.5	0.0	1,384.0	3,136.0	3,200.0	2,784.0	25,151.2	59,255.7	1,384.0
WESTBOUND RURAL TOTALS =					1,500.0	5,912.6	5,912.6	0.0	0.0	600.0	600.0	600.0	4,991.3	11,825.2	0.0
WESTBOUND TOTALS =					9,340.0	37,550.8	33,530.1	0.0	1,384.0	3,736.0	3,800.0	3,384.0	30,142.5	71,080.9	1,384.0
MAINLINE URBAN TOTALS =					15,590.0			118,070.0	2,820.0			18,164.0	50,102.0	118,070.0	2,820.0
MAINLINE RURAL TOTALS =					3,000.0			23,651.0				3,600.0	9,983.0	23,651.0	0.0
MAINLINE TOTALS =					18,590.0			141,721.0	2,820.0			21,764.0	60,085.0	141,721.0	2,820.0

SCHEDULE OF QUANTITIES

PAVEMENT MARKING SCHEDULE, CONT.

IL 47 INTERCHANGE

LOCATION	URBAN/ RURAL	STA.	TO	STA.	LENGTH FOOT	70300100 SHORT TERM PAVEMENT MKG INSIDE E.O.P. FOOT	70300100 SHORT TERM PAVEMENT MKG OUTSIDE E.O.P. FOOT	70301000 WORK ZONE PAVEMENT MARKING REMOVAL SQ FT	70300210 TEMPORARY PAVEMENT MARKING LETTERS & SYMBOLS AND 78009000 MODIFIED URETHANE PAVEMENT MARKING LETTERS & SYMBOLS TURN ARROW SQ FT	70300210 WRONG WAY ARROW SQ FT	70300220 TEMPORARY PAVEMENT MARKING - LINE 4" AND 78009004 MODIFIED URETHANE PAVEMENT MARKING - LINE 4" SOLID (YELLOW) FOOT	70300220 SOLID (WHITE) FOOT	70300240 TEMPORARY PAVEMENT MARKING LINE 6" (WHITE) AND 780009006 MODIFIED URETHANE PAVEMENT MKG - LINE 6" (WHITE) FOOT	70300250 TEMPORARY PAVEMENT MARKING LINE 8" (WHITE) AND 78009008 MODIFIED URETHANE PAVEMENT MKG - LINE 8" (WHITE) FOOT	70300260 TEMPORARY PAVEMENT MARKING LINE 12" (WHITE) AND 78009012 MODIFIED URETHANE PAVEMENT MKG - LINE 12" (WHITE) FOOT	70300280 TEMPORARY PAVEMENT MARKING LINE 24" (WHITE) AND 78009024 MODIFIED URETHANE PAVEMENT MKG - LINE 24" (WHITE) FOOT	X7830070 GROOVING FOR RECESSED PAVEMENT MARKING 5" FOOT	X7830074 GROOVING FOR RECESSED PAVEMENT MARKING 7" FOOT	X7830076 GROOVING FOR RECESSED PAVEMENT MARKING 9" FOOT	X7830078 GROOVING FOR RECESSED PAVEMENT MARKING 13" FOOT	X7830090 GROOVING FOR RECESSED PAVEMENT MARKING 25" FOOT
RAMP A	URBAN	100+00.00	TO	102+80.00	280.0		28.0	102.5				280.0					280.0					
GORE AREA	URBAN	102+80.00	TO	106+58.00	378.0		40.0	139.1				378.0		378.0			378.0		378.0			
RAMP A	URBAN	106+58.00	TO	116+08.34	950.3	96.0	96.0	696.3			950.3	950.3					1,900.7					
RAMP A RETURN	URBAN	116+08.34	TO	35+00.00	123.0	16.0		46.2			123.0						123.0					
RAMP A RETURN	URBAN	116+08.34	TO	36+27.00	180.0		20.0	66.5				180.0					180.0					
RAMP A RETURN	URBAN	117+04.00	TO	117+34.00									113.0					113.0				
RAMP A RETURN	URBAN	117+04.00	TO	117+34.00											65.0					65.0		
RAMP A RETURN	URBAN	117+13.50	TO	117+19.30												36.5						36.5
RAMP A RETURN	URBAN	(SEE NOTE)							31.2													
RAMP A RETURN	URBAN	114+57.00								24.3												
RAMP B RETURN	URBAN	23+83.00	TO	201+49.94	167.0		20.0	62.2				167.0					167.0					
RAMP B RETURN	URBAN	25+00.00	TO	201+49.94	127.0	16.0		47.6			127.0						127.0					
RAMP B	URBAN	201+49.94	TO	209+08.00	758.1	76.0	76.0	555.0			758.1	758.1					1,516.1					
GORE AREA	URBAN	209+08.00	TO	214+16.00	508.0		52.0	186.3				508.0		508.0			508.0		508.0			
RAMP B	URBAN	214+16.00	TO	219+81.90	565.9		60.0	208.2				565.9					565.9					
RAMP C	URBAN	300+00.00	TO	303+91.00	391.0		40.0	143.4				391.0					391.0					
GORE AREA	URBAN	303+91.00	TO	306+62.40	271.4		28.0	99.6				271.4		271.4			271.4		271.4			
RAMP C	URBAN	306+62.40	TO	317+46.00	1,083.6	112.0	112.0	795.6			1,083.6	1,083.6					2,167.2					
RAMP C RETURN	URBAN	317+46.00	TO	25+08.00	125.0	16.0		46.9			125.0						125.0					
RAMP C RETURN	URBAN	317+46.00	TO	23+36.00	209.0		24.0	77.5				209.0					209.0					
RAMP C RETURN	URBAN	318+27.00	TO	318+42.00									168.0					168.0				
RAMP C RETURN	URBAN	318+27.00	TO	318+42.00											120.2					120.2		
RAMP C RETURN	URBAN	318+49.60	TO	318+54.00												36.0						36.0
RAMP C RETURN	URBAN	(SEE NOTE)							31.2													
RAMP C RETURN	URBAN	317+00.00								24.3												
RAMP D RETURN	URBAN	34+94.20	TO	401+04.00	82.0	12.0		31.3			82.0						82.0					
RAMP D RETURN	URBAN	36+05.00	TO	401+04.00	115.0		12.0	42.3				115.0					115.0					
RAMP D	URBAN	401+04.00	TO	411+55.00	1,051.0	108.0	108.0	771.2			1,051.0	1,051.0					2,102.0					
GORE AREA	URBAN	411+55.00	TO	414+95.00	340.0		36.0	125.1				340.0		340.0			340.0		340.0			
RAMP D	URBAN	414+95.00	TO	422+15.42	720.4		76.0	265.0				720.4					720.4					
IL 47 INTERCHANGE URBAN TOTALS =						452.0	828.0	4,507.9		111.0	4,300.0	7,968.8	281.0	1,497.4	185.2	72.5	12,268.8	281.0	1,497.4	185.2	72.5	
IL 47 INTERCHANGE RURAL TOTALS =																						
IL 47 INTERCHANGE TOTALS =						452.0	828.0	4,507.9		111.0	4,300.0	7,968.8	281.0	1,497.4	185.2	72.5	12,268.8	281.0	1,497.4	185.2	72.5	

NOTE: TURN ARROWS PLACED 18' BEHIND STOP BAR

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DRAWNData\EADsheets\D570765-sht-schedule.dgn	USER NAME = carrollrt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: | SHEET 13 OF 15 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	31
		CONTRACT NO. 70765		
	ILLINOIS FED. AID PROJECT			

SCHEDULE OF QUANTITIES

PAVEMENT MARKING SCHEDULE, CONT.

PRAIRIE VIEW ROAD INTERCHANGE

									70300210 TEMPORARY PAVEMENT MARKING LETTERS & SYMBOLS		70300220 TEMPORARY PAVEMENT MARKING - LINE 4"		70300240 TEMPORARY PAVEMENT MARKING LINE 6" (WHITE)	70300250 TEMPORARY PAVEMENT MARKING LINE 8" (WHITE)	70300260 TEMPORARY PAVEMENT MARKING LINE 12" (WHITE)	70300280 TEMPORARY PAVEMENT MARKING LINE 24" (WHITE)					
									TURN ARROW	WRONG WAY ARROW	SOLID (YELLOW)	SOLID (WHITE)									
									AND		AND		AND	AND	AND	AND					
						70300100 SHORT TERM PAVEMENT MKG		70301000 WORK ZONE PAVEMENT MARKING REMOVAL	78009000 MODIFIED URETHANE PAVEMENT MARKING LETTERS & SYMBOLS		78009004 MODIFIED URETHANE PAVEMENT MARKING - LINE 4"		780009006 MODIFIED URETHANE PAVEMENT MKG - LINE 6" (WHITE)	78009008 MODIFIED URETHANE PAVEMENT MKG - LINE 8" (WHITE)	78009012 MODIFIED URETHANE PAVEMENT MKG - LINE 12" (WHITE)	78009024 MODIFIED URETHANE PAVEMENT MKG - LINE 24" (WHITE)	X7830070 GROOVING FOR RECESSED PAVEMENT MARKING 5"	X7830074 GROOVING FOR RECESSED PAVEMENT MARKING 7"	X7830076 GROOVING FOR RECESSED PAVEMENT MARKING 9"	X7830078 GROOVING FOR RECESSED PAVEMENT MARKING 13"	X7830090 GROOVING FOR RECESSED PAVEMENT MARKING 25"
	URBAN/				LENGTH	INSIDE E.O.P.	OUTSIDE E.O.P.		TURN ARROW	WRONG WAY ARROW	SOLID (YELLOW)	SOLID (WHITE)									
LOCATION	RURAL	STA.	TO	STA.	FOOT	FOOT	FOOT	SQ FT	SQ FT	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT
RAMP E	URBAN	600+00.00	TO	602+96.00	296.0		32.0	109.1				296.0					296.0				
GORE AREA	URBAN	602+96.00	TO	606+52.00	356.0		36.0	130.4				356.0		356.0			356.0		356.0		
RAMP E	URBAN	606+52.00	TO	618+90.00	1,238.0	124.0	124.0	906.3			1,238.0	1,238.0					2,476.0				
RAMP E RETURN	URBAN	618+90.00	TO	518+28.00	185.0		20.0	68.2				185.0					185.0				
RAMP E RETURN	URBAN	618+90.00	TO	516+94.00	106.0	12.0		39.3			106.0						106.0				
RAMP E RETURN	URBAN	618+33.00								24.3											
RAMP E RETURN	URBAN	(SEE NOTE)							31.2												
RAMP E RETURN	URBAN	619+73.00	TO	620+00.00									91.0					91.0			
RAMP E RETURN	URBAN	619+73.00	TO	620+00.00											28.0					28.0	
RAMP E RETURN	URBAN	619+88.20	TO	619+93.80												36.0					36.0
RAMP F RETURN	URBAN	503+41.00	TO	701+17.00	162.0		20.0	60.5				162.0					162.0				
RAMP F RETURN	URBAN	504+62.00	TO	701+17.00	100.0	12.0		37.3			100.0						100.0				
RAMP F	URBAN	701+17.00	TO	709+12.00	795.0	80.0	80.0	582.3			795.0	795.0					1,590.0				
GORE AREA	URBAN	709+12.00	TO	712+45.00	333.0		36.0	122.8				333.0		333.0			333.0		333.0		
RAMP F	URBAN	712+45.00	TO	719+77.45	732.4		76.0	269.0				732.4					732.4				
RAMP G	URBAN	800+00.00	TO	802+62.00	262.0		28.0	96.5				262.0					262.0				
GORE AREA	URBAN	802+62.00	TO	806+55.00	393.0		40.0	144.1				393.0		393.0			393.0		393.0		
RAMP G	URBAN	806+55.00	TO	819+16.00	1,261.0	128.0	128.0	924.3			1,261.0	1,261.0					2,522.0				
RAMP G RETURN	URBAN	819+16.00	TO	502+98.00	180.0		20.0	66.5				180.0					180.0				
RAMP G RETURN	URBAN	819+16.00	TO	504+62.00	82.0	12.0		31.3			82.0						82.0				
RAMP G RETURN	URBAN	818+40.00								24.3											
RAMP G RETURN	URBAN	(SEE NOTE)							31.2												
RAMP G RETURN	URBAN	819+72.00	TO	820+03.00									153.0					153.0			
RAMP G RETURN	URBAN	819+72.00	TO	820+03.00											85.0					85.0	
RAMP G RETURN	URBAN	819+87.00	TO	819+88.00												36.0					36.0
RAMP H RETURN	URBAN	517+93.00	TO	901+32.00	128.0		16.0	47.9				128.0					128.0				
RAMP H RETURN	URBAN	516+75.00	TO	901+32.00	61.0	8.0		23.0			61.0						61.0				
RAMP H	URBAN	901+32.00	TO	909+34.00	802.0	84.0	84.0	589.6			802.0	802.0					1,604.0				
GORE AREA	URBAN	909+34.00	TO	912+37.00	303.0		32.0	111.5				303.0		303.0			303.0		303.0		
RAMP H	URBAN	912+37.00	TO	919+97.85	760.9		80.0	279.8				760.9					760.9				
PRAIRIE VIEW RD INTERCHANGE URBAN TOTALS =						460.0	852.0	4,639.6		111.00	4,445.0	8,187.3	244.0	1,385.0	113.0	72.0	12,632.3	244.0	1,385.0	113.0	72.0
PRAIRIE VIEW RD INTERCHANGE RURAL TOTALS =																					
PRAIRIE VIEW RD INTERCHANGE TOTALS =						460.0	852.0	4,639.6		111.00	4,445.0	8,187.3	244.0	1,385.0	113.0	72.0	12,632.3	244.0	1,385.0	113.0	72.0
GRAND TOTALS =						912.0	1,680.0	9,147.5		222.00	8,745.0	16,156.1	525.0	2,882.4	298.2	144.5	24,901.1	525.0	2,882.4	298.2	144.5
USE =							2,592.0	9,148.0		222.00		24,902.0	525.0	2,883.0	299.0	145.0	24,902.0	525.0	2,883.0	299.0	145.0

NOTE: TURN ARROWS PLACED 18' BEHIND STOP BAR

SCHEDULE OF QUANTITIES

RAISED REFLECTIVE PAVEMENT MARKING SCHEDULE

EASTBOUND LANES

URBAN/ RURAL	STA.	TO	STA.	LENGT FOOT	78100100 RAISED REFLECTIVE PAVEMENT MARKER 1-WAY CRYSTAL EACH	78100105 RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE) 1-WAY CRYSTAL EACH	78300200 RAISED REFLECTIVE PAVEMENT MARKER (REMOVAL) 1-WAY CRYSTAL EACH
URBAN	1501+00.00	TO	1518+21.00	1,721.0	44.0		44.0
URBAN	1518+21.00	TO	1519+37.00	116.0		4.0	4.0
URBAN	1519+37.00	TO	1537+64.00	1,827.0	46.0		46.0
URBAN	1537+64.00	TO	1542+17.00	453.0		12.0	12.0
URBAN	1542+17.00	TO	1543+39.70	122.7	4.0		
STATION EQUATION							
URBAN	1543+43.52	TO	1573+24.16	2,980.6	76.0		76.0
STATION EQUATION							
URBAN	1573+28.80	TO	1670+37.88	9,709.1	244.0		244.0
STATION EQUATION							
URBAN	1670+40.16	TO	1742+74.26	7,234.1	182.0		182.0
RURAL	1742+74.26	TO	1765+38.22	2,264.0	58.0		58.0
STATION EQUATION							
URBAN	1765+38.65	TO	1800+60.87	3,522.2	90.0		90.0
STATION EQUATION							
URBAN	1800+61.38	TO	1845+92.22	4,530.8	114.0		114.0
STATION EQUATION							0.0
URBAN	1845+93.65	TO	1870+24.62	2,431.0	62.0		62.0
STATION EQUATION							
URBAN	1053+05.17	TO	1054+66.74	161.6	6.0		6.0
EASTBOUND URBAN TOTALS =					868.0	16.0	880.0
EASTBOUND RURAL TOTALS =					58.0	0.0	58.0
EASTBOUND TOTALS =					926.0	16.0	938.0

RAISED REFLECTIVE PAVEMENT MARKING SCHEDULE, CONT.

WESTBOUND LANES

URBAN/ RURAL	STA.	TO	STA.	LENGT FOOT	78100100 RAISED REFLECTIVE PAVEMENT MARKER 1-WAY CRYSTAL EACH	78100105 RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE) 1-WAY CRYSTAL EACH	78300200 RAISED REFLECTIVE PAVEMENT MARKER (REMOVAL) 1-WAY CRYSTAL EACH
URBAN	1496+54.00	TO	1515+85.50	1,931.5	50.0		50.0
URBAN	1515+85.50	TO	1519+38.00	352.5		10.0	10.0
URBAN	1519+38.00	TO	1537+64.00	1,826.0	46.0		46.0
URBAN	1537+64.00	TO	1542+17.00	453.0		12.0	12.0
URBAN	1542+17.00	TO	1543+39.70	122.7	4.0		4.0
STATION EQUATION							
URBAN	1543+43.52	TO	1573+24.16	2,980.6	76.0		76.0
STATION EQUATION							
URBAN	1573+28.80	TO	1670+37.88	9,709.1	244.0		244.0
STATION EQUATION							
URBAN	1670+40.16	TO	1742+74.26	7,234.1	182.0		182.0
RURAL	1742+74.26	TO	1765+38.22	2,264.0	58.0		58.0
STATION EQUATION							
URBAN	1765+38.65	TO	1800+60.87	3,522.2	90.0		90.0
STATION EQUATION							
URBAN	1800+61.38	TO	1845+92.22	4,530.8	114.0		114.0
STATION EQUATION							
URBAN	1845+93.65	TO	1870+24.62	2,431.0	62.0		62.0
STATION EQUATION							
URBAN	1053+05.17	TO	1054+66.74	161.6	6.0		6.0
WESTBOUND URBAN TOTALS =					874.0	22.0	896.0
WESTBOUND RURAL TOTALS =					58.0	0.0	58.0
WESTBOUND TOTALS =					932.0	22.0	954.0
MAINLINE URBAN TOTALS =					1,742.0	38.0	1,776.0
MAINLINE RURAL TOTALS =					116.0	0.0	116.0
MAINLINE TOTALS =					1,858.0	38.0	1,892.0

RAISED REFLECTIVE PAVEMENT MARKING SCHEDULE, CONT.

IL 47 INTERCHANGE

LOCATION	URBAN/ RURAL	STA.	TO	STA.	LENGTH FOOT	78100100 RAISED REFLECTIVE PAVEMENT MARKER 1-WAY CRYSTAL EACH	78100100 RAISED REFLECTIVE PAVEMENT MARKER 1-WAY AMBER EACH	78300200 RAISED REFLECTIVE PAVEMENT MARKER (REMOVAL) EACH
RAMP A	URBAN	100+00.00	TO	106+58.00	658.0	33.0		33.0
RAMP A GORE*	URBAN	102+80.00	TO	106+58.00	378.0	40.0		40.0
RAMP A	URBAN	106+58.00	TO	111+50.92	492.9		14.0	14.0
RAMP C	URBAN	300+00.00	TO	306+58.00	658.0	33.0		33.0
RAMP C GORE*	URBAN	302+92.00	TO	306+58.00	366.0	40.0		40.0
RAMP C	URBAN	306+58.00	TO	311+17.74	459.7		13.0	13.0
IL 47 INTERCHANGE URBAN TOTALS =						146.0	27.0	173.0
IL 47 INTERCHANGE RURAL TOTALS =								
IL 47 INTERCHANGE TOTALS =						146.0	27.0	173.0

RAISED REFLECTIVE PAVEMENT MARKING SCHEDULE, CONT.

PRAIRIE VIEW ROAD INTERCHANGE

LOCATION	URBAN/ RURAL	STA.	TO	STA.	LENGTH FOOT	78100100 RAISED REFLECTIVE PAVEMENT MARKER 1-WAY CRYSTAL EACH	78100100 RAISED REFLECTIVE PAVEMENT MARKER 1-WAY AMBER EACH	78300200 RAISED REFLECTIVE PAVEMENT MARKER (REMOVAL) EACH
RAMP E	URBAN	600+00.00	TO	606+53.00	653.0	33.0		33.0
RAMP E GORE*	URBAN	602+96.00	TO	606+53.00	357.0	38.0		38.0
RAMP E	URBAN	606+53.00	TO	612+20.07	567.1		16.0	16.0
RAMP G	URBAN	800+00.00	TO	806+55.00	655.0	33.0		33.0
RAMP G GORE*	URBAN	802+63.00	TO	806+55.00	392.0	42.0		42.0
RAMP G	URBAN	806+55.00	TO	812+22.33	567.3		16.0	16.0
PRAIRIE VIEW RD INTERCHANGE URBAN TOTALS =						146.0	32.0	178.0
PRAIRIE VIEW RD INTERCHANGE RURAL TOTALS =								
PRAIRIE VIEW RD INTERCHANGE TOTALS =						146.0	32.0	178.0
GRAND TOTALS =						292.0	59.0	351.0
USE =							351.0	351.0

* Includes Quantity for Mainline Portion of Gore Area.

X0326206

RESET GRATE

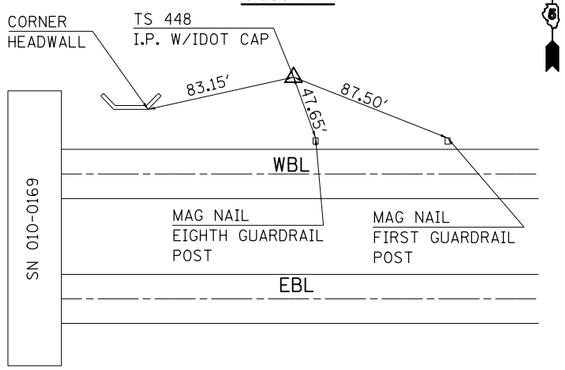
URBAN/ RURAL	LOCATION	STA.	EACH
URBAN	I-74	1549+00.00	1.0
URBAN	I-74	1604+00.00	1.0
URBAN	RAMP H	908+00.00	1.0
URBAN TOTAL =			3.0
RURAL TOTAL =			0.0
TOTAL =			3.0

CORNER ISLAND REPLACEMENT SCHEDULE

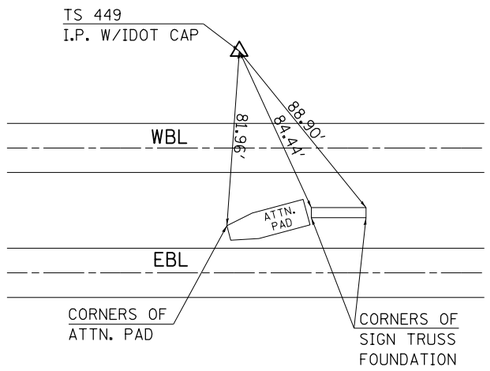
URBAN/ RURAL	STA.	LOCATION	35300510 PORTLAND CEMENT BSE COURSE 10 1/2" SQ YD	X4403300 CONCRETE MEDIAN REMOVAL SQ FT	X6061702 CONC MED TY SM DOWELLED SQ FT
URBAN	117+19.00	RAMP A	4.0	36.0	36.0
URBAN	318+55.00	RAMP C	12.2	110.0	110.0
URBAN	619+85.00	RAMP E	10.0	90.0	90.0
URBAN	819+90.00	RAMP G	6.7	60.0	60.0
URBAN TOTAL =			33.0	296.0	296.0
RURAL TOTAL =			0.0	0.0	0.0
TOTAL =			33.0	296.0	296.0

ALIGNMENTS, TIE POINTS & BENCHMARKS

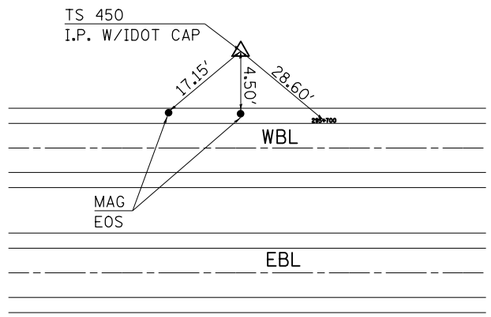
T.S. 448, STA. 1838 + 62.43
88.9' LT



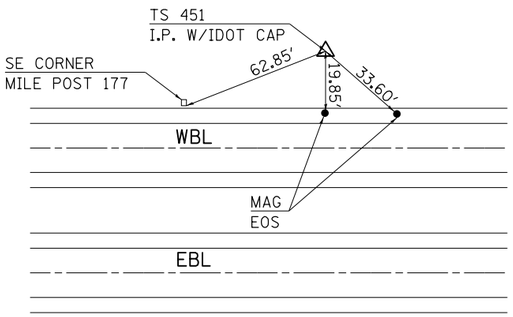
T.S. 449, STA. 1823 + 63.26
79.2' LT



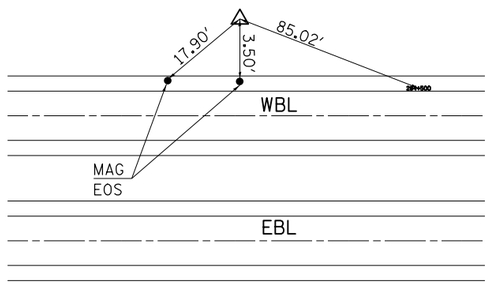
T.S. 450, STA. 1805 + 94.47
57.6' LT



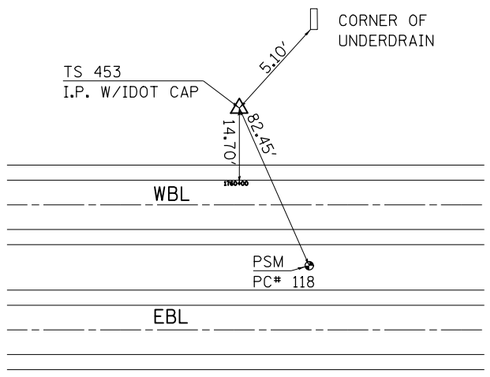
T.S. 451, STA. 1792 + 87.90
77.0' LT



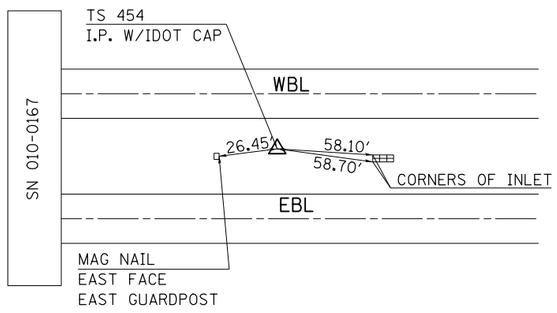
T.S. 452, STA. 1779 + 11.15
66.7' LT



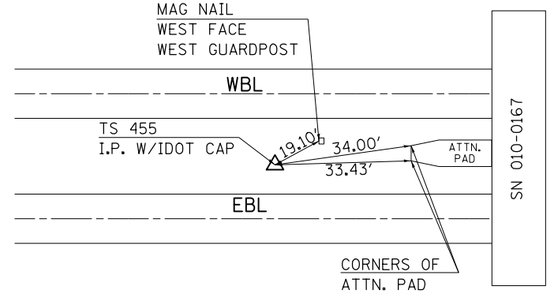
T.S. 453, STA. 1764 + 99.54
72.4' LT



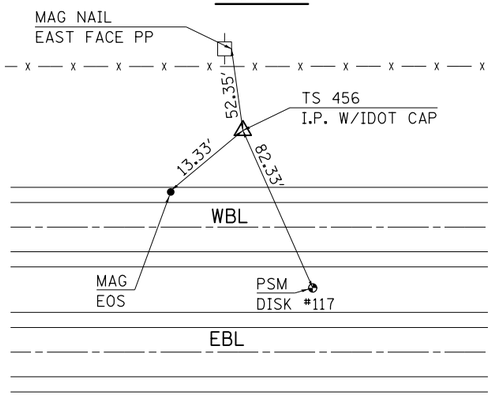
T.S. 454, STA. 1743 + 86.83
10.3' LT



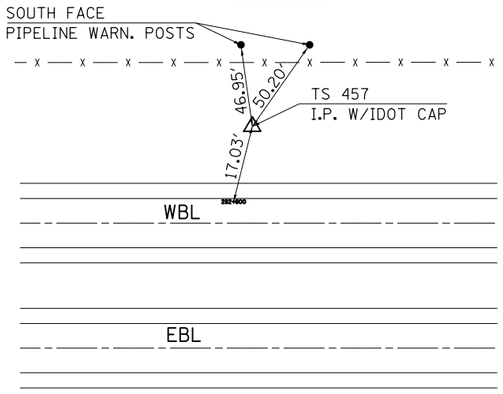
T.S. 455, STA. 1741 + 97.88
15.5' RT



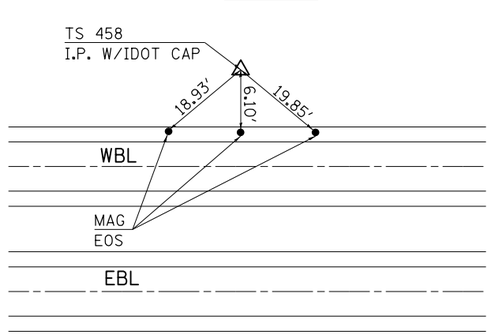
T.S. 456, STA. 1727 + 82.04
75.2' LT



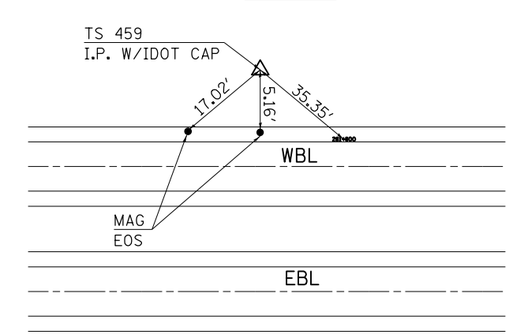
T.S. 457, STA. 1711 + 05.16
74.3' LT



T.S. 458, STA. 1694 + 02.61
74.7' LT



T.S. 459, STA. 1677 + 90.75
74.1' LT



FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DRAWINGData\Design\D570765-sht-Tie-Points.dgn	USER NAME = carrollrt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

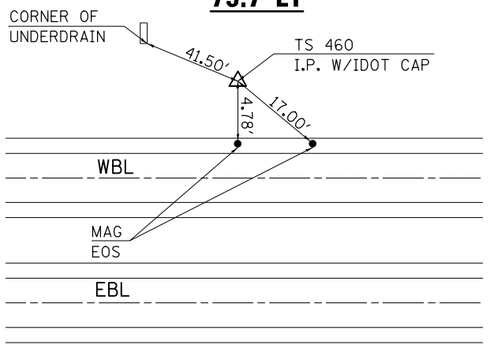
ALIGNMENTS, TIE POINTS & BENCHMARKS

SCALE: | SHEET 1 OF 3 SHEETS | STA. | TO STA.

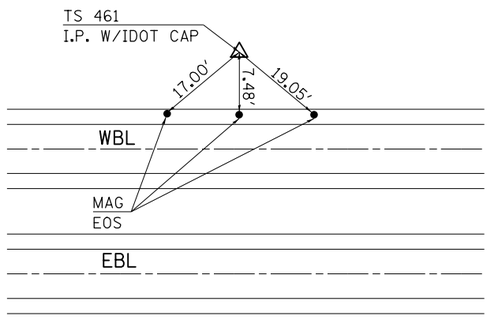
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	34
		CONTRACT NO. 70765		
		ILLINOIS	FED. AID PROJECT	

ALIGNMENTS, TIE POINTS & BENCHMARKS

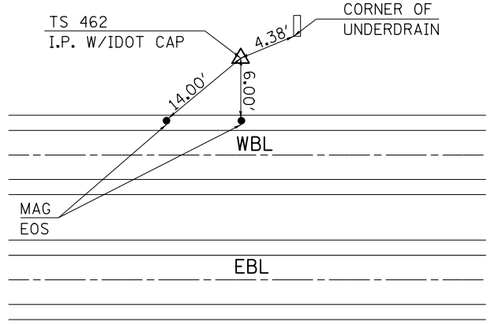
T.S. 460, STA. 1666 + 28.00
73.7' LT



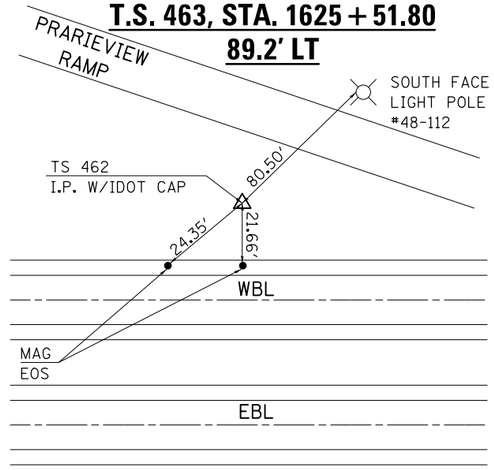
T.S. 461, STA. 1652 + 91.92
75.8' LT



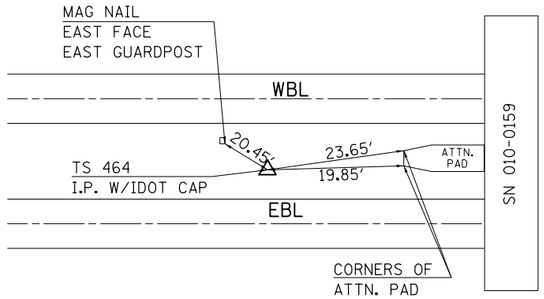
T.S. 462, STA. 1639 + 94.73
74.6' LT



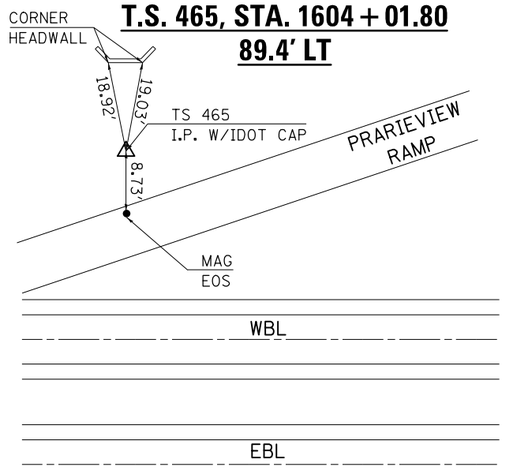
T.S. 463, STA. 1625 + 51.80
89.2' LT



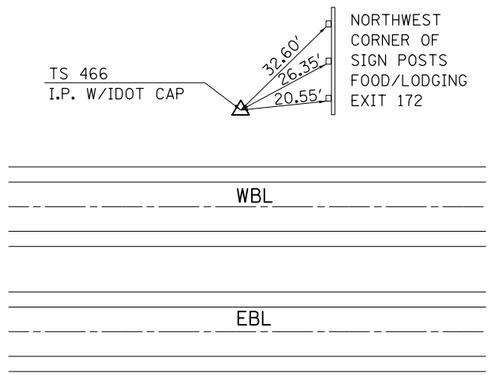
T.S. 464, STA. 1617 + 68.86
24.9' RT



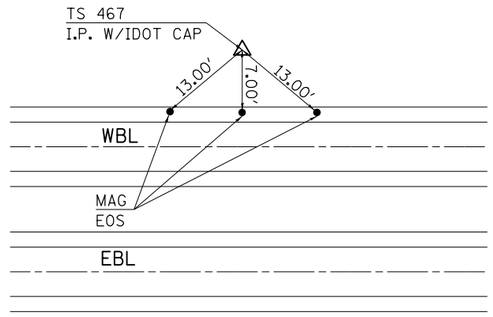
T.S. 465, STA. 1604 + 01.80
89.4' LT



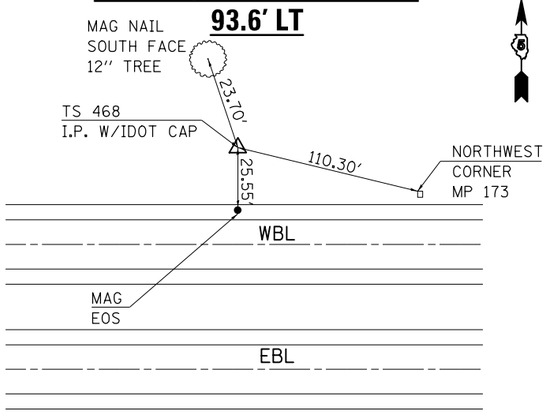
T.S. 466, STA. 1596 + 41.28
77.8' LT



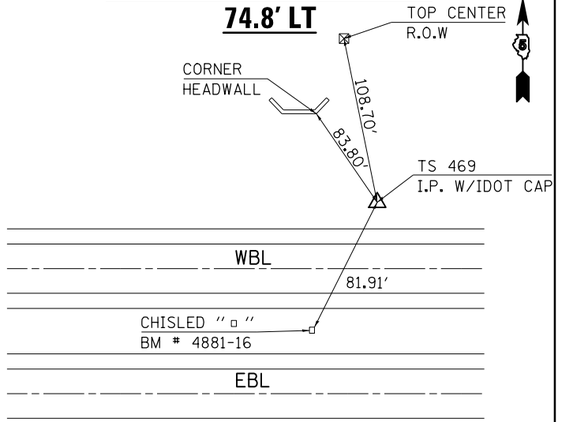
T.S. 467, STA. 1587 + 71.90
75.1' LT



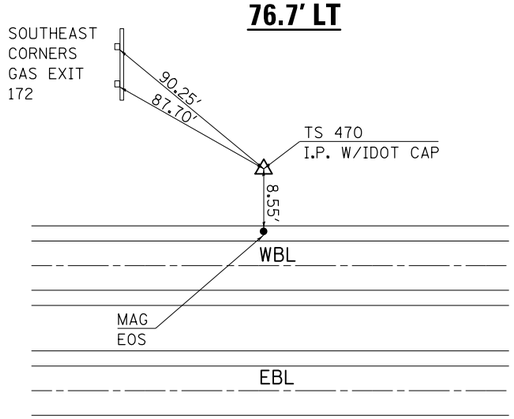
T.S. 468, STA. 1580 + 01.16
93.6' LT



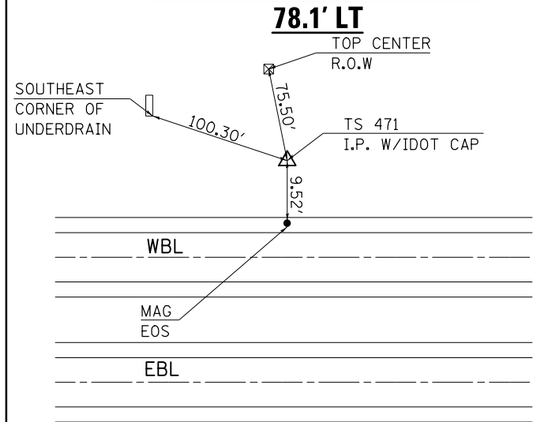
T.S. 469, STA. 1572 + 81.58
74.8' LT



T.S. 470, STA. 1566 + 62.96
76.7' LT



T.S. 471, STA. 1559 + 05.14
78.1' LT



FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DrawingData\Design\D570765-sht-Tie-Points.dgn	USER NAME = carrollrt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
$MODELNAME$	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

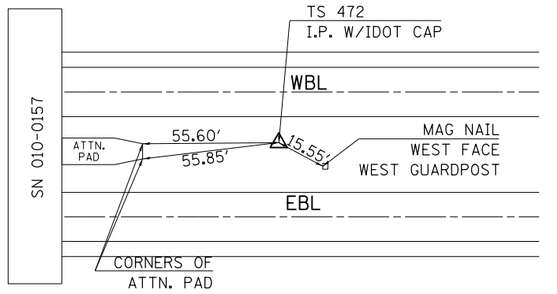
ALIGNMENTS, TIE POINTS & BENCHMARKS

SCALE: | SHEET 2 OF 3 SHEETS | STA. | TO STA.

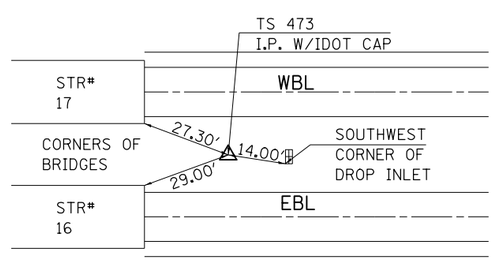
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	35
		CONTRACT NO. 70765		
		ILLINOIS FED. AID PROJECT		

ALIGNMENTS, TIE POINTS & BENCHMARKS

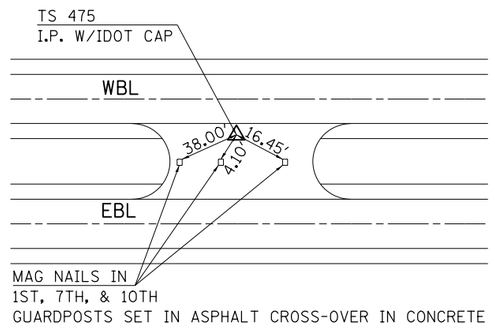
T.S. 472, STA. 1548 + 84.16
13.2' LT



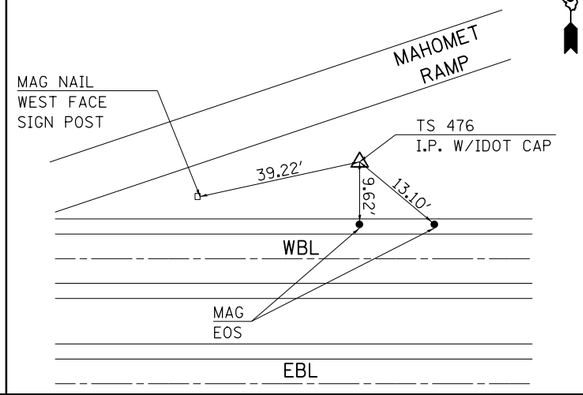
T.S. 473, STA. 1541 + 93.96
0.5' LT



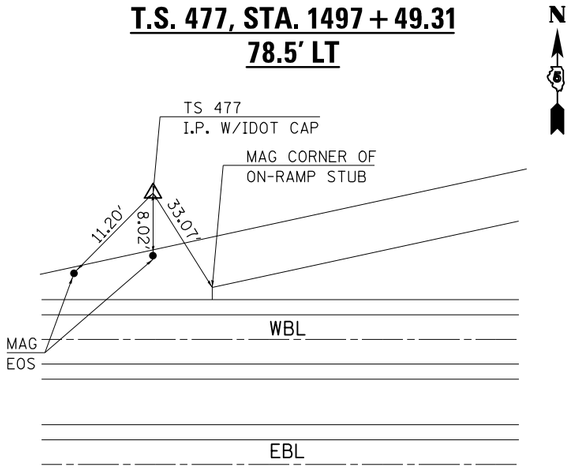
T.S. 475, STA. 1529 + 52.60
6.8' LT



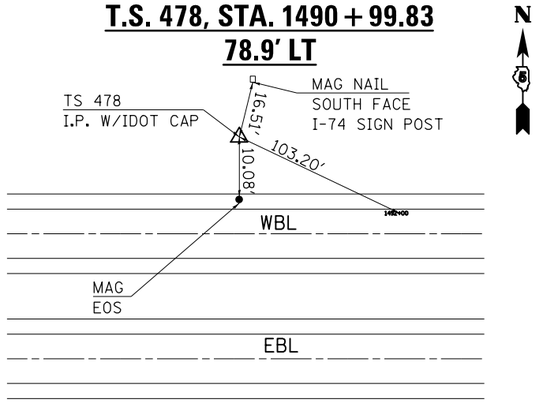
T.S. 476, STA. 1507 + 78.01
77.6' LT



T.S. 477, STA. 1497 + 49.31
78.5' LT



T.S. 478, STA. 1490 + 99.83
78.9' LT



FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DrawingData\Design\D570765-sht-Tie-Points.dgn	USER NAME = carrollrt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE -	REVISED -

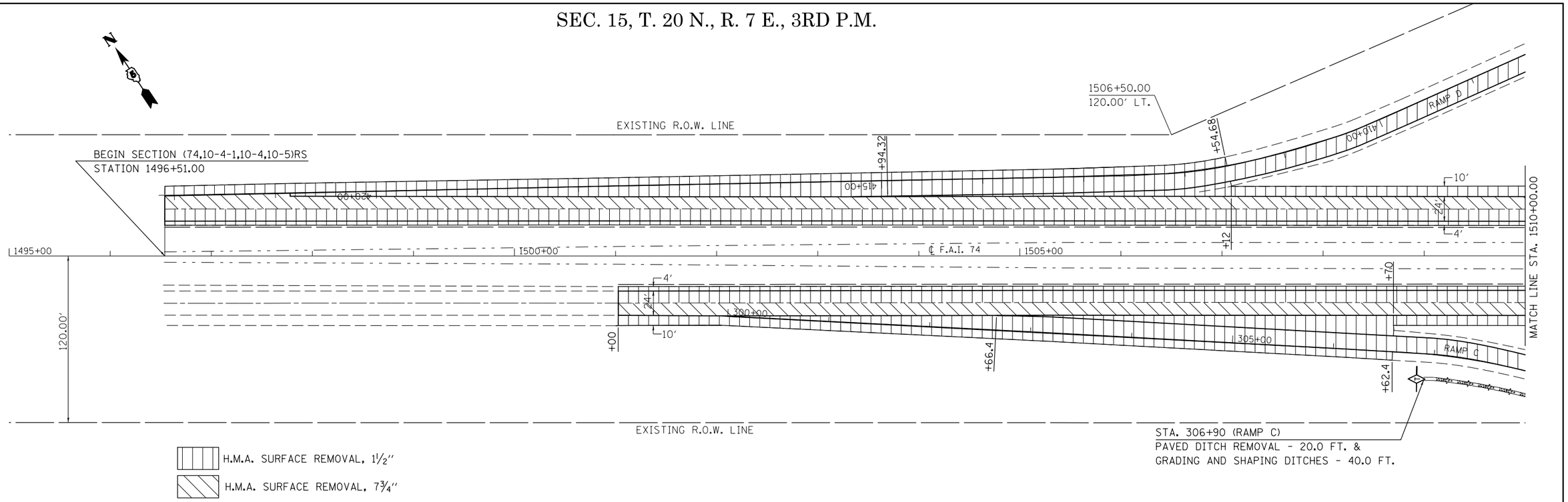
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENTS, TIE POINTS & BENCHMARKS

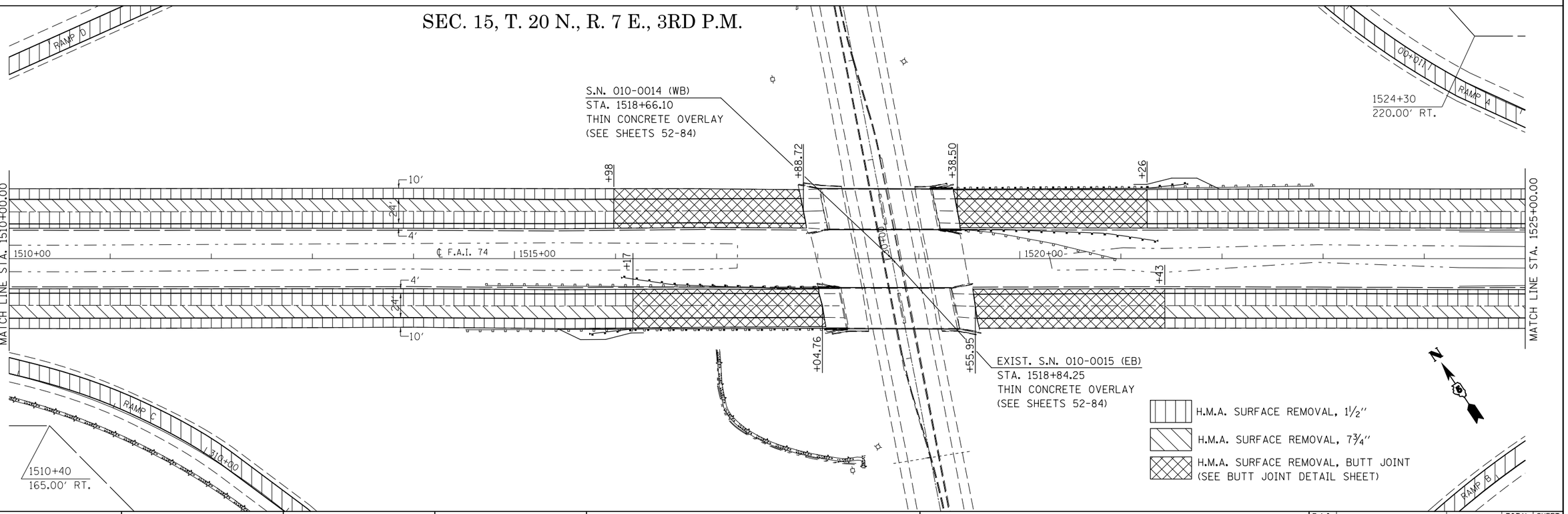
SCALE: | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	36
		CONTRACT NO. 70765		
	ILLINOIS	FED. AID PROJECT		

SEC. 15, T. 20 N., R. 7 E., 3RD P.M.



SEC. 15, T. 20 N., R. 7 E., 3RD P.M.



FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DRAWNData\Design\D570765-plan-sht.dgn	USER NAME = carrollrt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE -	REVISED -

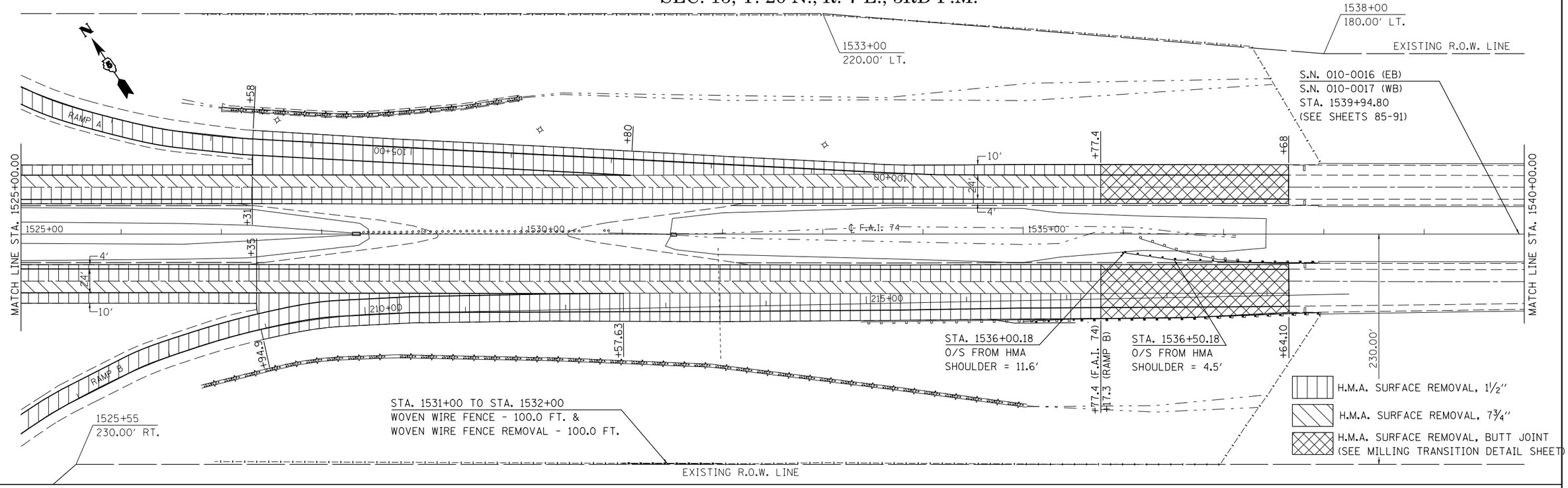
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: | SHEET 1 OF 15 SHEETS | STA. 1496+51.00 | TO STA. 1525+00.00

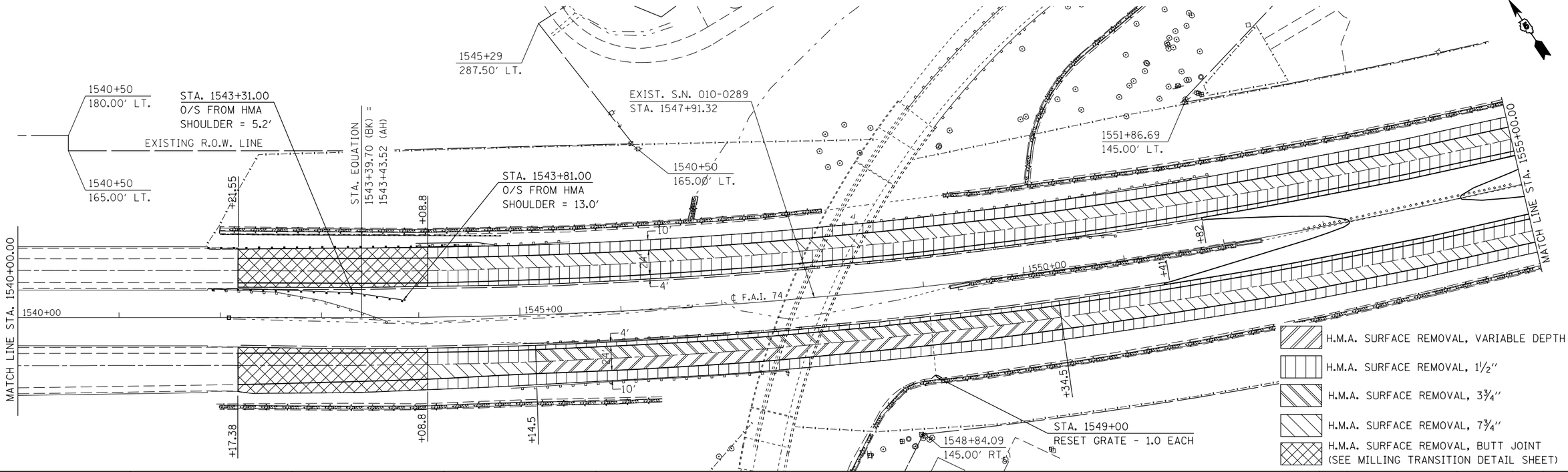
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	37
		CONTRACT NO. 70765		
		ILLINOIS FED. AID PROJECT		

SEC. 15, T. 20 N., R. 7 E., 3RD P.M.



SEC. 15, T. 20 N., R. 7 E., 3RD P.M.

SEC. 14, T. 20 N., R. 7 E., 3RD P.M.



FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DrawingData\Design\D570765-plan-sht.dgn	USER NAME = carrollrt	DESIGNED -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	DRAWN -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	CHECKED -	REVISED -
		DATE -	REVISED -

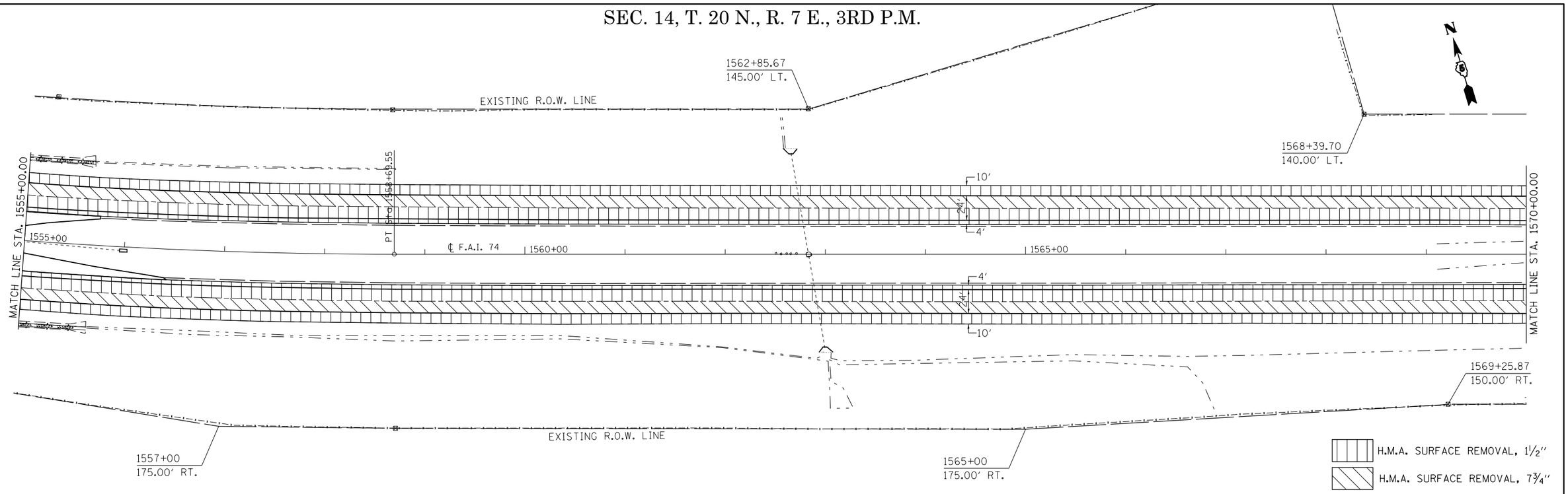
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

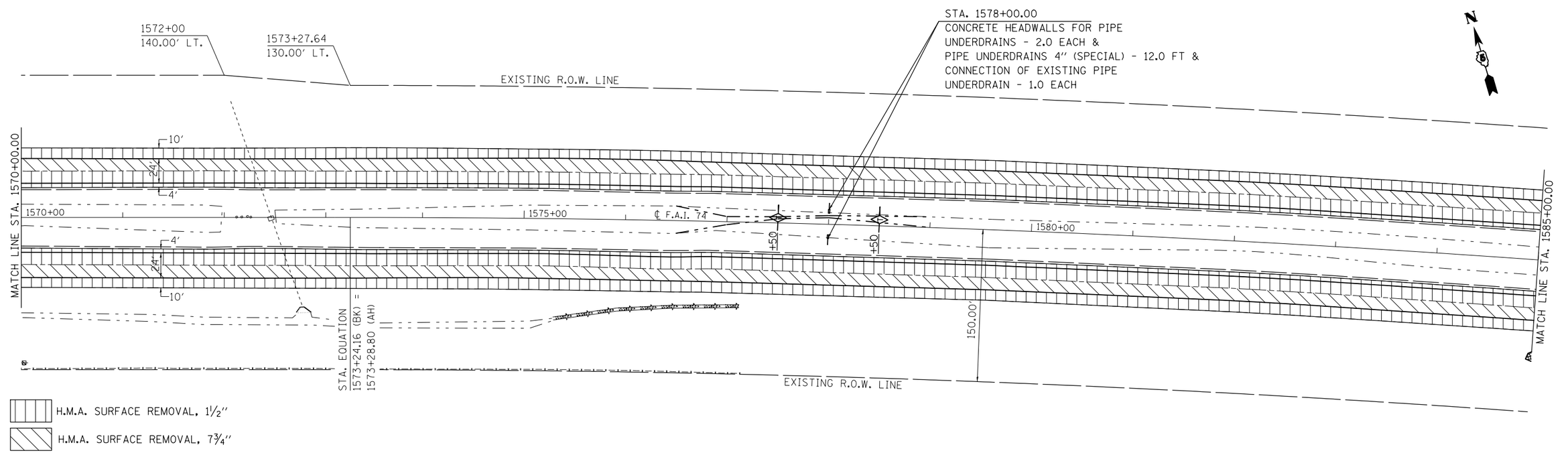
SCALE: | SHEET 2 OF 15 SHEETS | STA. 1525+00.00 TO STA. 1555+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	38
		CONTRACT NO. 70765		
	ILLINOIS FED. AID PROJECT			

SEC. 14, T. 20 N., R. 7 E., 3RD P.M.



SEC. 14, T. 20 N., R. 7 E., 3RD P.M.



FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DRAWINGData\Design\D570765-plan-sht.dgn	USER NAME = carrollrt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE -	REVISED -

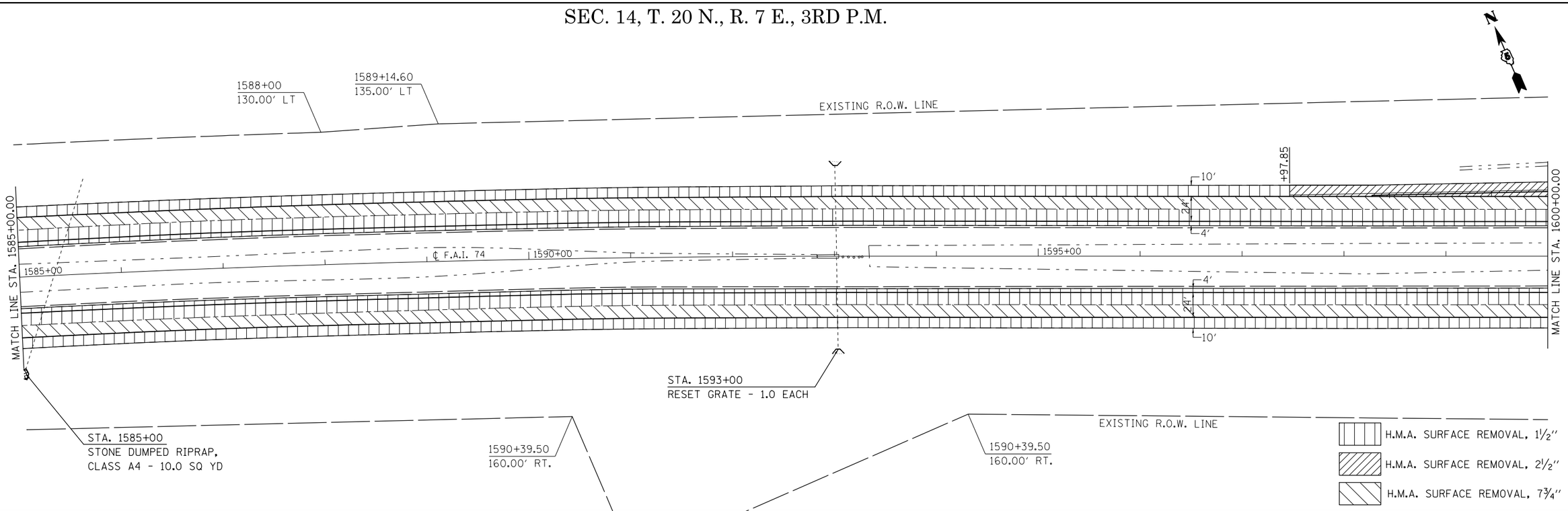
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

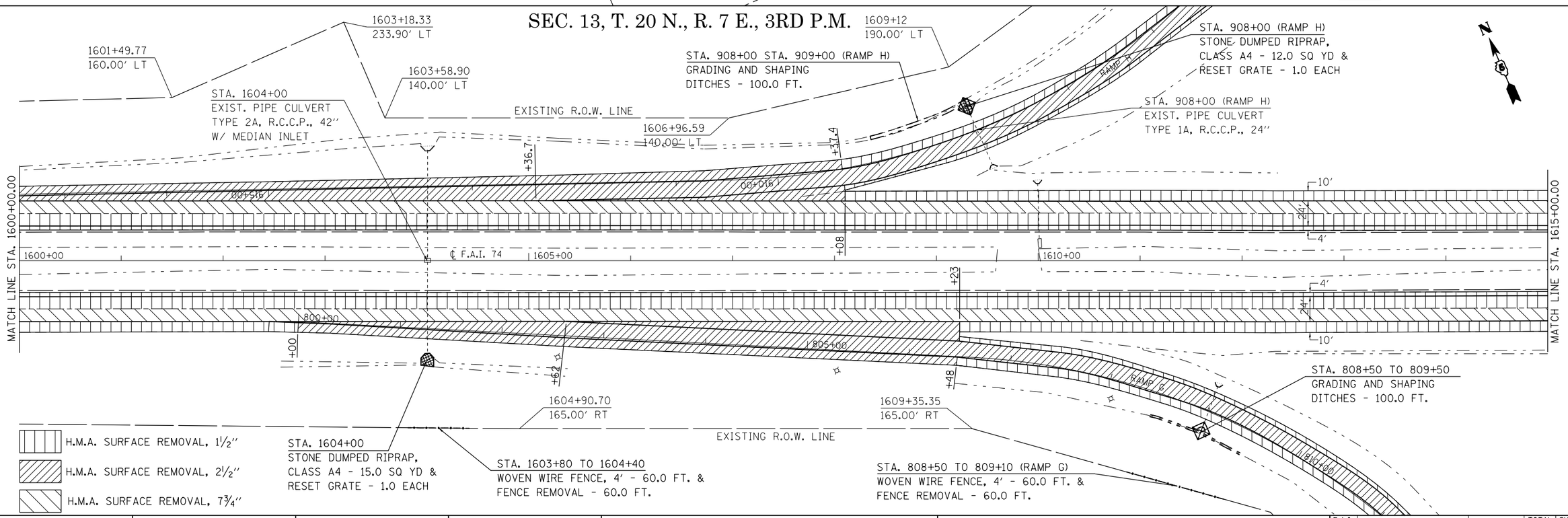
SCALE: | SHEET 3 OF 15 SHEETS | STA. 1555+00.00 TO STA. 1585+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	39
		CONTRACT NO. 70765		
		ILLINOIS FED. AID PROJECT		

SEC. 14, T. 20 N., R. 7 E., 3RD P.M.



SEC. 13, T. 20 N., R. 7 E., 3RD P.M.



FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DRAWINGData\Design\D570765-plan-sht.dgn	USER NAME = carrollrt	DESIGNED -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE -	REVISED -

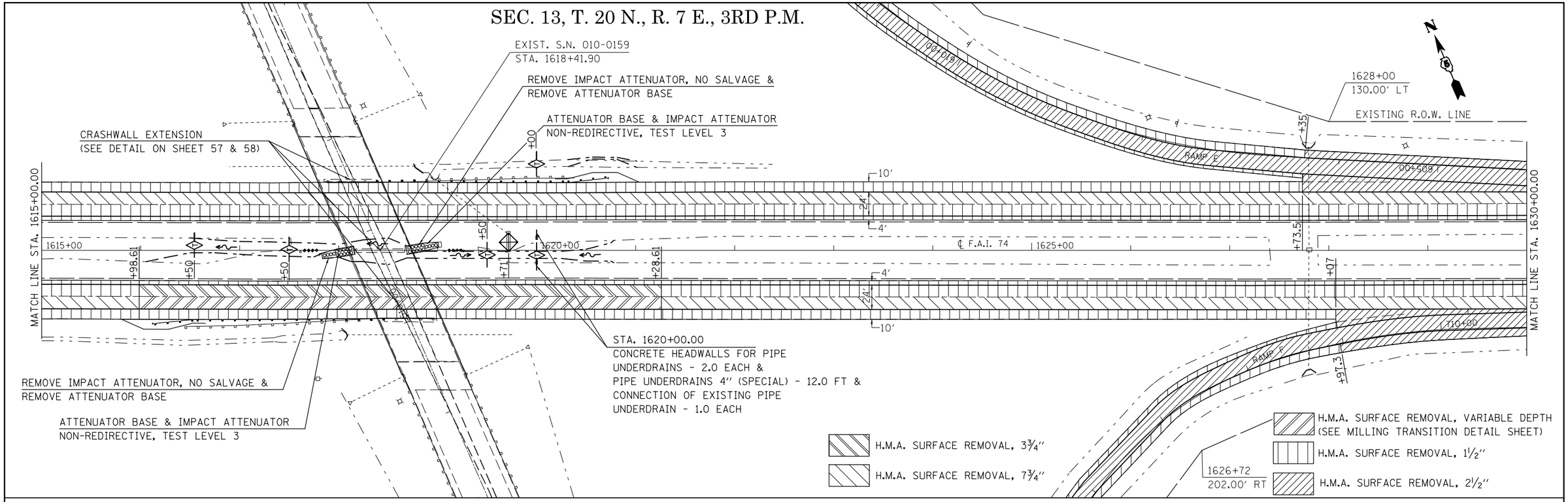
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

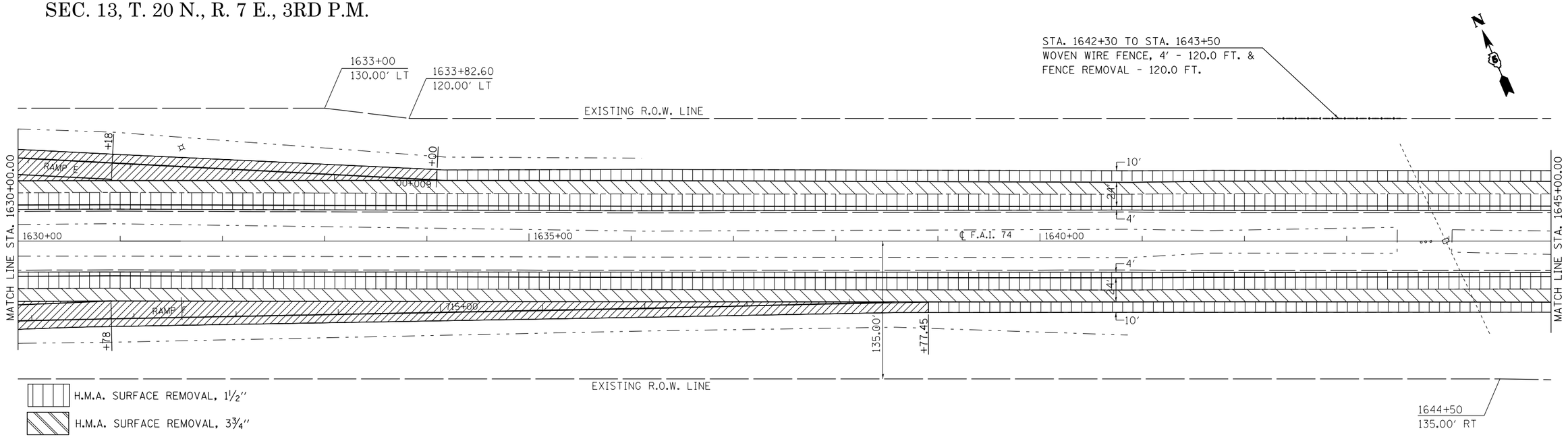
SCALE: | SHEET 4 OF 15 SHEETS | STA. 1585+00.00 TO STA. 1615+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	40
		CONTRACT NO. 70765		
		ILLINOIS FED. AID PROJECT		

SEC. 13, T. 20 N., R. 7 E., 3RD P.M.



SEC. 13, T. 20 N., R. 7 E., 3RD P.M.



SEC. 24, T. 20 N., R. 7 E., 3RD P.M.

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\Design\D570765-plan-sht.dgn	USER NAME = carrollrt	DESIGNED -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DRAWN -	REVISED -
		DATE -	REVISED -

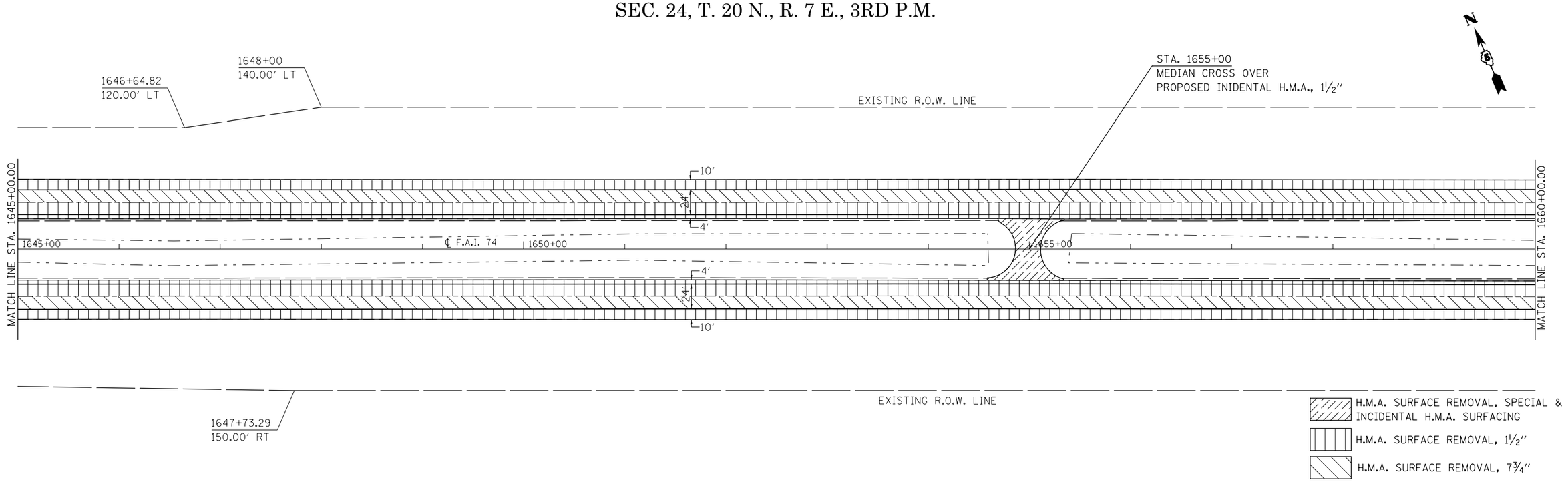
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: | SHEET 5 OF 15 SHEETS | STA. 1615+00.00 TO STA. 1645+00.00

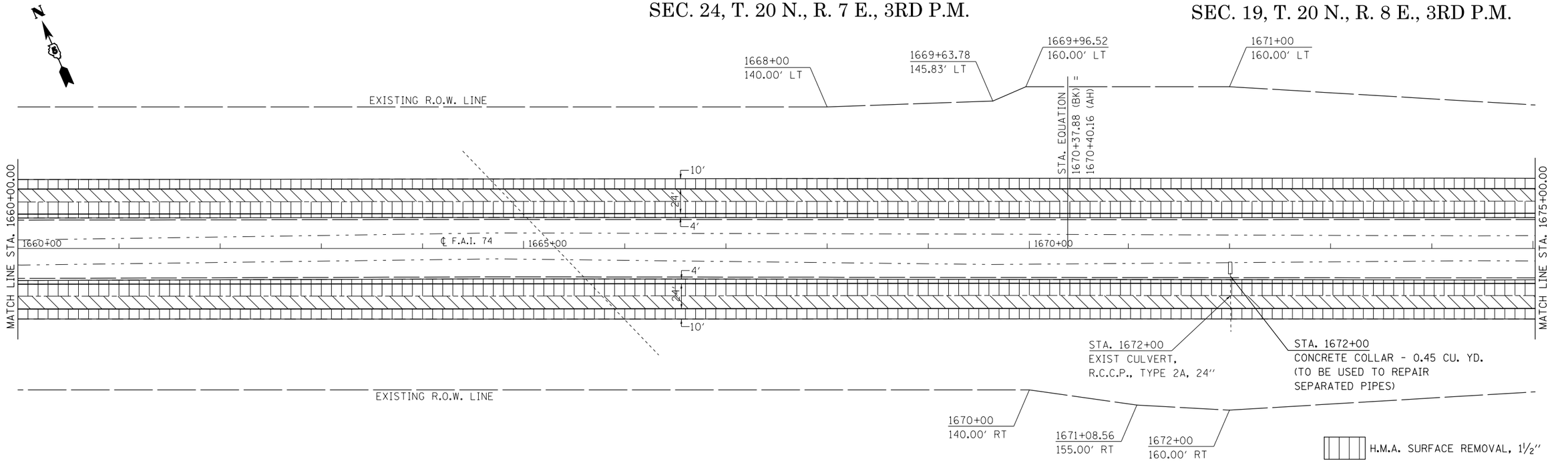
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	41
		CONTRACT NO. 70765		
		ILLINOIS FED. AID PROJECT		

SEC. 24, T. 20 N., R. 7 E., 3RD P.M.



SEC. 24, T. 20 N., R. 7 E., 3RD P.M.

SEC. 19, T. 20 N., R. 8 E., 3RD P.M.



FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DGNData\Design\D570765-plan-sht.dgn	USER NAME = carrollrt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE -	REVISED -

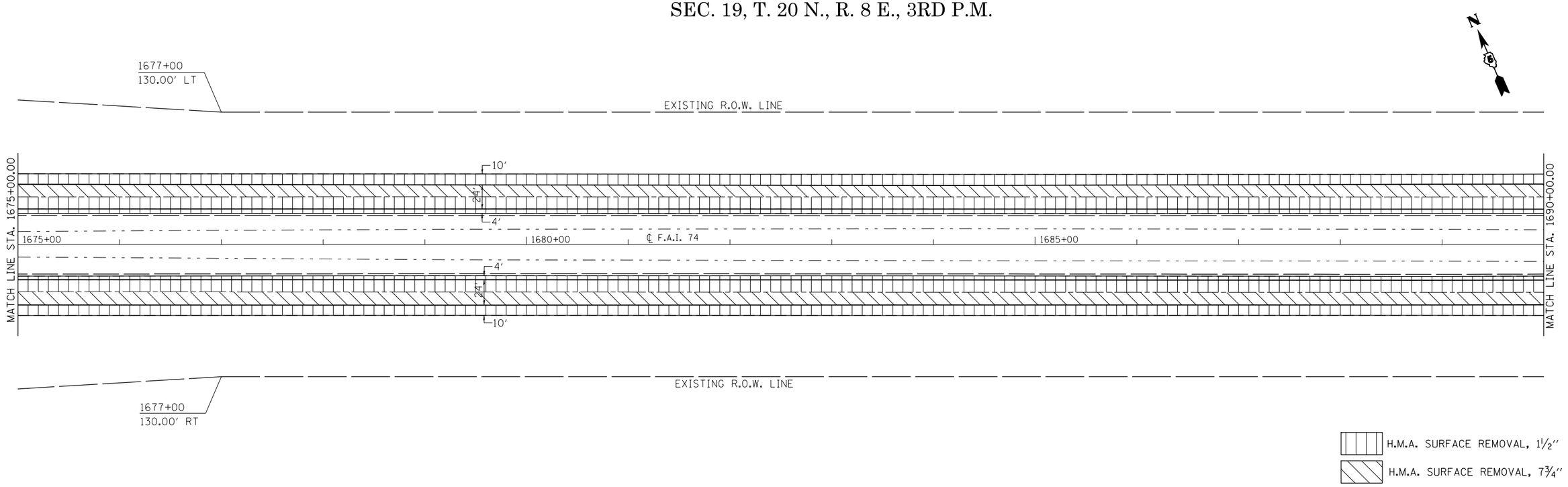
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

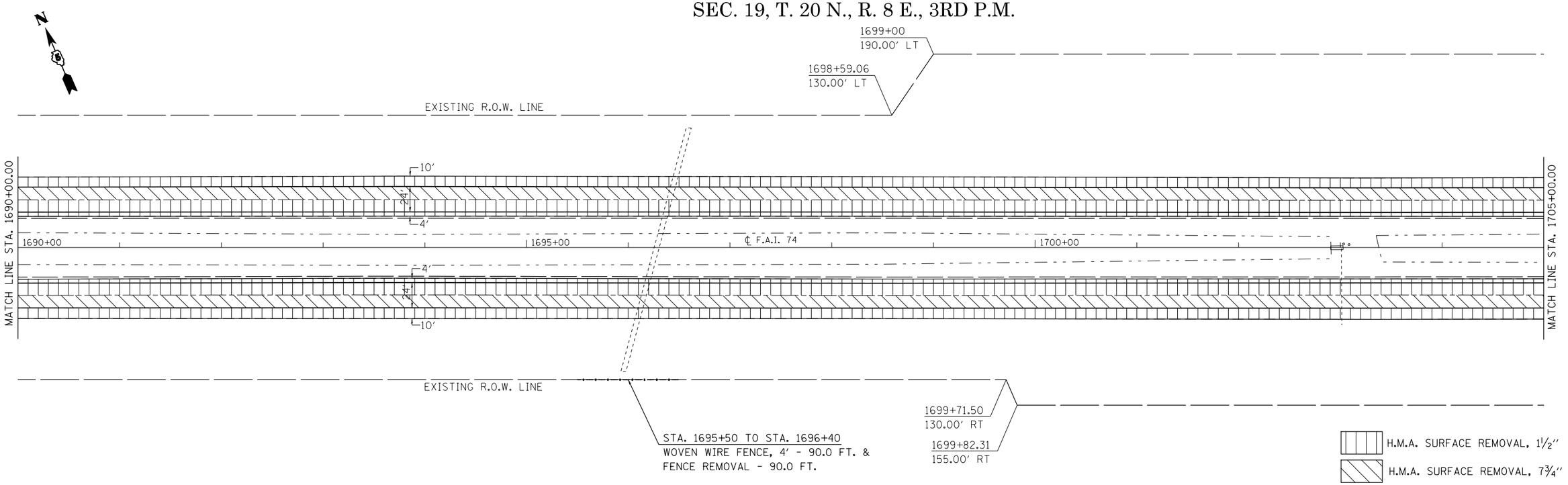
SCALE: | SHEET 6 OF 15 SHEETS | STA. 1645+00.00 TO STA. 1675+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	42
		CONTRACT NO. 70765		
		ILLINOIS FED. AID PROJECT		

SEC. 19, T. 20 N., R. 8 E., 3RD P.M.



SEC. 19, T. 20 N., R. 8 E., 3RD P.M.



FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DrawingData\Design\D570765-plan-sht.dgn	USER NAME = carrollrt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

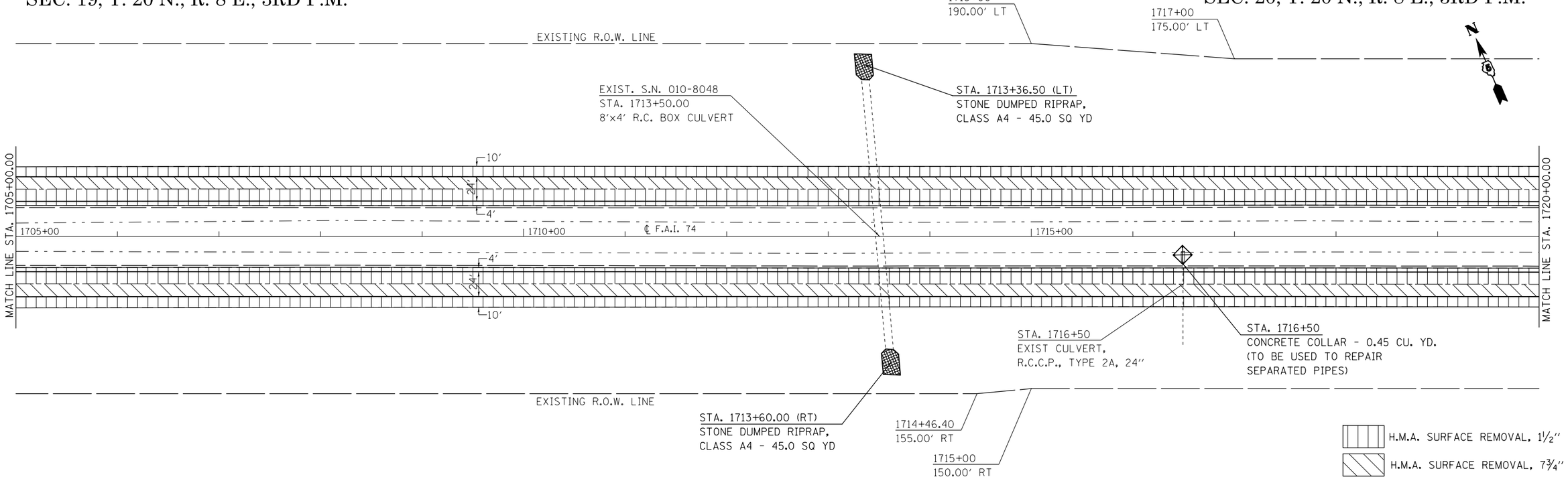
PLAN SHEET

SCALE: | SHEET 7 OF 15 SHEETS | STA. 1675+00.00 TO STA. 1705+00.00

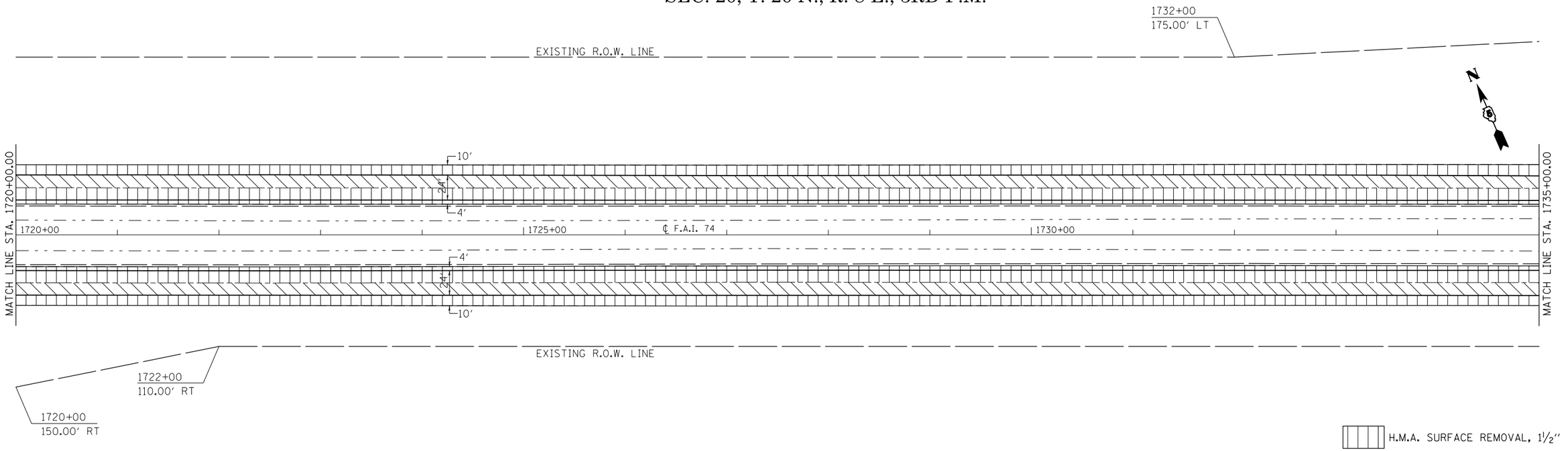
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	43
		CONTRACT NO. 70765		
	ILLINOIS FED. AID PROJECT			

SEC. 19, T. 20 N., R. 8 E., 3RD P.M.

SEC. 20, T. 20 N., R. 8 E., 3RD P.M.



SEC. 20, T. 20 N., R. 8 E., 3RD P.M.



FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DrawingData\Design\D570765-plan-sht.dgn	USER NAME = carrollrt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE -	REVISED -

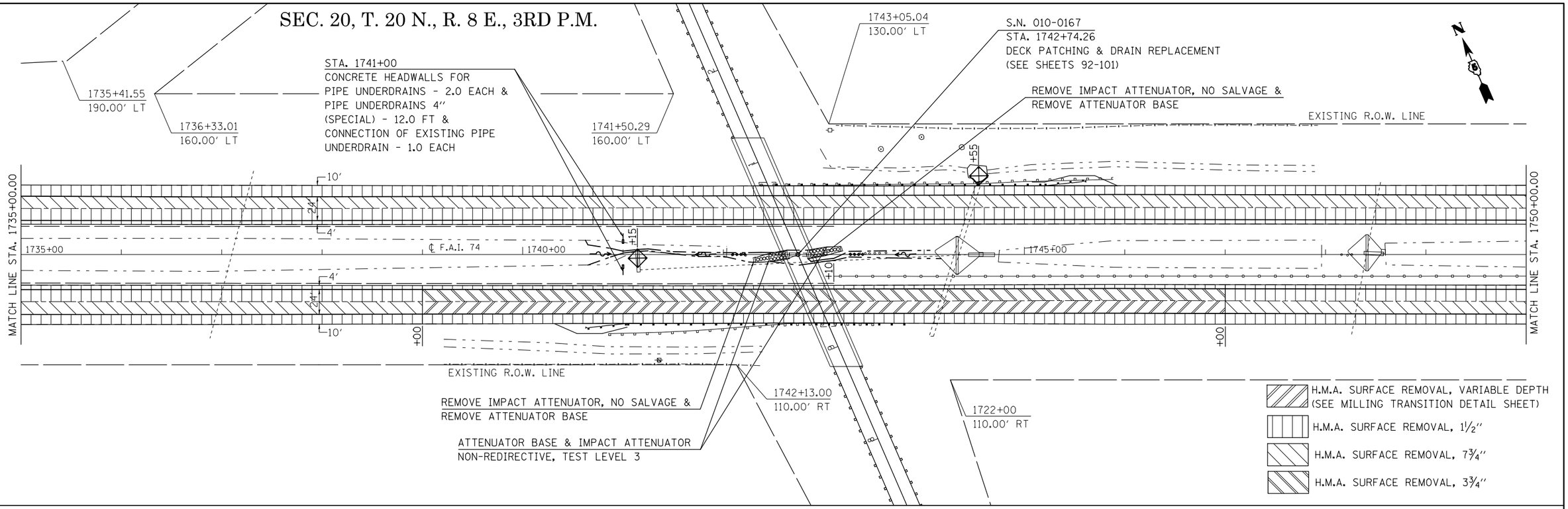
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

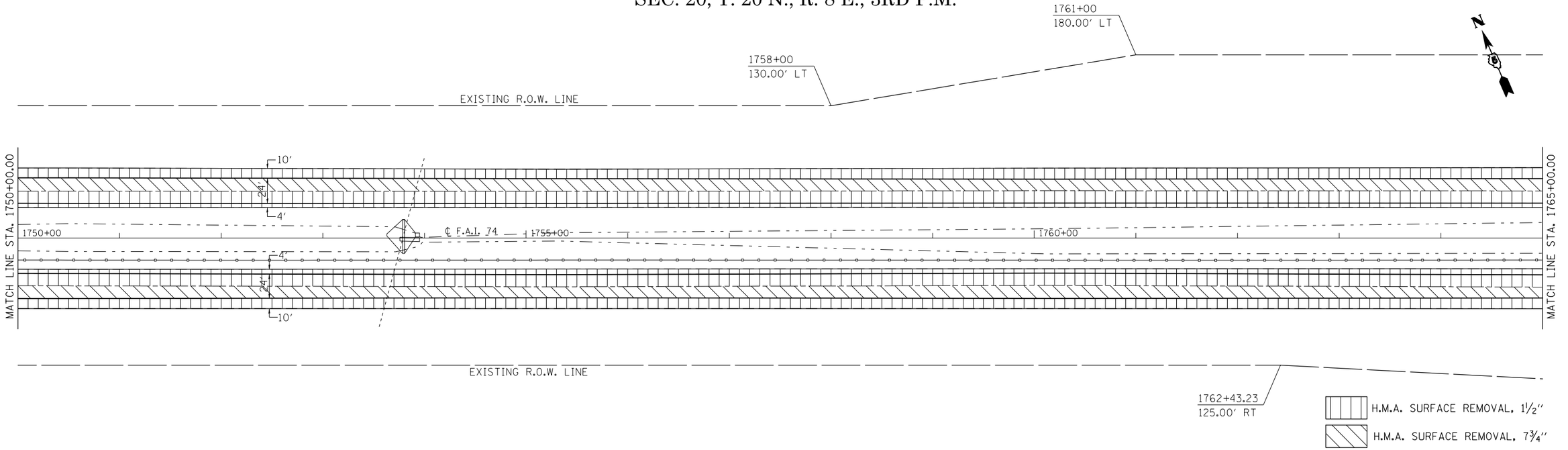
SCALE: | SHEET 8 OF 15 SHEETS | STA. 1705+00.00 TO STA. 1735+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	44
		CONTRACT NO. 70765		
		ILLINOIS FED. AID PROJECT		

SEC. 20, T. 20 N., R. 8 E., 3RD P.M.



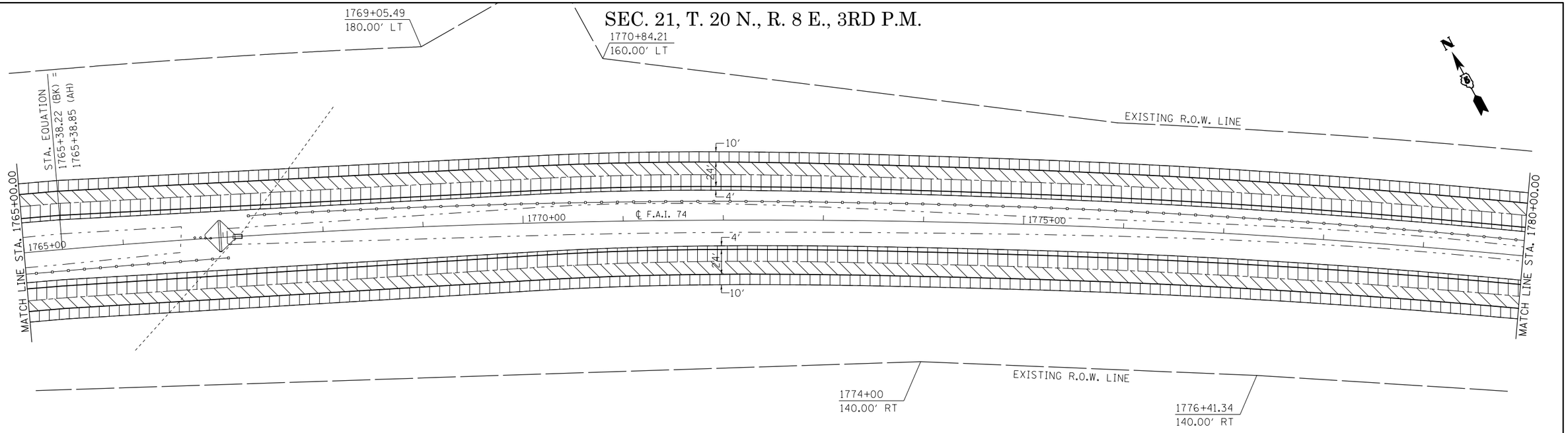
SEC. 20, T. 20 N., R. 8 E., 3RD P.M.



SEC. 29, T. 20 N., R. 8 E., 3RD P.M.

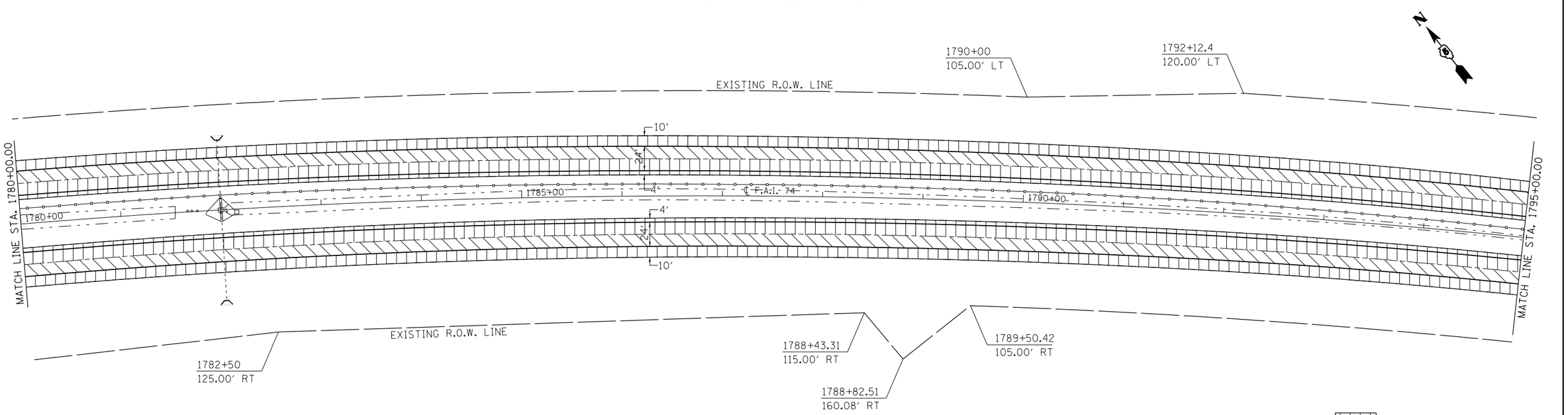
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DRAWINGData\Design\D570765-plan-sht.dgn	USER NAME = carrollrt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-74 PLAN SHEET	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -			74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	45
$MODELNAME$	PLOT DATE = 8/13/2015	DATE -	REVISED -					CONTRACT NO. 70765		
					SCALE: SHEET 9 OF 15 SHEETS STA. 1735+00.00 TO STA. 1765+00.00			ILLINOIS FED. AID PROJECT		

SEC. 21, T. 20 N., R. 8 E., 3RD P.M.



SEC. 29, T. 20 N., R. 8 E., 3RD P.M.

SEC. 28, T. 20 N., R. 8 E., 3RD P.M.



FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D5707BRAWNData\Design\D570765-plan-sht.dgn	USER NAME = carrollrt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE -	REVISED -

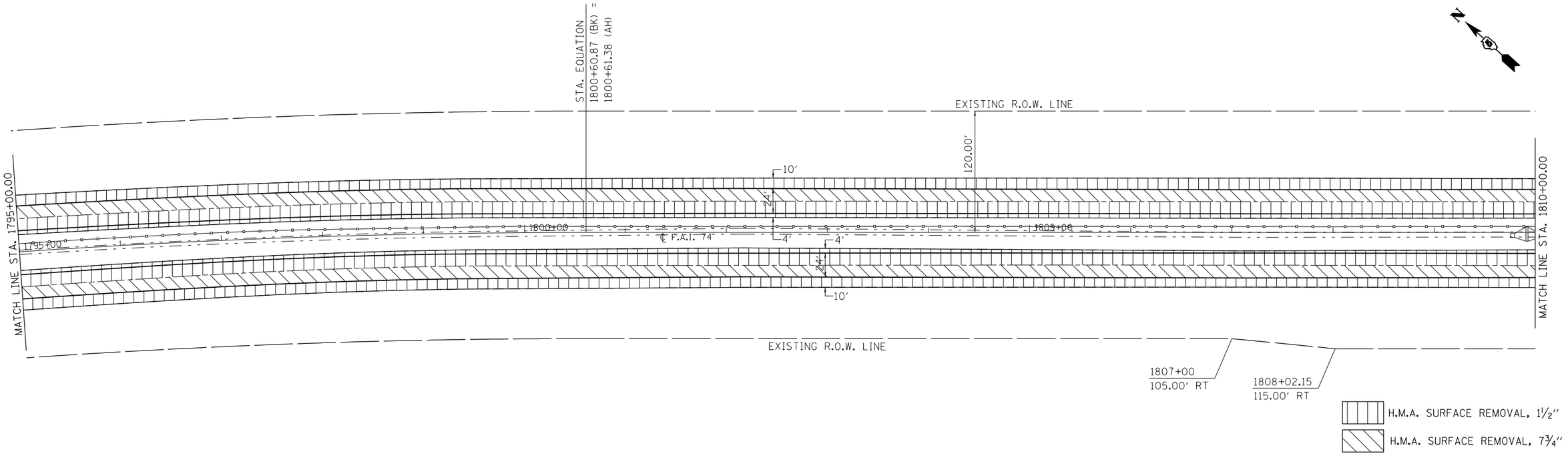
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

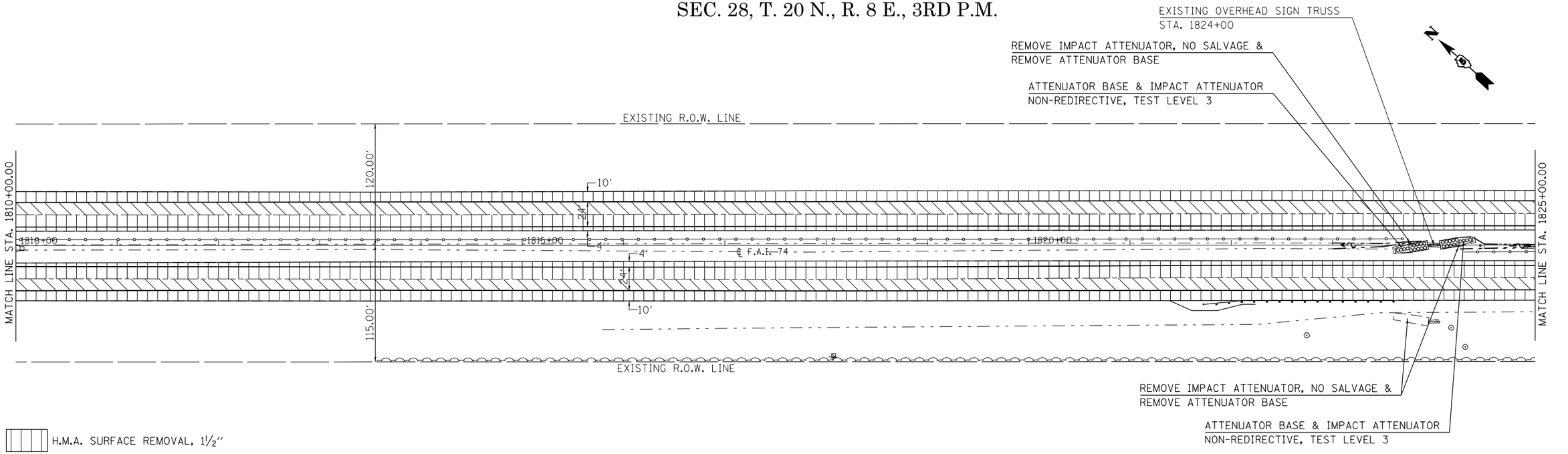
SCALE: | SHEET 10 OF 15 SHEETS | STA. 1765+00.00 TO STA. 1795+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	46
		CONTRACT NO. 70765		
		ILLINOIS FED. AID PROJECT		

SEC. 28, T. 20 N., R. 8 E., 3RD P.M.



SEC. 28, T. 20 N., R. 8 E., 3RD P.M.



FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -
pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DRAWINGData\Design\D570765-plan-sht.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE -	REVISED -

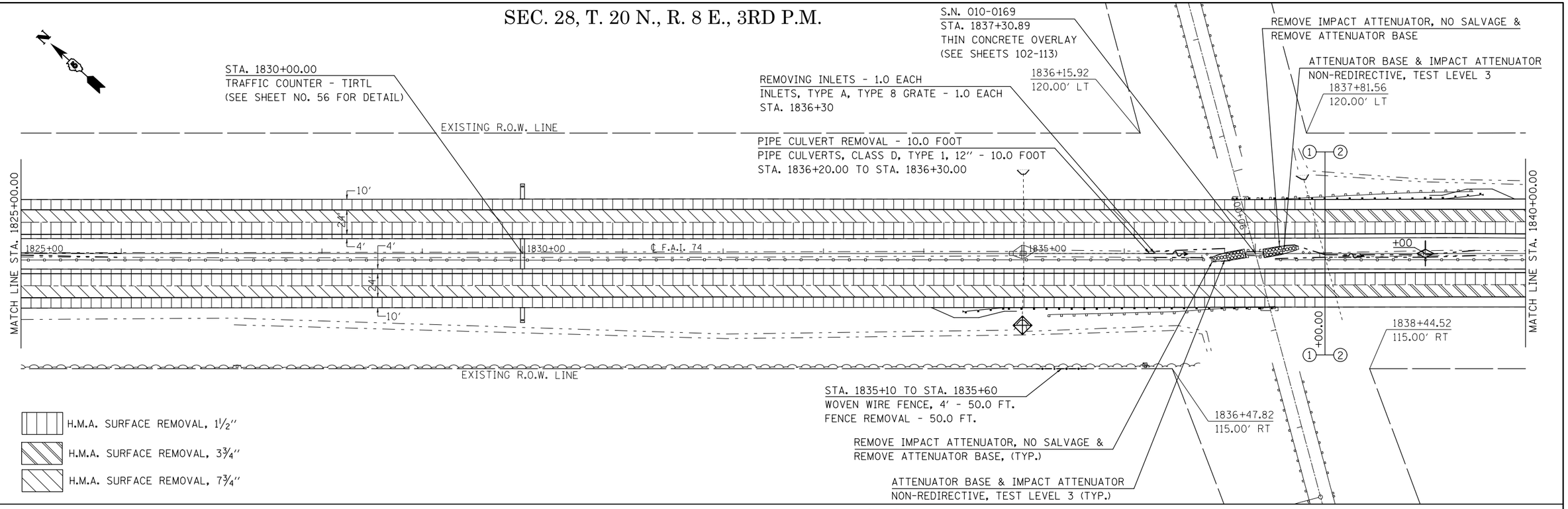
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

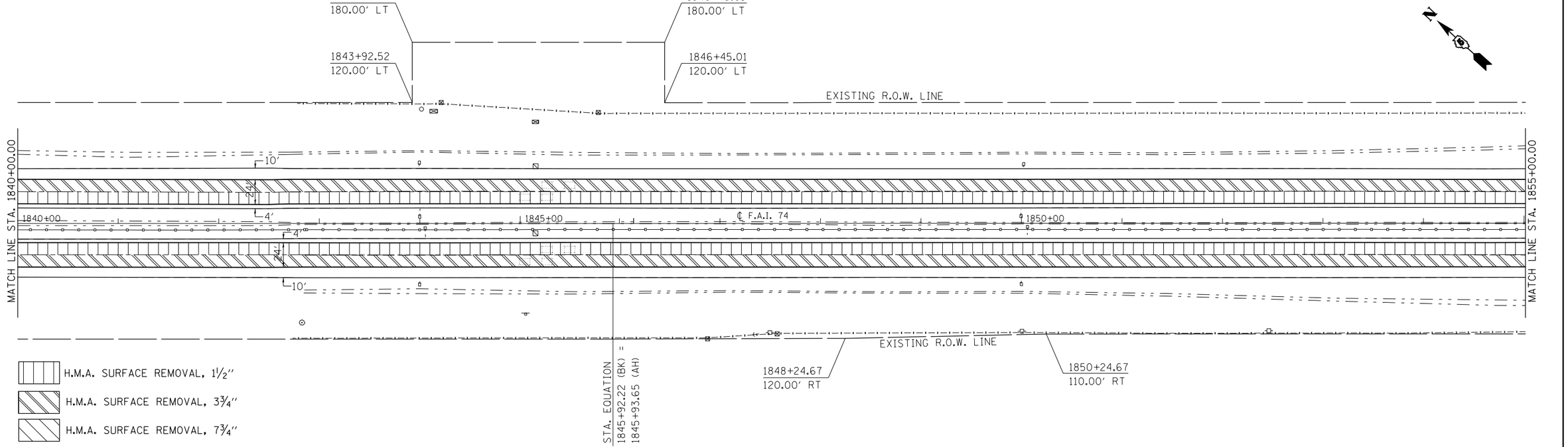
SCALE: | SHEET 11 OF 15 SHEETS | STA. 1795+00.00 TO STA. 1825+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	47
		CONTRACT NO. 70765		
		ILLINOIS FED. AID PROJECT		

SEC. 28, T. 20 N., R. 8 E., 3RD P.M.



SEC. 34, T. 20 N., R. 8 E., 3RD P.M.



SEC. 33, T. 20 N., R. 8 E., 3RD P.M.

SEC. 34, T. 20 N., R. 8 E., 3RD P.M.

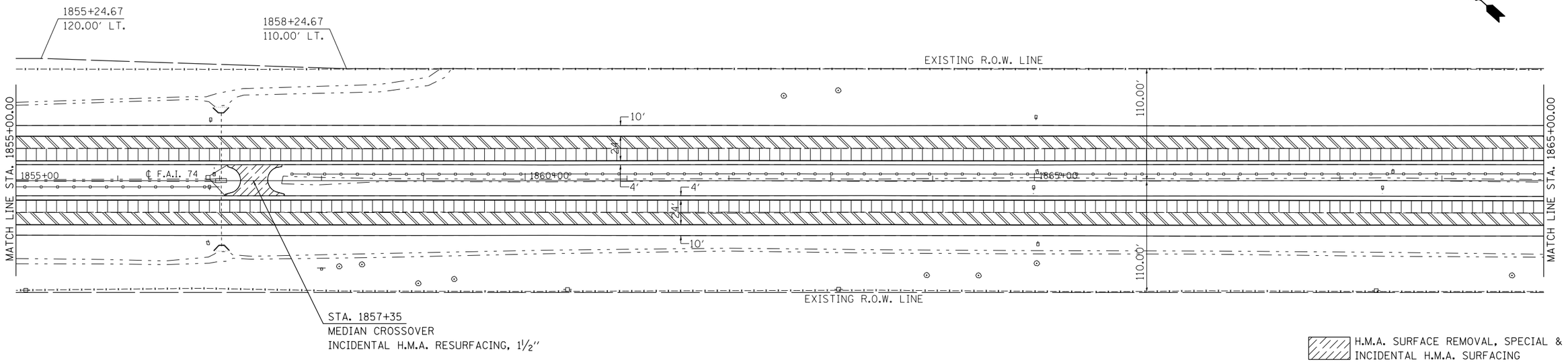
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DrawingData\Design\D570765-plan-sht.dgn	USER NAME = carrollrt	DESIGNED -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	DRAWN -	REVISED -
	PLOT DATE = 8/13/2015	CHECKED -	REVISED -
$MODELNAME$		DATE -	REVISED -

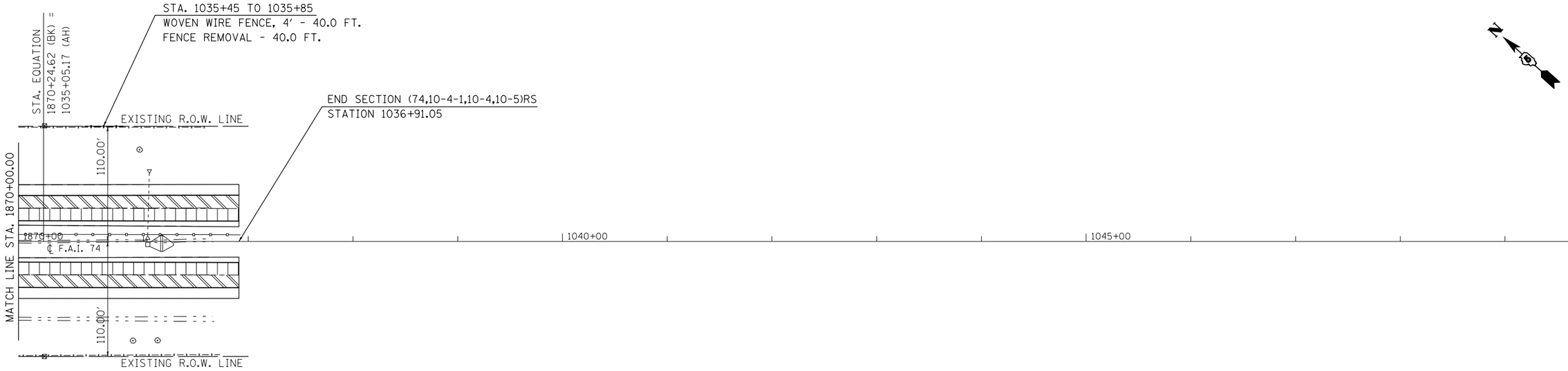
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: | SHEET 12 OF 15 SHEETS | STA. 1825+00.00 TO STA. 1855+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	48
		CONTRACT NO. 70765		
		ILLINOIS FED. AID PROJECT		





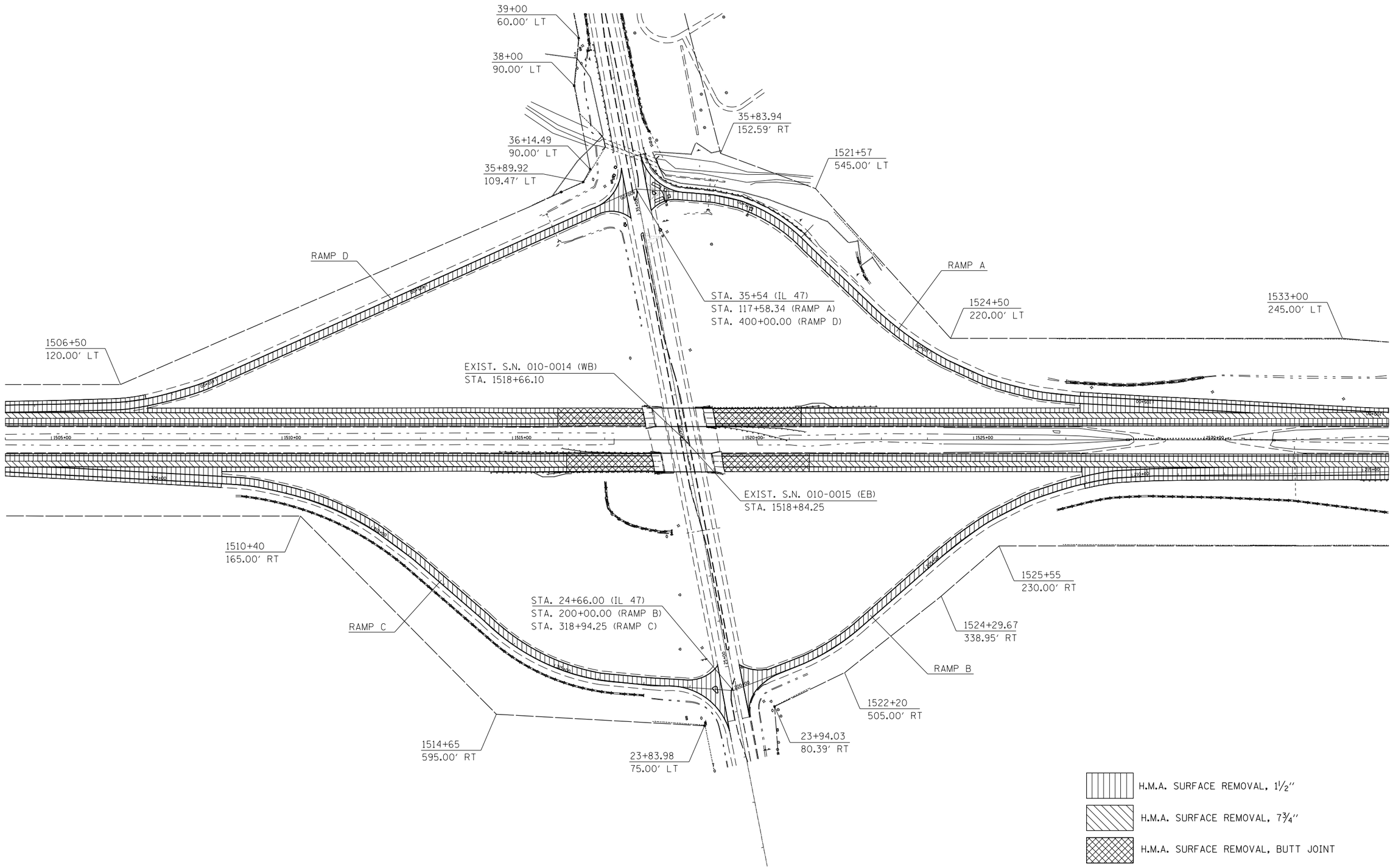
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DRAWNData\Design\D570765-plan-sht.dgn	USER NAME = carrollrt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET

SCALE: | SHEET 13 OF 15 SHEETS | STA. 1855+00.00 TO STA. 1036+91.05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	49
		CONTRACT NO. 70765		
	ILLINOIS FED. AID PROJECT			



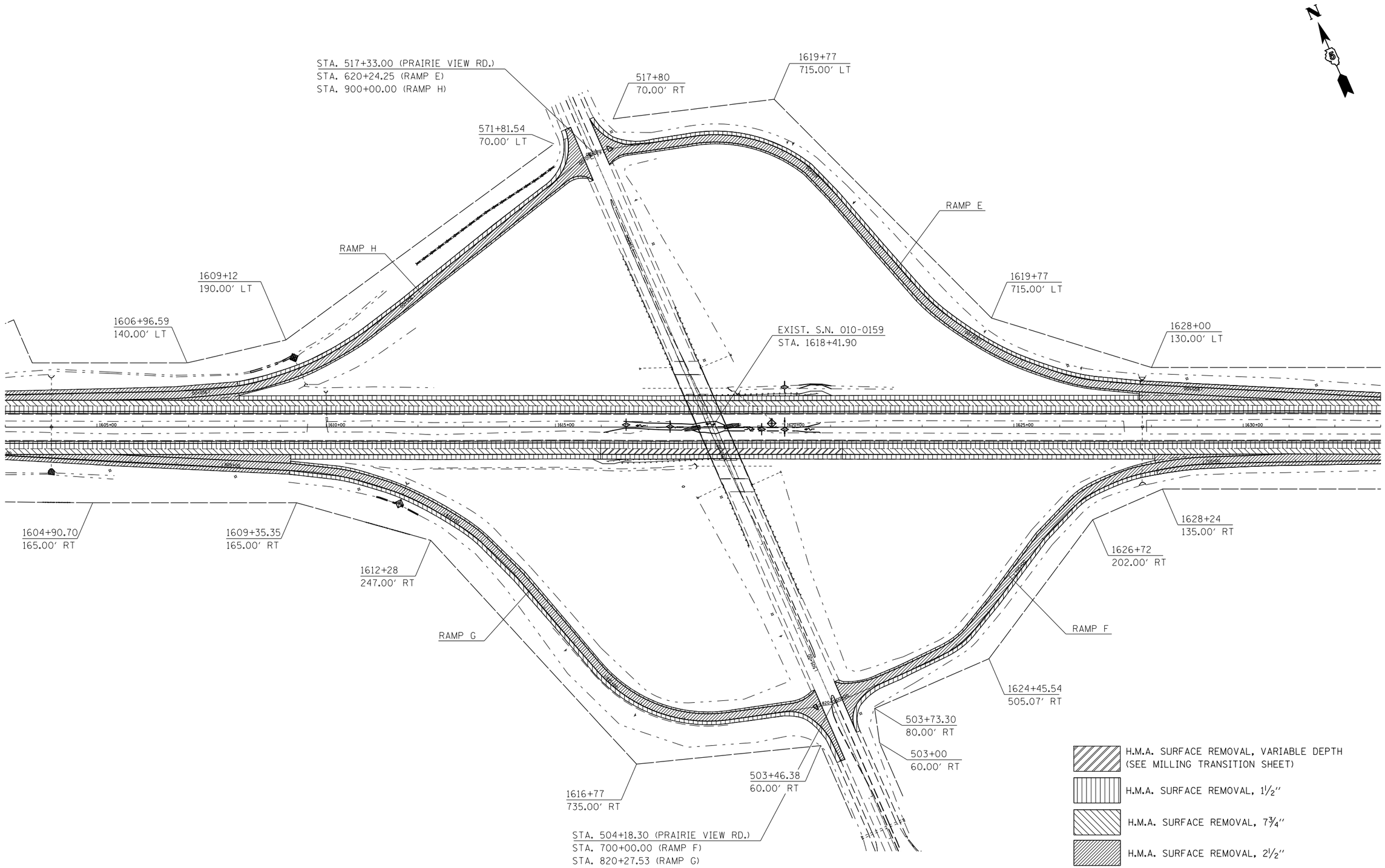
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DRAWNData\Design\D570765-plan-sht.dgn	USER NAME = carrollrt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 200.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-74 & IL 47 INTERCHANGE
PLAN SHEET

SCALE: | SHEET 14 OF 15 SHEETS | STA. 1504+00 | TO STA. 1534+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	50
		CONTRACT NO. 70765		
		ILLINOIS	FED. AID PROJECT	



FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -
pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\BRAWNData\Design\D570765-plan-sht.dgn		DRAWN -	REVISED -
	PLOT SCALE = 200.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-74 & PRAIRIE VIEW ROAD INTERCHANGE
PLAN SHEET

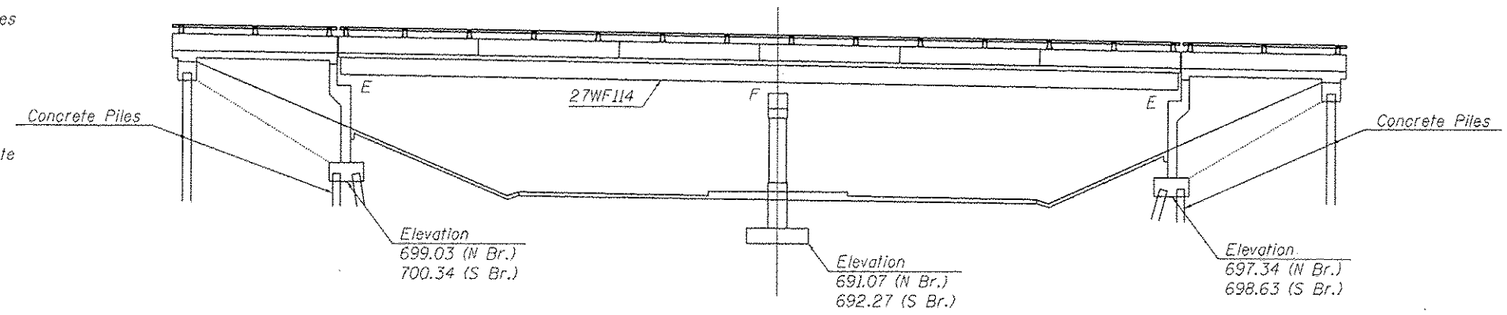
SCALE: | SHEET 15 OF 15 SHEETS | STA. 1603+00 | TO STA. 1633+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	51
		CONTRACT NO. 70765		
	ILLINOIS FED. AID PROJECT			

Structures 010-0014 & 010-0015 were built in 1966 as FAI route 74, Section 10-4HB at station 1518+75.19 by the State of Illinois in Champaign County. In 1975, the structures received a waterproofing mebrane with a Bitumious Concrete wearing surface as Section District 5 Waterproofing 1975-3.

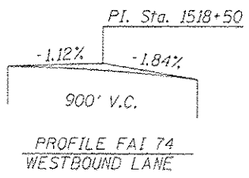
The existing structures are two-span structures with back-to-back of abutment length of 113'-4". The structures measure 40'-0" from face-to-face of parapets and has an out-to-out width of 42'-0". The structures were built on a 10°-57' right-forward skew. The superstructures consist of seven WF steel girders supporting a 7" reinforced concrete deck. The superstructure is supported by two pile bent vaulted abutments and a pier on a spread footing. The slopes are protected with concrete slope walls.

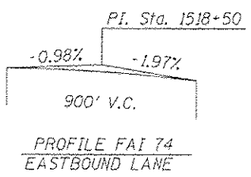
Method of Construction: STAGE CONSTRUCTION

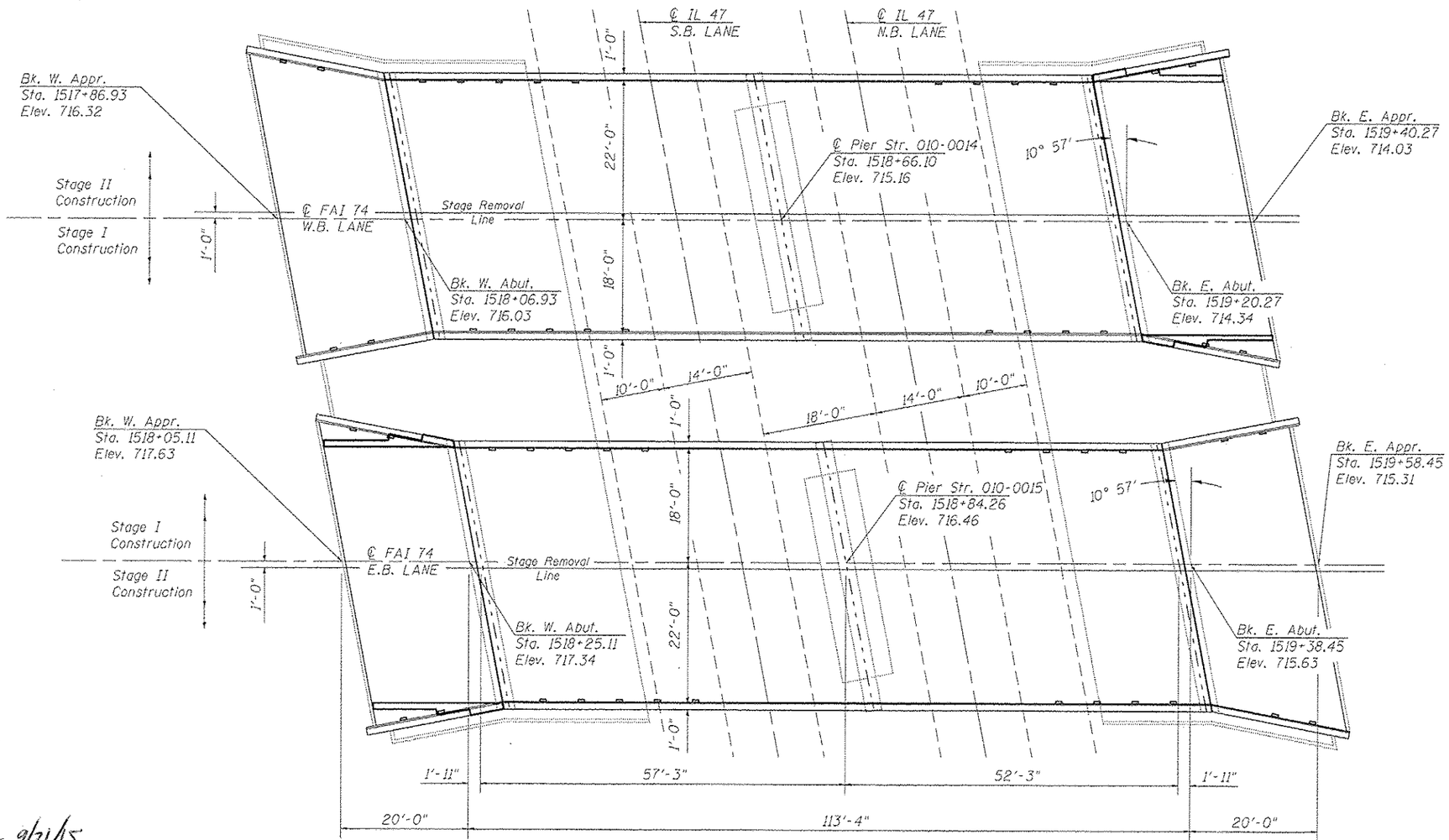


ELEVATION VIEW

(Elevations from As-Built Plans for Perspective Only)







PLAN VIEW

LICENSED STRUCTURAL ENGINEER
DAVID CARL PUZEY
081-005470
SPRINGFIELD
ILLINOIS
STATE OF ILLINOIS

D Carl Puzey 9/21/15
Expires 11/30/16

FILE NAME =	USER NAME = carroll-t	DESIGNED - ESS	REVISED -
p:\\IL004EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 5\Projects\D5727765\DRAWNData\Struc\ESS\D5727765-sht-Repo	PLOT SCALE = 42.0000 ' / in.	CHECKED - SMR	REVISED -
$MODELNAME$	PLOT DATE = 9/12/2015	DATE - 11/7/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
S.N. 010-0014 (WB) & S.N. 010-0015 (EB)

SCALE: | SHEET 1 OF 33 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	52
		CONTRACT NO. 70765		
	ILLINOIS	FED. AID PROJECT		

PROPOSED WORK

1. *Remove Existing Waterproofing Membrane System and H.M.A. Wearing Surface from Bridge Deck.*
2. *Remove Existing Waterproofing Membrane System and H.M.A. Wearing Surface from Approach Slabs.*
3. *Perform Bridge Deck Scarification on Bridge Deck and Approach Slabs.*
4. *Partial Removal of Deck Ends, Parapets, and Removal of Hatch Block.*
5. *Removal of Existing Joints.*
6. *Perform Full-Depth Patching.*
7. *Replace Existing Bearings with Elastomeric Bearings at Abutments.*
8. *Place Reinforcement Bars, Locking Edge Rail, and Studs.*
9. *Pour Deck Ends and Hatch Block.*
10. *Insert Rubber Strip Seal into Locking Edge Rails.*
11. *Pour Parapet Ends and Approach Bridge Rail Extensions.*
12. *Place Latex Concrete Overlay on Bridge Deck and Approach Slabs.*
13. *Repair Substructure Units-Abutments. Place Traffic Barrier Terminal, Type 6.*

TOTAL BILL OF MATERIALS

ITEM	UNIT	QUANTITY
HOT-MIX ASPHALT SURFACE REMOVAL (DECK)	SQ YD	1371.0
CONCRETE REMOVAL	CU YD	19.7
PROTECTIVE SHIELD	SQ YD	410.0
FLOOR DRAINS	EACH	16.0
CONCRETE SUPERSTRUCTURE	CU YD	31.8
BRIDGE DECK GROOVING	SQ YD	1286.0
PROTECTIVE COAT	SQ YD	140.0
FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	4210.0
STUD SHEAR CONNECTORS	EACH	224.0
REINFORCEMENT BARS, EPOXY COATED	POUND	4910.0
BAR SPLICERS	EACH	64.0
PREFORMED JOINT STRIP SEAL	FOOT	180.0
ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	28.0
ANCHOR BOLTS, 1"	EACH	56.0
TEMPORARY CONCRETE BARRIER	FOOT	1050.0
RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1050.0
IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2.0
IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2.0
PAINT PAVEMENT MARKING - LINE 4 "	FOOT	9120.0
WIDTH RESTRICTION SIGNING	L SUM	0.5
JACK AND REMOVE EXISTING BEARINGS	EACH	28.0
BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/4 INCHES	SQ YD	1279.0
BRIDGE DECK SCARIFICATION 3/4 INCHES	SQ YD	1302.0
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES	SQ FT	138.0
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	10.8
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	62.3
POLYMER CONCRETE	CU FT	6.6
PLUG EXISTING DECK DRAINS	EACH	16.0
TEMPORARY SHORING AND CRIBBING	EACH	4.0

GENERAL NOTES

The deck ends and hatch blocks shall have its final surface tined according to Article 420.09 (e) (1) of the Standard Specifications. Cost to be included with concrete superstructures.

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 work. However, the Contractor will be paid for the quantity actually furnished at the unit price for the work.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

All structural steel shall conform to AASHTO Classification M-270 Grade 36, unless otherwise noted.

Reinforcement bars designated (E) shall be epoxy coated.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

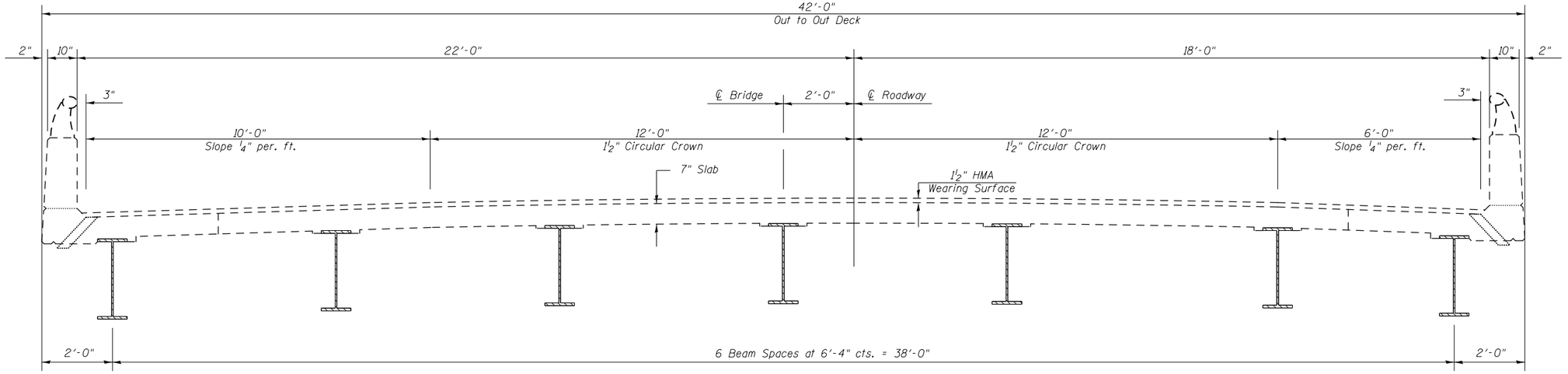
Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

Joint openings shall be adjusted according to article 520.04 of the Std. Specs. when the deck is poured at an ambient temperature other than 50°F.

If the analysis submitted to the contractor for jacking/temporary support system to be used shows temporary stiffeners are required to prevent web crippling or buckling, the stiffeners shall be steel and bolted to the web. If stiffeners are not required, hard wood timbers shall be installed tightly between the top and bottom flange to prevent flange rotation.

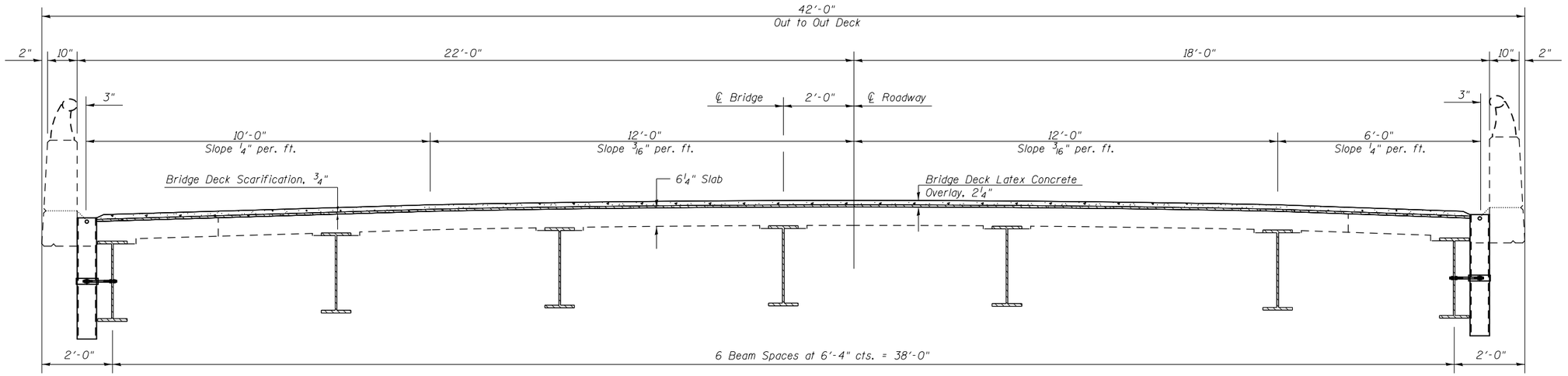
S.N. 010-0014 & 0015 have been determined, through testing, not to involve asbestos in a bituminous bridge deck wearing surface or waterproofing membrane. As certified with BBS Form 2536, Janurary 3, 2003.

EXISTING DECK CROSS SECTION



Looking East Str. 010-0014
Looking West Str. 010-0015

PROPOSED DECK CROSS SECTION



Looking East Str. 010-0014
Looking West Str. 010-0015

FILE NAME =	USER NAME = carrollrt	DESIGNED - ESS	REVISED -
pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DrawingData\Structure\D570765-sht-Repair.dgn		DRAWN - ESS	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE - 11/12/2013	REVISED -

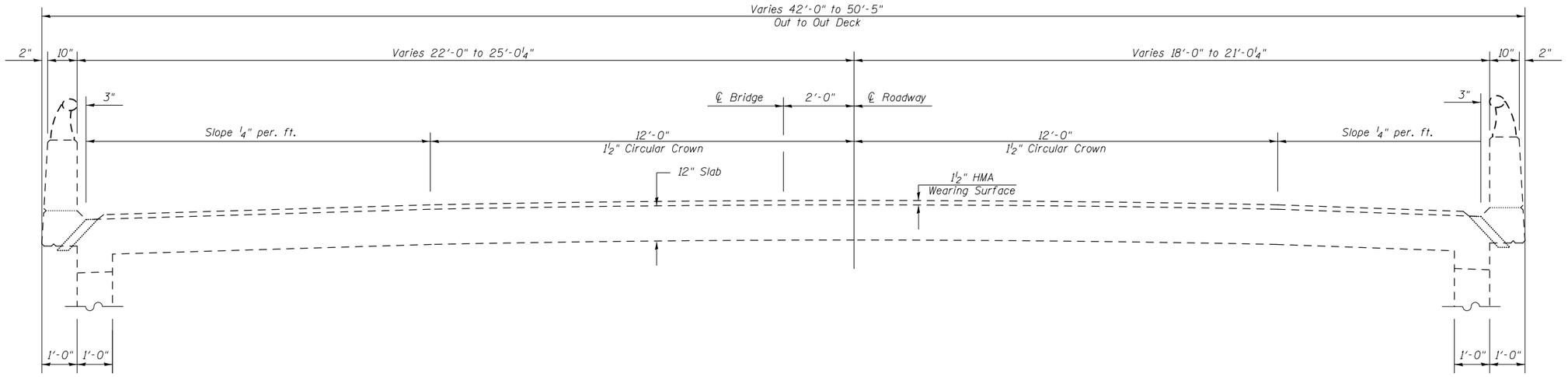
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL DECK CROSS SECTION
S.N. 010-0014 (WB) & 010-0015 (EB)

SCALE: | SHEET 3 OF 33 SHEETS | STA. | TO STA.

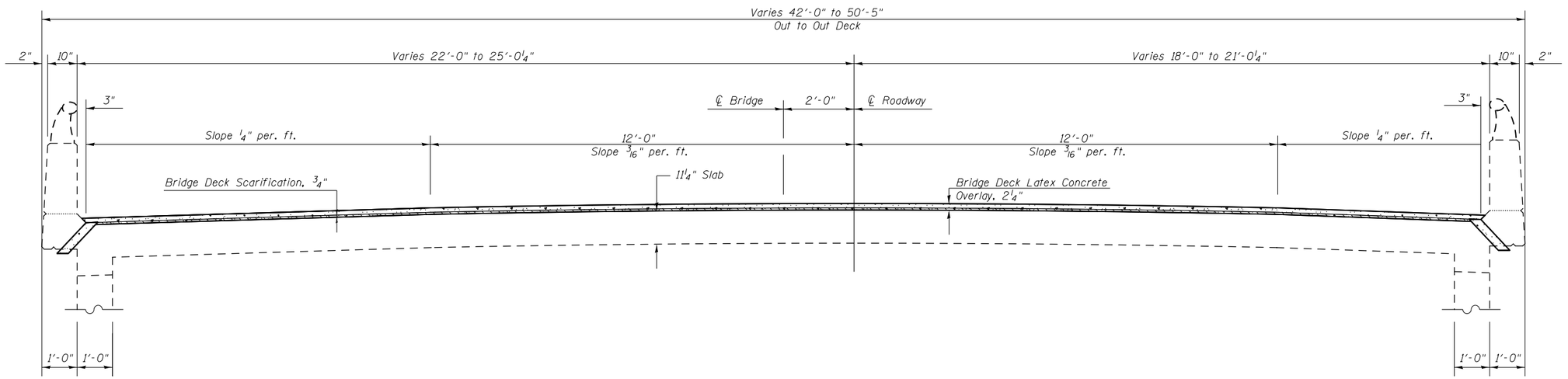
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	54
		CONTRACT NO. 70765		
	ILLINOIS FED. AID PROJECT			

EXISTING APPROACH CROSS SECTION



Looking East Str. 010-0014
Looking West Str. 010-0015

PROPOSED APPROACH CROSS SECTION



Looking East (Departure End) Str. 010-0014
Looking West (Departure End) Str. 010-0015

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DrawingData\Structure\D570765-sht-Repair.dgn	USER NAME = carrollrt	DESIGNED - ESS	REVISED -
		DRAWN - ESS	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE - 11/12/2013	REVISED -

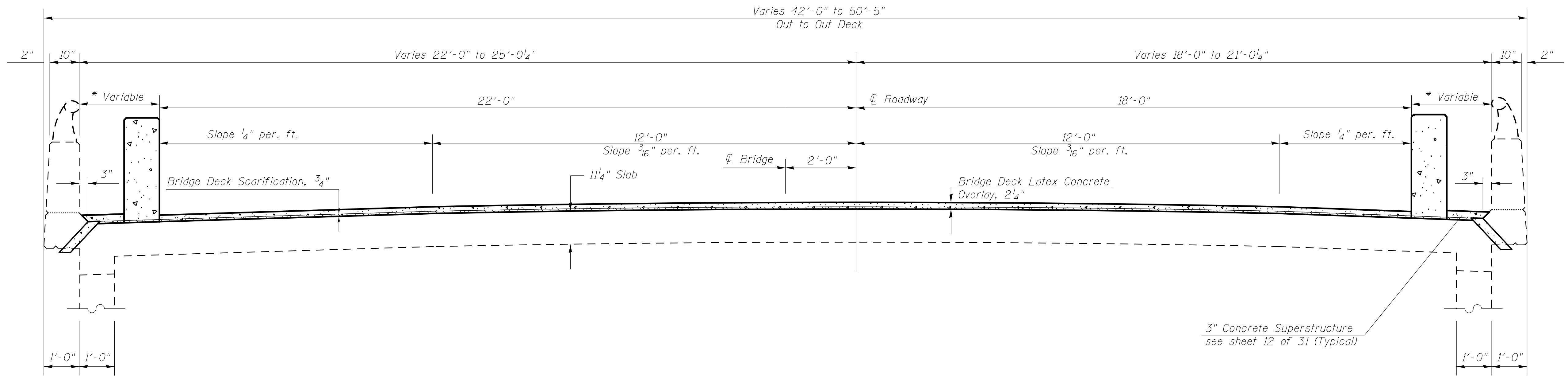
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL APPROACH CROSS SECTION
S.N. 010-0014 (WB) & 010-0015 (EB)

SCALE: | SHEET 4 OF 33 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	55
		CONTRACT NO. 70765		
	ILLINOIS FED. AID PROJECT			

PROPOSED APPROACH CROSS SECTION



Looking East (Approach End) Str. 010-0014
Looking West (Approach End) Str. 010-0015

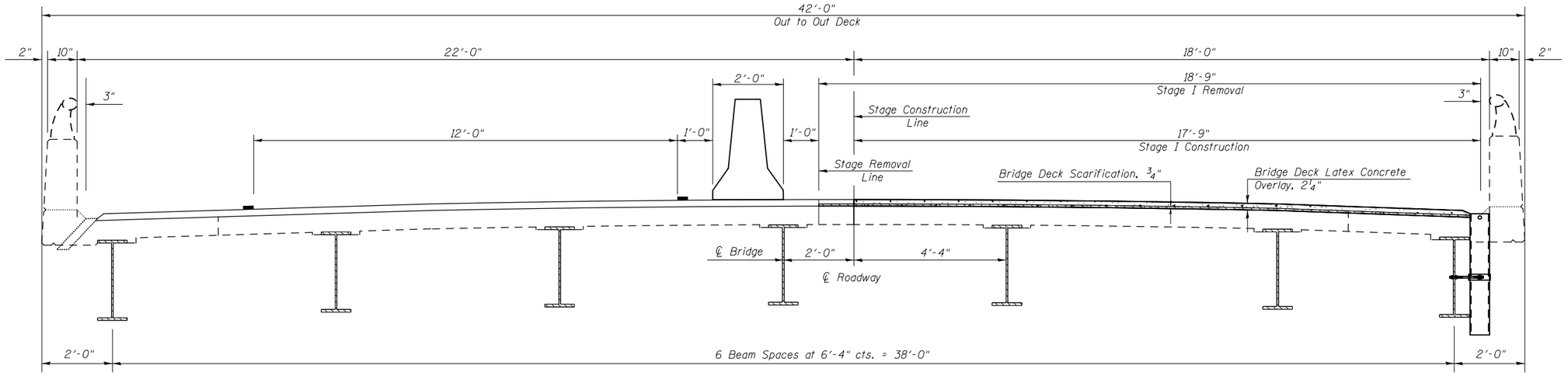
NOTE:

- SEE APPROACH PARAPET EXTENSION SHEET 13.

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\Data\Structures\D570765-sht-RepairPlans.dgn	USER NAME = carrollrt	DESIGNED - ESS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPROACH CROSS SECTION S.N. 010–0014 (WB) & S.N. 010–0015 (EB)	
		DRAWN - ESS	REVISED -			
	PLOT SCALE = 40.0000 '/ in.	CHECKED -	REVISED -			
$MODELNAME$	PLOT DATE = 8/13/2015	DATE - 12/27/2013	REVISED -		SCALE:	SHEET 5 OF 33 SHEETS STA. TO STA.

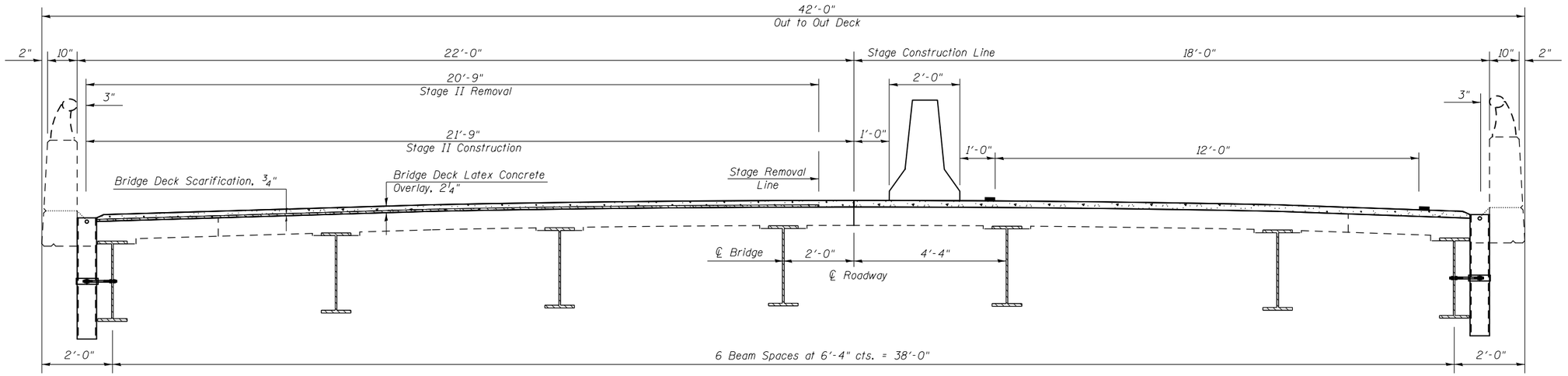
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	56
		CONTRACT NO. 70765		
	ILLINOIS	FED. AID PROJECT		

STAGE I CONSTRUCTION DETAILS
S.N. 010–0014 (WB) & S.N. 010–0015 (EB)



Looking East Str. 010-0014
Looking West Str. 010-0015

STAGE II CONSTRUCTION DETAILS
S.N. 010–0014 (WB) & S.N. 010–0015 (EB)



Looking East Str. 010-0014
Looking West Str. 010-0015

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DrawingData\Structures\D570765-sht-Repair.dgn	USER NAME = carrollrt	DESIGNED - ESS	REVISED -
		DRAWN - ESS	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE - 12/5/2013	REVISED -

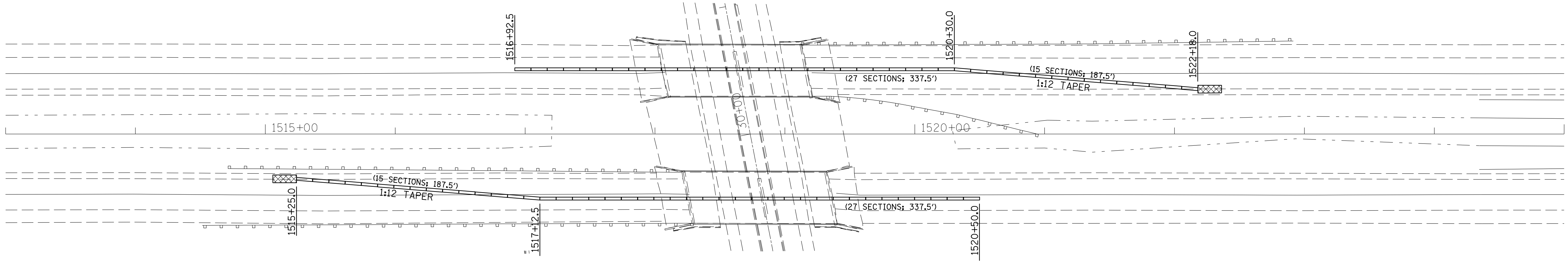
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAIL
S.N. 010–0014 (WB) & S.N. 010–0015 (EB)

SCALE: | SHEET 6 OF 33 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	57
		CONTRACT NO. 70765		
	ILLINOIS	FED. AID PROJECT		

TEMPORARY CONCRETE BARRIER LAYOUT–STAGE I
S.N. 010–0014 (WB) & S.N. 010–0015 (EB)



PLAN NOTES:

ALL STAGING DETAILS SHALL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARDS 701400 AND 701402 AND PAID FOR AT THE CONTRACT UNIT PRICE PER EACH LOCATION.

ALL WORK WITHOUT TEMPORARY CONCRETE BARRIER IN PLACE SHALL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARDS 701400 AND 701401.

FOR ADDITIONAL DETAILS ASSOCIATED WITH TEMPORARY CONCRETE BARRIER, SEE TRAFFIC CONTROL AND PROTECTION STANDARD 704001.

VERTICAL PANELS WITH LIGHTS AND REFLECTORS SHALL BE ATTACHED AT 25 FOOT CENTERS TO THE BARRIER WALL AND GUARDRAIL. COST INCLUDED WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701402.

REFLECTORIZED TEMPORARY MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER, AND ALONGSIDE BOTH SIDES OF THE WORK AREA. EXISTING MARKINGS THAT CONFLICT WITH THE STAGED TRAFFIC MARKINGS SHALL BE REMOVED. COST TO REMOVE EXISTING MARKINGS AND FOR THE PLACEMENT AND REMOVAL OF TEMPORARY MARKINGS SHALL BE INCLUDED WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701402.

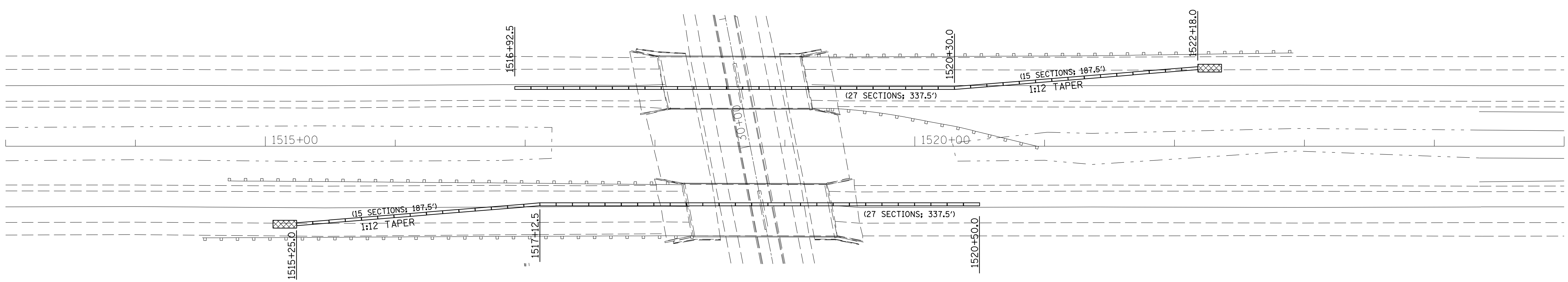
PRIOR TO ROUTING TRAFFIC ONTO THE SHOULDERS, THE CONTRACTOR SHALL SECURE ANY GRATES ON SHOULDER INLETS AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PORTABLE CHANGEABLE MESSAGE SIGNS ARE REQUIRED TWO WEEKS PRIOR TO CONSTRUCTION. THE RESIDENT ENGINEER OR TRAFFIC CONTROL SUPERVISOR SHALL PROVIDE AN APPROPRIATE MESSAGE.

SYMBOLS

- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATOR

TEMPORARY CONCRETE BARRIER LAYOUT–STAGE II
S.N. 010–0014 (WB) & S.N. 010–0015 (EB)



FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\Data\Structures\D570765-sht-Repair	USER NAME = carrollrt	DESIGNED - ESS	REVISED -
		DRAWN - ESS	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE - 8-12-2014	REVISED -

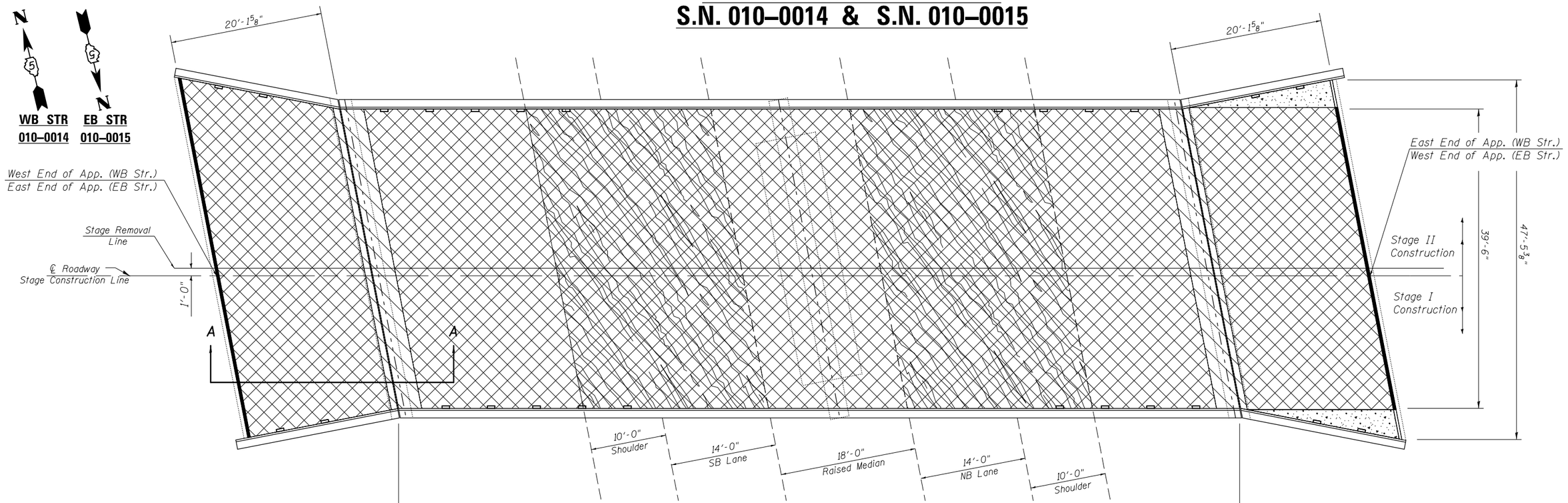
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

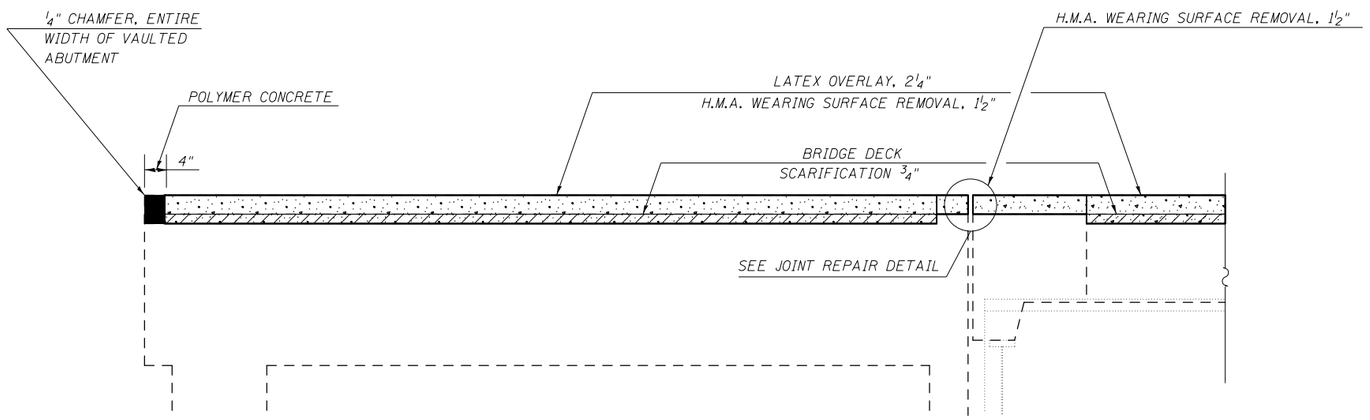
TEMPORTARY CONCRETE BARRIER
S.N. 010–0014 & S.N. 010–0015

SCALE: | SHEET 7 OF 33 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	58
		CONTRACT NO. 70765		
		ILLINOIS FED. AID PROJECT		

WEARING SURFACE PLAN
S.N. 010–0014 & S.N. 010–0015





SECTION A-A

H.M.A. Surface Removal (Deck) & Bridge Deck Scarification 3/4" & Bridge Deck Latex Concrete Overlay

H.M.A. Surface Removal (Deck) & Concrete Superstructure

H.M.A. Surface Removal (Deck) Bridge Deck Scarification 3/4" & Concrete Superstructure

Protective Shield

Polymer Concrete

BILL OF MATERIALS

ITEM	UNIT	TOTAL
PROTECTIVE SHIELD	SQ YD	410.0
H.M.A. SURFACE REMOVAL (DECK)	SQ YD	1371.0
BRIDGE DECK GROOVING	SQ YD	1286.0
BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/2"	SQ YD	1279.0
BRIDGE DECK SCARIFICATION 3/4"	SQ YD	1302.0
POLYMER CONCRETE	CU FT	6.6

NOTE:

BRIDGE DECK GROOVING SHALL BE DISCONTINUED AT 1'-0" FROM EACH PARAPET. SEE STANDARD SPECIFICATIONS SECTION 503.16 (a)(3)b.

FILE NAME =	USER NAME = carrollrt	DESIGNED - ESS	REVISED -
pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\BRMNData\Structures\D570765-sht-Repair.dgn		DRAWN - ESS	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE - 11/14/2013	REVISED -

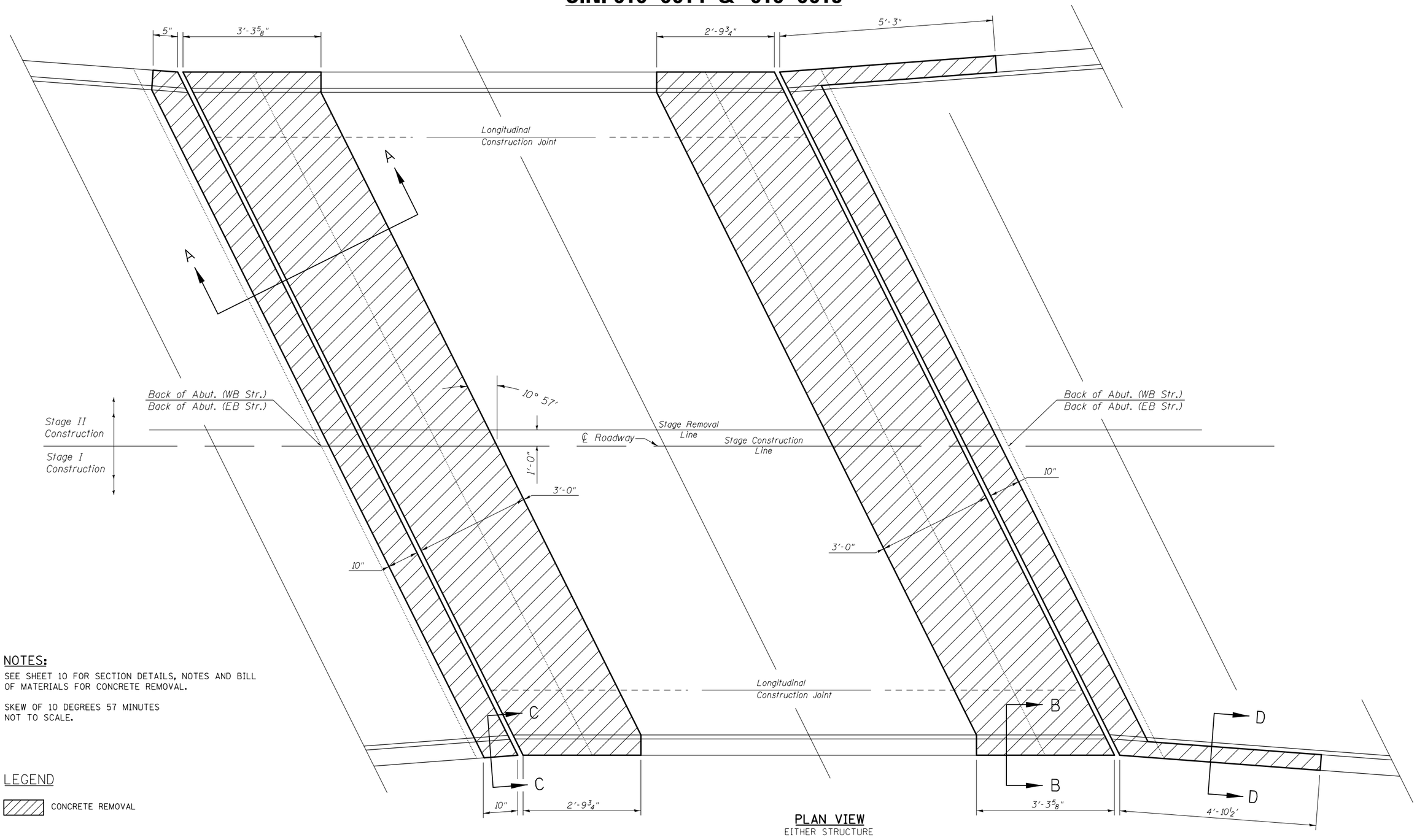
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEARING SURFACE DETAILS
S.N. 010–0014 (WB) & S.N. 010–0015 (EB)

SCALE: | SHEET 8 OF 33 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	59
		CONTRACT NO. 70765		
	ILLINOIS FED. AID PROJECT			

CONCRETE REMOVAL PLAN
S.N. 010–0014 & 010–0015



NOTES:

SEE SHEET 10 FOR SECTION DETAILS, NOTES AND BILL OF MATERIALS FOR CONCRETE REMOVAL.

SKEW OF 10 DEGREES 57 MINUTES
NOT TO SCALE.

LEGEND

CONCRETE REMOVAL

PLAN VIEW
EITHER STRUCTURE

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DrawingData\Structure\D570765-sht-Repair-Revised.dgn	USER NAME = carrollrt	DESIGNED - ESS	REVISED -
		DRAWN - ESS	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE - 12/4/2013	REVISED -

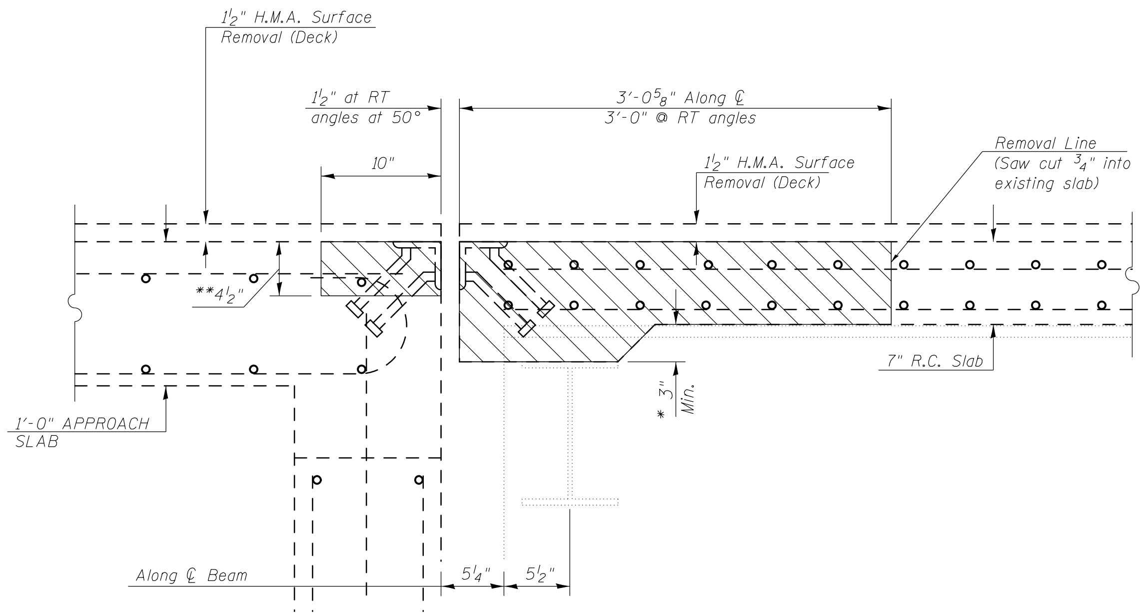
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE PLAN – CONCRETE REMOVAL
S.N. 010–0014 (WB) & S.N. 010–0015 (EB)

SCALE: | SHEET 9 OF 33 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	60
		CONTRACT NO. 70765		
		ILLINOIS FED. AID PROJECT		

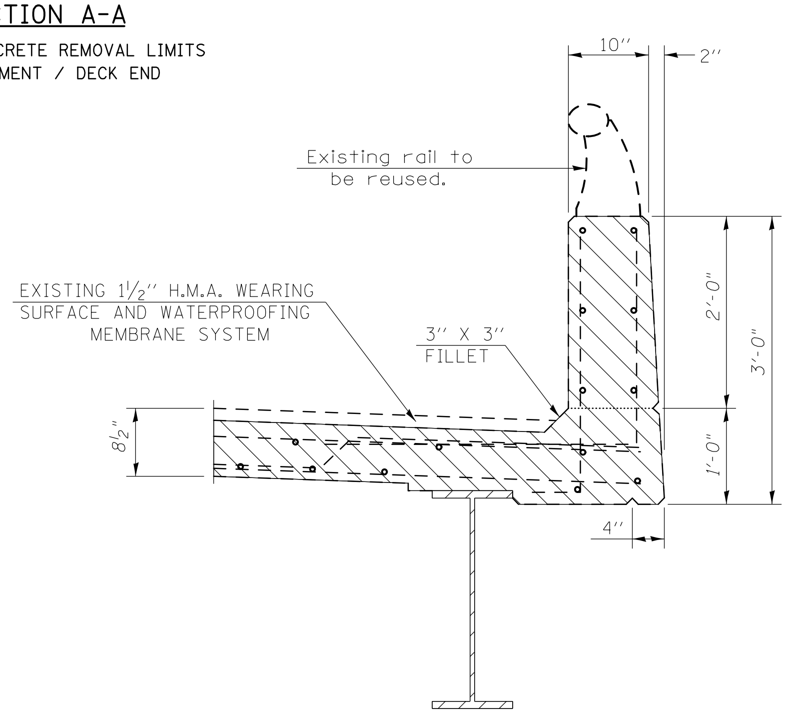
CONCRETE REMOVAL DETAILS
S.N. 010–0014 & S.N. 010–0015



* MINIMUM AT EDGE OF DECK/SLAB
(INCREASES WITH CROSS SLOPE TOWARDS ℄ BRIDGE)
** EXISTING STEEL ¾" Ø x 8" @ 1'-0" CTS. STUDS SHALL BE CUT OFF AT THE CONCRETE REMOVAL LINE.

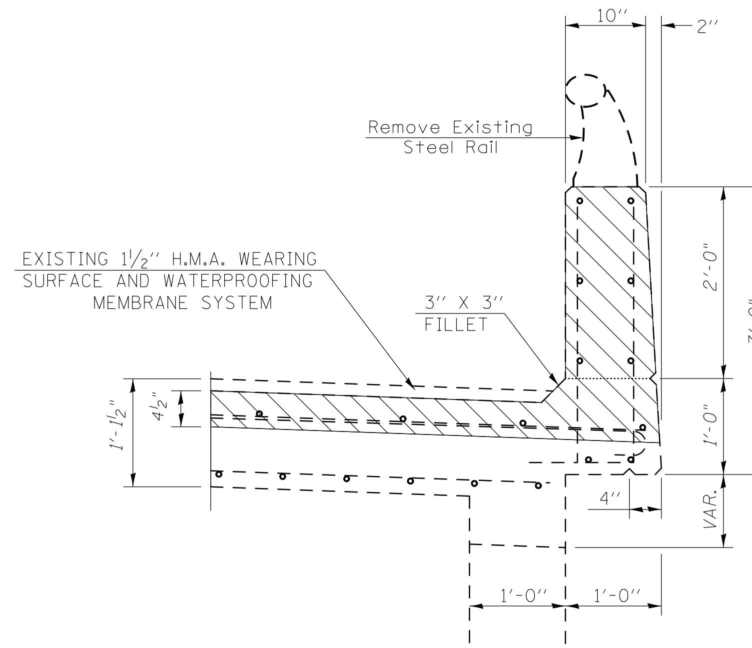
SECTION A-A

SHOWING CONCRETE REMOVAL LIMITS AT ABUTMENT / DECK END



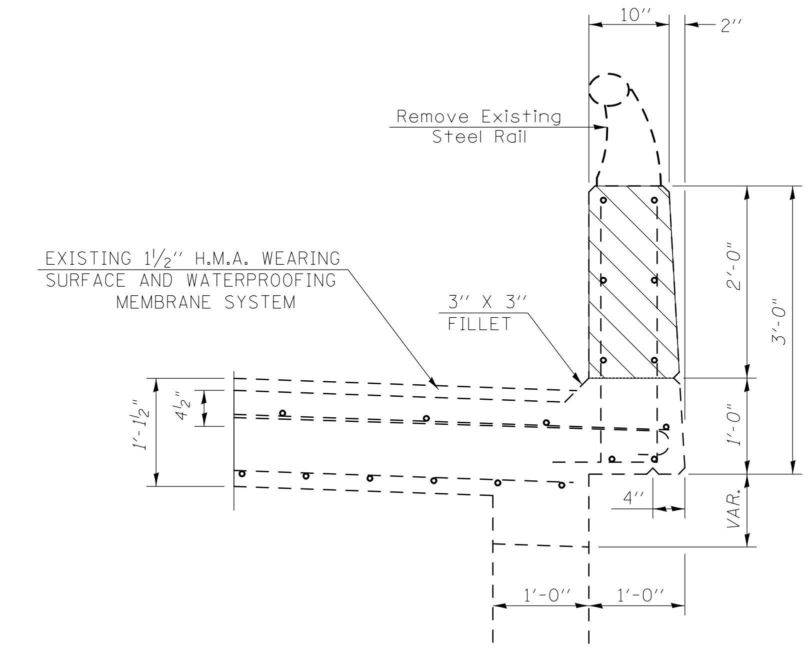
SECTION B-B

DECK CONCRETE REMOVAL LIMITS AT PARAPET



SECTION C-C

APPROACH CONCRETE REMOVAL LIMITS AT PARAPET



SECTION D-D

APPROACH CONCRETE REMOVAL LIMITS AT PARAPET

NOTES:

EXISTING REINFORCEMENT BARS EXTENDING INTO THE REMOVAL AREA SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY REINFORCEMENT BARS THAT ARE DAMAGED DURING CONCRETE REMOVAL SHALL BE REPLACED WITH AN APPROVED BAR SPLICER OR ANCHORAGE SYSTEM. COST INCLUDED WITH CONCRETE REMOVAL.

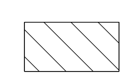
THE EXISTING EXPANSION JOINT SYSTEMS SHALL BE REMOVED COMPLETELY, AS WELL AS ANY FOREIGN MATERIAL THAT HAS ACCUMULATED OR BEEN PLACED IN THE JOINT OPENINGS. THE COST FOR THIS WORK IS INCLUDED IN CONCRETE REMOVAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE COST OF CUTTING THE EXISTING STEEL ¾" Ø x 8" STUDS AT THE CONCRETE REMOVAL LINE SHALL BE INCLUDED IN THE COST OF CONCRETE REMOVAL AND NO ADDITIONAL COMPENSTATION WILL BE ALLOWED.

THE RAIL POSTS WITHIN THE PARAPET REPAIR AND REMOVAL AND REPLACEMENT LIMITS SHALL BE REMOVED TO ALLOW FOR THE REPAIR WORK TO BE COMPLETED. FOLLOWING COMPLETION OF THE PARAPET ENDS, THE CONTRACTOR TO EITHER SAVE AND REUSE THE EXISTING CAST-IN-PLACE ANCHOR SYSTEM OR USE EPOXY-GROUTED THREADED RODS. THE COST OF THIS WORK SHALL BE INCLUDED IN CONCRETE SUPERSTRUCTURES. SEE AS-BUILT PLANS FOR ALUMINUM RAILING DETAL.

BILL OF MATERIALS

ITEM	UNIT	TOTAL
CONCRETE REMOVAL	CU YD	18.5


Concrete Removal

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570...Data\Structures\D570765-sht-Repair...	USER NAME = carrollrt	DESIGNED - ESS	REVISED -
		DRAWN - ESS	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 9/24/2015	DATE - 11/19/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CONCRETE REMOVAL DETAILS
S.N. 010–0014 (WB) & S.N. 010–0015 (EB)

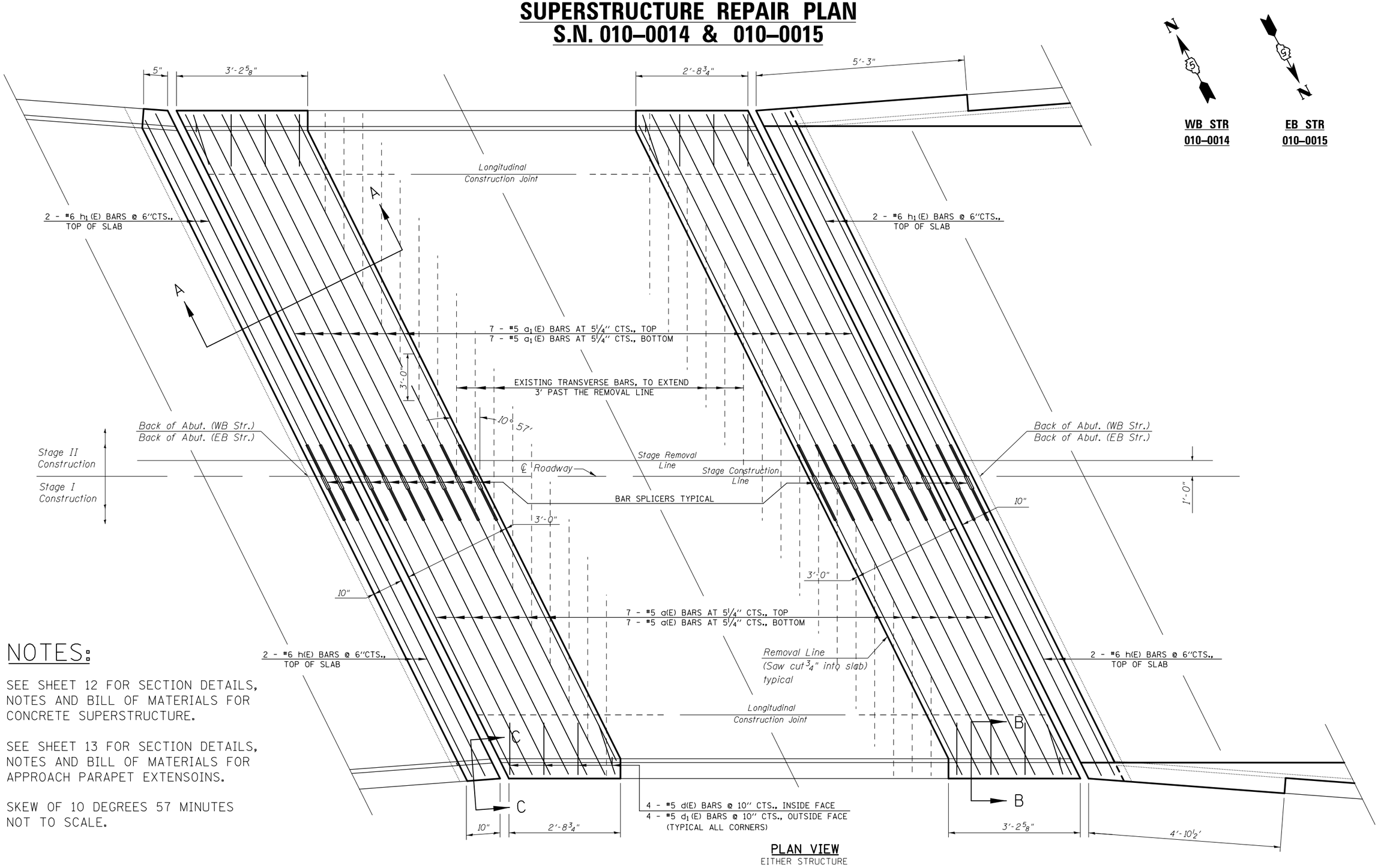
SCALE: | SHEET 10 OF 33 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	61

CONTRACT NO. 70765

ILLINOIS FED. AID PROJECT

SUPERSTRUCTURE REPAIR PLAN
S.N. 010–0014 & 010–0015



NOTES:

SEE SHEET 12 FOR SECTION DETAILS, NOTES AND BILL OF MATERIALS FOR CONCRETE SUPERSTRUCTURE.

SEE SHEET 13 FOR SECTION DETAILS, NOTES AND BILL OF MATERIALS FOR APPROACH PARAPET EXTENSOINS.

SKEW OF 10 DEGREES 57 MINUTES
NOT TO SCALE.

PLAN VIEW
EITHER STRUCTURE

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D5707[illegible]\Structure Data\Structure\D570765-sht-Repair.dgn	USER NAME = carrollrt	DESIGNED - ESS	REVISED -
		DRAWN - ESS	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE - 12/6/2013	REVISED -

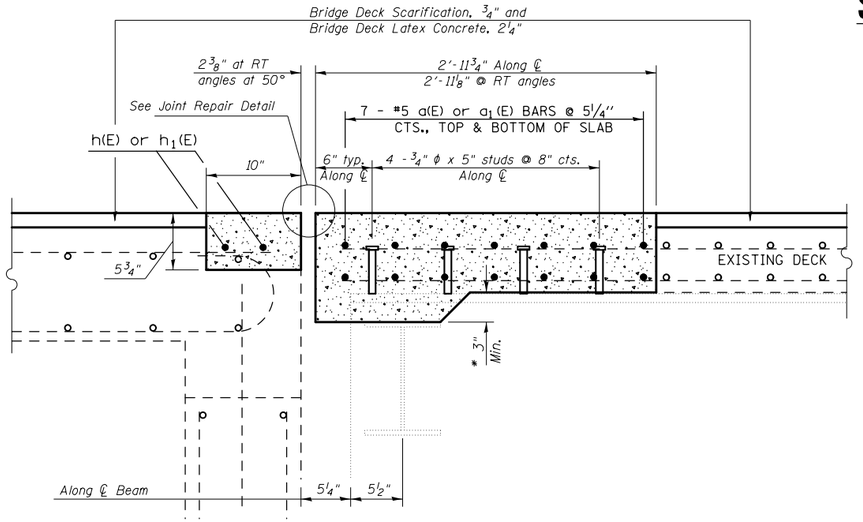
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE REPAIR PLAN
S.N. 010–0014 & S.N. 010–0015

SCALE: | SHEET 11 OF 33 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	62
		CONTRACT NO. 70765		
		ILLINOIS FED. AID PROJECT		

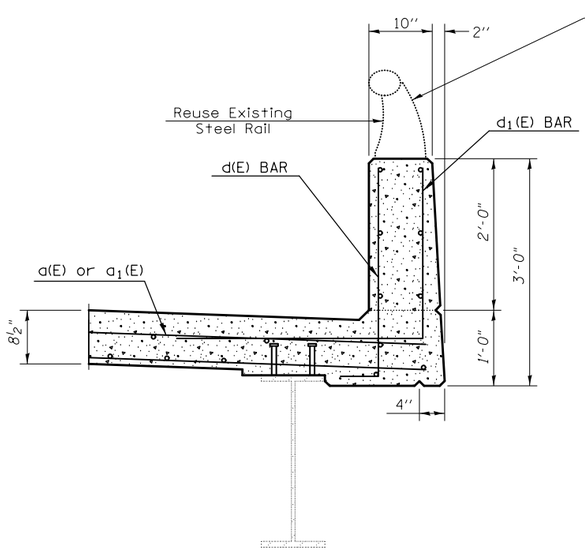
SUPERSTRUCTURE REPAIR DETAILS
S.N. 010–0014 & S.N. 010–0015



* MINIMUM AT EDGE OF DECK/SLAB
(INCREASES WITH CROSS SLOPE TOWARDS ℄ BRIDGE)

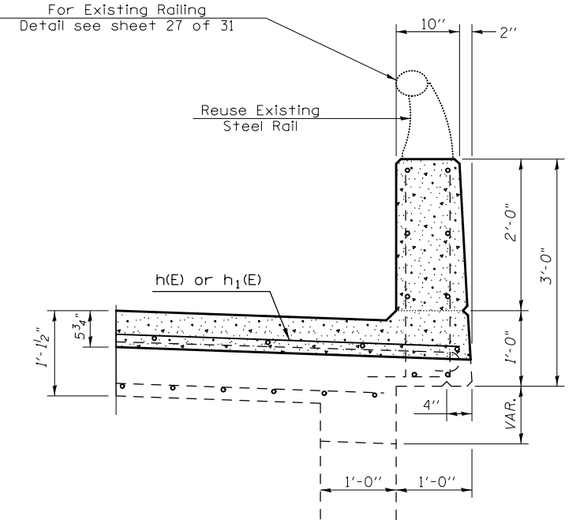
SECTION A-A

SHOWING CONCRETE REMOVAL LIMITS
AT ABUTMENT / DECK END



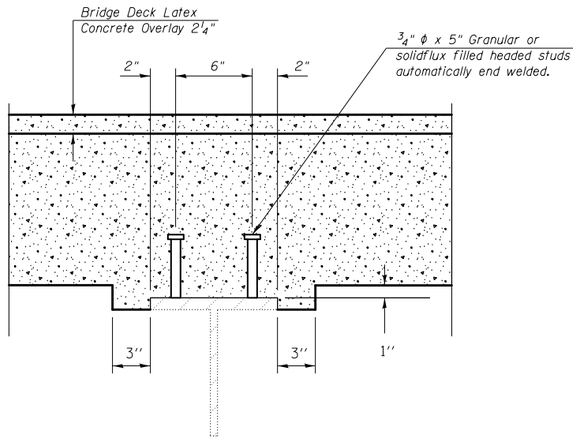
SECTION B-B

DECK CONCRETE REMOVAL
LIMITS AT PARAPET



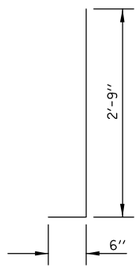
SECTION C-C

APPROACH CONCRETE REMOVAL
LIMITS AT PARAPET

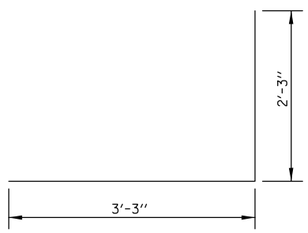


SECTION AT BEAM END

(ALL BEAMS 27WF-114)



BAR d(E)



BAR d_1(E)

NOTES

EXISTING REINFORCEMENT BARS EXTENDING INTO THE REMOVAL AREA SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY REINFORCEMENT BARS THAT ARE DAMAGED DURING CONCRETE REMOVAL SHALL BE REPLACED WITH AN APPROVED BAR SPLICER OR ANCHORAGE SYSTEM. COST INCLUDED WITH CONCRETE REMOVAL.

COST OF RE-ATTACHMENT OF EXISTING RAIL INCLUDED WITH CONCRETE SUPERSTRUCTURE.

REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
a(E)	56	#5	19'-2"	——
a_1(E)	56	#5	23'-3"	——
h(E)	8	#6	19'-2"	——
h_1(E)	8	#6	23'-3"	——
d(E)	32	#5	3'-3"	⌋
d_1(E)	32	#5	5'-6"	⌋⌊

REINFORCEMENT BARS (EPOXY COATED)	POUND	3280.0
CONCRETE SUPERSTRUCTURE	CU YD	19.7
PROTECTIVE COAT	SQ YD	76.0
BAR SPLICERS	EACH	64.0

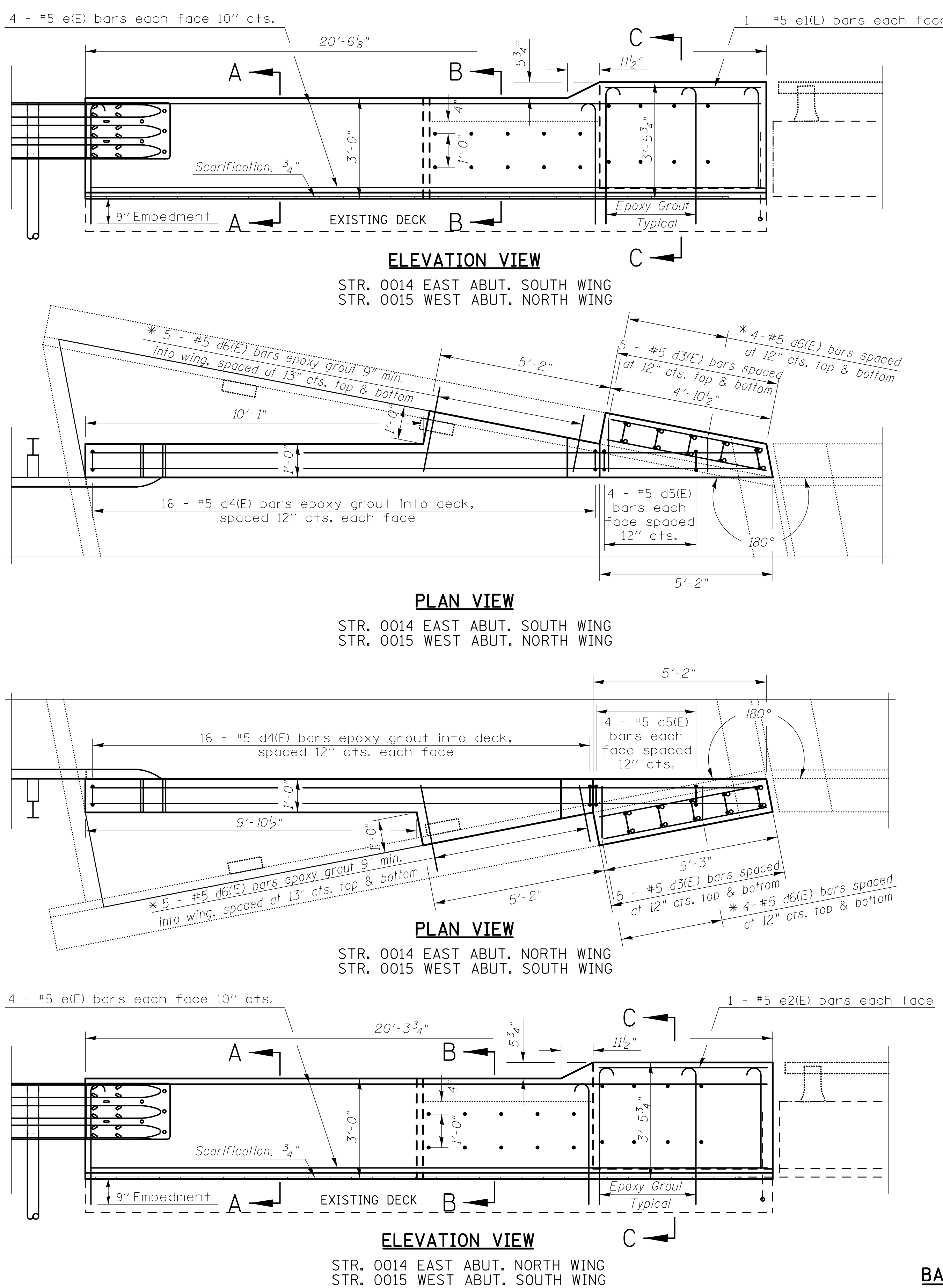
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DRAWINGData\Structure\D570765-sht-Repair.dgn	USER NAME = carrollrt	DESIGNED - ESS	REVISED -
		DRAWN - ESS	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE - 12/6/2013	REVISED -

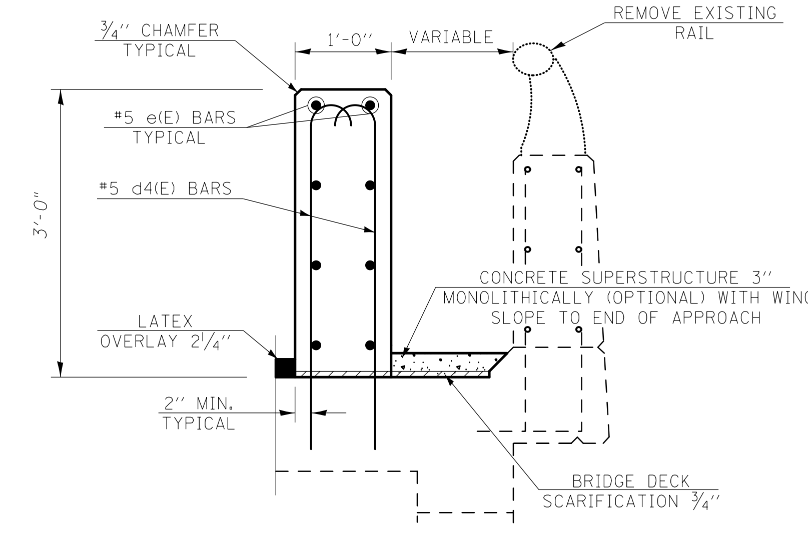
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE REPAIR DETAILS
S.N. 010–0014 & S.N. 010–0015

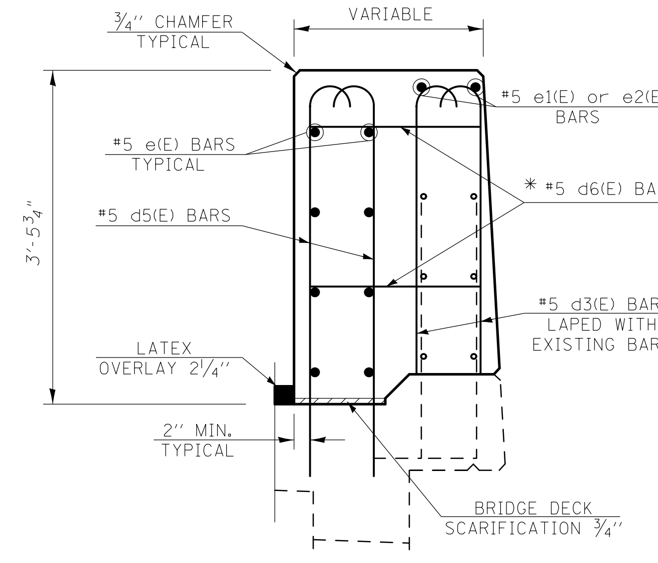
SCALE: | SHEET 12 OF 33 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	63
		CONTRACT NO. 70765		
	ILLINOIS FED. AID PROJECT			

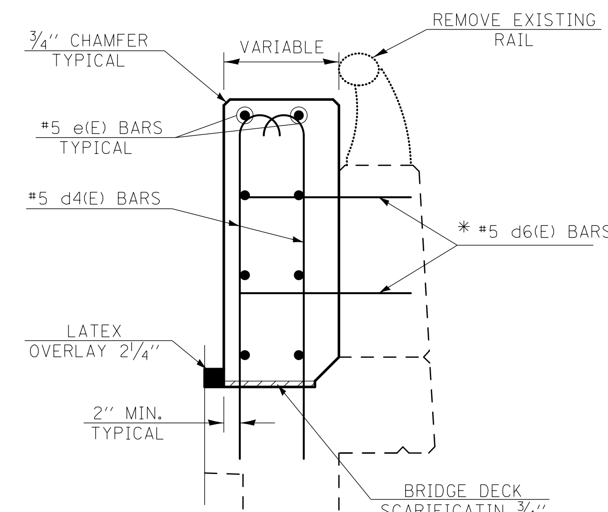




SECTION A-A



SECTION C-C



SECTION B-B

NOTES

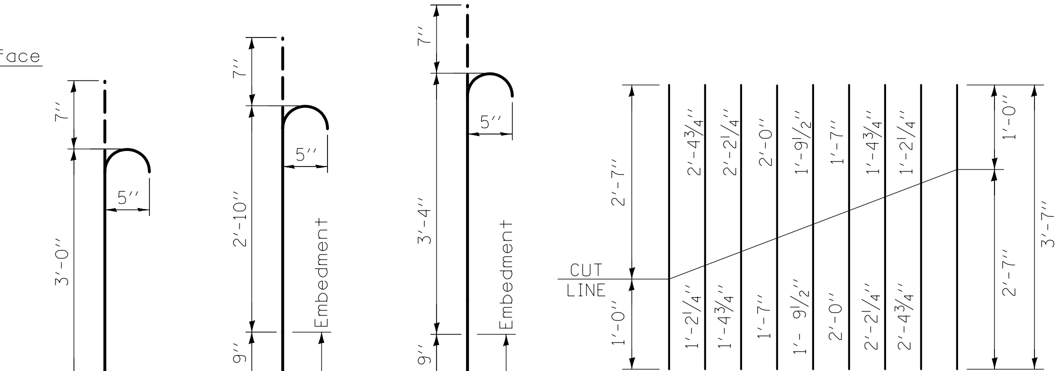
PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

EXISTING REINFORCEMENT BARS EXTENDING INTO THE REMOVAL AREA SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY REINFORCEMENT BARS THAT ARE DAMAGED DURING CONCRETE REMOVAL SHALL BE REPLACED WITH AN APPROVED BAR SPLICER OR ANCHORAGE SYSTEM. COST INCLUDED WITH CONCRETE REMOVAL.

d4(E), d5(E) and d6(E) BARS TO BE DRILLED AND EPOXY GROUTED PER ARTICLE 584 OF THE STANDARD SPECIFICATIONS IF REQUIRED. COST INCLUDED WITH REINFORCEMENT BARS, EPOXY COATED.

* *ORDER d6(E) BARS IN THIS AREA 3'-7". USE CUT DIAGRAM TO ESTABLISH BOTH ROWS OF BARS.*

REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.



BAR d3(E) **BAR d4(E)** **BAR d5(E)** *** CUT DIAGRAM BAR d6(E)**

BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
e(E)	32	#5	20'-0"	
e1(E)	4	#5	4'-6"	
e2(E)	4	#5	4'-11"	
d3(E)	40	#5	3'-7"	
d4(E)	128	#5	4'-2"	
d5(E)	16	#5	4'-8"	
d6(E)	36	#5	3'-7"	

REINFORCEMENT BARS (EPOXY COATED)	POUND	1630.0
CONCRETE SUPERSTRUCTURE	CU YD	12.1
PROTECTIVE COAT	SQ YD	48.0

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D57... Data\Structures\D570765-sht-Repair...	USER NAME = carrollrt	DESIGNED - ESS	REVISED -
		DRAWN - ESS	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE - 12/18/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROACH PARAPET EXTENSIONS
S.N. 010–0014 & S.N. 010–0015

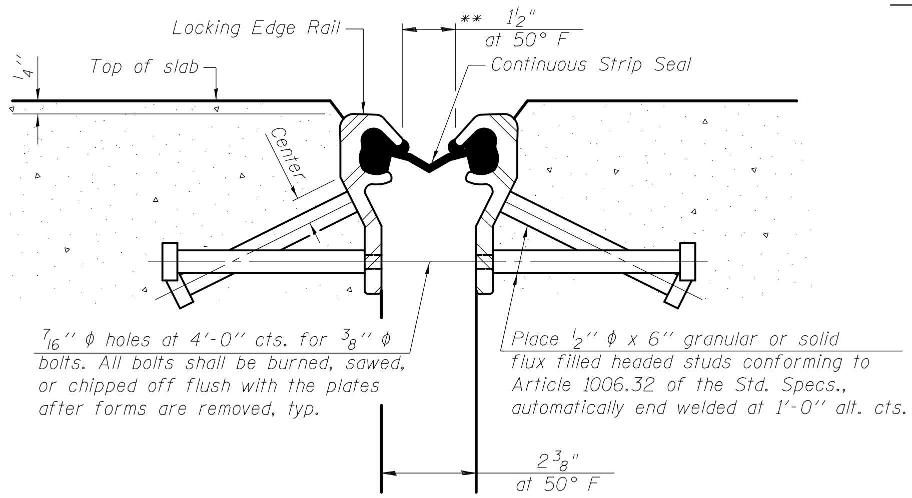
SCALE: SHEET 13 OF 31 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	64

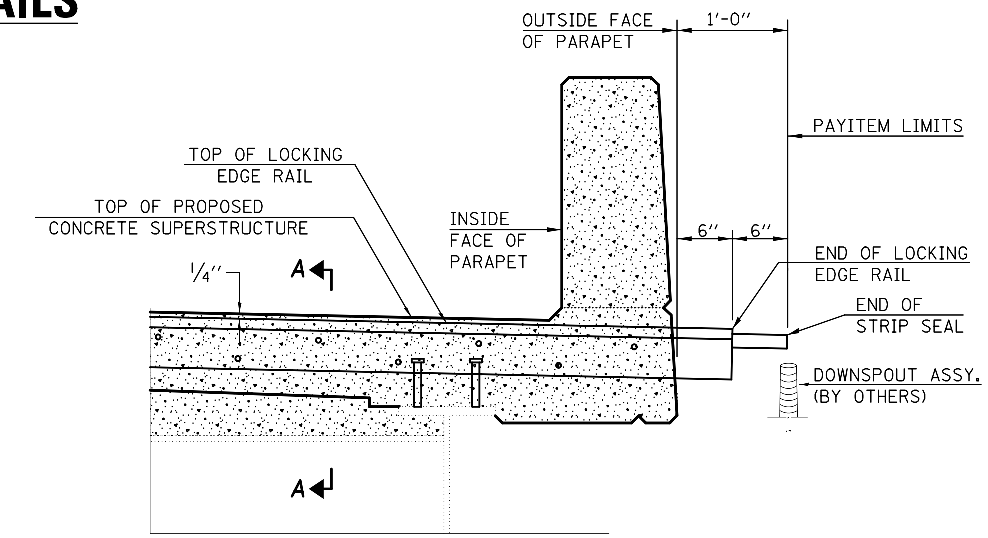
CONTRACT NO. 70765

ILLINOIS FED. AID PROJECT

PREFORMED JOINT STRIP SEAL DETAILS
S.N. 074–0071

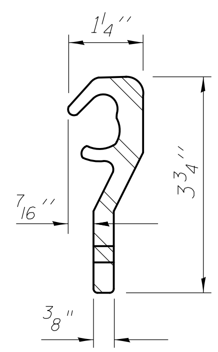


SECTION THRU EXPANSION STRIP SEAL JOINT

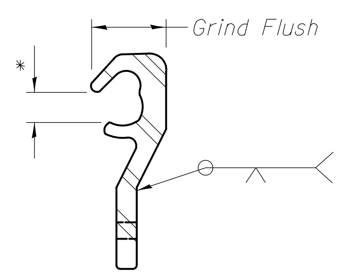


SECTION THRU PARAPET

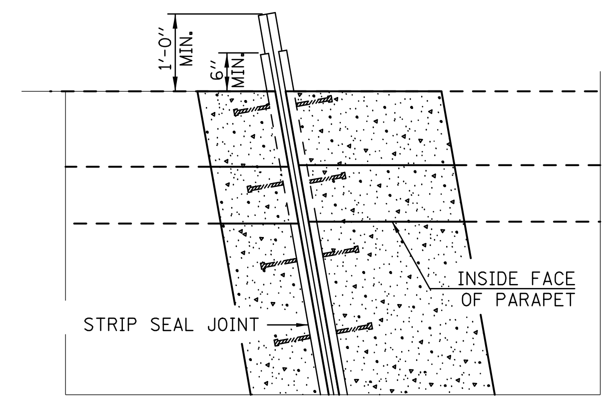
* OMIT WELD AT SEAL OPENING.
** THE MINIMUM DIMENSION SHALL BE 1½" FOR INSTALLATION PURPOSES.



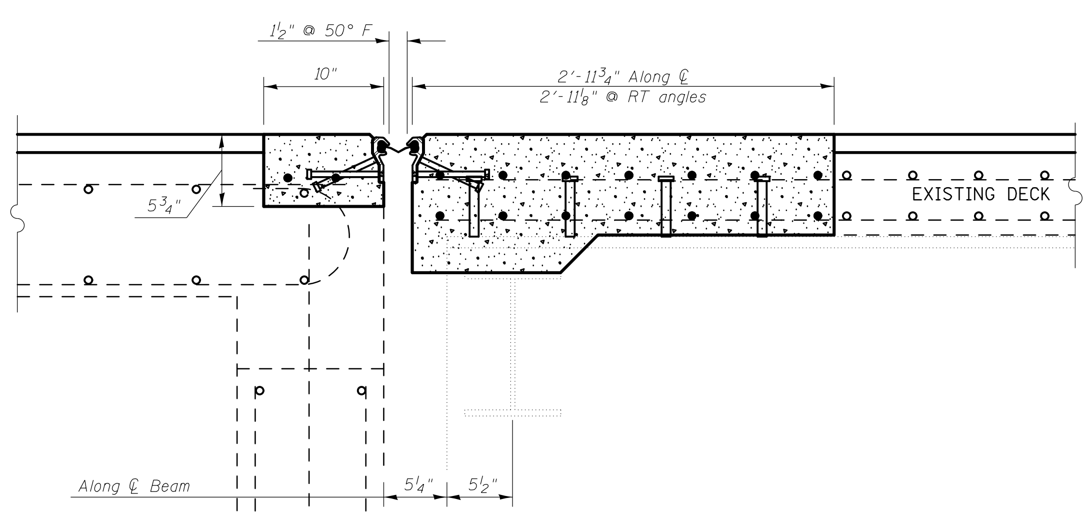
ROLLED (EXTRUDED) RAIL



LOCKING EDGE RAIL SPLICE



PLAN VIEW AT PARAPET



SECTION A-A

NOTES:

THE STRIP SEAL SHALL BE MADE CONTINUOUS AND SHALL HAVE A MINIMUM THICKNESS OF ¼". THE CONFIGURATION OF THE STRIP SEAL SHALL MATCH THE CONFIGURATION OF THE LOCKING EDGE RAILS.

THE LOCKING EDGE RAILS DEPICTED ARE CONCEPTUAL ONLY, EXCEPT FOR THE MINIMUM DIMENSIONS SHOWN. THE ACTUAL CONFIGURATION OF THE LOCKING EDGE RAILS AND MATCHING STRIP SEAL MAY VARY FROM MANUFACTURER TO MANUFACTURER. FLANGED EDGE RAILS WILL NOT BE ALLOWED. LOCKING EDGE RAILS MAY BE SPLICED AT SLOPE DISCONTINUITIES AND STAGE CONSTRUCTION JOINTS. THE INSIDE OF THE LOCKING EDGE RAIL GROVE SHALL BE FREE OF WELD RESIDUE.

THE MANUFACTURER'S RECOMMENDED INSTALLATION METHODS SHALL BE FOLLOWED.

ALL STEEL COMPONENTS SHALL BE GALVANIZED AFTER FABRICATION ACCORDING TO ARTICLE 520.03 OF THE STANDARD SPECIFICATIONS.

MAXIMUM SPACE BETWEEN RAIL SEGMENTS AT STAGE LINES SHALL BE 3/16", SEALED WITH A SUITABLE SEALANT. JOINTS IN RAILS WITHIN 10 FT. OF CURBS SHALL BE WELDED.

LOCKING EDGE RAILS ARE TO BE PLACED ¼" BELOW THE DECK ELEVATION THROUGH THE MEDIAN. STOP RAISED MEDIAN 3" SHORT OF DECK ENDS AND 3" SHORT OF FACE OF ABUTMENTS.

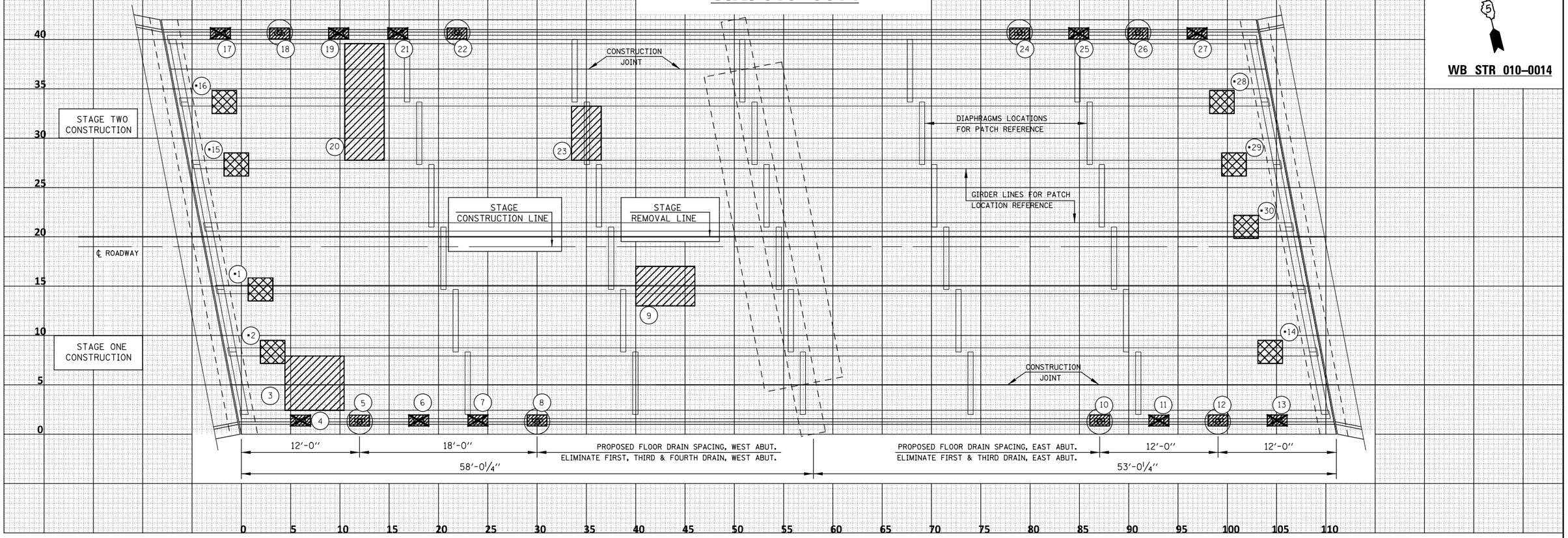
SEE SUPERSTRUCTURE REPAIR DETAILS FOR REINFORCEMENT REQUIRED.

BILL OF MATERIALS

ITEM	UNIT	TOTAL
PREFORMED JOINT STRIP SEAL	FOOT	180.0

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D57... Data\Struc...\D570765-sht-Repa...	USER NAME = carrollrt	DESIGNED - ESS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PREFORMED JOINT STRIP SEAL DETAILS S.N. 010–0014 & S.N. 010–0015	F.A.I. RTE. 74; SECTION (74,10-4-1,10-4,10-5)RS; COUNTY CHAMPAIGN; TOTAL SHEETS 202; SHEET NO. 65
$MODELNAME$	PLOT SCALE = 40.0000 ' / in.	DRAWN - ESS	REVISED -		SCALE: SHEET 14 OF 33 SHEETS STA. TO STA.	CONTRACT NO. 70765
	PLOT DATE = 8/13/2015	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT
		DATE - 12/26/2013	REVISED -			

BRIDGE DECK PATCHING
S.N. 010–0014



PATCH NO.	SIZE		DECK SLAB REPAIR (PARTIAL DEPTH)	DECK SLAB REPAIR (FULL DEPTH T1)	DECK SLAB REPAIR (FULL DEPTH T2)
	LENGTH (FT)	WIDTH (FT)	SQ YD	SQ YD	SQ YD
•1	2.50	2.33			0.6
•2	2.50	2.33			0.6
3	6.00	5.50			3.7
4	2.00	1.20		0.3	
5	2.00	1.20		0.3	
6	2.00	1.20		0.3	
7	2.00	1.20		0.3	
8	2.00	1.20		0.3	
9	6.00	6.00			4.0
10	2.00	1.20		0.3	
11	2.00	1.20		0.3	
12	2.00	1.20		0.3	
13	2.00	1.20		0.3	
•14	2.50	2.33			0.6

PATCH NO.	SIZE		DECK SLAB REPAIR (PARTIAL DEPTH)	DECK SLAB REPAIR (FULL DEPTH T1)	DECK SLAB REPAIR (FULL DEPTH T2)
	LENGTH (FT)	WIDTH (FT)	SQ YD	SQ YD	SQ YD
•15	2.50	2.33			0.6
•16	2.50	2.33			0.6
17	2.00	1.20		0.3	
18	2.00	1.20		0.3	
19	2.00	1.20		0.3	
20	4.00	11.80			5.2
21	2.00	1.20		0.3	
22	2.00	1.20		0.3	
23	3.00	5.50			1.8
24	2.00	1.20		0.3	
25	2.00	1.20		0.3	
26	2.00	1.20		0.3	
27	2.00	1.20		0.3	
•28	2.50	2.33			0.6
•29	2.50	2.33			0.6
•30	2.50	2.33			0.6

NOTES:

- PATCH SIZE TO REMOVE TIE DOWNS TO BE DETERMINED BY FIELD CONDITIONS.

BILL OF MATERIALS

ITEM	UNIT	TOTAL
DECK SLAB REPAIR (FULL DEPTH, TY I)	SQ YD	5.4
DECK SLAB REPAIR (FULL DEPTH, TY II)	SQ YD	19.5

LEGEND

- DECK SLAB REPAIR (FULL-DEPTH)
- REMOVE DECK TIE DOWNS; DECK SLAB REPAIR (FULL-DEPTH)
- EXISTING DECK DRAINS (TO BE ELIMINATED)
- EXISTING DECK DRAINS (TO BE REPLACED WITH FLOOR DRAINS)

DECK SURVEY PERFORMED ON NOVEMBER 21, 2013. IF MORE THAN ONE WINTER FREEZE-THAW CYCLE OCCURS BETWEEN THE INITIAL INSPECTION AND THE COMMENCEMENT OF WORK, THE FINAL PLAN QUANTITIES FOR DECK REPAIRS MUST BE BASED ON A NEW INSPECTION OF THE DECK.

THE LOCATIONS AND SIZES SHOWN GRAPHICALLY ABOVE ARE APPROXIMATE. SEE THIS TABLE FOR ACTUAL SIZES.

METHOD OF SURVEY: VISUAL

BRIDGE DECK PATCHING
CHAMPAIGN COUNTY
FAI 74
OVER IL 47
WESTBOUND LANE

S.N. 010-0014

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D5707651 Data\Structure\D570765-sht-RepairPlan.dgn	USER NAME = carrollrt	DESIGNED - ESS	REVISED -
		DRAWN - ESS	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/13/2015	DATE - 12/5/2013	REVISED -

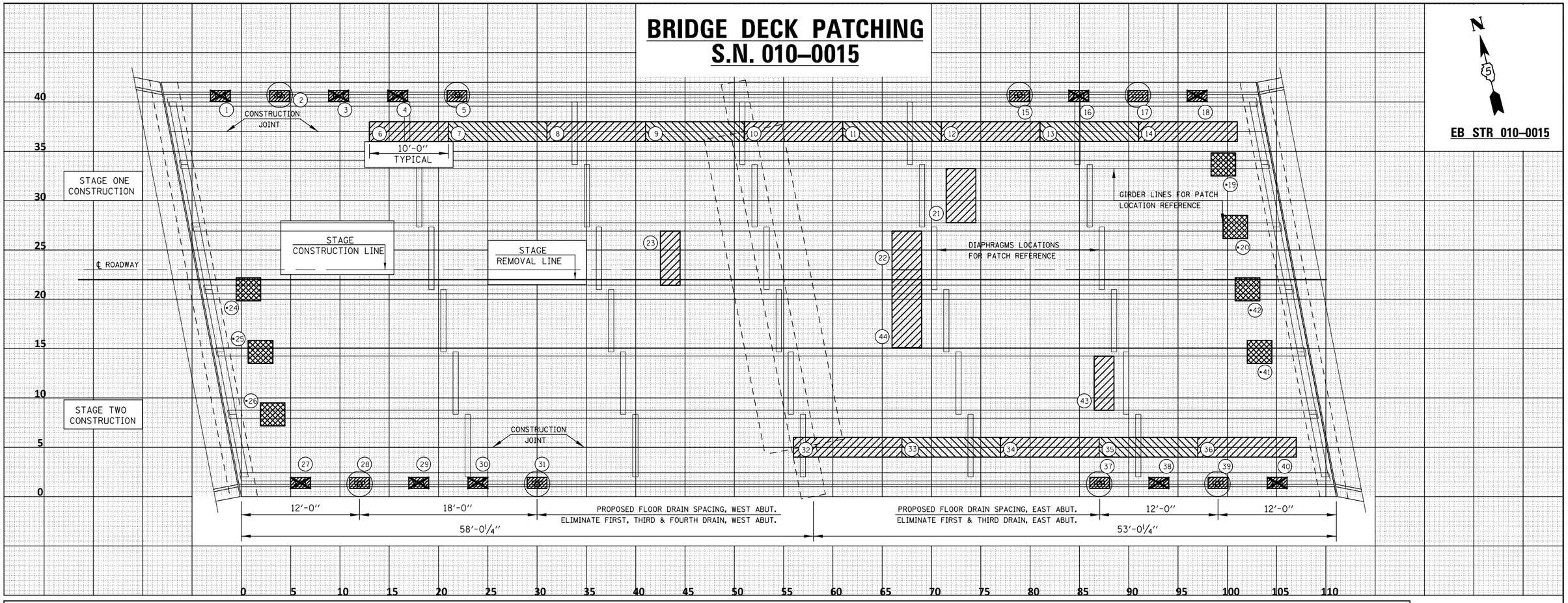
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE DECK PATCHING
S.N. 010–0014

SCALE: | SHEET NO. 15 OF 33 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	66
		CONTRACT NO. 70765		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

BRIDGE DECK PATCHING
S.N. 010–0015



PATCH NO.	SIZE		DECK SLAB REPAIR (PARTIAL DEPTH)	DECK SLAB REPAIR (FULL DEPTH T1)	DECK SLAB REPAIR (FULL DEPTH T2)
	LENGTH (FT)	WIDTH (FT)	SQ YD	SQ YD	SQ YD
1	2.00	1.20		0.3	
2	2.00	1.20		0.3	
3	2.00	1.20		0.3	
4	2.00	1.20		0.3	
5	2.00	1.20		0.3	
6	10.00	2.00			2.2
7	10.00	2.00			2.2
8	10.00	2.00			2.2
9	10.00	2.00			2.2
10	10.00	2.00			2.2
11	10.00	2.00			2.2
12	10.00	2.00			2.2
13	10.00	2.00			2.2
14	10.00	2.00			2.2
15	2.00	1.20		0.3	
16	2.00	1.20		0.3	
17	2.00	1.20		0.3	

PATCH NO.	SIZE		DECK SLAB REPAIR (PARTIAL DEPTH)	DECK SLAB REPAIR (FULL DEPTH T1)	DECK SLAB REPAIR (FULL DEPTH T2)
	LENGTH (FT)	WIDTH (FT)	SQ YD	SQ YD	SQ YD
18	2.00	1.20		0.3	
•19	2.50	2.33			0.6
•20	2.50	2.33			0.6
21	3.00	5.50			1.8
22	3.00	4.00			1.3
23	2.00	5.50			1.2

PATCH NO.	SIZE		DECK SLAB REPAIR (PARTIAL DEPTH)	DECK SLAB REPAIR (FULL DEPTH T1)	DECK SLAB REPAIR (FULL DEPTH T2)
	LENGTH (FT)	WIDTH (FT)	SQ YD	SQ YD	SQ YD
•24	2.50	2.33			0.6
•25	2.50	2.33			0.6
•26	2.50	2.33			0.6
27	2.00	1.20		0.3	
28	2.00	1.20		0.3	
29	2.00	1.20		0.3	
30	2.00	1.20		0.3	
31	2.00	1.20		0.3	
32	10.00	2.00			2.2
33	10.00	2.00			2.2
34	10.00	2.00			2.2
35	10.00	2.00			2.2
36	10.00	2.00			2.2
37	2.00	1.20		0.3	
38	2.00	1.20		0.3	
39	2.00	1.20		0.3	
40	2.00	1.20		0.3	

PATCH NO.	SIZE		DECK SLAB REPAIR (PARTIAL DEPTH)	DECK SLAB REPAIR (FULL DEPTH T1)	DECK SLAB REPAIR (FULL DEPTH T2)
	LENGTH (FT)	WIDTH (FT)	SQ YD	SQ YD	SQ YD
•41	2.50	2.33			0.6
•42	2.50	2.33			0.6
43	2.00	5.50			1.2
44	3.00	7.00			2.3

NOTES:

* PATCH SIZE TO REMOVE TIE DOWNS TO BE DETERMINED BY FIELD CONDITIONS.

LONGITUDINAL REMOVAL FOR DECK SLAB REPAIR ALONG THE CONSTRUCTION JOINT MUST BE DONE IN ALTERNATING SECTIONS OF NO MORE THAN 10 FEET. ADJACENT SECTIONS MUST NOT BE REMOVED UNTIL BOTH OF THE FOLLOWING REQUIREMENTS ARE MET:

1. AT LEAST 72 HOURS SHALL HAVE ELAPSED FROM THE END OF THE PREVIOUS POUR, AND
2. THE CONCRETE SHALL HAVE ATTAINED A MINIMUM MODULUS OF RUPTURE OF 650 PSI OR A MINIMUM COMPRESSIVE STRENGTH OF 3500 PSI.

LEGEND

- DECK SLAB REPAIR (FULL-DEPTH) PHASE I
- DECK SLAB REPAIR (FULL-DEPTH) PHASE II
- REMOVE DECK TIE DOWNS; DECK SLAB REPAIR (FULL-DEPTH)
- EXISTING DECK DRAINS (TO BE ELIMINATED)
- EXISTING DECK DRAINS (TO BE REPLACED WITH FLOOR DRAINS)

DECK SURVEY PERFORMED ON NOVEMBER 21, 2013. IF MORE THAN ONE WINTER FREEZE-THAW CYCLE OCCURS BETWEEN THE INITIAL INSPECTION AND THE COMMENCEMENT OF WORK, THE FINAL PLAN QUANTITIES FOR DECK REPAIRS MUST BE BASED ON A NEW INSPECTION OF THE DECK.

BILL OF MATERIALS

ITEM	UNIT	TOTAL
DECK SLAB REPAIR (FULL DEPTH, TY I)	SQ YD	5.4
DECK SLAB REPAIR (FULL DEPTH, TY II)	SQ YD	42.8

THE LOCATIONS AND SIZES SHOWN GRAPHICALLY ABOVE ARE APPROXIMATE. SEE THIS TABLE FOR ACTUAL SIZES.

METHOD OF SURVEY: VISUAL

BRIDGE DECK PATCHING
CHAMPAIGN COUNTY
FAI 74
OVER IL 47
EASTBOUND LANE

S.N. 010-0015

15

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D5707651\Data\Structures\D570765-sht-RepairPlan.dgn	USER NAME = carrollrt	DESIGNED - ESS	REVISED -
		DRAWN - ESS	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/13/2015	DATE - 12/10/2013	REVISED -

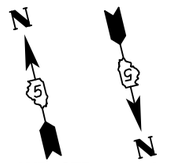
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE DECK PATCHING
S.N. 010–0015

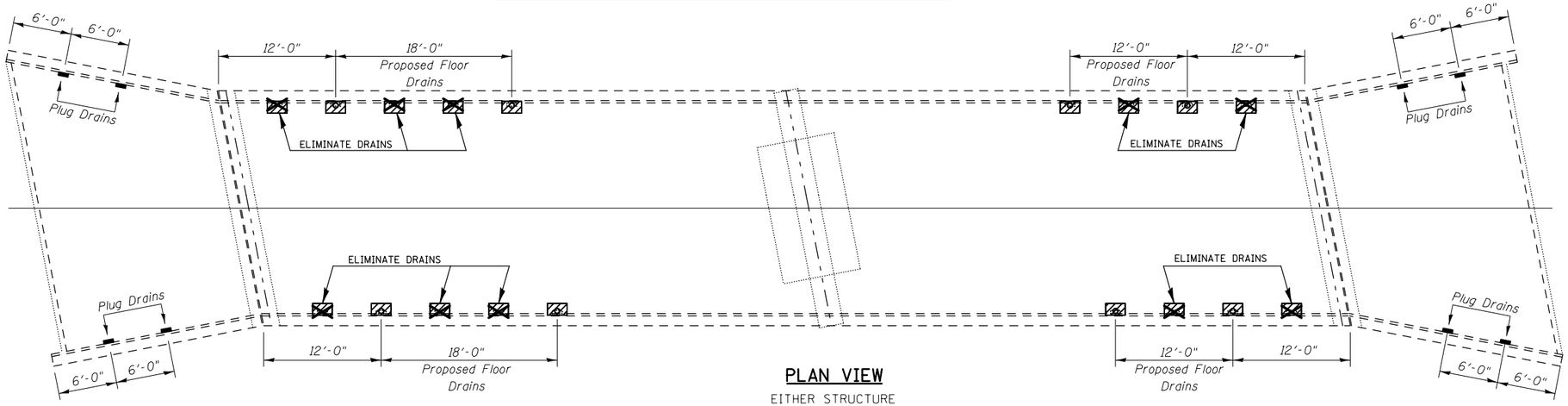
SCALE: | SHEET NO. 16 OF 33 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	67
		CONTRACT NO. 70765		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

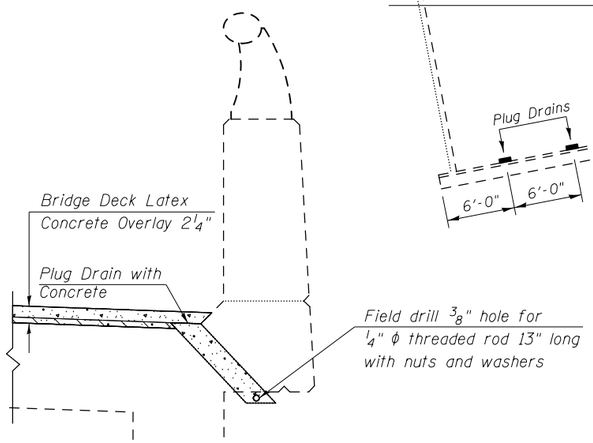
SUPERSTRUCTURE PLAN – DRAIN DETAIL
S.N. 010–0014 & S.N. 010–0015



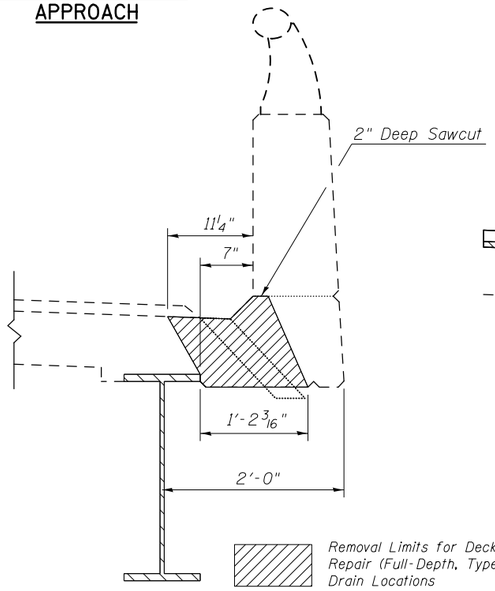
WB STR 010–0014 **EB STR 010–0015**



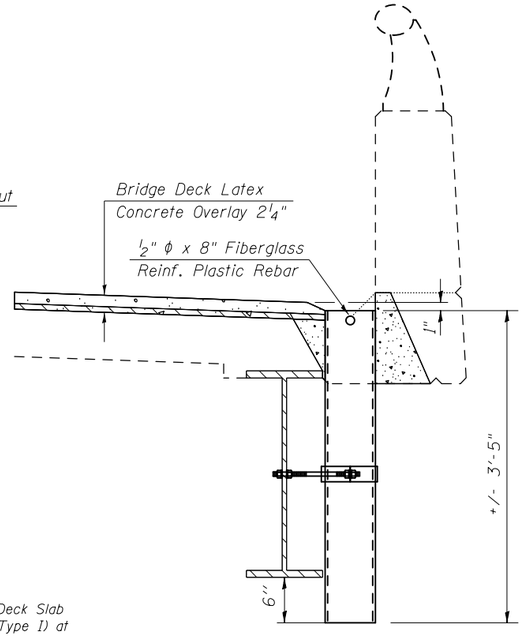
PLAN VIEW
EITHER STRUCTURE



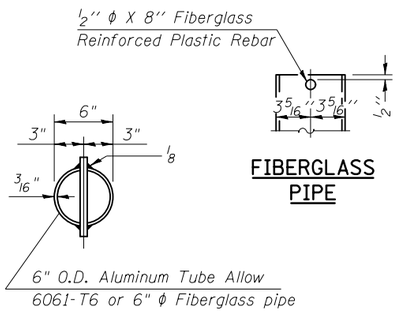
PROPOSED SECTION
APPROACH



EXISTING SECTION
DECK

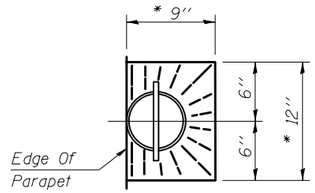


PROPOSED SECTION
DECK

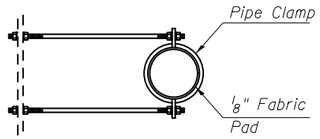


FIBERGLASS
PIPE

TOP PLAN
(Aluminum Tube Shown)



TOP PLAN
* SLOPE TO DRAIN



TOP PLAN
Drain Clamp

LEGEND

- Plug drain with concrete
- Eliminate floor drain
- Proposed floor drain location

NOTES:

Patch sizes shown represent conditions at the time the plans were completed. The actual sizes and locations of patching shall be determined by the engineer. The Engineer shall show the actual locations of the deck repairs on this sheet.

The existing drains shall be removed. Cost included with "Deck Slab Repair (Full Depth, Type I)".

Extreme care must be used when removing concrete near the top flange of the beams. The contractor is responsible for any damage to the beams.

The exterior surfaces of the floor drains shall be painted with the finish coat as specified in the special provisions for Cleaning and Painting New Metal Structures. The exterior surfaces of the drains shall be cleaned according to Society of Protective Coating's Spec. SSPC-SP1 prior to painting.

Fiberglass Pipe Shall Conform to ASTM D 2996, with Short-Time Rupture Strength Hoop Tensile Stress of 30,000 P.S.I. Minimum.

Galvanized Clamping Device and All Stud Bolts, Washers and Nuts According to AASHTO M232. Cost of clamping device and galvanizing included with floor drain.

All Dimensions Shall be Field Verified by the Contractor Prior to Ordering of Materials.

BILL OF MATERIAL

ITEM	UNIT	TOTAL
FLOOR DRAINS	EACH	16.0
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	10.8
PLUG EXISTING DECK DRAINS	EACH	16.0

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DRAWING\Data\Structures\D570765-sht-Repair-Detail.dgn	USER NAME = carrollrt	DESIGNED - ESS	REVISED - ESS
		DRAWN - ESS	REVISED - ESS
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE - 12/9/2013	REVISED - 3/06/2014

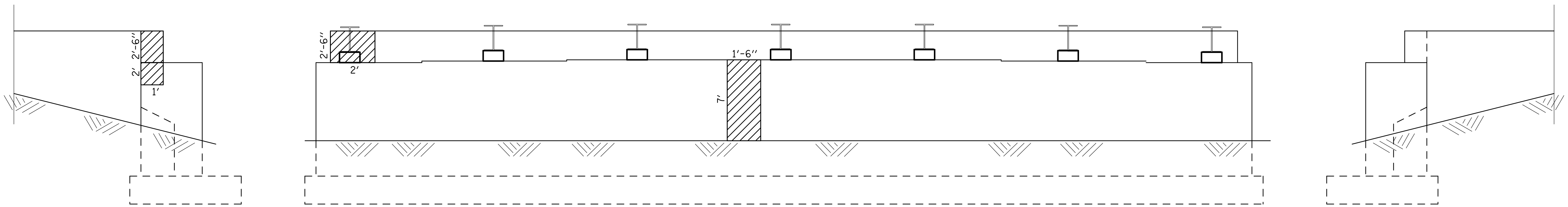
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE PLAN – DRAIN DETAIL
S.N. 010–0014 & S.N. 010–0015

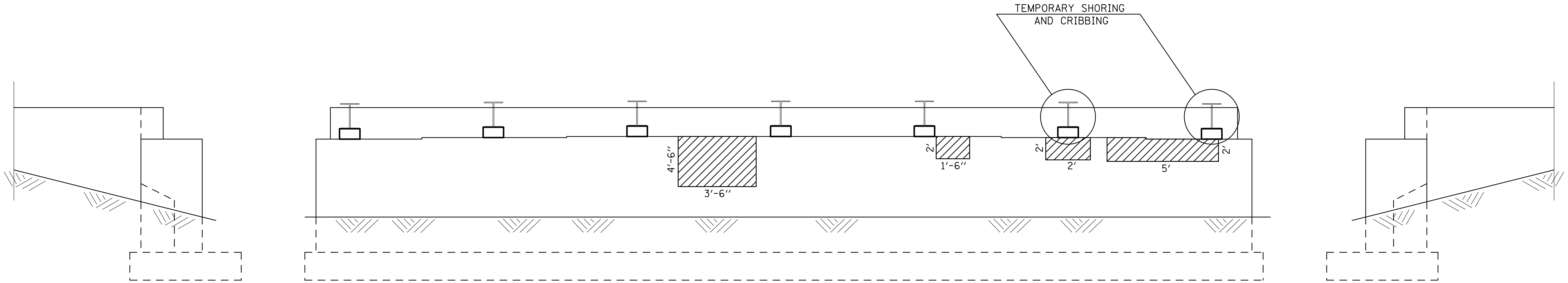
SCALE: | SHEET 17 OF 33 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	68
		CONTRACT NO. 70765		
	ILLINOIS FED. AID PROJECT			

PLAN FOR STRUCTURAL REPAIR OF CONCRETE ON ABUTMENTS
S.N. 010–0014 (WB)



ELEVATION – WEST ABUTMENT



ELEVATION – EAST ABUTMENT

NOTE:

SEE SPECIAL PROVISION FOR STRUCTURAL REPAIR OF CONCRETE.

SEE SPECIAL PROVISION FOR TEMPORARY SHORING AND CRIBBING.

STRUCTURE REPAIR OF CONCRETE TO BE COMPLETED WITH JACK AND REMOVE EXISTING BEARINGS. TEMPORARY SHORING AND CRIBBING IF NECESSARY TO BE DETERMINED BY THE ENGINEER.

LEGEND

STRUCTURAL REPAIR OF CONCRETE, DEPTH EQUAL TO OR LESS THAN 5"

STRESS TABLE

INTERIOR BEAMS		
REACTIONS = KIPS		
	ABUTMENT	PIER
R_{DL} (K)	19.76	61.09
R_{LL} (K)	42.69	51.33
R_{TOTAL} (K)	62.45	112.42

BILL OF MATERIALS

ITEM	UNIT	TOTAL
STRUCTURAL REPAIR OF CONCRETE (DEPTH LESS THAN OR EQUAL TO 5")	SQ FT	52.8
PROTECTIVE COAT	SQ YD	6.0
TEMPORARY SHORING AND CRIBBING	EACH	2.0

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\Data\Structures\D570765-sht-Repair.dgn	USER NAME = carrollrt	DESIGNED - ESS	REVISED -
		DRAWN - ESS	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE - 11-22-2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN FOR STRUCTURAL REPAIR OF CONCRETE ON ABUTMENTS
S.N. 010–0014

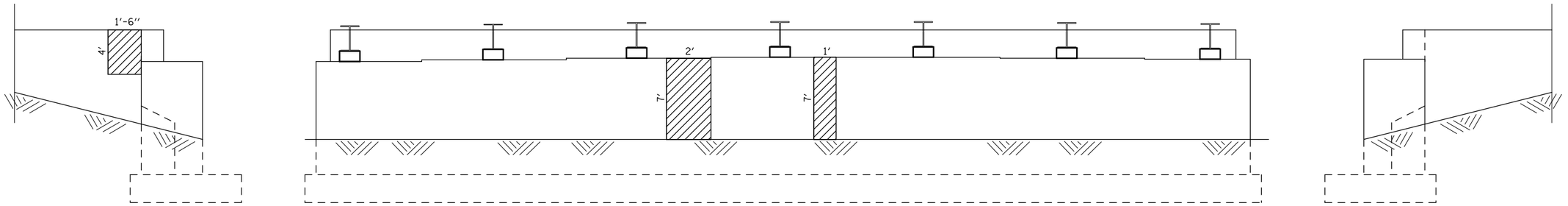
SCALE: SHEET 18 OF 33 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	69

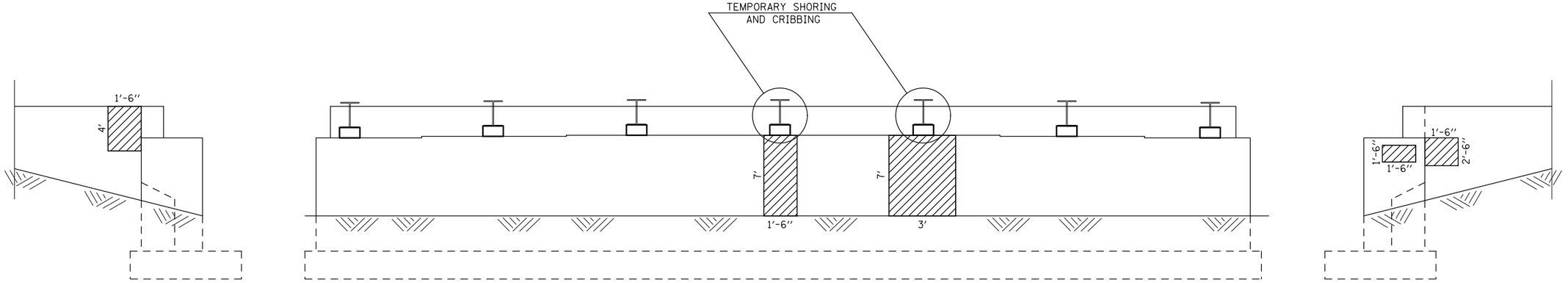
CONTRACT NO. 70765

ILLINOIS FED. AID PROJECT

PLAN FOR STRUCTURAL REPAIR OF CONCRETE ON ABUTMENTS
S.N. 010–0015 (EB)



ELEVATION - WEST ABUTMENT



ELEVATION - EAST ABUTMENT

STRESS TABLE

INTERIOR BEAMS		
REACTIONS = KIPS		
	ABUTMENT	PIER
R_{DL} (K)	19.76	61.09
R_{LL} (K)	42.69	51.33
R_{TOTAL} (K)	62.45	112.42

NOTE:

SEE SPECIAL PROVISION FOR STRUCTURAL REPAIR OF CONCRETE.

SEE SPECIAL PROVISION FOR TEMPORARY SHORING AND CRIBBING.

STRUCTURE REPAIR OF CONCRETE TO BE COMPLETED WITH JACK AND REMOVE EXISTING BEARINGS. TEMPORARY SHORING AND CRIBBING IF NECESSARY TO BE DETERMINED BY THE ENGINEER.

LEGEND

STRUCTURAL REPAIR OF CONCRETE, DEPTH EQUAL TO OR LESS THAN 5″

BILL OF MATERIALS

ITEM	UNIT	TOTAL
STRUCTURAL REPAIR OF CONCRETE (DEPTH LESS THAN OR EQUAL TO 5″)	SQ FT	70.5
PROTECTIVE COAT	SQ YD	8.0
TEMPORARY SHORING AND CRIBBING	EACH	2.0

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DRAWINGData\Structure\D570765-sht-Repair.dgn	USER NAME = carrollrt	DESIGNED - ESS	REVISED -
		DRAWN - ESS	REVISED -
$MODELNAME$	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/13/2015	DATE - 11-22-2013	REVISED -

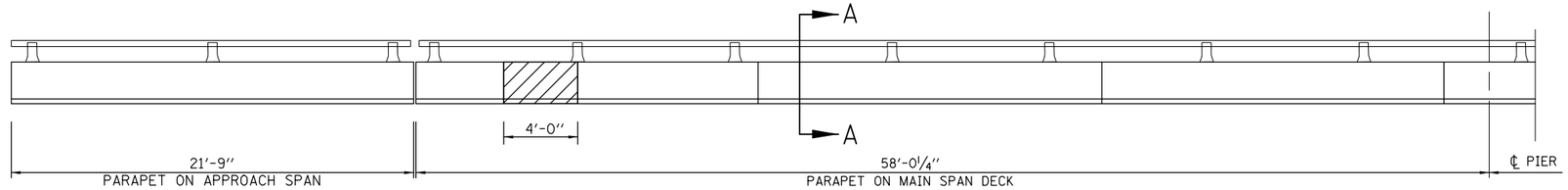
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN FOR STRUCTURAL REPAIR OF CONCRETE ON ABUTMENTS
S.N. 010–0015

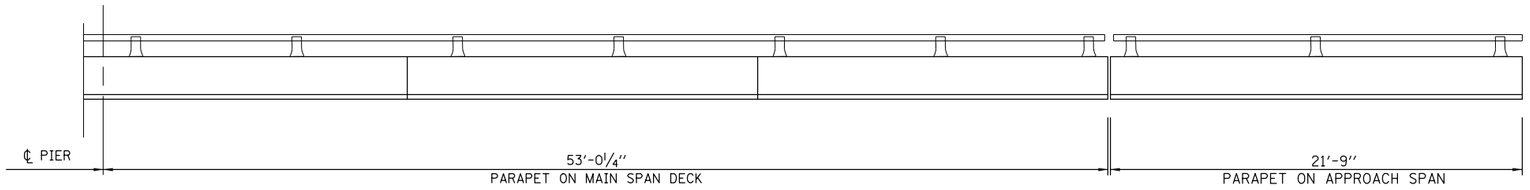
SCALE: | SHEET 19 OF 33 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	70
		CONTRACT NO. 70765		
	ILLINOIS FED. AID PROJECT			

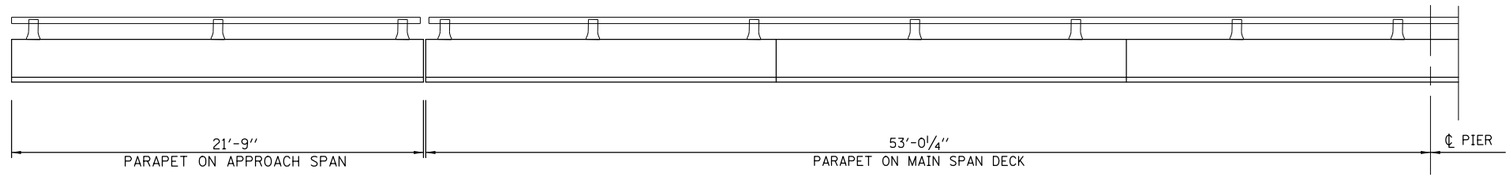
PLAN FOR STRUCTURAL REPAIR OF CONCRETE ON PARAPETS
S.N. 010–0014 (WB)



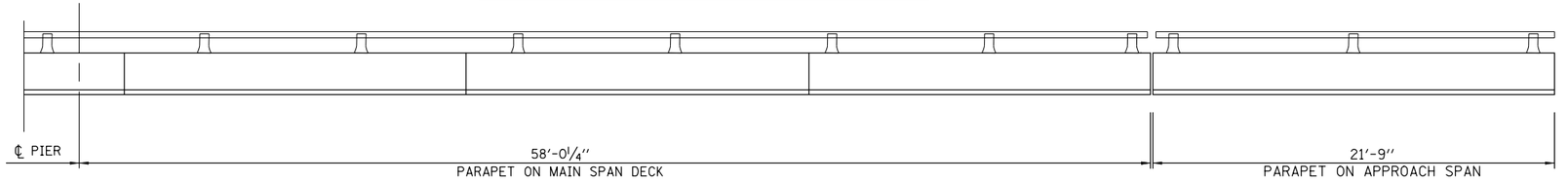
ELEVATION: WEST HALF OF NORTH PARAPET



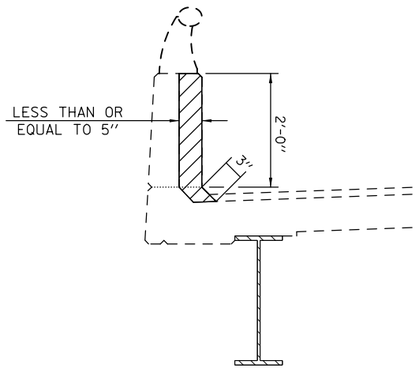
ELEVATION: EAST HALF OF NORTH PARAPET



ELEVATION: EAST HALF OF SOUTH PARAPET



ELEVATION: WEST HALF OF SOUTH PARAPET



SECTION A-A

SHOWING TYPICAL REMOVAL LIMITS FOR
STRUCTURAL REPAIR OF CONCRETE ON PARAPETS

NOTE:

SEE SPECIAL PROVISION FOR STRUCTURAL REPAIR OF CONCRETE.

LEGEND

STRUCTURAL REPAIR OF CONCRETE,
DEPTH EQUAL TO OR LESS THAN 5″

BILL OF MATERIALS

ITEM	UNIT	TOTAL
STRUCTURAL REPAIR OF CONCRETE (DEPTH LESS THAN OR EQUAL TO 5″)	SQ FT	9.0
PROTECTIVE COAT	SQ YD	1.0

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DrawingData\Structure\D570765-sht-Repair.dgn	USER NAME = carrollrt	DESIGNED - ESS	REVISED -
		DRAWN - ESS	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE - 11-17-2013	REVISED -

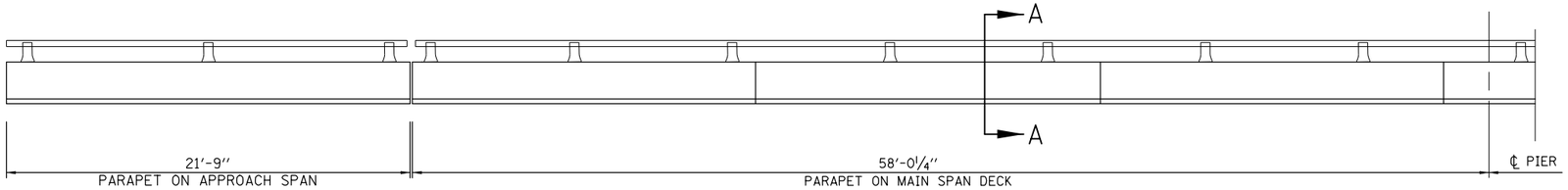
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN FOR STRUCTURAL REPAIR OF CONCRETE ON PARAPETS
S.N. 010–0014

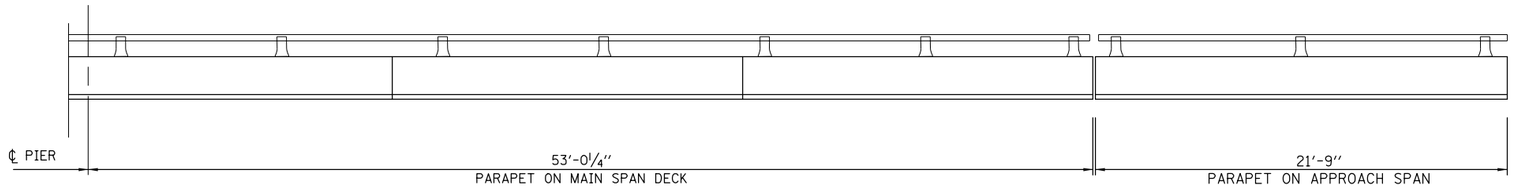
SCALE: | SHEET 20 OF 33 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	71
		CONTRACT NO. 70765		
	ILLINOIS FED. AID PROJECT			

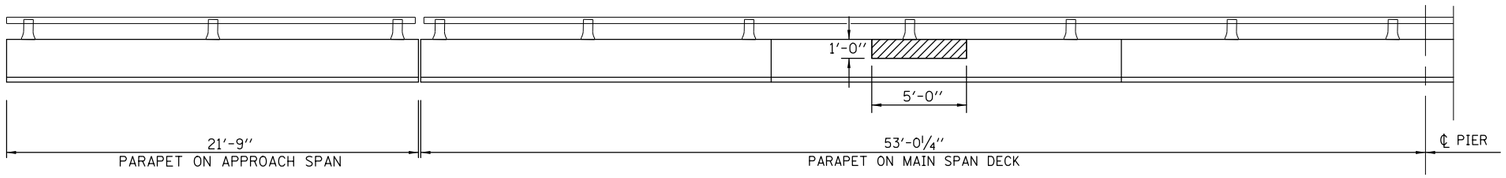
PLAN FOR STRUCTURAL REPAIR OF CONCRETE ON PARAPETS
S.N. 010–0015 (EB)



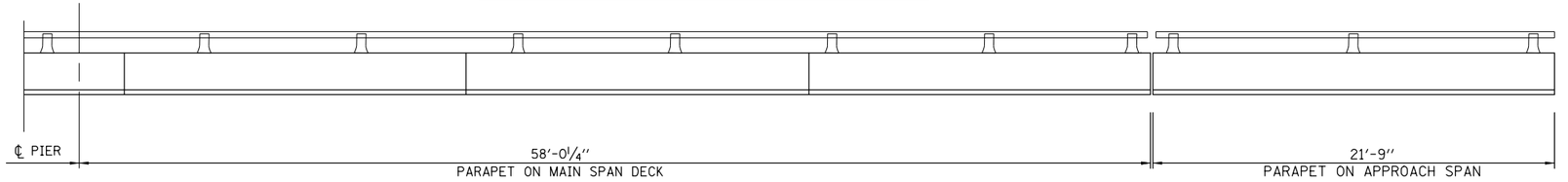
ELEVATION: NORTH PARAPET WEST SPANS



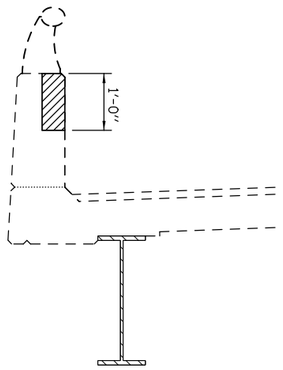
ELEVATION: NORTH PARAPET EAST SPANS



ELEVATION: EAST HALF OF SOUTH PARAPET



ELEVATION: WEST HALF OF SOUTH PARAPET



SECTION A-A

SHOWING TYPICAL REMOVAL LIMITS FOR
STRUCTURAL REPAIR OF CONCRETE ON PARAPETS

NOTE:

SEE SPECIAL PROVISION FOR STRUCTURAL REPAIR OF CONCRETE.

LEGEND

STRUCTURAL REPAIR OF CONCRETE,
DEPTH EQUAL TO OR LESS THAN 5″

BILL OF MATERIALS

ITEM	UNIT	TOTAL
STRUCTURAL REPAIR OF CONCRETE (DEPTH LESS THAN OR EQUAL TO 5″)	SQ FT	5.0
PROTECTIVE COAT	SQ YD	1.0

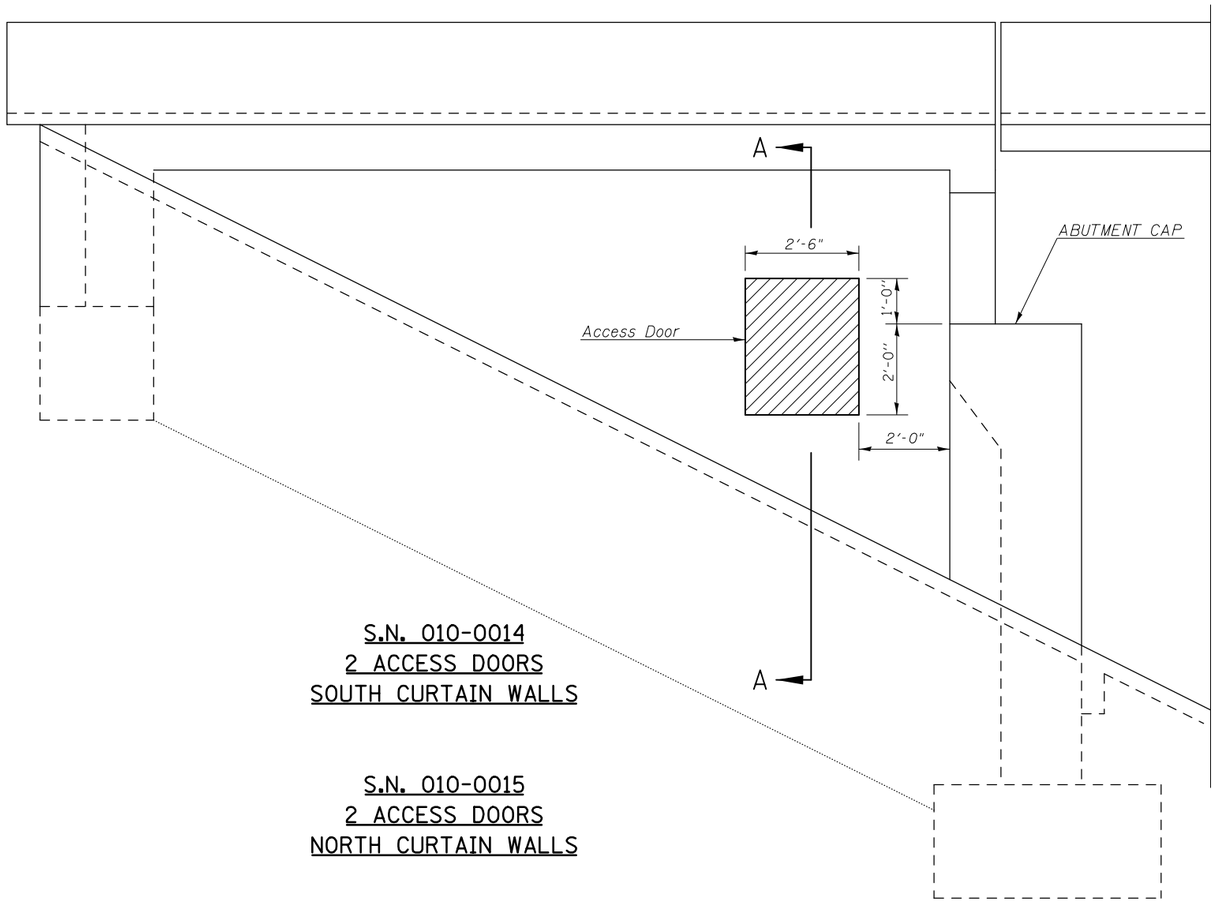
FILE NAME =	USER NAME = carrollrt	DESIGNED - ESS	REVISED -
pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DrawingData\Structure\D570765-sht-Repair.dgn		DRAWN - ESS	REVISED -
$MODELNAME$	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/13/2015	DATE - 11-17-2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN FOR STRUCTURAL REPAIR OF CONCRETE ON PARAPETS
S.N. 010–0015

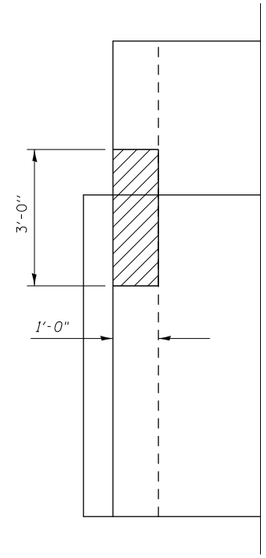
SCALE: | SHEET 21 OF 33 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	72
		CONTRACT NO. 70765		
	ILLINOIS FED. AID PROJECT			



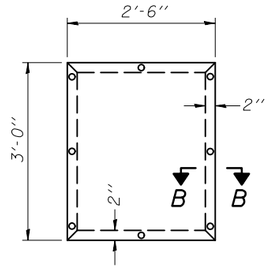
S.N. 010-0014
2 ACCESS DOORS
SOUTH CURTAIN WALLS

S.N. 010-0015
2 ACCESS DOORS
NORTH CURTAIN WALLS

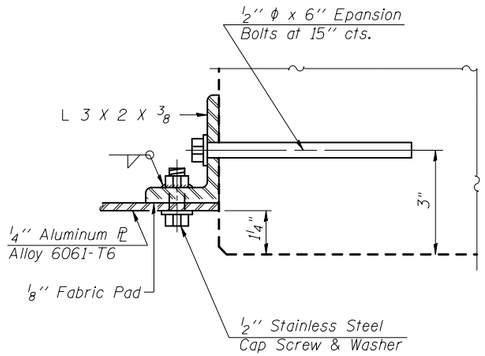


SECTION A-A

Concrete Removal



DOOR ELEVATION



SECTION B-B

NOTES

EXPANSION BOLTS SHALL CONSIST OF SELF DRILLING EXPANSION SHIELDS @ 1/2" DIA. BOLTS. BOLTS SHALL EXTEND A MINIMUM OF 6" INTO EXISTING CONCRETE.

COST OF DOOR AND FRAME ARE INCLUDED WITH FURNISHING & ERECTING STRUCTURAL STEEL.

BILL OF MATERIALS

ITEM	UNIT	TOTAL
CONCRETE REMOVAL	CU YD	1.2
FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	400.0

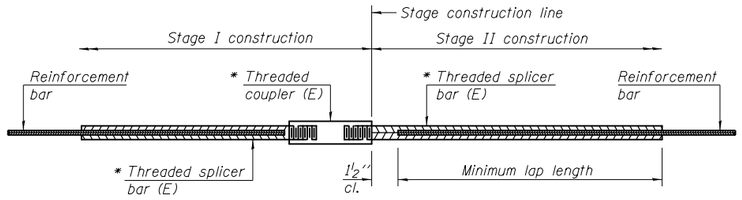
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DRAWINGData\Structures\D570765-sht-Repair Revised.dgn	USER NAME = carrollrt	DESIGNED - ESS	REVISED -
		DRAWN - ESS	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE - 12/18/2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ACCESS DOORS
S.N. 010-0014 & S.N. 010-0015

SCALE: | SHEET 22 OF 33 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	73
		CONTRACT NO. 70765		
		ILLINOIS FED. AID PROJECT		



STANDARD BAR SPLICER ASSEMBLY

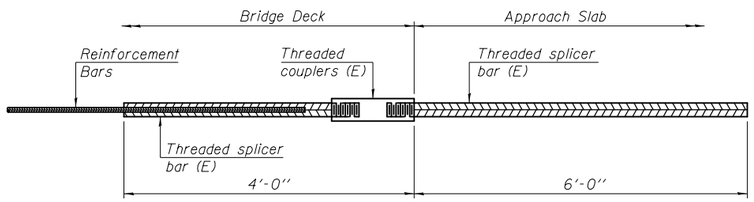
Minimum Lap Lengths						
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5	Table 6
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-7"	2'-11"
5	1'-9"	2'-5"	2'-7"	2'-11"	3'-3"	3'-8"
6	2'-1"	2'-11"	3'-1"	3'-6"	3'-10"	4'-5"
7	2'-9"	3'-10"	4'-2"	4'-8"	5'-2"	5'-10"
8	3'-8"	5'-1"	5'-5"	6'-2"	6'-9"	7'-8"
9	4'-7"	6'-5"	6'-10"	7'-9"	8'-7"	9'-8"

Table 1: Black bar, 0.8 Class C
Table 2: Black bar, Top bar lap, 0.8 Class C
Table 3: Epoxy bar, 0.8 Class C
Table 4: Epoxy bar, Top bar lap, 0.8 Class C
Table 5: Epoxy bar, Class C
Table 6: Epoxy bar, Top bar top, Class C

Threaded splicer bar length = min. lap length + 1½" + thread length

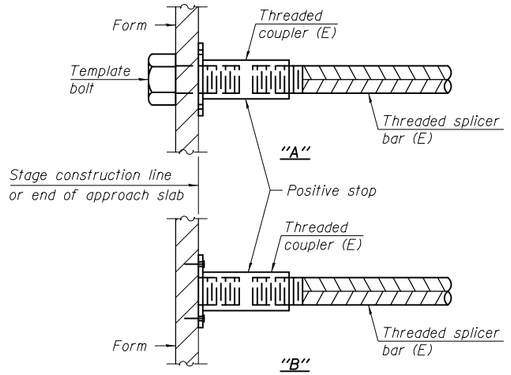
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Structure No.	Location	Bar size	No. assemblies required	Table for minimum lap length
010-0014	HATCH BLOCK	6	4	3
	DECK END	5	28	3
010-0015	HATCH BLOCK	6	4	3
	DECK END	5	28	3



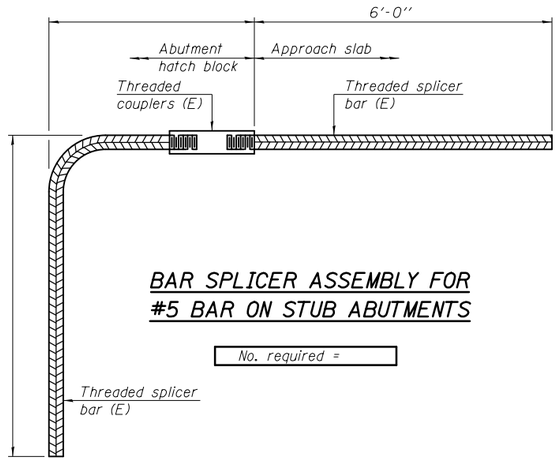
BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required =



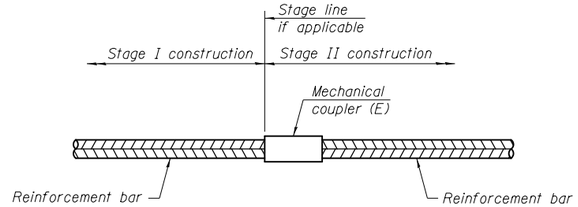
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1

1-27-12

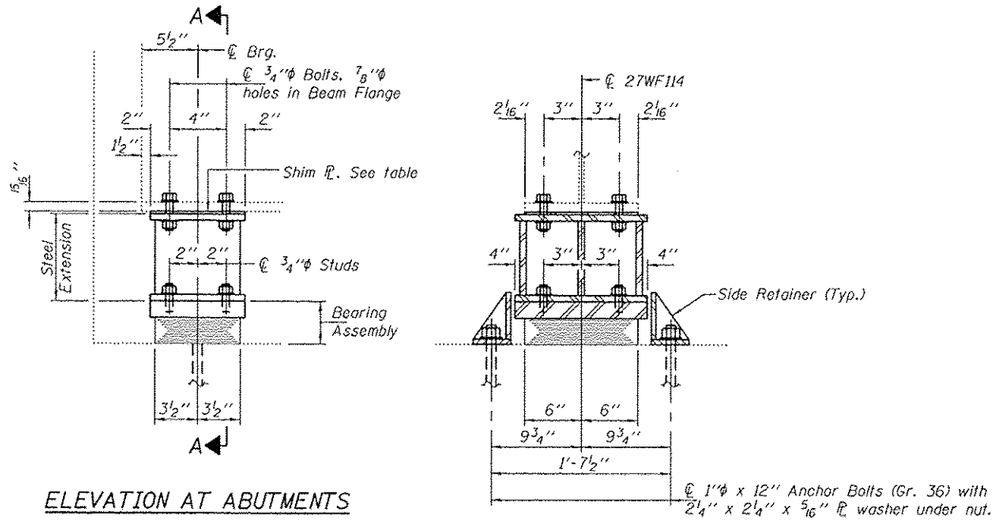
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DrawingData\Structures\D570765-sht-Repair.dgn	USER NAME = carrollrt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
S.N. 010-0014 & 010-0015

SCALE: | SHEET 23 OF 33 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	74
		CONTRACT NO. 70765		
	ILLINOIS FED. AID PROJECT			



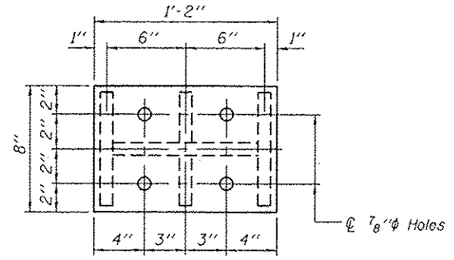
ELEVATION AT ABUTMENTS

SECTION A-A

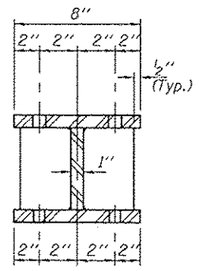
BEAM REACTIONS

R℄	(K)	19.8
R↳	(K)	33.5
Imp.	(K)	9.2
R (Total)	(K)	62.5

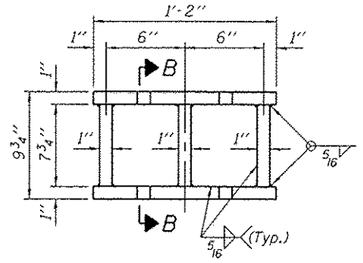
Notes:
Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Furnishing and Erecting Structural Steel.
New steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel.
Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions.
Min. jack capacity = 35 Tons.
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi).
The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
Side retainers shall be included in the cost of Elastomeric Bearing Assembly, Type I.



PLAN TOP AND BOTTOM PLATE



SECTION B-B



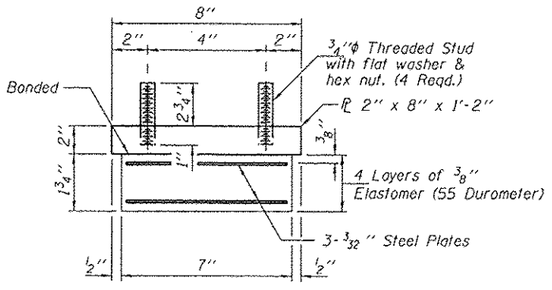
STEEL EXTENSION DETAIL

SHIM TABLE 010-0014

	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5	Beam 6	Beam 7
W. Abut.	⅜"	-	-	½"	⅛"	⅛"	-
E. Abut.	⅜"	-	-	½"	⅛"	⅛"	-

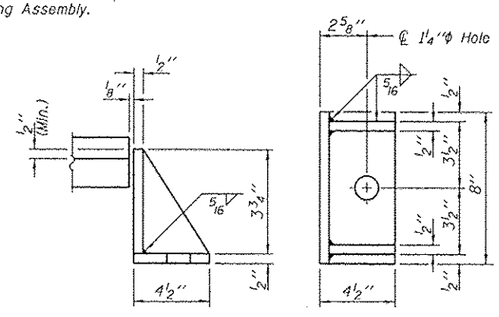
SHIM TABLE 010-0015

	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5	Beam 6	Beam 7
W. Abut.	-	¼"	⅛"	-	-	-	-
E. Abut.	-	¼"	⅛"	-	-	-	-



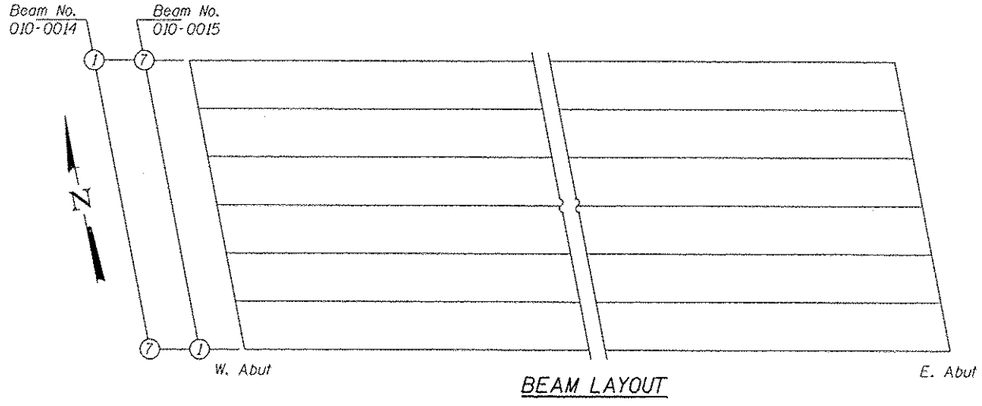
BEARING ASSEMBLY

Note:
Shim plates shall not be placed under Bearing Assembly.

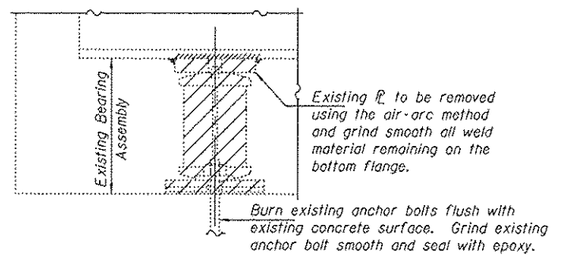


SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



BEAM LAYOUT



EXISTING BEARING REMOVAL DETAIL

Cost included with Jack and Remove Existing Bearings.

BILL OF MATERIAL 010-0014

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	14
Jack and Remove Existing Bearings	Each	14
Furnishing and Erecting Structural Steel	Pound	1920
Anchor Bolts 1"ϕ	Each	28

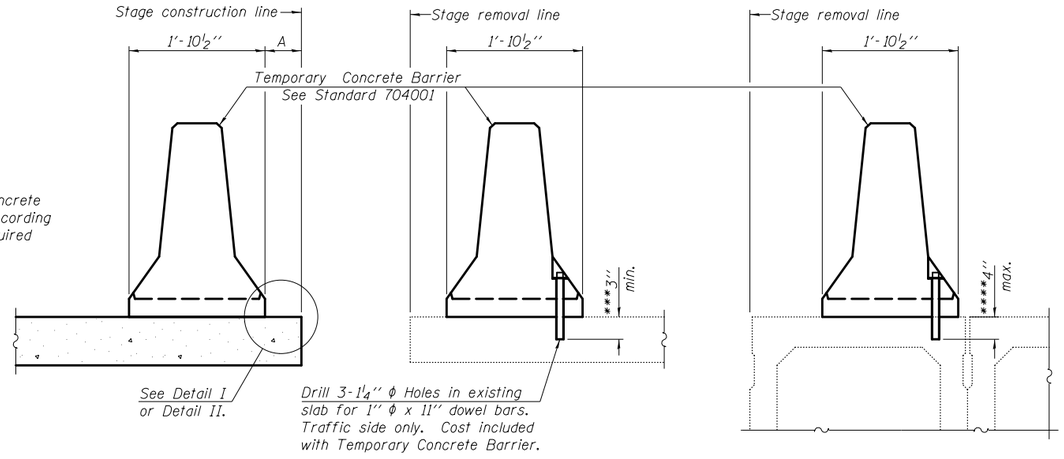
BILL OF MATERIAL 010-0015

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	14
Jack and Remove Existing Bearings	Each	14
Furnishing and Erecting Structural Steel	Pound	1890
Anchor Bolts 1"ϕ	Each	28

TYI/REPS 12-03-2008

DESIGNED SMR	PASSED	DATE AUGUST 12, 2015	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ABUTMENT BEARING REPLACEMENT DETAILS SN 010-0014 (WB) & 0015 (EB)	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CHECKED DAB					74	(10-4,10-5)I	CHAMPAIGN	202	75
DRAWN baliva		REVISED					CONTRACT NO. 70815		
CHECKED SMR DAB	ACTING ENGINEER OF BRIDGES AND STRUCTURES	REVISED		SHEET NO. 24 OF 33 SHEETS			ILLINOIS FED. AID PROJECT		

When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".



NEW SLAB | EXISTING SLAB | EXISTING DECK BEAM

NOTES

Detail I - With Bar Splicer or Couplers:
Connect one (1) 1'' x 7' 'x ''W'' steel PL to the top layer of couplers with 2-⅝'' ϕ bolts screwed to coupler at approximate ℄ of each barrier panel.

Detail II - With Extended Reinforcement Bars:
Connect one (1) 1'' x 7'' x ''W'' steel PL to the concrete slab or concrete wearing surface with 2-⅝'' ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate ℄ of each barrier panel.

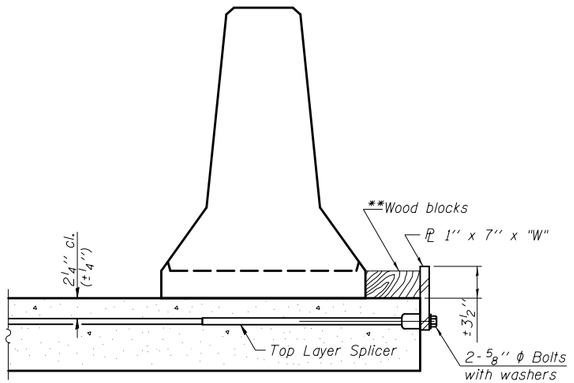
Cost of anchorage is included with Temporary Concrete Barrier.

The 1'' x 7'' x ''W'' plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

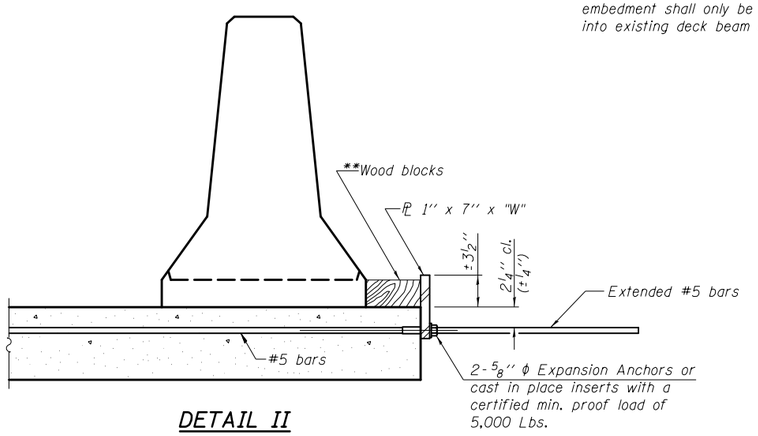
SECTIONS THRU SLAB OR DECK BEAM

*** Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.

**** If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



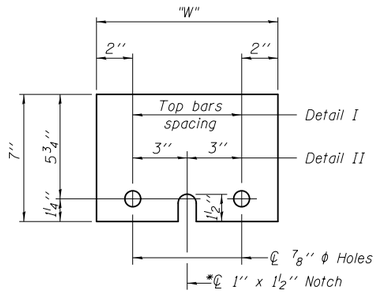
DETAIL I



DETAIL II

** Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.

"W" = Top bars spacing + 4''



STEEL RETAINER PL 1'' x 7'' x ''W''

* Required only with Detail II

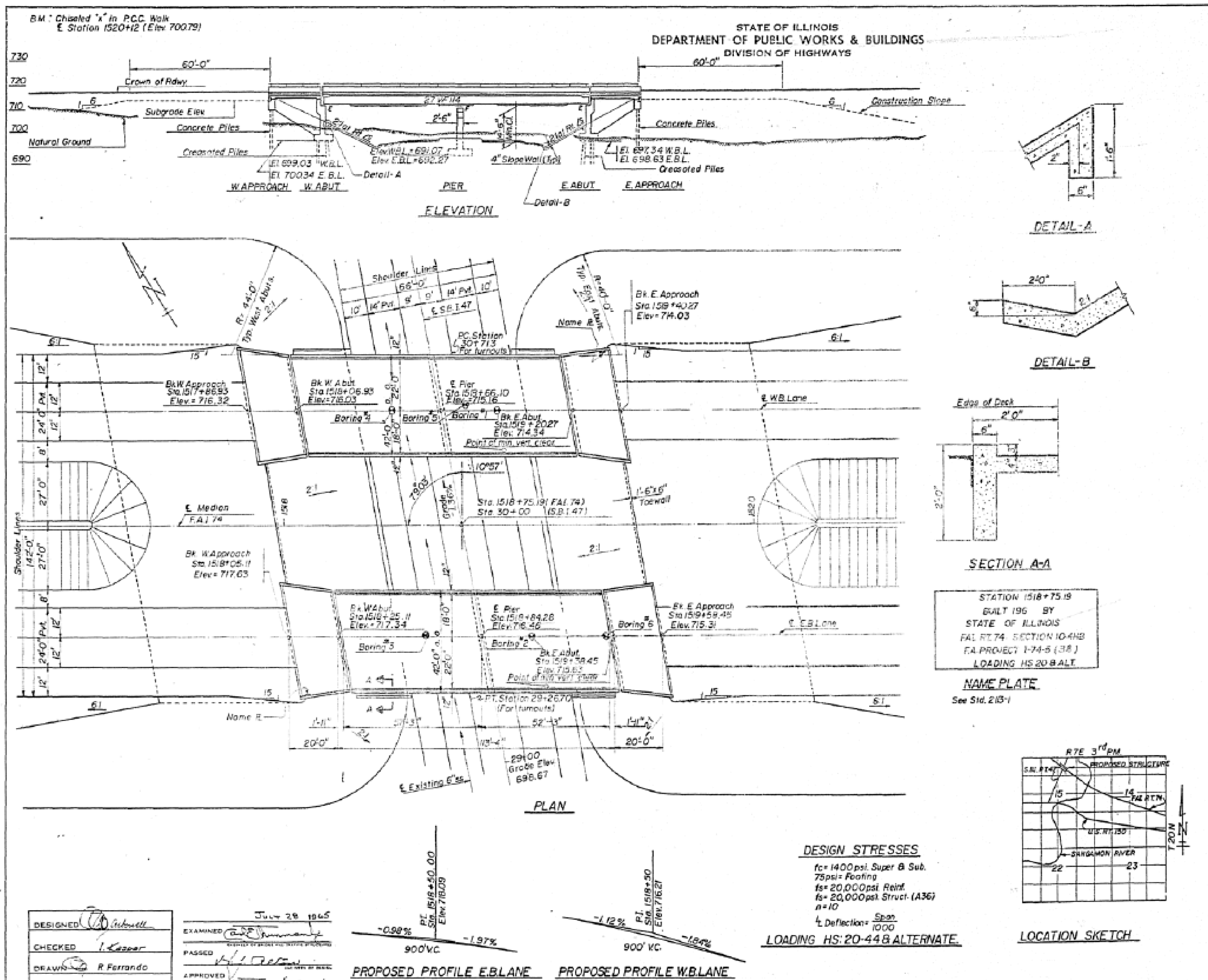
R-27

7-1-10

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DRAWING Data\Structures\D570765-sht-Repair Details	USER NAME = carrollrt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUPERSTRUCTURE REPAIR DETAIL S.N. 010-0014 & 010-0015
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 8/13/2015	DATE -	REVISED -		SCALE: SHEET 25 OF 33 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	76
		CONTRACT NO. 70765		
	ILLINOIS	FED. AID PROJECT		

AS-BUILT PLANS
FOR INFORMATION ONLY



F.A.I. 74	10-4HB	CHAMPAIGN	42	13	SHEET NO. 1	12 SHEETS

GENERAL NOTES

Coarse aggregate to be used in parapet handrails and wingwalls must be absolutely free of chert, flint, limonite, lignite and soft sandstone.

The concrete floor slab shall be finished in accordance with Article 51.19 of the Standard Specifications.

Slope Wall shall be reinforced with welded wire fabric 6"x6" mesh, weighing 58 lbs. per 100 sq.ft.

All reinforcement bars shall be lapped 20 diameters unless otherwise shown.

All Structural Steel shall conform to ASTM specifications for Structural Steel designation A36.

Rivets 7/8" ø open holes 15/16" unless otherwise noted.

Anchor bolts shall be set before riveting diaphragms over supports.

All rockers, bolsters, bearing plates, lead plates, pintles and anchor bolts shall be fabricated and set in accordance with Article 51.15 of the Standard Specifications and are included in quantity of Structural Steel. Estimated weight = 9770 lbs.

The exposed surfaces of the expansion guard shall be given two shop coats of red lead paint, the contact surfaces shall be given one coat of red lead paint. Anchor studs shall not be painted.

Expansion guards are included in the quantity of Structural Steel. Estimated weight = 4530 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 Article 56.1 to 56.5 inclusive of Standard Specifications.

The Contractor shall drive two concrete test piles, one at the West Approach, West Bound Lanes and another at the East Approach, East Bound Lanes; two timber test piles one in the vicinity of the West Abutment, West Bound Lanes and another in the vicinity of the East Abutment, East Bound Lanes. All test piles shall be driven as directed by the Engineer and before ordering the remainder of piles.

Excavations for portions of structures in the embankments shall not be classified.

Permanent forms will not be permitted in forming the concrete deck.

STRESS TABLE (Int.Bm.)

	MOMENTS = ft.kips.		REACTIONS = kips	
	.4 Span	Pier	Abut	Pier
D.L.	218.32	333.25	19.76	61.09
L.L+Imp	447.12	313.65	42.69	51.33
Total	665.44	646.90	62.45	112.42

I of 27 WF114 = 4080.5 in⁴
Cover Plates 9"x5/8" Top & Bottom at Midspans & Pier

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
* Class "A" Excavation for Structures	Cu. Yds.		830	830
Structural Steel	Lbs.	260650		260650
Class "X" Concrete	Cu. Yds.	408.8	410.3	819.1
Aluminum Handrail	Lin.Ft.	619		619
Reinforcement Bars	Lbs.	102730	36080	138810
Creosoted Piles	Lin.Ft.		1995	1995
Test Piles Timber	Each		2	2
Concrete Piles	Lin.Ft.		931	931
Test Piles, Concrete	Each		2	2
Name Plates	Each	2		2
Slope Wall	Sq.Yds.		1150	1150
Protective Coat	Sq.Yds.	1620		1620
† Bridge Seat Sealant	Lump Sum	L.S.		L.S.

* Includes excavation for Slopewalls.
† Bridge seat sealant applied at Abutments only.

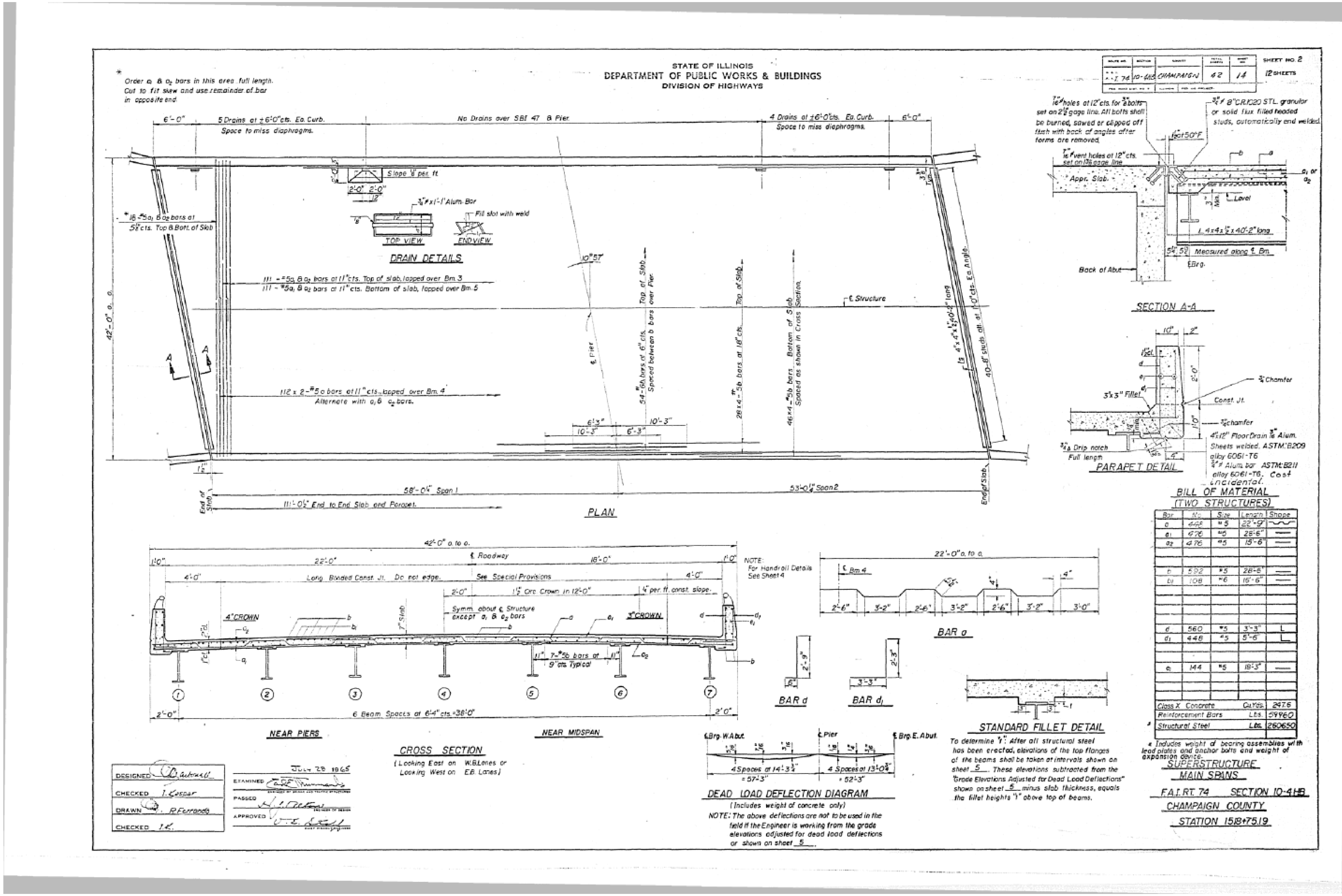
GENERAL PLAN & ELEVATION
PROJECT I-74-5(38)I74
F.A.I. RT. 74 - SECTION 10-4HB
CHAMPAIGN COUNTY
STATION 1518+75.19 (F.A.I. 74)
STATION 30+00 (S.B.I. 47)

FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	AS-BUILT PLANS FOR INFORMATION ONLY
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -		
$MODELNAME$	PLOT DATE = 8/13/2015	DATE -	REVISED -		SCALE: SHEET 26 OF 33 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	77

CONTRACT NO. 70765
ILLINOIS FED. AID PROJECT

AS–BUILT PLANS
FOR INFORMATION ONLY



BILL OF MATERIAL (TWO STRUCTURES)

Bar	No.	Size	Length	Shape
a	448	#5	22'-9"	~
a1	476	#5	28'-6"	—
a2	476	#5	15'-6"	—
b	592	#5	28'-6"	—
b1	108	#6	15'-6"	—
d	560	#5	3'-3"	L
d1	448	#5	5'-6"	L
e	144	#5	18'-3"	—

Class X Concrete	Cu.Yds.	247.6
Reinforcement Bars	Lbs.	59960
* Structural Steel	Lbs.	260650

* Includes weight of bearing assemblies with lead plates and anchor bolts and weight of expansion device.

SUPERSTRUCTURE
MAIN SPANS

F.A.I. RT. 74 SECTION 10-4HB
CHAMPAIGN COUNTY
STATION 1518+75.19

FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -
pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570...		DRAWN	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS–BUILT PLANS
FOR INFORMATION ONLY

SCALE: SHEET 27 OF 33 SHEETS STA. TO STA.

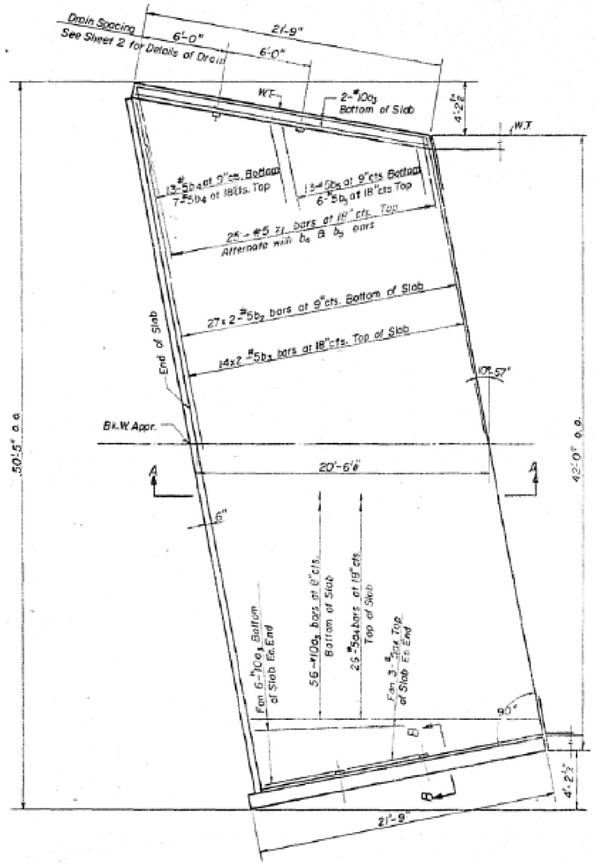
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	78

CONTRACT NO. 70765
ILLINOIS FED. AID PROJECT

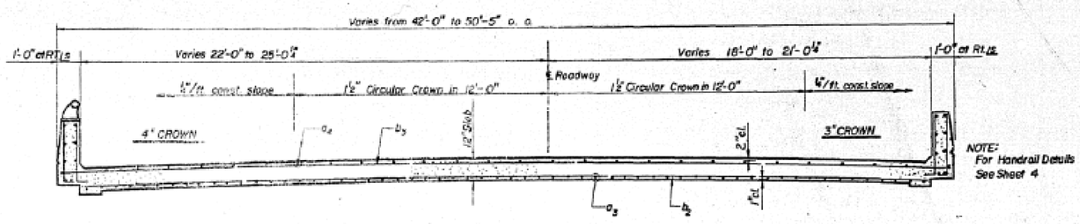
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

SECTION NO.	REGION	COUNTY	TOTAL SHEETS	SHEET NO.
74	10-4HB	CHAMPAIGN	42	15

SHEET NO. 3
12 SHEETS

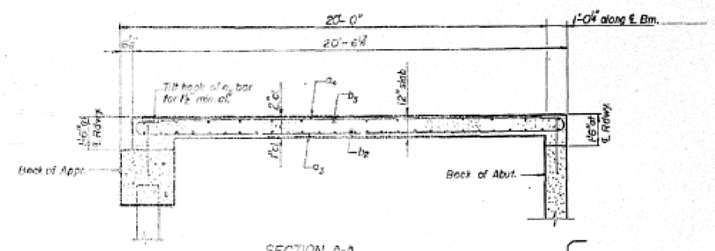


PLAN



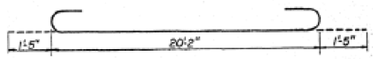
NOTE: For Handrail Details See Sheet 4

CROSS SECTION
(Looking East on W.B. Lanes or Looking West on E.B. Lanes)



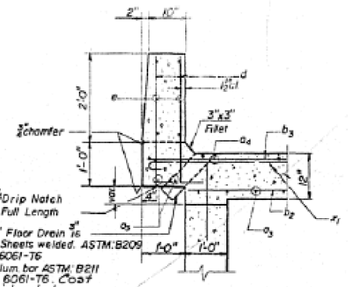
SECTION A-A

BAR x_1

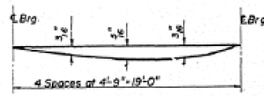


BAR a_3

NOTE: For details of bar d see sheet 2



SECTION B-B



DEAD LOAD DEFLECTION DIAGRAM
(Includes weight of concrete only)
NOTE: The above deflections are not to be used in the field if the Engineer is working from the grade elevations adjusted for dead load deflections as shown on sheet 5.

BILL OF MATERIALS
4- APPROACH SPANS

BAR	NO.	SIZE	LENGTH	SHAPE
a_3	288	#10	23'-0"	C
a_4	128	#5	20'-3"	—
b_1	216	#5	21'-0"	—
b_2	112	#5	22'-0"	—
b_4	80	#5	5'-6"	—
b_3	76	#5	5'-6"	—
d	400	#5	3'-3"	L
e	48	#5	2'-6"	—
x_1	100	#5	5'-3"	C
Class X Concrete			Cu.Yds.	161.2
Reinforcement Bars			L bs.	42770

SUPERSTRUCTURE
APPROACH SPANS
FAI RT. 74 SECTION 10-4HB
CHAMPAIGN COUNTY
STATION 1518+75.19

DESIGNED		JULY 28, 1965	
CHECKED	J. Kasper	EXAMINED	
DRAWN	FERRANCE	PASSED	
CHECKED	J.K.	APPROVED	

FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -
pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D5707[illegible]\DrawingData\Structures\D570765-sht-Repair[illegible]		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS–BUILT PLANS
FOR INFORMATION ONLY

SCALE: | SHEET 28 OF 33 SHEETS | STA. | TO STA.

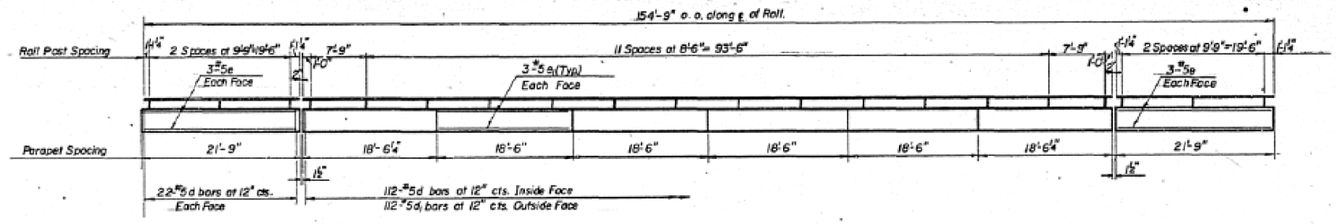
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	79
		CONTRACT NO. 70765		
	ILLINOIS	FED. AID PROJECT		

AS–BUILT PLANS
FOR INFORMATION ONLY

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

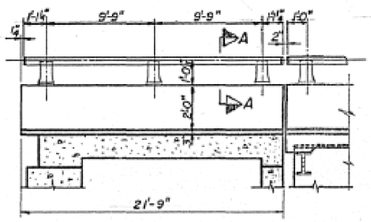
F.A.I. RTE. 74	10-4HB	CHAMPAIGN	42	16

SHEET NO. 4
12 SHEETS

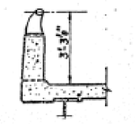


NOTE:
Place 2 additional #5d bars at each rail post, inside face.
d_1, d_2, e & e_1 bars are billed with Superstructure

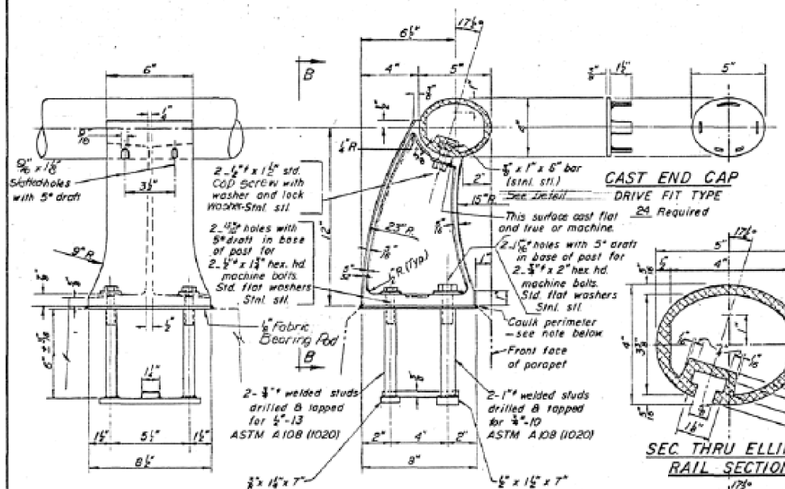
ELEVATION



INSIDE ELEVATION
APPROACH RAIL

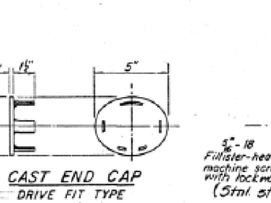


SEC. THRU CURB

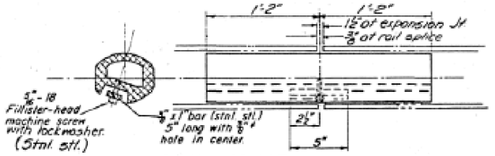


VIEW B-B. SECTION A-A

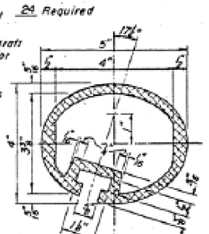
RAIL POST DETAILS



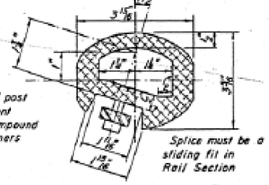
CAST END CAP
DRIVE FIT TYPE
24 Required



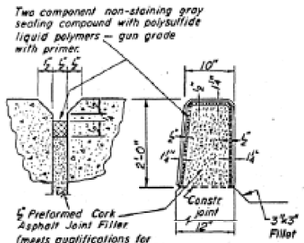
RAIL SPLICE
Notch top of slot in rails to clear ⅝" screw.



SEC. THRU ELLIPTICAL RAIL SECTION

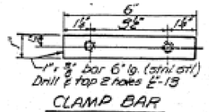


SEC. THRU SPLICE
Splice must be a sliding fit in Rail Section



Cost incidental.

PARAPET JOINT DETAIL



CLAMP BAR

NOTES:

All Posts shall be normal to parapet.

All Aluminum Alloy Extruded Rail shall conform to ASTM specification B-221 alloy 6061-T6, . . and shall extend a minimum of 2 panel lengths (attached to minimum of 3 posts) except at ends or at open joints where a minimum of 1 panel length is required. All joints in railing must be spliced per detail.

See Special Provisions for following Material Specifications:

Cast Aluminum Alloy Bridge Post— AlloyA344-T4.
Stainless Steel Welded Stud Bolts, Washers, and Lockouts
Fabric bearing Pad

METHOD of MEASUREMENT: Aluminum handrail shall be measured in lineal feet. The length paid for shall be the over all length along the top longitudinal railing member thru all posts and gaps.

BASIS of PAYMENT: Aluminum handrail shall be paid for at the contract unit price per lineal foot for ALUMINUM HANDRAIL, measured as specified, which price shall be payment in full for all materials, fabrication, transportation, and erection.

Cost of rail splice, end caps, and hardware to be incidental to item ALUMINUM HANDRAIL.

Provide 1-⅛" and 2-1⅛" Aluminum Shims for 25% of the Posts. Rail element shall be parallel to Grade — high spots shall be ground, and low spots shimmed.

BILL OF MATERIAL

Item	Unit	Quantity
ALUMINUM HANDRAIL	Lin. Ft.	619.

ALUMINUM HANDRAIL
F.A.I. RT. 74 SECTION 10AHB
CHAMPAIGN COUNTY
STATION 1518+75.19

DESIGNED			
CHECKED	I. Kasper	EXAMINED	June 28, 1965
	R. FERRANDO	PASSED	
DRAWN	Wm. M. Best	APPROVED	
CHECKED	I.K.		

Note:
Seal perimeter of base of post to parapet with two component non-staining gray sealing compound with polysulfide liquid polymers —gun grade with primer.

R-17 Dim 5-28-64 Rev 1-20-65

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D5707[illegible]	USER NAME = carrollrt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS–BUILT PLANS
FOR INFORMATION ONLY

SCALE: | SHEET 29 OF 33 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	80
		CONTRACT NO. 70765		
	ILLINOIS FED. AID PROJECT			

AS-BUILT PLANS
FOR INFORMATION ONLY

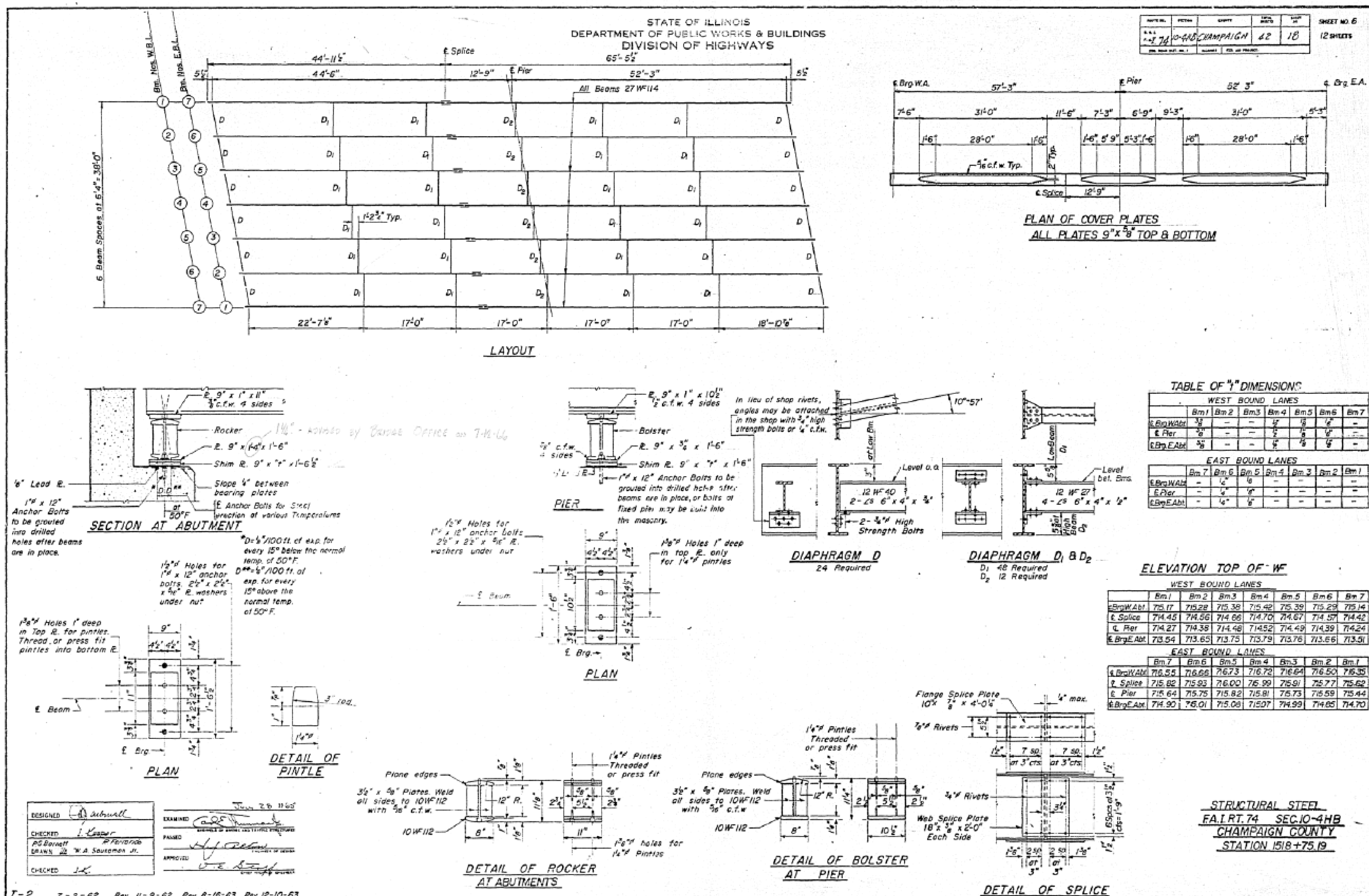


TABLE OF "T" DIMENSIONS

WEST BOUND LANES

	Bm 1	Bm 2	Bm 3	Bm 4	Bm 5	Bm 6	Bm 7
℄ Brg. W. Abt.	3/8"	–	–	1/2"	1/8"	1/8"	–
℄ Pier	3/8"	–	–	1/2"	1/8"	1/8"	–
℄ Brg. E. Abt.	3/8"	–	–	1/8"	1/8"	1/8"	–

EAST BOUND LANES

	Bm 7	Bm 6	Bm 5	Bm 4	Bm 3	Bm 2	Bm 1
℄ Brg. W. Abt.	–	1/4"	1/8"	–	–	–	–
℄ Pier	–	1/4"	1/8"	–	–	–	–
℄ Brg. E. Abt.	–	1/4"	1/8"	–	–	–	–

ELEVATION TOP OF WF

WEST BOUND LANES

	Bm 1	Bm 2	Bm 3	Bm 4	Bm 5	Bm 6	Bm 7
℄ Brg. W. Abt.	715.17	715.28	715.38	715.42	715.39	715.29	715.14
℄ Splice	714.45	714.56	714.66	714.70	714.67	714.57	714.42
℄ Pier	714.27	714.38	714.48	714.52	714.49	714.39	714.24
℄ Brg. E. Abt.	713.54	713.65	713.75	713.79	713.76	713.66	713.51

EAST BOUND LANES

	Bm 7	Bm 6	Bm 5	Bm 4	Bm 3	Bm 2	Bm 1
℄ Brg. W. Abt.	716.55	716.66	716.73	716.72	716.64	716.50	716.35
℄ Splice	715.82	715.93	716.00	716.99	715.91	715.77	715.62
℄ Pier	715.64	715.75	715.82	715.81	715.73	715.59	715.44
℄ Brg. E. Abt.	714.90	715.01	715.08	715.07	714.99	714.85	714.70

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D57... Data\Structures\D570765-sht-Repa...	USER NAME = carrollrt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	AS-BUILT PLANS FOR INFORMATION ONLY	F.A.I. RTE. 74 · SECTION (74,10-4-1,10-4,10-5)RS · COUNTY CHAMPAIGN · TOTAL SHEETS 202 · SHEET NO. 81
$MODELNAME$	PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -		SCALE: SHEET 30 OF 33 SHEETS STA. TO STA.	CONTRACT NO. 70765
	PLOT DATE = 8/13/2015	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT
		DATE -	REVISED -			

AS–BUILT PLANS
FOR INFORMATION ONLY

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

I 74	10-4HB	CHAMPAIGN	42	19	SHEET NO. 7 12 SHEETS

SECTION D–D

PART ELEVATION

SECTION C-C

SECTION B-B

SIDE ELEVATION

BAR n

BAR v_2

BAR s

BAR h_1

BAR h_7

SECTION AA

PLAN

DETAILS OF STEPS - W. ABUT W.B. LANES

DETAIL OF STEPS - E. ABUT E.B. LANES

FRAME

GRATE

Frames & Grates included in quantity of Structural Steel.

DETAILS OF WELDED FRAME AND GRATE

DESIGNED	M. Arnold	
CHECKED	J. Cooper	
DRAWN	R. Ferrando	
CHECKED	J.C.	
EXAMINED		June 20 1945
PASSED		
APPROVED		

BILL OF MATERIALS - 2 ABUTS

BAR	NO.	SIZE	LENGTH	SHAPE
h	84	#4	20'-8"	
h_1	12	#6	4'-0"	L
h_2	12	#5	4'-0"	
h_3	4	#6	7'-0"	
h_4	92	#4	2'-6"	
h_5	40	#4	20'-0"	
h_6	32	#8	16'-0"	
h_7	32	#4	8'-0"	
h_8	80	#4	2'-6"	
h_9	8	#6	21'-0"	
n	92	#6	5'-0"	
p	24	#7	25'-6"	
s	92	#4	9'-5"	
t	86	#5	4'-9"	
v	240	#4	2'-0"	
v_1	164	#4	3'-8"	
v_2	82	#5	7'-0"	
v_4	92	#6	9'-0"	
v_5	84	#4	9'-0"	
v_6	160	#4	4'-9"	
v_8	40	#4	4'-0"	
v_7	40	#4	6'-0"	
v_8	64	#4	7'-6"	
w	20	#5	22'-0"	

Class X Concrete	Cu Yds.	1487
Reinforcing Bars	Lbs.	10590
Precasted Piles	Lin. Ft	920
Test Piles Timber	Each	2
Concrete Piles	Lin. Ft	420
Test Piles Concrete	Each	2

PILE DATA

ABUTMENT
Type: Precasted
Capacity: 20 Tons
Est Length: 25' W.B.L., 21' E.B.L.
No Req'd: 42
Two Test Piles

APPROACH
Type: Concrete
Capacity: 20 Tons
Est Length: 37' W.B.L., 33' E.B.L.
No. Req'd: 14 (Incl. 2 test piles)

WEST ABUT, WEST BOUND LANES
EAST ABUT, EAST BOUND LANES
F.A.I. RT 74 SECTION 10-4 HB
CHAMPAIGN COUNTY
STATION 1518+75.19

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DRAWING Data\Structures\D570765-sht-Repair-Revised	USER NAME = carrollrt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS–BUILT PLANS
FOR INFORMATION ONLY

SCALE: | SHEET 31 OF 33 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	82
		CONTRACT NO. 70765		
		ILLINOIS FED. AID PROJECT		

AS–BUILT PLANS
FOR INFORMATION ONLY

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 74	10-4HB	CHAMPAIGN	42	20

SHEET NO. 8
12 SHEETS

SECTION D-D

SECTION A-A

PART ELEVATION

SECTION C-C

SECTION B-B

SIDE ELEVATION

BAR n

BAR v_2

BAR s

BAR h.

BAR h_2

PLAN

DETAIL OF STEPS E.ABUT W.B LANES

DETAILS OF STEPS W.ABUT E.B.LANES

FRAME

GRATE

DETAILS OF WELDED FRAME AND GRATE

DESIGNED
CHECKED
DRAWN R. Ferrando
CHECKED
EXAMINED
PASSED
APPROVED
JULY 23, 1965

BILL OF MATERIAL 2-ABUTS.

BAR	NO	SIZE	LENGTH	SHAPE
h	24	#4	20'-0"	
h_1	12	#5	4'-0"	
h_2	12	#5	4'-0"	
h_3	4	#6	7'-0"	
h_4	92	#4	2'-6"	
h_5	40	#4	20'-0"	
h_6	32	#4	16'-0"	
h_7	32	#4	8'-0"	
h_8	80	#4	2'-6"	
h_9	8	#6	2'-0"	
n	92	#6	5'-0"	
p	24	#7	25'-6"	
s	92	#4	9'-5"	
t	86	#5	4'-9"	
v	240	#4	2'-0"	
v_1	154	#4	3'-8"	
v_2	82	#4	7'-0"	
v_3	92	#6	9'-0"	
v_4	84	#4	9'-0"	
v_5	160	#4	4'-9"	
v_6	40	#4	4'-0"	
v_7	40	#4	6'-0"	
v_8	64	#4	7'-6"	
w	20	#5	22'-0"	

Class X Concrete	Cu. Yds.	1487
Reinforcement Bars	Lbs.	10590
Creosoted Piles	Lin.Ft.	1029
Concrete Piles	Lin.Ft.	511

PILE DATA

ABUTMENT
Type: Creosoted
Capacity: 20 Tons
Est. Length: 26'W.BL. 23'E.BL.
No. Reqd: 42

APPROACH
Type: Concrete
Capacity: 20 Tons
Est. Length: 38'W.BL. 35'E.BL.
No. Reqd: 14

EAST ABUT. WEST BOUND LANES
WEST ABUT. EAST BOUND LANES
F.A.I. RT 74 SECTION 10-4HB
CHAMPAIGN COUNTY
STATION 1518+75.19

FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -
pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DRAWINGData\Structures\D570765-sht-Repair	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
$MODELNAME$	PLOT DATE = 8/13/2015	DATE -	REVISED -

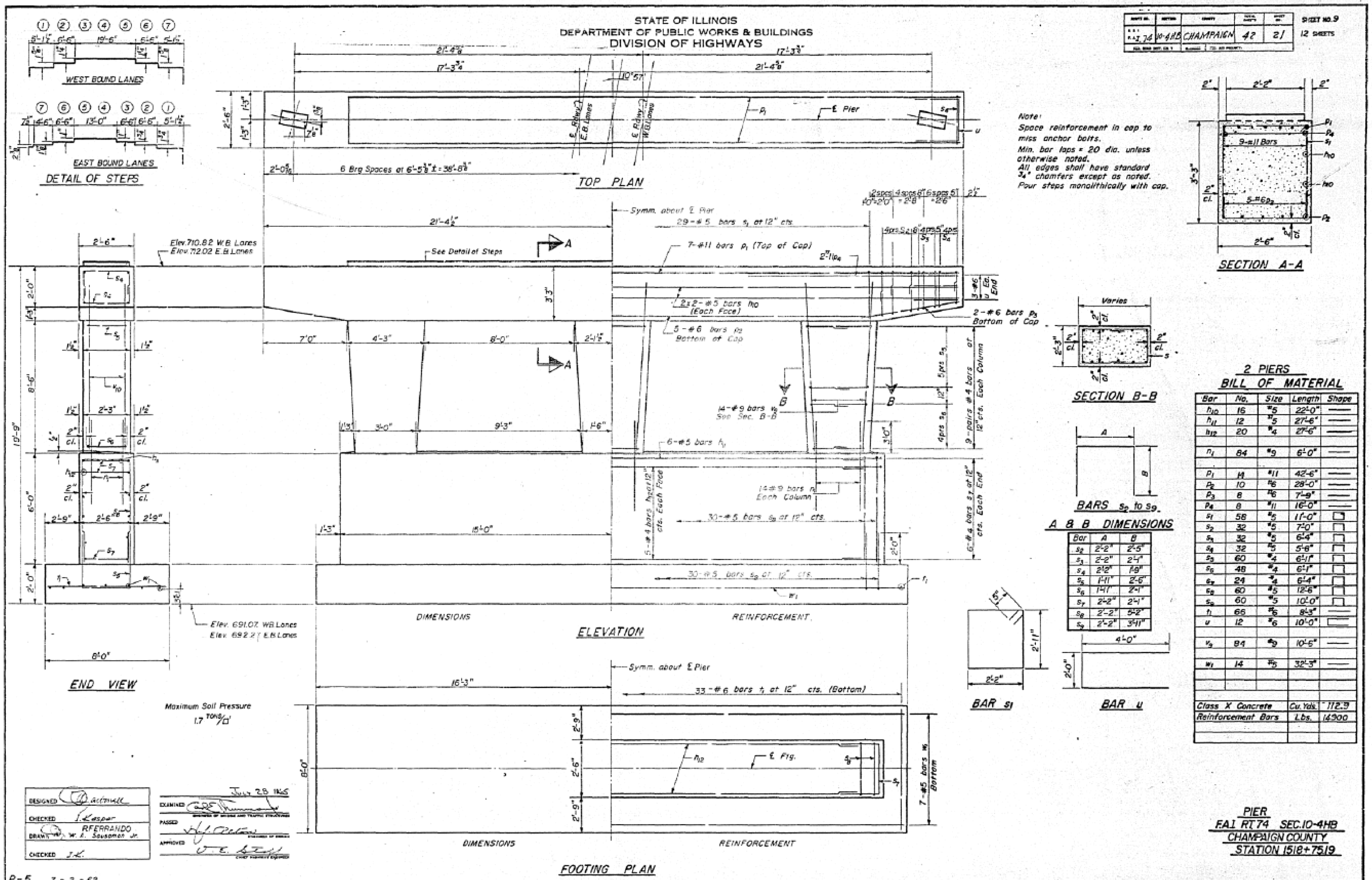
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS–BUILT PLANS
FOR INFORMATION ONLY

SCALE: | SHEET 32 OF 33 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	83
		CONTRACT NO. 70765		
	ILLINOIS FED. AID PROJECT			

AS-BUILT PLANS
FOR INFORMATION ONLY


STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS
SHEET NO. 9
12 SHEETS
CHAMPAIGN 42 21
DETAIL OF STEPS
WEST BOUND LANES
EAST BOUND LANES
TOP PLAN
6 Brg Spaces at 6'-5⅝" = 38'-8⅛"
Note:
Space reinforcement in cap to miss anchor bolts.
Min. bar laps = 20 dia. unless otherwise noted.
All edges shall have standard ¾" chamfers except as noted.
Pour steps monolithically with cap.
SECTION A-A
SECTION B-B
END VIEW
ELEVATION
DIMENSIONS
REINFORCEMENT
Symm. about ℄ Pier
29-#5 bars s1 at 12" cts.
7-#11 bars p1 (Top of Cap)
See Detail of Steps
Elev. 710.82 W.B. Lanes
Elev. 712.02 E.B. Lanes
Elev. 691.07 W.B. Lanes
Elev. 692.27 E.B. Lanes
2-#6 bars p3 Bottom of Cap
5-#6 bars p2 Bottom of Cap
14-#9 bars v9 See Sec. B-B
6-#5 bars h11
14-#9 bars n1 Each Column
30-#5 bars s8 at 12" cts.
30-#5 bars s9 at 12" cts.
BARS s2 to s9
BAR s1
BAR u
Maximum Soil Pressure 1.7 TONS/□'
33-#6 bars f1 at 12" cts. (Bottom)
7-#5 bars w1 Bottom
FOOTING PLAN
PIER
FAI RT 74 SEC. 10-4HB
CHAMPAIGN COUNTY
STATION 1518+75.19
DESIGNED
CHECKED I. Kasper
DRAWN R. FERRANDO W. E. Seusomon Jr.
CHECKED
EXAMINED
PASSED
APPROVED
July 28 1965
P-5 7-2-62

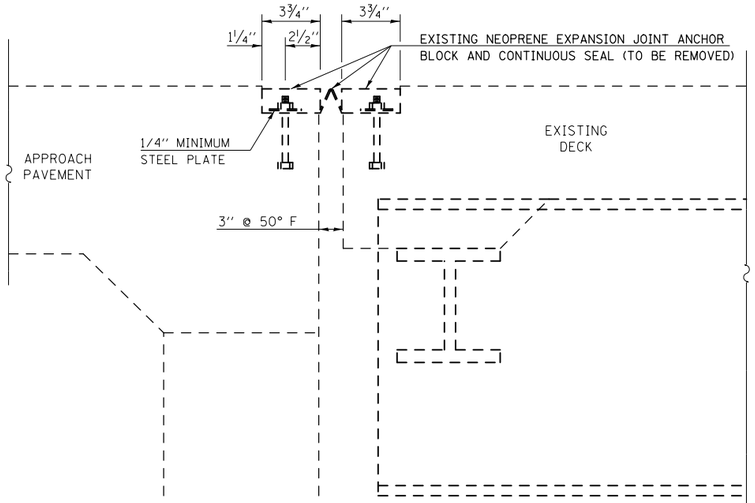
2 PIERS BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h_{10}	16	#5	22'-0"	—
h_{11}	12	#5	27'-6"	—
h_{12}	20	#4	27'-6"	—
n_1	84	#9	6'-0"	—
p_1	14	#11	42'-6"	—
p_2	10	#6	28'-0"	—
p_3	8	#6	7'-9"	—
p_4	8	#11	16'-0"	—
s_1	58	#5	11'-0"	⊓
s_2	32	#5	7'-0"	⊓
s_3	32	#5	6'-4"	⊓
s_4	32	#5	5'-8"	⊓
s_5	60	#4	6'-11"	⊓
s_6	48	#4	6'-1"	⊓
s_7	24	#4	6'-4"	⊓
s_8	60	#5	12'-6"	⊓
s_9	60	#5	10'-0"	⊓
f_1	66	#6	8'-3"	—
u	12	#6	10'-0"	⊏
v_9	84	#9	10'-6"	—
w_1	14	#5	32'-3"	—
Class X Concrete			Cu. Yds.	112.9
Reinforcement Bars			Lbs.	14900

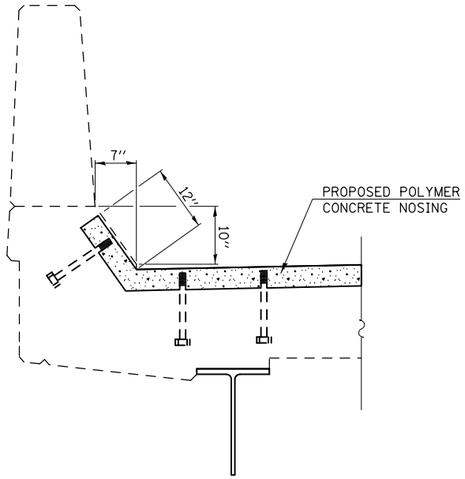
A & B DIMENSIONS

Bar	A	B
s_2	2'-2"	2'-5"
s_3	2'-2"	2'-1"
s_4	2'-2"	1'-9"
s_5	1'-11"	2'-6"
s_6	1'-11"	2'-1"
s_7	2'-2"	2'-1"
s_8	2'-2"	5'-2"
s_9	2'-2"	3'-11"

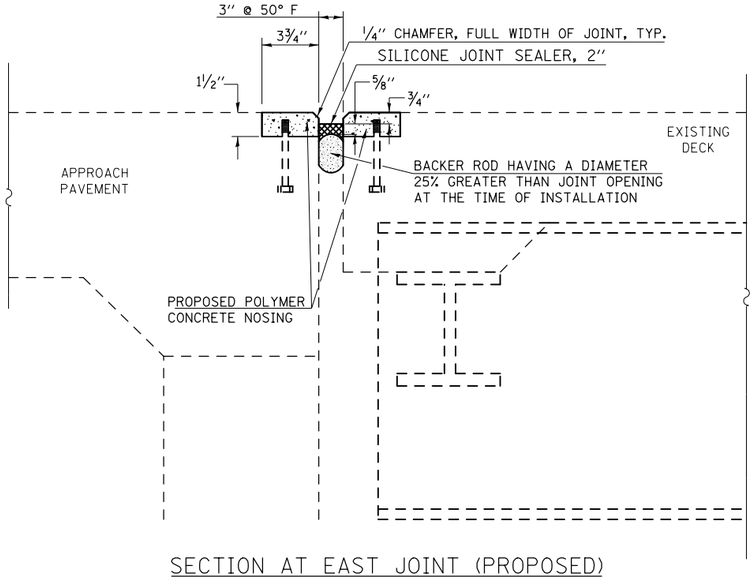
FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	AS-BUILT PLANS FOR INFORMATION ONLY	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D57...Data\Structures\D570765-sht-Repa...		DRAWN -	REVISED -			74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	84
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 70765				
$MODELNAME$	PLOT DATE = 8/13/2015	DATE -	REVISED -		SCALE: SHEET 33 OF 33 SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT				



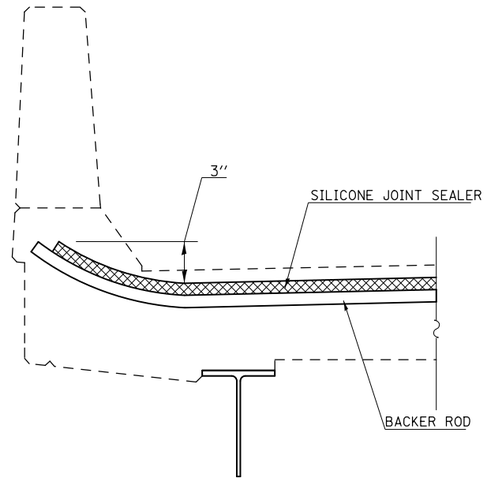
SECTION AT EAST JOINT (EXISTING)



SECTION AT PARAPET
POLYMER CONCRETE NOSING



SECTION AT EAST JOINT (PROPOSED)



SECTION AT PARAPET
SILICONE JOINT SEALER

General Notes

Plan dimensions and details relative to existing plans are subject to nominal construction vatiations. 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 at the unit bid price for the work.

Removal of the existing Neoprene Expansion Joint shall be included with the cost of SILICONE JOINT SEALER and POLYMER CONCRETE.

Proprosed Improvements

1. *Remove existing Neoprene Expansion Joint*
2. *Place Polymer Concrete Nosing*
3. *Place Backer Rod*
4. *Place Silicone Joint Sealer*

BILL OF MATERIALS

Item	*Unit*	*Total*
Silicone Joint Sealer, 3"	*Foot*	*89.0*
Polymer Concrete	*Cu. Ft.*	*8.0*

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D5707BRAWN\Data\Structure\CARROLL\65-sht-Repair Details	USER NAME = carrollrt	DESIGNED - R. CARROLL	REVISED - JMS 081314
	PLOT SCALE = 40.0001 ' / in.	CHECKED - R. CARROLL	REVISED -
	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST JOINT REPAIR DETAILS
S.N. 010-0016 & 010-0017

SCALE: | SHEET NO. 1 OF 7 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	85
		CONTRACT NO. 70765		
		ILLINOIS FED. AID PROJECT		

ROUTE NO.	SECTION	COUNTY	TOT. SH.	SH. NO.
FAI 74	10-4BR	CHAMPAIGN	99	20
ILLINOIS PROJECT				

SHEET 1 OF 26

T.B.M.– CHISLED □ ⌖ S.W. COR. S.W. WINGWALL OF WESTBOUND STRUCTURE OVER SANGAMON RIVER. ELEV. 706.38

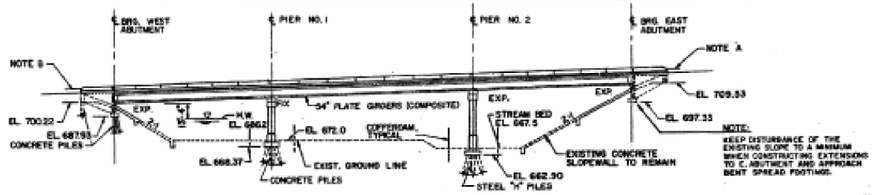
EXISTING STRUCTURES:
3 SPAN R.C. DECK, STEEL TWO-GIRDER BRIDGE ON R.C. PIERS AND ABUTMENTS WITH CONCRETE PILES. 30'-0" FACE TO FACE OF CURBS, 36'-0" OUT TO OUT OF DECK, 350'-3" BACK TO BACK OF ABUTMENTS.
EXIST. STR. NO. 010-0016(EB)

CONSTRUCT USING MEDIAN CROSSOVER MAINTAINING TWO LANES OF TRAFFIC. NO SALVAGE.

NOTE A: TRAFFIC BARRIER TERMINAL TYPE S, STD. 2340-4, AT DEPARTING END

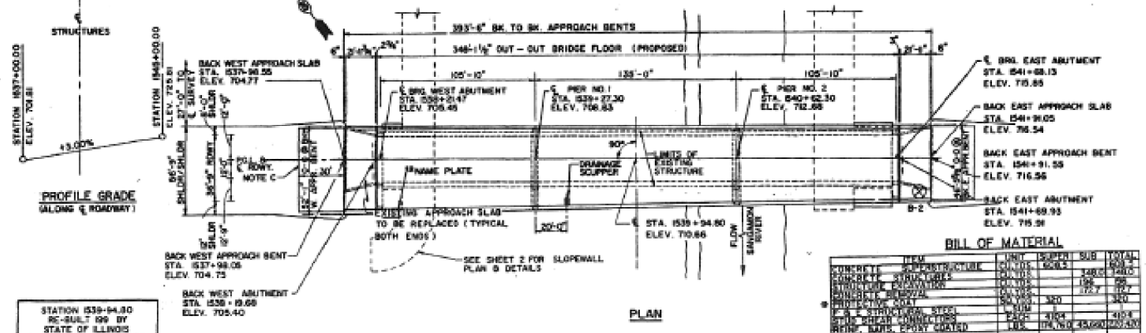
NOTE B: TRAFFIC BARRIER TERMINAL TYPE 6, STD. 2341, AT APPROACH END

NOTE C: BRIDGE APPROACH PAVEMENT STANDARD 2442. USE APPROACH PAVEMENT DRAINS (STD. 2443) AT WEST END ONLY



ELEVATION

NOTE:
KEEP DISTURBANCE OF THE EXISTING SLOPE TO A MINIMUM WHEN CONSTRUCTING EXTENSIONS TO C. ABUTMENT AND APPROACH BENT SPREAD FOOTINGS.



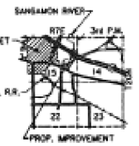
PLAN

STATION 1539+94.80
RE-BUILT 1999 BY
STATE OF ILLINOIS
F.A.I. RT. 74 SEC. 10-4BR
F.A. PROJ.
LOADING HS20 & ALT.
STRUCTURE No. 010-0017

NAME PLATE
(SEE STD. 2113)
**REMOVE, CLEAN, AND REINSTALL EXISTING NAME PLATE ADJACENT TO NEW NAME PLATE. COST INCIDENTAL TO "NAME PLATES".

WATERWAY DATA

DRAINAGE AREA= 355 SQMI.		LOW GRADE EL. 694.37				AT STA. 1532+00				
FLOOD	FREQ. YR.	Q C.F.S.	OPENING SQ. FT. EXIST.	OPENING SQ. FT. PROP.	HWE.	HEAD-FT. EXIST.	HEAD-FT. PROP.	HEADWATER EL. EXIST.	HEADWATER EL. PROP.
DESIGN	50	14,600	4,342		686.18	0.21		686.39	
BASE	100	15,400	4,636		687.14	0.26		687.40	
OVERTOPPING									
MAX. CALC.	500								



LOCATION PLAN

DESIGN SPECIFICATIONS
AASHTO 1992, AND SEISMIC RETROFITTING GUIDELINES FOR HIGHWAY BRIDGES

LOADING
HS 20-44 & ALTERNATE MILITARY, WITH ALLOWANCE FOR 25 psf FUTURE WEARING SURFACE

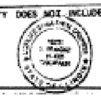
DESIGN STRESSES
(NEW CONSTRUCTION)
f'_c = 3,500 p.s.i.
f_s = 60,000 p.s.i. (REINF. BARS)
f_y = 36,000 p.s.i. (STRUCT. STEEL) ASTM A270 GR.36
f_y = 50,000 p.s.i. (STRUCT. STEEL) ASTM GR.50

DESIGN STRESSES
(EXISTING STRUCTURAL ELEMENTS TO BE REUSED)
f'_c = 1800 p.s.i.
f_s = 20,000 p.s.i. (REINF. BARS)

BILL OF MATERIAL

ITEM	UNIT	SUPER-STR.	SUB STR.	TOTAL
CONCRETE SUPERSTRUCTURE	CU.YDS.	909.3		909.3
CONCRETE SUBSTRUCTURE	CU.YDS.		348.0	348.0
STRUCTURAL EXCAVATION	CU.YDS.		196	196
FURNISHING BACKFILL	CU.YDS.		1727	1727
GRINDING DECK	SQ.YDS.	320		320
WHITEWASHING	LUMP	1		1
F & E STRUCTURAL STEEL	POUND	4104		4104
STUD SHEAR CONNECTORS	EACH	1824		1824
REINF. BARS, EPOXY COATED	LBS.	174,960	45,660	220,620
SLOPE PLATES	EACH	1		1
EXPANSION JOINT SEAL, 4"	FOOT	92		92
EXPANSION JOINT SEAL, 2"	FOOT	46		46
PERFORMED CONCRETE PILES	LUMP		595	595
DRIVING HP12x53 PILES	FOOT		595	595
TEST PILE, HP12x53	EACH		5	5
ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH		0	0
ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH		12	12
DECK SEAL SEALER	SQ.FT.		183	183
PERMANENT METAL RAILING	FOOT		670	670
FURNISHING STEEL PILES HP12x42	FOOT		630	630
DRIVING STEEL PILES HP12x42	FOOT		630	630
TEST PILE, STEEL HP12x42	EACH		1	1
CLASS SI CONCRETE	CU.YDS.	126*		126*
REINFORCEMENT BARS	POUND		181	181
CLASS I CONCRETE REMOV. MAT.	SQ.YDS.		205	205
WHITEWASH (NORTH)	EACH			
WHITEWASH (SOUTH)	EACH			
STRUCTURAL EXCAVATION	CU.YDS.		111	111
DRAINAGE SCUPPER	EACH	1		1
REMOVAL OF EXIST. SUPERSTR. No.1	EACH	1		1

* QUANTITY DOES NOT INCLUDE BRIDGE DECK SURFACE



KEITH E. BRANDAL ILLINOIS REGISTERED STRUCTURAL ENGINEER NUMBER 4928 EXPIRES NOVEMBER 30, 1994

Wednesday
DATE

GENERAL NOTES

1. FASTENERS SHALL BE HIGH STRENGTH BOLTS. BOLTS 7/8" DIAMETER, OPEN HOLES 15/16" DIAMETER, UNLESS OTHERWISE NOTED.
2. CALCULATED WEIGHT OF STRUCTURAL STEEL:
   NOTE GR. 36 = 232,800 POUNDS
   NOTE GR. 50 = 250,200 POUNDS
3. FOR [illegible] PAINT SYSTEM SHALL BE USED FOR SHOP AND FIELD PAINTING OF ALL STRUCTURAL STEEL, EXCEPT AS OTHERWISE NOTED. THE COLOR OF THE ACRYLIC FINISH COAT SHALL BE MUNSELL NO. 7.5G 4/6, INTERSTATE GREEN. SEE SPECIAL PROVISIONS FOR CLEANING AND PAINTING STEEL STRUCTURES.
4. FIELD WELDING OF CONSTRUCTION ACCESSORIES WILL NOT BE PERMITTED TO BOTTOM FLANGE OF GIRDERS NOR TO THE TOP FLANGE FOR A DISTANCE EQUAL TO ONE-FOURTH THE SPAN LENGTH EACH WAY FROM THE PIER SUPPORTS. FIELD WELDING IN OTHER AREAS WILL BE PERMITTED ONLY WHEN APPROVED BY THE ENGINEER.
5. ANCHOR BOLTS SHALL BE SET BEFORE BOLTING CROSS FRAMES OVER SUPPORTS.
6. THE STRUCTURAL STEEL BEARING PLATES OF THE ELASTOMERIC BEARING ASSEMBLY SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 270 GRADE 50.
7. THE MAIN LOAD CARRYING MEMBER COMPONENTS SUBJECT TO TENSILE STRESS SHALL CONFORM TO THE SUPPLEMENTAL REQUIREMENTS FOR HIGH TOUGHNESS ZONE 2. THESE COMPONENTS ARE THE TENSION FLANGES, WEBS AND ALL SPLICE PLATE MATERIAL EXCEPT FILL PLATES.
8. REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31, M-42 OR M-53 GRADE 60.
9. LAYOUT OF SLOPE PROTECTION SYSTEM MAY BE VARIED IN THE FIELD TO SUIT GROUND CONDITIONS AS DIRECTED BY THE ENGINEER.
10. PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO MINIMAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD 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 THE SCOPE OF THE WORK, HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
11. BEARING SEAT SURFACES SHALL BE CONSTRUCTED OR ADJUSTED TO THE DESIGNATED ELEVATIONS WITHIN A TOLERANCE OF 1/8 INCH. ADJUSTMENT SHALL BE MADE EITHER BY GROUNDING THE SURFACE OR BY SHIMMING THE BEARING. TWO 1/8 INCH ADJUSTING SHIMS, OF THE DIMENSIONS OF THE BOTTOM BEARING PLATE, SHALL BE PROVIDED FOR EACH BEARING IN ADDITION TO ALL OTHER PLATES OR SHIMS. FOR TYPE II ELASTOMERIC BEARINGS, SHIMS OF THE DIMENSIONS OF THE TOP PLATE SHALL BE PROVIDED AND PLACED AS DETAILED.
12. THE CONTRACTOR SHALL DRIVE ONE STEEL HP10X42 TEST PILE IN A PERMANENT LOCATION AT PIER NO. 2, AND ONE CONCRETE TEST PILE IN A PERMANENT LOCATION AT EACH OF THE WEST APPROACH BENT, THE WEST ABUTMENT, AND PIER NO. 1 AS DIRECTED BY THE ENGINEER BEFORE ORDERING THE FABRICATION OF PILES.
13. BRIDGE SEAT SEALER SHALL BE APPLIED TO SEAT AREA OF THE ABUTMENTS.
14. SLOPE WALL SHALL BE REINFORCED WITH WELDED WIRE FABRIC 6" X 6" - W4.0 X W4.0, WEIGHING 58 LBS. PER 100 SQ.FT.
15. THE COST OF DRILLING AND EPOXY GROUTING REINFORCEMENT BARS SHALL BE INCIDENTAL TO REINFORCEMENT BARS, EPOXY COATED.

APPROVED
FOR HIGHWAY USE ONLY
Bight S. Burnam

REV. NO.	DESCRIPTION	BY	DATE	APPROVAL

GENERAL PLAN AND ELEVATION

FAI RT 74 SEC. 10-4BR
OVER SANGAMON RIVER
CHAMPAIGN COUNTY
STA. 1539+94.80

STR. NO. 010-0016 (EB)

BRG. PROJECT NO. 034-9002
SHEET PROJECT NO.
DRAWING NO.

BIC
BLAKE, ILLIG & CURRAN ASSOCIATES, INC.
ENGINEERS & CONSULTANTS

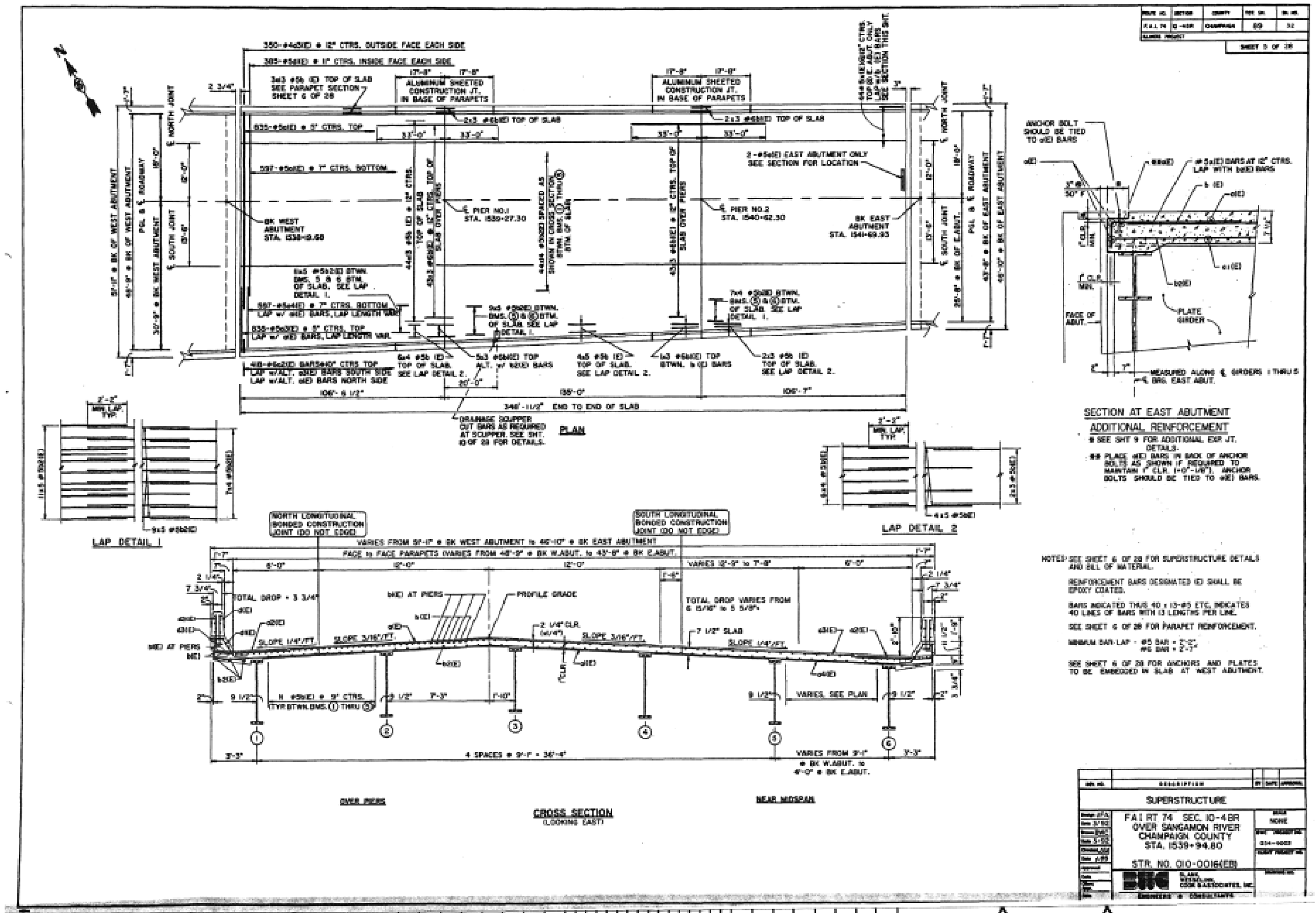
FILE NAME =	USER NAME = carrollrt	DESIGNED - R. CARROLL	REVISED - JMS 081314
p:\\IL084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 5\Projects\D5787\DRAWINGData\Structure\65-sht-Repair.dgn		DRAWN - R. CARROLL	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -		REVISED -
PLOT DATE = 8/13/2015	DATE -		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
S.N. 010-0016 & 010-0017

SCALE: | SHEET NO. 2 OF 7 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	86
		CONTRACT NO. 70765		
	ILLINOIS FED. AID PROJECT			



FILE NAME =	USER NAME = carrollrt	DESIGNED - R. CARROLL	REVISED - JMS 081314
pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D57...Data\Struc...5-sht-Repa...		DRAWN - R. CARROLL	REVISED -
	PLOT SCALE = 40.0001 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

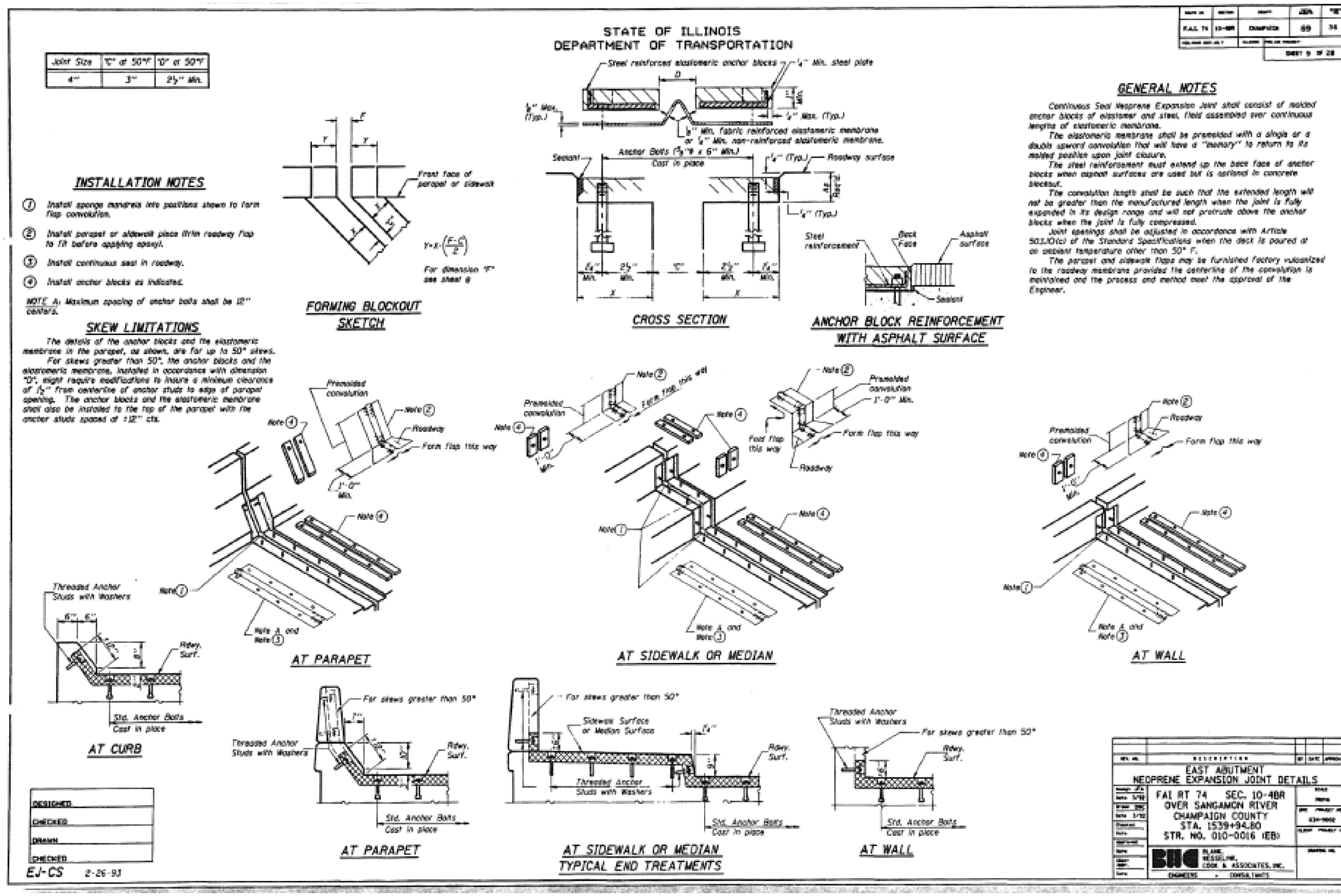
AS-BUILTS
S.N. 010-0016 & 010-0017

SCALE: | SHEET NO. 3 OF 7 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	87

CONTRACT NO. 70765

ILLINOIS FED. AID PROJECT


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SHEET 9 OF 28
Joint Size | "C" at 50°F | "D" at 50°F
4" | 3" | 2½" Min.
INSTALLATION NOTES
① Install sponge mandrels into positions shown to form flap convolution.
② Install parapet or sidewalk piece (trim roadway flap to fit before applying epoxy).
③ Install continuous seal in roadway.
④ Install anchor blocks as indicated.
NOTE A: Maximum spacing of anchor bolts shall be 12" centers.
SKEW LIMITATIONS
The details of the anchor blocks and the elastomeric membrane in the parapet, as shown, are for up to 50° skews.
For skews greater than 50°, the anchor blocks and the elastomeric membrane, installed in accordance with dimension "D", might require modifications to insure a minimum clearance of 1½" from centerline of anchor studs to edge of parapet opening. The anchor blocks and the elastomeric membrane shall also be installed to the top of the parapet with the anchor studs spaced at ±12" cts.
FORMING BLOCKOUT SKETCH
Front face of parapet or sidewalk
For dimension "F" see sheet 6
Steel reinforced elastomeric anchor blocks
¼" Min. steel plate
Anchor Bolts
Cast in place
Sealant
Roadway surface
CROSS SECTION
Steel reinforcement
Back Face
Asphalt surface
Sealant
ANCHOR BLOCK REINFORCEMENT WITH ASPHALT SURFACE
GENERAL NOTES
Continuous Seal Neoprene Expansion Joint shall consist of molded anchor blocks of elastomer and steel, field assembled over continuous lengths of elastomeric membrane.
The elastomeric membrane shall be premolded with a single or a double upward convolution that will have a "memory" to return to its molded position upon joint closure.
The steel reinforcement must extend up the back face of anchor blocks when asphalt surfaces are used but is optional in concrete blockout.
The convolution length shall be such that the extended length will not be greater than the manufactured length when the joint is fully expanded in its design range and will not protrude above the anchor blocks when the joint is fully compressed.
Joint openings shall be adjusted in accordance with Article 503.10(c) of the Standard Specifications when the deck is poured at an ambient temperature other than 50° F.
The parapet and sidewalk flaps may be furnished factory vulcanized to the roadway membrane provided the centerline of the convolution is maintained and the process and method meet the approval of the Engineer.
Premolded convolution
Roadway
Form flap this way
AT PARAPET
AT SIDEWALK OR MEDIAN
AT WALL
Threaded Anchor Studs with Washers
Rdwy. Surf.
Std. Anchor Bolts Cast in place
AT CURB
For skews greater than 50°
Sidewalk Surface or Median Surface
AT PARAPET
AT SIDEWALK OR MEDIAN
TYPICAL END TREATMENTS
AT WALL
DESIGNED
CHECKED
DRAWN
CHECKED
EJ-CS 2-26-93
EAST ABUTMENT
NEOPRENE EXPANSION JOINT DETAILS
FAI RT 74 SEC. 10-4BR
OVER SANGAMON RIVER
CHAMPAIGN COUNTY
STA. 1539+94.80
STR. NO. 010-0016 (EB)
BLANE, HESSELINK, COOK & ASSOCIATES, INC.
ENGINEERS • CONSULTANTS

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D57...	USER NAME = carrollrt	DESIGNED - R. CARROLL	REVISED - JMS 081314
		DRAWN - R. CARROLL	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
S.N. 010-0016 & 010-0017

SCALE: | SHEET NO. 4 OF 7 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	88

CONTRACT NO. 70765

ILLINOIS FED. AID PROJECT

ROUTE NO.	SECTION	COUNTY	TOT. SH.	SH. NO.
FAI 74	10-4RS	CHAMPAIGN	89	5
ILLINOIS PROJECT			SHEET 1 OF 25	

TBM—CHISLED □ @ S.W. COR. S.W. WINGWALL OF WESTBOUND STRUCTURE OVER SANGAMON RIVER. ELEV. 706.38

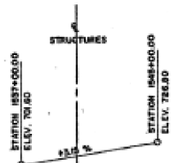
EXISTING STRUCTURES:
3 SPAN R.C. DECK, STEEL TWO-GIRDER BRIDGE ON R.C. PIERS AND ABUTMENTS WITH CONCRETE PILES. 30'-0" FACE TO FACE OF CURBS, 36'-0" OUT TO OUT OF DECK, 350'-3" BACK TO BACK OF ABUTMENTS.
EXIST. STR. NO. 010-0017(WB)

CONSTRUCT USING MEDIAN CROSSOVER MAINTAINING TWO LANES OF TRAFFIC. NO SALVAGE.

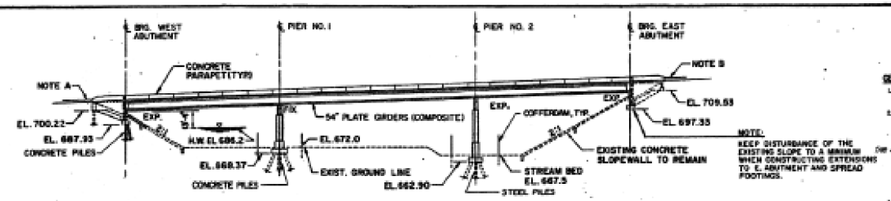
NOTE A: TRAFFIC BARRIER TERMINAL TYPE 5, STD. 2340-4, AT DEPARTING END

NOTE B: TRAFFIC BARRIER TERMINAL TYPE 6, STD. 2346, AT APPROACH END

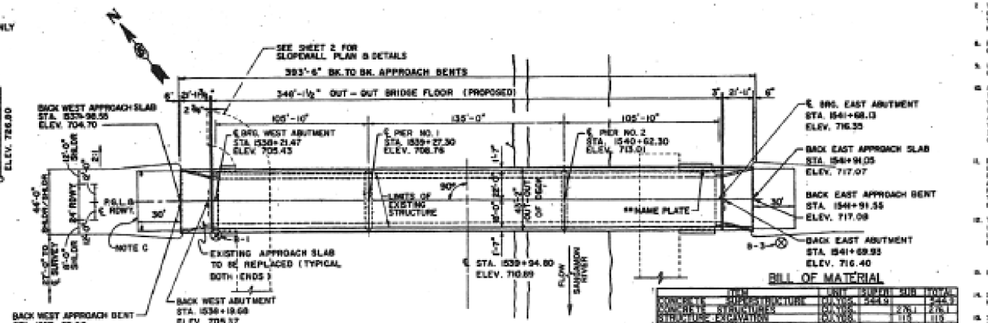
NOTE C: BRIDGE APPROACH PAVEMENT STANDARD 2442. USE APPROACH PAVEMENT DRAINS (STD. 2443) AT WEST END ONLY



PROFILE GRADE
(ALONG ℄ ROADWAY)



ELEVATION
WESTBOUND LANES



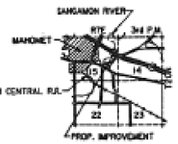
PLAN

STATION 1539+94.80
RE-BUILT 1999 BY
STATE OF ILLINOIS
F.A.I. RT. 74 SEC. 10-4RS
F.A. PROJ.
LOADING HS20 & M.T.
STRUCTURE No. 010-0017

NAME PLATE
(SEE STD. 2131)
**REMOVE, CLEAN, AND REINSTALL EXISTING NAME PLATE ADJACENT TO NEW NAME PLATE. COST INCIDENTAL TO "NAME PLATES".

WATERWAY DATA

DRAINAGE AREA= 359 SQ.MI.			LOW GRADE EL. 694.37			AT STA. 1532+00			
FLOOD	FREQ. YR.	Q C.F.S.	OPENING SQ. FT. EXIST.	OPENING SQ. FT. PROP.	NAT. H.W.E.	HEAD-FT. EXIST.	HEAD-FT. PROP.	HEADWATER EL. EXIST.	HEADWATER EL. PROP.
DESIGN	50	14,100	4,342		686.18	0.21		686.39	
BASE	100	15,400	4,636		687.24	0.25		687.40	
OVERTOPPING									
MAX. CALC.	500								



LOCATION PLAN

DESIGN SPECIFICATIONS
AASHTO 1992 AND SEISMIC RETROFITTING GUIDELINES FOR HIGHWAY BRIDGES.

LOADING
HS 20-44 & ALTERNATE MILITARY, WITH ALLOWANCE FOR 25 psf FUTURE WEARING SURFACE

DESIGN STRESSES
(NEW CONSTRUCTION)
f'c = 3,500 p.s.i.
fy = 60,000 p.s.i. (REINF. BARS)
fy = 36,000 p.s.i. (STRUCT. STEEL) M270 GR.36
fy = 50,000 p.s.i. (STRUCT. STEEL) M270 GR.50

DESIGN STRESSES
(EXISTING STRUCTURAL ELEMENTS TO BE REUSED)
fc = 1,400 p.s.i.
fs = 20,000 p.s.i. (REINF. BARS)

BILL OF MATERIAL

ITEM	UNIT	SUPERSTR.	SUB	TOTAL
CONCRETE SUPERSTRUCTURE	CU.YDS.	244.9		244.9
CONCRETE STRUCTURES	CU.YDS.		216.1	216.1
CONCRETE SLOPEWALL	CU.YDS.		11.0	11.0
REINFORCEMENT BARS	POUNDS		155.6	155.6
REINFORCEMENT BARS, EPOXY COATED	POUNDS	3,210		3,210
H.P. 10"x42" STRUCTURAL STEEL	L.BAR			
BRIDGE BEARING CONNECTIONS	EACH	1236		1236
REINF. BARS, EPOXY COATED	LBS.	1,000,000	34,900	35,900
NAME PLATES	EACH			1
PREFORMED JOINT SEAL 4"	POST	43		43
NEOPRENE EXPANSION JOINT 4"	POST	42		42
FURNISHING CONCRETE PILES	POST		62	62
DRIVING CONCRETE PILES	POST		62	62
TEST PILE CONCRETE	EACH		2	2
ELASTOMERIC BEARING ASSEMBLY, TYPE 7	EACH		6	6
ELASTOMERIC BEARING ASSEMBLY, TYPE 8	EACH		12	12
REMOVAL OF EXISTING SUPERSTRUCTURE NO. 2	EACH	1		1
BRIDGE SEAT SEALER	SQ.FT.		158	158
PERMANENT BENCH MARK	EACH		1	1
FURNISHING STEEL PILES HP 10x42	POST		360	360
DRIVING STEEL PILES	POST		360	360
TEST PILE STEEL HP 10x42	EACH		1	1
BRIDGE DECK GROOVING	SQ.YDS.	1547		1547
SLOPEWALL REMOVAL	SQ.YDS.		182	182
FABRIC FORMED CONC. REVET MAT	SQ.YDS.		205	205
COFFERDAM (PIER 1)	EACH		1	1
COFFERDAM (PIER 2)	EACH		1	1
COFFERDAM EXCAVATION	CU.YDS.		89	89

* QUANTITY DOES NOT INCLUDE BRIDGE DECK SURFACE.

GENERAL NOTES

1. FASTENERS SHALL BE HIGH STRENGTH BOLTS. BOLTS 7/8" DIAMETER, OPEN HOLES 13/16" DIAMETER, UNLESS OTHERWISE NOTED.
2. CALCULATED WEIGHT OF STRUCTURAL STEEL:
   BETD GR. 36 = 222,250 POUNDS
   BETD GR. 50 = 83,100 POUNDS
   [illegible] SHALL BE USED FOR SHOP AND FIELD PAINTING OF NEW CONSTRUCTION, UNLESS OTHERWISE NOTED. THE COLOR OF THE ACRYLIC FINISH COAT SHALL BE MUNSELL NO. 7.5G 4/6, INTERSTATE GREEN. SEE SPECIAL PROVISIONS.
4. FIELD WELDING OF CONSTRUCTION ACCESSORIES WILL NOT BE PERMITTED TO BOTTOM FLANGE OF GIRDERS NOR TO THE TOP FLANGE FOR A DISTANCE EQUAL TO ONE-FOURTH THE SPAN LENGTH EACH WAY FROM THE PIER SUPPORTS. FIELD WELDING IN OTHER AREAS WILL BE PERMITTED ONLY WHEN APPROVED BY THE ENGINEER.
5. ANCHOR BOLTS SHALL BE SET BEFORE BOLTING CROSS FRAMES OVER SUPPORTS.
6. THE STRUCTURAL STEEL BEARING PLATES OF THE ELASTOMERIC BEARING ASSEMBLY SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 270 GRADE 50.
7. THE MAIN LOAD CARRYING MEMBER COMPONENTS SUBJECT TO TENSILE STRESS SHALL CONFORM TO THE SUPPLEMENTAL REQUIREMENTS FOR NOTCH TOUGHNESS ZONE 2. THESE COMPONENTS ARE THE TENSION FLANGES, WEBS AND ALL SPLICE PLATE MATERIAL EXCEPT FILL PLATES.
8. REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M-31, M-42 OR M-53 GRADE 60.
9. LAYOUT OF SLOPE PROTECTION SYSTEM MAY BE MADE IN THE FIELD TO SUIT GROUND CONDITIONS AS DIRECTED BY THE ENGINEER.
10. PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NORMAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS ON THE FIELD AND MAKE NECESSARY ARRANGEMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
11. BEARING SEAT SURFACE SHALL BE CONSTRUCTED OR ADJUSTED TO THE DESIGNATED ELEVATIONS WITHIN A TOLERANCE OF 1/8 INCH. ADJUSTMENT SHALL BE MADE EITHER BY SHIMMING THE SURFACE OF BY SHIMMING THE BEARING. THE 1/8" ADJUSTING SHIMS, OF THE DIMENSIONS OF THE BOTTOM BEARING PLATE, SHALL BE PROVIDED FOR EACH BEARING IN ADDITION TO ALL OTHER PLATES OR SHIMS. FOR TYPE 1 ELASTOMERIC BEARINGS, SHIMS OF THE DIMENSIONS OF THE TOP PLATE SHALL BE PROVIDED AND PLACED AS DETAILED.
12. THE CONTRACTOR SHALL DRIVE ONE STEEL HP10X42 TEST PILE AT A PERMANENT LOCATION AT PIER NO. 2, AND ONE CONCRETE TEST PILE IN A PERMANENT LOCATION AT EACH OF THE WEST ABUTMENT AND PIER NO. 1 AS DIRECTED BY THE ENGINEER BEFORE ORDERING THE REMAINDER OF PILES.
13. GREASE SEAT SEALER SHALL BE APPLIED TO SEAT AREA OF THE ABUTMENTS.
14. SLOPE WALL SHALL BE REINFORCED WITH WELDED WIRE FABRIC 6" X 6" – W4.0 X W4.0, WEIGHING 58 LBS. PER 100 SQ.FT.
15. THE COST OF DRILLING AND EPOXY GROUTING REINFORCEMENT BARS SHALL BE INCIDENTAL TO REINFORCEMENT BARS, EPOXY COATED.

APPROVED
[illegible]

NO.	DESCRIPTION	BY	DATE	APPROVAL

GENERAL PLAN AND ELEVATION
FAI RT 74 SEC. 10-4RS
OVER SANGAMON RIVER
CHAMPAIGN COUNTY
STA. 1539+94.80
STR. NO. 010-0017 (WB)

[redacted]
[illegible] AND WEIDELING
CODE & ASSOCIATES, INC.
ENGINEERS & CONSULTANTS

KEITH E. BRANDAL ILLINOIS REGISTERED STRUCTURAL ENGINEER NUMBER 40015
EXPIRES: NOVEMBER 30, 1994
DATE

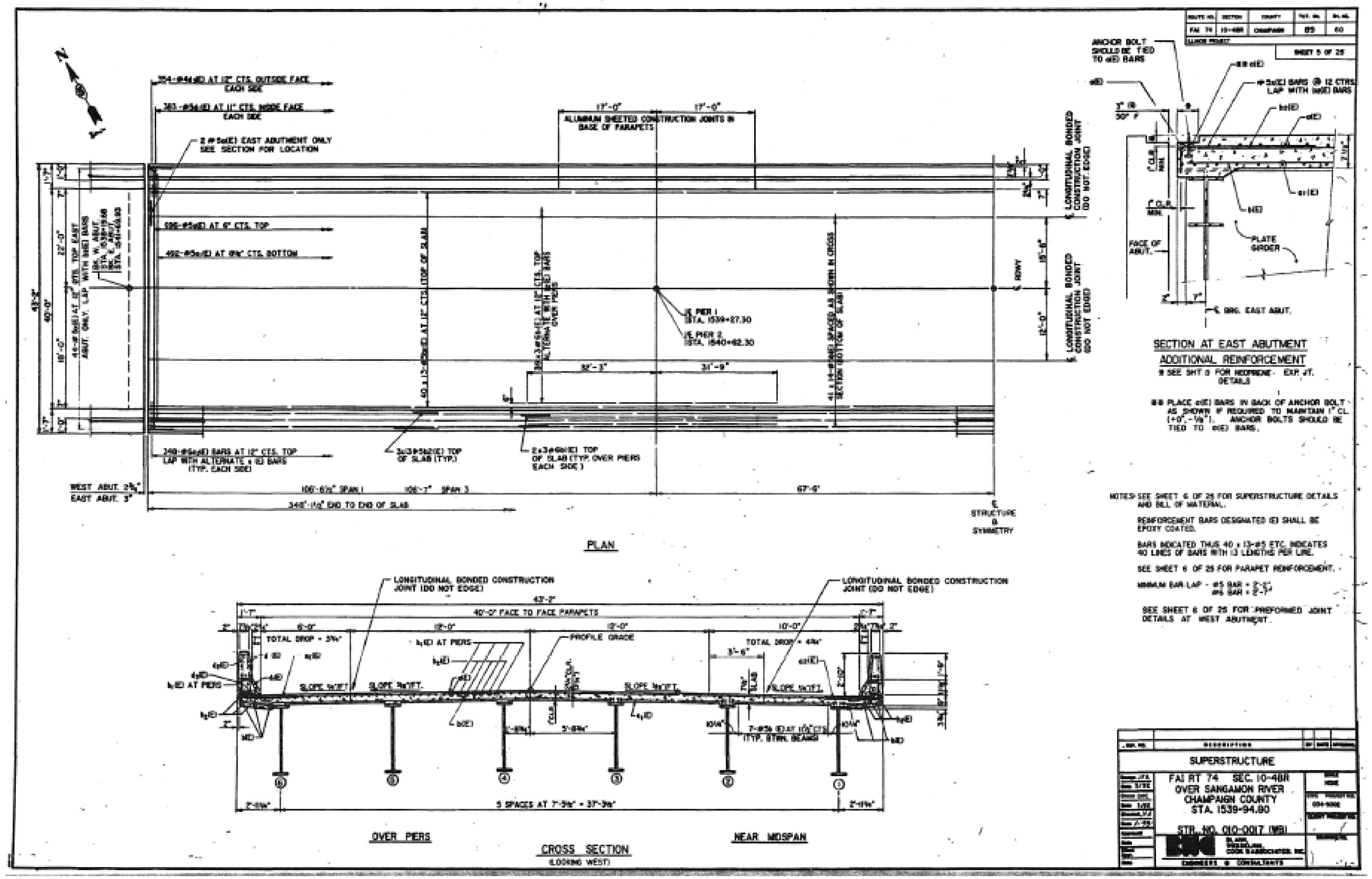
FILE NAME =	USER NAME = carrollrt	DESIGNED - R. CARROLL	REVISED - JMS 081314
pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D5707\DRAWING\Data\Structure\2015-sht-Repair		DRAWN - R. CARROLL	REVISED -
	PLOT SCALE = 40.0001 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
S.N. 010-0016 & 010-0017

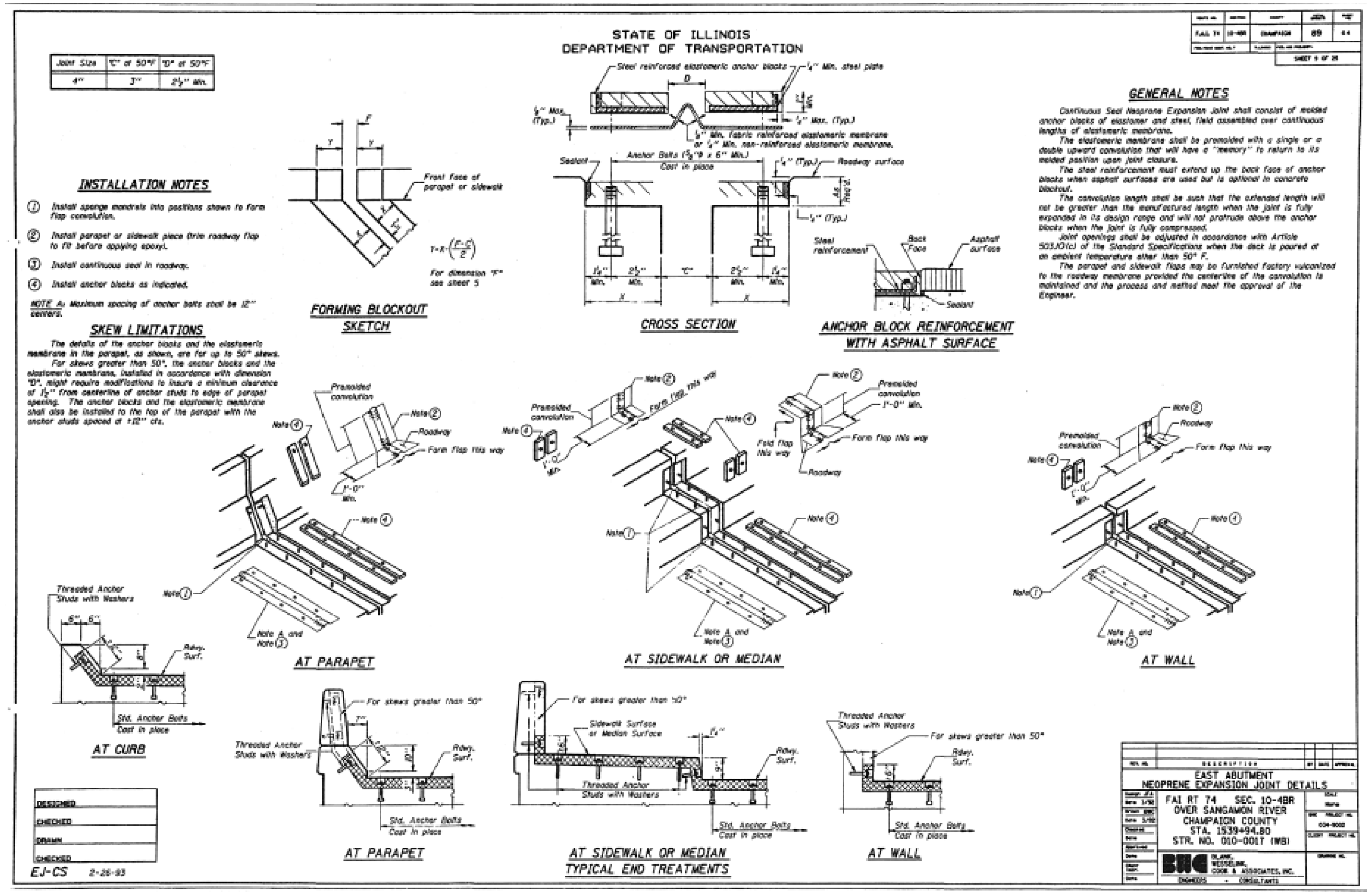
SCALE: | SHEET NO. 5 OF 7 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	89
		CONTRACT NO. 70765		
	ILLINOIS FED. AID PROJECT			



FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D5 ... Data\Struc ... 5-sht-Repa ...	USER NAME = carrollrt	DESIGNED - R. CARROLL	REVISED - JMS 081314	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	AS-BUILTS S.N. 010-0016 & 010-0017
	PLOT SCALE = 40.0000 ' / in.	DRAWN - R. CARROLL	REVISED -		
	PLOT DATE = 8/13/2015	CHECKED -	REVISED -		SCALE: SHEET NO. 6 OF 7 SHEETS STA. TO STA.
		DATE -	REVISED -		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	90
		CONTRACT NO. 70765		
	ILLINOIS FED. AID PROJECT			



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
Joint Size | "C" at 50°F | "D" at 50°F
4" | 3" | 2½" Min.
INSTALLATION NOTES
① Install sponge mandrels into positions shown to form flap convolution.
② Install parapet or sidewalk piece (trim roadway flap to fit before applying epoxy).
③ Install continuous seal in roadway.
④ Install anchor blocks as indicated.
NOTE A: Maximum spacing of anchor bolts shall be 12" centers.
SKEW LIMITATIONS
The details of the anchor blocks and the elastomeric membrane in the parapet, as shown, are for up to 50° skews.
For skews greater than 50°, the anchor blocks and the elastomeric membrane, installed in accordance with dimension "D", might require modifications to insure a minimum clearance of 1½" from centerline of anchor studs to edge of parapet opening. The anchor blocks and the elastomeric membrane shall also be installed to the top of the parapet with the anchor studs spaced at ±12" cts.
FORMING BLOCKOUT SKETCH
CROSS SECTION
ANCHOR BLOCK REINFORCEMENT WITH ASPHALT SURFACE
GENERAL NOTES
Continuous Seal Neoprene Expansion Joint shall consist of molded anchor blocks of elastomer and steel, field assembled over continuous lengths of elastomeric membrane.
The elastomeric membrane shall be premolded with a single or a double upward convolution that will have a "memory" to return to its molded position upon joint closure.
The steel reinforcement must extend up the back face of anchor blocks when asphalt surfaces are used but is optional in concrete blockout.
The convolution length shall be such that the extended length will not be greater than the manufactured length when the joint is fully expanded in its design range and will not protrude above the anchor blocks when the joint is fully compressed.
Joint openings shall be adjusted in accordance with Article 503.10(c) of the Standard Specifications when the deck is poured at an ambient temperature other than 50° F.
The parapet and sidewalk flaps may be furnished factory vulcanized to the roadway membrane provided the centerline of the convolution is maintained and the process and method meet the approval of the Engineer.
AT PARAPET
AT SIDEWALK OR MEDIAN
AT WALL
AT CURB
AT PARAPET
AT SIDEWALK OR MEDIAN TYPICAL END TREATMENTS
AT WALL
EJ-CS 2-26-93
EAST ABUTMENT
NEOPRENE EXPANSION JOINT DETAILS
FAI RT 74 SEC. 10-4BR
OVER SANGAMON RIVER
CHAMPAIGN COUNTY
STA. 1539+94.80
STR. NO. 010-0017 (WB)

FILE NAME =	USER NAME = carrollrt	DESIGNED - R. CARROLL	REVISED - JMS 081314
pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D5...		DRAWN - R. CARROLL	REVISED -
	PLOT SCALE = 40.0001 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILTS
S.N. 010-0016 & 010-0017

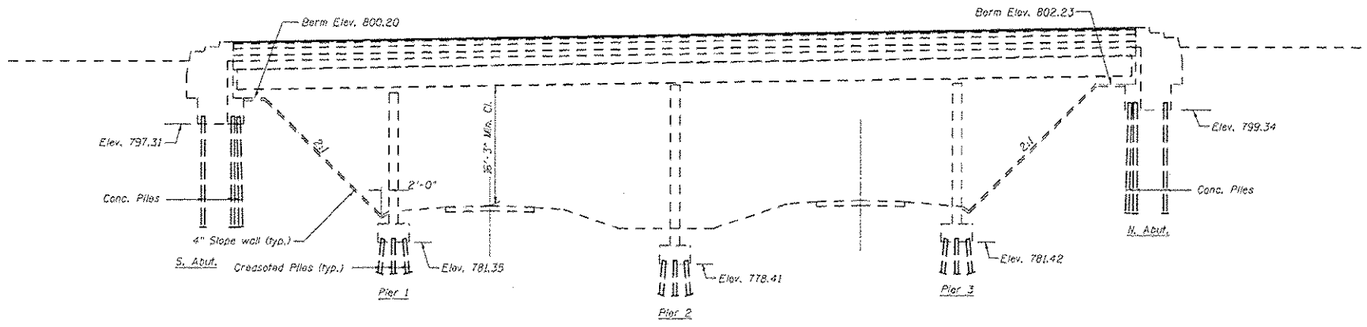
SCALE:	SHEET NO. 7 OF 7 SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	91
		CONTRACT NO. 70765		
		ILLINOIS FED. AID PROJECT		

STRUCTURE 010-0167 WAS ORIGINALLY BUILT IN 1966 AS FAI ROUTE 74, SECTION 10-5HB AT STATION 1742+74.26 BY THE STATE OF ILLINOIS.

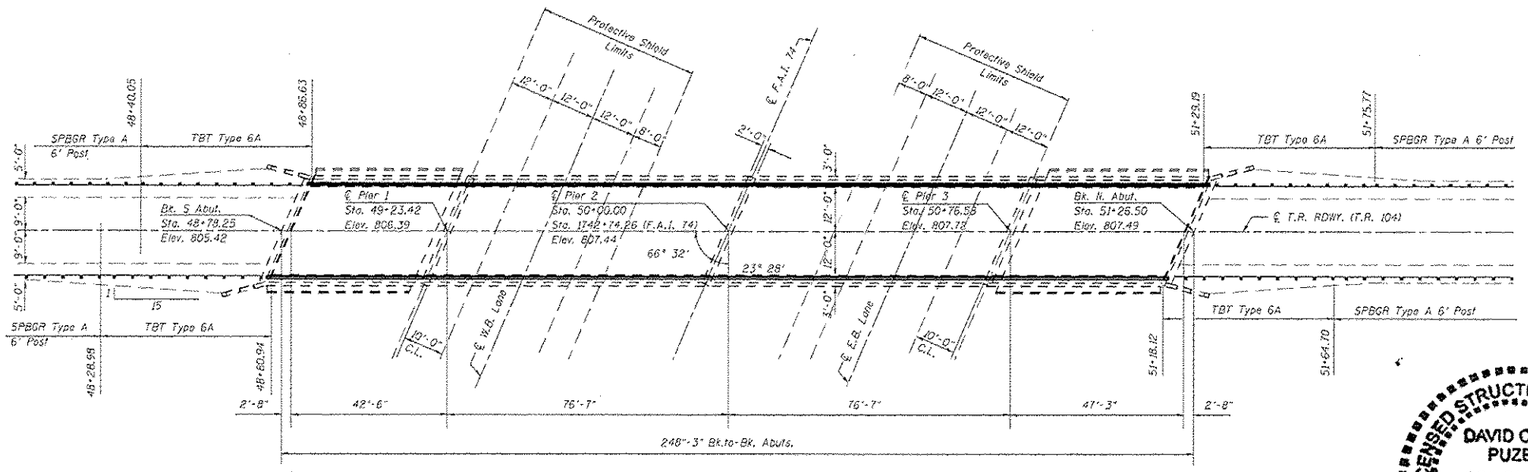
THE EXISTING STRUCTURE IS A FOUR SPAN STRUCTURE WITH A BACK-TO-BACK OF ABUTMENT LENGTH OF 248'-3". THE STRUCTURE MEASURES 24'-0" FROM FACE-TO-FACE OF SAFETY WALK AND HAS AN OUT-TO-OUT WIDTH OF 30'-0". THE STRUCTURE WAS BUILT ON A 23° 28' LEFT-FORWARD SKEW. THE SUPERSTRUCTURE CONSISTS OF FIVE STEEL GIRDERS SUPPORTING A 6½" REINFORCED CONCRETE DECK. THE SUPERSTRUCTURE IS SUPPORTED BY PILE ABUTMENTS AND PIERS. THE SLOPES ARE PROTECTED WITH CONCRETE SLOPE WALLS.

METHOD OF CONSTRUCTION: ROAD CLOSURE



ELEVATION

• ELEVATIONS TAKEN FROM AS-BUILT PLANS AND ARE SHOWN FOR PERSPECTIVE ONLY.



PLAN VIEW

GENERAL NOTES

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 work. However, the Contractor will be paid for the quantity actually furnished at the unit price for the work.

Reinforcement bars designated (E) shall be epoxy coated.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

All structural steel shall conform to AASHTO Classification M-270 Grade 36, unless otherwise noted.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete Removal.

See Special Provision "Deck Slab Repair" for additional requirements pertaining to Deck Slab Repair.

Areas of Deck Slab Repairs shown are estimated. The Engineer shall show actual locations of the deck repairs on As-Built plans.

PROPOSED WORK

1. *Remove and replace select deck drains.*
2. *Partial depth patching on existing deck.*
3. *Place Steel Railing, Type 2399*
4. *Remove and replace existing guardrail and terminals.*

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Protective Shield	Sq Yd.	175.0
Deck Slab Repair Partial Depth	Sq Yd	15.0
Deck Slab Repair (Full-Depth, Type I)	Sq Yd.	4.0
Deck Slab Repair (Full-Depth, Type II)	Sq. Yd.	18.0
Floor Drains	Each	10.0
Steel Rail Type 2399	Foot	491.0

LICENSED STRUCTURAL ENGINEER
DAVID CARL PUZEY
081-005470
SPRINGFIELD ILLINOIS
STATE OF ILLINOIS

D. Carl Puzey 9/21/15
Expires 11/30/16

FILE NAME = pw:\\IL864ERIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D5707...	USER NAME = carrollrs	DESIGNED - JMS	REVISED -
		DRAWN - Data\Structure\JMS\D570765-sht-Repa...	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - SMR	REVISED -
	PLOT DATE = 8/12/2015	DATE -	REVISED -

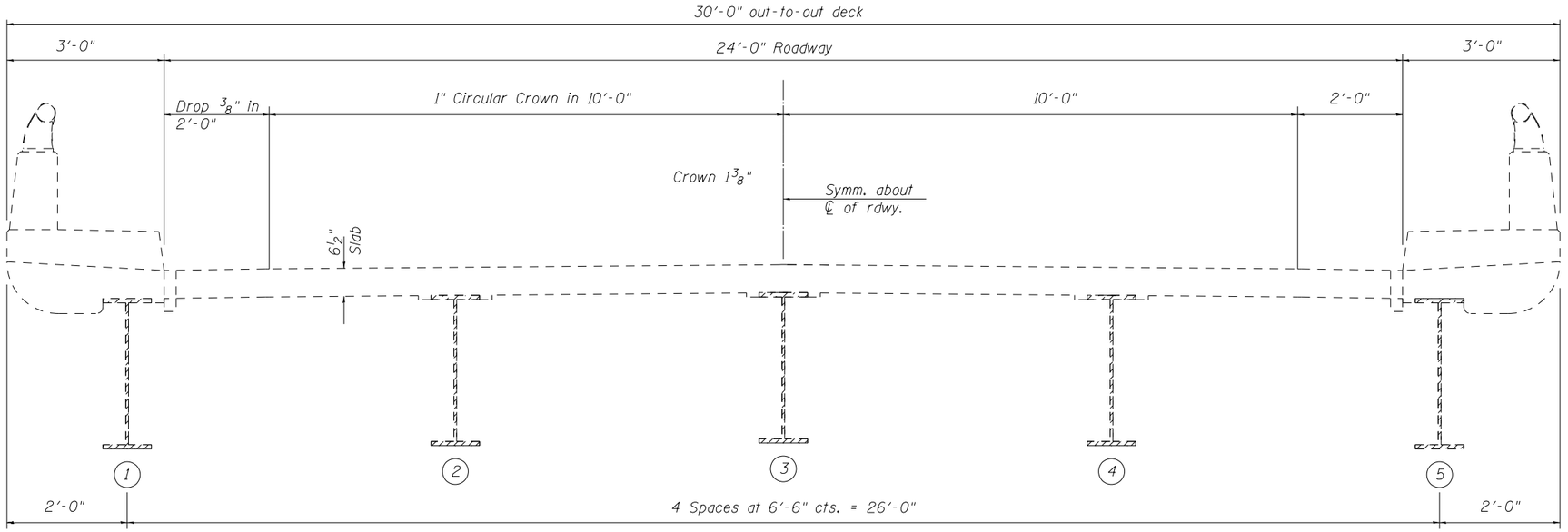
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
S.N. 010-0167

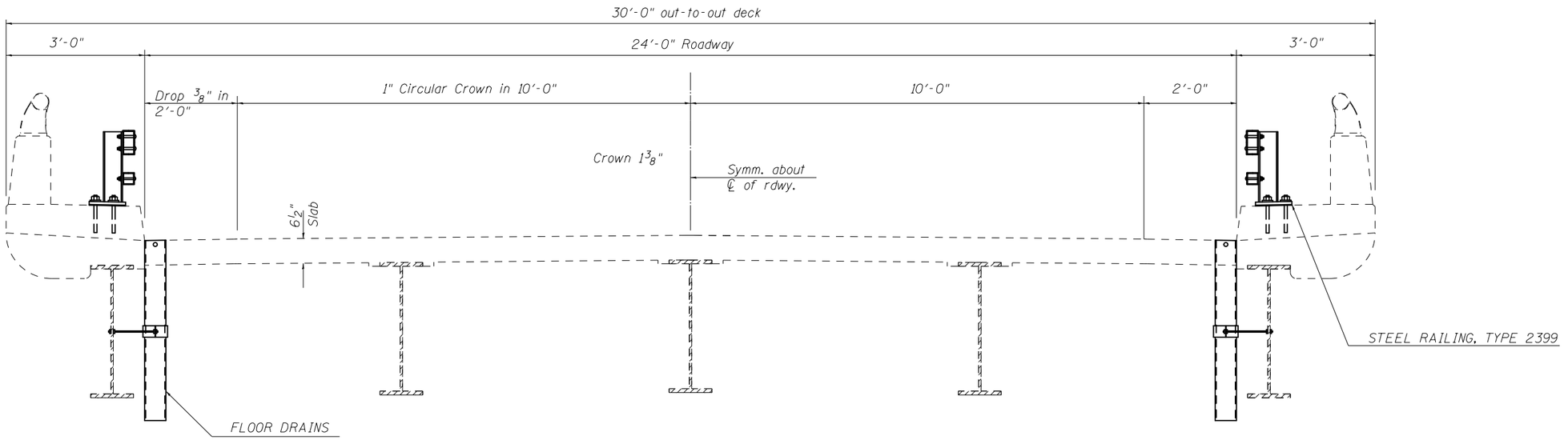
SCALE: 1" = 20' | SHEET NO. 1 OF 10 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	92
		CONTRACT NO. 70765		
		ILLINOIS FED. AID PROJECT		

EXISTING TYPICAL CROSS SECTION
S.N. 010–0167



PROPOSED TYPICAL CROSS SECTION
S.N. 010–0167



FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DRAWNData\Structures\D570765-sht-Repair Revised	USER NAME = carrollrt	DESIGNED - JMS	REVISED -
		DRAWN - JMS	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

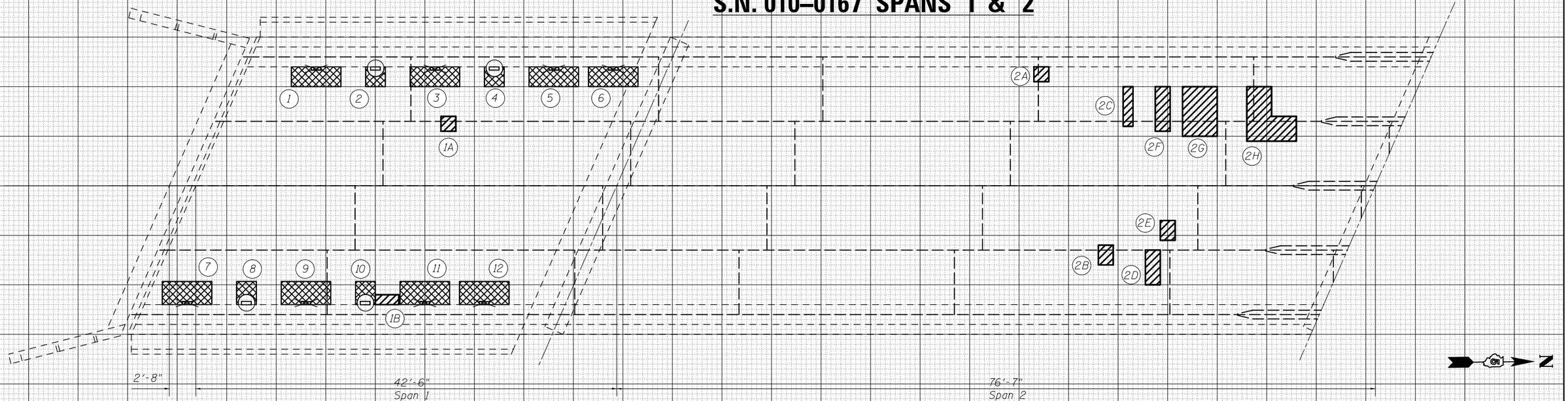
TYPICAL CROSS-SECTIONS
S.N. 010–0167

SCALE: | SHEET NO. 2 OF 10 SHEETS | STA. | TO STA.

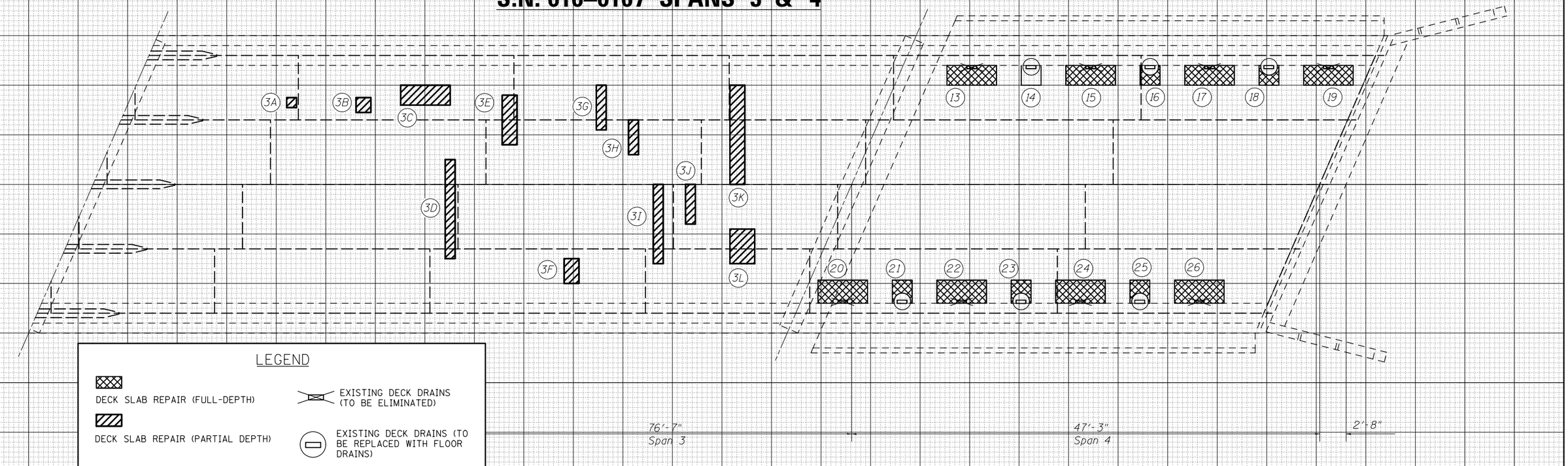
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	93
		CONTRACT NO. 70765		
		ILLINOIS FED. AID PROJECT		

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

S.N. 010–0167 SPANS 1 & 2



S.N. 010–0167 SPANS 3 & 4



LEGEND

- DECK SLAB REPAIR (FULL-DEPTH)
- DECK SLAB REPAIR (PARTIAL DEPTH)
- EXISTING DECK DRAINS (TO BE ELIMINATED)
- EXISTING DECK DRAINS (TO BE REPLACED WITH FLOOR DRAINS)

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

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\CAD\Structures\D5M3765-sht-RepairPlans.dgn	USER NAME = carrollrt	DESIGNED - JMS	REVISED -
		DRAWN - JMS	REVISED -
$MODELNAME$	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN OF BRIDGE DECK PATCHING
S.N. 010–0167

SCALE: 1" = 5' | SHEET 3 OF 10 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	94
		CONTRACT NO. 70765		
		ILLINOIS FED. AID PROJECT		

PATCH NO.	SIZE LENGTH (FT)	SIZE WIDTH (FT)	DECK SLAB REPAIR (PARTIAL DEPTH) SQ YD
1A	1.5	1.5	0.3
1B	2.5	1	0.3
2A	1.5	1.5	0.3
2B	1.5	2	0.3
2C	1	4	0.4
2D	1.5	3.5	0.6
2E	1.5	2	0.3
2F	1.5	4.5	0.8
2G	2.5	3	0.8
2G	2.5	5	1.4
3A	1	1	0.1
3B	1.5	1.5	0.3
3C	5	2	1.1
3D	1	10	1.1
3E	1.5	5	0.8
3G	1	4.5	0.5
3F	1.5	2.5	0.4
		SUB-TOTAL =	9.8

PATCH NO.	SIZE LENGTH (FT)	SIZE WIDTH (FT)	DECK SLAB REPAIR (PARTIAL DEPTH) SQ YD
3H	1	3.5	0.4
3I	1	8	0.9
3J	1	4	0.4
3K	1.5	10	1.7
3L	2.5	3.5	1.0
		SUB-TOTAL =	4.4
		TOTAL =	14.2
		USE =	15.0

PATCH NO.	SIZE LENGTH (FT)	SIZE WIDTH (FT)	DECK SLAB REPAIR (FULL DEPTH T1) SQ YD	DECK SLAB REPAIR (FULL DEPTH T2) SQ YD
1	5	2		1.1
2	2	2	0.4	
3	5	2		1.1
4	2	2	0.4	
5	5	2		1.1
6	5	2		1.1
7	5	2		1.1
8	2	2	0.4	
9	5	2		1.1
10	2	2	0.4	
11	5	2		1.1
12	5	2		1.1
13	5	2		1.1
14	2	2	0.4	
15	5	2		1.1
16	2	2	0.4	
17	5	2		1.1
		SUB-TOTAL =	2.4	12.1

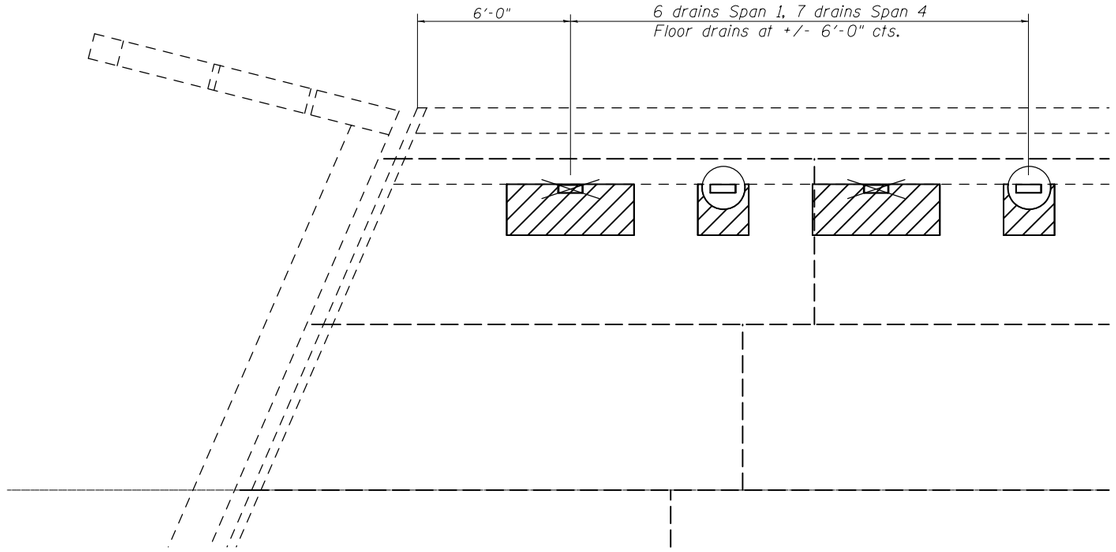
PATCH NO.	SIZE LENGTH (FT)	SIZE WIDTH (FT)	DECK SLAB REPAIR (FULL DEPTH T1) SQ YD	DECK SLAB REPAIR (FULL DEPTH T2) SQ YD
18	2	2	0.4	
19	5	2		1.1
20	5	2		1.1
21	2	2	0.4	
22	5	2		1.1
23	2	2	0.4	
24	5	2		1.1
25	2	2	0.4	
26	5	2		1.1
		SUB-TOTAL =	1.6	5.5
		TOTAL =	4.0	17.6
		USE =	4.0	18.0

SCHEDULE NOTE:

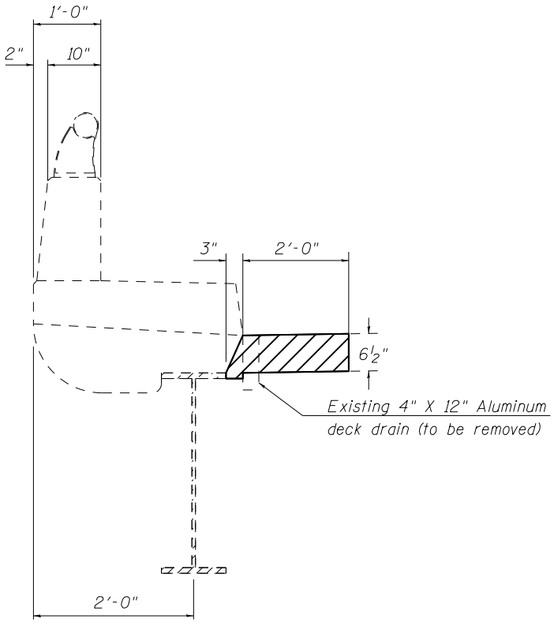
DECK SURVEY PERFORMED ON AUGUST 6, 2013. IF MORE THAT ONE WITHER FREEZE-THAW CYCLE OCCURS BETWEEN THE INITIAL INSPECTION AND THE COMMENCEMENT OF WORK, THE FINAL PLAN QUANTITIES FOR DECK REPAIRS MUST BE BASED ON NEW INSPECTION OF THE DECK.

BILL OF MATERIALS

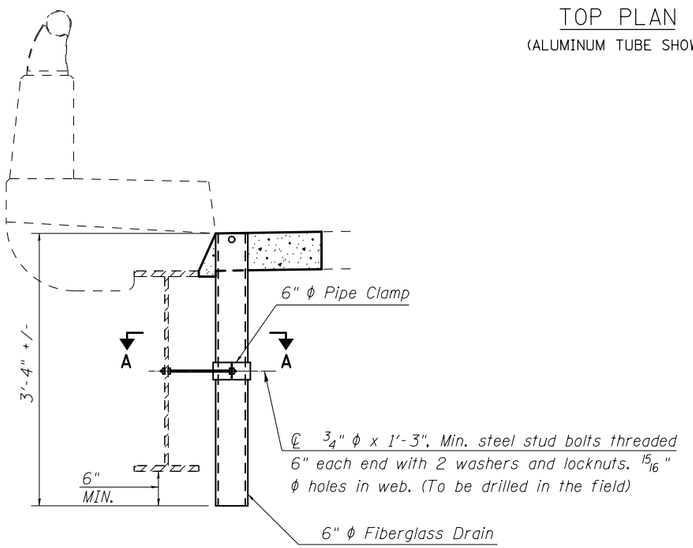
ITEM	UNIT	TOTAL
DECK SLAB REPAIR (PARTIAL)	SQ YD	15.0
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	4.0
DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	18.0



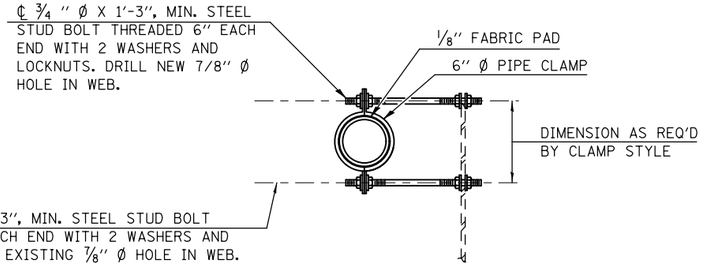
PLAN VIEW OF DRAINS
TYPICAL



SECTION AT
EXISTING DRAIN

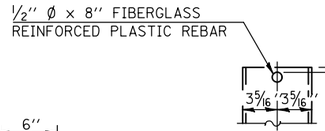


SECTION AT
PROPOSED DRAIN

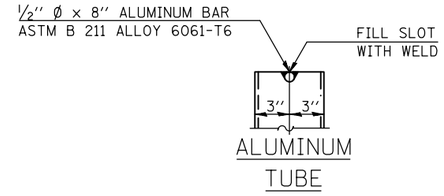


SECTION A-A

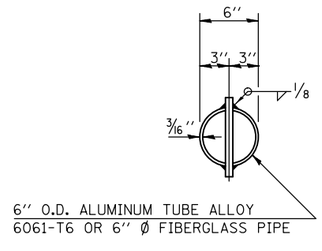
SHOWING PIPE CLAMP
ANCHORAGE STYLE



FIBERGLASS
PIPE

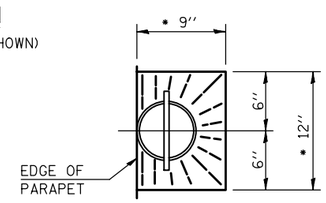


ALUMINUM
TUBE



6" O.D. ALUMINUM TUBE ALLOY
6061-T6 OR 6" ϕ FIBERGLASS PIPE

TOP PLAN
(ALUMINUM TUBE SHOWN)



TOP PLAN
* SLOPE TO DRAIN

LEGEND

- EXISTING DECK DRAINS (TO BE REPLACED WITH FLOOR DRAINS)
- EXISTING DECK DRAINS (TO BE ELIMINATED)
- DECK SLAB REPAIR (FULL DEPTH, TYPE I)

NOTES:

FLOOR DRAINS NEED NOT BE PAINTED.

FIBERGLASS PIPE SHALL CONFORM TO ASTM D 2996, WITH SHORT-TIME RUPTURE STRENGTH HOOP TENSILE STRESS OF 30,000 P.S.I. MINIMUM.

GALVANIZE CLAMPING DEVICE AND ALL STUD BOLTS, WASHERS AND NUTS ACCORDING TO AASHTO M232.

ALL DIMENSIONS SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO ORDERING OF MATERIALS.

BILL OF MATERIALS

ITEM	UNIT	TOTAL
FLOOR DRAINS	EACH	10.0

COST OF REMOVAL OF EXISTING DRAINS IS INCLUDED IN DECK SLAB REPAIR.

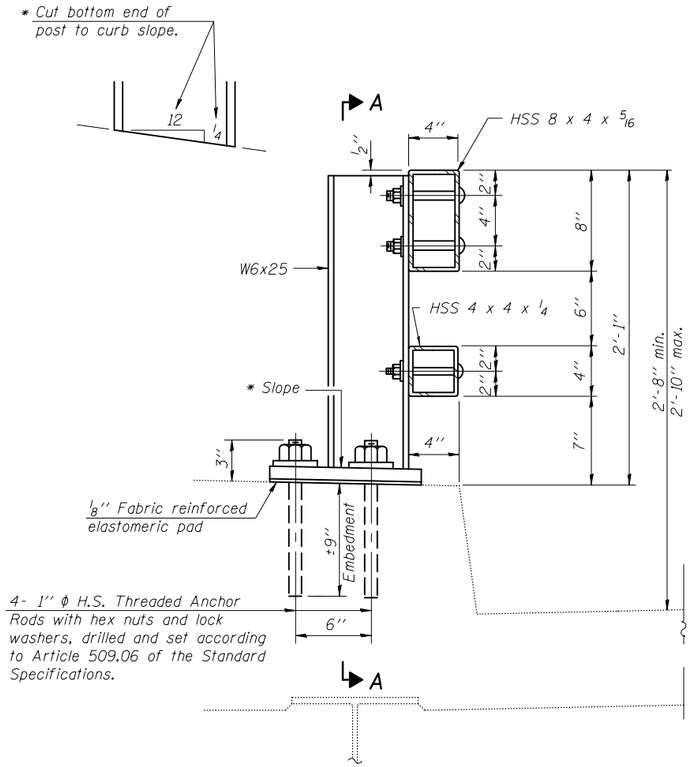
FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DRAWINGData\Structures\D570765-sht-Repair.dgn	USER NAME = carrollrt	DESIGNED - JMS	REVISED -
		DRAWN - JMS	REVISED -
	PLOT SCALE = 40.0001 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

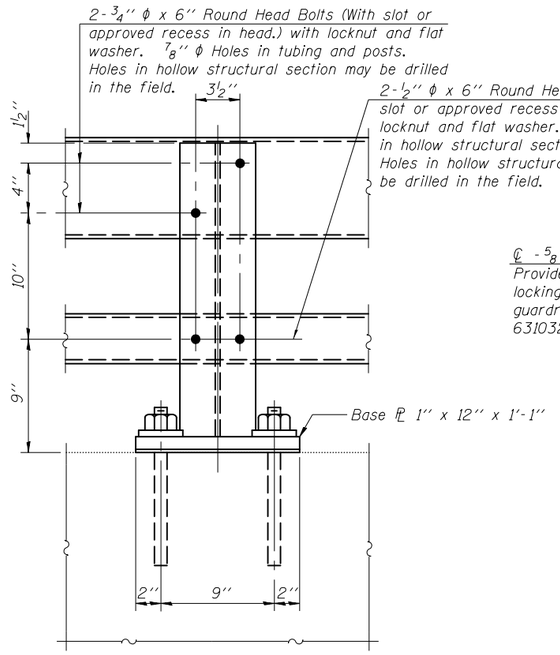
FLOOR DRAIN DETAILS
S.N. 010-0167

SCALE: | SHEET NO. 5 OF 10 SHEETS | STA. | TO STA.

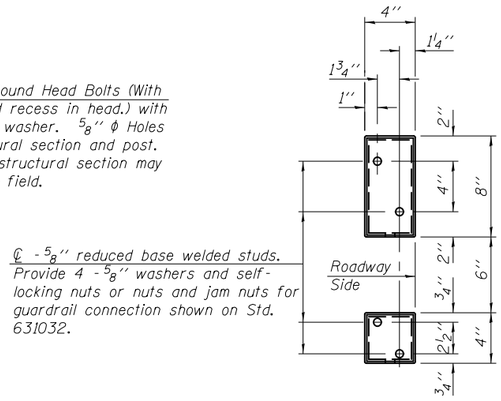
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	96
		CONTRACT NO. 70765		
	ILLINOIS	FED. AID PROJECT		



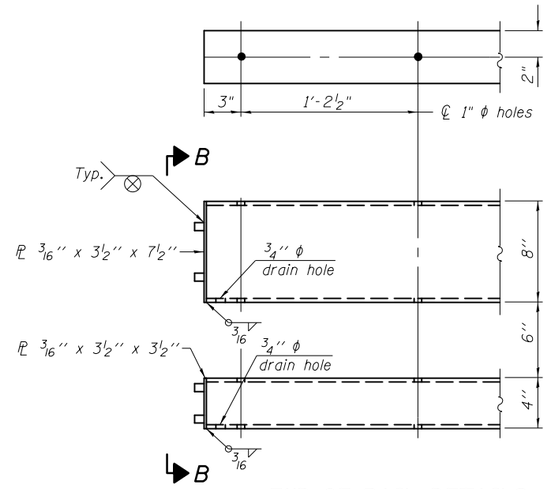
SECTION AT RAIL POST



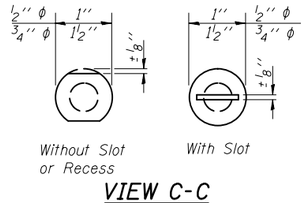
SECTION A-A



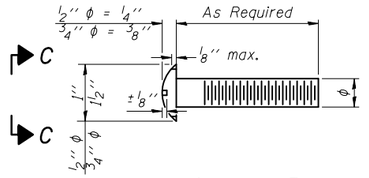
VIEW B-B



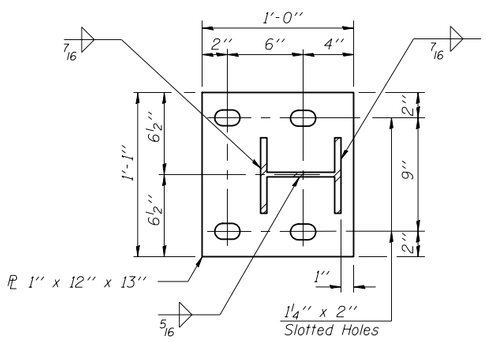
END OF RAIL DETAILS



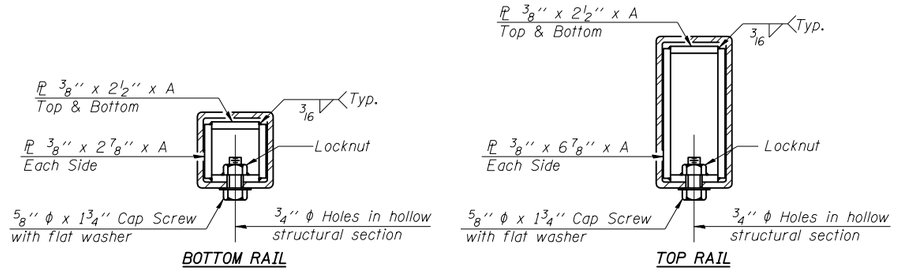
VIEW C-C



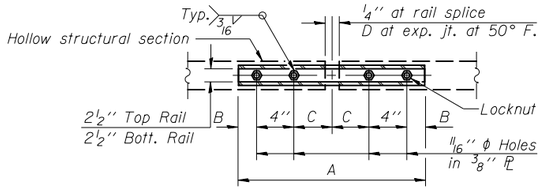
DETAIL OF 1/2" ϕ & 3/4" ϕ ROUND HEAD BOLTS



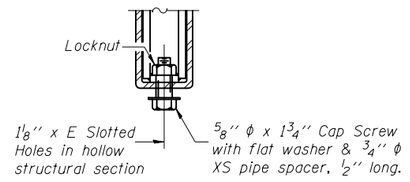
BASE PLATE DETAIL



SECTIONS AT RAIL SPLICE



PLAN-BOTT. SPLICE PL TYPICAL



RAIL SPLICE CONNECTION AT EXPANSION JT.

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 railing 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.

SPLICE DIMENSIONS

T	D	A	B	C	E
≤4"	2 1/2"	1'-8"	2"	4"	2 1/2"
>4" ≤6 1/2"	3 3/4"	2'-0"	2 1/2"	5 1/2"	3 1/2"
>6 1/2" ≤9"	5"	2'-4"	3 1/2"	6 1/2"	9"
>9" ≤13"	7"	2'-10"	4 1/2"	8 1/2"	11"
Rail Splice	1/4"	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	491.0

(6'-3" Maximum Post Spacing)

R-31

7-1-10

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\DRAINData\Structures\D570765-sht-Repair Revised	USER NAME = carrollrt	DESIGNED - JMS	REVISED -
		DRAWN - JMS	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STEEL RAILING, TYPE 2399
S.N. 010-0167

SCALE: | SHEET NO. 6 OF 10 SHEETS | STA. | TO STA.

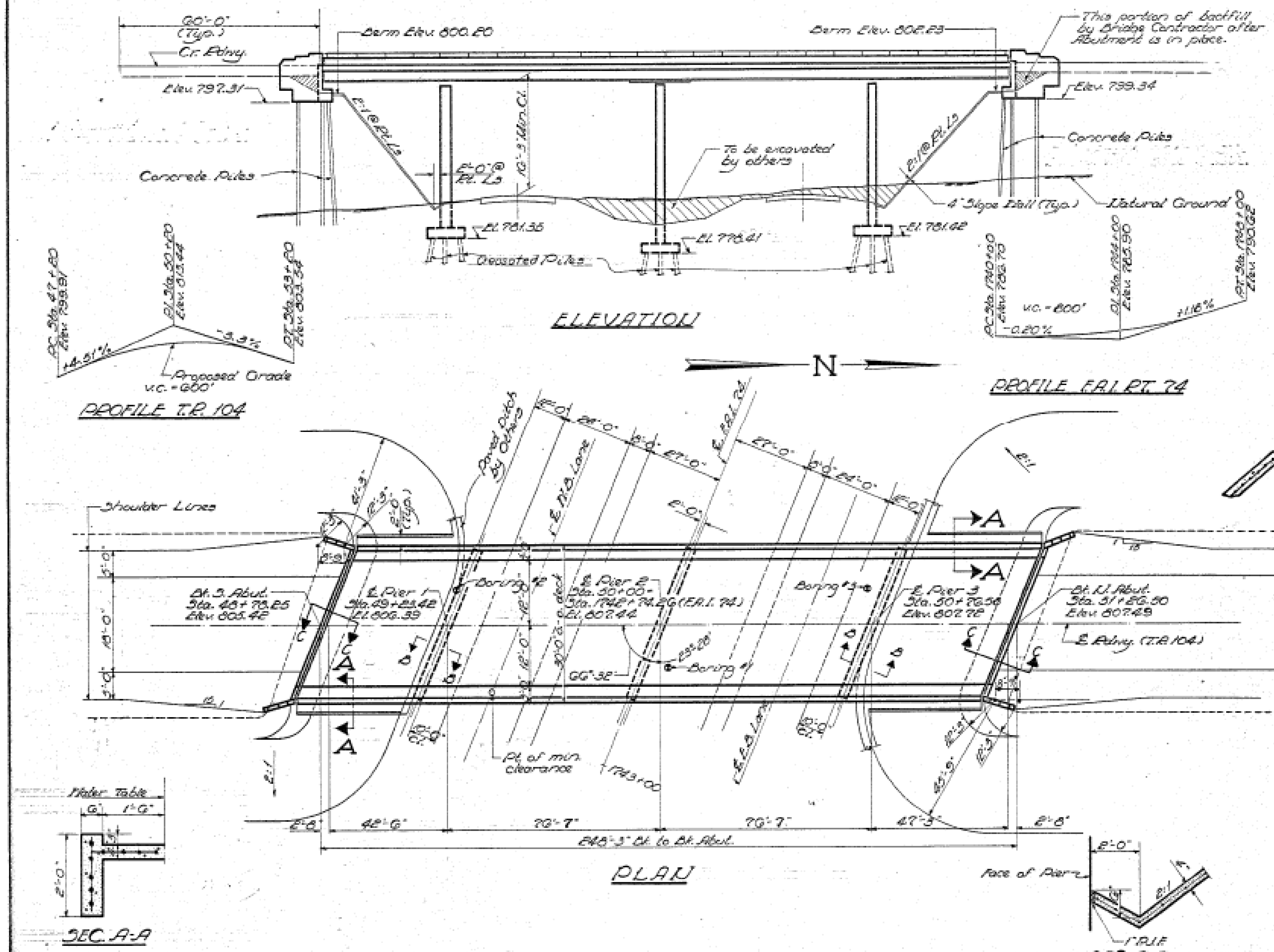
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	Champaign	202	97
		CONTRACT NO. 70765		
	ILLINOIS FED. AID PROJECT			

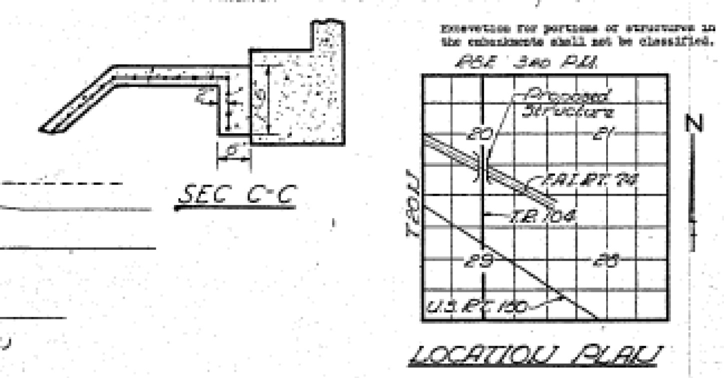
B.M.: U.S.C. & G.S. "T-204" On South End of West Hdwl. of Culvert Sta. 46+256 Elev. = 784.41.

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

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.I. 74	10-5HB	Champaign	25	6

SHEET NO. 1
10 SHEETS





GENERAL NOTES

Coarse aggregate to be used in parapet handrails and end posts must be free of chert, flint, limonite, lignite and soft sandstone.

The concrete floor slab shall be finished in accordance with Article 51.13 of the Standard Specifications.

Slope Wall shall be reinforced with welded wire fabric 6"x6" mesh, weighing 58# per 100 sq. ft..

All reinforcement bars shall be lapped 20 diameters unless otherwise shown.

Rivets 3/4"⌀, Open Holes 13/16"⌀ unless otherwise noted.

Anchor bolts shall be set before riveting diaphragms over supports.

All Structural Steel shall conform to A.S.T.M. A-36 Specifications.

The exposed surfaces of the expansion guard shall be given two shop coats of red lead paint, the contact surfaces shall be given one shop coat of red lead paint. Anchor studs shall not be painted.

Expansion guards are included in the quantity of Structural Steel. Estimated Weight = 720 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 Articles 56.1 to 56.5 inclusive of the Std. Specifications.

The Contractor shall drive one concrete test pile and one timber test pile, for locations see Sheets #6 & #7, as directed by the Engineer before ordering the remainder of piles.

Embankments to be constructed prior to driving piles at Piers #1 & #3.

Concrete piles at abutments shall be driven in holes precored through the embankment in accordance with Article 60.9 (c) of the Standard Specifications.

Permanent Metal forms will not be permitted for forming the slab.

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
* Class A Excav. for Structures	Cu. Yds.		150	150
Class X Concrete	Cu. Yds.	229.7	216.1	445.8
Structural Steel	Lbs.	180 120		180 120
Aluminum Handrail	Lin. Ft.	490		490
Reinforcement Bars	Lbs.	47 560	17 870	65 430
Creosoted Piles (20' to 38')	Lin. Ft.		1910	1910
Test Piles (Timber)	Each		1	1
Concrete Piles	Lin. Ft.		1080	1080
Test Piles (Conc.)	Each		1	1
Name Plates	Each		2	2
Slope Wall (4")	Sq. Yds.			370
Protective Coat	Sq. Yds.	910		910

* Includes excavation for Slope Wall

STATION 1742+74.26
BUILT 196 BY
STATE OF ILLINOIS
F.A.I. RT. 74-SEC. 10-5HB
F.A. PROJ. I-74-5(33)
LOADING HS15

NAME PLATE
See Std. 2113-1

DESIGN STRESSES
f'c = 1 400 p.s.i. Super & Sub.
fs = 20 000 p.s.i. Reinf.
fs = 20 000 p.s.i. Struct. (A-36)
Vc = 75 p.s.i. Ftgs.
n = 10
LOADING: HS15-44

DESIGNED Neil Harvey
CHECKED John W. Clark Jr.
DRAWN Jacobs
CHECKED John W. Clark Jr.
Aug. 12 1964
EXAMINED W. E. Baumann, ENGINEER OF BRIDGE AND TRAFFIC STRUCTURES
PASSED E. Hecht, ENGINEER OF DESIGN
APPROVED U. E. [illegible], CHIEF HIGHWAY ENGINEER

PROJ. I-74-5(33)177
GENERAL PLAN & ELEVATION
T.R. 104 OVER F.A.I. RT. 74
F.A.I. RT. 74-SEC. 10-5HB
CHAMPAIGN COUNTY
STA. 1742+74.26

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D57...Data\Structures\D570765-sht-Repa...	USER NAME = carrollrt	DESIGNED - JMS	REVISED -
	PLOT SCALE = 40.0001 ' / in.	DRAWN - JMS	REVISED -
	PLOT DATE = 8/13/2015	CHECKED -	REVISED -
		DATE -	REVISED -

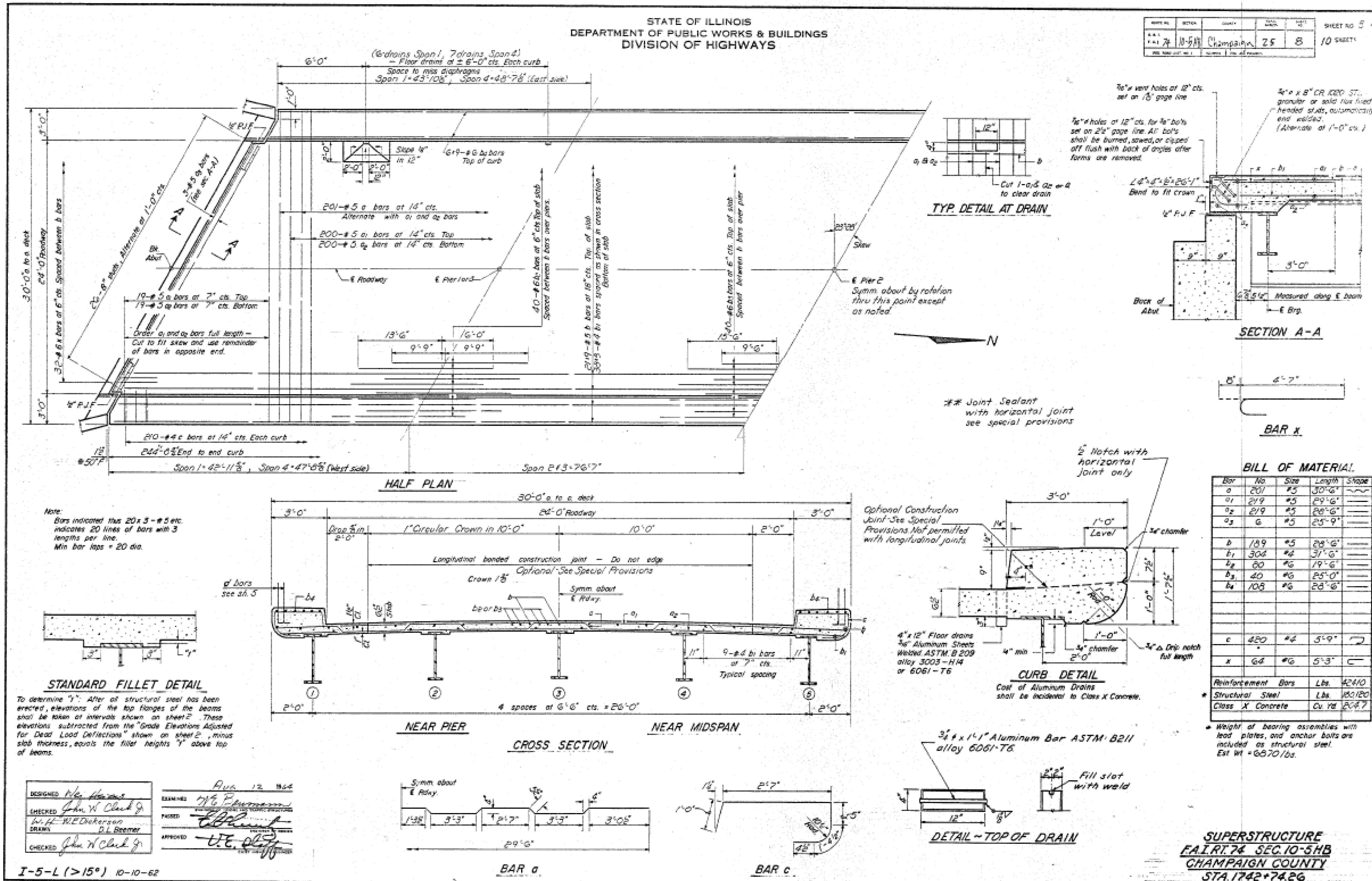
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

AS-BUILT PLANS
(FOR INFORMATION ONLY)

SCALE: | SHEET NO. 7 OF 10 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	98

CONTRACT NO. 70765
ILLINOIS FED. AID PROJECT


STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS
SHEET NO. 8
10 SHEETS
F.A.I. 74 10-5HB Champaign 25 8
HALF PLAN
TYP. DETAIL AT DRAIN
SECTION A-A
BAR x
CROSS SECTION
NEAR PIER
NEAR MIDSPAN
STANDARD FILLET DETAIL
CURB DETAIL
DETAIL - TOP OF DRAIN
BAR a
BAR c
Note:
Bars indicated thus 20x3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
Min. bar laps = 20 dia.
To determine "Y": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown on sheet 2. These elevations subtracted from the "Grade Elevations Adjusted for Dead Load Deflections" shown on sheet 2, minus slab thickness, equals the fillet heights "Y" above top of beams.
Joint Sealant with horizontal joint see special provisions
I-5-L (>15°) 10-10-62
SUPERSTRUCTURE
F.A.I. RT. 74 SEC. 10-5HB
CHAMPAIGN COUNTY
STA. 1742+74.26

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	201	#5	30'-6"	
a1	219	#5	29'-6"	
a2	219	#5	26'-6"	
a3	6	#5	25'-9"	
b	189	#5	28'-6"	
b1	304	#4	31'-6"	
b2	80	#6	19'-6"	
b3	40	#6	25'-0"	
b4	108	#6	28'-6"	
c	420	#4	5'-9"	
x	64	#6	5'-3"	
Reinforcement Bars			Lbs.	42410
* Structural Steel			Lbs.	180120
Class X Concrete			Cu. Yd.	204.7

* Weight of bearing assemblies with lead plates, and anchor bolts are included as structural steel. Est. Wt. = 6870 lbs.

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\CADData\Structures\D570765-sht-Repair	USER NAME = carrollrt	DESIGNED - JMS	REVISED -
		DRAWN - JMS	REVISED -
	PLOT SCALE = 40.0001 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 8/13/2015	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

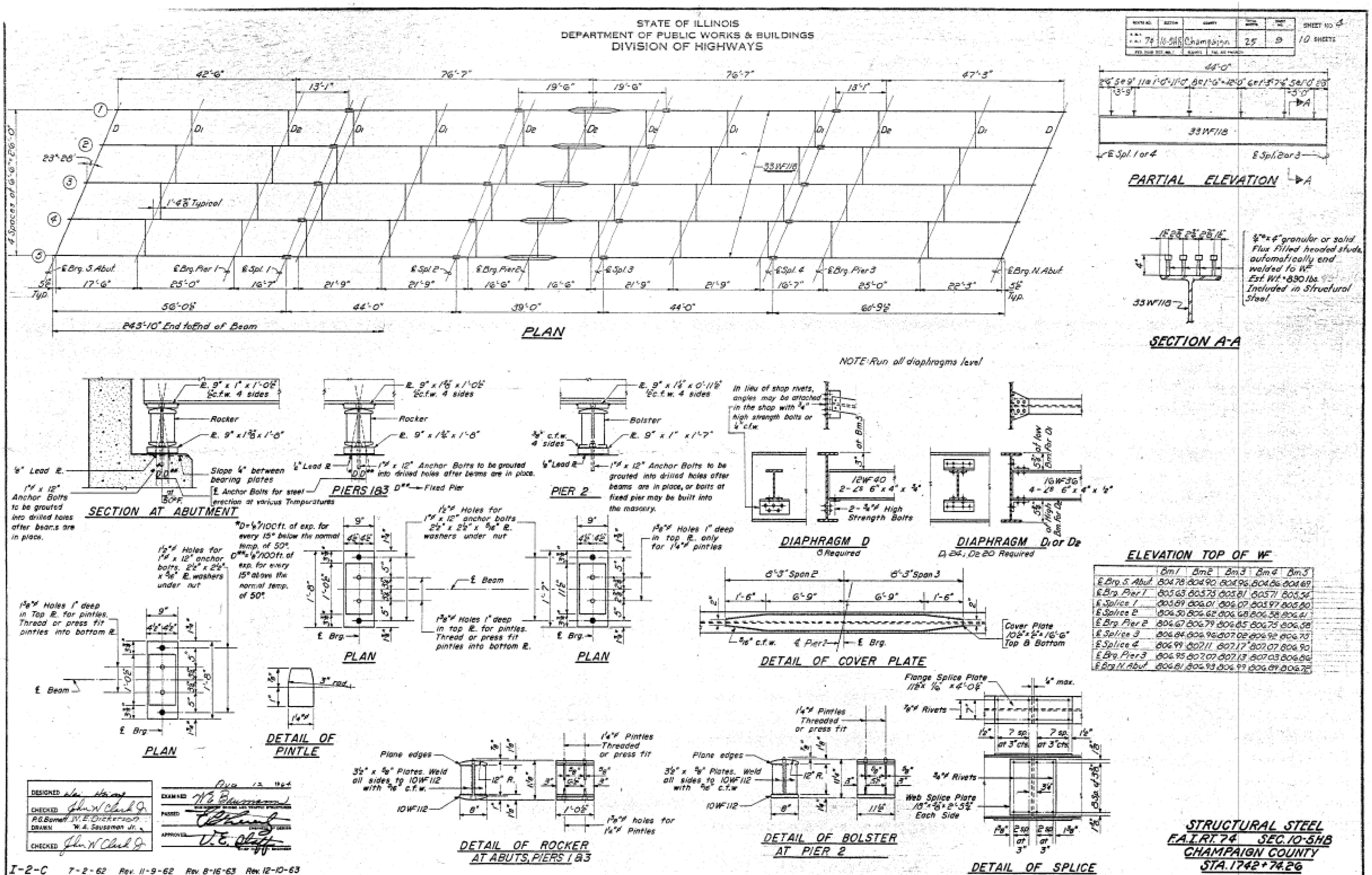
AS-BUILT PLANS
(FOR INFORMATION ONLY)

SCALE: | SHEET NO. 8 OF 10 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	99

CONTRACT NO. 70765

ILLINOIS FED. AID PROJECT



ELEVATION TOP OF WF

	Bm 1	Bm 2	Bm 3	Bm 4	Bm 5
℄ Brg. S. Abut.	804.78	804.90	804.96	804.86	804.69
℄ Brg. Pier 1	805.63	805.75	805.81	805.71	805.54
℄ Splice 1	805.89	806.01	806.07	805.97	805.80
℄ Splice 2	806.50	806.62	806.68	806.58	806.41
℄ Brg. Pier 2	806.67	806.79	806.85	806.75	806.58
℄ Splice 3	806.84	806.96	807.02	806.92	806.75
℄ Splice 4	806.99	807.11	807.17	807.07	806.90
℄ Brg. Pier 3	806.95	807.07	807.13	807.03	806.86
℄ Brg. N. Abut.	806.81	806.93	806.99	806.89	806.72

FILE NAME = pw:\\IL084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 5\Projects\D570765\...Data\Structures\D570765-sht-Repa...	USER NAME = carrollrt	DESIGNED - JMS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	PLOT SCALE = 40.0000 ' / in.	DRAWN - JMS	REVISED -	
	PLOT DATE = 8/13/2015	CHECKED -	REVISED -	
		DATE -	REVISED -	

AS-BUILT PLANS (FOR INFORMATION ONLY)

SCALE: | SHEET NO. 9 OF 10 SHEETS | STA. | TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	(74,10-4-1,10-4,10-5)RS	CHAMPAIGN	202	100

CONTRACT NO. 70765

ILLINOIS FED. AID PROJECT