0026

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	1
	ILLINOIS	CONTRACT NO. 70545		

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 808 (IL 130)
SECTION (12B–15D)BR
PROJECT STP–7XGM(102)
BRIDGE REPLACEMENT
DOUGLAS COUNTY

C–95–038–10

.D-95-038-10

LOCATION OF SECTION INDICATED THUS:–

FOR INDEX OF SHEETS, SEE SHEET NO. 2

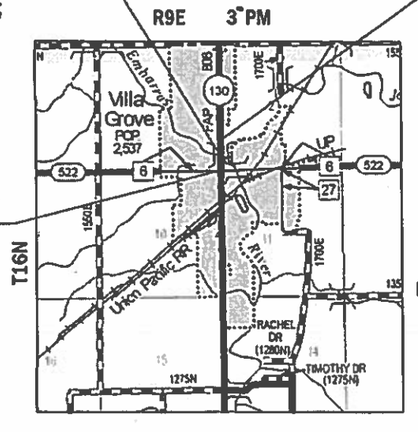
FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4–14

BRIDGE REPLACEMENT
EX. S.N. 021-0028 AT STA 273+23.19
CARRYING IL 130 OVER THE EMBARRAS RIVER TO BE REMOVED AND REPLACED.
PR. S.N. 021-0063 AT STA 272+91.00;
4 SPAN CONTINUOUS 27"
WIDE-FLANGE STEEL BEAMS;
261'-8 1/4" BK-BK;
SKEW 25°-00'-00" LEFT FORWARD

END IMPROVEMENT
STA. 276+45.02

BEGIN IMPROVEMENT
STA. 268+60.00

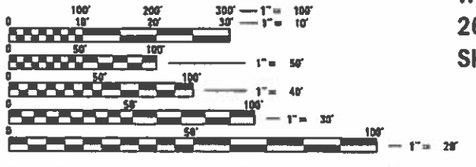


LOCATION MAP
1" = 0.6 MILE

GROSS LENGTH = 785.02 FT. = 0.149 MILE
NET LENGTH = 785.02 FT. = 0.149 MILE

FUNCTIONAL CLASSIFICATION
URBAN MINOR ARTERIAL
2017 ADT = 4,700
P.V. = 93.6% S.U. = 4.3% M.U. = 2.1%

DESIGN DESIGNATION
N/A



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 EXCAVATORS
1–800–892–0123
OR 811

TOWNSHIPS: CAMARGO

PROJECT ENGINEER NANCY FASIG, P.E.
PROJECT MANAGER AVOREE GORE, P.E.
DISTRICT 5 NO. (217) 465–4181

CONTRACT NO. 70545

BFW
BACON | FARMER | WORKMAN
ENGINEERING & TESTING, INC

KEVIN REED CRIDER
062-057383
LICENSED PROFESSIONAL ENGINEER
OF
ILLINOIS
5/28/19

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED July 9 20 19
REGIONAL ENGINEER
Oct 4 20 19
ENGINEER OF DESIGN AND ENVIRONMENT
Oct 8 20 19
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

REV. 9/11/19

INDEX OF SHEETS

LIST OF STANDARDS

000001-07	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
420401-13	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424026-03	ENTRANCE / ALLEY PEDESTRIAN CROSSING
515001-03	NAME PLATE FOR BRIDGES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
602301-04	INLET - TYPE A
602306-03	INLET - TYPE B
602401-06	PRECAST MANHOLE TYPE A 4' (1.22 m) DIAMETER
602701-02	MANHOLE STEPS
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604006-05	FRAME AND GRATE TYPE 3
604016-04	FRAME AND GRATE TYPE 4
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606006-04	OUTLETS FOR CONCRETE CURB AND GUTTER TYPE B-6.24 (B-15.60)
630001-12	STEEL PLATE BEAM GUARDRAIL
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
631031-15	TRAFFIC BARRIER TERMINAL, TYPE 6
664001-02	CHAIN LINK FENCE
666001-01	RIGHT OF WAY MARKERS
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W MOVING OPERATIONS- DAY ONLY
701321-17	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MAKRERS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS
AND LIST OF STANDARDS

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	2
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			

GENERAL NOTES

G.N.-100B MICROSTATION AND GEOPAK FILES OF THIS PROJECT WILL BE MADE AVAILABLE TO THE CONTRACTOR AFTER CONTRACT AWARD. IF THERE IS A CONFLICT BETWEEN THE ELECTRONIC FILES AND THE PRINTED CONTRACT PLANS AND DOCUMENTS, THE PRINTED CONTRACT PLANS AND DOCUMENTS SHALL TAKE PRECEDENCE OVER THE ELECTRONIC FILES. THE CONTRACTOR SHALL ACCEPT ALL RISK ASSOCIATED WITH USING THE ELECTRONIC FILES AND SHALL HOLD THE DEPARTMENT HARMLESS FOR ANY ERRORS OR OMISSIONS IN THE ELECTRONIC FILES AND THE DATA CONTAINED THEREIN. ERRORS OR DELAYS RESULTING FROM THE USE OF THE ELECTRONIC FILES BY THE CONTRACTOR SHALL NOT RESULT IN AN EXTENSION OF TIME FOR ANY INTERIM OR FINAL COMPLETION DATE OR SHALL NOT BE CONSIDERED CAUSE FOR ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL NOT USE, SHARE, OR DISTRIBUTE THESE ELECTRONIC FILES EXCEPT FOR THE PURPOSE OF CONSTRUCTING THIS CONTRACT. ANY CLAIMS BY THIRD PARTIES DUE TO USE OR ERRORS SHALL INCLUDE THIS DISCLAIMER WITH THE TRANSFER OF THESE ELECTRONIC FILES TO ANY OTHER PARTIES AND SHALL INCLUDE APPROPRIATE LANGUAGE BINDING THEM TO SIMILAR RESPONSIBILITIES.

G.N.-105.07C EXISTING STATE-OWNED AND MAINTAINED UNDERGROUND UTILITY FACILITIES EXIST WITHIN THE ROW. THE DEPARTMENT IS NOT A MEMBER OF JULIE AND DOES NOT LOCATE IT'S OWN FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE AT THEIR OWN EXPENSE FOR SECURING AN APPROVED LOCATING FIRM TO LOCATE ALL EXISTING IDOT UNDERGROUND FACILITIES PRIOR TO COMMENCING ANY EXCAVATION, PER THE REQUIREMENTS OF ARTICLE 803 OF THE STANDARD SPECIFICATIONS. UTILITY LOCATES MAY ALSO BE REQUIRED OUTSIDE THE PROJECT LIMITS, SUCH AS FOR TRAFFIC CONTROL SIGNING AND OTHER ITEMS. THE CONTRACTOR MAY OBTAIN, ON REQUEST, PLANS OF EXISTING ELECTRICAL FACILITIES FROM THE DEPARTMENT. FOR FURTHER INFORMATION, THE CONTRACTOR MAY CONTACT THE DISTRICT TRAFFIC OPERATIONS ENGINEER, GARY SIMS, AT 217-251-4859.

THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR LOCATING AND PROVIDING PROTECTION FOR FACILITIES DURING ALL PHASES OF CONSTRUCTION. IF, AT ANY TIME, THE FACILITIES ARE DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DEPARTMENT AND MAKE ALL NECESSARY ARRANGEMENTS FOR REPAIR TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE CONTRACT BID PRICE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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

G.N.-201 TREES THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. ANY TREE DUE TO ITS LOCATION AND DEEMED SUITABLE FOR SAVING BY THE ENGINEER SHALL BE PROTECTED DURING CLEARING AND SUBSEQUENT CONSTRUCTION OPERATIONS.

G.N.-205 BENCHING PROCEDURES SHALL BE USED IN AREAS WHERE EXISTING EMBANKMENTS ARE WIDENED FOR THE PROPOSED PAVEMENT. STEPS SHALL BE CUT INTO THE EXISTING EMBANKMENT SLOPES AND SHALL HAVE THE FOLLOWING DIMENSIONS:
HORIZONTAL: VARIES
VERTICAL: 3

G.N.-250C SEEDING, CLASS 7 AND MULCH, METHOD 2 IS INCLUDED IN THIS CONTRACT TO SEED NEW EARTH SHOULDERS DURING TIME PERIODS WHEN PERMANENT SEEDING IS NOT ALLOWED. SOME OR ALL OF THE CLASS 7 SEEDING AND MULCH WILL BE DELETED IF IT IS POSSIBLE TO PLACE PERMANENT SEEDING ON EARTH SHOULDERS AT THE TIME OF THEIR COMPLETION.

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.-406H MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION(S):	IL 130	IL 130
MIXTURE USE(S):	BASE COURSE WIDENING & PATCHING & TEMPORARY PAVEMENT	SURFACE & INCIDENTAL
AC/PG:	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ NDES=50	4.0% @ NDES=50
MIXTURE COMP (GRADATION)	IL 19.0	IL 9.5
FRICTION AGGREGATE:	N.A.	MIX C
MIXTURE WEIGHT	112	112
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA
SUBLOT SIZE	N.A.	N.A.

G.N.-440B THE EXISTING TIE BARS BETWEEN THE EXISTING PAVEMENT AND EXISTING MEDIANS, GUTTERS AND/OR COMBINATION CURB AND GUTTERS THAT ARE FOUND SUITABLE FOR REUSE SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY EXISTING TIE BARS THAT ARE FOUND UNSUITABLE TO BE INCORPORATED INTO THE PROPOSED CONSTRUCTION DUE TO EXCESSIVE RUSTING OR DISTRESS SHALL BE REMOVED FLUSH WITH THE FACE OF THE EXISTING CONCRETE AND DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY IN ACCORDANCE WITH ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS.

THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE VARIOUS REMOVAL PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N.-501 THE REMOVAL OF THE EXISTING APPROACH SLAB IS INCLUDED IN THE COST OF THE REMOVAL OF EXISTING STRUCTURES.

G.N.-667 THE RESIDENT ENGINEER SHALL CONTACT PROGRAM DEVELOPMENT CHIEF OF SURVEYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE FOR INSTRUCTION AS TO SETTING OF TEMPORARY OR PERMANENT TIES FOR CENTERLINE ALIGNMENT CONTROL SURVEY MARKERS (PC'S, PT'S, AND PI'S). PROJECT IMPLEMENTATION PERSONNEL WILL BE RESPONSIBLE FOR LAYOUT OF THESE MARKERS.

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 (MACHING 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 THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS.

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

COMMITMENTS

PARCEL NO. 5376002 - AS A RESULT OF RIGHT OF WAY NEGOTIATIONS, PLEASE BE ADVISED OF THE FOLLOWING:
PAVED ACCESS WILL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION FOR ALL FORKLIFT DELIVERIES ON THE EAST SIDE OF THE SUBJECT PROPERTY BUILDING.

MATERIAL TRANSFER DEVICE INFORMATION

MATERIAL TRANSFER DEVICE SHALL NOT BE USED

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND COMMITMENTS

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	3
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

REV. 10/2/19

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 80% FEDERAL 20% STATE BRIDGE 0010 S.N. 021-0063
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	140	140
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	54	54
20100500	TREE REMOVAL, ACRES	ACRE	0.50	0.50
20200100	EARTH EXCAVATION	CU YD	3,585	3,585
20200500	EARTH EXCAVATION (WIDENING)	CU YD	65	65
20800150	TRENCH BACKFILL	CU YD	904	904
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1,905	1,905
25000210	SEEDING, CLASS 2A	ACRE	0.75	0.75
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	83	83
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	83	83
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	83	83
25100630	EROSION CONTROL BLANKET	SQ YD	1,622	1,622
25200100	SODDING	SQ YD	140	140
25200200	SUPPLEMENTAL WATERING	UNIT	13	13

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	4
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 80% FEDERAL 20% STATE BRIDGE 0010 S.N. 021-0063
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	300	300
28000400	PERIMETER EROSION BARRIER	FOOT	1,026	1,026
28000500	INLET AND PIPE PROTECTION	EACH	14	14
28100107	STONE RIPRAP, CLASS A4	SQ YD	1,510	1,510
28200200	FILTER FABRIC	SQ YD	1,510	1,510
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	950	950
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	392	392
35650600	BASE COURSE WIDENING (VARIABLE DEPTH)	SQ YD	307	307
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	1,858	1,858
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	977	977
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	741	741
40600990	TEMPORARY RAMP	SQ YD	108	108
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	249	249
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	88	88

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	5
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 80% FEDERAL 20% STATE BRIDGE 0010 S.N. 021-0063
	42001300	PROTECTIVE COAT	SQ YD	1,162	1,162
	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	234	234
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	5,489.5	5,489.5
*	42400800	DETECTABLE WARNINGS	SQ FT	81	81
	44000100	PAVEMENT REMOVAL	SQ YD	524	524
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	223	223
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	396	396
	44000300	CURB REMOVAL	FOOT	395	395
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,805	1,805
	44000600	SIDEWALK REMOVAL	SQ FT	5,004	5,004
	44200132	PAVEMENT PATCHING, TYPE II, 11 INCH	SQ YD	30	30
	50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1
	50105220	PIPE CULVERT REMOVAL	FOOT	44	44
	50200100	STRUCTURE EXCAVATION	CU YD	122	122

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	6
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

REV. 9/11/19

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 80% FEDERAL 20% STATE BRIDGE 0010 S.N. 021-0063
50200300	COFFERDAM EXCAVATION	CU YD	613	613
50201121	COFFERDAM (TYPE 2) (LOCATION - 1)	EACH	1	1
50201122	COFFERDAM (TYPE 2) (LOCATION - 2)	EACH	1	1
50201123	COFFERDAM (TYPE 2) (LOCATION - 3)	EACH	1	1
50300100	FLOOR DRAINS	EACH	32	32
50300225	CONCRETE STRUCTURES	CU YD	415.8	415.8
50300255	CONCRETE SUPERSTRUCTURE	CU YD	656.4	656.4
50300260	BRIDGE DECK GROOVING	SQ YD	1,349	1,349
50300265	SEAL COAT CONCRETE	CU YD	259	259
50300300	PROTECTIVE COAT	SQ YD	2,731	2,731
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1	1
50500505	STUD SHEAR CONNECTORS	EACH	10,656	10,656
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	178,800	178,800
50800515	BAR SPLICERS	EACH	1,202	1,202

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	7
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 80% FEDERAL 20% STATE BRIDGE 0010 S.N. 021-0063
50901730	BRIDGE FENCE RAILING	FOOT	316	316
50901735	BRIDGE FENCE RAILING (SIDEWALK)	FOOT	320	320
50901750	PARAPET RAILING	FOOT	372	372
51201610	FURNISHING STEEL PILES HP12X63	FOOT	938	938
51202100	FURNISHING STEEL PILES HP14X117	FOOT	2,124	2,124
51202305	DRIVING PILES	FOOT	3,062	3,062
51203610	TEST PILE STEEL HP12X63	EACH	2	2
51204100	TEST PILE STEEL HP14X117	EACH	3	3
51500100	NAME PLATES	EACH	1	1
52000110	PREFORMED JOINT STRIP SEAL	FOOT	126	126
52100520	ANCHOR BOLTS, 1"	EACH	80	80
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	1,607	1,607
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	8
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 80% FEDERAL 20% STATE BRIDGE 0010 S.N. 021-0063
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	354	354
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	31	31
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	579	579
55100500	STORM SEWER REMOVAL 12"	FOOT	114	114
55100900	STORM SEWER REMOVAL 18"	FOOT	410	410
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	160	160
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	88	88
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	10	10
60218600	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 4 FRAME AND GRATE	EACH	1	1
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	9	9
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	3	3
60240225	INLETS, TYPE B, TYPE 4 FRAME AND GRATE	EACH	1	1
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	1.2	1.2
60600605	CONCRETE CURB, TYPE B	FOOT	460.5	460.5

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	9
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 80% FEDERAL 20% STATE BRIDGE 0010 S.N. 021-0063
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1,373.0	1,373.0
*	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	287.5	287.5
*	63000035	BACK SIDE PROTECTION OF GUARDRAIL	FOOT	339.5	339.5
*	63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1
*	63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	2
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1
	63200310	GUARDRAIL REMOVAL	FOOT	603	603
	64300240	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	1	1
	66400305	CHAIN LINK FENCE, 6'	FOOT	297	297
	66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	11	11
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	585	585
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	5	5
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1
*	66901002	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DAY	5	5

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	10
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

REV. 9/11/19

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 80% FEDERAL 20% STATE BRIDGE 0010 S.N. 021-0063
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1
	67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	14	14
	67100100	MOBILIZATION	L SUM	1	1
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DAY	10	10
	70107025	CHANGEABLE MESSAGE SIGN	CAL DAY	14	14
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	198	198
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	66	66
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	512.5	512.5
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	487.5	487.5
	70600255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2
	70600322	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2
*	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	1	1

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	11
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

REV. 9/11/19

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 80% FEDERAL 20% STATE BRIDGE 0010 S.N. 021-0063
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	32	32
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1,157	1,157
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	43	43
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	32	32
*	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1,475	1,475
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	14	14
*	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	7	7
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	11	11
	X0325405	FILL EXISTING STORM SEWERS	CU YD	2.1	2.1
	X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	230	230
	X1200044	TEMPORARY STORM SEWER 12"	FOOT	35	35
	X1400366	TEMPORARY TRAFFIC SIGNAL INSTALLATION (SPECIAL)	L SUM	1	1
	X2011000	TEMPORARY FENCE (SPECIAL)	FOOT	334	334
	X4201410	BRIDGE APPROACH PAVEMENT CONNECTOR (SPECIAL)	SQ YD	286	286

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	12
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 80% FEDERAL 20% STATE BRIDGE 0010 S.N. 021-0063
	X4240460	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH, SPECIAL	SQ FT	254.0	254.0
	X4404000	PARKING LOT PAVEMENT REMOVAL	SQ YD	323	323
	X5010523	REMOVE CONCRETE END SECTION	EACH	2	2
	X5030305	CONCRETE WEARING SURFACE, 5"	SQ YD	392	392
	X5040100	PRECAST BRIDGE APPROACH SLAB	SQ FT	3,382	3,382
	X6640300	CHAIN LINK FENCE REMOVAL	FOOT	608	608
	X7010202	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL)	EACH	1	1
	X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	1,050	1,050
	X7200201	WIDTH RESTRICTION SIGNING	L SUM	1	1
*	X7830060	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	32	32
*	X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	1,157	1,157
*	X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	43	43
*	X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	32	32
	Z0007430	TEMPORARY SIDEWALK	SQ FT	2,465	2,465

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	13
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 80% FEDERAL 20% STATE BRIDGE 0010 S.N. 021-0063
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
Z0018700	DRAINAGE STRUCTURE TO BE REMOVED	EACH	13	13
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	423	423
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	196	196
Z0062456	TEMPORARY PAVEMENT	SQ YD	92	92
Z0076600	TRAINEES	HOUR	1500	1500
Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1500	1500

* SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

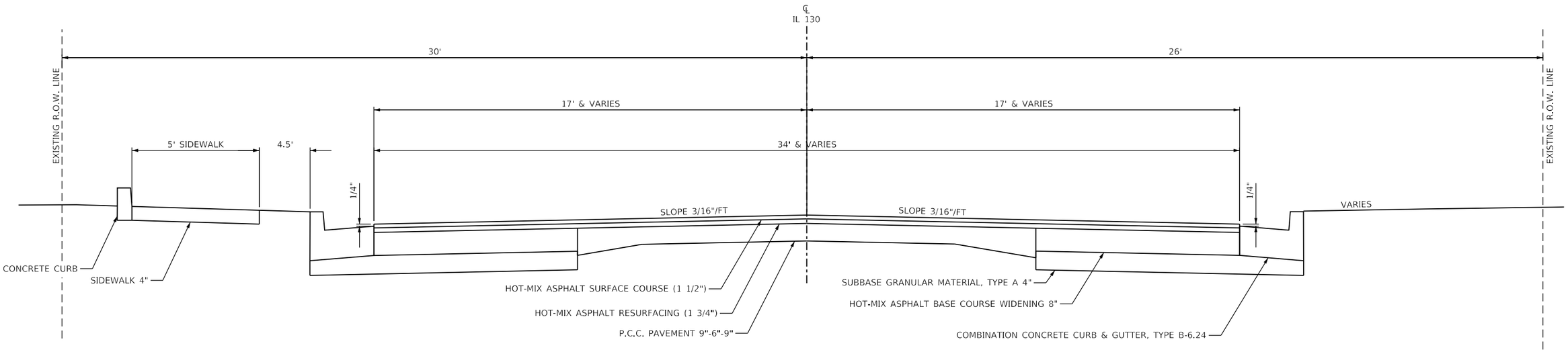
SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

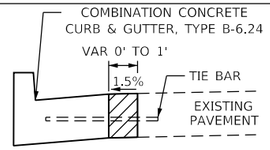
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	14
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			

REV. 9/12/19

EXISTING TYPICAL SECTION - IL 130

STA 266+76.50 TO STA 268+63.58





LT STA 266+73.79 TO STA 267+19.37
RT STA 267+34.46 TO STA 268+00.00

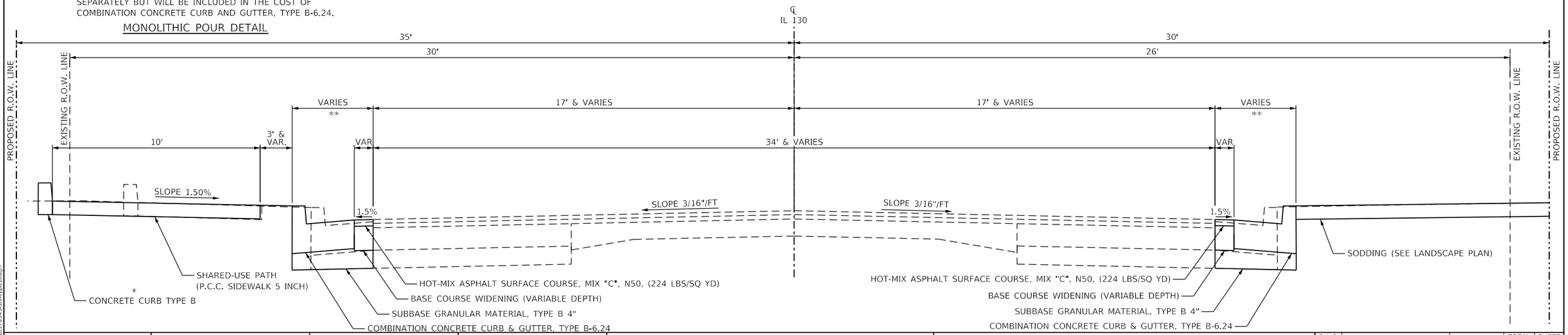
HATCHED AREA SHALL BE POURED MONOLITHIC WITH ADJACENT COMBINATION CONCRETE CURB AND GUTTER. THIS WORK WILL NOT BE MEASURED FOR PAYMENT SEPARATELY BUT WILL BE INCLUDED IN THE COST OF COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24.

MONOLITHIC POUR DETAIL

① PROPOSED TYPICAL SECTION - IL 130

LT STA 266+73.79 TO STA 268+60.00
RT STA 266+80.59 TO STA 268+60.00

* LT STA 266+81.00 TO STA 269+43.81
** LT STA 267+19.37 TO STA 268+60.00
RT STA 268+00.00 TO STA 268+60.00



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
IL 130

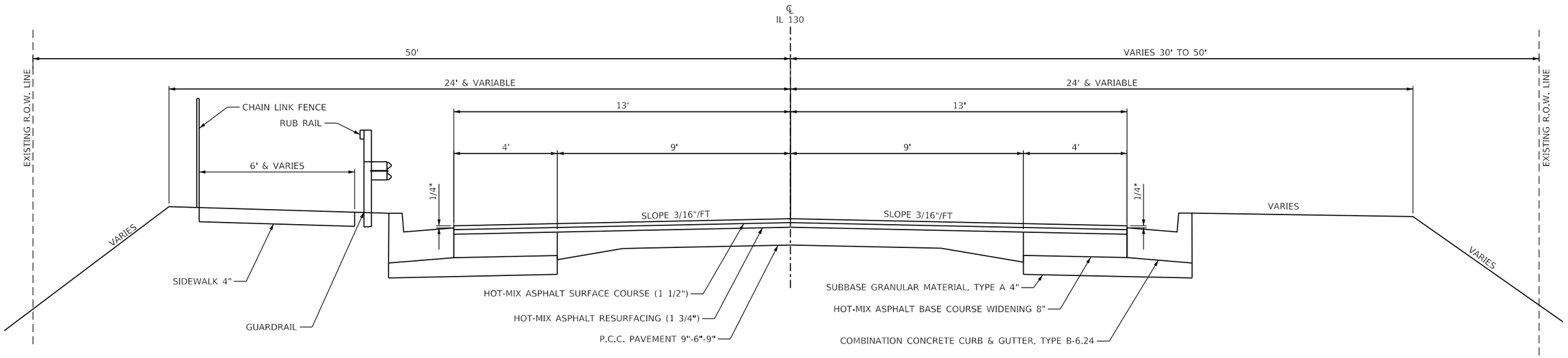
SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	15
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

EXISTING TYPICAL SECTION - IL 130

STA 268+63.58 TO STA 272+54.90
STA 273+91.48 TO STA 275+61.02

BRIDGE OMISSION
STA 272+54.90 TO STA 273+91.48



* LT STA 267+66.87 TO STA 271+06.27
RT STA 270+32.19 TO STA 271+21.59
** LT STA 269+43.81 TO STA 271+46.42
LT STA 274+66.02 TO STA 275+53.93

*** TRANSITION SHOULDER SLOPE -1.50% TO -2.00%
STA 268+60.00 TO STA 268+90.00
STA 276+15.02 TO STA 276+45.02

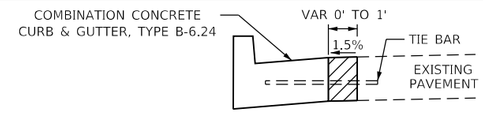
BRIDGE OMISSION
STA 271+61.26 TO STA 274+20.75

BRIDGE APPROACH SLAB
STA 271+31.26 TO STA 271+61.26
STA 274+20.75 TO STA 274+50.75

BRIDGE CONNECTOR PAVEMENT
STA 271+03.77 TO STA 271+31.26
STA 274+50.75 TO STA 274+66.12

② PROPOSED TYPICAL SECTION - IL 130

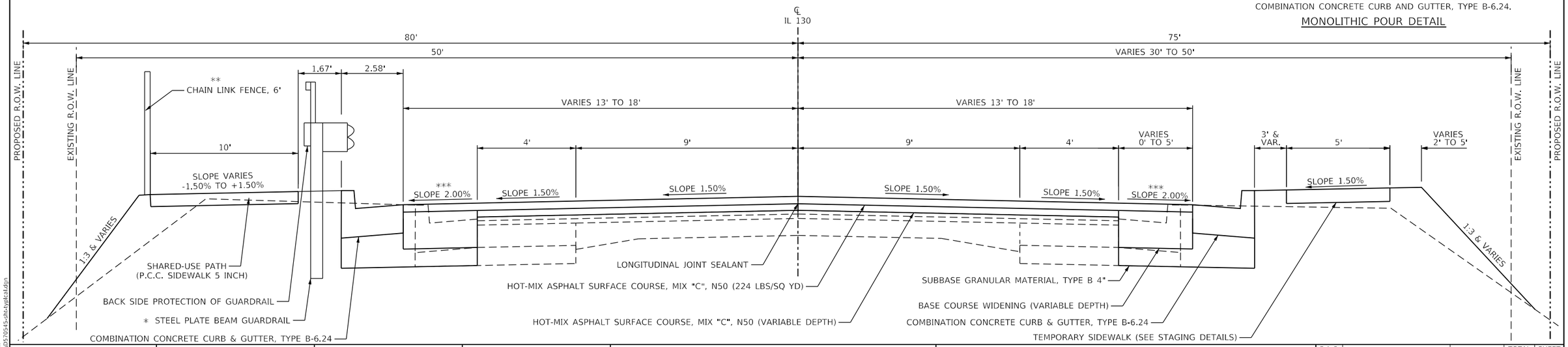
LT STA 268+60.00 TO STA 276+45.02
RT STA 268+60.00 TO STA 276+45.02



RT STA 275+28.56 TO STA 275+35.82
LT STA 276+27.80 TO STA 276+45.02

HATCHED AREA SHALL BE POURED MONOLITHIC WITH ADJACENT COMBINATION CONCRETE CURB AND GUTTER. THIS WORK WILL NOT BE MEASURED FOR PAYMENT SEPARATELY BUT WILL BE INCLUDED IN THE COST OF COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24.

MONOLITHIC POUR DETAIL



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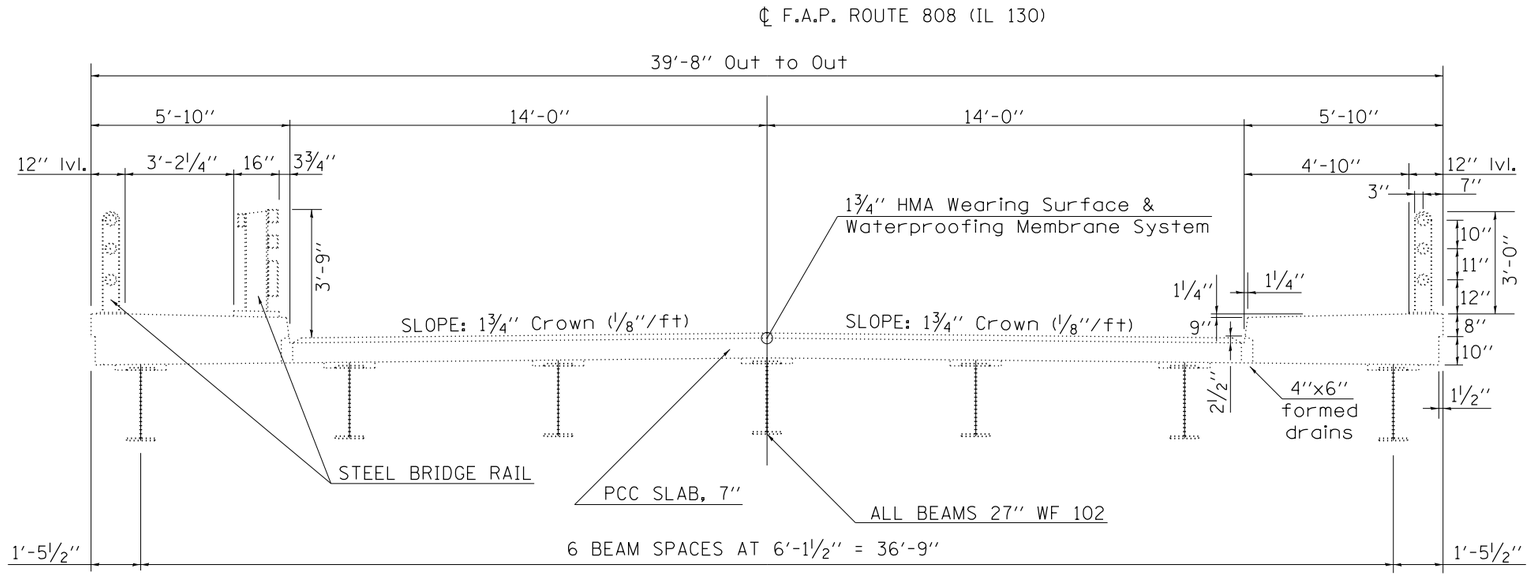
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
IL 130

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

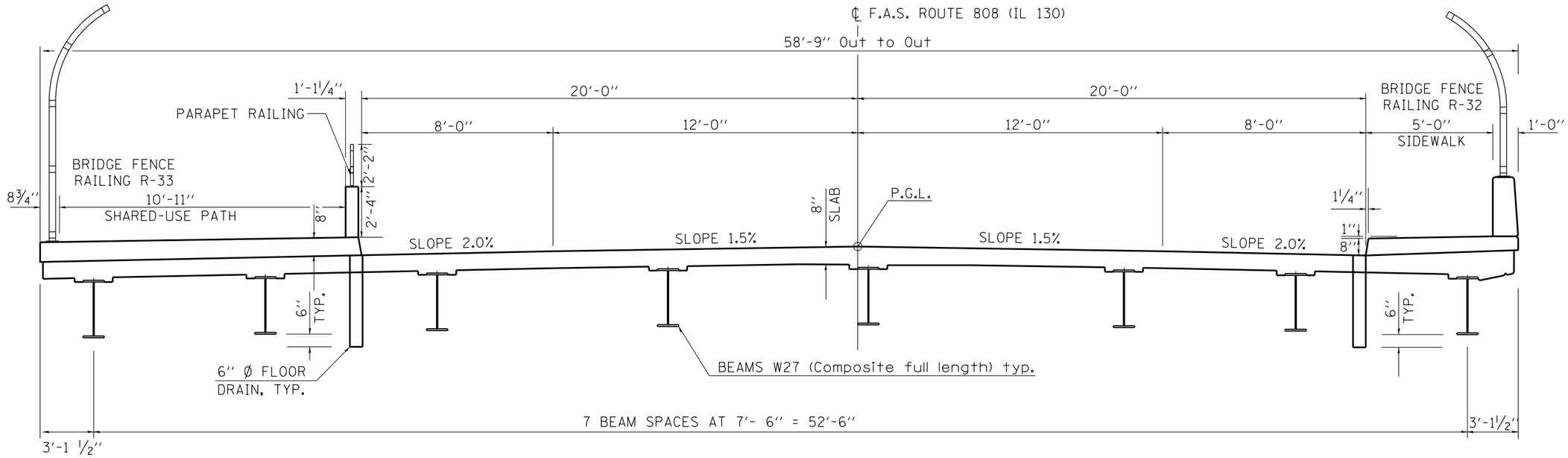
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	16
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

EXISTING STRUCTURE TYPICAL SECTION



③ PROPOSED STRUCTURE TYPICAL SECTION

FOR INFO ONLY. SEE STRUCTURE PLANS



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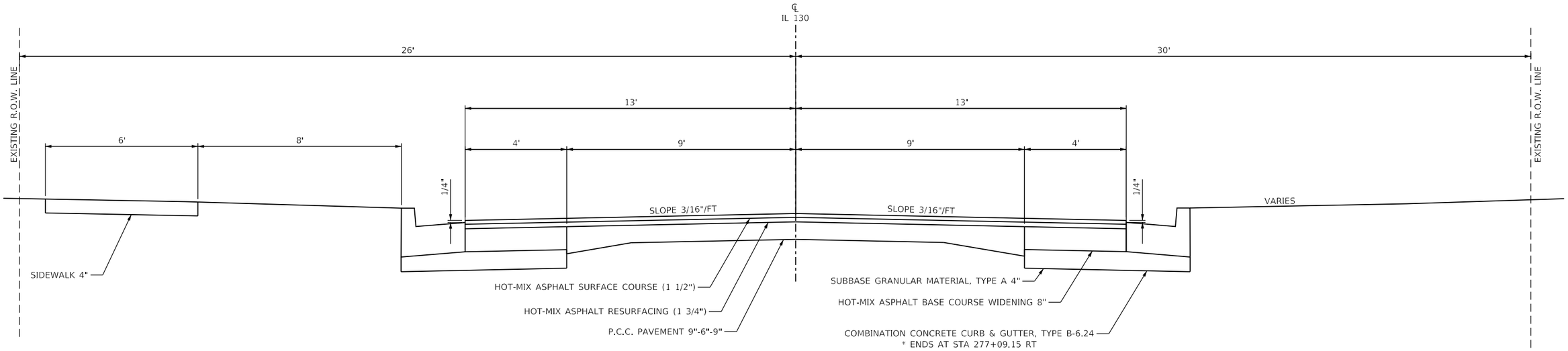
TYPICAL SECTIONS
IL 130

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	17
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			

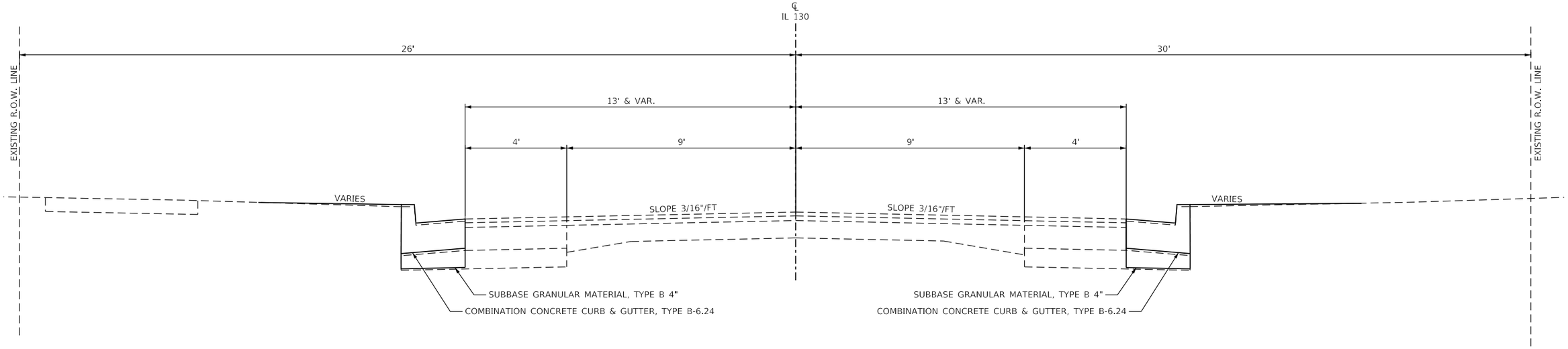
EXISTING TYPICAL SECTION - IL 130

STA 275+61.02 TO STA 278+06.74



④ PROPOSED TYPICAL SECTION - IL 130

LT STA 276+45.02 TO STA 278+06.74
RT STA 276+45.02 TO STA 277+09.15



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
IL 130

SCALE: N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	18
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

EARTHWORK

LOCATION STATION TO STATION	SIDE	EARTH EXCAVATION 20200100	EARTH EXCAVATION (WIDENING) 20200500	* NON-SPECIAL WASTE DISPOSAL 66900200	FOR INFORMATION ONLY				TOPSOIL FURNISH AND PLACE, 4" 21101615
					AVERAGE SHRINKAGE FACTOR	EARTH EXCAVATION (ADJUSTED)	EMBANKMENT	EARTHWORK BALANCE WASTE (+) SHORTAGE (-)	
		CU YD	CU YD	CU UD	%	CU YD	CU YD	CU YD	SQ YD
DOUGLAS COUNTY									
STAGE 1									
IL 130									
267+00.00 TO 278+00.00	RT	1,805	35	292.5	25	1,161	480	681	1,105
STAGE 2									
IL 130									
267+00.00 TO 278+00.00	LT	1,780	30	292.5	25	1,138	140	998	470
STAGE 3									
IL 130									
275+00.00 TO 276+50.00	RT						20	-20	330
PROJECT TOTAL		**3,585**	**65**	**585**					**1,905**

* ASSUMED SPLITTING TOTAL QUANTITY BETWEEN STAGE 1 AND STAGE 2

EROSION CONTROL

LOCATION STATION TO STATION	SIDE	EROSION CONTROL BLANKET 25100630	PERIMETER EROSION BARRIER 28000400	INLET & PIPE PROTECTION 28000500
		SQ YD	FOOT	EACH
DOUGLAS COUNTY				
IL 130				
269+00.00 TO 271+35.00	RT	909		
270+50.00 TO 271+68.00	LT	435		
274+16.00 TO 274+70.00	RT	100		
274+50.00 TO 275+54.00	LT	178		
269+07.00 TO 272+50.00	RT		393	
270+25.00 TO 273+10.00	LT		327	
273+60.00 TO 275+35.00	LT		194	
273+24.00 TO 274+22.00	RT		112	
267+91.00	LT			1
267+91.00	RT			1
268+65.00	LT			1
268+65.00	RT			1
269+45.00	LT			1
269+45.00	RT			1
270+25.00	LT			1
270+25.00	RT			1
270+96.00	LT			1
270+96.00	RT			1
274+52.00	RT			1
274+70.00	LT			1
275+50.00	LT			1
275+50.00	RT			1
PROJECT TOTAL		**1,622**	**1,026**	**14**

SEEDING AND SODDING

LOCATION STATION TO STATION	SIDE	SEEDING, CLASS 2A 25000210	SODDING 25200100	SUPPLEMENTAL WATERING 25200200	TEMPORARY EROSION CONTROL SEEDING 28000250	NITROGEN FERTILIZER NUTRIENT 25000400	PHOSPHORUS FERTILIZER NUTRIENT 25000500	POTASSIUM FERTILIZER NUTRIENT 25000600
		ACRE	SQ YD	UNITS	POUND	POUND	POUND	POUND
DOUGLAS COUNTY								
IL 130								
266+69.00 TO 268+15.00	RT		140	13	75	15	15	15
267+03.00 TO 276+55.00	LT	0.25			75	23	23	23
268+45.00 TO 277+09.00	RT	0.50			150	45	45	45
PROJECT TOTAL		**0.75**	**140**	**13**	**300**	**83**	**83**	**83**

NOTE: FERTILIZER APPLICATION RATE = 90 LB/ACRE FOR SEEDING CLASS 2A
FERTILIZER APPLICATION RATE = 60 LB/ACRE FOR SODDING
TEMPORARY EROSION CONTROL SEEDING INCLUDES 3 APPLICATIONS, APPLICATION RATE = 100 LB/ACRE

RIPRAP

LOCATION STATION TO STATION	COMMENTS	STONE RIPRAP, CLASS A4 28100107	FILTER FABRIC 28200200
		SQ YD	SQ YD
DOUGLAS COUNTY			
IL 130			
271+28.17	OUTLET S10	3	3
* S.N. 021-0063		1,499	1,499
274+27.49	OUTLET S13	8	8
PROJECT TOTAL		**1,510**	**1,510**

* SEE STRUCTURE PLANS FOR MORE INFORMATION

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PLOT DATE = 5/24/2019 - 12:04:16 PM	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	19
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			

TREE REMOVAL

LOCATION STATION TO STATION	SIDE	OFFSET	TREE REMOVAL (6 TO 15 UNITS DIAMETER) 20100110	TREE REMOVAL (OVER 15 UNITS DIAMETER) 20100210	TREE REMOVAL, ACRES 20100500
			UNIT	UNIT	ACRE
DOUGLAS COUNTY					
IL 130					
269+84.00 TO 273+17.00	LT				0.28
273+49.00 TO 274+69.00	LT				0.09
271+95.00	RT	39.7		18	
271+97.20	RT	38.1		18	
271+92.27	RT	37.1		18	
272+07.39	RT	36.5	10		
272+11.05	RT	42.5	10		
272+11.60	RT	42.1	10		
272+12.35	RT	46.6	10		
272+13.17	RT	48.0	10		
272+13.62	RT	46.2	10		
272+13.67	RT	44.0	10		
272+15.72	RT	44.3	10		
272+16.56	RT	42.3	10		
272+17.70	RT	39.3	10		
272+19.51	RT	45.5	10		
272+19.80	RT	41.4	10		
272+19.98	RT	42.5	10		
272+33.43	RT	40.2	10		
PROJECT TOTAL			**140**	**54**	**0.50**

GUARDRAIL & FENCE REMOVAL

LOCATION STATION TO STATION	SIDE	GUARDRAIL REMOVAL 63200310	CHAIN LINK FENCE REMOVAL X6640300
		FOOT	FOOT
DOUGLAS COUNTY			
STAGE 2			
IL 130			
267+75.75 TO 272+51.50	LT	477	
269+44.81 TO 275+49.06	LT		608
274+08.93 TO 275+34.56	LT	126	
PROJECT TOTAL		**603**	**608**

DRAINAGE REMOVAL

LOCATION STATION TO STATION	SIDE	OFFSET	* TRENCH BACKFILL 20800150	REMOVAL OF EXISTING STRUCTURES 50100100	PIPE CULVERT REMOVAL 50105220	STORM SEWER REMOVAL 12" 55100500	STORM SEWER REMOVAL 18" 55100900	PAVEMENT PATCHING, TYPE II, 11 INCH 44200132	FILL EXISTING STORM SEWERS X0325405	REMOVE CONCRETE END SECTION X5010523	DRAINAGE STRUCTURE TO BE REMOVED Z0018700
		FOOT	CU YD	EACH	FOOT	FOOT	FOOT	SQ YD	CU YD	EACH	EACH
DOUGLAS COUNTY											
STAGE 1											
IL 130											
267+91.00	RT	18.8									1
267+91.50 TO 267+98.00	RT					7.0					
267+98.50	RT	21.4									1
267+99.00 TO 271+00.00	RT		122.2				301.0				
269+50.00	RT		5.5			4.0					
269+59.00	RT	16.8									1
270+95.00 TO 270+96.50	RT					14.5		7			
270+95.00 TO 271+00.00	RT		8.4			6.5					
270+96.00	RT	15.2									1
271+01.00	RT	20.4									1
271+01.50 TO 272+10.00	RT		56.9				108.5				
272+10.00	RT				20						
272+10.00 TO 272+12.00	RT					6.0					
272+11.00	RT	21.0									1
272+11.00	RT	40.7								1	
272+13.00	RT	15.0									1
272+13.00 TO 272+13.50	RT					14.0					
273+23.19 Ex SN 021-0028				0.5							
274+20.60	RT	38.5								1	
274+26.70	RT				24						
274+27.00	RT	15.0									1
274+27.00 TO 274+29.50	RT		14.6			14.0		7			
STAGE 2											
IL 130											
267+92.00	LT	18.9									1
267+92.00	CL								1.1		
269+57.00	LT	16.8									1
269+58.00	CL								1.0		
270+96.50 TO 270+97.00	LT					16.0		8			
270+97.00	LT	15.0									1
272+13.50 TO 272+15.00	LT					16.0					
272+14.50	LT	15.0									1
273+23.19 Ex SN 021-0028				0.5							
274+29.50 TO 274+32.00	LT		16.7			16.0		**8**			
274+32.00	LT	14.7									1
PROJECT TOTAL			**225**	**1**	**44**	**114**	**410**	**30**	**2.1**	**2**	**13**

* SEE OTHER SECHEDULES FOR ADDITIONAL QUANTITY

MODEL: Default
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	DRAWN -	REVISED -	
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PLOT DATE = 7/11/2019 - 11:00:27 AM	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	20
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

PAVEMENT REMOVAL

LOCATION STATION TO STATION	SIDE	COMMENTS	PAVEMENT REMOVAL 44000100	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT 40600982	HOT-MIX ASPHALT SURFACE REMOVAL, 2" 44000157	CURB REMOVAL 44000300	COMBINATION CURB AND GUTTER REMOVAL 44000500	SIDEWALK REMOVAL 44000600	DRIVEWAY PAVEMENT REMOVAL 44000200	PARKING LOT PAVEMENT REMOVAL X4404000
			SQ YD	SQ YD	SQ YD	FOOT	FOOT	SQ FT	SQ YD	SQ YD
DOUGLAS COUNTY										
PRE-STAGE										
IL 130										
272+57.51 TO 273+89.50	LT	SB BRIDGE DECK			222.9					
STAGE 1										
IL 130										
266+69.00 TO 266+86.00	RT							175		
266+81.92 TO 266+97.34	RT									1.2
266+82.00 TO 266+87.00	RT						6			
267+35.00 TO 272+35.00	RT						501			
267+90.00 TO 268+30.00	RT									42.4
268+13.00 TO 268+31.00	RT	RESTAURANT							12	
271+03.77 TO 272+31.91	RT		120.0							
272+35.00 TO 272+50.00	RT					14.4				
273+84.00 TO 274+00.00	RT					15.8				
274+00.00 TO 277+08.00	RT						312			
274+15.00 TO 274+63.94	RT		44.8							
274+67.00 TO 274+90.00	RT	CEMETERY							30	
275+35.37 TO 275+61.00	LT							248		
275+47.00 TO 275+92.00	LT	SCHOOL							329	
275+65.00 TO 275+88.00	LT	SCHOOL				120.5				
275+83.00 TO 276+33.00	LT							294		
275+85.00 TO 276+02.00	LT	SCHOOL				85.7				
276+59.00 TO 276+79.00	RT	CEMETERY							24	
STAGE 2										
IL 130										
266+75.00 TO 272+49.00	LT						586			
266+76.00 TO 272+63.50	LT							3,524		
266+80.00 TO 266+87.00	LT					12.2				
266+91.00 TO 268+10.00	LT					122.0				
266+95.00 TO 269+38.00	LT									167.3
266+97.34 TO 267+90.00	RT									112.1
271+03.77 TO 272+31.91	LT		252.8							
272+49.00 TO 272+61.00	LT					12.5				
273+97.00 TO 274+09.00	LT					11.9				
273+99.00 TO 275+35.37	LT							764		
274+09.00 TO 278+05.00	LT						400			
274+15.00 TO 274+72.24	LT		105.9							
STAGE 3										
IL 130										
268+60.00 TO 269+82.51	LT/RT			423.0						
275+35.03 TO 276+45.02	LT/RT			318.0						
		PROJECT TOTAL	**524**	**741**	**223**	**395**	**1,805**	**5,004**	**396**	**323**

SIDEWALK

LOCATION STATION TO STATION	SIDE	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH 42400200	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH, SPECIAL X4240460	DETECTABLE WARNINGS 42400800	* PROTECTIVE COAT 42001300	TEMPORARY SIDEWALK Z0007430	TEMPORARY FENCE (SPECIAL) X2011000
		SQ FT	SQ FT	SQ FT	SQ YD	SQ FT	FOOT
DOUGLAS COUNTY							
STAGE 1							
IL 130							
266+84.00	RT			10.0			
266+81.76 TO 266+95.62	RT	98.9			11.0		
266+91.00 TO 268+13.00	RT						127.7
267+90.00 TO 268+13.14	RT					107.5	
268+46.02 TO 271+03.77	RT					1,222.1	
274+38.62 TO 274+70.00	RT						31.4
274+55.10 TO 276+53.83	RT					980.0	
274+56.79 TO 274+70.00	RT						13.5
274+87.00 TO 276+47.50	RT						161.4
275+35.37 TO 275+56.47	LT					95.8	
275+46.92 TO 276+31.00	LT	618.0			68.7		
275+73.00	LT			19.6			
276+27.00	LT			11.4			
276+47.83 TO 276+53.83	LT					59.4	
276+51.00	LT			10.0			
276+51.00	RT			10.0			
STAGE 2							
IL 130							
266+76.10 TO 267+03.46	LT	210.8			23.4		
266+81.00 TO 266+88.00	LT						
266+86.00	LT			19.3			
266+91.00 TO 269+44.00	LT						
267+03.43 TO 271+42.92	LT	4,003.6			446.3		
274+74.51 TO 274+94.96	LT		253.7		31.7		
274+94.96 TO 275+46.92	LT	558.0			62.0		
PROJECT TOTAL		**5,489.5**	**254.0**	**81**	**644**	**2,465**	**334**

* SEE OTHER SCHEDULES FOR ADDITIONAL QUANTITIES

PAVEMENT CONNECTOR

LOCATION STATION TO STATION	SIDE	BRIDGE APPROACH PAVEMENT CONNECTOR (SPECIAL) X4201410	* SUBBASE GRANULAR MATERIAL, TYPE B 4" 31101200
		SQ YD	SQ YD
DOUGLAS COUNTY			
STAGE 1			
IL 130			
271+03.77 TO 271+26.72	RT	47.3	40.4
274+38.99 TO 274+63.94	RT	35.6	28.6
STAGE 2			
IL 130			
271+03.77 TO 271+46.17	LT	140.0	127.8
274+48.97 TO 274+81.39	LT	62.4	50.2
PROJECT TOTAL		**286**	**247**

* SEE OTHER SCHEDULES FOR ADDITIONAL QUANTITIES

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	DRAWN -	REVISED -	
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PLOT DATE = 5/24/2019 - 12:04:25 PM	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	21
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

HOT-MIX ASPHALT PAVEMENT

LOCATION STATION TO STATION	SIDE	BITUMINOUS MATERIALS (PRIME COAT) 40600275	BITUMINOUS MATERIALS (TACK COAT) 40600290	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 40603310	CLASS SI CONCRETE (OUTLET) 60600095	CONCRETE CURB, TYPE B 60600605	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 60605000	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH 42300400	* PROTECTIVE COAT 42001300	TEMPORARY RAMP 40600990	TEMPORARY PAVEMENT Z0062456	INCIDENTAL HOT-MIX ASPHALT SURFACING 40800050	BASE COURSE WIDENING (VARIABLE DEPTH) 35650600	SUBBASE GRANULAR MATERIAL, TYPE B 4" 31101200	AGGREGATE BASE COURSE, TYPE B 8" 35102000
		POUND	POUND	TON	CU YD	FOOT	FOOT	SQ YD	SQ YD	SQ YD	SQ YD	TON	SQ YD	SQ YD	SQ YD
DOUGLAS COUNTY															
PRE-STAGE															
272+57.51 TO 273+89.50	LT		100.3	25.0											
STAGE 1															
IL 130															
266+81.50 TO 266+86.80	RT						6.0		2.0						
267+34.46 TO 271+03.77	RT						369.3		127.7						
268+29.58	RT							61.0							
267+34.46 TO 268+60.00	RT	32.2											7.7	45.3	
268+60.00 TO 269+82.51	RT	101.3											31.4	66.6	
269+82.51 TO 270+43.54	RT	69.5											24.1	41.6	
270+43.54 TO 270+90.51	RT	61.3											22.0	35.5	
270+90.51 TO 271+03.77	RT	18.5											6.8	10.6	
271+03.77	RT									20.0					
274+56.52 TO 275+03.60	RT	66.7											24.6	25.5	
274+91.62 TO 275+00.61	RT						10.0		3.3						
274+66.12	RT									20.0					
274+78.14	RT										21.9				
275+00.61 TO 275+35.96	RT						35.7		12.3						
275+03.60 TO 275+35.03	RT	23.2											7.5	17.0	
275+35.03 TO 276+45.02	RT													31.5	
275+35.96 TO 277+04.15	RT						168.2		56.1						
276+00.71	LT	940.1				194.3		85.9	21.6		69.1	87.5			392.0
276+45.96 TO 277+04.15	RT													18.9	
276+69.26	RT							24.5							
277+04.15 TO 277+09.15	RT				0.6										

SCHEDULE CONTINUES ON NEXT SHEET

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	22
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

HOT-MIX ASPHALT PAVEMENT

LOCATION STATION TO STATION	SIDE	BITUMINOUS MATERIALS (PRIME COAT) 40600275	BITUMINOUS MATERIALS (TACK COAT) 40600290	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 40603310	CLASS SI CONCRETE (OUTLET) 60600095	CONCRETE CURB, TYPE B 60600605	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 60605000	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH 42300400	* PROTECTIVE COAT 42001300	TEMPORARY RAMP 40600990	TEMPORARY PAVEMENT Z0062456	INCIDENTAL HOT-MIX ASPHALT SURFACING 40800050	BASE COURSE WIDENING (VARIABLE DEPTH) 35650600	SUBBASE GRANULAR MATERIAL, TYPE B 4" 31101200	AGGREGATE BASE COURSE, TYPE B 8" 35102000
		POUND	POUND	TON	CU YD	FOOT	FOOT	SQ YD	SQ YD	SQ YD	SQ YD	TON	SQ YD	SQ YD	SQ YD
STAGE 2															
IL 130															
266+75.45 TO 267+19.37	LT						55.3		21.8						
266+77.79 TO 268+60.00	LT													80.0	
266+81.00 TO 266+88.00	LT					12.7			1.4						
266+91.00 TO 269+44.00	LT					253.1			28.1						
267+19.37 TO 268+60.00	LT	80.0											20.0		
267+19.37 TO 271+03.77	LT						384.4		128.1						
268+60.00 TO 269+82.51	LT	110.8											35.6	70.8	
269+82.51 TO 270+43.54	LT	74.0											26.1	43.6	
270+43.54 TO 270+90.51	LT	64.7											23.5	37.0	
270+90.51 TO 271+03.77	LT	19.2											7.1	10.9	
271+03.77	LT									34.0					
274+92.08 TO 275+55.00	LT						62.9		21.0						
274+66.12	LT									34.0					
274+72.24 TO 275+03.60	LT	45.2											16.6	24.8	
275+03.60 TO 275+35.03	LT	46.9											17.3	26.4	
275+35.03 TO 276+45.02	LT	103.8											35.8	69.6	
275+55.00 TO 276+45.01	LT						90.2		31.0						
276+00.71	LT							40.4							
276+45.02 TO 278+01.74	LT						156.7		52.2						
276+45.02 TO 278+06.74	LT													46.9	
278+01.74 TO 278+06.74	LT				0.6										
STAGE 3															
IL 130															
267+19.37 TO 268+60.00	LT		16.0	2.2											
267+34.46 TO 268+60.00	RT		6.4	0.9											
268+60.00 TO 269+82.51	LT/RT		232.8	54.8											
269+82.51 TO 270+43.54	LT/RT		116.0	34.2											
270+43.54 TO 270+90.51	LT/RT		134.3	35.5											
270+90.51 TO 271+03.77	LT/RT		37.8	11.6											
274+66.12 TO 275+03.60	LT/RT		106.8	28.2											
274+56.79 TO 274+91.62	RT						33.8		11.3						
274+78.14	RT							21.2							
275+03.60 TO 275+35.03	LT/RT		55.5	16.3											
275+35.03 TO 276+45.02	LT/RT		170.2	39.7											
PROJECT TOTAL		**1,858**	**977**	**249**	**1.2**	**460.5**	**1,373.0**	**234**	**518**	**108**	**92**	**88**	**307**	**703**	**392**

* SEE OTHER SCHEDULES FOR ADDITIONAL QUANTITIES

MODEL: Default
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	DRAWN -	REVISED -	
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PLOT DATE = 5/28/2019 - 8:33:48 AM	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	23
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

DRAINAGE

LOCATION STATION TO STATION	ITEM NUMBER	SIDE	OFFSET	* TRENCH BACKFILL 20800150	STORM SEWERS, CLASS A, TYPE 2 12" 550A0340	STORM SEWERS, CLASS A, TYPE 2 15" 550A0360	STORM SEWERS, CLASS A, TYPE 2 18" 550A0380	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME AND CLOSED LID 60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 4 FRAME AND GRATE 60218600	INLETS, TYPE A, TYPE 3 FRAME AND GRATE 60235700	INLETS, TYPE B, TYPE 3 FRAME AND GRATE 60240220	INLETS, TYPE B, TYPE 4 FRAME AND GRATE 60240225	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" 54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18" 54213663
			FOOT	CU YD	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	EACH	EACH	EACH
DOUGLAS COUNTY														
STAGE 1														
IL 130														
267+91.00	S2	RT	20.00							1				
267+91.00 TO 268+00.00	P2	RT		1.9	7									
268+00.00	S3	RT	23.28					1						
268+00.00 TO 268+68.00	P3	RT		50.0			64							
268+65.00	S17	RT	20.00							1				
268+66.00 TO 268+68.00	P17	RT		0.6	3									
268+68.00	S22	RT	23.28					1						
268+68.00 TO 269+45.00	P22	RT		69.3			74							
269+45.00	S6	RT	20.00								1			
269+45.00	S4	RT	30.59					1						
269+45.00 TO 270+25.00	P6	RT		79.3			77							
269+45.00	P5	RT		7.0	9									
270+25.00	S19	RT	20.00							1				
270+25.00	S21	RT	27.00					1						
270+25.00	P19	RT		1.4	5									
270+25.00 TO 270+96.00	P21	RT		75.8			68							
270+96.00	P7	RT		17.2			17							
270+96.00	S8	RT	20.00								1			
270+96.00	S9	RT	30.00					1						
270+96.00	P8	RT		8.3	8									
270+96.00 TO 271+28.17	P9	RT					36							
271+28.17	S10	RT	48.31											1
274+27.49	S13	RT	43.81										1	
274+27.49 TO 274+42.49	P11	RT				20								
274+44.00	S31	RT	29.50					1						
274+44.00 TO 274+52.00	P34	RT		1.4		11								
274+52.00 TO 275+50.00	P33	RT		33.6	97									
274+52.00	S12	RT	19.29						1					
274+52.00 TO 274+60.50	P10	RT		5.3	19									
275+50.00	S29	RT	15.10							1				

SCHEDULE CONTINUES ON NEXT SHEET

MODEL: Default
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	DRAWN -	REVISED -	
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 5/24/2019 - 12:04:39 PM	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N.T.S. | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	24
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

DRAINAGE

LOCATION STATION TO STATION	ITEM NUMBER	SIDE	OFFSET	* TRENCH BACKFILL 20800150	STORM SEWERS, CLASS A, TYPE 2 12" 550A0340	STORM SEWERS, CLASS A, TYPE 2 15" 550A0360	STORM SEWERS, CLASS A, TYPE 2 18" 550A0380	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME AND CLOSED LID 60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 4 FRAME AND GRATE 60218600	INLETS, TYPE A, TYPE 3 FRAME AND GRATE 60235700	INLETS, TYPE B, TYPE 3 FRAME AND GRATE 60240220	INLETS, TYPE B, TYPE 4 FRAME AND GRATE 60240225	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" 54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18" 54213663
			FOOT	CU YD	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	EACH	EACH	EACH
STAGE 2														
IL 130														
267+91.00	S1	LT	20.00							1				
267+92.00 TO 268+00.00	P1	LT		49.2	75									
268+65.00	S18	LT	20.00							1				
268+66.00 TO 268+68.00	P24	LT		0.6	4									
268+68.00	S24	LT	24.16					1						
268+68.00 TO 269+50.00	P25	LT		64.0			79							
269+45.00	S5	LT	20.00							1				
269+45.00 TO 269+50.00	P4	LT		5.0	12									
269+50.00 TO 270+25.00	P26	LT		60.9			72							
269+50.00	S25	LT	33.00					1						
270+25.00	S20	LT	20.00							1				
270+25.00	S26	LT	36.00					1						
270+25.00	P27	LT		4.6	14									
270+25.00 TO 270+96.00	P28	LT		64.7			67							
270+96.00	S7	LT	20.00								1			
270+96.00	S27	LT	36.00					1						
270+96.00	P29	LT		14.8			14							
270+96.00	P7	LT		27.1			11							
274+60.50 TO 274+70.00	P10	LT		9.3	23									
274+70.00	S11	LT	19.29									1		
274+71.00 TO 275+49.00	P31	LT		28.1	78									
275+50.00	S28	LT	20.00							1				
			PROJECT TOTAL	**679**	**354**	**31**	**579**	**10**	**1**	**9**	**3**	**1**	**1**	**1**

NOTE: STORM SEWER PIPE STATIONS ARE BASED ON THE CENTER OF THE STRUCTURE THEY CONNECT INTO.

* SEE OTHER SCHEDULES FOR ADDITIONAL QUANTITY

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PLOT DATE = 5/24/2019 - 12:04:42 PM	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	25
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

GUARDRAIL

LOCATION STATION TO STATION	SIDE	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS 63000001	TRAFFIC BARRIER TERMINAL, TYPE 2 63100045	TRAFFIC BARRIER TERMINAL, TYPE 6 63100085	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT 63100167	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2 64300240	BACK SIDE PROTECTION OF GUARDRAIL 63000035	GUARDRAIL REFLECTORS, TYPE A 78200005	TERMINAL MARKER - DIRECT APPLIED 72501000
		FOOT	EACH	EACH	EACH	EACH	FOOT	EACH	EACH
DOUGLAS COUNTY									
IL 130									
267+66.87 TO 267+79.37	LT		1				12.5		
267+79.37 TO 270+66.87	LT	287.5					287.5	4	
270+32.19 TO 270+82.19	RT				1			1	
270+32.19	RT								1
270+66.87 TO 271+06.27	LT			1			39.5	1	
270+82.19 TO 271+21.59	RT			1				1	
274+94.96	LT					1			
PROJECT TOTAL		**287.5**	**1**	**2**	**1**	**1**	**339.5**	**7**	**1**

CHANGEABLE MESSAGE SIGN

LOCATION STATION TO STATION	NUMBER OF SIGNS	DAYS PER SIGN	CHANGEABLE MESSAGE SIGN 70107025
	EACH	DAY	CAL DAY
DOUGLAS COUNTY			
IL 130 NB	1	7	7
IL 130 SB	1	7	7
PROJECT TOTAL			**14**

NOTE: CMS USED FOR NOTICE OF CONSTRUCTION START DATE

CHAIN LINK FENCE

LOCATION STATION TO STATION	SIDE	CHAIN LINK FENCE, 6' 66400305
		FOOT
DOUGLAS COUNTY		
IL 130		
269+43.81 TO 271+46.42	LT	202.6
274+66.02 TO 275+53.93	LT	94.3
PROJECT TOTAL		**297**

R.O.W. MARKERS

LOCATION STATION TO STATION	SIDE	OFFSET	FURNISHING AND ERECTING R.O.W. MARKERS 66600105
			EACH
DOUGLAS COUNTY			
IL 130			
269+05.00	RT	30.00	1
269+05.00	RT	75.00	1
269+43.50	LT	35.00	1
270+45.00	LT	50.00	1
270+45.00	LT	80.00	1
274+47.00	RT	75.00	1
274+47.00	RT	30.00	1
275+40.00	LT	80.00	1
275+40.00	LT	50.00	1
276+50.00	LT	50.00	1
276+50.00	LT	26.00	1
PROJECT TOTAL			**11**

PARAPET RAILING

LOCATION STATION TO STATION	SIDE	COMMENTS	* PARAPET RAILING 50901750
			FOOT
DOUGLAS COUNTY			
IL 130			
271+03.77 TO 271+40.85	LT	CONNECTOR PAVEMENT	37
274+60.33 TO 274+75.70	LT	CONNECTOR PAVEMENT	15
PROJECT TOTAL			**52**

* SEE STRUCTURE PLANS BILL OF MATERIALS FOR ADDITIONAL QUANTITY

MODEL: Default
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	26
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			

TEMPORARY CONCRETE BARRIER

LOCATION STATION TO STATION	SIDE	TEMPORARY CONCRETE BARRIER 70400100	RELOCATE TEMPORARY CONCRETE BARRIER 70400200	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2 70600255	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2 70600322
		FOOT	FOOT	EACH	EACH
DOUGLAS COUNTY					
STAGE 1					
IL 130					
270+38.00 TO 275+46.00	LT	512.5			
270+38.00	RT			1	
275+46.00	RT			1	
STAGE 2					
IL 130					
270+38.00 TO 275+19.00	RT		487.5		
270+38.00	LT				1
275+19.00	LT				1
PROJECT TOTAL		**512.5**	**487.5**	**2**	**2**

TEMPORARY DRAINAGE

LOCATION STATION TO STATION	SIDE	COMMENTS	TEMPORARY STORM SEWER 12" X1200044
			FOOT
DOUGLAS COUNTY			
STAGE 1			
IL 130			
269+46.00 TO 269+59.00	RT	FILL AFTER NO LONGER NEEDED	15
274+32.00	LT	REMOVE AFTER NO LONGER NEEDED	20
PROJECT TOTAL			**35**

PAVEMENT MARKING REMOVAL

LOCATION STATION TO STATION	SIDE	DESCRIPTION	PAVEMENT MARKING REMOVAL - WATER BLASTING X0327980
			LINE 4" YELLOW FOOT
DOUGLAS COUNTY			
STAGE 1			
IL 130			
267+72.00 TO 269+99.00	RT/CL	DOUBLE SOLID CL	151
268+38.00 TO 269+16.00	LT/CL	DOUBLE SOLID CL	52
269+99.00 TO 271+04.00	CL	SKIP DASH CL	9
274+65.00 TO 276+70.00	CL	SKIP DASH CL	17
PROJECT TOTAL			**230**

RAISED REFLECTIVE PAVEMENT MARKERS

LOCATION STATION TO STATION	SIDE	RAISED REFLECTIVE PAVEMENT MARKER 78100100	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL 78300200
		TWO-WAY AMBER	
		EACH	EACH
DOUGLAS COUNTY			
STAGE 1			
IL 130			
268+60.00 TO 269+99.00	CL		8
269+99.00 TO 270+20.00	CL		1
275+61.00 TO 277+21.00	CL		2
STAGE 3			
IL 130			
268+60.00 TO 269+99.00	CL	8	
269+99.00 TO 271+03.77	CL	2	
274+66.12 TO 277+21.00	CL	4	
PROJECT TOTAL		**14**	**11**

TEMPORARY PAVEMENT MARKING

LOCATION STATION TO STATION	SIDE	DESCRIPTION	* TEMPORARY PAVEMENT MARKING (FOR INFORMATION ONLY) 70300220 LINE 4" WHITE FOOT	* TEMPORARY PAVEMENT MARKING (FOR INFORMATION ONLY) 70300280 LINE 24" WHITE FOOT	TEMPORARY PAVEMENT MARKING REMOVAL X7030005 LINE 4" WHITE SQ FT	TEMPORARY PAVEMENT MARKING REMOVAL X7030005 LINE 24" WHITE SQ FT
DOUGLAS COUNTY						
STAGE 1						
IL 130						
267+72.00 TO 276+51.00	RT		881		291	
270+86.00 TO 274+95.00	LT		410		136	
266+00.00 TO 266+00.00	RT	STOP BAR		26		52
266+16.00 TO 266+50.00	LT	STOP BAR		34		68
266+41.00 TO 266+73.00	RT	STOP BAR		33		66
266+92.00 TO 266+93.00	LT	STOP BAR		30		60
276+70.00 TO 276+70.00	LT	STOP BAR		13		26
STAGE 2						
IL 130						
269+20.00 TO 275+34.00	LT		610		202	
270+86.00 TO 275+35.00	RT		450		149	
276+48.00	CL	CROSSWALK	26			
276+54.00	CL	CROSSWALK	26			
COLOR SUBTOTAL					**778**	**272**
PROJECT TOTAL			**2,403**	**136**	**1,050**	

* INCLUDED IN THE COST OF HIGHWAY STANDARD 701321 (SPECIAL)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	27
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

PAVEMENT MARKING

LOCATION STATION TO STATION	SIDE	DESCRIPTION	THERMOPLASTIC PAVEMENT MARKING					PAINT PAVEMENT MARKING		GROOVING FOR RECESSED PAVEMENT MARKING				
			78000200		78000600	78000650	78000100	78001110		X7830070		X7830078	X7830090	X7830060
			LINE 4"		LINE 12"	LINE 24"	LETTERS AND SYMBOLS	LINE 4"		5"		13"	25"	LETTERS AND SYMBOLS
			WHITE	YELLOW	YELLOW	WHITE	WHITE	WHITE	YELLOW	WHITE	YELLOW	YELLOW	WHITE	WHITE
			FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT
DOUGLAS COUNTY														
IL 130														
266+92.00 TO 267+73.00	LT	SOLID - TURN LANE	81							81				
266+92.00 TO 269+09.00	RT	DOUBLE SOLID-MEDIAN		434							434			
267+73.00 TO 269+09.00	RT/LT	DOUBLE SOLID-MEDIAN		274							274			
269+09.00 TO 269+99.00	RT	DOUBLE SOLID-MEDIAN		180							180			
268+33.00 TO 269+09.00	LT	SOLID - EDGE LINE	76							76				
269+09.00 TO 275+55.00	LT	SOLID - EDGE LINE						646						
267+97.00 TO 269+09.00	RT	SOLID - EDGE LINE	112							112				
269+09.00 TO 275+36.00	RT	SOLID - EDGE LINE						627						
269+99.00 TO 278+07.00	RT	SKIP DASH - CENTERLINE							202					
267+73.00 TO 269+09.00	RT	DIAGONAL - MEDIAN			43							43		
266+92.00	RT/LT	STOP BAR				32							32	
267+10.00	LT	LEFT TURN ARROW					16							16
267+73.00	LT	LEFT TURN ARROW					16							16
COLOR SUBTOTAL			**269**	**888**				**1,273**	**202**	**269**	**888**			
PROJECT TOTAL			**1,157**		**43**	**32**	**32**	**1,475**		**1,157**		**43**	**32**	**32**

SHORT TERM PAVEMENT MARKING

LOCATION STATION TO STATION	SIDE	DESCRIPTION	SHORT TERM PAVEMENT MARKING		PAVEMENT MARKING REMOVAL	
			70300100		70300150	
			LINE 4"	LINE 4"	LINE 4"	LINE 4"
			WHITE	YELLOW	WHITE	YELLOW
			FOOT	FOOT	SQ FT	SQ FT
DOUGLAS COUNTY						
IL 130						
266+92.00 TO 267+73.00	LT	TURN LANE	9		3.0	
266+92.00 TO 267+73.00	RT	MEDIAN		9		3.0
267+73.00 TO 269+16.00	RT/LT	MEDIAN		29		9.7
269+16.00 TO 269+99.00	RT	MEDIAN		9		3.0
268+33.00 TO 269+09.00	LT	EDGE	4		1.3	
269+09.00 TO 275+55.00	LT	EDGE	26		8.7	
267+97.00 TO 269+27.00	RT	EDGE	6		2.0	
269+27.00 TO 275+36.00	RT	EDGE	25		8.3	
269+99.00 TO 278+07.00	RT	CENTERLINE		81		27.0
COLOR SUBTOTAL			**70**	**128**	**23.3**	**42.7**
PROJECT TOTAL			**198**		**66**	

LONGITUDINAL JOINT SEALANT

LOCATION STATION TO STATION	SIDE	LONGITUDINAL JOINT SEALANT Z0033700
		FOOT
DOUGLAS COUNTY		
IL 130		
268+60.00 TO 271+03.77	CL	244
274+66.12 TO 276+45.02	CL	179
PROJECT TOTAL		**423**

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	DRAWN -	REVISED -	**DEPARTMENT OF TRANSPORTATION**
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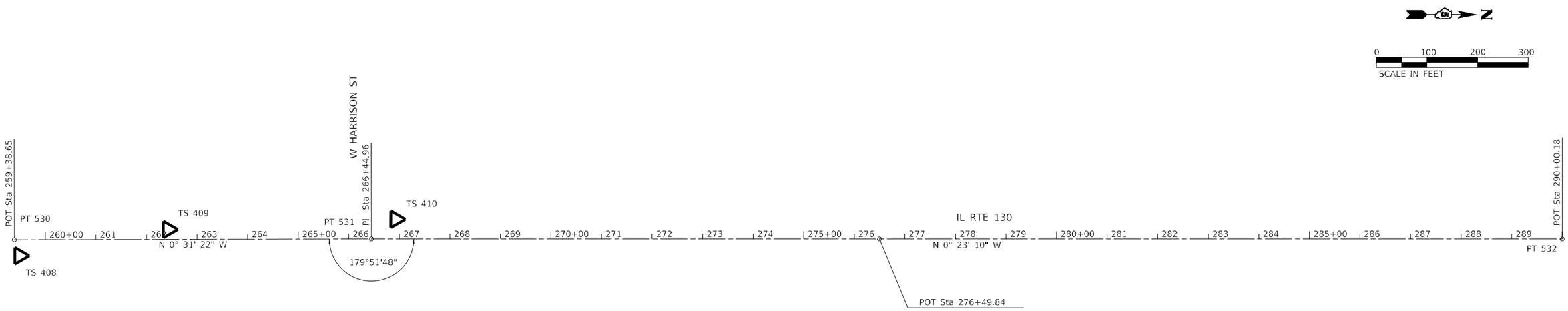
SCHEDULE OF QUANTITIES

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	28
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		



CONTROL POINTS

IL 130						
POINT NO.	NORTHING	EASTING	STATION	OFFSET	CODE	DESCRIPTION
530	1,164,061.3110	1,032,805.9260	259+38.65	0.00'	-	POT (MAG NAIL)
408	1,164,072.0370	1,032,837.5510	259+49.09	31.72'		IP w/ CAP
409	1,164,365.1730	1,032,783.6200	262+42.70	-19.53'		IP w/ CAP
531	1,164,767.5900	1,032,799.4830	266+44.96	0.00'		PI (DISK IN VAULT)
410	1,164,815.2130	1,032,760.1750	266+92.85	-38.98'		IP
	1,165,772.4488	1,032,792.7136	276+49.84	0.00'		POT (MAG NAIL)
532	1,167,122.7620	1,032,783.6170	290+00.18	0.00'		POT

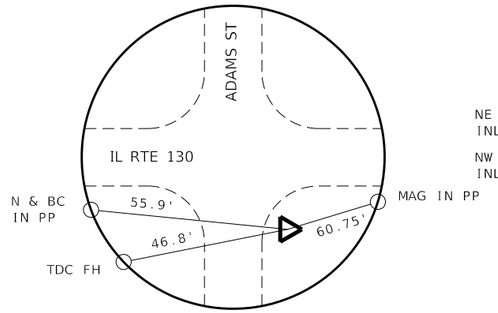
BENCHMARKS

NO PERMANENT BENCHMARKS WERE SET ALONG THIS PROJECT

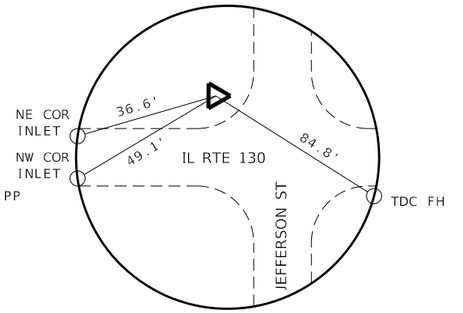
THE MAJORITY OF THE PROJECT WAS SURVEYED BY MEANS OF REAL-TIME GPS. THE ELEVATIONS THAT ARE LEFT ON THE PROJECT ARE GPS ELEVATIONS ON THE TRAVERSE STATIONS.

HORIZONTAL & GPS CONTROL - GRID STATE PLANE COORDINATES WERE USED IL EAST NAD 83 DATUM WITH A 2011-EF ADJUSTMENT FOR HORIZONTAL CONTROL AND NAVD 88 DATUM WITH A GEOID 12A WAS USED FOR THE VERTICAL CONTROL

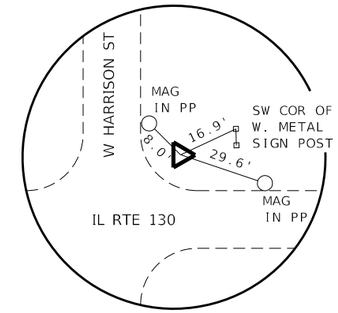
VERTICAL CONTROL - NAVD 88 DATUM



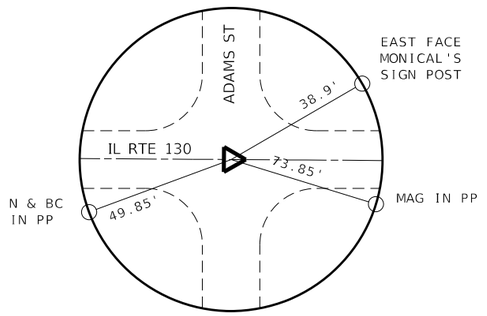
TS 408
STA 259+49.09, 31.72' RT
IP w/ CAP



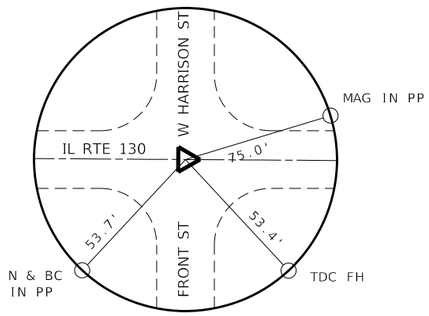
TS 409
STA 262+42.70, 19.53' LT
IP w/ CAP



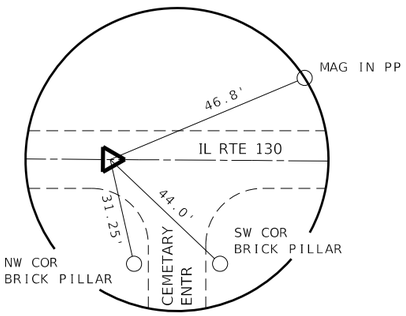
TS 410
STA 266+92.85, 38.98' LT
IP



PI 20 (PT 530)
STA 259+38.65, 0.00'
MAG NAIL



PI 17 (PT 531)
STA 266+44.96, 0.00'
VAULT SECTION CORNER



POT 18
STA 276+49.84, 0.00'
MAG NAIL

MODEL: Default
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	DRAWN -	REVISED -	
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PLOT DATE = 4/12/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 130 OVER EMBARRAS RIVER
ALIGNMENTS, TIE POINTS & BENCHMARKS

SCALE: 1"=100' | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	29
		CONTRACT NO. 70545		
		ILLINOIS	FED. AID PROJECT	

0 20 40 60
SCALE IN FEET

HARRISON AVE.
EXISTING R.O.W.
PARKING LOT REMOVAL (TYP.)
SIDEWALK REMOVAL (TYP.)
COMBINATION CC & G / CURB REMOVAL (TYP.)
GUARDRAIL REMOVAL (TYP.)
TREE REMOVAL (TYP.)
EXISTING R.O.W.
PR TEMP. EASEMENT
PROPOSED R.O.W.
269+84
39' LT
269+88
25' LT
EXIST. ROW LINE
PI Sta 266+44.96
12" RCP
INLET REMOVAL
INLET REMOVAL
INLET REMOVAL
INLET REMOVAL
MANHOLE REMOVAL
FILL EXISTING STORM SEWERS
PIPE TEE
EXISTING R.O.W.
FILL EXISTING STORM SEWERS
PR TEMP. EASEMENT
DRIVEWAY PAVEMENT REMOVAL (TYP.)
PROPOSED R.O.W.
STA. 270+00.00 MATCHLINE
℄ F.A.P. 808
IL 130
264
265+00
266
267
268
269
S 70° E

TREE REMOVAL	HMA SURFACE REMOVAL, VARIABLE DEPTH
DRAINAGE STRUCTURE TO BE REMOVED	PAVEMENT REMOVAL
STORM SEWER / PIPE CULVERT REMOVAL	SIDEWALK REMOVAL
GUARDRAIL REMOVAL	REMOVAL OF EXISTING STRUCTURES
COMB. CONC. CURB AND GUTTER / CURB REMOVAL	PARKING LOT REMOVAL
TREE REMOVAL, ACRES	FENCE REMOVAL
APPROACH SLAB REMOVAL	DRIVEWAY PAVEMENT REMOVAL

NOTE: THE REMOVAL OF THE EXISTING APPROACH SLAB IS INCLUDED IN THE COST OF THE REMOVAL OF THE EXISTING STRUCTURES.

MODEL: Default
FILE NAME: ...\D5705455-hh-removal.dgn

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	DRAWN -	REVISED -
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PLOT DATE = 5/24/2019 - 12:05:18 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
IL 130

SCALE: 1" = 20' | SHEET OF SHEETS | STA. 264+00.00 | TO STA. 270+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	30
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

0 20 40 60
SCALE IN FEET

STA. 270+00.00 MATCHLINE

STA. 276+00.00 MATCHLINE

270+00

271

272

273

274

275+00

C.F.A.P. 808
IL 130

C.F.A.P. 808
IL 130

4" ST 70

PROPOSED R.O.W.

EXISTING R.O.W.

271+00
70' LT

271+30
71' LT

271+79
70' LT

270+75
61' LT

270+50
39' LT

273+16
69' LT

273+52
68' LT

273+90
68' LT

273+96
53' LT

274+16
55' LT

274+16
54' LT

274+69
54' LT

273+49
27' LT

273+17
24' LT

274+69
26' LT

TREE REMOVAL (TYP.)

DRIVEWAY PAVEMENT REMOVAL (TYP.)

PR TEMP. EASEMENT

SIDEWALK REMOVAL (TYP.)

STORM SEWER REMOVAL (TYP.)

INLET REMOVAL

FENCE REMOVAL (TYP.)

12" RCP

18" RCP

MANHOLE REMOVAL

DRAINAGE STRUCTURE TO BE REMOVED (TYP.)

COMBINATION CC & G / CURB REMOVAL (TYP.)

REMOVE CONCRETE END SECTION

REMOVE CONCRETE END SECTION

PR TEMP. EASEMENT

DRIVEWAY PAVEMENT REMOVAL

SERVICE TO CTV

SEE SCHEDULE FOR INDIVIDUAL TREE REMOVAL LOCATIONS

- TREE REMOVAL
- DRAINAGE STRUCTURE TO BE REMOVED
- STORM SEWER / PIPE CULVERT REMOVAL
- GUARDRAIL REMOVAL
- COMB. CONC. CURB AND GUTTER / CURB REMOVAL
- TREE REMOVAL, ACRES
- APPROACH SLAB REMOVAL
- HMA SURFACE REMOVAL, VARIABLE DEPTH
- PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- REMOVAL OF EXISTING STRUCTURES
- PARKING LOT REMOVAL
- FENCE REMOVAL
- DRIVEWAY PAVEMENT REMOVAL

NOTE: THE REMOVAL OF THE EXISTING APPROACH SLAB IS INCLUDED IN THE COST OF THE REMOVAL OF THE EXISTING STRUCTURES.

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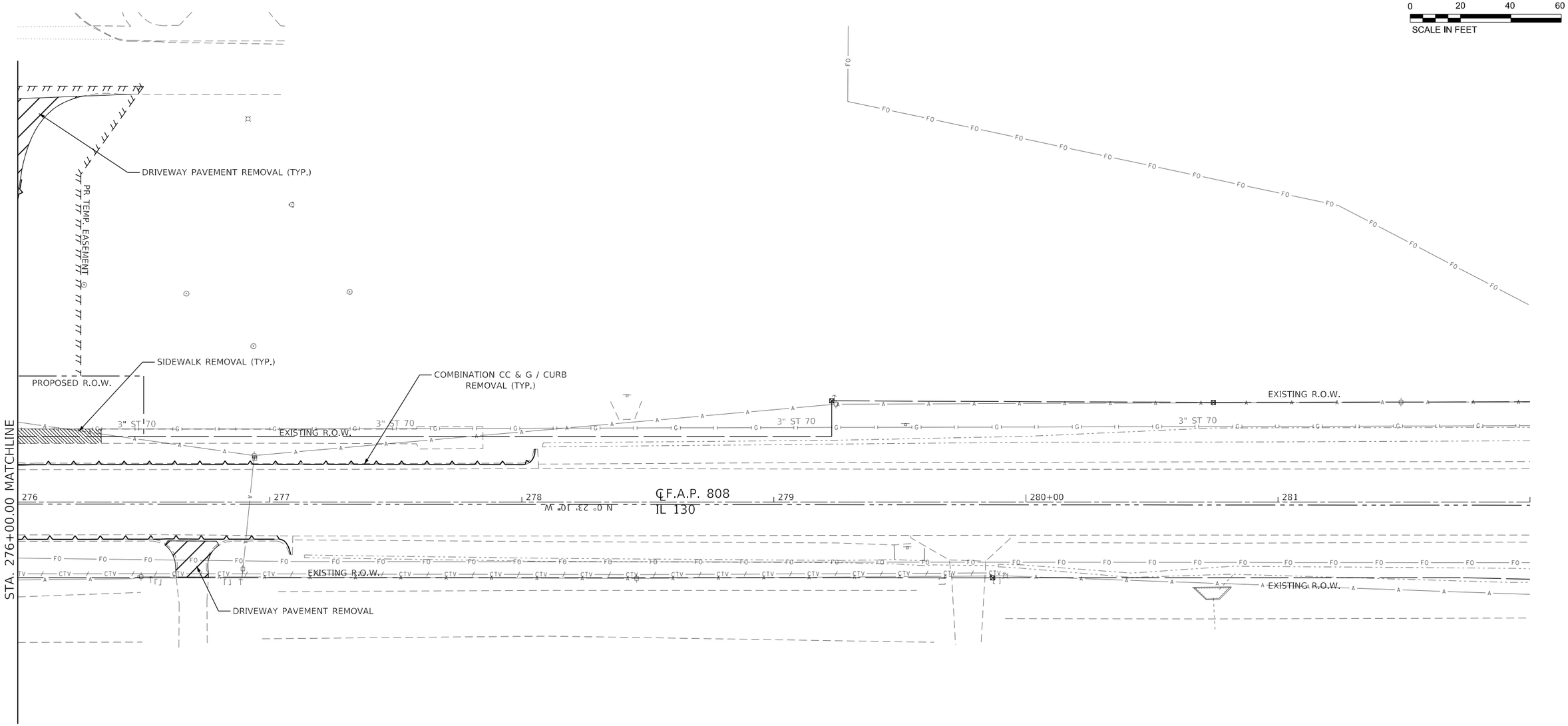
PLOT DATE = 5/24/2019 - 12:05:18 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
IL 130

SCALE: 1" = 20' | SHEET OF SHEETS | STA. 270+00.00 TO STA. 276+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	31
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		



⊗	TREE REMOVAL
⊠	DRAINAGE STRUCTURE TO BE REMOVED
	STORM SEWER / PIPE CULVERT REMOVAL
	GUARDRAIL REMOVAL
	COMB. CONC. CURB AND GUTTER / CURB REMOVAL
	TREE REMOVAL, ACRES
	APPROACH SLAB REMOVAL
	HMA SURFACE REMOVAL, VARIABLE DEPTH
	PAVEMENT REMOVAL
	SIDEWALK REMOVAL
	REMOVAL OF EXISTING STRUCTURES
	PARKING LOT REMOVAL
	FENCE REMOVAL
	DRIVEWAY PAVEMENT REMOVAL

NOTE: THE REMOVAL OF THE EXISTING APPROACH SLAB IS INCLUDED IN THE COST OF THE REMOVAL OF THE EXISTING STRUCTURES.

MODEL: Default
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PLOT DATE = 5/24/2019 - 12:05:19 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN
IL 130

SCALE: 1" = 20' | SHEET OF SHEETS | STA. 270+00.00 | TO STA. 276+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	32
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

SEC 10, T 16 N, R 9 E, 3RD PM

SEC 3, T 16 N, R 9 E, 3RD PM

SEC 11, T 16 N, R 9 E, 3RD PM

SEC 2, T 16 N, R 9 E, 3RD PM

HARRISON AVE.

SERVICE TO LONGVIEW BANK

SERVICE TO RICK'S MARKET

0 20 40 60
SCALE IN FEET

STA 266+73.79
47.72' LT

DETECTABLE WARNINGS (TYP)

STA 266+92.16
40.00' LT

STA 266+92.85
38.99' LT

STA 267+00.00
35.00' LT

R 60

R 20'

R 48'

266+79.95
41.80' LT

PR TEMP. EASEMENT

PR ROW

EX ROW

PR CONCRETE CURB, TYPE B
LIMITS OF CONSTRUCTION

P.C.C SIDEWALK, 5"

PR STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS

STA 269+43.49
40.00' LT

STA 269+43.50
35.00' LT

EX ROW

4" ST 70

10' SHARED-USE PATH

PR CHAIN LINK FENCE, 6'

PR TRAFFIC BARRIER
TERMINAL TYPE 2

STA 267+19.37
18.00' LT

PR WIDENING

PR B-6.24 CURB AND GUTTER

PI Sta 266+44.96

264 265+00 266 267 268 269

C.F.A.P. 808
IL 130

18'

12" RCP

STA 267+34.46
18.00' RT

PR B-6.24 CURB AND GUTTER

STA 268+00.00
18.00' RT

PR WIDENING

STA 266+85.87
30.97' RT

STA 266+80.67
33.96' RT

EX ROW

PR ROW

PR TEMP. EASEMENT

30'

CE
+29.58

STA 267+35.00
30.00' RT

STA 267+35.00
35.00' RT

DETECTABLE WARNINGS (TYP)

P.C.C SIDEWALK, 5"

RESURFACING BEGINS
STA. 268+60.00

STA 269+05.00
30.00' RT

STA 269+05.00
35.00' RT

EX ROW

LIMITS OF
CONSTRUCTION

PR ROW

STA 269+05.00
75.00' RT

STA 269+43.29
75.00' RT

WETLAND BOUNDARY

STA 266+75.96
65.10' RT

STA 266+75.54
71.13' RT

4" ST 70

STA. 270+00.00 MATCHLINE

PAVEMENT MARKING LEGEND

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

PLAN: SURVEYED, PLOTTED, CHECKED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, CHECKED, B.M. NOTED, STRUCTURE NOTATIONS CHKD, NOTE BOOK, NO., BY, DATE

655			655
650			650
645	EXISTING PROFILE GRADE	PROPOSED PROFILE GRADE	645
640			640
635			635
630			630

647.70

645.87	646.40	646.90	647.35	647.77	647.91	647.91	647.87	647.81	647.72	647.63 647.68	647.54 647.66	647.45 647.64

264+00 264+50 265+00 265+50 266+00 266+50 267+00 267+50 268+00 268+50 269+00 269+50 270+00

MODEL: Default
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PLOT DATE = 5/24/2019 - 12:05:39 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE SHEETS
IL 130

SCALE: 1" = 20' | SHEET OF SHEETS | STA. 264+00.00 | TO STA. 270+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	33
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

BENCHMARK:
TOP OF S.W. WING WALL AT S.W. CORNER
OF THE EXISTING BRIDGE 021-0028
STA 272+60.18, 21' LT, ELEV = 648.40

SEC 3, T 16 N, R 9 E, 3RD PM

EXISTING SN 021-0028
STA 273+23.19
3-SPAN STEEL BEAM BRIDGE
136'-10" BK. TO BK. ABUTMENTS
SKEW 25° LT FORWARD
ON CLOSED ABUTMENTS

IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2
PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH, SPECIAL
SEE ATTENUATOR CONNECTION DETAIL
WETLAND BOUNDARY
STA 273+55.81
80.00' LT
PR ROW
PR BRIDGE FENCE RAILING R-33
RIPRAP A-4 (TYP)
PR PARAPET RAILING
STA 275+75.46
50.12' LT
STA 275+60.00
50.00' LT
STA 275+40.00
80.00' LT
STA 275+40.00
50.00' LT
EX ROW
PR CHAIN LINK FENCE, 6'
R 15'
10' SHARED-USE PATH
P.C.C. SIDEWALK 5"
PR WIDENING
BRIDGE APPROACH PAVEMENT CONNECTOR (SPECIAL)
PR TEMP. EASEMENT
STA 247+86.00
30.00' RT
STA 274+86.00
45.00' RT
STA 274+47.00
30.00' RT
STA 274+47.00
45.00' RT
STA 274+47.00
75.00' RT
SERVICE TO CITY GENERATOR

WETLAND BOUNDARY
STA 270+45.00
80.00' LT
PR ROW
LIMITS OF CONSTRUCTION
BRIDGE APPROACH PAVEMENT CONNECTOR (SPECIAL)
STA 270+45.00
50.00' LT
EX ROW
P.C.C. SIDEWALK, 5"
PR STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
PR CHAIN LINK FENCE, 6'
PR BRIDGE FENCE RAILING R-33
PR PARAPET RAILING
10' SHARED-USE PATH
PR WIDENING
STA. 270+00.00 MATCHLINE
℄ F.A.P. 808 IL 130
270+00
271
272
273
274
275+00
PR B-6.24 CURB AND GUTTER
PR WIDENING
12" RCP
18" RCP
PR BRIDGE FENCE RAILING R-32
PR TRAFFIC BARRIER TERMINAL TYPE 1 (SPECIAL) TANGENT
PR TRAFFIC BARRIER TERMINAL TYPE 6
EX ROW
WETLAND BOUNDARY
STA 270+44.90
75.00' RT
LIMITS OF CONSTRUCTION
PR ROW
10'-11"
8'
12'
12'
8'
5'
18'
18'
13'
16'
78.14'
65'-10 1/8"
65'-0"
65'-0"
65'-10 1/8"
261'-8 1/8"
WETLAND BOUNDARY
STA 273+54.92
75.00' RT
PROPOSED SN 021-0063
STA 272+91.00
4-SPAN 27" STEEL BEAM BRIDGE
255'-1/8" F. TO F. ABUTMENTS
261'-8 1/8" BK. TO BK. ABUTMENTS
SKEW 25° LT FORWARD
ON INTEGRAL ABUTMENTS
SEC 2, T 16 N, R 9 E, 3RD PM
STA. 276+00.00 MATCHLINE

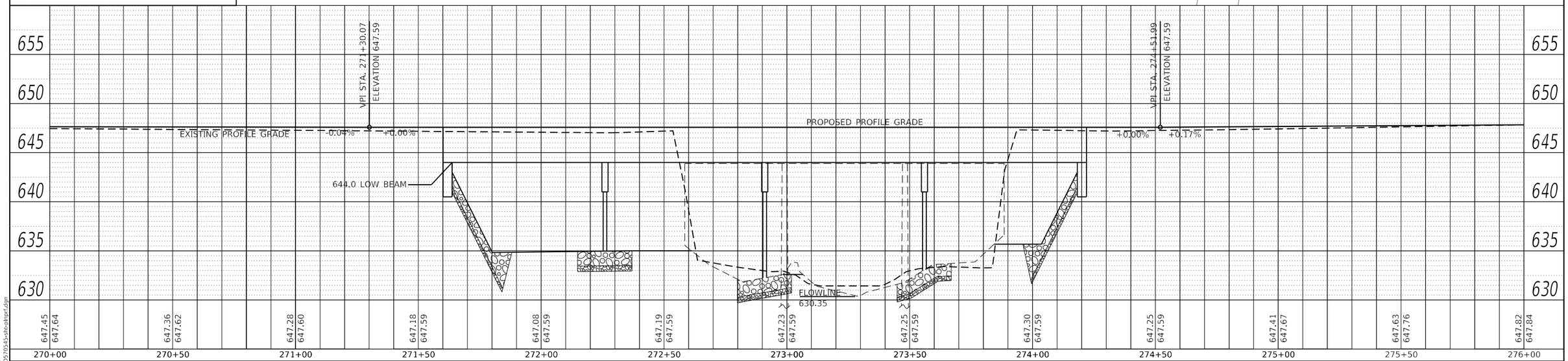
PAVEMENT MARKING LEGEND

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

0 20 40 60
SCALE IN FEET

PLAN — SURVEYED, PLOTTED, DRAWN, CHECKED, NOTE BOOK, NO., BY, DATE

PROFILE — SURVEYED, PLOTTED, DRAWN, CHECKED, NOTE BOOK, NO., BY, DATE, E.M. NOTED, STRUCTURE NOTATIONS CHKD



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PLOT DATE = 5/24/2019 - 12:05:40 PM	DATE -	REVISED -

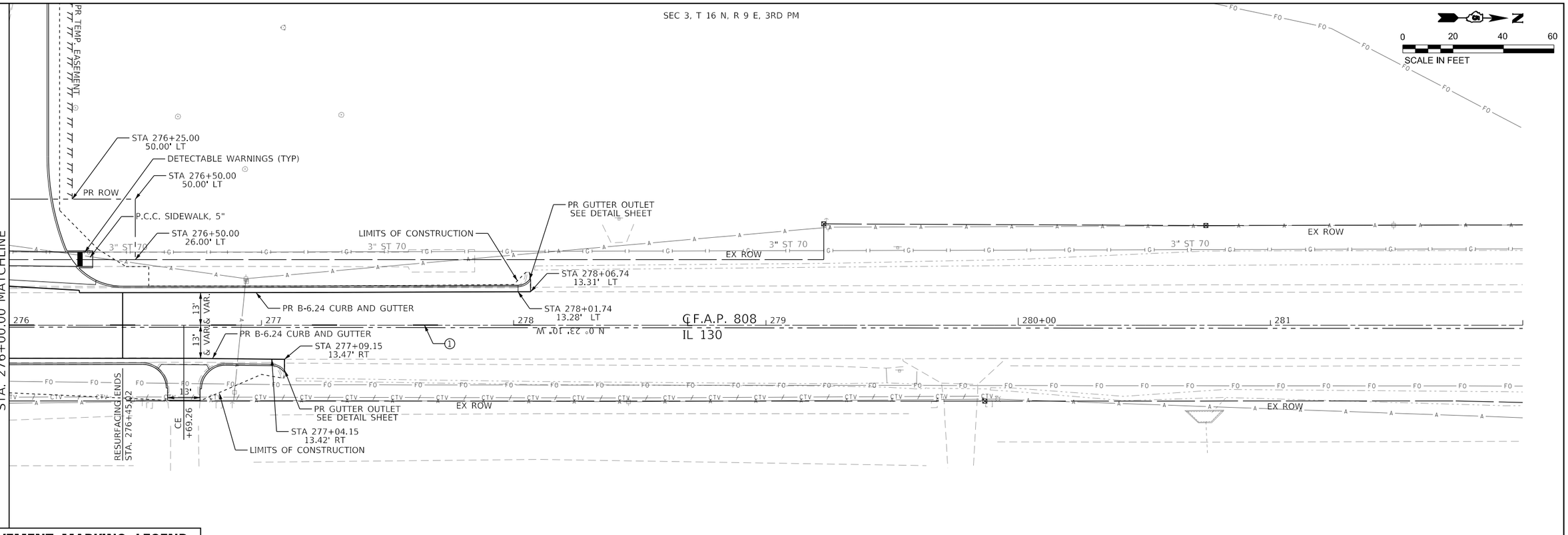
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE SHEETS
IL 130

SCALE: 1" = 20' | SHEET OF SHEETS | STA. 270+00.00 | TO STA. 276+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	34
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

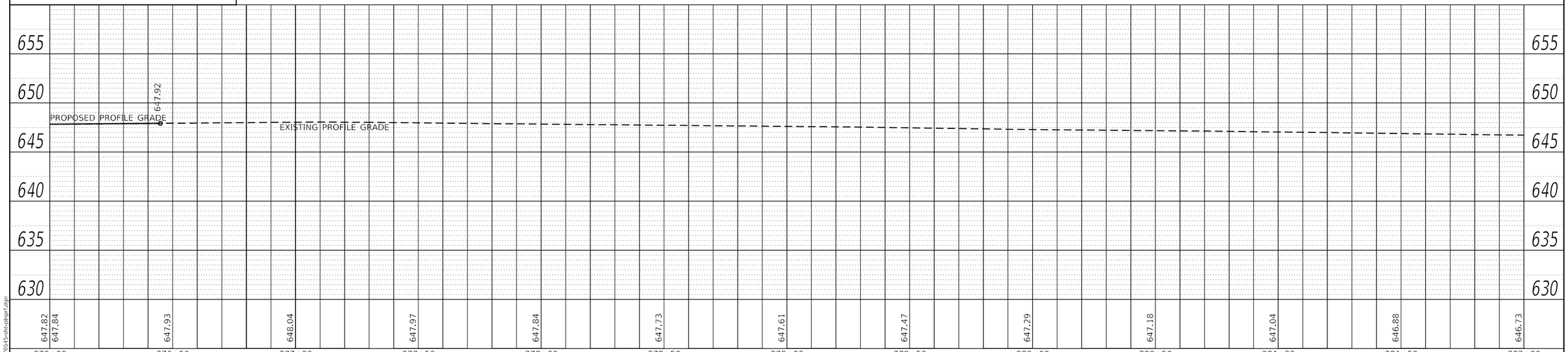
SEC 3, T 16 N, R 9 E, 3RD PM



PAVEMENT MARKING LEGEND

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

SEC 2, T 16 N, R 9 E, 3RD PM



PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATIONS CHKD, NOTE BOOK, NO., BY, DATE

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PLOT DATE = 5/24/2019 - 12:05:40 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE SHEETS
IL 130

SCALE: 1" = 20' | SHEET OF SHEETS | STA. 276+00.00 TO STA. 282+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	35
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

SEC 3, T 16 N, R 9 E, 3RD PM

0 20 40 60
SCALE IN FEET

3" ST 70

STA 275+89.16
162.00' LT

STA 275+80.00
165.00' LT

STA 275+88.66
159.59' LT

STA 275+85.00
121.51' LT

STA 275+85.00
50.00' LT

STA 275+75.46
50.12' LT

STA 275+60.00
50.00' LT

STA 275+40.00
80.00' LT

STA 275+40.00
50.00' LT

PR TEMP. EASEMENT

R 200'

R 30'

STA 276+45.08
161.84' LT

STA 276+50.00
165.00' LT

STA 276+15.00
131.84' LT

STA 276+25.00
130.00' LT

PR TYPE B CURB

STA 276+15.00
66.83' LT

STA 276+25.00
50.00' LT

STA 276+50.00
50.00' LT

STA 276+21.67
30.93' LT

2-CENTER CURVE
25' - 100' RADIUS
5' OFFSET

STA 276+50.00
26.00' LT

WETLAND BOUNDARY

IMPACT ATTENUATORS
(FULLY REDIRECTIVE, NARROW),
TEST LEVEL 2

4" ST 70

PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH, SPECIAL

PR ROW

LIMITS OF CONSTRUCTION

SEE ATTENUATOR CONNECTION DETAIL

PR BRIDGE FENCE RAILING R-33

EX ROW

RIPRAP A-4 (TYP)

PR CHAIN LINK
FENCE, 6'

10' SHARED-USE PATH

P.C.C. SIDEWALK, 5"

DETECTABLE WARNINGS (TYP)

PR GUTTER OUTLET
SEE DETAIL SHEET

LIMITS OF CONSTRUCTION

STA 278+06.74
13.31' LT

STA 278+01.74
13.28' LT

PR B-6.24 CURB AND GUTTER

PR WIDENING

STA 275+55.00
18.00' LT

STA 276+27.81
13.88' LT

STA 276+45.02
12.91' LT

STA 276+27.81
12.88' LT

STA 276+45.02
13.11' LT

PR WIDENING

STA 275+00.47
18.00' RT

STA 277+09.15
13.47' RT

STA 275+28.56
13.12' RT

STA 275+28.56
14.12' RT

LIMITS OF CONSTRUCTION

RESURFACING ENDS
STA. 276+45.02

PR GUTTER OUTLET
SEE DETAIL SHEET

STA 277+04.15
13.42' RT

STA 247+86.00
30.00' RT

STA 274+47.00
30.00' RT

STA 274+86.00
45.00' RT

STA 274+47.00
45.00' RT

PR TEMP. EASEMENT

EX ROW

WETLAND BOUNDARY

SEC 2, T 16 N, R 9 E, 3RD PM

C.F.A.P. 808
IL 130

N 0° 23' 10" W

MODEL: Default
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PLOT DATE = 5/24/2019 - 12:05:41 PM	DATE -	REVISED -

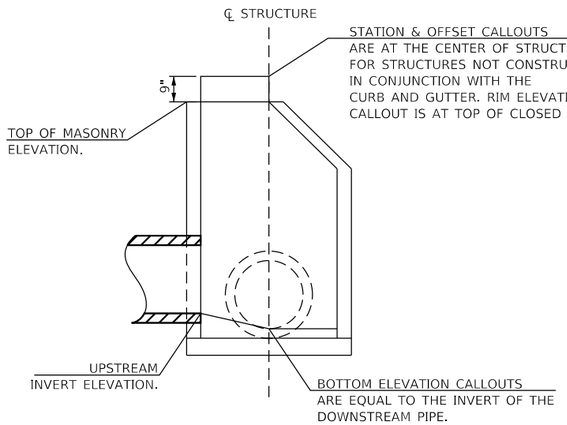
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEET
VILLA GROVE SCHOOL ENTRANCE

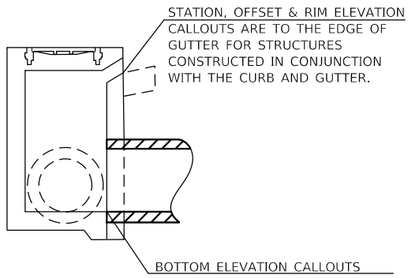
SCALE: 1" = 20' | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	36
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			

MANHOLE TYPE 1 FRAME AND CLOSED LID

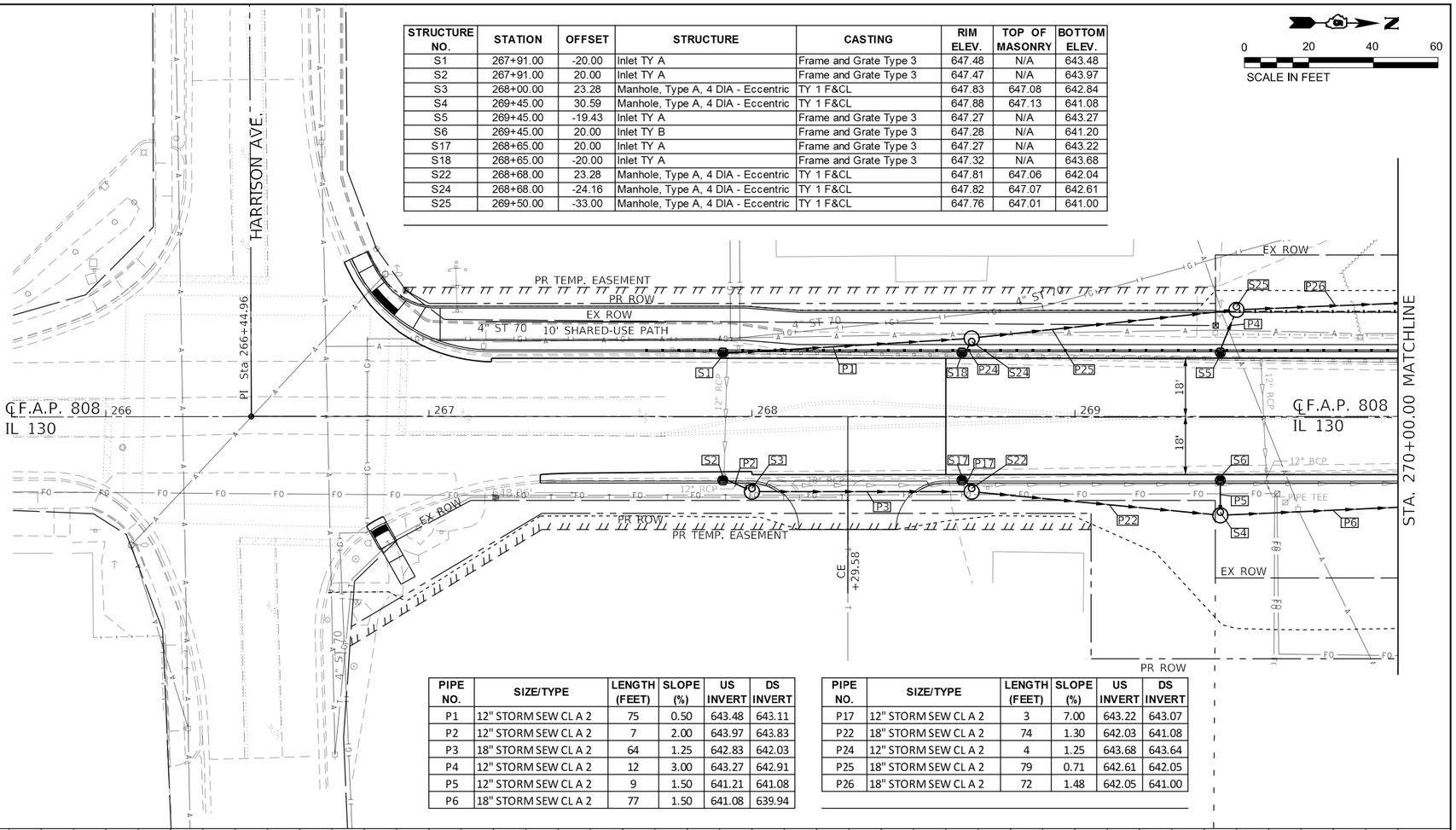


INLET FRAME AND GRATE TYPE 3



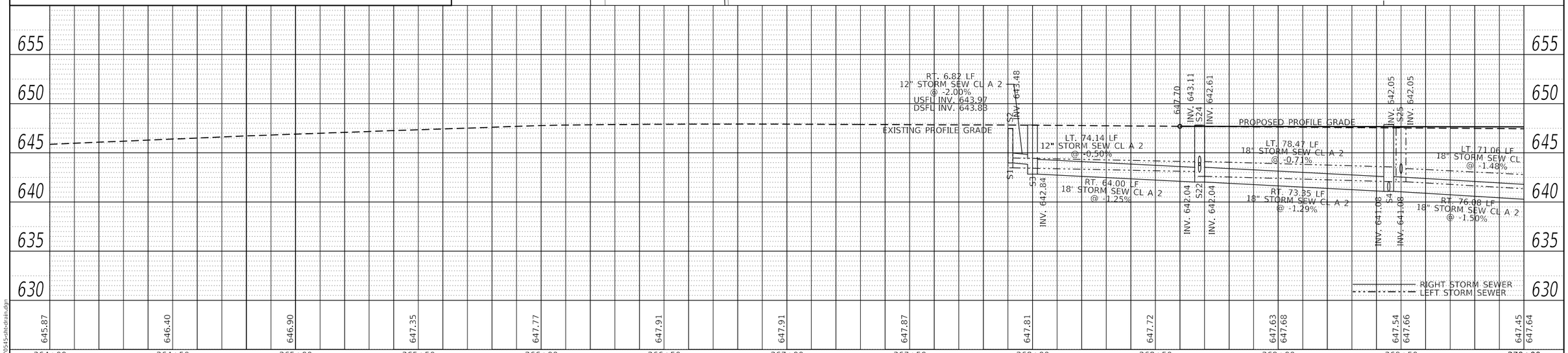
STRUCTURE DETAILS

STRUCTURE NO.	STATION	OFFSET	STRUCTURE	CASTING	RIM ELEV.	TOP OF MASONRY	BOTTOM ELEV.
S1	267+91.00	-20.00	Inlet TY A	Frame and Grate Type 3	647.48	N/A	643.48
S2	267+91.00	20.00	Inlet TY A	Frame and Grate Type 3	647.47	N/A	643.97
S3	268+00.00	23.28	Manhole, Type A, 4 DIA - Eccentric	TY 1 F&CL	647.83	647.08	642.84
S4	269+45.00	30.59	Manhole, Type A, 4 DIA - Eccentric	TY 1 F&CL	647.88	647.13	641.08
S5	269+45.00	-19.43	Inlet TY A	Frame and Grate Type 3	647.27	N/A	643.27
S6	269+45.00	20.00	Inlet TY B	Frame and Grate Type 3	647.28	N/A	641.20
S17	268+65.00	20.00	Inlet TY A	Frame and Grate Type 3	647.27	N/A	643.22
S18	268+65.00	-20.00	Inlet TY A	Frame and Grate Type 3	647.32	N/A	643.68
S22	268+68.00	23.28	Manhole, Type A, 4 DIA - Eccentric	TY 1 F&CL	647.81	647.06	642.04
S24	268+68.00	-24.16	Manhole, Type A, 4 DIA - Eccentric	TY 1 F&CL	647.82	647.07	642.61
S25	269+50.00	-33.00	Manhole, Type A, 4 DIA - Eccentric	TY 1 F&CL	647.76	647.01	641.00



PIPE NO.	SIZE/TYPE	LENGTH (FEET)	SLOPE (%)	US INVERT	DS INVERT
P1	12" STORM SEW CL A 2	75	0.50	643.48	643.11
P2	12" STORM SEW CL A 2	7	2.00	643.97	643.83
P3	18" STORM SEW CL A 2	64	1.25	642.83	642.03
P4	12" STORM SEW CL A 2	12	3.00	643.27	642.91
P5	12" STORM SEW CL A 2	9	1.50	641.21	641.08
P6	18" STORM SEW CL A 2	77	1.50	641.08	639.94

PIPE NO.	SIZE/TYPE	LENGTH (FEET)	SLOPE (%)	US INVERT	DS INVERT
P17	12" STORM SEW CL A 2	3	7.00	643.22	643.07
P22	18" STORM SEW CL A 2	74	1.30	642.03	641.08
P24	12" STORM SEW CL A 2	4	1.25	643.68	643.64
P25	18" STORM SEW CL A 2	79	0.71	642.61	642.05
P26	18" STORM SEW CL A 2	72	1.48	642.05	641.00



PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE — SURVEYED, PLOTTED, GRADE CHECKED, B.M. NOTED, STRUCTURE NOTATIONS CHKD, NOTE BOOK, NO., BY, DATE

MODEL: Default
FILE NAME: ...\D5\70545\sht-drain.dgn

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PLOT DATE = 5/24/2019 - 12:06:01 PM	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

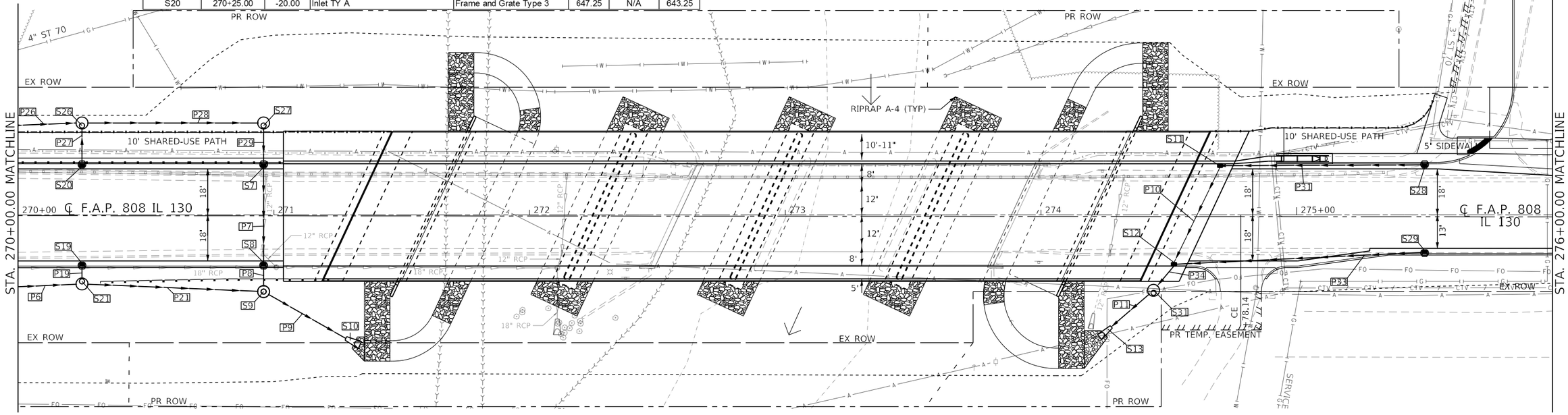
DRAINAGE PLAN & PROFILE SHEETS
IL 130

SCALE: 1" = 20' | SHEET OF SHEETS | STA. 264+00.00 | TO STA. 270+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	37
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

STRUCTURE NO.	STATION	OFFSET	STRUCTURE	CASTING	RIM ELEV.	TOP OF MASONRY	BOTTOM ELEV.
S7	270+96.00	-20.00	Inlet TY B	Frame and Grate Type 3	647.22	N/A	639.63
S8	270+96.00	20.00	Inlet TY B	Frame and Grate Type 3	647.22	N/A	639.07
S9	270+96.00	30.00	Manhole, Type A, 4 DIA - Concentric	TY 1 F&CL	646.78	646.03	639.00
S10	271+28.17	48.31	PRC Flared End Section 18"		640.25	N/A	638.75
S11	274+70.00	-19.29	Inlet TY B	Frame and Grate Type 4	647.27	N/A	643.24
S12	274+52.00	19.29	Manhole, Type A, 4 DIA - Eccentric	Frame and Grate Type 4	647.27	N/A	643.11
S13	274+27.49	43.81	PRC Flared End Section 15"		644.27	N/A	643.02
S19	270+25.00	20.00	Inlet TY A	Frame and Grate Type 3	647.25	N/A	643.25
S20	270+25.00	-20.00	Inlet TY A	Frame and Grate Type 3	647.25	N/A	643.25

STRUCTURE NO.	STATION	OFFSET	STRUCTURE	CASTING	RIM ELEV.	TOP OF MASONRY	BOTTOM ELEV.
S21	270+25.00	27.00	Manhole, Type A, 4 DIA - Eccentric	TY 1 F&CL	646.78	646.03	639.94
S26	270+25.00	-36.00	Manhole, Type A, 4 DIA - Eccentric	TY 1 F&CL	646.82	646.07	641.00
S27	270+96.00	-36.00	Manhole, Type A, 4 DIA - Eccentric	TY 1 F&CL	646.72	645.97	639.83
S28	275+50.00	-20.00	Inlet TY A	Frame and Grate Type 3	647.41	N/A	643.41
S29	275+50.00	15.10	Inlet TY A	Frame and Grate Type 3	647.41	N/A	643.41
S31	274+44.00	29.50	Manhole, Type A, 4 DIA - Eccentric	TY 1 F&CL	647.52	646.77	643.08

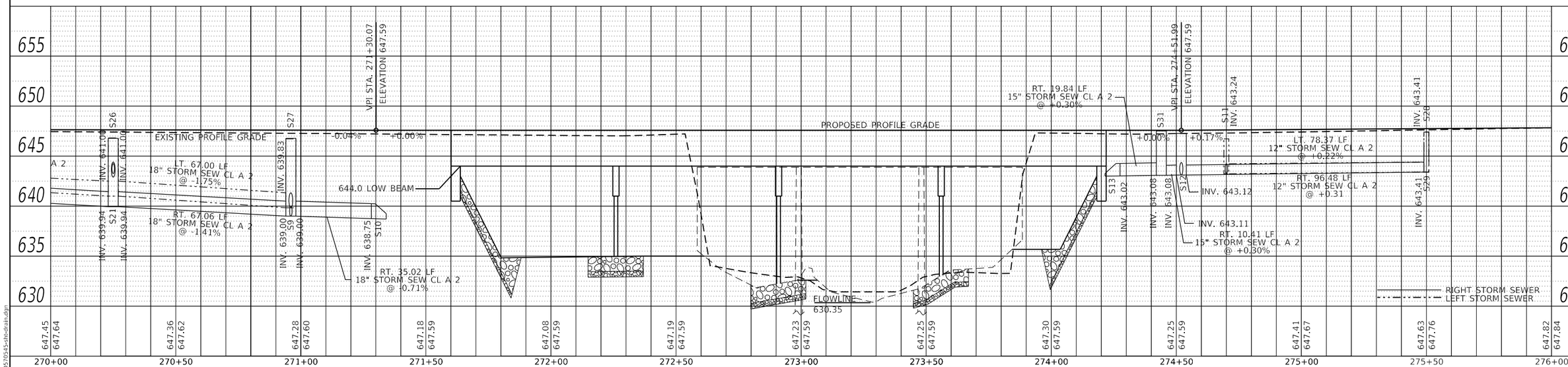


P7	18" STORM SEW CL A 2	38	1.50	639.62	639.07
P8	12" STORM SEW CL A 2	8	1.00	639.07	639.00
P9	18" STORM SEW CL A 2	36	0.71	639.00	638.75
P10	12" STORM SEW CL A 2	42	0.30	643.24	643.12
P11	15" STORM SEW CL A 2	20	0.30	643.08	643.02

P19	12" STORM SEW CL A 2	5	7.00	643.25	642.94
P21	18" STORM SEW CL A 2	68	1.41	639.94	639.00
P27	12" STORM SEW CL A 2	14	5.00	643.25	642.58
P28	18" STORM SEW CL A 2	67	1.75	641.00	639.83
P29	18" STORM SEW CL A 2	14	1.50	639.83	639.62

P31	12" STORM SEW CL A 2	78	0.22	643.41	643.24
P33	12" STORM SEW CL A 2	97	0.31	643.41	643.12
P34	15" STORM SEW CL A 2	11	0.30	643.11	643.08

0 20 40 60
SCALE IN FEET



PLAN — SURVEYED | PLOTTED | ALIGNMENT CHECKED | RT. OF WAY CHECKED | CADD FILE NAME | NOTE BOOK | NO. | BY | DATE

PROFILE — SURVEYED | PLOTTED | ALIGNMENT CHECKED | E.M. NOTED | STRUCTURE NOTATIONS CHKD | NOTE BOOK | NO. | BY | DATE

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	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/24/2019 - 12:06:02 PM	DATE -	REVISED -

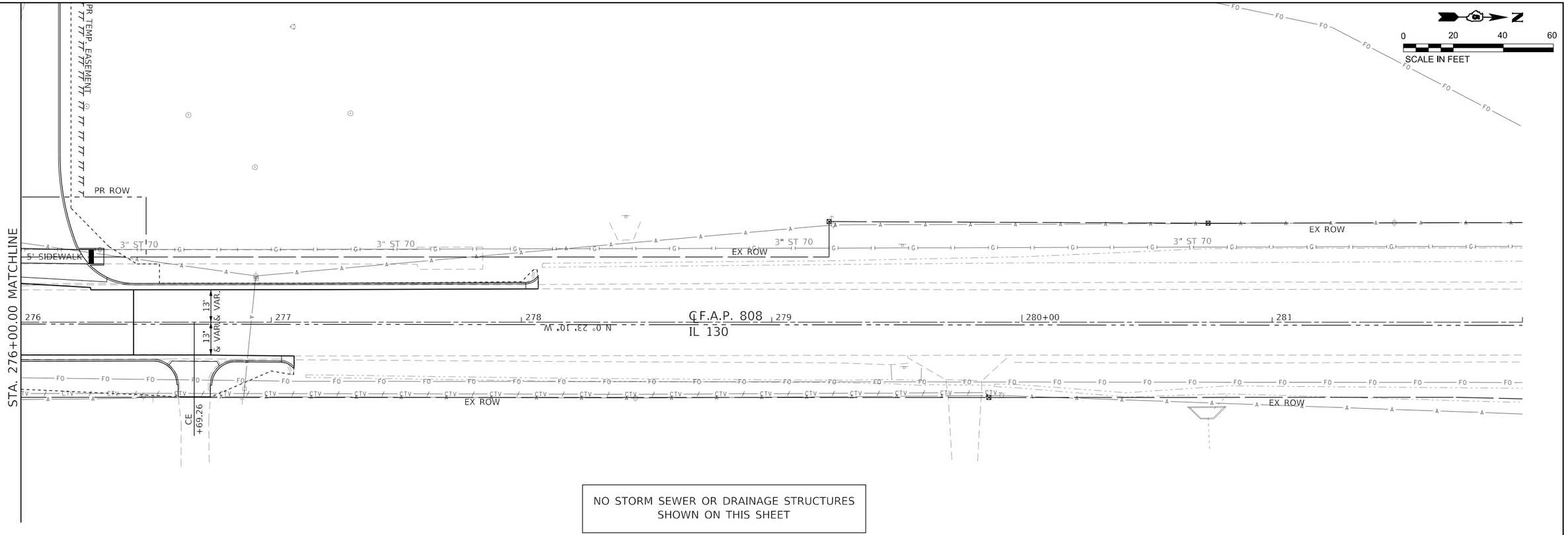
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE SHEETS
IL 130

SCALE: 1" = 20' | SHEET OF SHEETS | STA. 270+00.00 TO STA. 276+00.00

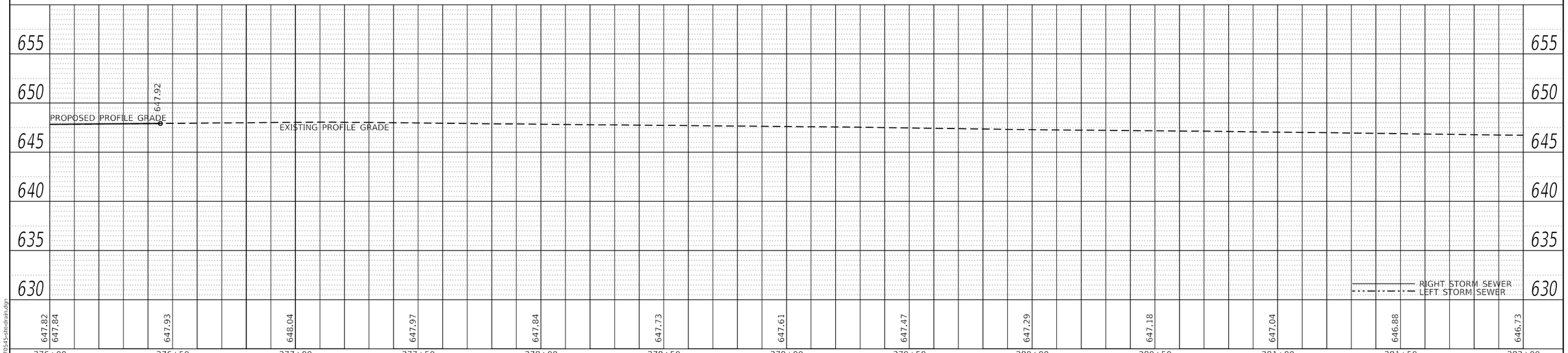
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	38
		CONTRACT NO. 70545		
		ILLINOIS	FED. AID PROJECT	

PLAN
SURVEYED
PLOTTED
CROSS CHECKED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE



NO STORM SEWER OR DRAINAGE STRUCTURES SHOWN ON THIS SHEET

PROFILE
SURVEYED
PLOTTED
CROSS CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE



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	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/24/2019 - 12:06:04 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN & PROFILE SHEETS
IL 130

SCALE: 1" = 20' | SHEET OF SHEETS | STA. 276+00.00 | TO STA. 282+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	39
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

NOTES:

1) M.E.G. = MATCH EXISTING GRADE.

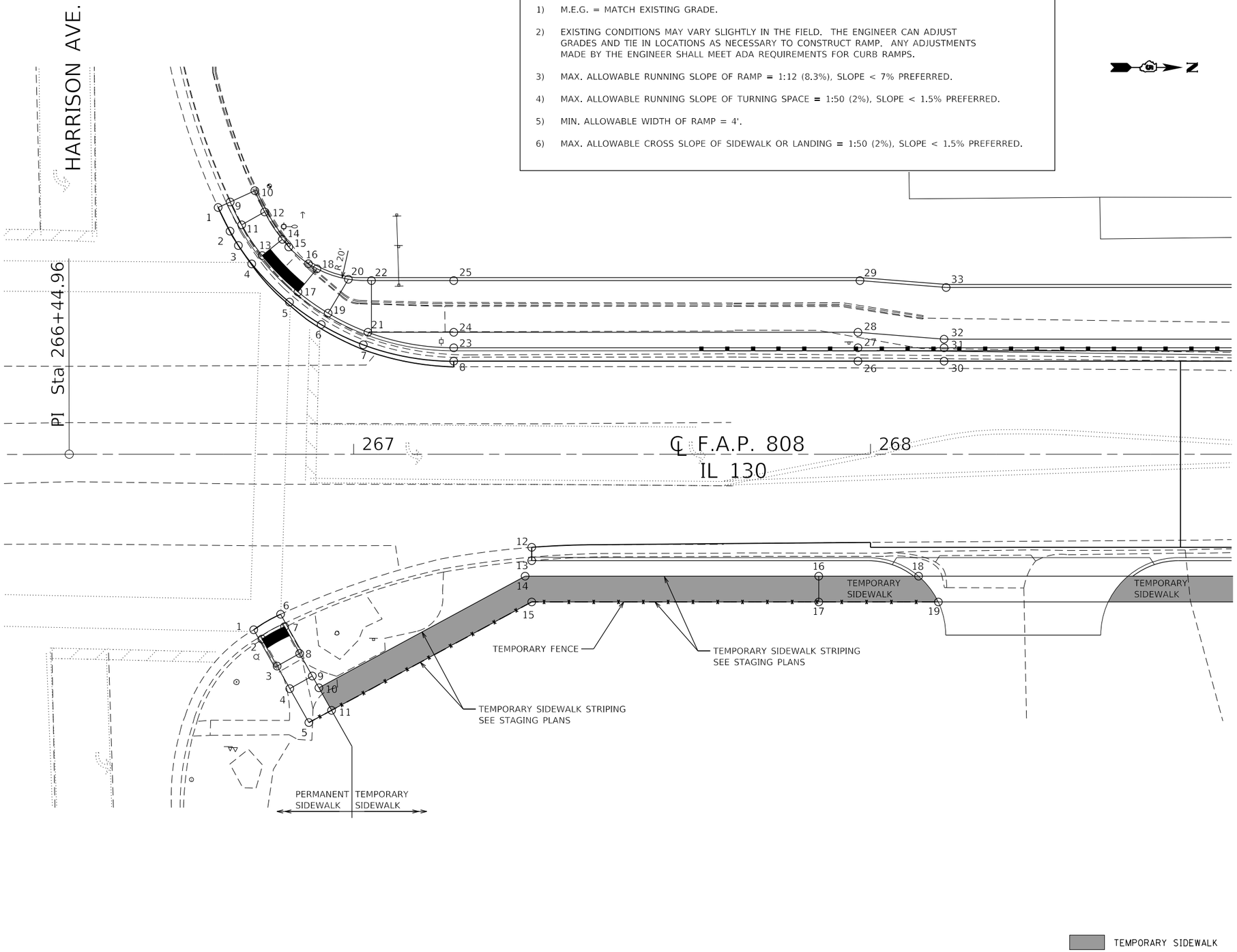
2) EXISTING CONDITIONS MAY VARY SLIGHTLY IN THE FIELD. THE ENGINEER CAN ADJUST GRADES AND TIE IN LOCATIONS AS NECESSARY TO CONSTRUCT RAMP. ANY ADJUSTMENTS MADE BY THE ENGINEER SHALL MEET ADA REQUIREMENTS FOR CURB RAMPS.

3) MAX. ALLOWABLE RUNNING SLOPE OF RAMP = 1:12 (8.3%), SLOPE < 7% PREFERRED.

4) MAX. ALLOWABLE RUNNING SLOPE OF TURNING SPACE = 1:50 (2%), SLOPE < 1.5% PREFERRED.

5) MIN. ALLOWABLE WIDTH OF RAMP = 4'.

6) MAX. ALLOWABLE CROSS SLOPE OF SIDEWALK OR LANDING = 1:50 (2%), SLOPE < 1.5% PREFERRED.



LOCATION #1
NW QUAD
HARRISON AVE. / IL 130

POINT #	STATIONING / OFFSET ALONG IL 130			ELEVATION
1	266+73.79	LT	47.72'	647.19
2	266+76.07	LT	43.13'	647.26
3	266+77.70	LT	40.37'	647.31
4	266+80.28	LT	36.82'	647.37
5	266+87.58	LT	29.41'	647.44
6	266+93.73	LT	25.07'	647.53
7	267+01.87	LT	21.16'	647.62
8	267+19.37	LT	18.00'	647.74
9	266+76.10	LT	48.78'	647.56
10	266+80.88	LT	50.98'	647.67
11	266+78.32	LT	44.38'	647.64
12	266+82.78	LT	46.86'	647.72
13	266+82.30	LT	38.43'	647.29
14	266+86.21	LT	41.55'	647.37
15	266+87.45	LT	40.08'	647.39
16	266+91.25	LT	36.85'	647.43
17	266+89.22	LT	31.40'	647.37
18	266+92.90	LT	35.88'	647.45
19	266+95.06	LT	27.29'	647.91
20	266+98.97	LT	33.85'	647.98
21	267+02.77	LT	23.58'	648.00
22	267+03.46	LT	33.58'	648.11
23	267+19.37	LT	20.58'	648.12
24	267+19.37	LT	23.58'	648.18
25	267+19.37	LT	33.58'	648.33
26	267+97.58	LT	18.00'	647.55
27	267+97.58	LT	20.58'	647.93
28	267+97.58	LT	23.58'	647.99
29	267+97.98	LT	33.58'	648.14
30	268+14.25	LT	18.00'	647.52
31	268+14.25	LT	20.58'	647.90
32	268+14.25	LT	22.25'	647.93
33	268+14.65	LT	32.25'	648.08

LOCATION #2
NE QUAD
HARRISON AVE. / IL 130

POINT #	STATIONING / OFFSET ALONG IL 130			ELEVATION
1	266+80.67	RT	33.96'	647.30
2	266+82.26	RT	35.77'	647.23
3	266+85.20	RT	41.00'	647.53
4	266+87.65	RT	45.36'	647.61
5	266+91.34	RT	51.91'	647.72
6	266+85.87	RT	30.97'	647.31
7	266+86.64	RT	33.36'	647.23
8	266+89.56	RT	38.55'	647.53
9	266+92.01	RT	42.90'	647.61
10	266+93.29	RT	45.18'	647.64
11	266+95.74	RT	49.54'	647.72
12	267+34.46	RT	18.00'	M.E.G.
13	267+34.46	RT	20.58'	M.E.G.
14	267+33.19	RT	23.58'	M.E.G.
15	267+34.46	RT	28.58'	M.E.G.
16	267+90.00	RT	23.58'	M.E.G.
17	267+90.00	RT	28.58'	M.E.G.
18	268+09.31	RT	23.58'	647.65
19	268+13.14	RT	28.58'	647.58

MODEL: Default
FILE NAME: ...\D570545-sht-elev.dgn

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	DRAWN -	REVISED -	
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PLOT DATE = 5/24/2019 - 12:06:24 PM	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK ADA RAMP DETAILS:
LOCATION #1 & LOCATION #2

SCALE: N.T.S. | SHEET OF SHEETS | STA. TO STA.

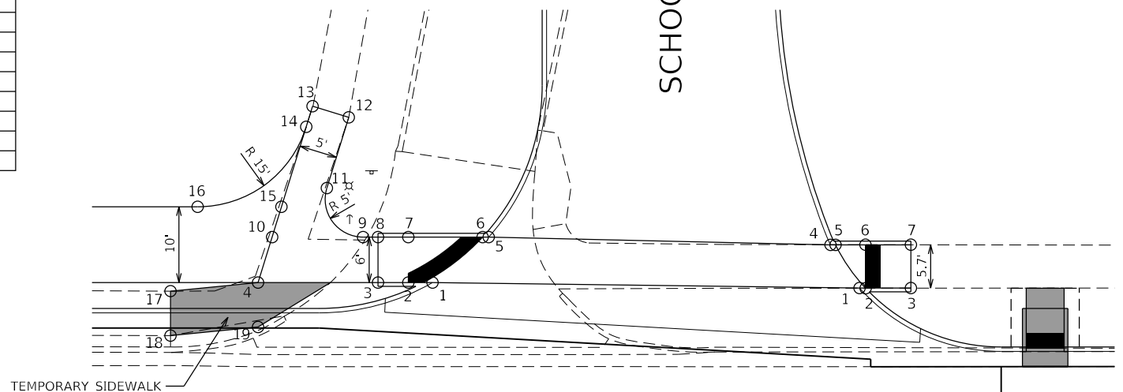
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	40
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			

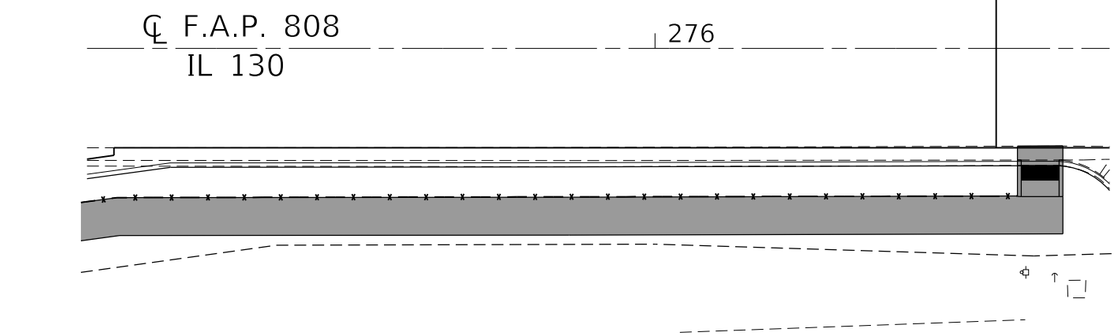
NOTES:

1) M.E.G. = MATCH EXISTING GRADE.
2) EXISTING CONDITIONS MAY VARY SLIGHTLY IN THE FIELD. THE ENGINEER CAN ADJUST GRADES AND TIE IN LOCATIONS AS NECESSARY TO CONSTRUCT RAMP. ANY ADJUSTMENTS MADE BY THE ENGINEER SHALL MEET ADA REQUIREMENTS FOR CURB RAMPS.
3) MAX. ALLOWABLE RUNNING SLOPE OF RAMP = 1:12 (8.3%), SLOPE < 7% PREFERRED.
4) MAX. ALLOWABLE RUNNING SLOPE OF TURNING SPACE = 1:50 (2%), SLOPE < 1.5% PREFERRED.
5) MIN. ALLOWABLE WIDTH OF RAMP = 4'.
6) MAX. ALLOWABLE CROSS SLOPE OF SIDEWALK OR LANDING = 1:50 (2%), SLOPE < 1.5% PREFERRED.

LOCATION #3
SW QUAD
SCHOOL ENTRANCE / IL 130

POINT #	STATIONING / OFFSET ALONG IL 130			ELEVATION
1	275+69.97	LT	24.00'	647.52
2	275+66.76	LT	24.00'	647.52
3	275+62.76	LT	24.00'	647.82
4	275+46.92	LT	24.00'	647.90
5	275+77.36	LT	30.00'	647.60
6	275+76.57	LT	30.00'	647.60
7	275+66.76	LT	30.00'	647.61
8	275+62.76	LT	30.00'	647.91
9	275+60.79	LT	30.00'	647.92
10	275+48.77	LT	30.00'	648.00
11	275+56.01	LT	36.48'	647.96
12	275+58.89	LT	45.81'	647.67
13	275+54.12	LT	47.29'	647.58
14	275+53.28	LT	44.57'	647.68
15	275+50.00	LT	34.00'	648.09
16	275+38.95	LT	34.00'	648.04
17	275+35.37	LT	22.88	M.E.G.
18	275+35.37	LT	19.00	M.E.G.
19	275+46.92	LT	18.13	647.86





TEMPORARY SIDEWALK

LOCATION #4
NW QUAD
SCHOOL ENTRANCE / IL 130

POINT #	STATIONING / OFFSET ALONG IL 130			ELEVATION
1	276+26.33	LT	23.28'	647.73
2	276+27.12	LT	23.28'	647.73
3	276+33.12	LT	23.28'	647.73
4	276+22.51	LT	28.99'	647.76
5	276+23.16	LT	28.99'	647.76
6	276+27.12	LT	28.99'	647.76
7	276+33.12	LT	28.99'	647.76

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PLOT DATE = 5/24/2019 - 12:06:26 PM	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK ADA RAMP DETAILS:
LOCATION #3 & LOCATION #4

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	41
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

LOCATION #5
WEST (LEFT) SIDE
TEMPORARY SIDEWALK CROSSWALK
IL 130

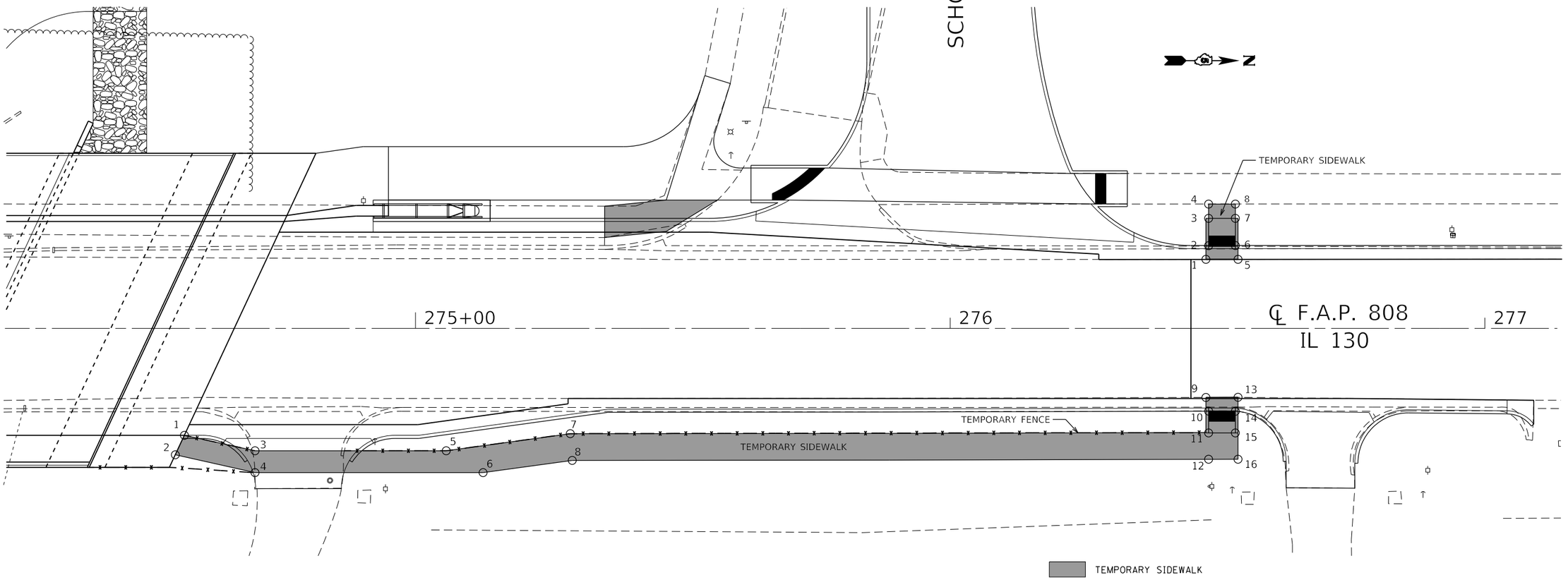
POINT #	STATIONING / OFFSET ALONG IL 130			ELEVATION
1	276+47.83	LT	12.91'	647.81
2	276+48.33	LT	15.37'	647.76
3	276+48.33	LT	20.58'	647.75
4	276+48.33	LT	23.28	647.74
5	276+53.83	LT	12.91'	647.83
6	276+53.34	LT	15.36'	647.78
7	276+53.34	LT	20.58'	647.76
8	276+53.34	LT	23.29'	647.75

LOCATION #6
EAST (RIGHT) SIDE
TEMPORARY SIDEWALK CROSSWALK
IL 130

POINT #	STATIONING / OFFSET ALONG IL 130			ELEVATION
1	274+56.79	RT	20.00'	647.93
2	274+55.10	RT	23.64'	648.00
3	274+70.00	RT	23.00'	646.88
4	274+70.00	RT	27.00'	646.82
5	275+05.77	RT	23.00'	647.19
6	275+12.65	RT	27.00'	647.14
7	275+28.97	RT	19.70'	647.93
8	275+29.32	RT	24.70'	648.00
9	276+47.83	RT	13.11'	647.83
10	276+48.33	RT	15.49'	647.75
11	276+48.33	RT	19.49'	647.09
12	276+48.33	RT	24.49'	648.16
13	276+53.83	RT	13.11'	647.85
14	276+53.33	RT	15.49'	647.77
15	276+53.33	RT	19.49'	648.1
16	276+53.83	RT	24.49'	648.18

NOTES:

1) M.E.G. = MATCH EXISTING GRADE.
2) EXISTING CONDITIONS MAY VARY SLIGHTLY IN THE FIELD. THE ENGINEER CAN ADJUST GRADES AND TIE IN LOCATIONS AS NECESSARY TO CONSTRUCT RAMP. ANY ADJUSTMENTS MADE BY THE ENGINEER SHALL MEET ADA REQUIREMENTS FOR CURB RAMPS.
3) MAX. ALLOWABLE RUNNING SLOPE OF RAMP = 1:12 (8.3%), SLOPE < 7% PREFERRED.
4) MAX. ALLOWABLE RUNNING SLOPE OF TURNING SPACE = 1:50 (2%), SLOPE < 1.5% PREFERRED.
5) MIN. ALLOWABLE WIDTH OF RAMP = 4'.
6) MAX. ALLOWABLE CROSS SLOPE OF SIDEWALK OR LANDING = 1:50 (2%), SLOPE < 1.5% PREFERRED.



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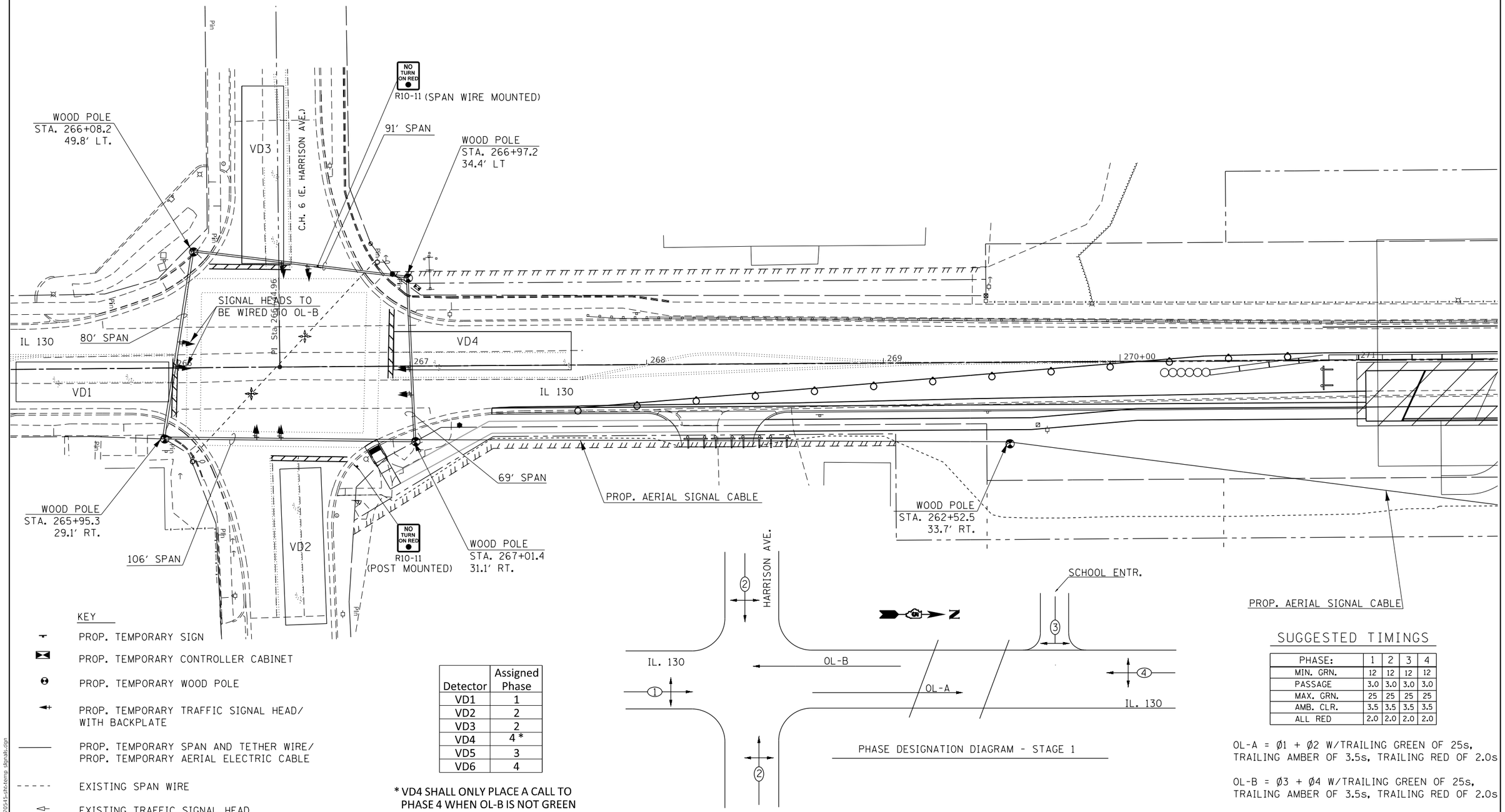
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK ADA RAMP DETAILS:
LOCATION #5 & LOCATION #6

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	42
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

TEMPORARY TRAFFIC SIGNAL INSTALLATION
DETAIL - STAGE 1 (1 OF 2)



KEY

- PROP. TEMPORARY SIGN
- PROP. TEMPORARY CONTROLLER CABINET
- PROP. TEMPORARY WOOD POLE
- PROP. TEMPORARY TRAFFIC SIGNAL HEAD/ WITH BACKPLATE
- PROP. TEMPORARY SPAN AND TETHER WIRE/ PROP. TEMPORARY AERIAL ELECTRIC CABLE
- EXISTING SPAN WIRE
- EXISTING TRAFFIC SIGNAL HEAD

Detector	Assigned Phase
VD1	1
VD2	2
VD3	2
VD4	4 *
VD5	3
VD6	4

* VD4 SHALL ONLY PLACE A CALL TO PHASE 4 WHEN OL-B IS NOT GREEN

PHASE DESIGNATION DIAGRAM - STAGE 1

PROP. AERIAL SIGNAL CABLE

SUGGESTED TIMINGS

PHASE:	1	2	3	4
MIN. GRN.	12	12	12	12
PASSAGE	3.0	3.0	3.0	3.0
MAX. GRN.	25	25	25	25
AMB. CLR.	3.5	3.5	3.5	3.5
ALL RED	2.0	2.0	2.0	2.0

OL-A = Ø1 + Ø2 W/TRAILING GREEN OF 25s, TRAILING AMBER OF 3.5s, TRAILING RED OF 2.0s

OL-B = Ø3 + Ø4 W/TRAILING GREEN OF 25s, TRAILING AMBER OF 3.5s, TRAILING RED OF 2.0s

MODEL: Default
FILE NAME: ...\D2570545-dhl-temp_signals.dgn

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	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/24/2019 - 12:06:49 PM	DATE -	REVISED -

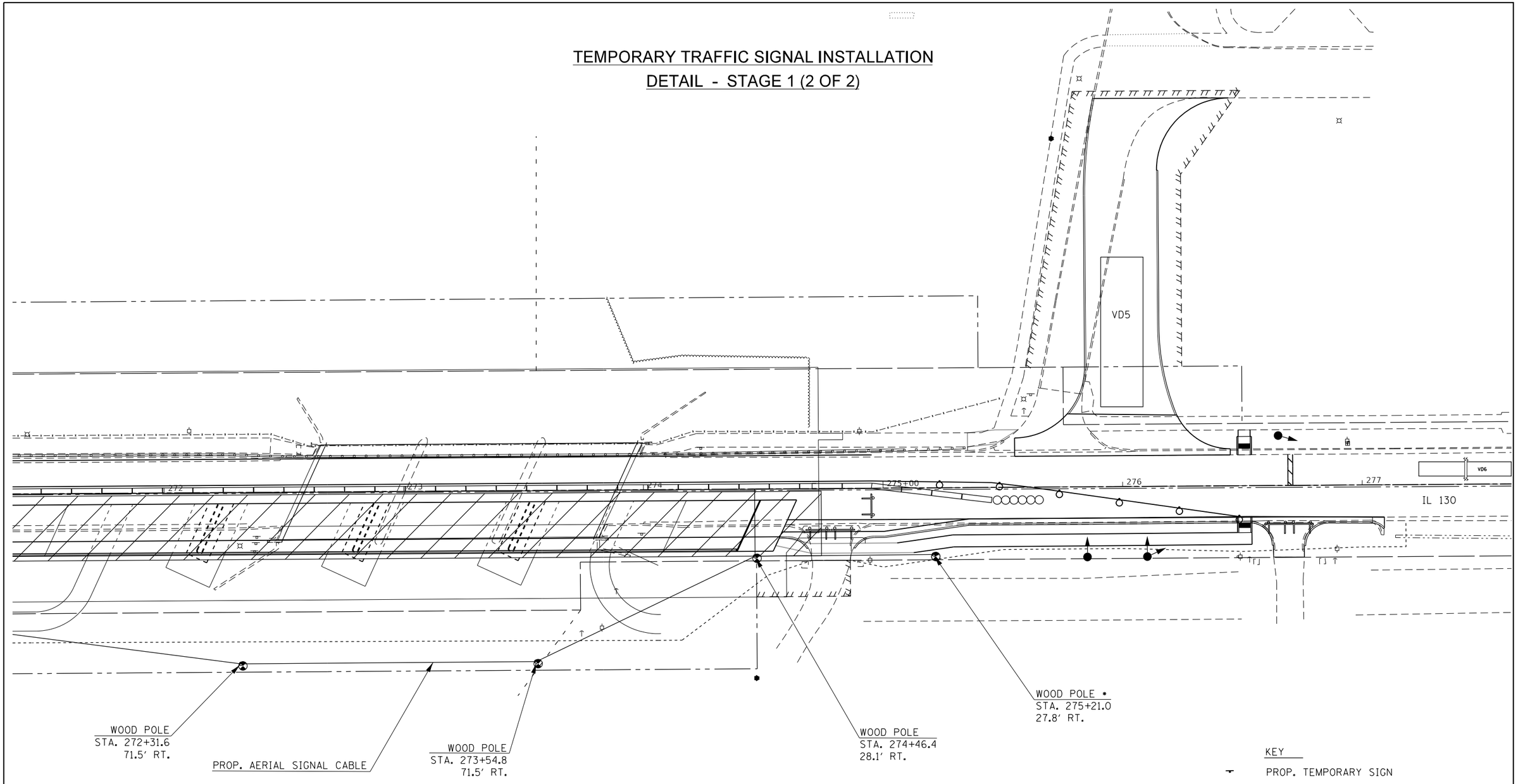
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
STAGE 1

SCALE: 1" = 20' | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	43
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

TEMPORARY TRAFFIC SIGNAL INSTALLATION
DETAIL - STAGE 1 (2 OF 2)



KEY

- PROP. TEMPORARY SIGN
- PROP. TEMPORARY CONTROLLER CABINET
- PROP. TEMPORARY WOOD POLE
- PROP. TEMPORARY TRAFFIC SIGNAL HEAD/ WITH BACKPLATE
- PROP. TEMPORARY SPAN AND TETHER WIRE/ PROP. TEMPORARY AERIAL ELECTRIC CABLE
- EXISTING SPAN WIRE
- EXISTING TRAFFIC SIGNAL HEAD

• FROM THIS POLE POSITION, THE CONTRACTOR IS TO DETERMINE THE METHOD OF DISPERSING POWER TO SEPARATE SIGNAL COMPONENTS ON THE NORTH SIDE OF BRIDGE.

MODEL: Default
FILE NAME: ...\D5705545-sht-temp signals.dgn

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	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/24/2019 - 12:06:49 PM	DATE -	REVISED -

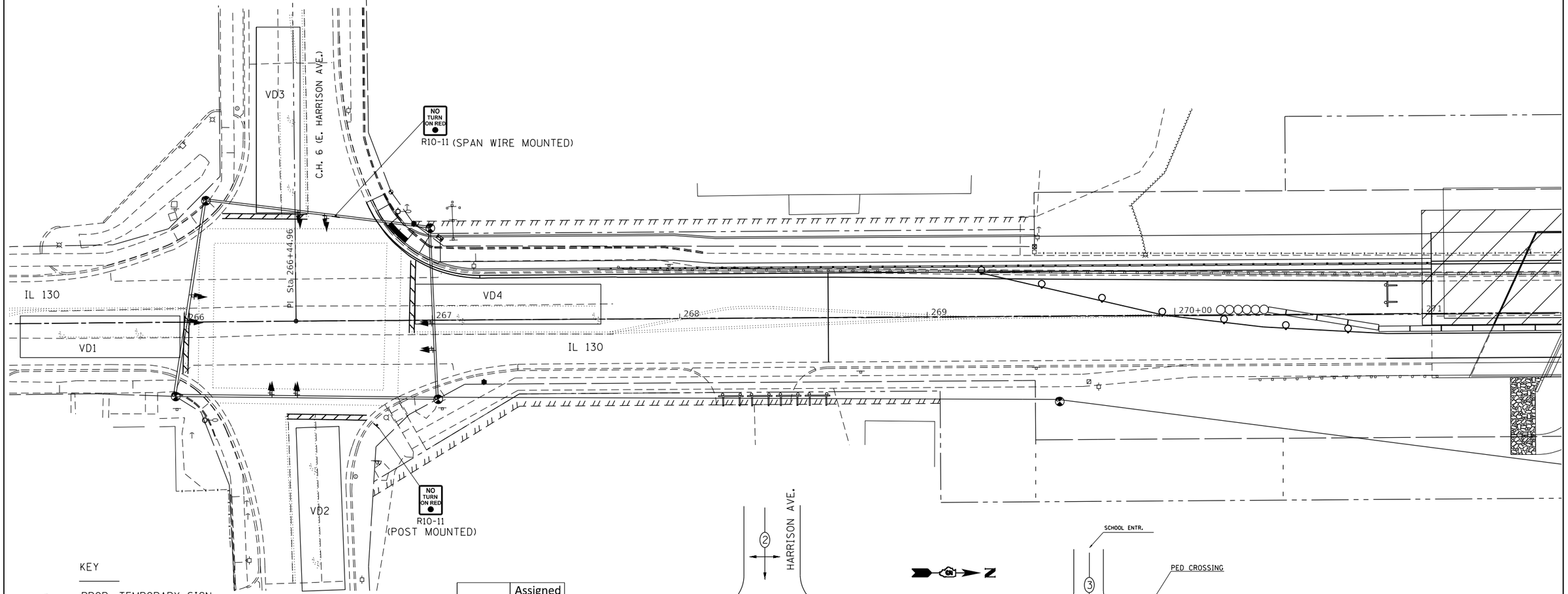
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
STAGE 1

SCALE: 1" = 20' | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	44
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			

TEMPORARY TRAFFIC SIGNAL INSTALLATION
DETAIL - STAGE 2 (1 OF 2)

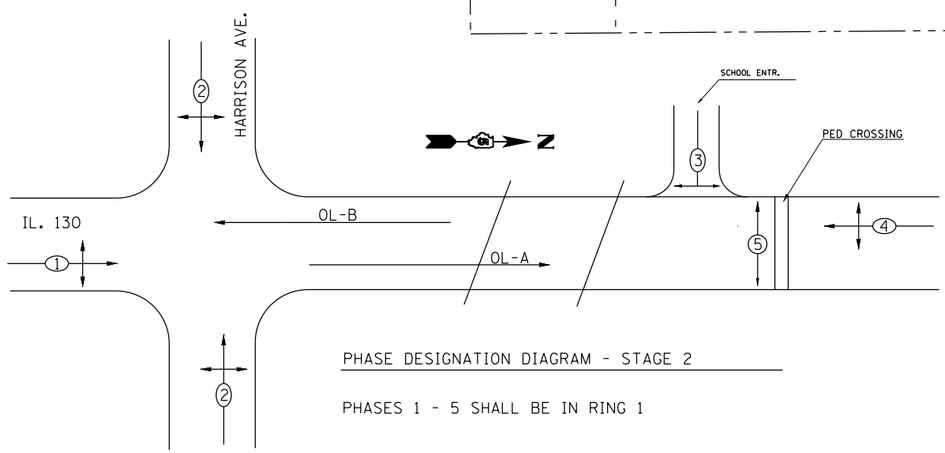


KEY

- PROP. TEMPORARY SIGN
- PROP. TEMPORARY CONTROLLER CABINET
- PROP. TEMPORARY WOOD POLE
- PROP. TEMPORARY TRAFFIC SIGNAL HEAD/ WITH BACKPLATE
- PROP. TEMPORARY SPAN AND TETHER WIRE/ PROP. TEMPORARY AERIAL ELECTRIC CABLE
- EXISTING SPAN WIRE
- EXISTING TRAFFIC SIGNAL HEAD

Detector	Assigned Phase
VD1	1
VD2	2
VD3	2
VD4	4 *
VD5	3
VD6	4

* VD4 SHALL ONLY PLACE A CALL TO PHASE 4 WHEN OL-B IS NOT GREEN



PHASE DESIGNATION DIAGRAM - STAGE 2

PHASES 1 - 5 SHALL BE IN RING 1

SUGGESTED TIMINGS

PHASE:	1	2	3	4	5
MIN. GRN.	12	12	12	12	5
PASSAGE	3.0	3.0	3.0	3.0	0
MAX. GRN.	25	25	25	25	5
AMB. CLR.	3.5	3.5	3.5	3.5	3.0
ALL RED	2.0	2.0	2.0	2.0	0
WALK					7
PED. CLR.					10

OL-A = Ø1 + Ø2 W/TRAILING GREEN OF 25s, TRAILING AMBER OF 3.5s, TRAILING RED OF 2.0s

OL-B = Ø3 + Ø4 W/TRAILING GREEN OF 25s, TRAILING AMBER OF 3.5s, TRAILING RED OF 2.0s

MODEL: Default
FILE NAME: ...\D570545-dht-temp signals.cign

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	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/24/2019 - 12:06:50 PM	DATE -	REVISED -

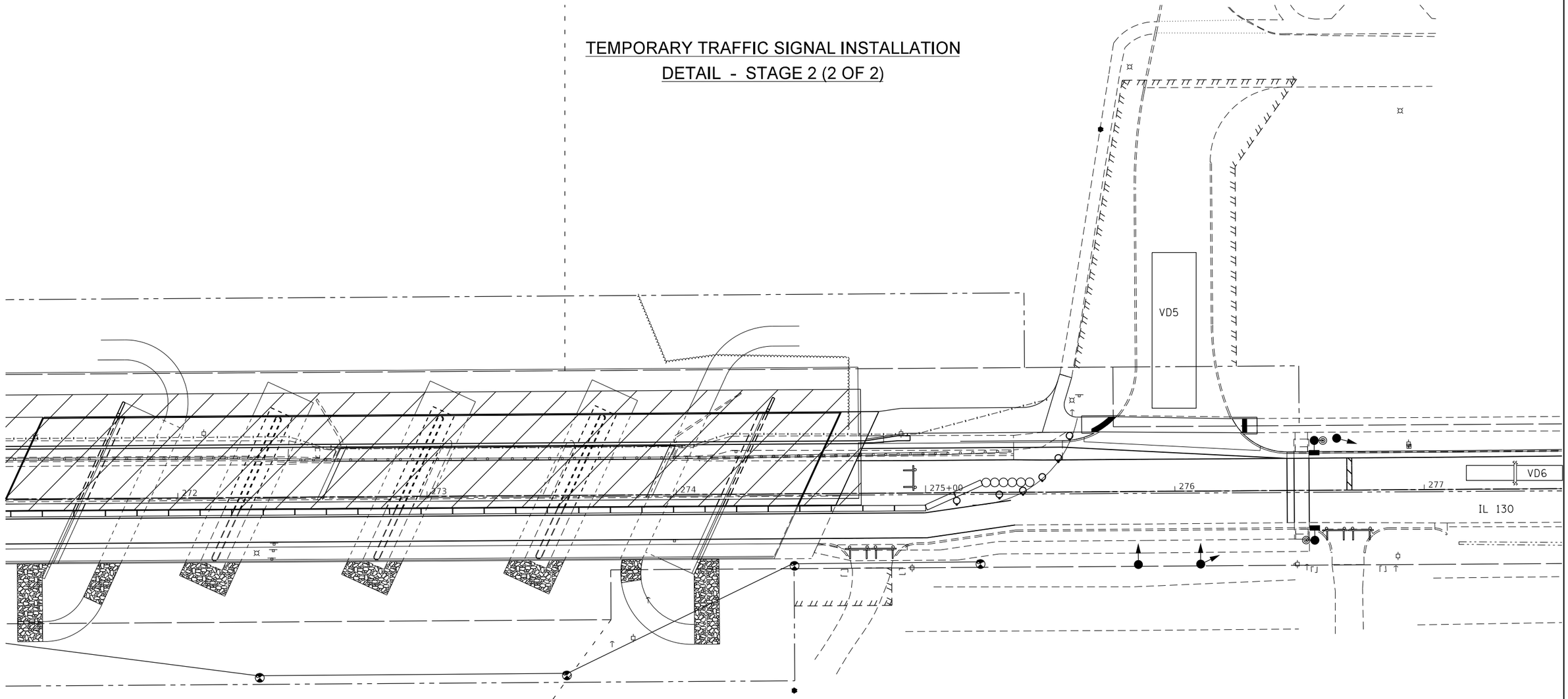
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
STAGE 2

SCALE: 1" = 20' | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	45
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			

TEMPORARY TRAFFIC SIGNAL INSTALLATION
DETAIL - STAGE 2 (2 OF 2)



KEY

- PROP. TEMPORARY SIGN
- PROP. TEMPORARY CONTROLLER CABINET
- PROP. TEMPORARY WOOD POLE
- PROP. TEMPORARY TRAFFIC SIGNAL HEAD/ WITH BACKPLATE
- PROP. TEMPORARY SPAN AND TETHER WIRE/ PROP. TEMPORARY AERIAL ELECTRIC CABLE
- EXISTING SPAN WIRE
- EXISTING TRAFFIC SIGNAL HEAD

• FROM THIS POLE POSITION, THE CONTRACTOR IS TO DETERMINE THE METHOD OF DISPERSING POWER TO SEPARATE SIGNAL COMPONENTS ON THE NORTH SIDE OF BRIDGE.

MODEL: Default
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	DRAWN -	REVISED -
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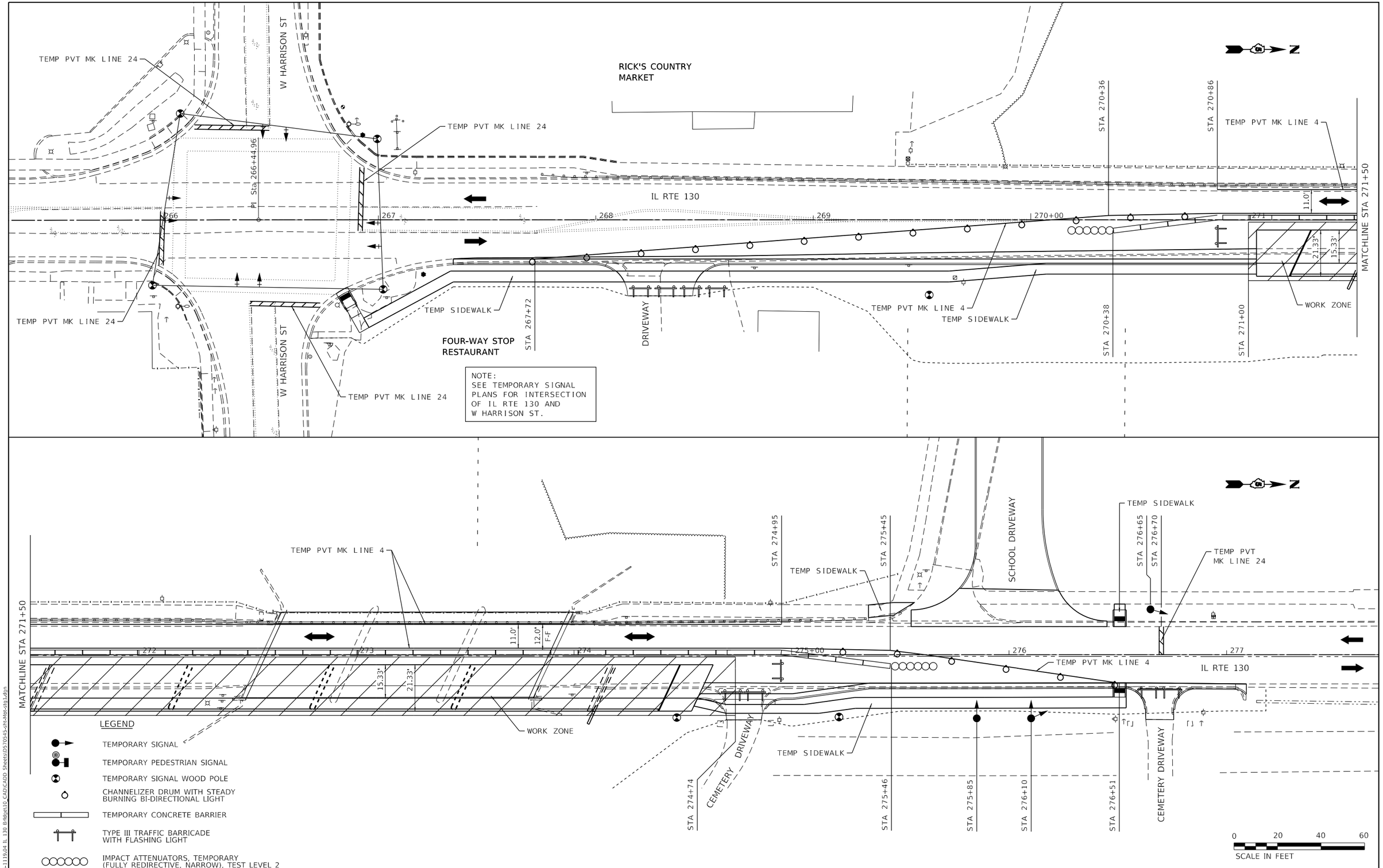
PLOT DATE = 5/24/2019 - 12:06:50 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION
STAGE 1

SCALE: 1" = 20' | SHEET OF SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	46
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			



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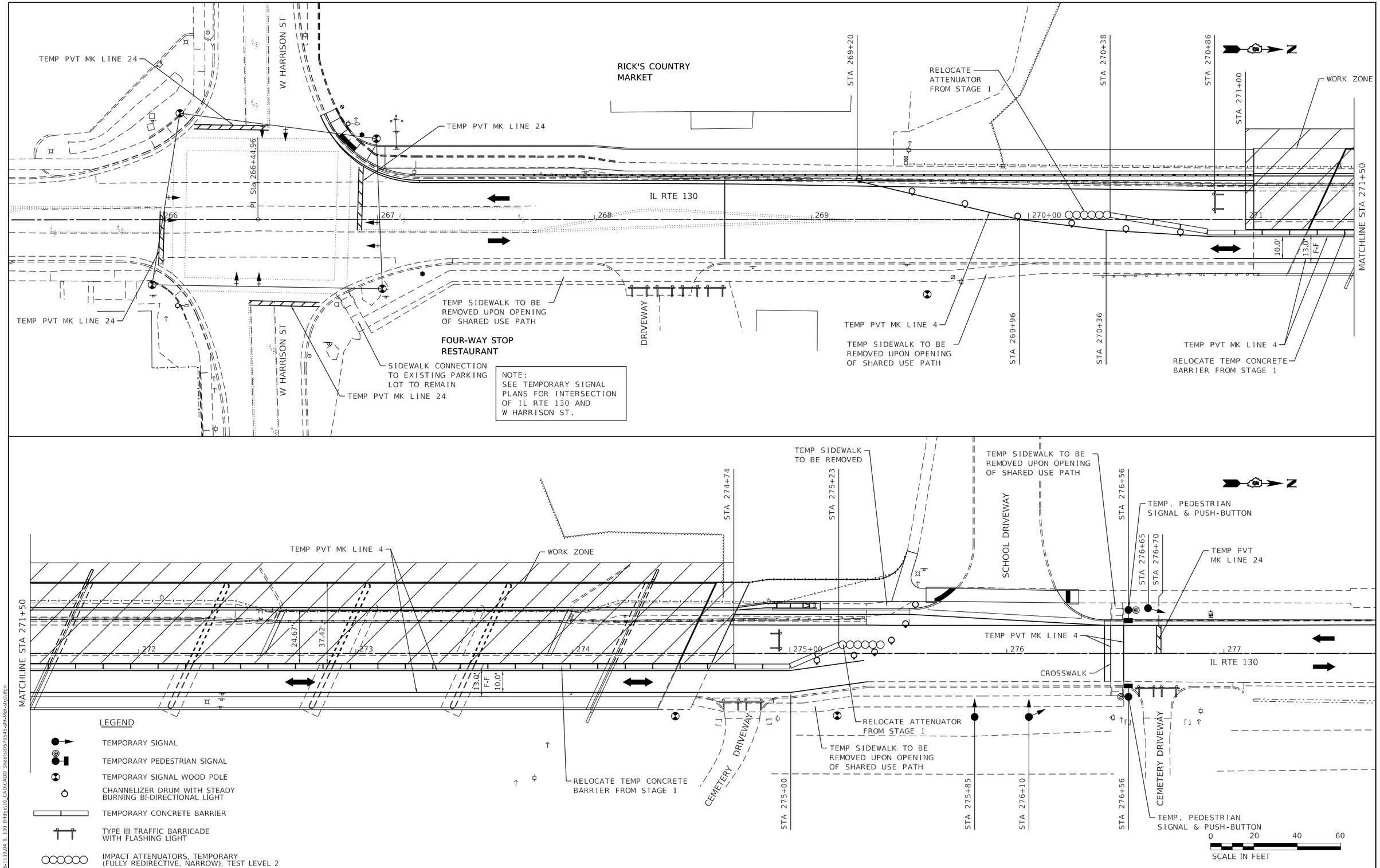
PLOT DATE = 4/12/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 130 OVER EMBARRAS RIVER
SUGGESTED MAINTENANCE OF TRAFFIC – STAGE 1

SCALE: 1"=20' | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	47
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		



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	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 4/12/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 130 OVER EMBARRAS RIVER
SUGGESTED MAINTENANCE OF TRAFFIC – STAGE 2

SCALE: 1"=20' | SHEET OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	48
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

PRE-STAGE

TRAFFIC

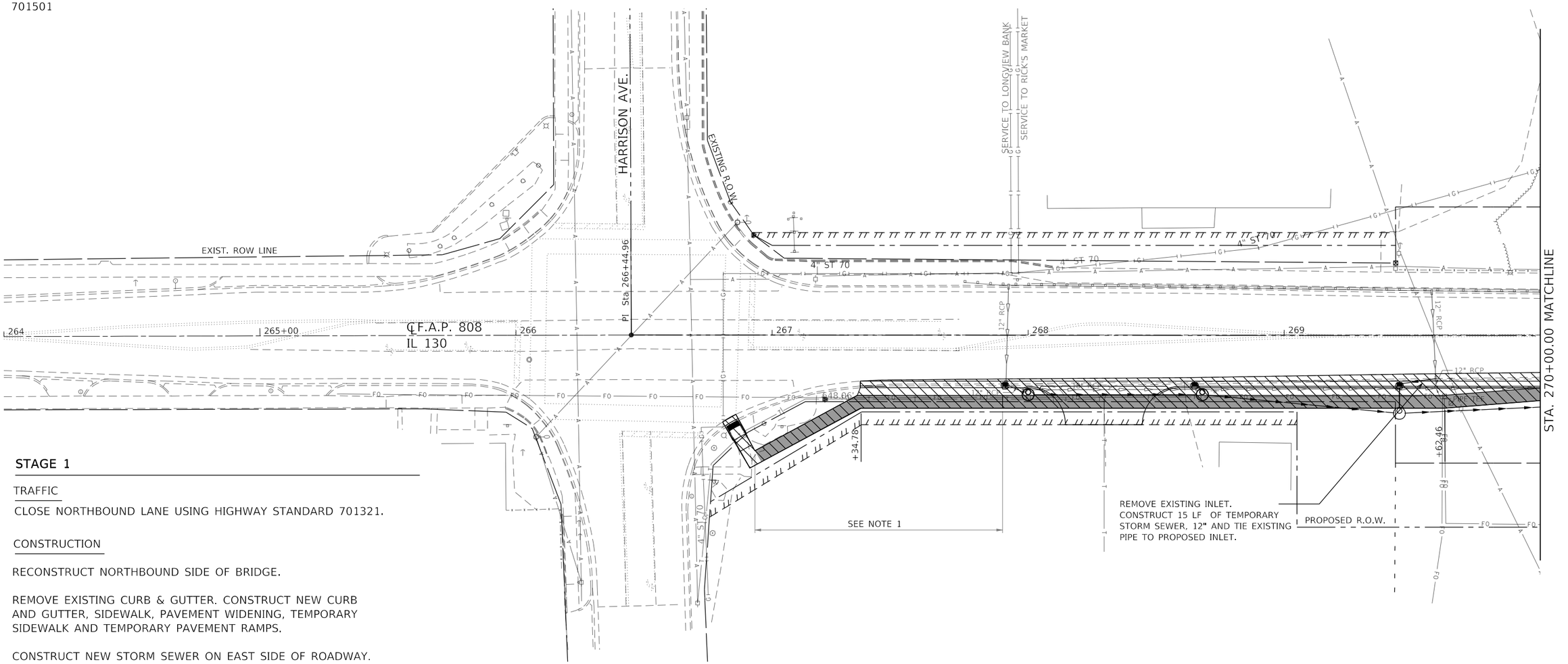
CLOSE SOUTHBOUND LANE USING HIGHWAY STANDARD 701501.

CONSTRUCTION

MILL AND RESURFACE SOUTHBOUND SIDE OF EXISTING BRIDGE.

PRIMARY IDOT STANDARDS THIS STAGE
(SEE SPECIAL PROVISIONS FOR ADDITIONAL APPLICABLE STANDARDS)

701501



STAGE 1

TRAFFIC

CLOSE NORTHBOUND LANE USING HIGHWAY STANDARD 701321.

CONSTRUCTION

RECONSTRUCT NORTHBOUND SIDE OF BRIDGE.

REMOVE EXISTING CURB & GUTTER. CONSTRUCT NEW CURB AND GUTTER, SIDEWALK, PAVEMENT WIDENING, TEMPORARY SIDEWALK AND TEMPORARY PAVEMENT RAMPS.

CONSTRUCT NEW STORM SEWER ON EAST SIDE OF ROADWAY. TEMPORARY CONNECTIONS WILL BE NECESSARY TO MAINTAIN CROSS ROAD DRAINAGE. SEE STAGING PLANS FOR LOCATIONS.

THE SCHOOL ENTRANCE WILL BE CONSTRUCTED WHEN SCHOOL IS OUT AS DIRECTED BY THE ENGINEER.

PRIMARY IDOT STANDARDS THIS STAGE
(SEE SPECIAL PROVISIONS FOR ADDITIONAL APPLICABLE STANDARDS)

701321

NOTE 1: TEMPORARY SIDEWALK SHALL CONSIST OF USING EXISTING PAVEMENT AND DESIGNATING 5 FT SIDEWALK WIDTH BY PLACING TEMPORARY PAVEMENT MARKING LINE 4" ON EACH SIDE. TEMPORARY PAVEMENT MARKING LINE 4" SHALL BE INCLUDED IN THE COST OF THE TEMPORARY SIDEWALK.

MODEL: Default
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	DRAWN -	REVISED -
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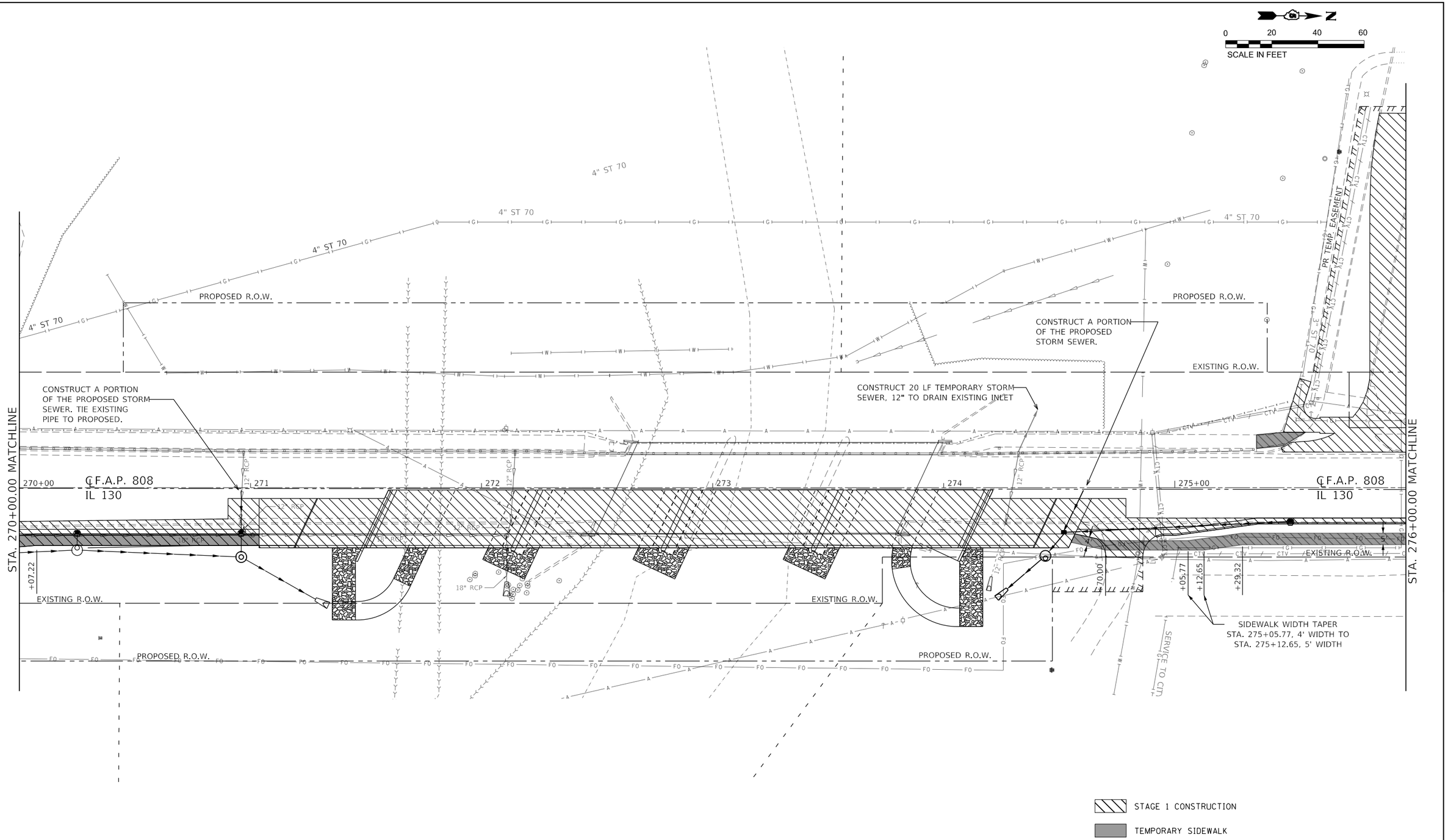
PLOT DATE = 5/24/2019 - 12:07:10 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1
IL 130

SCALE: 1" = 20' | SHEET OF SHEETS | STA. 264+00.00 | TO STA. 270+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	49
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		



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	DRAWN -	REVISED -	
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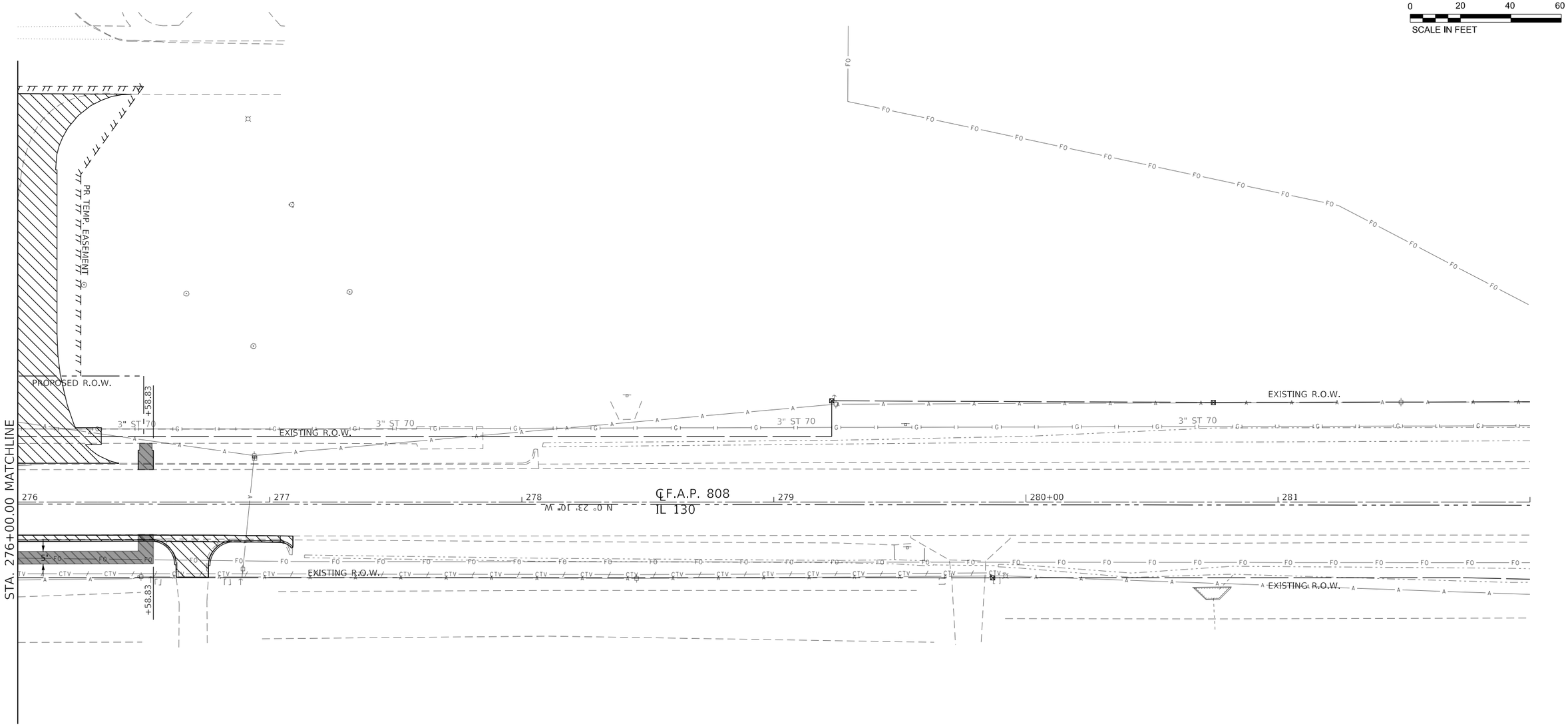
PLOT DATE = 5/24/2019 - 12:07:11 PM	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1
IL 130

SCALE: 1" = 20' | SHEET OF SHEETS | STA. 270+00.00 | TO STA. 276+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	50
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			



STAGE 1 CONSTRUCTION

TEMPORARY SIDEWALK (5 FT WIDTH)

MODEL: Default
FILE NAME: ...\D570545-sht-staging1.dgn

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	DRAWN -	REVISED -	
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PLOT DATE = 5/24/2019 - 12:07:11 PM	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 1
IL 130

SCALE: 1" = 20' | SHEET OF SHEETS | STA. 270+00.00 | TO STA. 276+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	51
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			

STAGE 2

TRAFFIC

CLOSE SOUTHBOUND LANE USING HIGHWAY STANDARD 701321.

CONSTRUCTION

RECONSTRUCT SOUTHBOUND SIDE OF BRIDGE.

REMOVE EXISTING CURB & GUTTER. CONSTRUCT NEW CURB AND GUTTER, SIDEWALK, PAVEMENT WIDENING AND TEMPORARY PAVEMENT RAMPS.

CONSTRUCT PROPOSED STORM SEWER ON WEST SIDE OF ROADWAY. CONNECT TO NEW STORM FROM EAST SIDE OF ROADWAY CONSTRUCTED IN STAGE 1.

THE AREA OF THE SCHOOL ENTRANCE TO BE RECONSTRUCTED IN THIS STAGE SHALL BE CONSTRUCTED WHEN SCHOOL IS OUT AND AS DIRECTED BY THE ENGINEER.

PRIMARY IDOT STANDARDS THIS STAGE
(SEE SPECIAL PROVISIONS FOR ADDITIONAL APPLICABLE STANDARDS)

701321 & 701801

STAGE 3

TRAFFIC

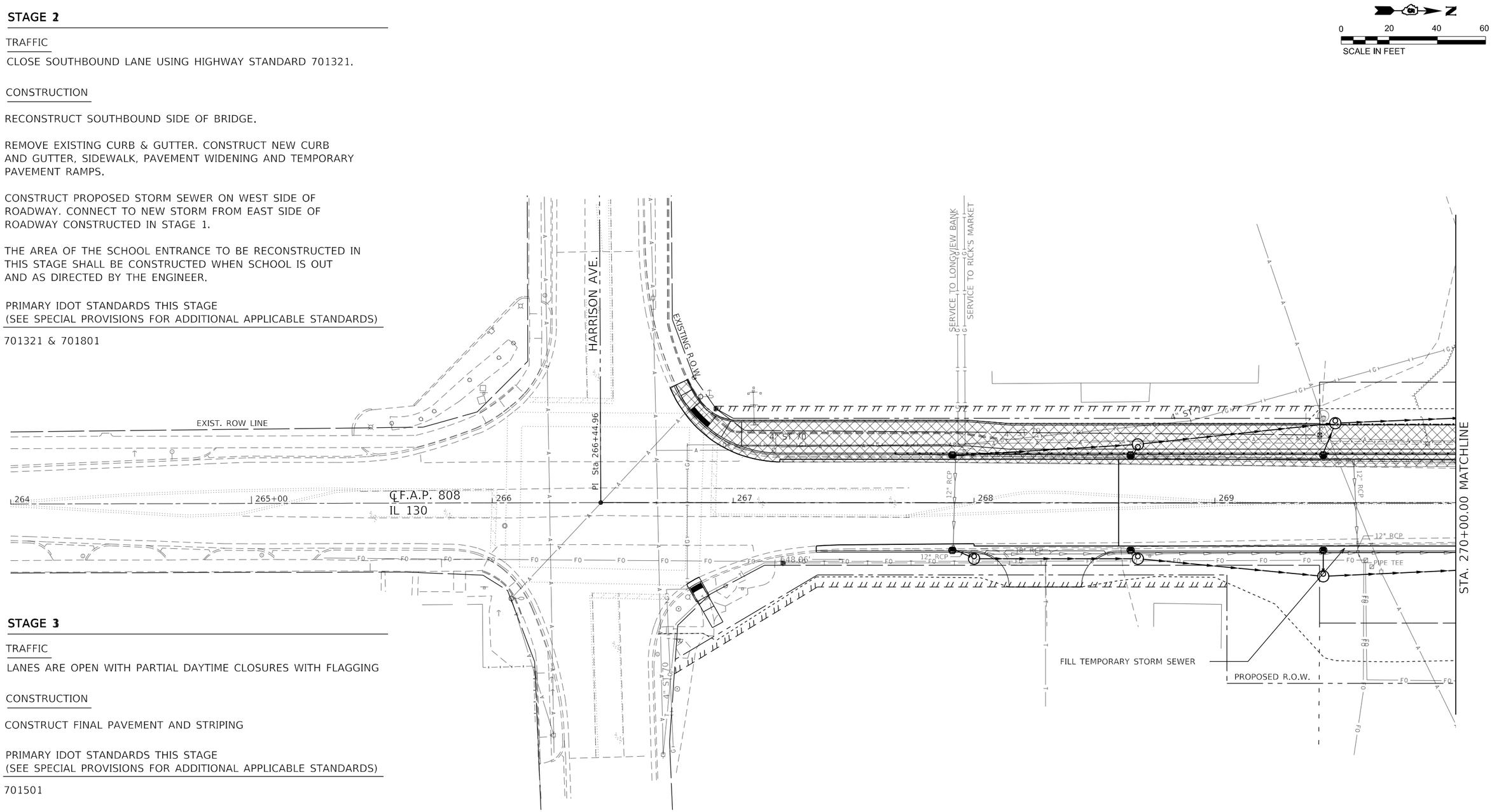
LANES ARE OPEN WITH PARTIAL DAYTIME CLOSURES WITH FLAGGING

CONSTRUCTION

CONSTRUCT FINAL PAVEMENT AND STRIPING

PRIMARY IDOT STANDARDS THIS STAGE
(SEE SPECIAL PROVISIONS FOR ADDITIONAL APPLICABLE STANDARDS)

701501



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PLOT DATE = 5/24/2019 - 12:07:32 PM	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2
IL 130

SCALE: 1" = 20' | SHEET OF SHEETS | STA. 264+00.00 | TO STA. 270+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	52
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

0 20 40 60
SCALE IN FEET

STA. 270+00.00 MATCHLINE

STA. 276+00.00 MATCHLINE

℄ F.A.P. 808
IL 130

270+00 271 272 273 274 275+00

PROPOSED R.O.W.

CONSTRUCT REMAINING PORTION
OF PROPOSED STORM SEWER

REMOVE TEMPORARY STORM SEWER

EXISTING R.O.W.

PR TEMP. EASEMENT

4" ST 70

12" RCP

18" RCP

SERVICE TO CITY

STAGE 2 CONSTRUCTION

MODEL: Default
FILE NAME: ...\D5705545-sht-stashng2.dgn

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	DRAWN -	REVISED -	
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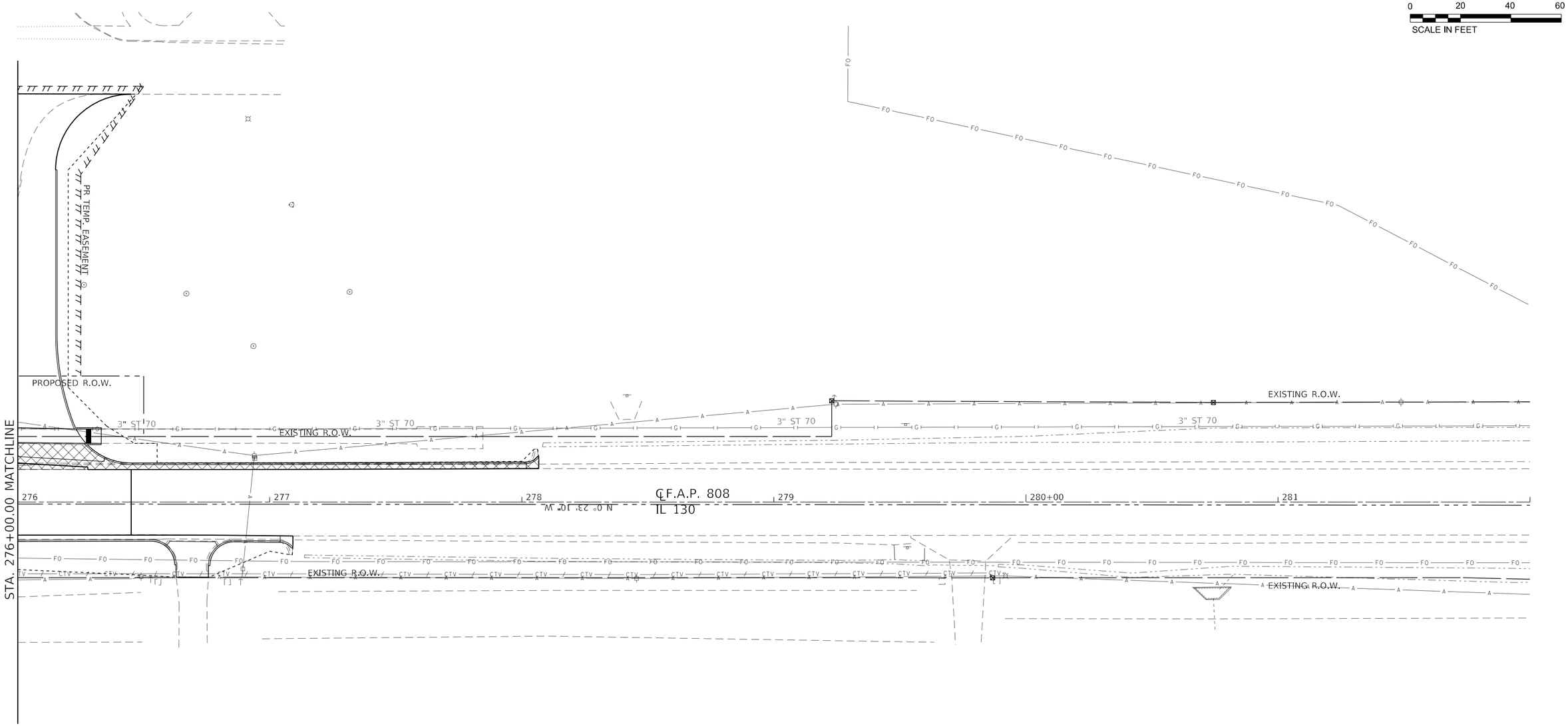
PLOT DATE = 5/24/2019 - 12:07:33 PM	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE 2
IL 130

SCALE: 1" = 20' | SHEET OF SHEETS | STA. 270+00.00 TO STA. 276+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	53
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			



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	DRAWN -	REVISED -	
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PLOT DATE = 5/24/2019 - 12:07:34 PM	DATE -	REVISED -	

STAGE 2
IL 130

SCALE: 1" = 20' | SHEET OF SHEETS | STA. 270+00.00 | TO STA. 276+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	54
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			

NOTE: THE ENTIRE PROJECT LIMITS LIE WITHIN THE FLOODPLAIN.

W HARRISON ST

RICK'S COUNTRY MARKET

PI Sta 266+44.96

IL RTE 130

FOUR-WAY STOP RESTAURANT

DRIVEWAY

48.06'

12" RCP

18" RCP

PIPE TEE

267 268 269 270+00 271 272

STA 269+00
STA 269+07 36' RT
STA 269+43 72' RT
STA 270+00 72' RT J-HOOK
STA 270+25 47' LT
STA 270+48 47' LT
STA 270+50
STA 270+78 77' LT
PR ROW
STA 271+00 72' RT J-HOOK
STA 271+10 77' LT J-HOOK
WETLAND
STA 271+35
STA 271+50 72' RT J-HOOK
STA 271+60 77' LT J-HOOK
SL
STA 271+68
STA 272+00 72' RT J-HOOK
STA 272+10 77' LT J-HOOK
EX ROW
FLOODWAY BOUNDARY

MATCHLINE STA 272+50

STA 272+50 72' RT J-HOOK
STA 272+60 77' LT J-HOOK
STA 273+10 77' LT J-HOOK
STA 273+24 70' RT J-HOOK
STA 273+60 73' LT J-HOOK
STA 273+74 70' RT J-HOOK
STA 274+10 73' LT J-HOOK
STA 274+16
STA 274+22 70' RT
STA 274+50 73' LT
STA 274+52 73' LT
STA 274+70
STA 274+80 52' LT
STA 275+35 52' LT
STA 275+54

273 274 275+00 276 277 278

SCHOOL DRIVEWAY
CEMETERY DRIVEWAY
CEMETERY DRIVEWAY

IL RTE 130
N 0° 23' 10" W

0 20 40 60
SCALE IN FEET

LEGEND

- INLET AND PIPE PROTECTION
- PERIMETER EROSION BARRIER
- EROSION CONTROL BLANKET
- WETLANDS

MODEL: Default
FILE NAME: P:\6-1119.04 IL 130 Bridge\10_CAD\CADD Sheets\D570545-PH-Eros.dgn

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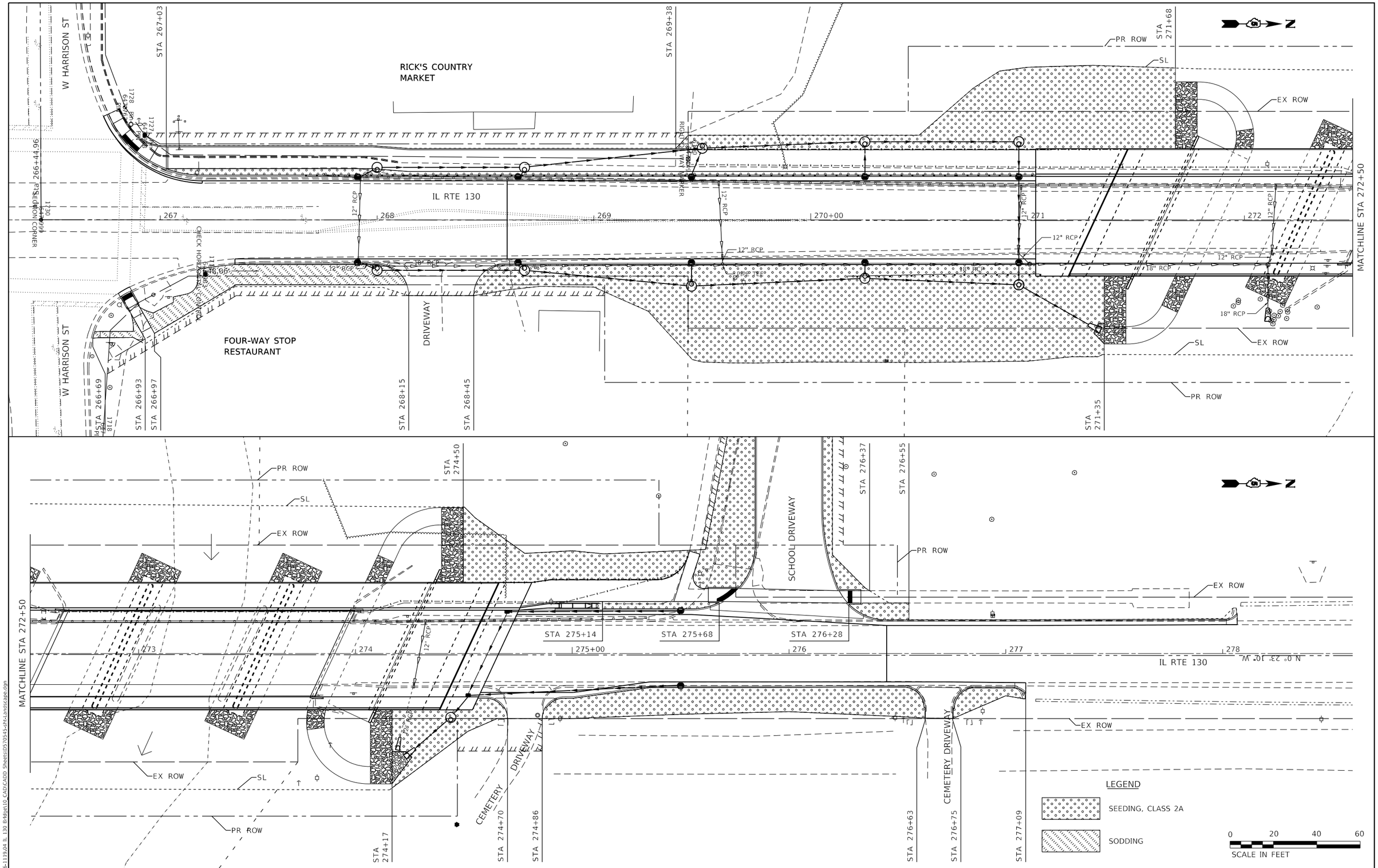
PLOT DATE = 5/24/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 130 OVER EMBARRAS RIVER
EROSION CONTROL PLAN

SCALE: 1"=20' | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	55
		CONTRACT NO. 70545		
		ILLINOIS FED. AID PROJECT		



USER NAME = rjo	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 4/12/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 130 OVER EMBARRAS RIVER
LANDSCAPE PLAN

SCALE: 1"=20' | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	56
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

MODEL: Default
FILE NAME: P:\16-1119.04 IL 130 Bridges\10_CAD\CADD Sheets\D570545-PH-Landscape.dgn

LEGEND

- EXISTING CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPERTY LINE (NOT SURVEYED)
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PROPERTY (DEED) LINE
- 121.45' MEASURED DIMENSION
- (121.45') RECORDED DIMENSION
- EXISTING RIGHT OF WAY MARKER FOUND
- FOUND STONE
- FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED
- I.D.O.T. CONTROL POINT
- SAME OWNERSHIP

N

0 20 40 60

SCALE IN FEET

NOTES

BEARINGS BASED ON ILLINOIS STATE PLANE COORDINATES, EAST ZONE NAD 83 (2011) EPOCH 2010.

CENTERLINES AND SURVEY/CONSTRUCTION CENTERLINES ARE NOT CENTERLINE OF EXISTING RIGHT OF WAY.

FIELD WORK COMPLETED MAY, 2018.

PARCEL 5376002

LONGVIEW BANK

AREA OF PARENT TRACT = 197,490 SQ. FT.±
AREA OF TAKING = 10,760 SQ. FT.±
AREA OF EASEMENT = 1,239 SQ. FT.±
REMAINDER OF PARENT TRACT = 185,291 SQ. FT.±

FOR REFERENCE:
WARRANTY DEED
RECORDED AS DOCUMENT NO. 220810
BOOK 561 PAGE 24
DATED 04/14/2000

JOHNSTON'S ADDITION
BLOCK 4

JOHNSTON'S ADDITION
BLOCK 3

E. HARRISON AVE.

EXISTING R.O.W. LINE

IRON PIN FOUND

IRON PIN FOUND

IRON PIN FOUND

IRON PIN FOUND

S.W. CORNER SECTION 2

PI Sta 266+44.96

P.O.B. TEMPORARY EASEMENT LINE
266+92.16 40.00' LT

P.O.B. PROPOSED R.O.W. LINE
266+92.85 38.99' LT.

S 28°59' 03" W
8.21'

267+00.00
35.00' LT

N 00°23' 10" W
251.33'

N 00°23' 10" W
243.50'

S 54°31' 54" W
1.19'

N 28°59' 03" E
8.21'

S 36°45' 50" W
14.94'

267+04.76
30.00' LT

S 00°04' 01" W
238.77'

S 00°23' 10" E
243.50'

PROPOSED R.O.W. LINE
TEMPORARY EASEMENT LINE

269+43.49
40.00' LT

N 89°26' 42" E
5.00'

269+43.50
35.00' LT

N 89°26' 42" E
6.89'

269+43.52
28.11' LT

EXISTING R.O.W. LINE

EXISTING R.O.W. LINE

PROPOSED R.O.W. LINE
270+45.00
80.00' LT

N 00°23' 10" W
310.80'

S 89°36'50" W
30.00'

S 00°23' 10" E
310.60'

270+45.00 50.00' LT
P.O.B. PROPOSED R.O.W. LINE

55+00 266 267 268 269 270+00

℄ N. SYCAMORE ST. (IL. 130)
F.A.P. 808 (IL-130)

EAST LINE OF THE SOUTH QUARTER OF SECTION 3, N 00°20'17" W

℄ N. SYCAMORE (IL 130)
N 00°23'10" W

WEST LINE OF THE SOUTH QUARTER OF SECTION 2, N 00°20'17" W

MTCH LINE STA. 271+00

N 28°25' 36" W
25.53'

267+12.98
26.00' RT

N 44°14' 23" W
18.74'

266+90.45
38.00' RT

266+76.94
50.98' RT

N 00°23' 10" W
230.48'

EXISTING R.O.W. LINE

267+35.00
30.00' RT

267+35.00
35.00' RT

S 00°23' 10" E
170.00'

S 00°23' 10" E
170.00'

PROPOSED R.O.W. LINE
TEMPORARY EASEMENT LINE

269+05.00
30.00' RT

N 89°36' 50" E
5.00'

269+05.00
35.00' RT

S 89°36' 50" W
45.00'

269+05.00
75.00' RT

269+43.29
75.00' RT

269+43.46
26.00' RT

N 89°36' 51" E
24.00'

269+43.46
50.00' RT

P.O.B. PROPOSED R.O.W. LINE
270+45.07 50.00' RT

N 00°23' 10" W
101.61'

N 00°23' 10" W
328.39'

EXISTING R.O.W. LINE

N 00°00' 00" W
25.00'

S 00°00' 00" E
25.00'

S 00°23' 10" E
139.90'

270+44.90
75.00' RT

S 00°23' 10" E
310.02'

PROPOSED R.O.W. LINE

N 86°25' 08" W
14.15'

N 86°25' 08" W
6.04'

S 31°06 55" E
68.68'

S 31°40' 05" E
69.57'

P.O.B. PROPOSED R.O.W. LINE
266+75.96 65.10' RT

P.O.B. TEMPORARY EASEMENT LINE
266+75.54 71.13' RT

IRON PIN FOUND

FRONT ST.

EXISTING R.O.W. LINE

EXISTING R.O.W. LINE

PARCEL 5376001

FOUR WAY STOP INC.

AREA OF PARENT TRACT = 174,240 SQ. FT.±
AREA OF TAKING = 5,958 SQ. FT.±
AREA OF EASEMENT = 1,169 SQ. FT.±
REMAINDER OF PARENT TRACT = 168,282 SQ. FT.±

FOR REFERENCE:
WARRANTY DEED
RECORDED AS DOCUMENT NUMBER 154747
BOOK 197 PAGE 141
DATED 10/17/1984

FOUR WAY STOP INC.
BOOK 197 PAGE 141

PARCEL 5376005

KENNETH M. FONNER AND
BARBARA L. FONNER

FOR REFERENCE:
WARRANTY DEED
RECORDED AS DOCUMENT NUMBER 151615
BOOK 195 PAGE 212
DATED 1/09/1984

PETER B. WAGNER
3660
PROFESSIONAL LAND SURVEYOR
STATE OF ILLINOIS
ILLINOIS

THIS PLAT OF SURVEY WAS MADE UNDER MY DIRECTION FOR THE DIVISION OF HIGHWAYS, STATE OF ILLINOIS AND CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR BOUNDARY SURVEY.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3660
LICENSE EXPIRES 11/30/2020

FUHRMANN ENGINEERING INC.
CIVIL ENGINEERS/LAND SURVEYORS

FILE NAME = G:\FEIjobs_2016\16-1030 PTB 181-13 BFW \VARIOUS PH I & PH II DS\WORK ORDER 4\Geopak\DRAWINGS\sht-ROW plan.01.dgn	USER NAME = Mark	DESIGNED - M.B.R.	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - THW	REVISED -
Default	PLOT DATE = 4/16/2019	DATE - JAN 2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLAN

SCALE: 1" = 20' | SHEET 1 OF 2 SHEETS | STA. 266+75.54 TO STA. 270+45.07

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	57
		CONTRACT NO. 70545		
		ILLINOIS FED. AID PROJECT		

0 20 40 60

SCALE IN FEET

NOTES

BEARINGS BASED ON ILLINOIS STATE PLANE COORDINATES, EAST ZONE NAD 83 (2011) EPOCH 2010.

CENTERLINES ARE SURVEY/CONSTRUCTION CENTERLINES AND ARE NOT CENTERLINE OF EXISTING RIGHT OF WAY.

FIELD WORK COMPLETED XXXXXXX.

PARCEL 5376002

LONGVIEW BANK

AREA OF PARENT TRACT = 197,490 SQ. FT.±
AREA OF TAKING = 10,760 SQ. FT.±
AREA OF EASEMENT = 1,239 SQ. FT.±
REMAINDER OF PARENT TRACT = 185,291 SQ. FT.±

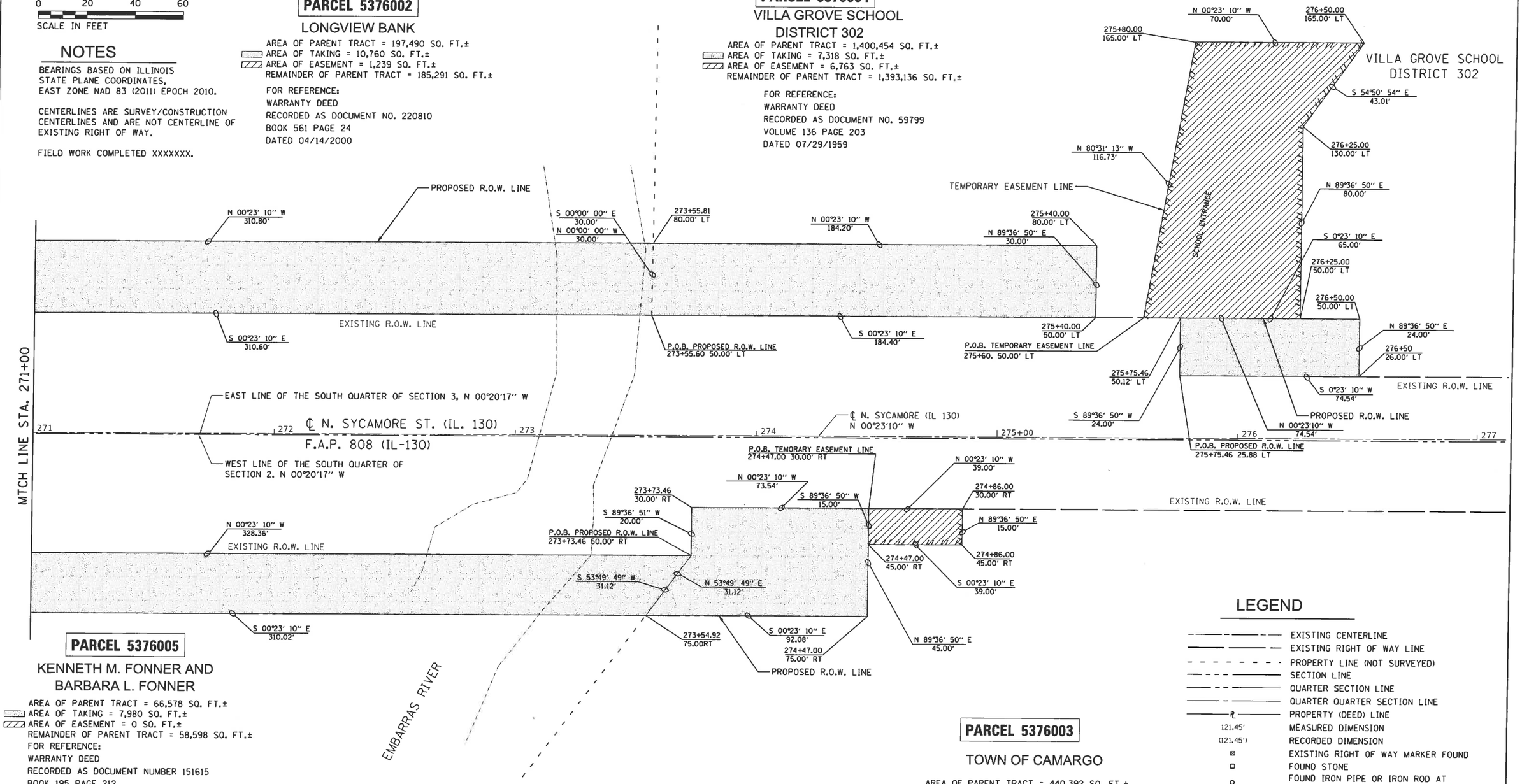
FOR REFERENCE:
WARRANTY DEED
RECORDED AS DOCUMENT NO. 220810
BOOK 561 PAGE 24
DATED 04/14/2000

PARCEL 5376004

VILLA GROVE SCHOOL DISTRICT 302

AREA OF PARENT TRACT = 1,400,454 SQ. FT.±
AREA OF TAKING = 7,318 SQ. FT.±
AREA OF EASEMENT = 6,763 SQ. FT.±
REMAINDER OF PARENT TRACT = 1,393,136 SQ. FT.±

FOR REFERENCE:
WARRANTY DEED
RECORDED AS DOCUMENT NO. 59799
VOLUME 136 PAGE 203
DATED 07/29/1959



PARCEL 5376005

KENNETH M. FONNER AND BARBARA L. FONNER

AREA OF PARENT TRACT = 66,578 SQ. FT.±
AREA OF TAKING = 7,980 SQ. FT.±
AREA OF EASEMENT = 0 SQ. FT.±
REMAINDER OF PARENT TRACT = 58,598 SQ. FT.±
FOR REFERENCE:
WARRANTY DEED
RECORDED AS DOCUMENT NUMBER 151615
BOOK 195 PAGE 212
DATED 1/09/1984

PARCEL 5376003

TOWN OF CAMARGO

AREA OF PARENT TRACT = 440,392 SQ. FT.±
AREA OF TAKING = 3,541 SQ. FT.±
AREA OF EASEMENT = 585 SQ. FT.±
REMAINDER OF PARENT TRACT = 439,807 SQ. FT.±

FOR REFERENCE:
WARRANTY DEED
RECORDED AS DOCUMENT 66388
VOLUME 138, PAGE 368
DATED JANUARY 1961

LEGEND

- EXISTING CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPERTY LINE (NOT SURVEYED)
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- ℄ PROPERTY (DEED) LINE
- 121.45' MEASURED DIMENSION
- (121.45') RECORDED DIMENSION
- ⊠ EXISTING RIGHT OF WAY MARKER FOUND
- □ FOUND STONE
- ○ FOUND IRON PIPE OR IRON ROD AT CORNER UNLESS OTHERWISE NOTED
- ⊕ I.D.O.T. CONTROL POINT
- SAME OWNERSHIP

THIS PLAT OF SURVEY WAS MADE UNDER MY DIRECTION FOR THE DIVISION OF HIGHWAYS, STATE OF ILLINOIS AND CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR BOUNDARY SURVEY.

PETER B. WAGNER 3660 PROFESSIONAL LAND SURVEYOR STATE OF ILLINOIS ★ILLINOIS★

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3660
LICENSE EXPIRES 11/30/2020

FUHRMANN ENGINEERING INC
CIVIL ENGINEERS/LAND SURVEYORS

FILE NAME = G:\FE\Jobs_2016\16-1030 PTB 181-13 BFW\VARIOUS PH I & PH II 05\WORK ORDER 4\Geopak\Drawings\sht-ROW plan_02.dgn	USER NAME = Mark	DESIGNED - M.B.R.	REVISED -
			REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED - THW	REVISED -
Default	PLOT DATE = 4/16/2019	DATE - JAN 2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLAN

SCALE: 1" = 20' | SHEET 2 OF 2 SHEETS | STA. 266+75.54 TO STA. 270+45.07

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	58
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			

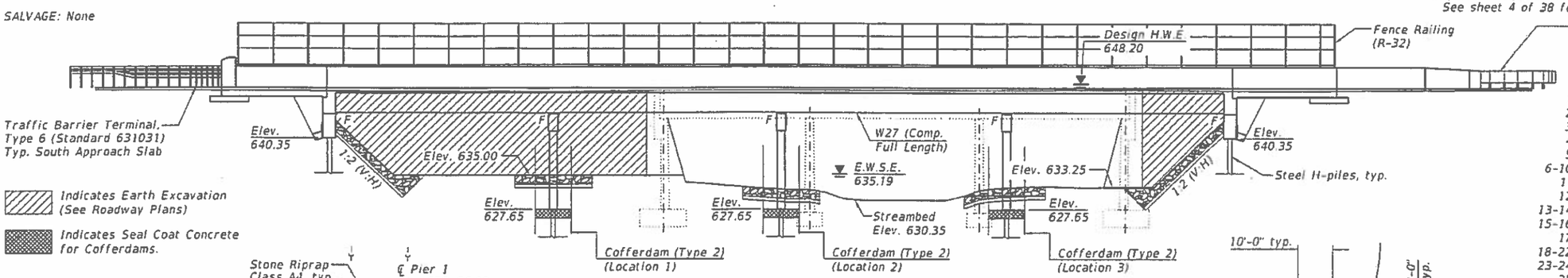
BENCH MARK: Top of southwest wing wall at southwest corner of existing bridge, S.N. 021-0028; Station 272+60.18, 21.00 ft (LT) . Elevation 648.40.

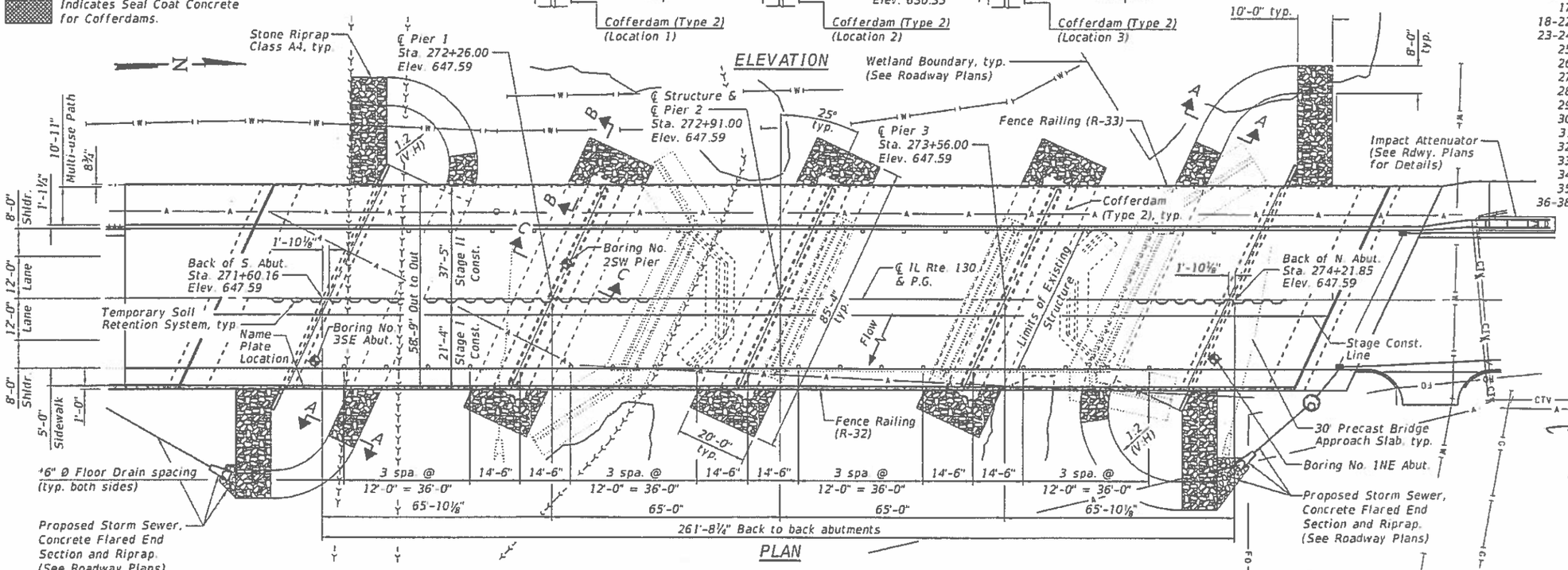
EXISTING STRUCTURE: SN 021-0028 was originally built in 1955 as SA Route 2, Section 12B-15D. The bridge was repaired in 1981 as FAP 808, Section (10,12)(W,RS),12B-J&(H,L)(W,RS) at Station 273+23.19. The existing structure is a 3-span wide flange steel beam bridge. The bridge length is 136'-10" from back to back of abutments and the width is 39'-8" out to out of deck on a 25-degree skew. The structure is to be removed and replaced using stage construction to maintain one lane of traffic at all times.

SALVAGE: None

APPROVED
For Structural Adequacy Only
Engineer of Bridges & Structures

Notes:
See Roadway Plans and Project Special Provisions for Additional Utility Details and Status of Utilities.
See sheet 2 of 38 for Sections A-A, B-B and C-C.
Removal of the existing abutments shall be per Section 501 of the Standard Specifications except the abutments shall be removed to at least 3 feet below the proposed ground surface elevation. See sheet 4 of 38 for additional requirements for the removal of existing piers.
See sheet 4 of 38 for Cofferdam and Seal Coat Details.





* Drains shall be located clear of all diaphragms and 10' clear of substructure units.

DESIGN SPECIFICATIONS

2017 AASHTO LRFD Bridge Design Specifications, 8th Edition

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

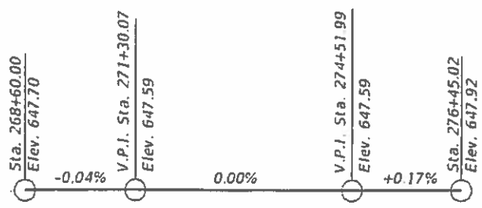
DESIGN STRESSES

FIELD UNITS

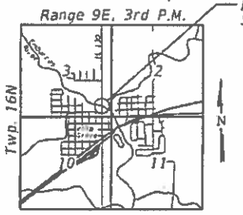
f'c = 4,000 psi (Superstructure Concrete)
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M 270 Grade 50) (Hot-dip Galvanized)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.106g
Design Spectral Acceleration at 0.2 sec. (SDS) = 0.207g
Soil Site Class = C



PROFILE GRADE
(Along ℄ IL 130)



LOCATION SKETCH

INDEX OF SHEETS

LICENSED STRUCTURAL ENGINEER
GERALD B. ROTHERHAM
081-005673
STATE OF ILLINOIS
Gerald B. Rotherham
6/20/2019
Exp.: 11/30/2020

GENERAL PLAN AND ELEVATION
IL ROUTE 130
OVER EMBARRAS RIVER
F.A.P. ROUTE 808 - SECTION (12B-15D)BR
DOUGLAS COUNTY
STATION 272+91.00
STRUCTURE NO. 021-0063

BACON | FARMER | WORKMAN ENGINEERING & TESTING, INC.	USER NAME =	DESIGNED - GBR	REVISED -	
		CHECKED - CMV	REVISED -	
	PLOT SCALE =	DRAWN - BJV	REVISED -	
	PLOT DATE =	CHECKED - GBR	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 021-0063
SHEET 1 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	59
		CONTRACT NO. 70545		
		ILLINOIS | FED. AID PROJECT		

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GENERAL NOTES

All new structural steel shall be hot-dip galvanized. See Special Provision for "Hot-Dip Galvanizing for Structural Steel."

Fasteners shall be ASTM F3125, Grade 325 Type 1, hot dip galvanized bolts. Bolts ⅞ in. Ø, holes $^{15}/_{16}$ in. Ø, unless otherwise noted.

Calculated weight of Structural Steel = 426,180 lbs. (M 270 Grade 50)

No field welding is permitted except as specified in the contract documents.

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.

The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.

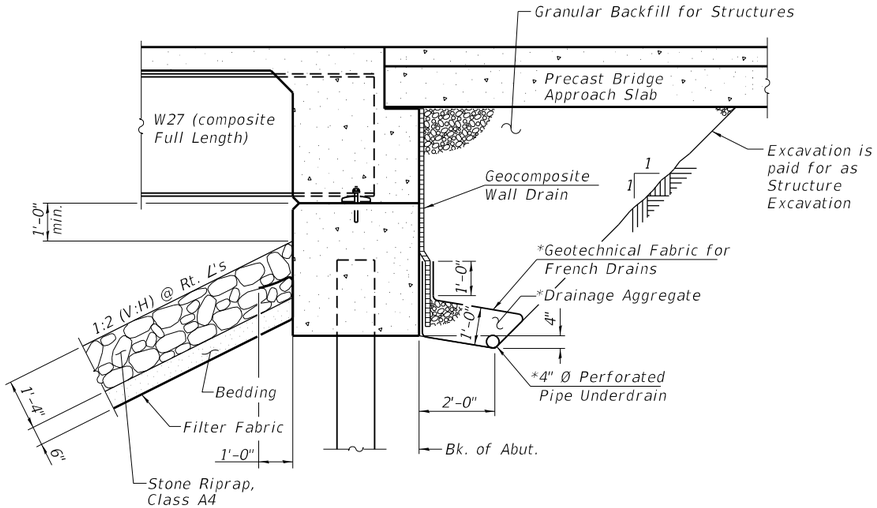
Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of ⅛ inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

Seal coat thickness design is based on the Estimated Water Surface Elevation (EWSE). Cofferdam design details and proposed changes in seal coat thickness shall be submitted to the Engineer for approaval with the cofferdam design.

Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure. The Contractor shall sawcut the upper portion of the existing abutment at the stage removal line before Stage I removal to ensure the remaining portion will not be prematurely damaged.

S.N. 021-0028 has been determined on the basis of information available in the District Office not to involve asbestos in the bituminous bridge deck wearing surface or waterproofing membrane as certified with BBS form 2536 dated May 31, 2002.



SECTION THRU INTEGRAL ABUTMENT

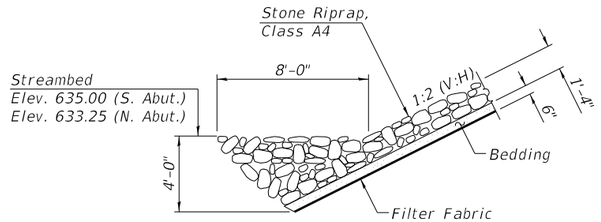
(Horiz. dim. @ Rt. ℄'s)

*Included in the cost of Pipe Underdrains for Structures. (See Special Provisions)

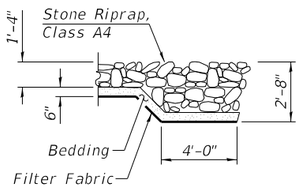
Note:
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

TOTAL BILL OF MATERIAL

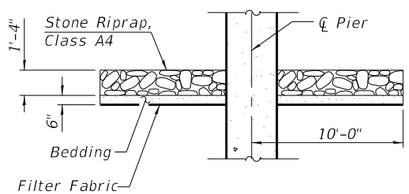
ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq. Yd.		1,499	1,499
Filter Fabric	Sq. Yd.		1,499	1,499
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.		122	122
Cofferdam Excavation	Cu. Yd.		613	613
Cofferdam (Type 2) (Location-1)	Each		1	1
Cofferdam (Type 2) (Location-2)	Each		1	1
Cofferdam (Type 2) (Location-3)	Each		1	1
Floor Drains	Each	32		32
Concrete Structures	Cu. Yd.		415.8	415.8
Concrete Superstructure	Cu. Yd.	656.4		656.4
Bridge Deck Grooving	Sq. Yd.	1,349		1,349
Seal Coat Concrete	Cu. Yd.		259	259
Protective Coat	Sq. Yd.	2,731		2,731
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	10,656		10,656
Reinforcement Bars, Epoxy Coated	Pound	140,480	38,320	178,800
Bar Splicers	Each	988	214	1,202
Bridge Fence Railing	Foot	316		316
Bridge Fence Railing (Sidewalk)	Foot	320		320
Parapet Railing	Foot	320		320
Furnishing Steel Piles HP 12x63	Foot		938	938
Furnishing Steel Piles HP 14x117	Foot		2,124	2,124
Driving Piles	Foot		3,062	3,062
Test Pile Steel HP 12x63	Each		2	2
Test Pile Steel HP 14x117	Each		3	3
Name Plates	Each	1		1
Preformed Joint Strip Seal	Foot	126		126
Anchor Bolts, 1"	Each	80		80
Temporary Soil Retention System	Sq. Ft.		1,607	1,607
Geocomposite Wall Drain	Sq. Yd.		88	88
Concrete Wearing Surface, 5"	Sq. Yd.	392		392
Precast Bridge Approach Slab	Sq. Ft.	3,382		3,382
Granular Backfill for Structures	Cu. Yd.		160	160
Pipe Underdrains for Structures, 4"	Foot		196	196



SECTION A-A



SECTION B-B



SECTION C-C

STATION 272+91.00
BUILT BY
STATE OF ILLINOIS
F.A.P. RT. 808 SEC. (12B-15D)BR
LOADING HL-93
STRUCTURE NO. 021-0063

NAME PLATE

See Std. 515001

WATERWAY INFORMATION

Drainage Area = 121 Sq. Mi.			Low Grade Elev. 647.59 @ Sta. 273+00						
Flood	Freq. Yr.	Q C.F.S.	Opening Ft²		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
	10	3898	1269	2145	646.2	0.2	0.1	646.4	646.3
Design	50	5934	1269	2145	648.2	0.2	0.1	648.4	648.3
Base	100	6749	1269	2145	649.3	0.1	0.1	649.4	649.4
Overtopping Existing	20	4832	1269	-	646.9	0.3	-	647.2	-
Overtopping Proposed	30	5322	-	2145	647.3	-	0.1	-	647.4

DESIGN SCOUR ELEVATION TABLE

Event / Limit State	Design Scour Elevations (ft.)					
	S. Abut.	Pier 1	Pier 2	Pier 3	N. Abut.	Item 113
Q50 (max)	640.35	611.40	611.40	612.40	640.35	
Design	640.35	611.40	611.40	612.40	640.35	5
Check	640.35	611.40	611.40	612.40	640.35	

BFW BACON | FARMER | WORKMAN ENGINEERING & TESTING, INC.
402 NORTH COURT STREET, MARION, ILLINOIS 62959, PHONE - 618.997.9760

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	CHECKED - CMV	REVISED -
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PLOT DATE =	CHECKED - GBR	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 021-0063
SHEET 2 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	60
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

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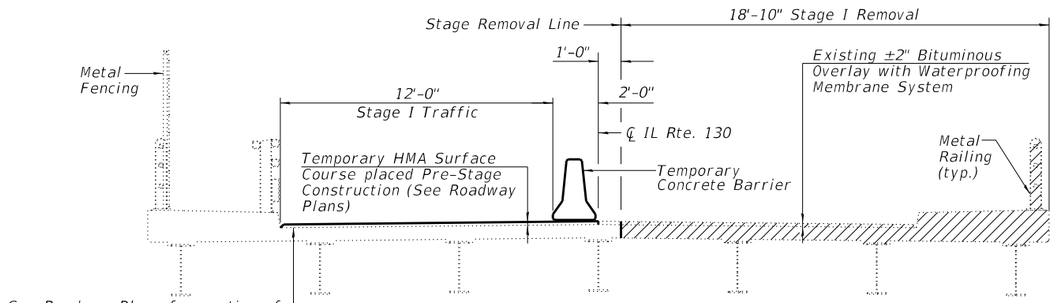
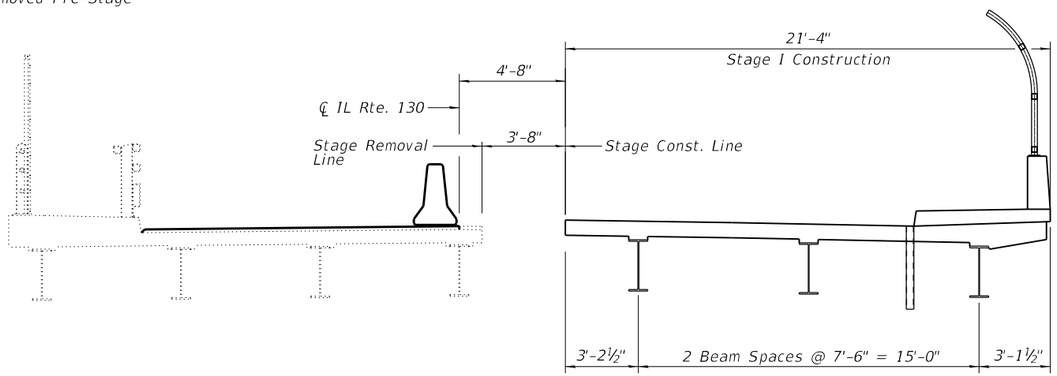


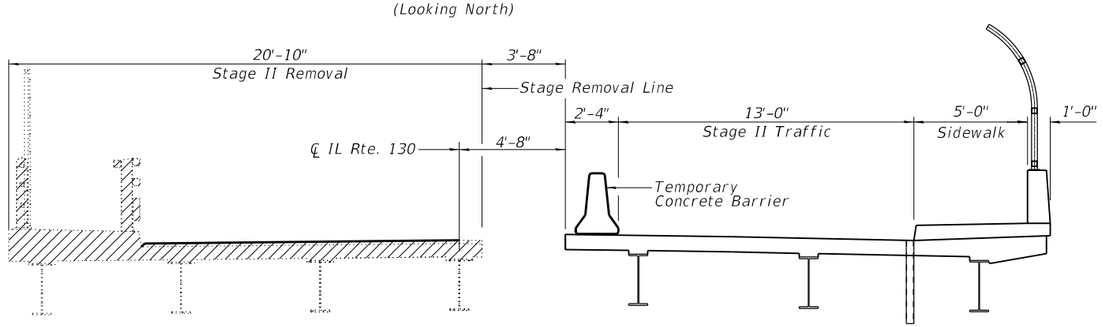
STAGE I REMOVAL & STAGE I TRAFFIC

(Looking North)



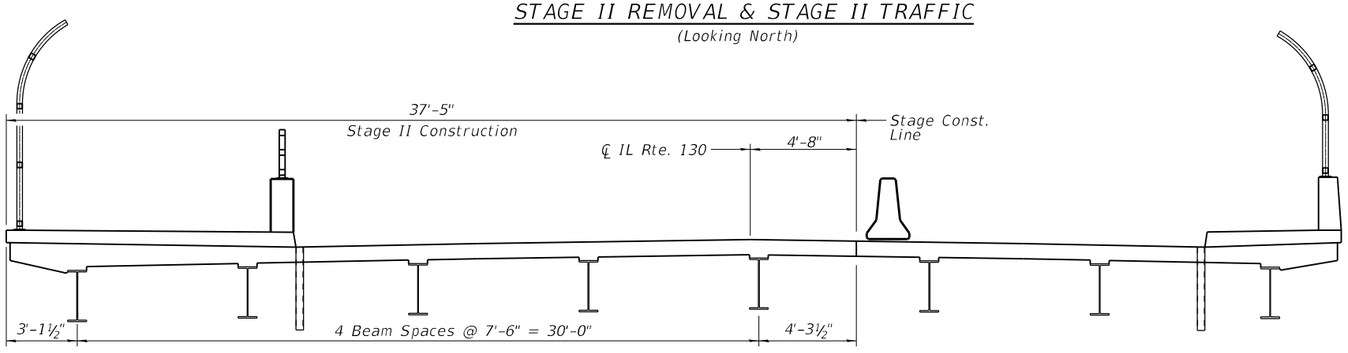
STAGE I CONSTRUCTION

(Looking North)



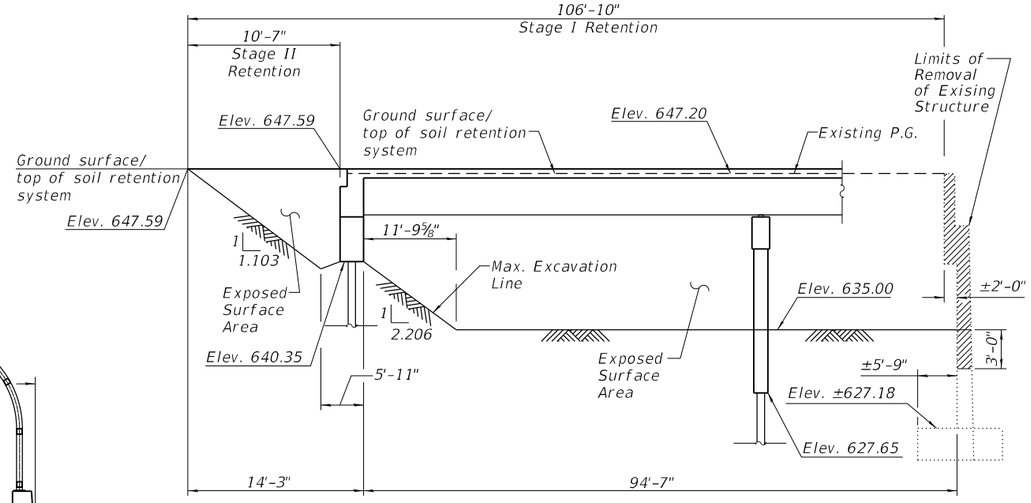
STAGE II REMOVAL & STAGE II TRAFFIC

(Looking North)



STAGE II CONSTRUCTION

(Looking North)



▨ - Indicates Limits of Removal of Existing Structure.

*SOUTH ABUTMENT TEMPORARY SOIL RETENTION SYSTEM

Notes:
Cost of removing existing Metal Rails, Metal Fencing, remaining portion of Bituminous Overlay with Waterproofing Membrane System, and Temporary HMA Surface Course is included in the Cost of Removal of Existing Structures.
See sheet 5 of 38 for Temporary Concrete Barrier, Details. See Roadway Plans for Quantity.

*NORTH ABUTMENT TEMPORARY SOIL RETENTION SYSTEM

*A cantilever sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

BILL OF MATERIAL

Item	Unit	Total
Temporary Soil Retention System	Sq. Ft.	1,607

BACON | FARMER | WORKMAN ENGINEERING & TESTING, INC.
403 NORTH COURT STREET
MARION, ILLINOIS 62959
PHONE - 618.997.9156

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 021-0063

SHEET 3 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	61
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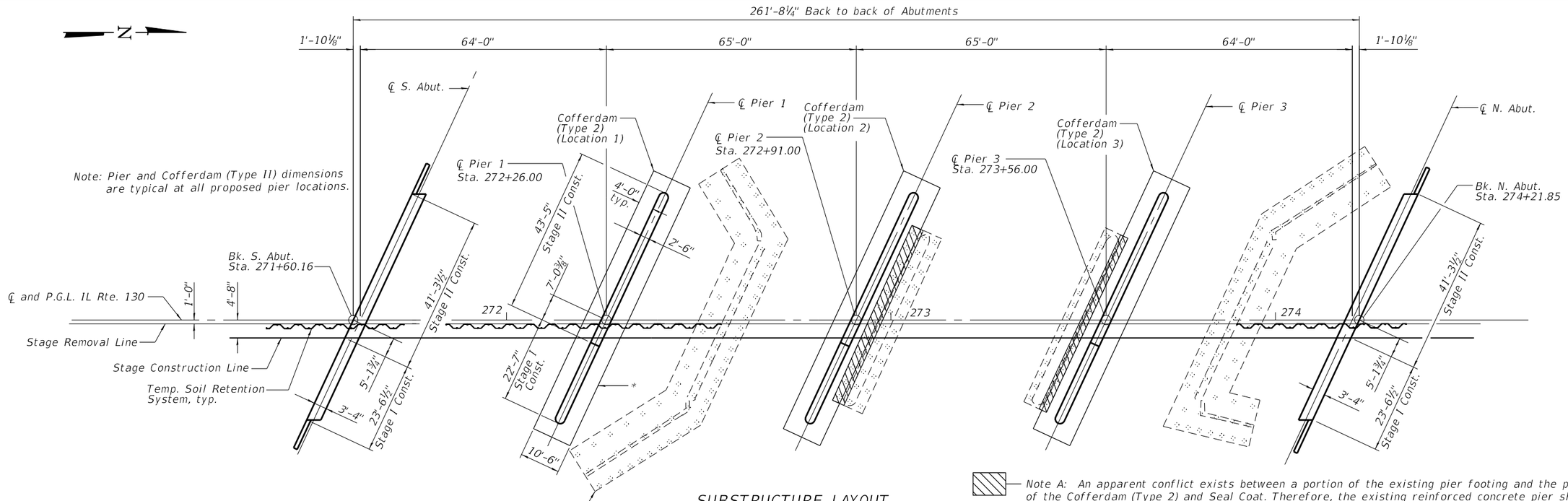
	ILLINOIS	FED. AID PROJECT		

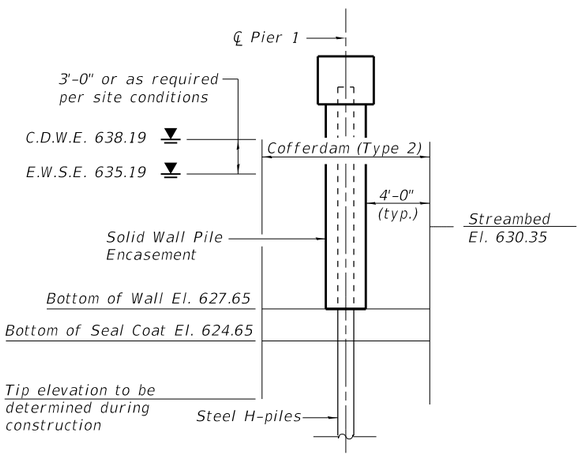


SUBSTRUCTURE LAYOUT

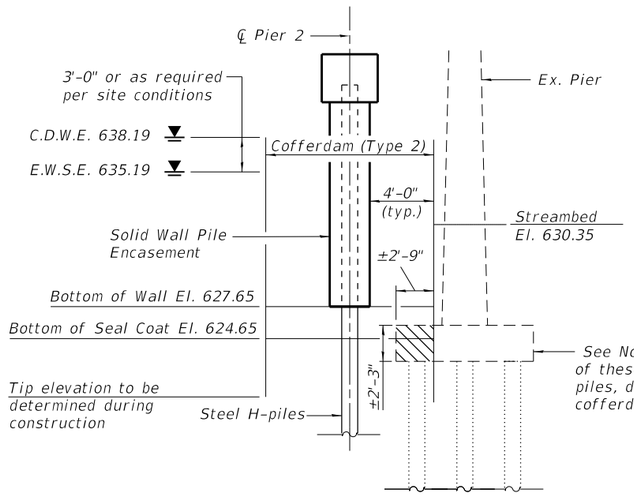
*Location of Stage Construction LIne for the Proposed Cofferdam (Type 2) and Seal Coat to be determined by the Contractor.

Note A: An apparent conflict exists between a portion of the existing pier footing and the proposed location of the Cofferdam (Type 2) and Seal Coat. Therefore, the existing reinforced concrete pier shall be removed in its entirety. The 12" ø untreated timber piling, as shown in existing as-built construction documents, may remain. Removal shall occur in two stages as required to construct the proposed structure. The limits of removal for each stage shall be shown in the Contractor's demolition plan. See Article 501.02 of the Standard Specification, for additional demolition plan requirements.

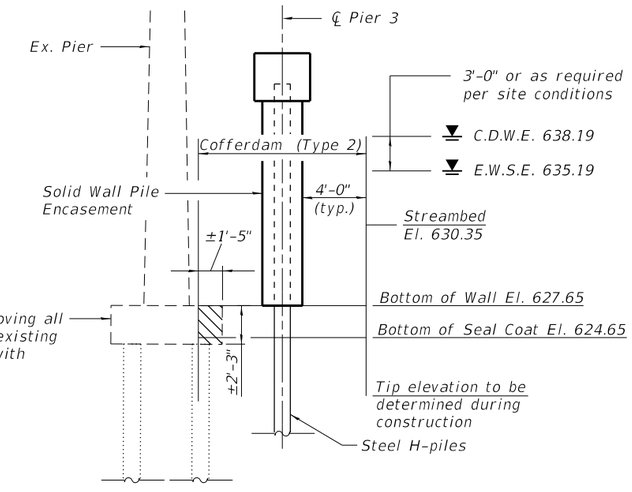
The Contractor may choose to alter the limits of Cofferdam (Type 2), Seal Coat, and pier removal shown and described. Alterations to the Cofferdam (Type 2) and Seal Coat limits shall be included with the required drawings and design calculations outlined in Article 502.06 of the Standard Specifications. Alterations to the pier removal limits shall be included with the demolition plan described in Article 501.02 of the Standard Specifications. Drawings and calculations shall be submitted to the Engineer for review and approval before the start of construction.



Section thru Pier 1



Section thru Pier 2



Section thru Pier 3

COFFERDAM DETAILS

(Horiz. dim. @ Rt. ℄'s)

BACON | FARMER | WORKMAN ENGINEERING & TESTING, INC.
403 NORTH COURT STREET
MARION, ILLINOIS 62959
PHONE - 618.997.6150

USER NAME =	DESIGNED - GBR	REVISED -	
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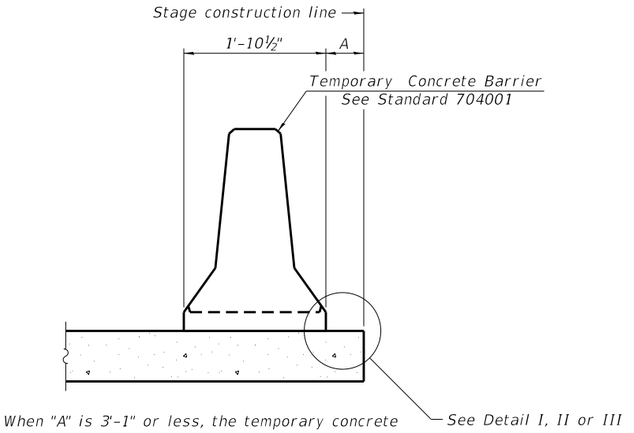
PLOT SCALE =	DRAWN - BJV	REVISED -	
PLOT DATE =	CHECKED - GBR	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

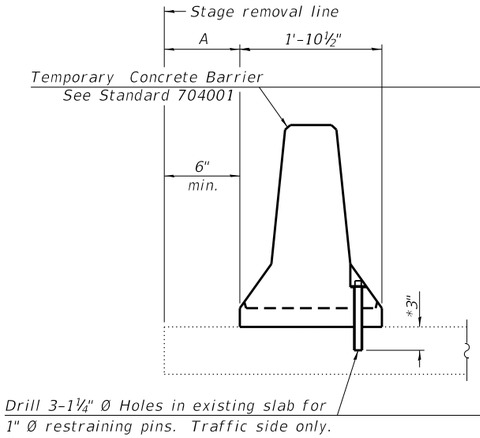
SUBSTRUCTURE LAYOUT
STRUCTURE NO. 021-0063
SHEET 4 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	62
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			



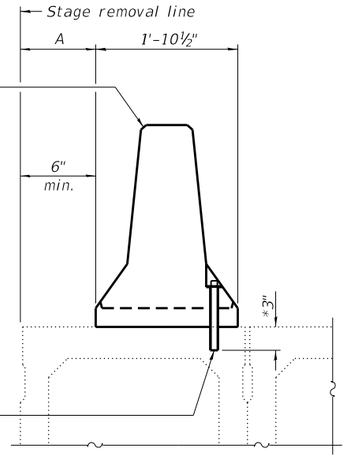
When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM



Drill 3-1¼" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

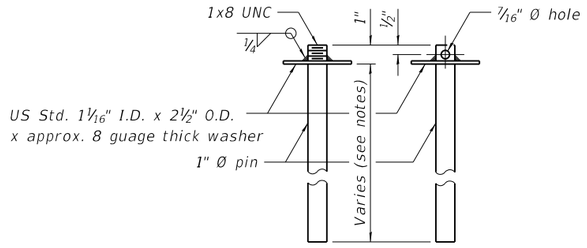
EXISTING SLAB



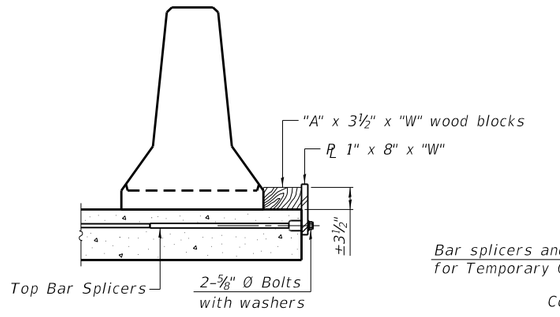
* When hot-mix asphalt wearng surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

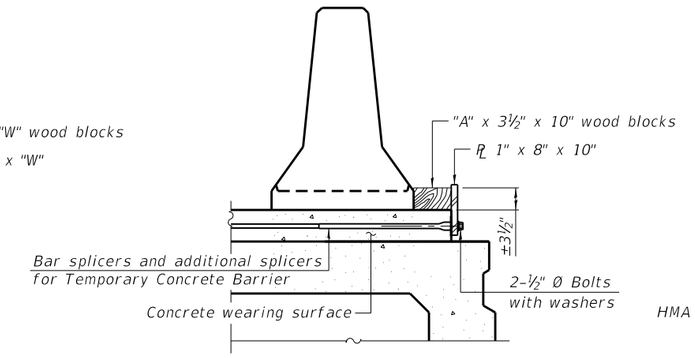
SECTIONS THRU SLAB OR DECK BEAM



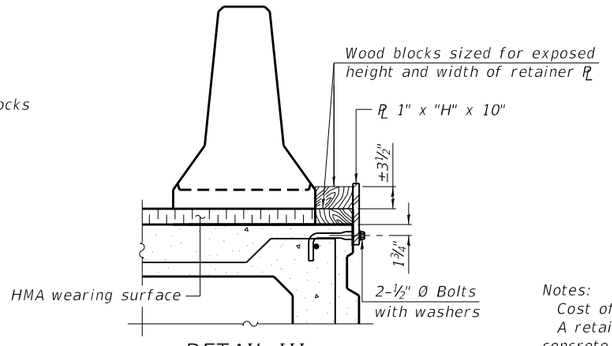
RESTRAINING PIN



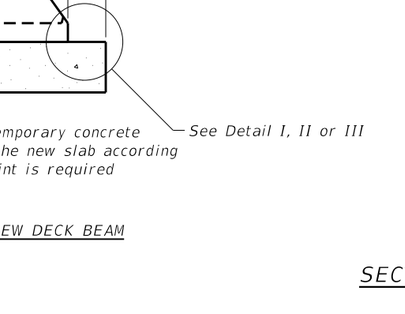
DETAIL I



DETAIL II

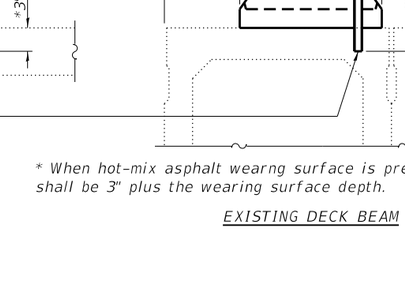


DETAIL III



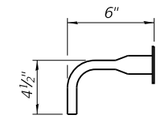
STEEL RETAINER PL 1" x 8" x "W"

(Detail I and II)



STEEL RETAINER PL 1" x "H" x 10"

(Detail III)



BAR SPLICER FOR #4 BAR - DETAIL III

Notes:

Cost of retainer assembly is included with Temporary Concrete Barrier.

A retainer assembly shall be located at the approximate ℄ of each temporary concrete barrier.

The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.

When the 'A' dimension is less than 1½", the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.

Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.

Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

R-27

8-11-2017

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 021-0063
SHEET 5 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	63
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

FILE NAME: pw:\\bfwme-pw.bentley.com:bfwme-pw-01\Documents\BFW\PROJECTS\2018 PROJECTS\18313 - IDOT D5 PTB 186-10 WO #6 IL 130 Bridge\IDOT\CAD_Sheets\005-Temp Conc Barrier.dgn

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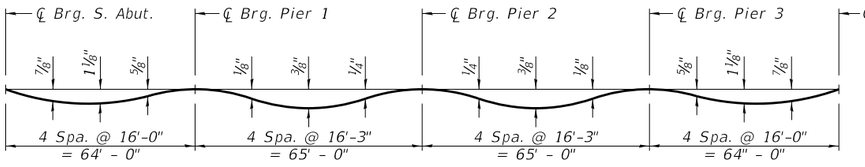
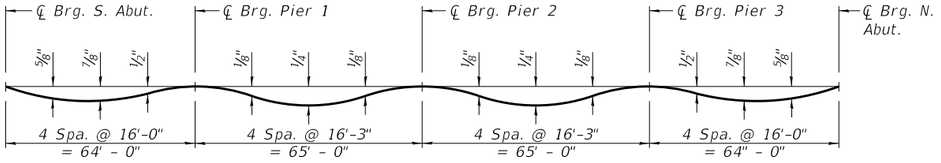


BEAM 1

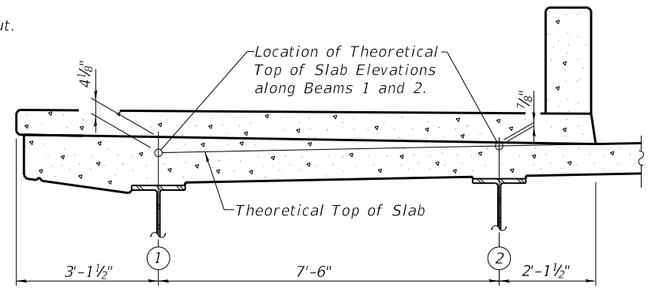


BEAMS 2 - 8

DEAD LOAD DEFLECTION DIAGRAMS

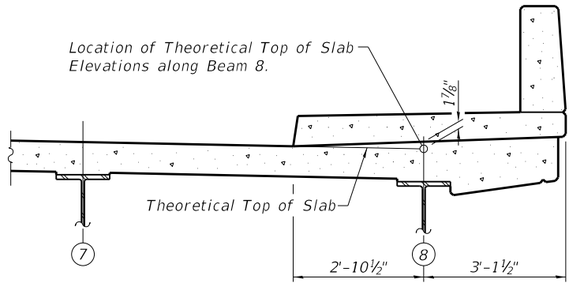
(Includes weight of concrete only.)

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 sheets 7 thru 10 of 38 sheets.



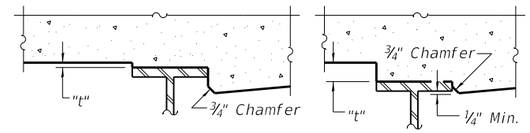
SECTION THRU MULTI-USE PATH

(Looking North)



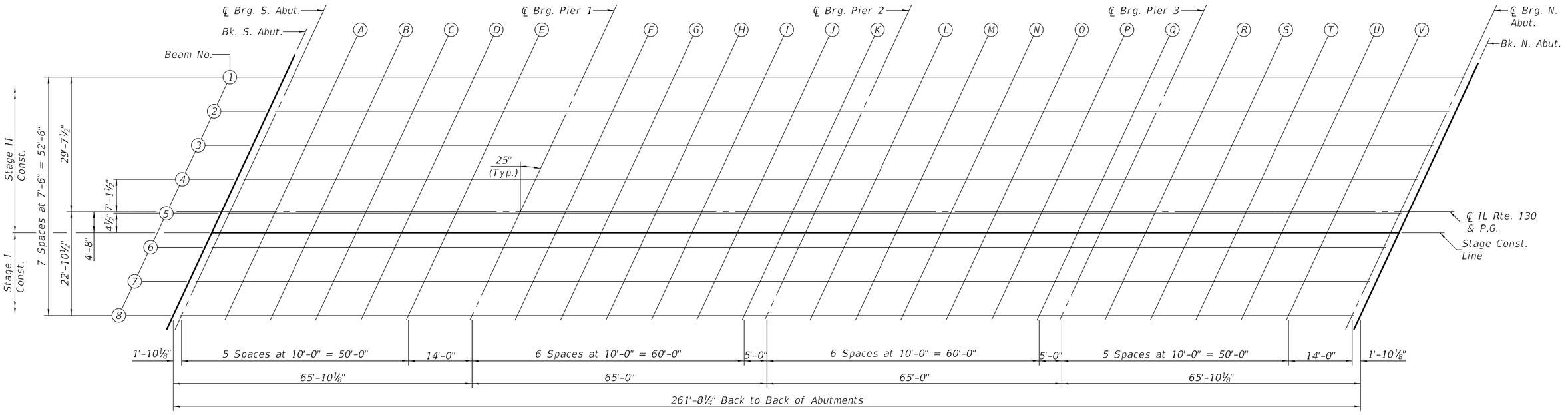
SECTION THRU SIDEWALK

(Looking North)



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown below. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown on sheets 7 thru 10 of 38 sheets, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS



PLAN

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 021-0063
SHEET 6 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	64
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

FILE NAME: pw:\\bfwme-pw.bentley.com:bfwme-pw-01\Documents\BFW\PROJECTS\2018 PROJECTS\18313 - IDOT D5 PTB 186-10 WO #6 IL 130 Bridge\IDOT\CAD_Sheets\006-Top of Slab Elevations.dgn

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BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	271+73.97	-29.63	647.06	647.06
℄ Brg. S. Abut.	271+75.81	-29.63	647.06	647.06
A	271+85.81	-29.63	647.06	647.11
B	271+95.81	-29.63	647.06	647.14
C	272+05.81	-29.63	647.06	647.15
D	272+15.81	-29.63	647.06	647.14
E	272+25.81	-29.63	647.06	647.10
℄ Brg. Pier 1	272+39.81	-29.63	647.06	647.06
F	272+49.81	-29.63	647.06	647.06
G	272+59.81	-29.63	647.06	647.08
H	272+69.81	-29.63	647.06	647.09
I	272+79.81	-29.63	647.06	647.09
J	272+89.81	-29.63	647.06	647.08
K	272+99.81	-29.63	647.06	647.06
℄ Brg. Pier 2	273+04.81	-29.63	647.06	647.06
L	273+14.81	-29.63	647.06	647.07
M	273+24.81	-29.63	647.06	647.08
N	273+34.81	-29.63	647.06	647.09
O	273+44.81	-29.63	647.06	647.08
P	273+54.81	-29.63	647.06	647.07
Q	273+64.81	-29.63	647.06	647.06
℄ Brg. Pier 3	273+69.81	-29.63	647.06	647.06
R	273+79.81	-29.63	647.06	647.09
S	273+89.81	-29.63	647.06	647.12
T	273+99.81	-29.63	647.06	647.15
U	274+09.81	-29.63	647.06	647.15
V	274+19.81	-29.63	647.06	647.13
℄ Brg. N. Abut.	274+33.81	-29.63	647.06	647.06
Bk. N. Abut.	274+35.66	-29.63	647.06	647.06

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	271+70.48	-22.13	647.21	647.21
℄ Brg. S. Abut.	271+72.32	-22.13	647.21	647.21
A	271+82.32	-22.13	647.21	647.25
B	271+92.32	-22.13	647.21	647.27
C	272+02.32	-22.13	647.21	647.28
D	272+12.32	-22.13	647.21	647.27
E	272+22.32	-22.13	647.21	647.24
℄ Brg. Pier 1	272+36.32	-22.13	647.21	647.21
F	272+46.32	-22.13	647.21	647.21
G	272+56.32	-22.13	647.21	647.22
H	272+66.32	-22.13	647.21	647.23
I	272+76.32	-22.13	647.21	647.23
J	272+86.32	-22.13	647.21	647.22
K	272+96.32	-22.13	647.21	647.21
℄ Brg. Pier 2	273+01.32	-22.13	647.21	647.21
L	273+11.32	-22.13	647.21	647.21
M	273+21.32	-22.13	647.21	647.23
N	273+31.32	-22.13	647.21	647.23
O	273+41.32	-22.13	647.21	647.23
P	273+51.32	-22.13	647.21	647.22
Q	273+61.32	-22.13	647.21	647.21
℄ Brg. Pier 3	273+66.32	-22.13	647.21	647.21
R	273+76.32	-22.13	647.21	647.23
S	273+86.32	-22.13	647.21	647.26
T	273+96.32	-22.13	647.21	647.28
U	274+06.32	-22.13	647.21	647.28
V	274+16.32	-22.13	647.21	647.26
℄ Brg. N. Abut.	274+30.32	-22.13	647.21	647.21
Bk. N. Abut.	274+32.17	-22.13	647.21	647.21

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	271+66.98	-14.63	647.36	647.36
℄ Brg. S. Abut.	271+68.82	-14.63	647.36	647.36
A	271+78.82	-14.63	647.36	647.40
B	271+88.82	-14.63	647.36	647.42
C	271+98.82	-14.63	647.36	647.43
D	272+08.82	-14.63	647.36	647.42
E	272+18.82	-14.63	647.36	647.39
℄ Brg. Pier 1	272+32.82	-14.63	647.36	647.36
F	272+42.82	-14.63	647.36	647.36
G	272+52.82	-14.63	647.36	647.37
H	272+62.82	-14.63	647.36	647.38
I	272+72.82	-14.63	647.36	647.38
J	272+82.82	-14.63	647.36	647.37
K	272+92.82	-14.63	647.36	647.36
℄ Brg. Pier 2	272+97.82	-14.63	647.36	647.36
L	273+07.82	-14.63	647.36	647.36
M	273+17.82	-14.63	647.36	647.38
N	273+27.82	-14.63	647.36	647.38
O	273+37.82	-14.63	647.36	647.38
P	273+47.82	-14.63	647.36	647.37
Q	273+57.82	-14.63	647.36	647.36
℄ Brg. Pier 3	273+62.82	-14.63	647.36	647.36
R	273+72.82	-14.63	647.36	647.38
S	273+82.82	-14.63	647.36	647.41
T	273+92.82	-14.63	647.36	647.43
U	274+02.82	-14.63	647.36	647.43
V	274+12.82	-14.63	647.36	647.41
℄ Brg. N. Abut.	274+26.82	-14.63	647.36	647.36
Bk. N. Abut.	274+28.67	-14.63	647.36	647.36

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 021-0063
SHEET 7 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	65
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	271+63.48	-7.13	647.48	647.48
℄ Brg. S. Abut.	271+65.32	-7.13	647.48	647.48
A	271+75.32	-7.13	647.48	647.52
B	271+85.32	-7.13	647.48	647.54
C	271+95.32	-7.13	647.48	647.55
D	272+05.32	-7.13	647.48	647.54
E	272+15.32	-7.13	647.48	647.51
℄ Brg. Pier 1	272+29.32	-7.13	647.48	647.48
F	272+39.32	-7.13	647.48	647.48
G	272+49.32	-7.13	647.48	647.49
H	272+59.32	-7.13	647.48	647.50
I	272+69.32	-7.13	647.48	647.50
J	272+79.32	-7.13	647.48	647.49
K	272+89.32	-7.13	647.48	647.48
℄ Brg. Pier 2	272+94.32	-7.13	647.48	647.48
L	273+04.32	-7.13	647.48	647.48
M	273+14.32	-7.13	647.48	647.50
N	273+24.32	-7.13	647.48	647.50
O	273+34.32	-7.13	647.48	647.50
P	273+44.32	-7.13	647.48	647.49
Q	273+54.32	-7.13	647.48	647.48
℄ Brg. Pier 3	273+59.32	-7.13	647.48	647.48
R	273+69.32	-7.13	647.48	647.50
S	273+79.32	-7.13	647.48	647.53
T	273+89.32	-7.13	647.48	647.55
U	273+99.32	-7.13	647.48	647.55
V	274+09.32	-7.13	647.48	647.53
℄ Brg. N. Abut.	274+23.32	-7.13	647.48	647.48
Bk. N. Abut.	274+25.17	-7.13	647.48	647.48

℄ IL RTE. 130 & P.G.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	271+60.16	0.00	647.59	647.59
℄ Brg. S. Abut.	271+62.00	0.00	647.59	647.59
A	271+72.00	0.00	647.59	647.63
B	271+82.00	0.00	647.59	647.65
C	271+92.00	0.00	647.59	647.66
D	272+02.00	0.00	647.59	647.65
E	272+12.00	0.00	647.59	647.62
℄ Brg. Pier 1	272+26.00	0.00	647.59	647.59
F	272+36.00	0.00	647.59	647.59
G	272+46.00	0.00	647.59	647.60
H	272+56.00	0.00	647.59	647.61
I	272+66.00	0.00	647.59	647.61
J	272+76.00	0.00	647.59	647.60
K	272+86.00	0.00	647.59	647.59
℄ Brg. Pier 2	272+91.00	0.00	647.59	647.59
L	273+01.00	0.00	647.59	647.59
M	273+11.00	0.00	647.59	647.61
N	273+21.00	0.00	647.59	647.61
O	273+31.00	0.00	647.59	647.61
P	273+41.00	0.00	647.59	647.60
Q	273+51.00	0.00	647.59	647.59
℄ Brg. Pier 3	273+56.00	0.00	647.59	647.59
R	273+66.00	0.00	647.59	647.61
S	273+76.00	0.00	647.59	647.64
T	273+86.00	0.00	647.59	647.66
U	273+96.00	0.00	647.59	647.66
V	274+06.00	0.00	647.59	647.64
℄ Brg. N. Abut.	274+20.00	0.00	647.59	647.59
Bk. N. Abut.	274+21.85	0.00	647.59	647.59

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	271+59.99	0.38	647.58	647.58
℄ Brg. S. Abut.	271+61.83	0.38	647.58	647.58
A	271+71.83	0.38	647.58	647.62
B	271+81.83	0.38	647.58	647.64
C	271+91.83	0.38	647.58	647.65
D	272+01.83	0.38	647.58	647.64
E	272+11.83	0.38	647.58	647.61
℄ Brg. Pier 1	272+25.83	0.38	647.58	647.58
F	272+35.83	0.38	647.58	647.58
G	272+45.83	0.38	647.58	647.59
H	272+55.83	0.38	647.58	647.60
I	272+65.83	0.38	647.58	647.60
J	272+75.83	0.38	647.58	647.59
K	272+85.83	0.38	647.58	647.58
℄ Brg. Pier 2	272+90.83	0.38	647.58	647.58
L	273+00.83	0.38	647.58	647.58
M	273+10.83	0.38	647.58	647.60
N	273+20.83	0.38	647.58	647.60
O	273+30.83	0.38	647.58	647.60
P	273+40.83	0.38	647.58	647.59
Q	273+50.83	0.38	647.58	647.58
℄ Brg. Pier 3	273+55.83	0.38	647.58	647.58
R	273+65.83	0.38	647.58	647.60
S	273+75.83	0.38	647.58	647.63
T	273+85.83	0.38	647.58	647.65
U	273+95.83	0.38	647.58	647.65
V	274+05.83	0.38	647.58	647.63
℄ Brg. N. Abut.	274+19.83	0.38	647.58	647.58
Bk. N. Abut.	274+21.68	0.38	647.58	647.58

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 021-0063
SHEET 8 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	66
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

STAGE CONST. LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	271+57.98	4.67	647.52	647.52
℄ Brg. S. Abut.	271+59.82	4.67	647.52	647.52
A	271+69.82	4.67	647.52	647.56
B	271+79.82	4.67	647.52	647.58
C	271+89.82	4.67	647.52	647.59
D	271+99.82	4.67	647.52	647.58
E	272+09.82	4.67	647.52	647.55
℄ Brg. Pier 1	272+23.82	4.67	647.52	647.52
F	272+33.82	4.67	647.52	647.52
G	272+43.82	4.67	647.52	647.53
H	272+53.82	4.67	647.52	647.54
I	272+63.82	4.67	647.52	647.54
J	272+73.82	4.67	647.52	647.53
K	272+83.82	4.67	647.52	647.52
℄ Brg. Pier 2	272+88.82	4.67	647.52	647.52
L	272+98.82	4.67	647.52	647.52
M	273+08.82	4.67	647.52	647.54
N	273+18.82	4.67	647.52	647.54
O	273+28.82	4.67	647.52	647.54
P	273+38.82	4.67	647.52	647.53
Q	273+48.82	4.67	647.52	647.52
℄ Brg. Pier 3	273+53.82	4.67	647.52	647.52
R	273+63.82	4.67	647.52	647.54
S	273+73.82	4.67	647.52	647.57
T	273+83.82	4.67	647.52	647.59
U	273+93.82	4.67	647.52	647.59
V	274+03.82	4.67	647.52	647.57
℄ Brg. N. Abut.	274+17.82	4.67	647.52	647.52
Bk. N. Abut.	274+19.67	4.67	647.52	647.52

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	271+56.49	7.88	647.47	647.47
℄ Brg. S. Abut.	271+58.33	7.88	647.47	647.47
A	271+68.33	7.88	647.47	647.51
B	271+78.33	7.88	647.47	647.53
C	271+88.33	7.88	647.47	647.54
D	271+98.33	7.88	647.47	647.53
E	272+08.33	7.88	647.47	647.50
℄ Brg. Pier 1	272+22.33	7.88	647.47	647.47
F	272+32.33	7.88	647.47	647.47
G	272+42.33	7.88	647.47	647.48
H	272+52.33	7.88	647.47	647.49
I	272+62.33	7.88	647.47	647.49
J	272+72.33	7.88	647.47	647.48
K	272+82.33	7.88	647.47	647.47
℄ Brg. Pier 2	272+87.33	7.88	647.47	647.47
L	272+97.33	7.88	647.47	647.47
M	273+07.33	7.88	647.47	647.49
N	273+17.33	7.88	647.47	647.49
O	273+27.33	7.88	647.47	647.49
P	273+37.33	7.88	647.47	647.48
Q	273+47.33	7.88	647.47	647.47
℄ Brg. Pier 3	273+52.33	7.88	647.47	647.47
R	273+62.33	7.88	647.47	647.49
S	273+72.33	7.88	647.47	647.52
T	273+82.33	7.88	647.47	647.54
U	273+92.33	7.88	647.47	647.54
V	274+02.33	7.88	647.47	647.52
℄ Brg. N. Abut.	274+16.33	7.88	647.47	647.47
Bk. N. Abut.	274+18.18	7.88	647.47	647.47

BEAM 7

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	271+52.99	15.38	647.34	647.34
℄ Brg. S. Abut.	271+54.83	15.38	647.34	647.34
A	271+64.83	15.38	647.34	647.38
B	271+74.83	15.38	647.34	647.40
C	271+84.83	15.38	647.34	647.41
D	271+94.83	15.38	647.34	647.40
E	272+04.83	15.38	647.34	647.37
℄ Brg. Pier 1	272+18.83	15.38	647.34	647.34
F	272+28.83	15.38	647.34	647.34
G	272+38.83	15.38	647.34	647.35
H	272+48.83	15.38	647.34	647.36
I	272+58.83	15.38	647.34	647.36
J	272+68.83	15.38	647.34	647.35
K	272+78.83	15.38	647.34	647.34
℄ Brg. Pier 2	272+83.83	15.38	647.34	647.34
L	272+93.83	15.38	647.34	647.34
M	273+03.83	15.38	647.34	647.36
N	273+13.83	15.38	647.34	647.36
O	273+23.83	15.38	647.34	647.36
P	273+33.83	15.38	647.34	647.35
Q	273+43.83	15.38	647.34	647.34
℄ Brg. Pier 3	273+48.83	15.38	647.34	647.34
R	273+58.83	15.38	647.34	647.36
S	273+68.83	15.38	647.34	647.39
T	273+78.83	15.38	647.34	647.41
U	273+88.83	15.38	647.34	647.41
V	273+98.83	15.38	647.34	647.39
℄ Brg. N. Abut.	274+12.83	15.38	647.34	647.34
Bk. N. Abut.	274+14.68	15.38	647.34	647.34

BEAM 8

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	271+49.49	22.88	647.19	647.19
℄ Brg. S. Abut.	271+51.33	22.88	647.19	647.19
A	271+61.33	22.88	647.19	647.23
B	271+71.33	22.88	647.19	647.25
C	271+81.33	22.88	647.19	647.26
D	271+91.33	22.88	647.19	647.25
E	272+01.33	22.88	647.19	647.22
℄ Brg. Pier 1	272+15.33	22.88	647.19	647.19
F	272+25.33	22.88	647.19	647.19
G	272+35.33	22.88	647.19	647.20
H	272+45.33	22.88	647.19	647.21
I	272+55.33	22.88	647.19	647.21
J	272+65.33	22.88	647.19	647.20
K	272+75.33	22.88	647.19	647.19
℄ Brg. Pier 2	272+80.33	22.88	647.19	647.19
L	272+90.33	22.88	647.19	647.19
M	273+00.33	22.88	647.19	647.21
N	273+10.33	22.88	647.19	647.21
O	273+20.33	22.88	647.19	647.21
P	273+30.33	22.88	647.19	647.20
Q	273+40.33	22.88	647.19	647.19
℄ Brg. Pier 3	273+45.33	22.88	647.19	647.19
R	273+55.33	22.88	647.19	647.21
S	273+65.33	22.88	647.19	647.24
T	273+75.33	22.88	647.19	647.26
U	273+85.33	22.88	647.19	647.26
V	273+95.33	22.88	647.19	647.24
℄ Brg. N. Abut.	274+09.33	22.88	647.19	647.19
Bk. N. Abut.	274+11.18	22.88	647.19	647.19

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DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
STRUCTURE NO. 021-0063
SHEET 10 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	68
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

WEST EDGE OF SHOULDER/INSIDE FACE OF CURB

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr. Slab	271+40.59	-20.00	647.25
A1	271+50.59	-20.00	647.25
A2	271+60.59	-20.00	647.25
N. End of S. Appr. Slab	271+70.59	-20.00	647.25

WEST EDGE OF ROADWAY

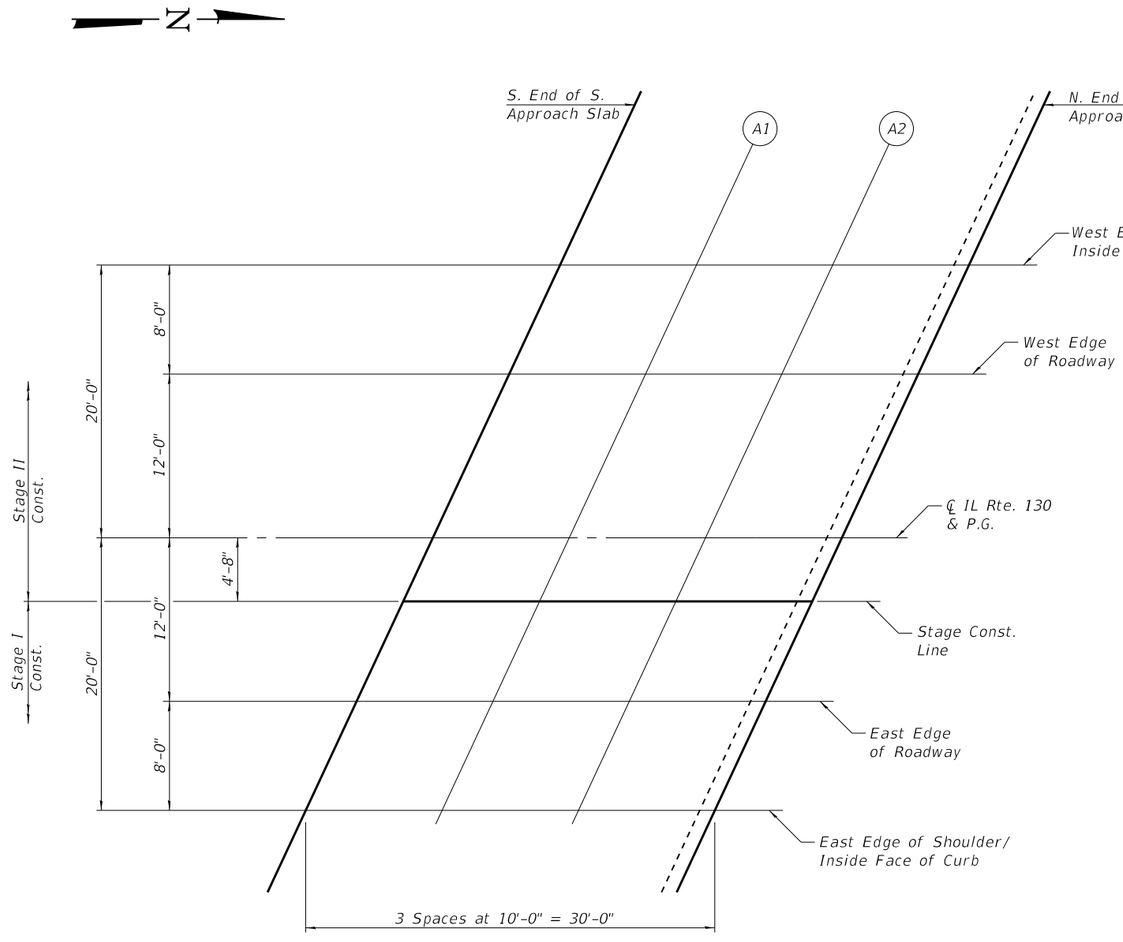
Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr. Slab	271+36.86	-12.00	647.41
A1	271+46.86	-12.00	647.41
A2	271+56.86	-12.00	647.41
N. End of S. Appr. Slab	271+66.86	-12.00	647.41

℄ IL RTE. 130 & P.G.

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr. Slab	271+31.26	0.00	647.59
A1	271+41.26	0.00	647.59
A2	271+51.26	0.00	647.59
N. End of S. Appr. Slab	271+61.26	0.00	647.59

STAGE CONST. LINE

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr. Slab	271+29.08	4.67	647.52
A1	271+39.08	4.67	647.52
A2	271+49.08	4.67	647.52
N. End of S. Appr. Slab	271+59.08	4.67	647.52



PLAN

EAST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr. Slab	271+25.66	12.00	647.41
A1	271+35.66	12.00	647.41
A2	271+45.66	12.00	647.41
N. End of S. Appr. Slab	271+55.66	12.00	647.41

EAST EDGE OF SHOULDER/INSIDE FACE OF CURB

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr. Slab	271+21.93	20.00	647.26
A1	271+31.93	20.00	647.25
A2	271+41.93	20.00	647.25
N. End of S. Appr. Slab	271+51.93	20.00	647.25

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DEPARTMENT OF TRANSPORTATION

TOP OF SOUTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 021-0063
SHEET 11 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	69
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			

WEST EDGE OF SHOULDER/INSIDE FACE OF CURB

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr. Slab	274+30.08	-20.00	647.25
A3	274+40.08	-20.00	647.25
A4	274+50.08	-20.00	647.25
N. End of N. Appr. Slab	274+60.08	-20.00	647.26

WEST EDGE OF ROADWAY

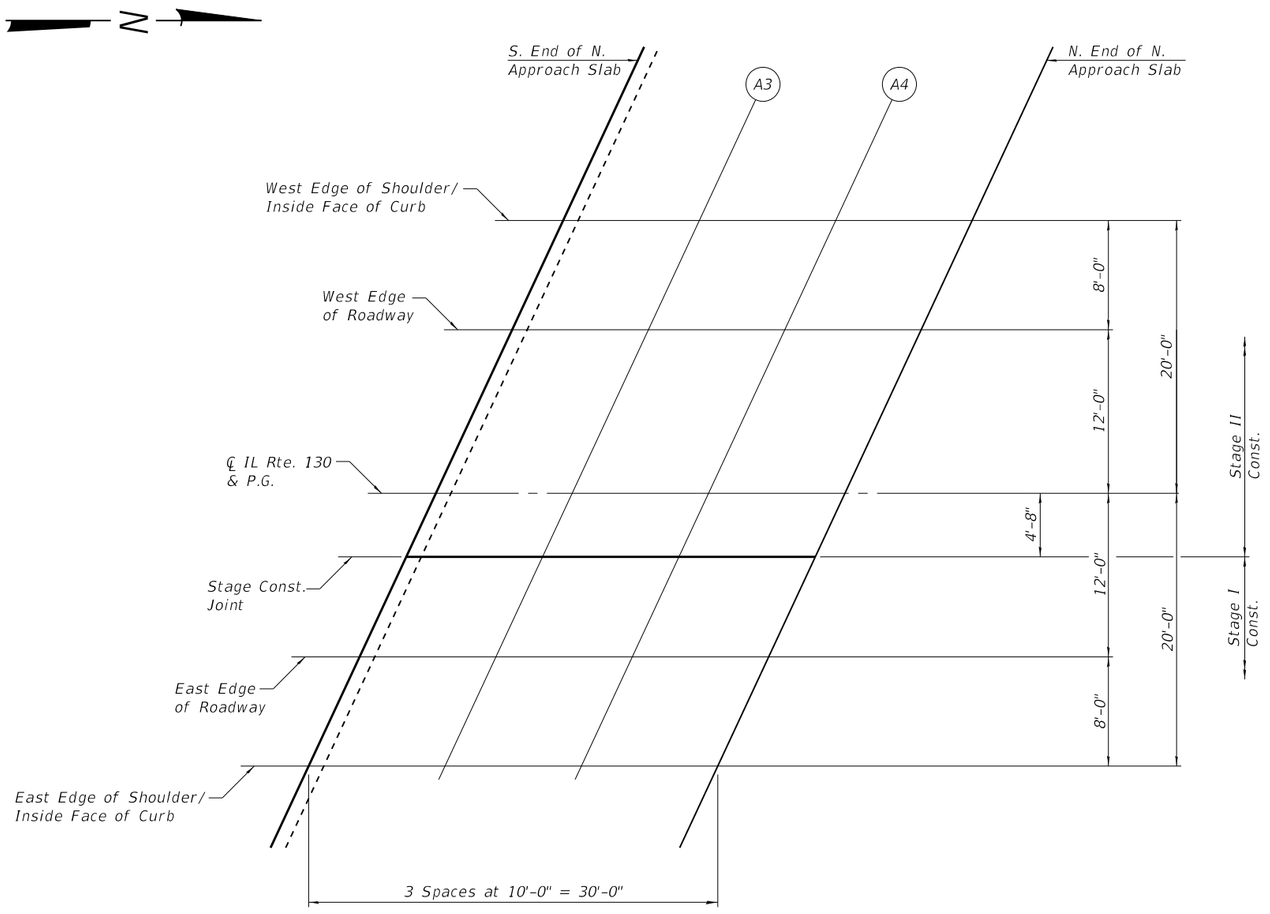
Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr. Slab	274+26.35	-12.00	647.41
A3	274+36.35	-12.00	647.41
A4	274+46.35	-12.00	647.41
N. End of N. Appr. Slab	274+56.35	-12.00	647.42

℄ IL RTE. 130 & P.G.

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr. Slab	274+20.75	0.00	647.59
A3	274+30.75	0.00	647.59
A4	274+40.75	0.00	647.59
N. End of N. Appr. Slab	274+50.75	0.00	647.59

STAGE CONST. JOINT

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr. Slab	274+18.57	4.67	647.52
A3	274+28.57	4.67	647.52
A4	274+38.57	4.67	647.52
N. End of N. Appr. Slab	274+48.57	4.67	647.52



PLAN

EAST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr. Slab	274+15.15	12.00	647.41
A3	274+25.15	12.00	647.41
A4	274+35.15	12.00	647.41
N. End of N. Appr. Slab	274+45.15	12.00	647.41

EAST EDGE OF SHOULDER/INSIDE FACE OF CURB

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr. Slab	274+11.42	20.00	647.25
A3	274+21.42	20.00	647.25
A4	274+31.42	20.00	647.25
N. End of N. Appr. Slab	274+41.42	20.00	647.25

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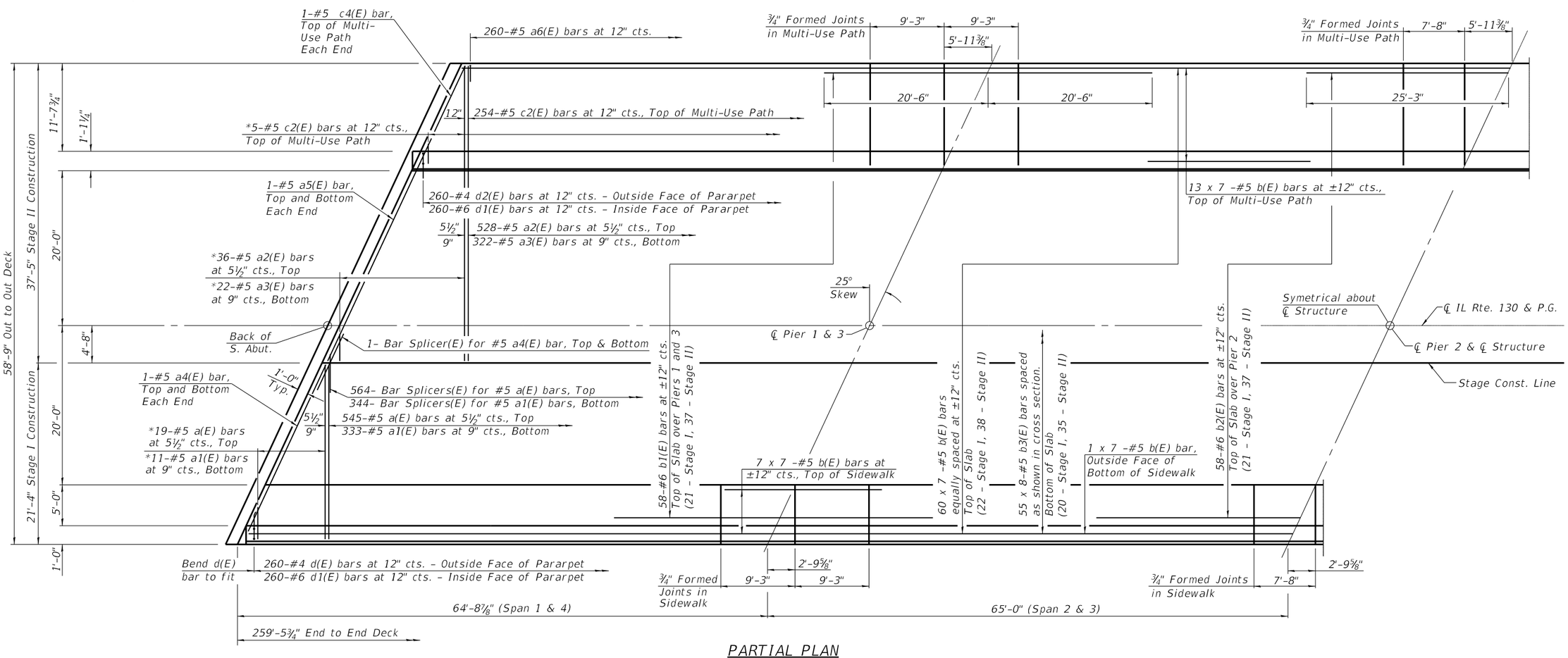
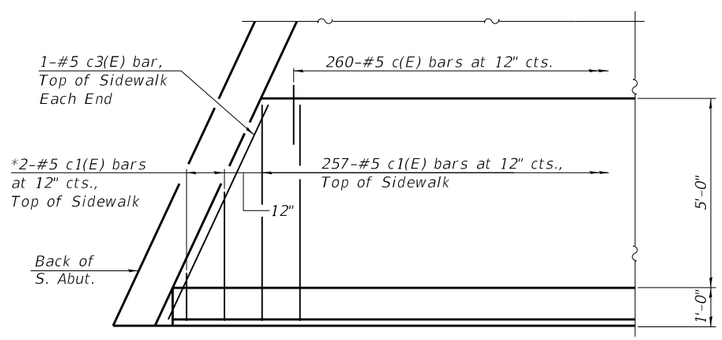
DEPARTMENT OF TRANSPORTATION

TOP OF NORTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 021-0063
SHEET 12 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	70
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		



PARTIAL PLAN



SIDEWALK REINFORCEMENT DETAIL

(Only Transverse Sidewalk Reinforcemnt Shown. See Partial Plan for Longitudinal Reinforcement in Sidewalk.)

MINIMUM BAR LAP

#5 bar = 3'-6"

* Order a(E), a1(E), a2(E), a3(E), c1(E), and c2(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

Notes:

See sheet 14 of 38 for Cross Section of Deck.

See sheet 15 and 16 of 38 for superstructure details and Bill of Material.

Bars indicated thus 59 x 7-#5 etc. indicates 59 lines of bars with 7 lengths per line.

See sheet 34 of 38 for Bar Splicer Details.

See sheet 1 of 38 for Location of Floor Drains.

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SUPERSTRUCTURE
STRUCTURE NO. 021-0063
SHEET 13 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	71
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			

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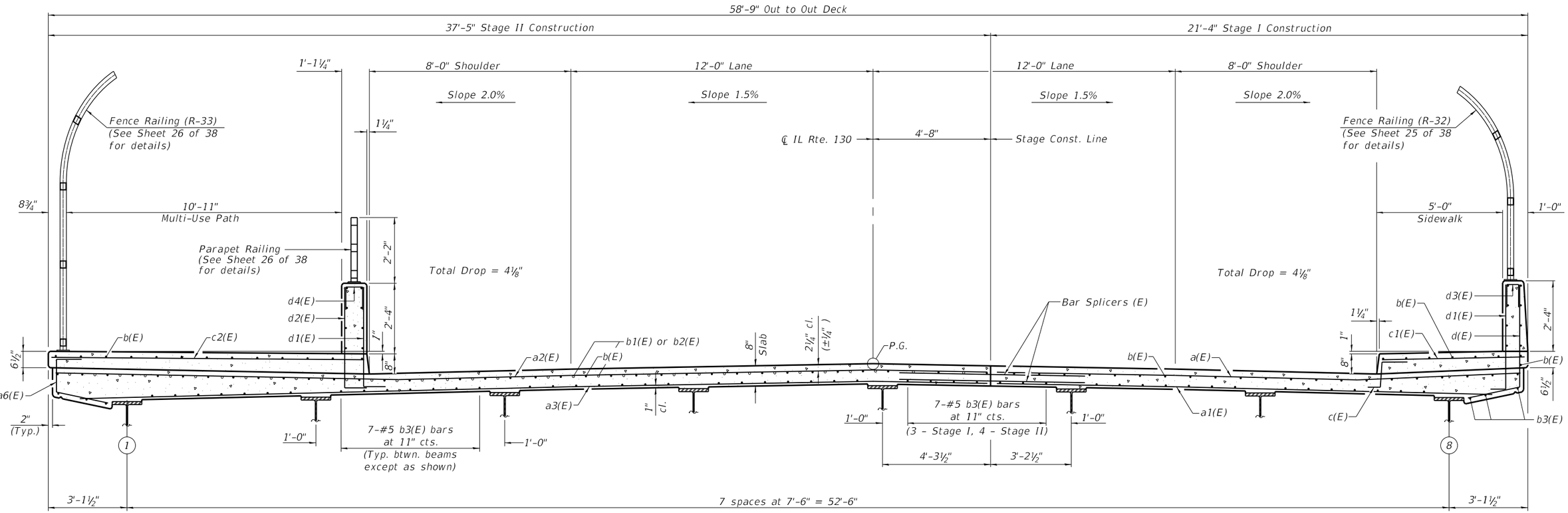

NEAR PIER

NEAR MIDSPAN

CROSS SECTION

(Looking North)

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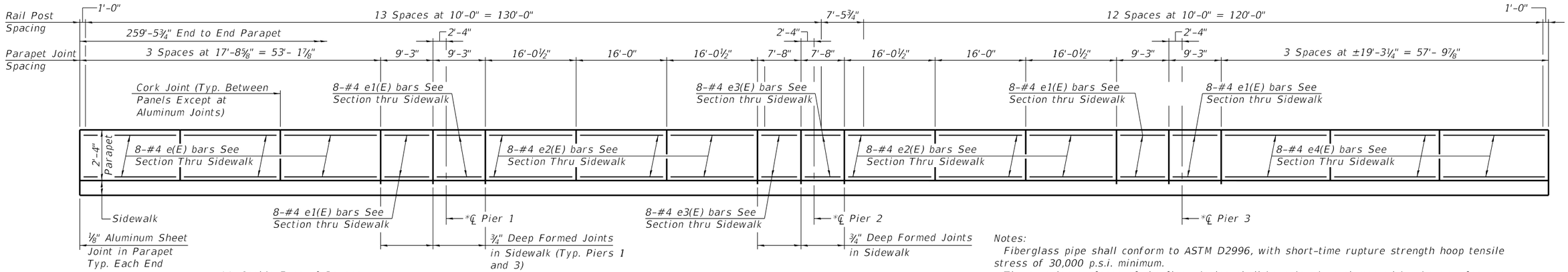
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO. 021-0063
SHEET 14 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	72
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		



INSIDE ELEVATION OF EAST PARAPET

(Looking East)

Notes:

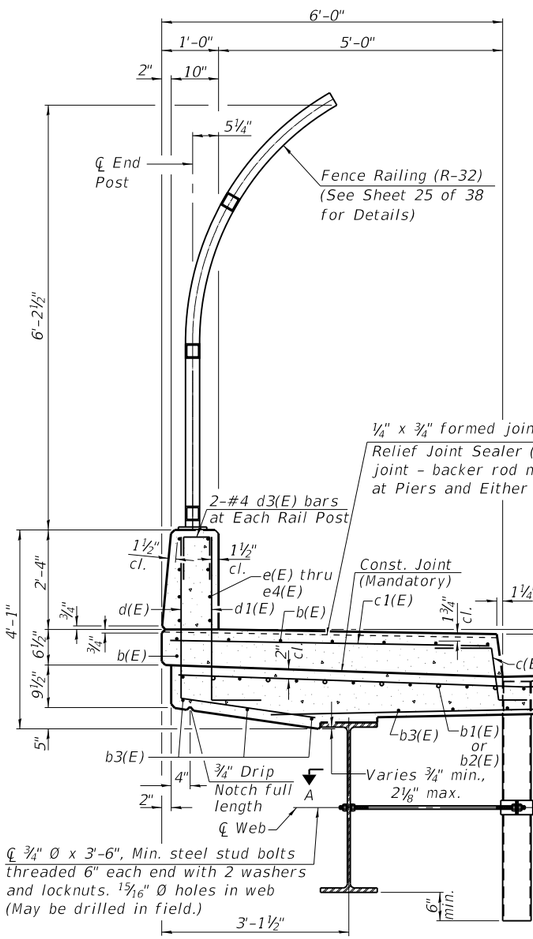
Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.

The exterior surfaces of the floor drains shall be painted or pigmented by the manufactuer with a color that matches the galvanized beams. The exterior surfaces of the drains shall be cleaned according to the Society of Protective Coating's Spec. SSPC-SP1 prior to painting.

The top portion of aluminum floor drains shall be coated to minimize reaction with wet concrete.

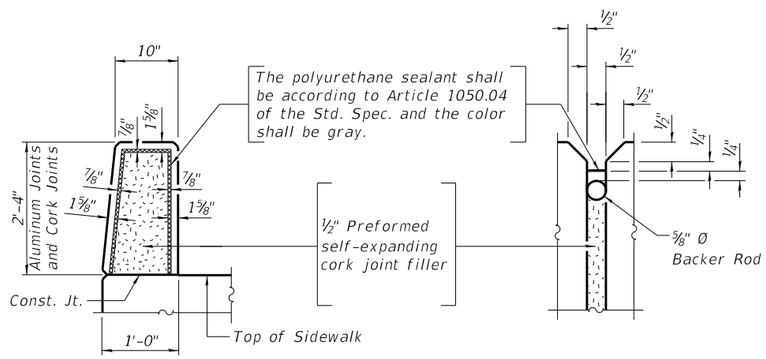
The clamping device shall be galvanized according to AASHTO M 232. Cost of clamping device included with Floor Drains.

The ⅛" Aluminum sheet shall be ASTM B209 alloy 3003-H14 and coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure.



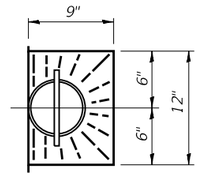
SECTION THRU SIDEWALK

(Looking South)

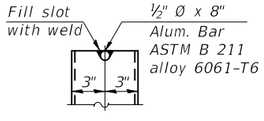


PARAPET JOINT DETAILS

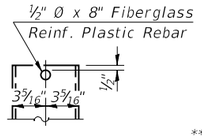
(East Parapet)



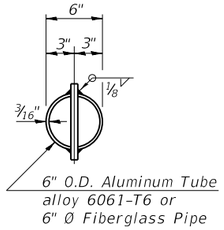
TOP PLAN



ALUMINUM TUBE

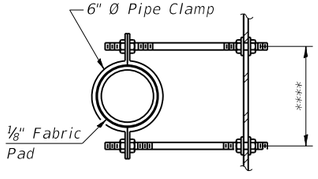


FIBERGLASS PIPE



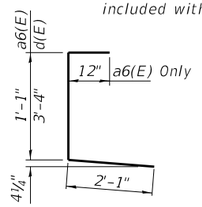
TOP PLAN

(Showing Aluminum Tube)

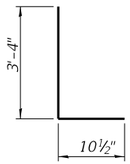


SECTION A-A

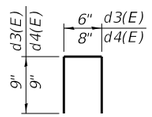
****Dimension as required by Pipe Clamp



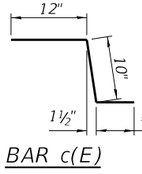
BAR a6(E) & d(E)



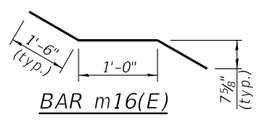
BAR d1(E) & d2(E)



BAR d3(E) & d4(E)



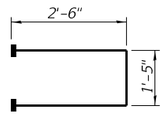
BAR c(E)



BAR m16(E)

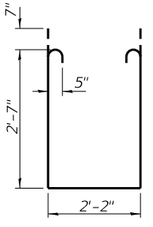
***In lieu of bottom leg, c(E) bars may be drilled and set according to Article 509.06 of the Standard Specifications. Drilled holes shall be roughened or scored per manufacturer's recommendations. Maximum depth of drilled hole shall not exceed 6".

The Contractor shall take all necessary precations to prevent drilled hole interference with deck reinforcement. Locate longitudinal bars to miss drilled locations. Locate drilled holes to miss transverse bars in deck.



BAR s10(E)

(**Headed)



BAR s11(E)

**Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	564	#5	20'-9"	
a1(E)	344	#5	19'-8"	
a2(E)	564	#5	37'-0"	
a3(E)	344	#5	36'-0"	
a4(E)	4	#5	22'-11"	
a5(E)	4	#5	40'-10"	
a6(E)	260	#5	4'-2"	
b(E)	567	#5	40'-0"	
b1(E)	116	#6	41'-0"	
b2(E)	58	#6	50'-6"	
b3(E)	440	#5	35'-6"	
c(E)	260	#5	2'-4"	
c1(E)	259	#5	5'-8"	
c2(E)	259	#5	12'-5"	
c3(E)	2	#5	6'-3"	
c4(E)	2	#5	13'-8"	
d(E)	260	#4	5'-5"	
d1(E)	520	#6	4'-3"	
d2(E)	260	#4	4'-3"	
d3(E)	54	#4	2'-0"	
d4(E)	54	#4	2'-2"	
e(E)	24	#4	17'-4"	
e1(E)	64	#4	8'-11"	
e2(E)	96	#4	15'-8"	
e3(E)	32	#4	7'-4"	
e4(E)	24	#4	18'-11"	
e5(E)	48	#4	18'-2"	
m10(E)	8	#6	23'-2"	
m11(E)	8	#6	40'-11"	
m12(E)	36	#6	7'-10"	
m13(E)	6	#6	3'-3"	
m14(E)	6	#6	4'-5"	
m15(E)	12	#6	3'-2"	
m16(E)	48	#5	4'-0"	
s10(E)	110	#5	6'-5"	
s11(E)	110	#5	9'-10"	
Reinforcement Bars, Epoxy Coated			Lbs.	123,630
Concrete Superstructure			Cu. Yds.	612.9

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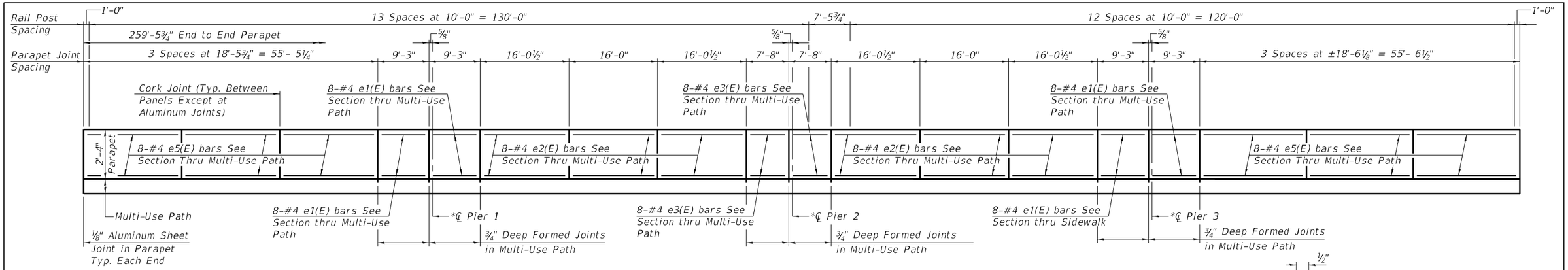
SUPERSTRUCTURE DETAILS
STRUCTURE NO. 021-0063
SHEET 15 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	73
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			

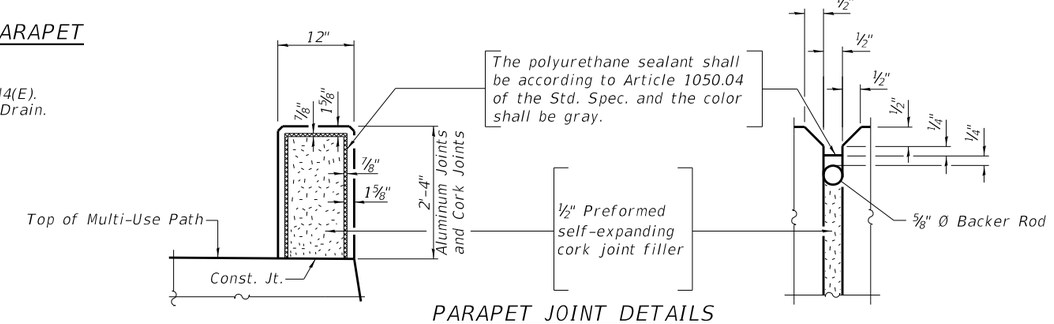


*At Inside Face of Parapet

INSIDE ELEVATION OF WEST PARAPET

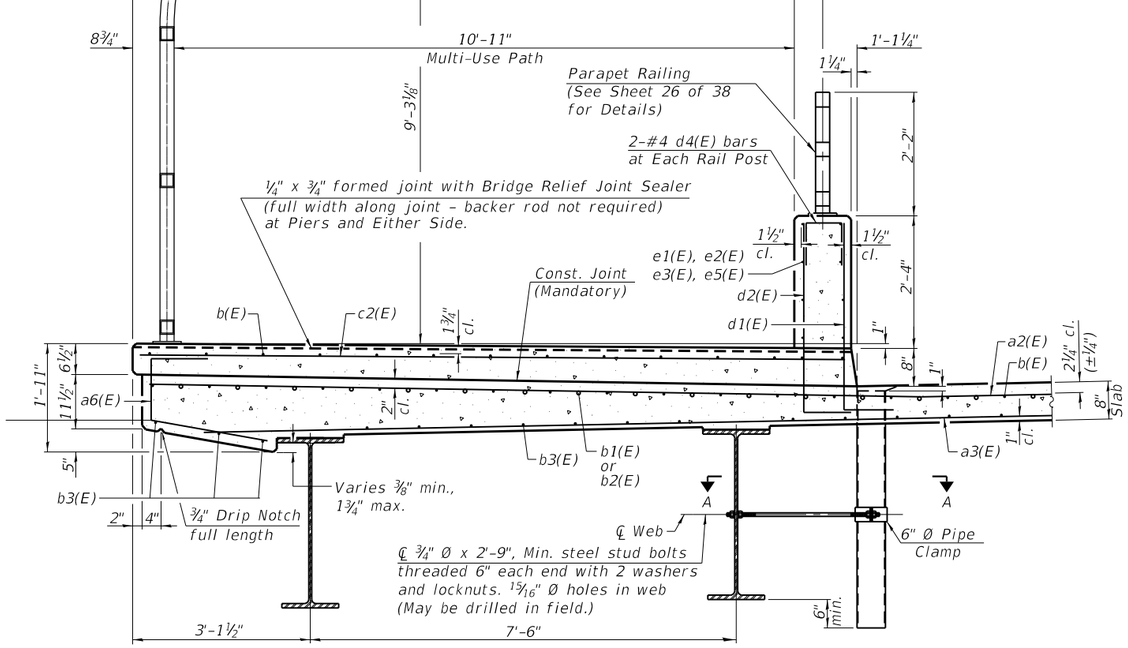
(Looking West)

Notes:
See sheet 15 of 38 for Superstructure Bill of Material.
See sheet 15 of 38 for Details of bars d1(E), d2(E) and d4(E).
See sheet 15 of 38 for Section A-A and Details of Floor Drain.



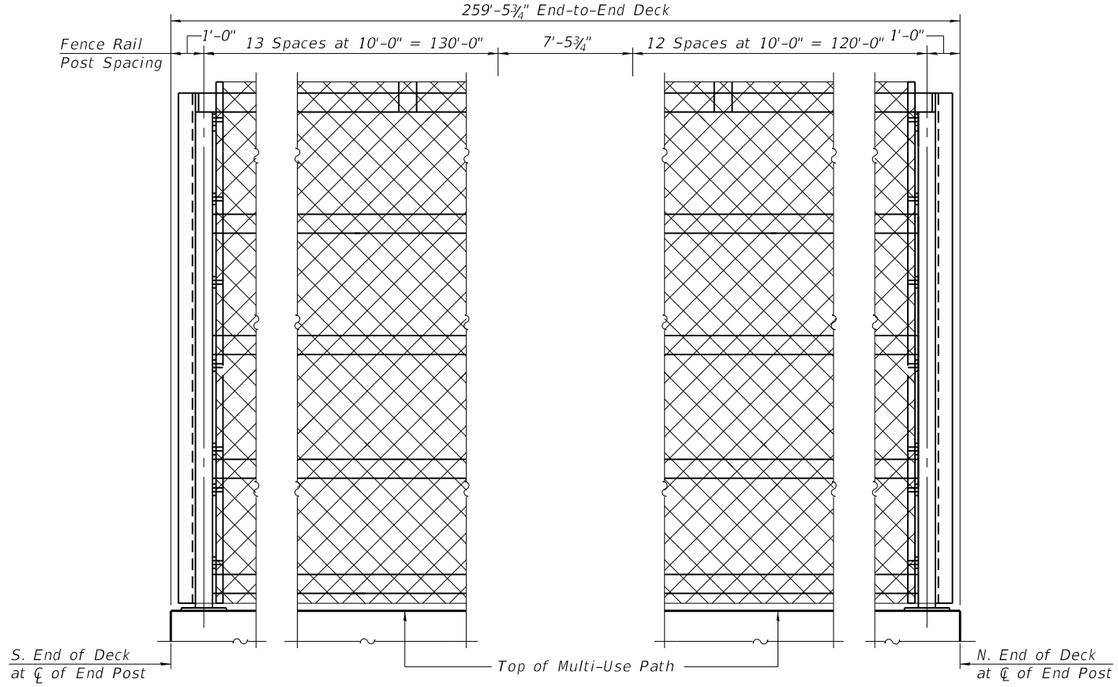
PARAPET JOINT DETAILS

(West Parapet)



SECTION THRU MULTI-USE PATH

(Looking North)



INSIDE ELEVATION OF FENCE RAILING (R-33)

(Looking West)

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STATE OF ILLINOIS
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SUPERSTRUCTURE DETAILS
STRUCTURE NO. 021-0063
SHEET 16 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	74
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

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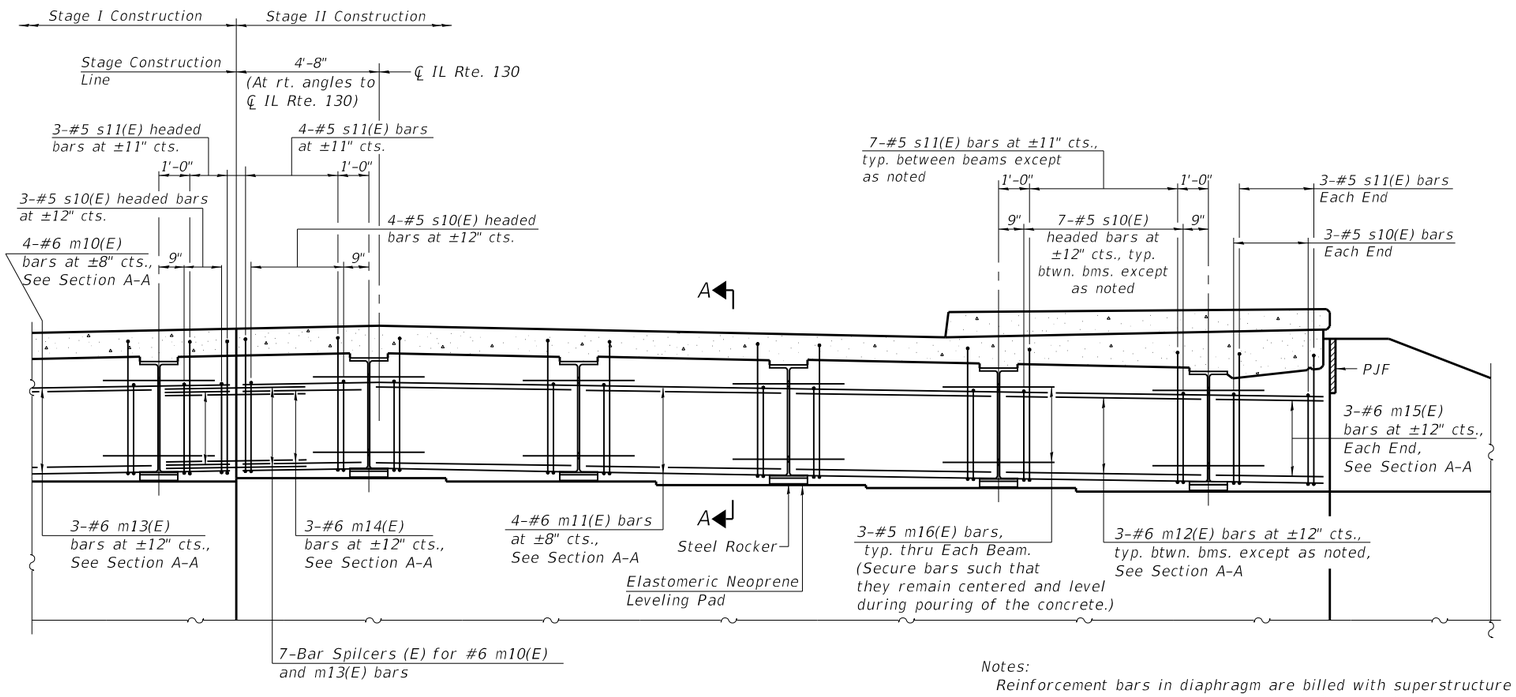
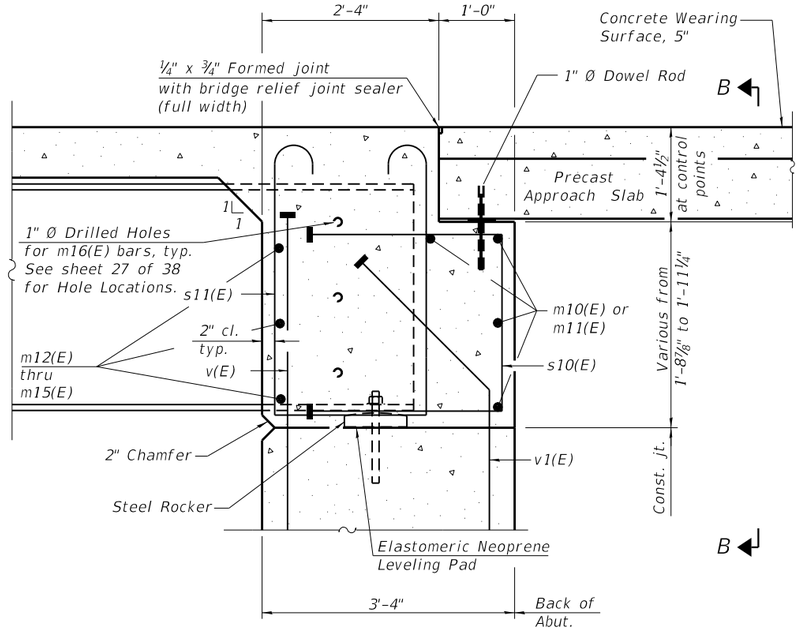


DIAPHRAGM AT ABUTMENT

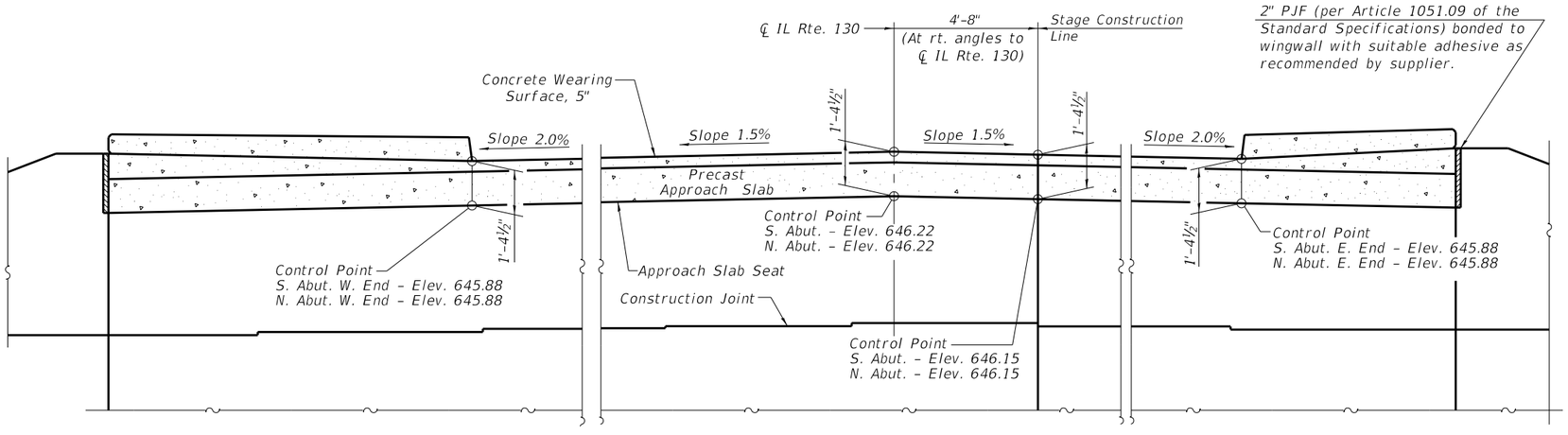
(Looking South at South Abutment – North Abutment Similar)
(Parapet and Railing not shown for clarity.)



SECTION A-A

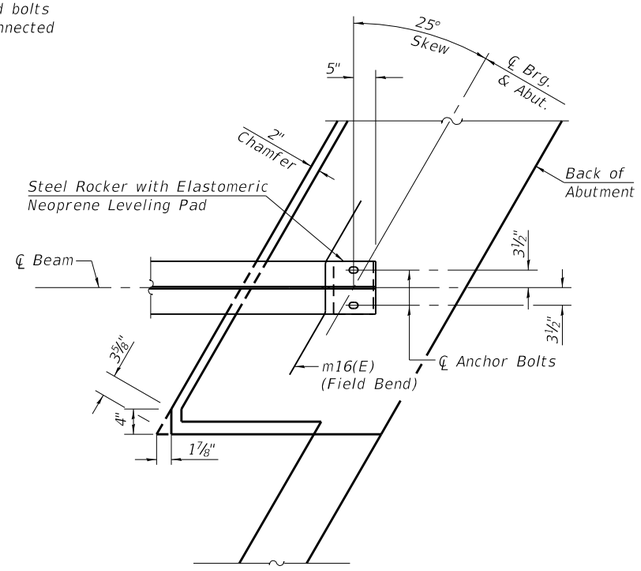
(at Rt. ℄'s)

Notes:
Reinforcement bars in diaphragm are billed with superstructure on sheet 15 of 38.
Concrete in diaphragm is included with Concrete Superstructure on sheet 15 of 38.
For details of bars s10(E) and s11(E) see sheet 15 of 38.
The s10(E) and s11(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.
The approach slab seat shall have a constant slope determined from the control points shown.
For bearing details see sheet 29 of 38.
All diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual diaphragms at supports may be temporarily disconnected to install bearing anchor rods.



SECTION B-B

(Parapets and Railings not shown for clarity.)



PLAN AT ABUTMENT

(Showing bottom flange of beam)

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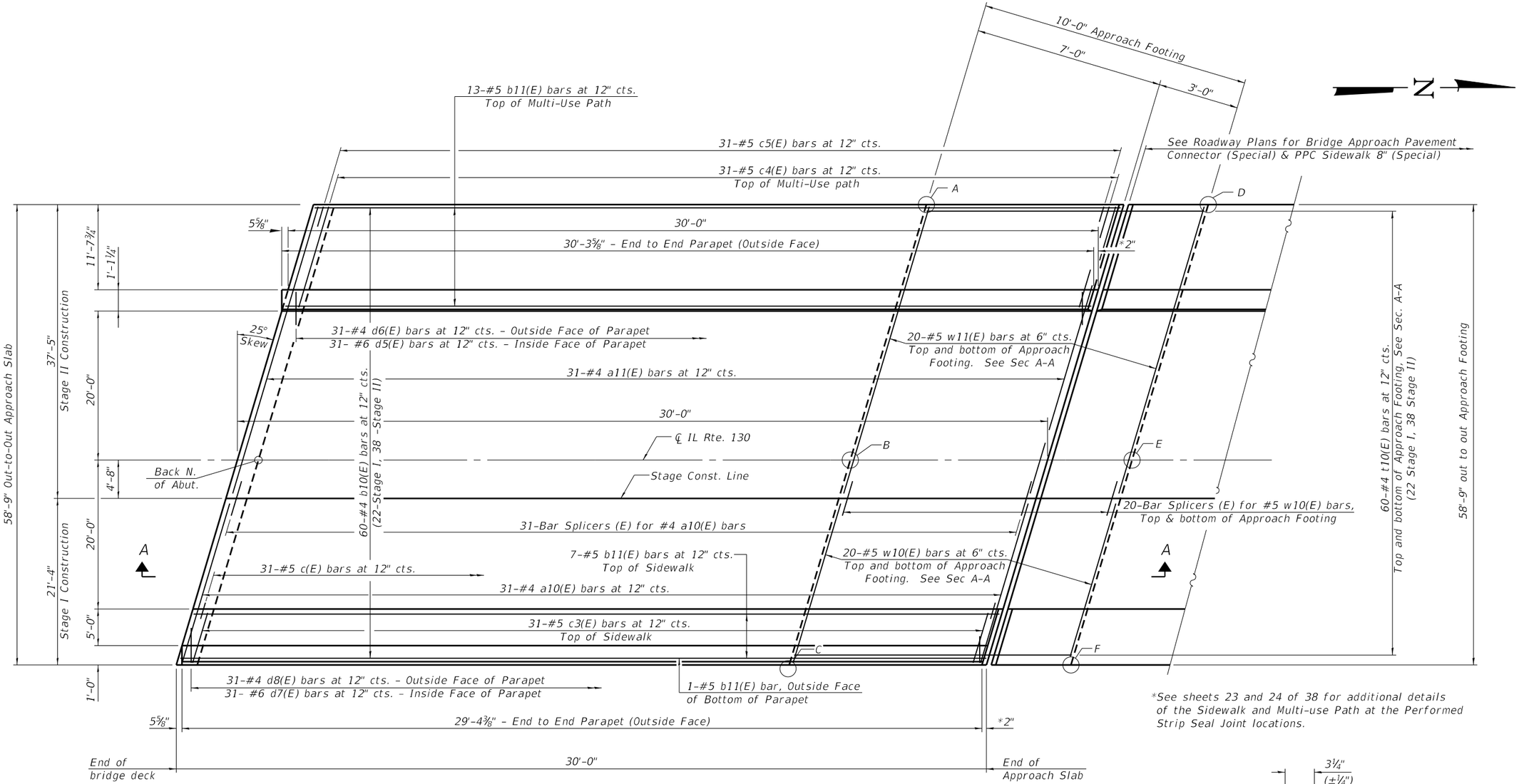
DIAPHRAGM DETAILS
STRUCTURE NO. 021-0063
SHEET 17 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	75
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		



*See sheets 23 and 24 of 38 for additional details of the Sidewalk and Multi-use Path at the Performed Strip Seal Joint locations.

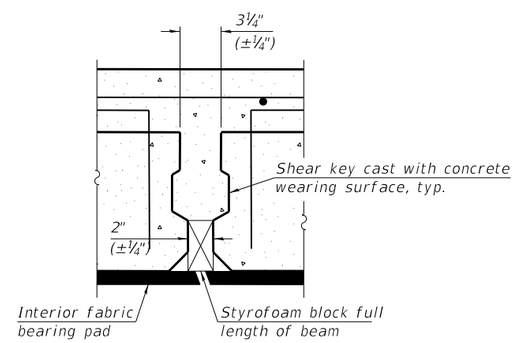
PLAN - NORTH APPROACH

(South Approach Similar by Mirror Image Except as Noted)

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

	South Approach		North Approach	
Point	Top	Bottom	Top	Bottom
A	645.66	644.83	645.66	644.83
B	646.22	645.38	646.22	645.38
C	645.77	644.94	645.77	644.94
D	645.66	644.83	645.66	644.83
E	646.22	645.38	646.22	645.38
F	645.77	644.94	645.77	644.94

Note:
Parapet lengths and reinforcement for the South Approach differ from the North Aprroach parapets shown above. For South Approach parapet details, including call outs for d5(E), d6(E), d7(E), and d8(E) bars, see Inside Elevation of Parapet details on Sheet 21 of 38.



DETAIL 'A'

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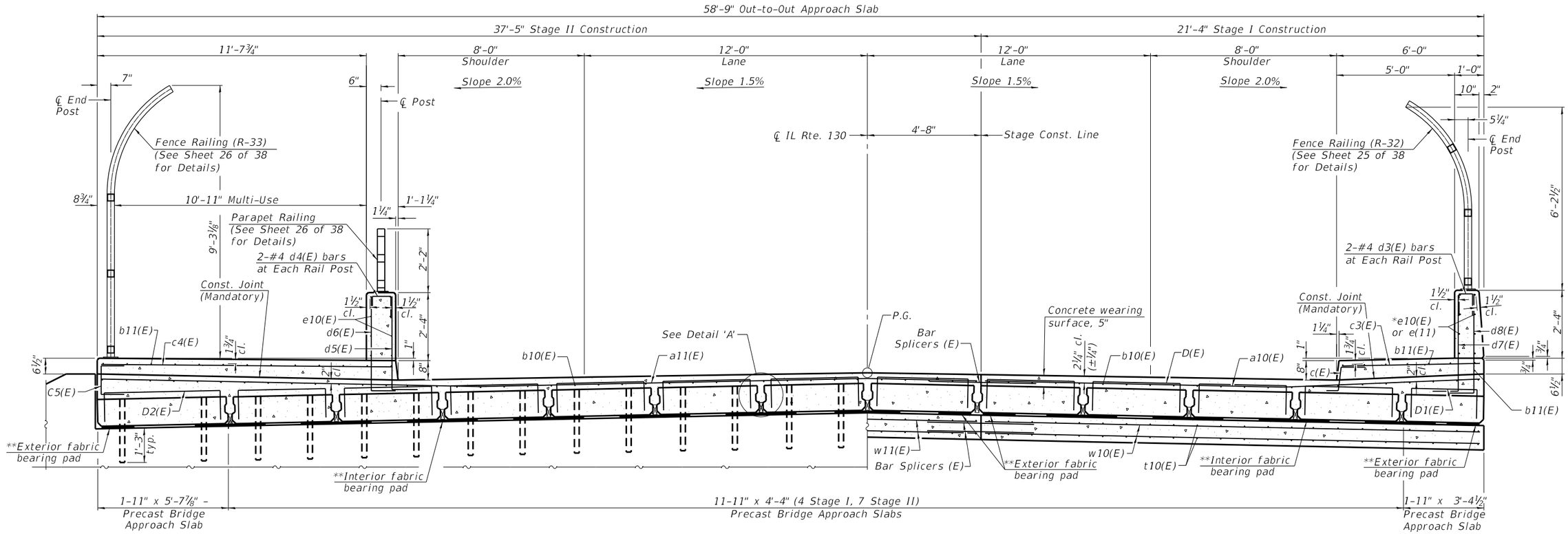
PRECAST BRIDGE APPROACH SLAB
STRUCTURE NO. 021-0063
SHEET 18 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	76
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

*Bars designation e11(E) are required for the East Parapet – South Approach Only. See Sheet 21 of 38 for additional parapet details.
**Fabric bearing pads at the expansion end shall be recessed ¼" into the approach footing and bonded. Adjusting shims, when required, shall be bonded to the top of the fabric bearing pads.



NEAR ABUTMENT — AT APPROACH FOOTING

(Beams: 36" min. width; 72" max. width)

CROSS SECTION – NORTH APPROACH

(Looking North)

Note:
See sheet 18 of 38 for Detail 'A'.

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		CHECKED - CMV	REVISED -			808	(12B-15D)BR	DOUGLAS	120	77
	PLOT SCALE =	DRAWN - BJV	REVISED -					CONTRACT NO. 70545		
	PLOT DATE =	CHECKED - GBR	REVISED -		SHEET 19 OF 38 SHEETS			ILLINOIS FED. AID PROJECT		

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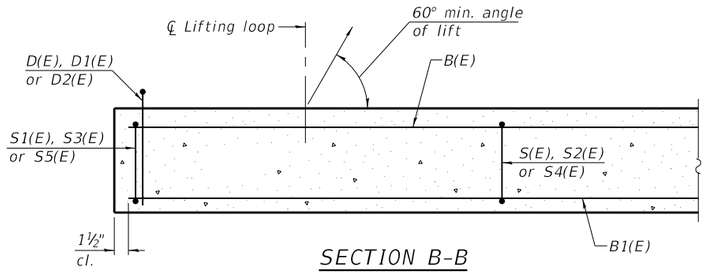
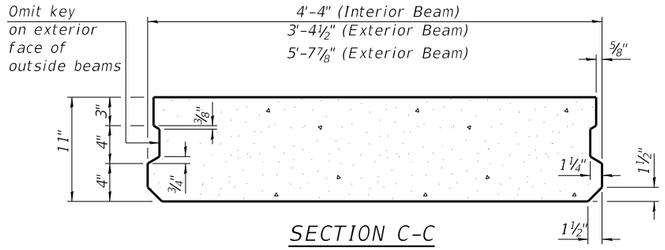
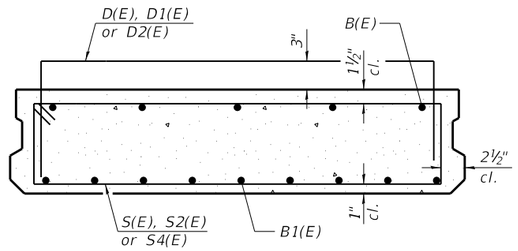


SECTION B-B



SECTION C-C
(Showing dimensions)



SECTION C-C
(Showing reinforcement)

Notes:

The precast bridge approach slab shall be according to Section 504 of the Standard Specifications and shall be paid for at the contract unit price per square foot for Precast Bridge Approach Slab.

Cast-in-place substitution of Precast Bridge Approach Slab is not allowed.

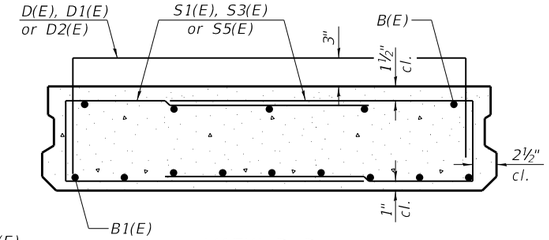
The top surface of precast bridge approach slabs shall be finished similar to precast prestressed deck beams with concrete wearing surface as specified in the IDOT "Manual for Fabrication of Precast Prestressed Concrete Products."

Two ⅛" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location. Cost included with Precast Bridge Approach Slab.

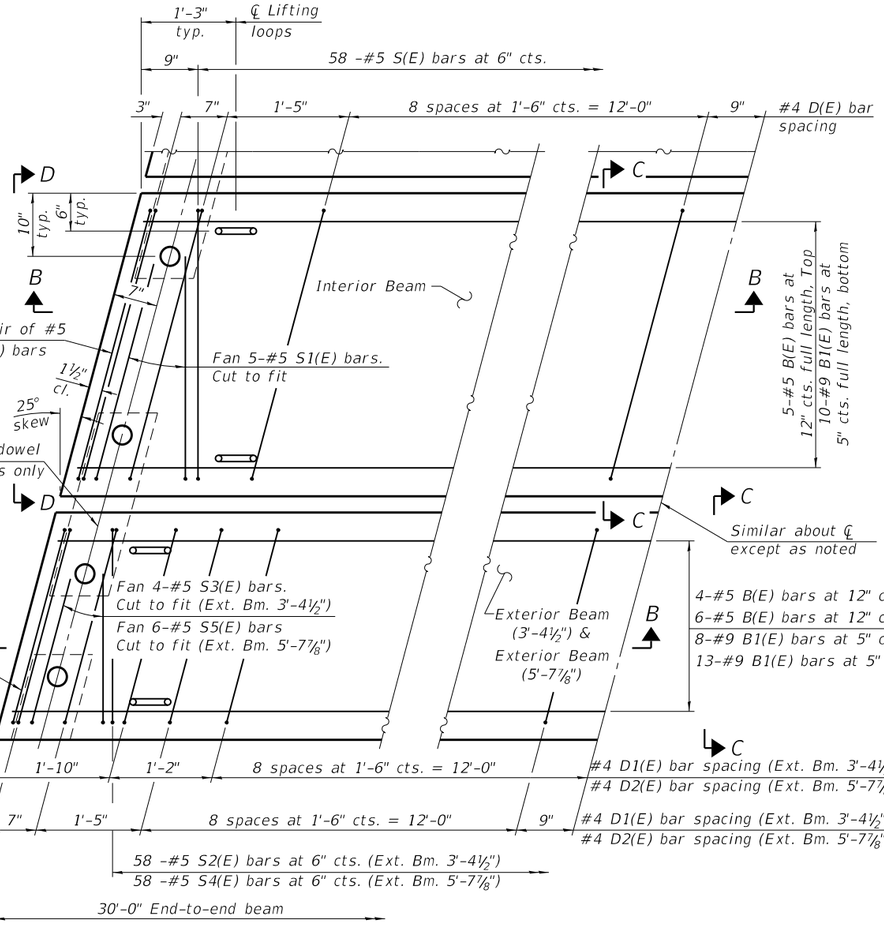
A minimum 2 ½" Ø lifting pins shall be used to engage the lifting loops during handling.

Compressive strength of precast concrete, f'c shall be 6,000 psi.

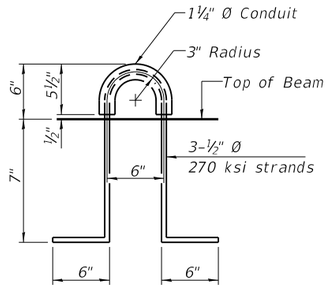
Compressive strength of precast concrete during initial lifting, f'ci shall be 5,000 psi.



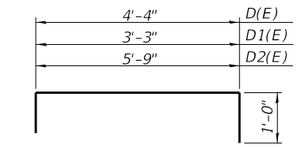
VIEW D-D
(Showing reinforcement)



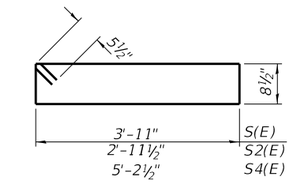
PLAN VIEW
(showing precast bridge approach beams)
(Spacing of D(E), D1(E) and D2(E) bars may be adjusted up to 3" to miss the dowel rod holes and the lifting loops at the beam ends)



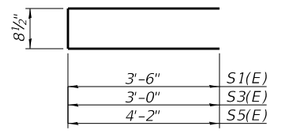
LIFTING LOOP DETAIL
(An alternate lifting loop with a proof load of 25,000 lbs. and utilized according to the manufacturer's recommendations may be used)



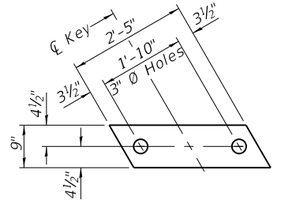
BARS D(E), D1(E) & D2(E)



BARS S(E), S2(E) & S4(E)



BARS S1(E), S3(E) & S5(E)



INTERIOR EXTERIOR

FABRIC BEARING PAD

Notes:

Bearing pads at fixed end shall be ½" thick and bearing pads at expansion end shall be ¾" thick.

Omit holes for fabric bearing pads at approach slab footing end of beams.

BAR LIST
EXTERIOR BEAM (5'-7⅞")
(For information only)

Bar	No.	Size	Length	Shape
B(E)	6	#5	29'-8"	—
B1(E)	13	#9	29'-8"	—
D2(E)	32	#4	7'-9"	⌐ ¬
S4(E)	58	#5	12'-9"	⌐ ▭
S5(E)	16	#5	9'-1"	⌐ ▭

BAR LIST
EACH INTERIOR BEAM
(For information only)

Bar	No.	Size	Length	Shape
B(E)	5	#5	29'-8"	—
B1(E)	10	#9	29'-8"	—
D(E)	22	#4	6'-4"	⌐ ¬
S(E)	58	#5	10'-2"	⌐ ▭
S1(E)	14	#5	7'-9"	⌐ ▭

BAR LIST
EXTERIOR BEAM (3'-4½")
(For information only)

Bar	No.	Size	Length	Shape
B(E)	4	#5	29'-8"	—
B1(E)	8	#9	29'-8"	—
D1(E)	32	#4	5'-3"	⌐ ¬
S2(E)	58	#5	8'-3"	⌐ ▭
S3(E)	12	#5	6'-9"	⌐ ▭

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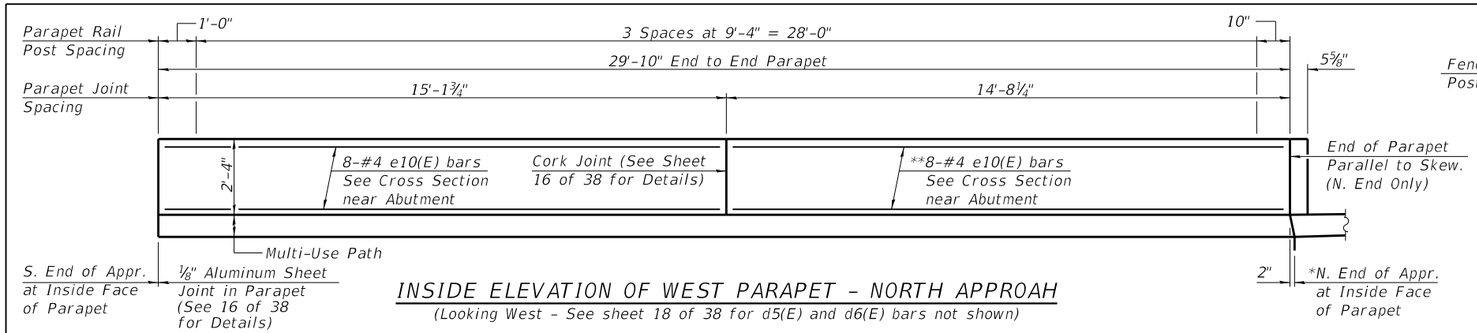
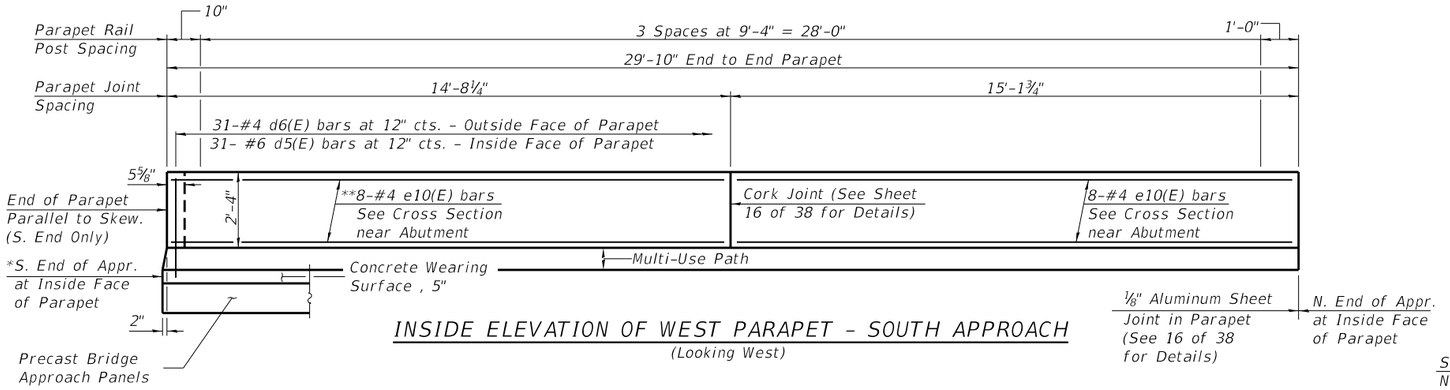
PRECAST BRIDGE APPROACH SLAB
STRUCTURE NO. 021-0063
SHEET 20 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	78
		CONTRACT NO. 70545		
		ILLINOIS	FED. AID PROJECT	



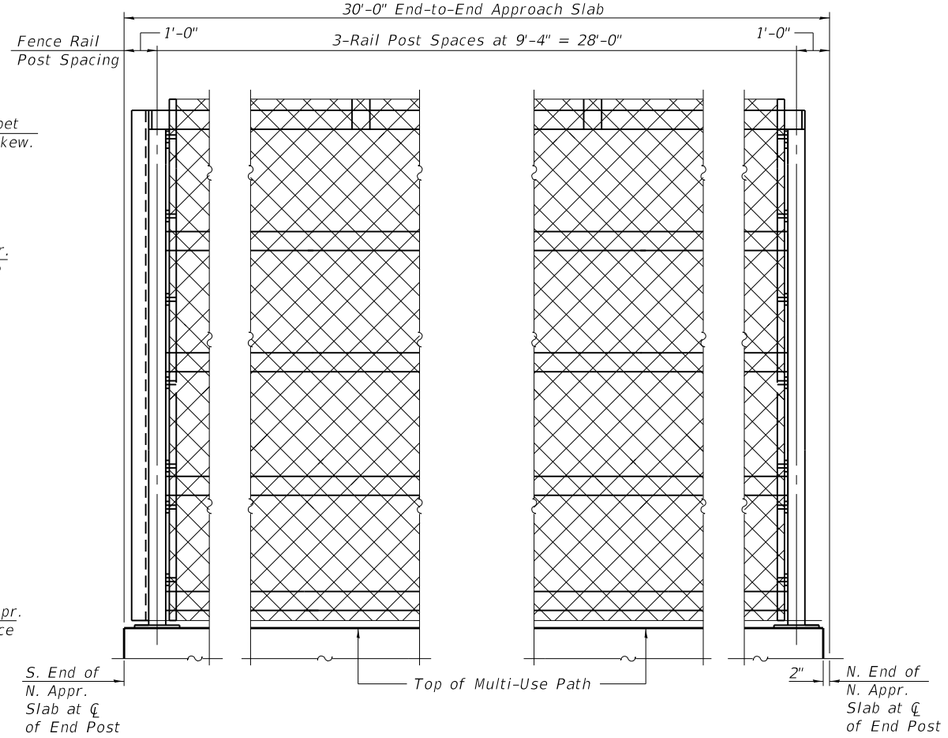
INSIDE ELEVATION OF WEST PARAPET - NORTH APPROAH

(Looking West - See sheet 18 of 38 for d5(E) and d6(E) bars not shown)



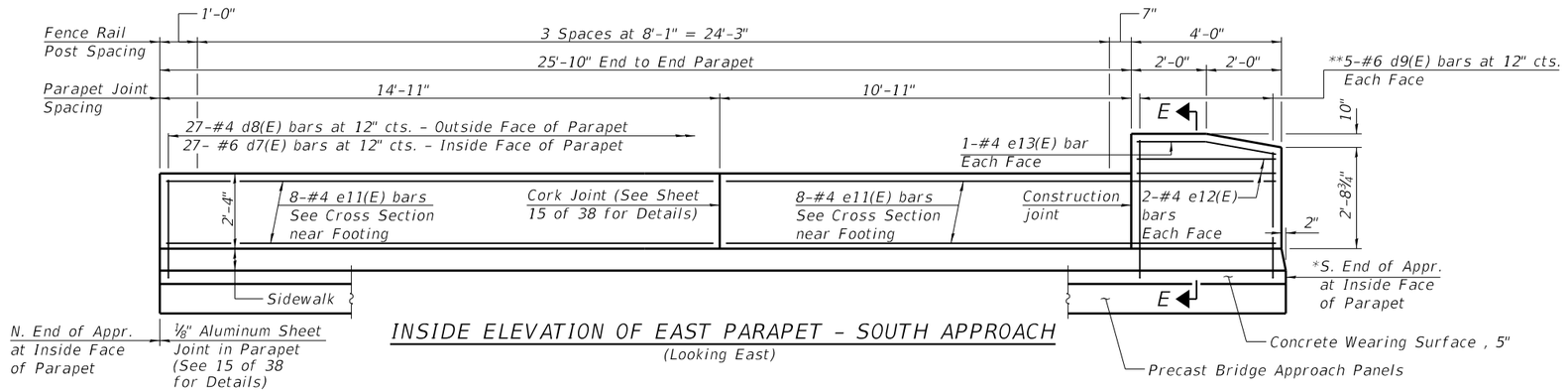
INSIDE ELEVATION OF WEST PARAPET - SOUTH APPROACH

(Looking West)



INSIDE ELEVATION OF FENCE RAILING (R-33) - NORTH APPROACH

(Looking West - South Approach Similar)



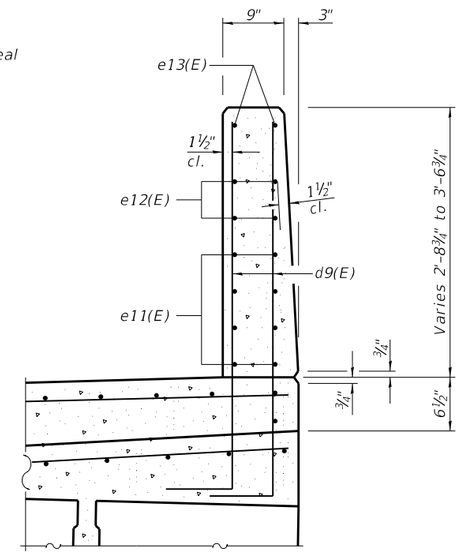
INSIDE ELEVATION OF EAST PARAPET - NORTH APPROACH

(Looking East - See sheet 18 of 38 for d7(E) and d8(E) bars not shown)

INSIDE ELEVATION OF EAST PARAPET - SOUTH APPROACH

(Looking East)

*See Sheets 23 and 24 of 38 for Preformed Joint Strip Seal Details.
**Cut bars in field to fit as required.



SECTION E-E

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PLOT DATE =	CHECKED - GBR	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PRECAST BRIDGE APPROACH SLAB
STRUCTURE NO. 021-0063
SHEET 21 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	79
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			

Notes:

The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.

After precast bridge approach slabs have been erected, holes shall be drilled into abutment and anchor dowels placed. Dowel holes shall be filled with non-shrink grout to top of precast slab and cured according to Article 1020.13(a)(3) or 1020.13(a)(5) of the Standard Specifications for a minimum of 24 hours before casting the shear keys and wearing surface.

Any concrete poured monolithically with the wearing surface, such as curbs, shall not be paid for separately, but will be included in the cost of Concrete Wearing Surface, 5".

The strip seal shall extend 6" beyond the edge of the approach slab on each end.

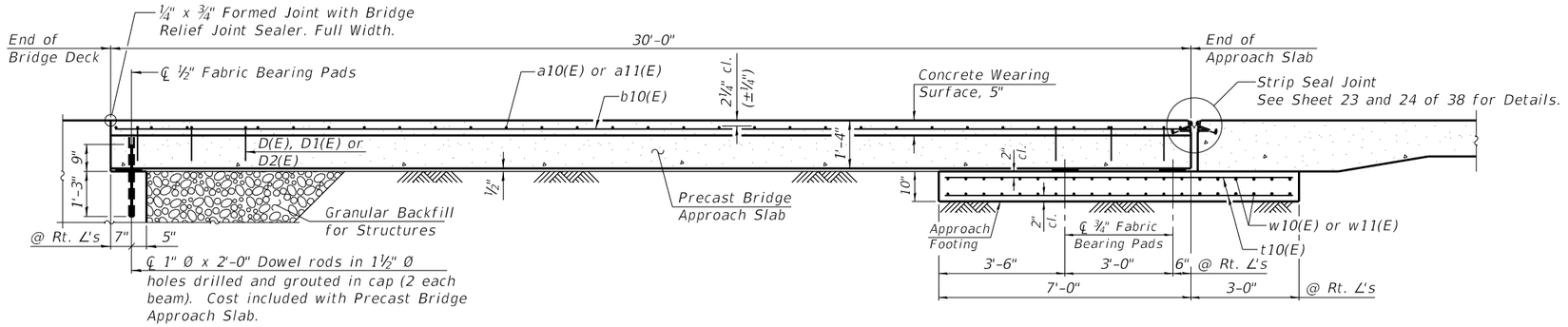
Parapet concrete shall be paid for as Concrete Superstructure.

Approach footing concrete shall be paid for as Concrete Structures.

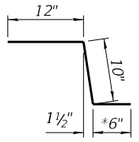
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.

Cost of excavation for approach footing included with Concrete Structures.

For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 38.



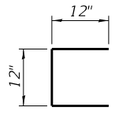
SECTION A-A



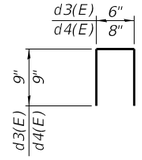
BAR c(E)

*In lieu of bottom leg, c(E) bars may be drilled and set according to Article 509.06 of the Standard Specifications. Drilled holes shall be roughened or scored per manufacturer's recommendations. Maximum depth of drilled hole shall not exceed 5".

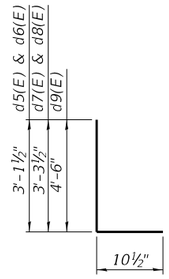
The Contractor shall take all necessary precations to prevent drilled hole interference with overlay reinforcement. Locate longitudinal bars to miss drilled locations. Locate drilled holes to miss transverse bars in overlay.



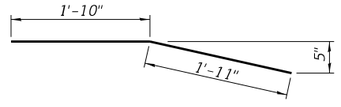
BAR c5(E)



BAR d3(E) & d4(E)



BAR d5(E), d6(E), d7(E), d8(E) & d9(E)



BAR e13(E)

TWO APPROACHES - BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	62	#4	23'-2"	
a11(E)	62	#4	40'-11"	
b10(E)	120	#4	29'-8"	
b11(E)	42	#5	29'-8"	
c(E)	62	#5	2'-4"	
c3(E)	62	#5	6'-3"	
c4(E)	62	#5	13'-8"	
c5(E)	62	#5	3'-0"	
d3(E)	16	#4	2'-0"	
d4(E)	16	#4	2'-2"	
d5(E)	62	#6	4'-0"	
d6(E)	62	#4	4'-0"	
d7(E)	58	#6	4'-2"	
d8(E)	58	#4	4'-2"	
d9(E)	10	#6	5'-5"	
e10(E)	48	#4	14-9"	
e11(E)	16	#4	14-7"	
e12(E)	4	#4	3'-8"	
e13(E)	2	#4	3'-9"	
t10(E)	240	#4	10'-8"	
w10(E)	80	#5	23'-2"	
w11(E)	80	#5	40'-11"	

Concrete Superstructure	Cu. Yd.	43.5
Concrete Structures	Cu. Yd.	40.0
Reinforcement Bars, Epoxy Coated	Pound	16,850
Precast Bridge Approach Slab	Sq. Ft.	3,382
Concrete Wearing Surface, 5"	Sq. Yd.	392

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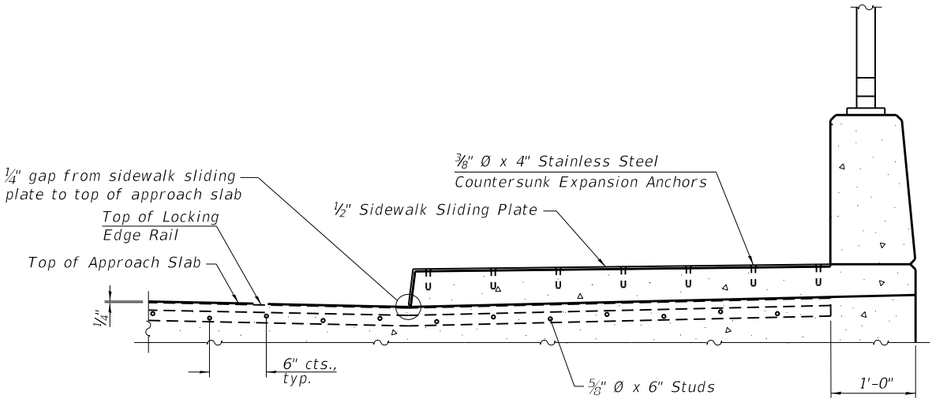
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

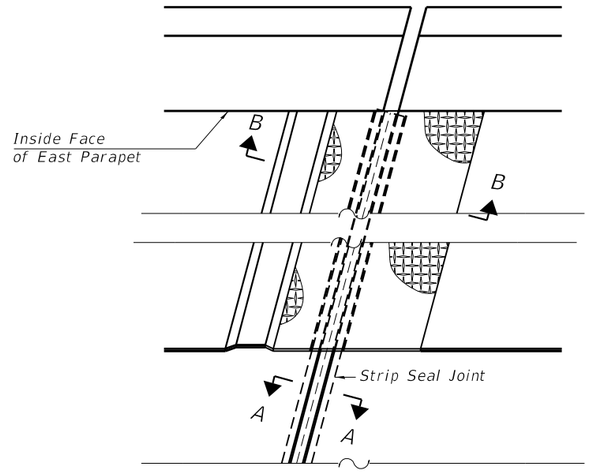
PRECAST BRIDGE APPROACH SLAB
STRUCTURE NO. 021-0063
SHEET 22 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	80
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		



ELEVATION AT SIDEWALK – NORTH APPROACH

(Looking North)
(Sidewalk at South Approach Similar)



PLAN AT SIDEWALK – NORTH APPROACH

(Sidewalk at South Approach Similar)

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. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the 4½" maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.

The manufacturer's recommended installation methods shall be followed.

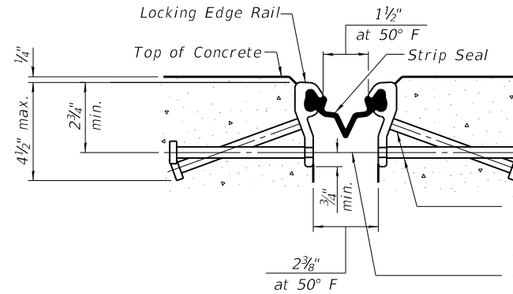
All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

The Maximum space between locking edge rail segments shall be 3/16" and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.

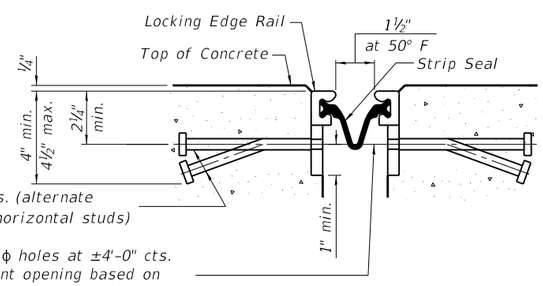
The top surface of sidewalk sliding plates shall have a raised pattern according to ASTM A786.

Cost of parapet sliding plates, sidewalk sliding plates, embedded plates, anchorage studs, and expansion anchors included with Preformed Joint Strip Seal.

The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.



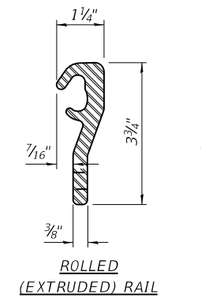
SHOWING ROLLED RAIL JOINT



SHOWING WELDED RAIL JOINT

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.

SECTION A-A



ROLLED (EXTRUDED) RAIL

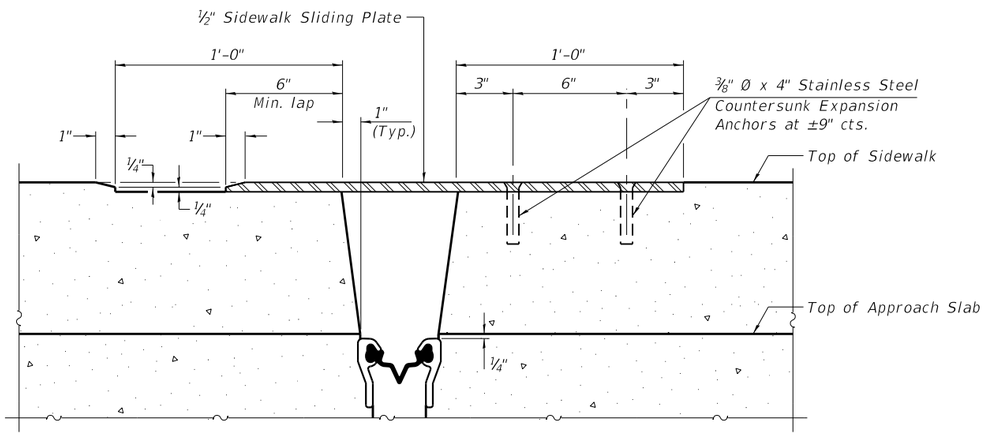
WELDED RAIL

LOCKING EDGE RAILS

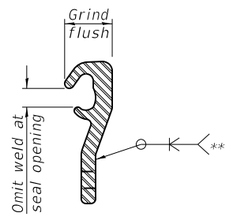
** Back gouge not required if complete joint penetration is verified by mock-up.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	126

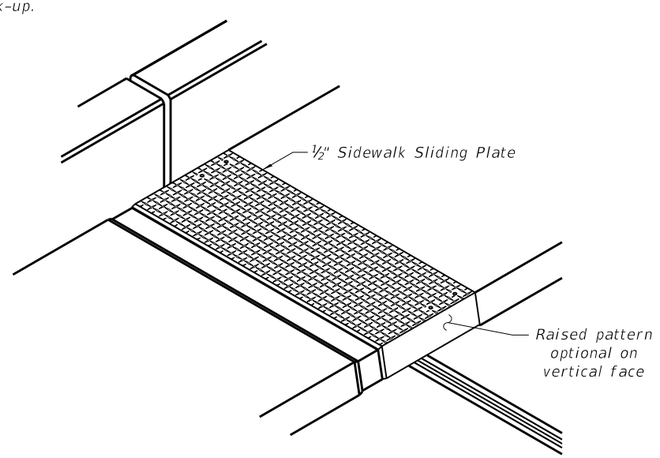


SECTION B-B



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.



TRIMETRIC VIEW

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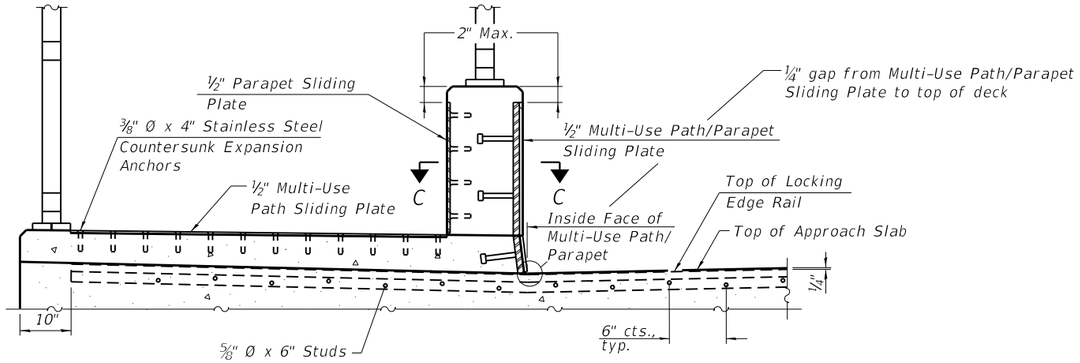
PREFORMED JOINT STRIP SEAL – SIDEWALK/MULTI-USE PATH
STRUCTURE NO. 021-0063
SHEET 23 OF 38 SHEETS

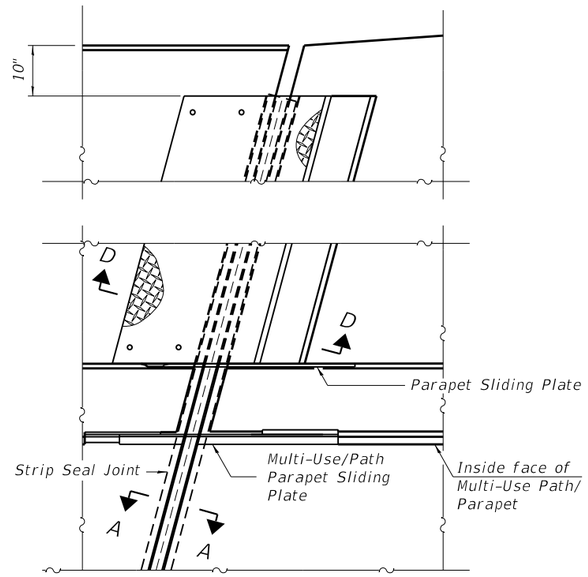
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	81
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			



ELEVATION AT MULTI-USE PATH - NORTH APPROACH

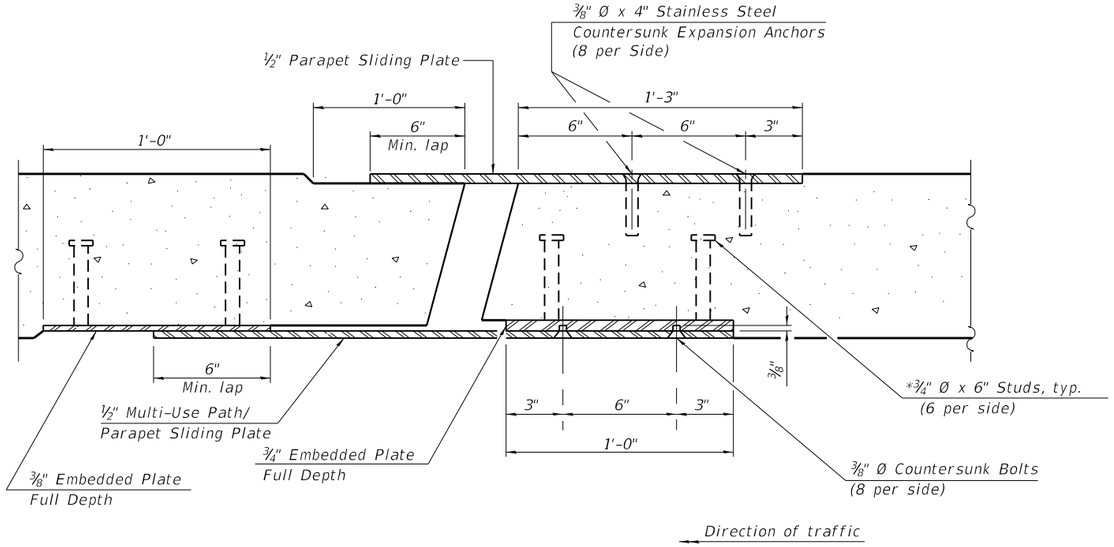
(Looking North)
(Multi-Use Path at South Approach Similar)

Note:
See sheet 23 of 38 for Section A-A.

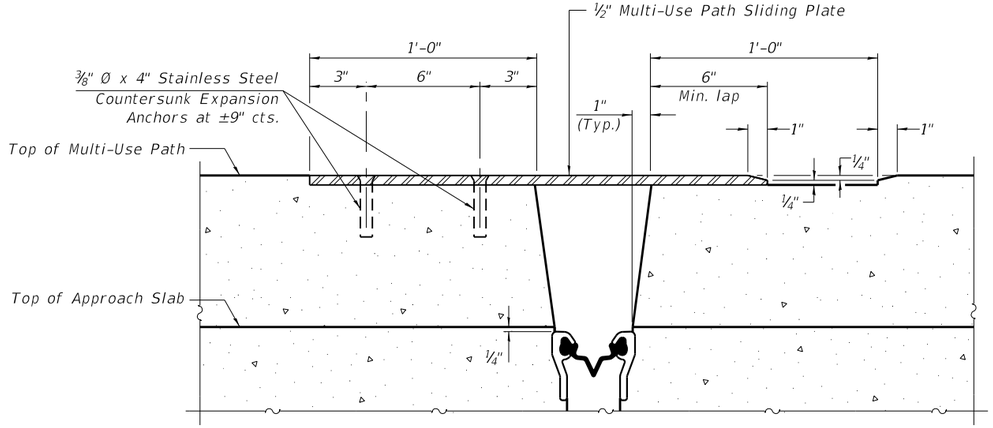


PLAN AT MULTI-USE PATH - NORTH APPROACH

(Multi-Use Path at South Approach Similar)



SECTION C-C



SECTION D-D

FILE NAME: pw:\\bfwme-pw.bentley.com:bfwme-pw-01\Documents\BFW\PROJECTS\2018 PROJECTS\18313 - IDOT D5 PTB 186-10 WO #6 IL 130 Bridge\IDOTCAD_Sheets\024-Joint Strip Seal.dgn

6/20/2019 2:03:00 PM

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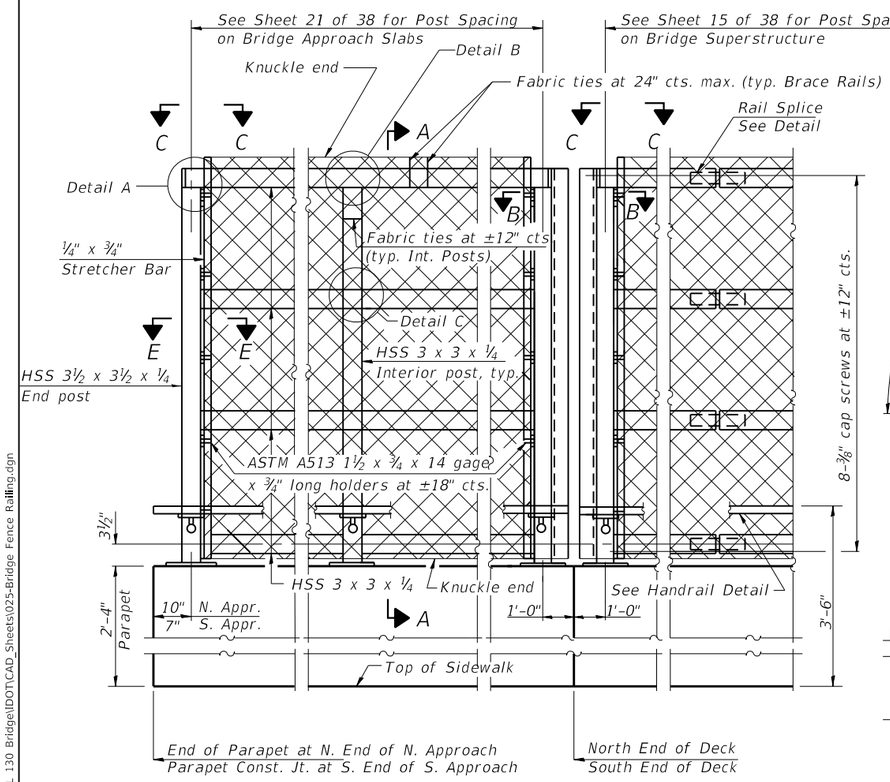
DEPARTMENT OF TRANSPORTATION

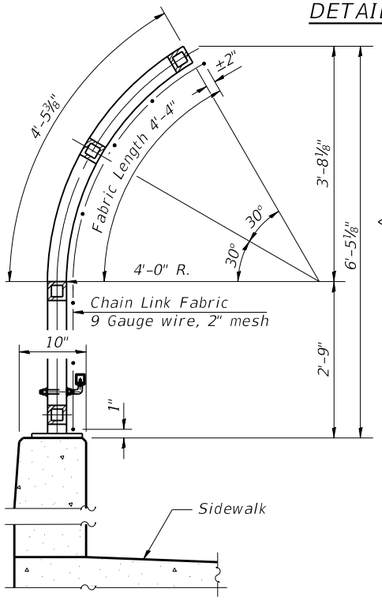
PREFORMED JOINT STRIP SEAL - SIDEWALK/MULTI-USE PATH
STRUCTURE NO. 021-0063
SHEET 24 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	82
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

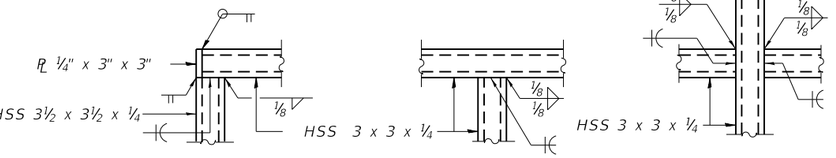


BRIDGE FENCE RAILING ELEVATION

(Inside Face of East Parapet)
(North Appr. Shown – South Appr. Similar except as shown.)



SECTION A-A

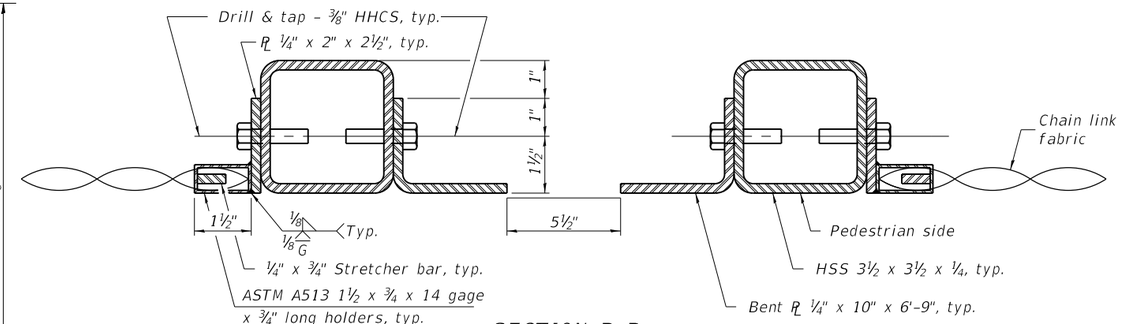


DETAIL A

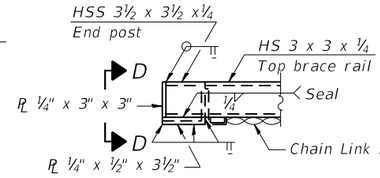
DETAIL B

DETAIL C

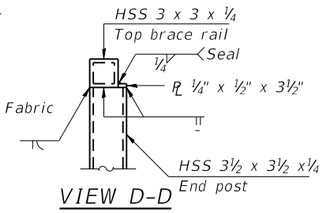
Note:
CVN testing may be omitted for the railing.
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.



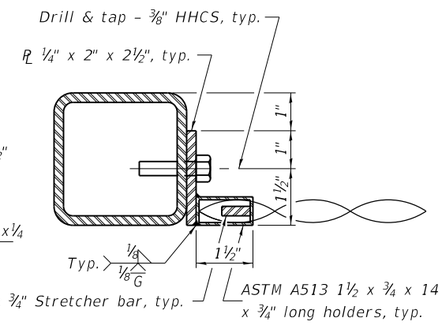
SECTION B-B



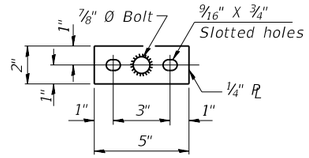
VIEW C-C



VIEW D-D

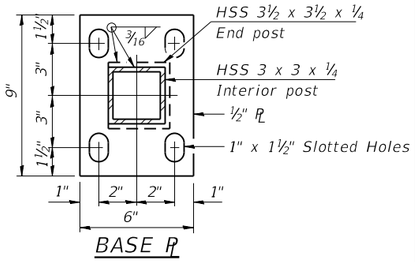


SECTION E-E

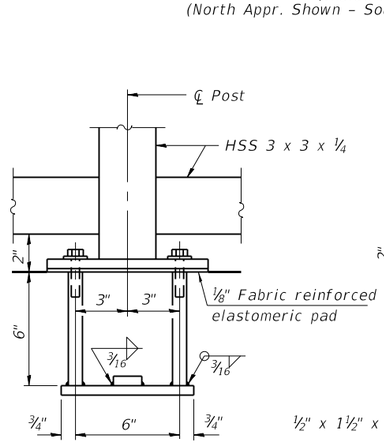


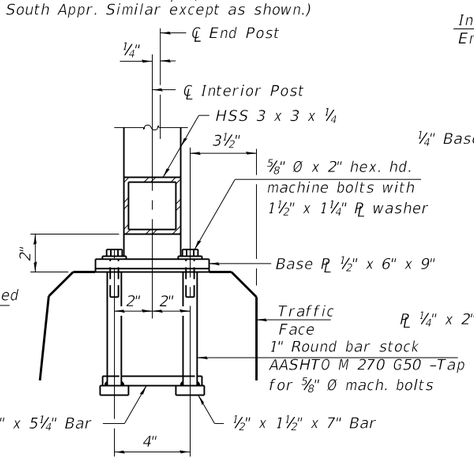
BASE PL

(Handrail)



BASE PL

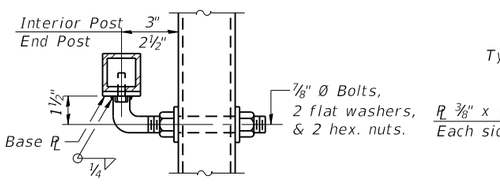


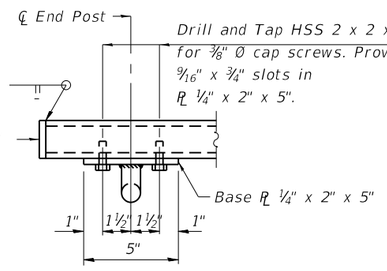


ANCHOR BOLT DETAILS

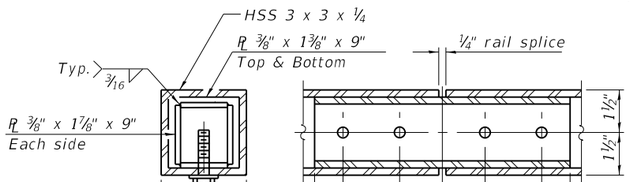
In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting ⅝" Ø anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

(10'-0" Maximum Post Spacing)

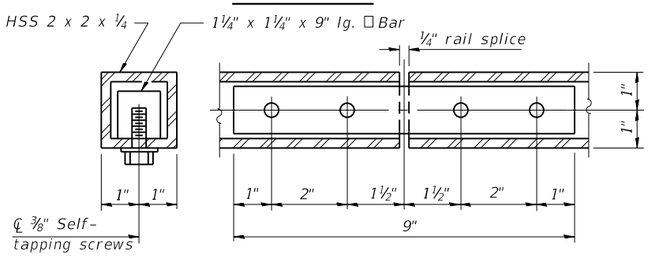




HANDRAIL DETAIL



RAIL SPLICE



HANDRAIL SPLICE

BILL OF MATERIAL

Item	Unit	Quantity
Bridge Fence Railing	Foot	316

BFW BACON | FARMER | WORKMAN ENGINEERING & TESTING, INC. 403 NORTH COURT STREET MARION, ILLINOIS 62959 PHONE • 618.997.9199	USER NAME =	DESIGNED - GBR	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BRIDGE FENCE RAILING, PARAPET MOUNTED STRUCTURE NO. 021-0063
		CHECKED - CMV	REVISED -		
	PLOT SCALE =	DRAWN - BJV	REVISED -		
	PLOT DATE =	CHECKED - GBR	REVISED -		SHEET 25 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	83
		CONTRACT NO. 70545		
		ILLINOIS	FED. AID PROJECT	

FILE NAME: pw:\\bfwme-pw.bentley.com:bfwme-pw-01\Documents\BFW\PROJECTS\2018 PROJECTS\18313 - IDOT D5 PTB 186-10 WO #6 IL 130 Bridge\IDOT\CAD_Sheets\025-Bridge Fence Railing.dgn

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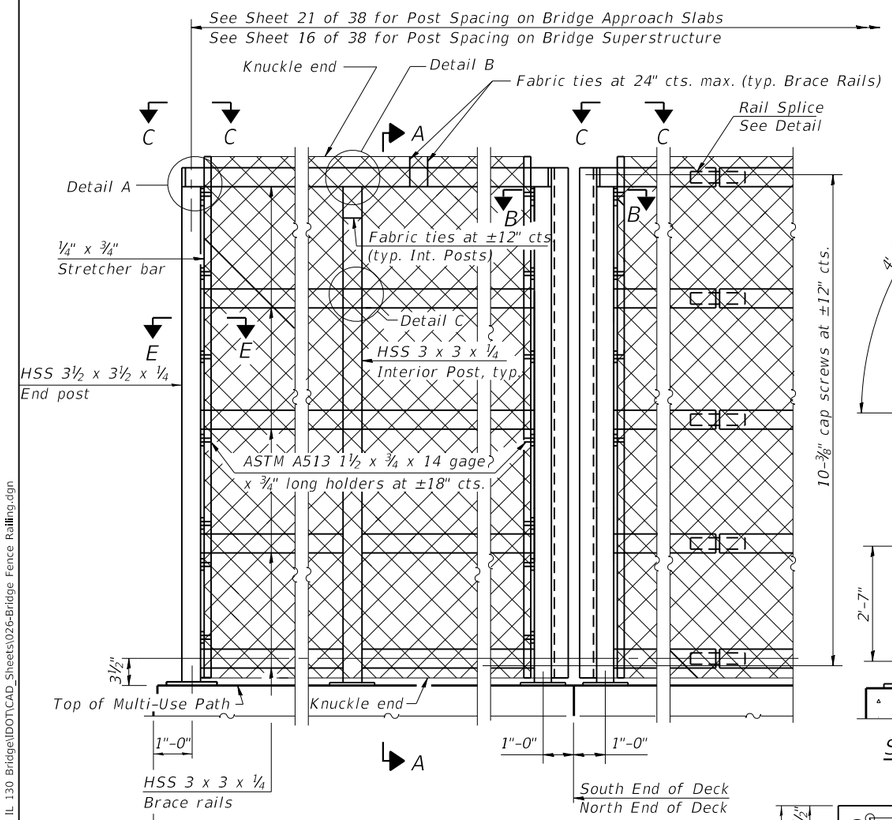
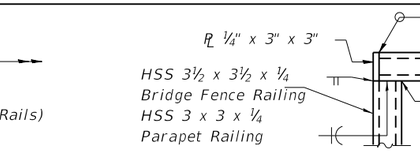
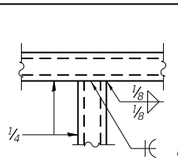


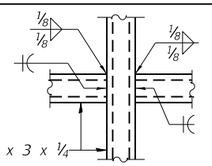
BRIDGE FENCE RAILING ELEVATION



DETAIL A



DETAIL B



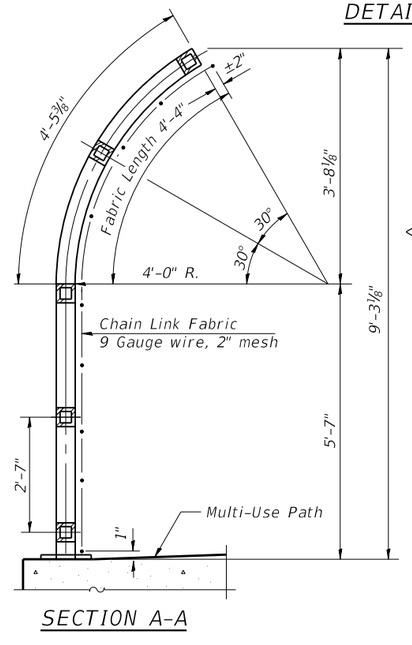
DETAIL C

Notes:

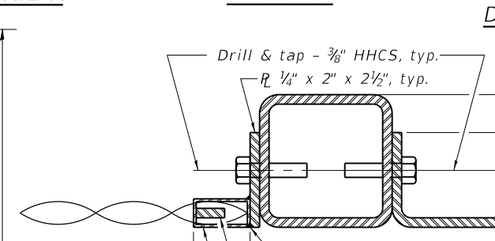
All structural steel tubing, post and railing, for parapet railing shall be CVN tested according to 1006.34(b) of the Standard Specifications.

CVN testing may be omitted for the Bridge Fence Railing.

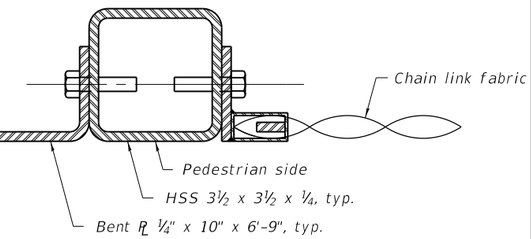
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

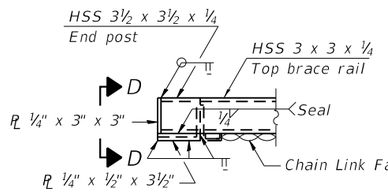


SECTION A-A

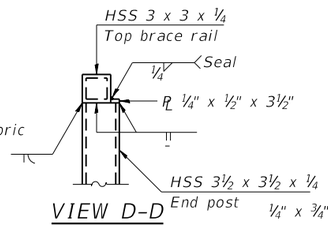


SECTION B-B

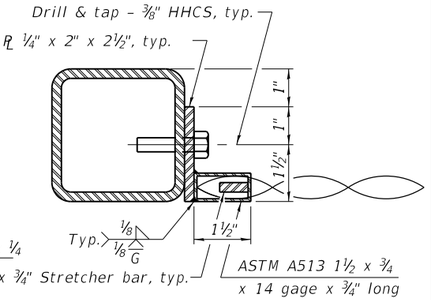




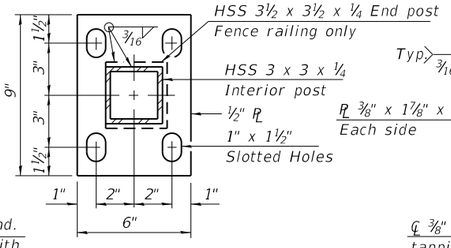
VIEW C-C



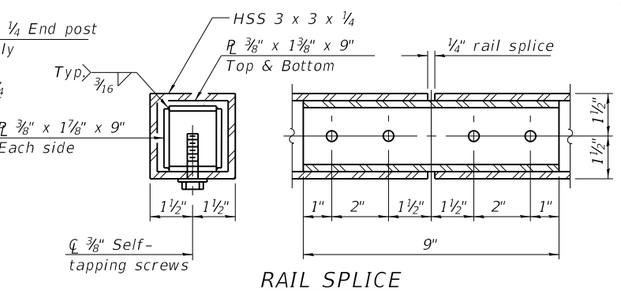
VIEW D-D



SECTION E-E



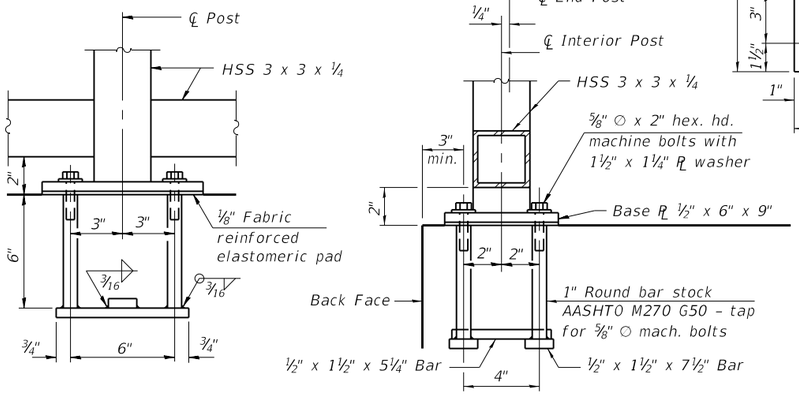
BASE ℄



RAIL SPLICE

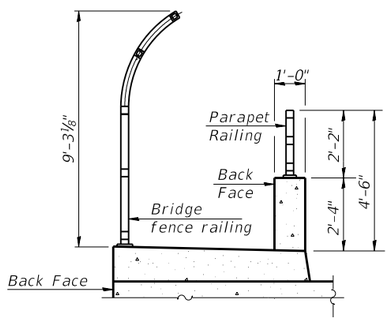
BILL OF MATERIAL

Item	Unit	Quantity
Bridge Fence Railing (Sidewalk)	Foot	320
Parapet Railing	Foot	320

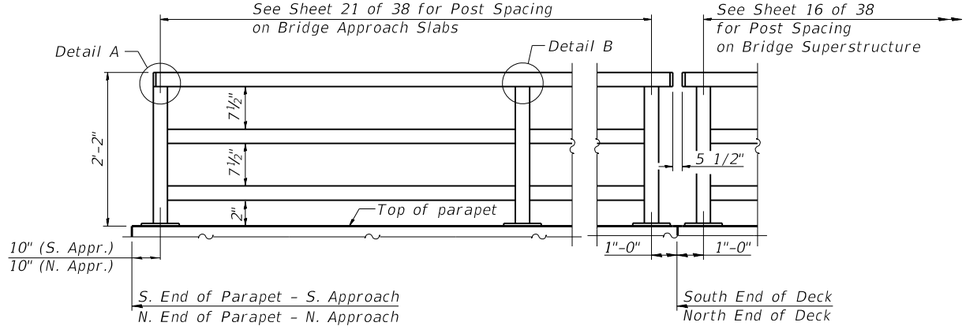


ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting ⅝" ∅ anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



SECTION THRU SIDEWALK



PARAPET RAILING ELEVATION

(Inside Face of West Parapet)

(South Appr. Shown - North Appr. Similar except as shown.)

R-33 8-11-2017 (10'-0" Maximum Post Spacing)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE FENCE RAILING, SIDEWALK MOUNTED
STRUCTURE NO. 021-0063
SHEET 26 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	84
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			

FILE NAME: pw:\bfwme-pw.bentley.com:bfwme-pw-01\Documents\BFWPROJECTS\2018 PROJECTS\18313 - IDOT DS PTB 186-10 WO #6 IL 130 Bridge\IDOT\CAD_Sheets\026-Bridge Fence Railing.dgn

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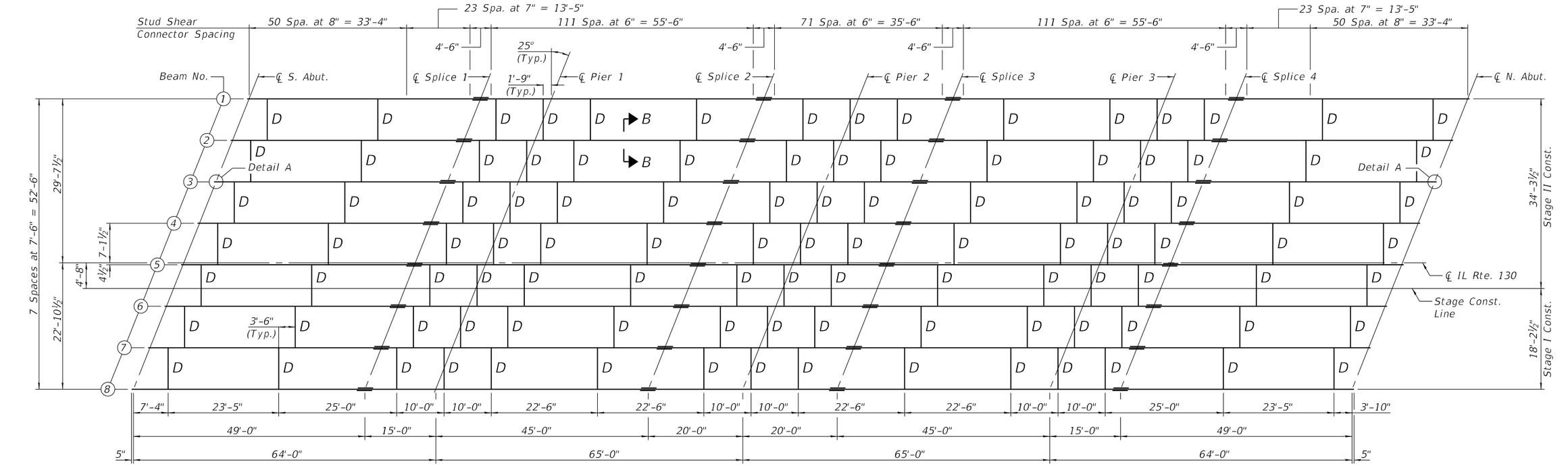


FRAMING PLAN

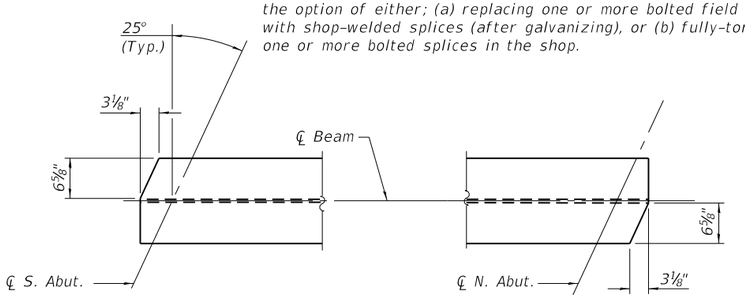
All beams are W27x178, AASHTO M 270, Grade 50, CVN

Notes:

"CVN" denotes Charpy-V-Notch impact energy requirements, zone 2.

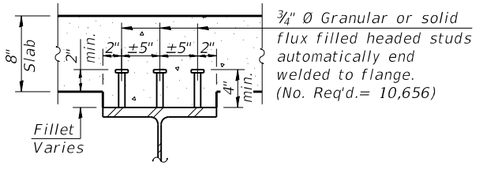
All new structural steel shall be hot-dip galvanized. See Special Provision for "Hot-Dip Galvanizing for Structural Steel."

To facilitate shipping, erection or both, the contractor has the option of either; (a) replacing one or more bolted field splices with shop-welded splices (after galvanizing), or (b) fully-torqueing one or more bolted splices in the shop.

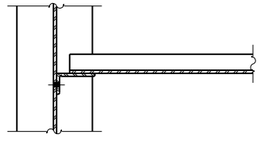


DETAIL A

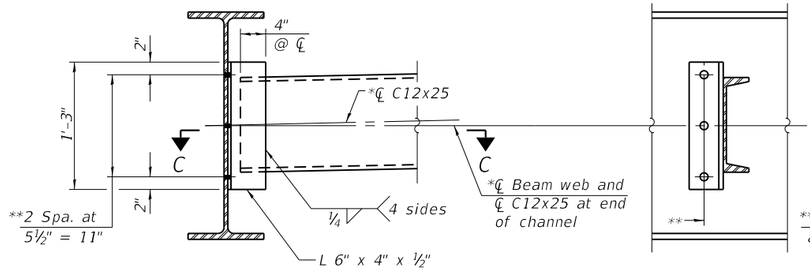
(Top Flange Clip Detail)



SECTION B-B

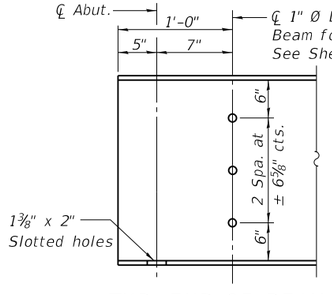


SECTION C-C

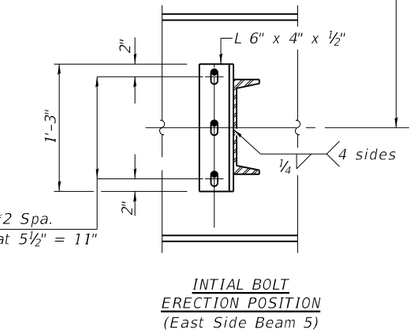


INTERIOR DIAPHRAGM D

(105 Required)



TYP. END OF BEAM ELEVATION



INTIAL BOLT ERECTION POSITION

(East Side Beam 5)

Notes:

All diaphragms shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual diaphragms at supports may be temporarily disconnected to install bearing anchor rods.

Two hardened washers required for each set of oversized holes.

*Alternate channels C12x30 are permitted to facilitate material acquisition. Calculated weight of structural steel is based on the lighter section.

The alternate, if utilized, shall be provided at no additional cost to the Department.

**¾" Ø HS bolts shall be provided for all diaphragm connections and holes in the beam webs and angles shall be 15/16" in diameter except as noted. 13/16" x 1⅞" vertical slotted holes in the angles located on the east side of beam five shall be provided to accommodate the differential displacement between beams five and six due to stage construction. The bolts in slotted holes shall be finger tightened until the second stage pour is completed. Position slots, so bolts move from one end with no concrete load to the opposite end under the deck load. The slotted holes in the angle shall be positioned to allow maximum bolt displacement without laterally stressing the beams.

FILE NAME: pw:\\bfwme-pw.bentley.com:bfwme-pw-01\Documents\BFW\PROJECTS\2018 PROJECTS\18313 - IDOT D5 PTB 186-10 WO #6 IL 130 Bridges\IDOT\CAD_Sheets\027-Structural Steel.dgn

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL
STRUCTURE NO. 021-0063
SHEET 27 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	85
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

INTERIOR BEAM MOMENT TABLE					
		0.4 Sp. 1 or 0.6 Sp. 4	Pier 1 or Pier 3	0.5 Sp. 2 or Sp. 3	Pier 2
Is	(in^4)	7020	7020	7020	7020
Ic(n)	(in^4)	18124	18124	18124	18124
Ic(3n)	(in^4)	13297	13297	13297	13297
Ic(cr)	(in^4)	–	9148	–	9148
Ss	(in^3)	505	505	505	505
Sc(n)	(in^3)	719	719	719	719
Sc(3n)	(in^3)	652	652	652	652
Sc(cr)	(in^3)	–	565	–	565
DC1	(k/')	0.986	0.986	0.986	0.986
MDC1	('k)	310.1	-436.8	151.3	-302.5
DC2	(k/')	0.319	0.319	0.319	0.319
MDC2	('k)	100.3	-141.3	48.9	-97.8
DW	(k/')	0.250	0.250	0.250	0.250
MDW	('k)	78.6	-110.7	38.3	-76.7
LLDF		0.651	0.651	0.651	0.651
M_{L+IM}	('k)	769.4	-703.4	631.0	-635.3
Mu (Strength I)	('k)	1997	-2120	1412	-1727
Ø f Mn	('k)	3486	–	3486	–
fs DC1	(ksi)	7.4	-10.4	3.6	-7.2
fs DC2	(ksi)	1.8	-3.0	0.9	-1.8
fs DW	(ksi)	1.4	-2.4	0.7	-1.4
fs (L+IM)	(ksi)	12.8	-14.9	10.5	-10.6
fs (Service II)	(ksi)	27.2	-30.2	18.9	-24.2
0.95Rh Fyf	(ksi)	47.5	47.5	47.5	47.5
fs (Total)(Strength I)	(ksi)	–	-46.4	–	-37.6
Ø f Fn	(ksi)	–	50	–	50
Vf	(k)	28	29	30	30

INTERIOR BEAM REACTION TABLE				
		Abut.	Pier 1 or 3	Pier 2
LLDF		0.851	0.779	0.779
RDC1	(k)	25.7	72.4	60.0
RDC2	(k)	8.0	23.5	19.4
RDW	(k)	6.3	18.4	15.2
R L	(k)	65.8	93.6	90.7
R IM	(k)	16.6	17.9	17.7
RTotal	(k)	122.4	225.8	203.0

Is, Ss: Non-composite moment of inertia and section modulus of the steel section used for computing fs(Total-Strength I, and Service II) due to non-composite dead loads (in.⁴ and in.³).

Ic(n), Sc(n): Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing fs(Total-Strength I, and Service II) in uncracked sections due to short-term composite live loads (in.⁴ and in.³).

Ic(3n), Sc(3n): Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing fs(Total-Strength I, and Service II) in uncracked sections, due to long-term composite (superimposed) dead loads (in.⁴ and in.³).

Ic(cr), Sc(cr): Composite moment of inertia and section modulus of the steel and longitudinal deck reinforcement, used for computing fs (Total-Strength I and Service II) in cracked sections, due to both short-term composite live loads and long-term composite (superimposed) dead loads (in.⁴ and in.³).

DC1: Un-factored non-composite dead load (kips/ft.).

MDC1: Un-factored moment due to non-composite dead load (kip-ft.).

DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).

MDC2: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).

DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).

MDW: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).

M_{L+IM}: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).

Mu (Strength I): Factored design moment (kip-ft.).
1.25 (MDC1 + MDC2) + 1.5 MDW + 1.75 M_{L+IM}

Ø f Mn: Compact composite positive moment capacity computed according to Article 6.10.7.1 or non-slender negative moment capacity according to Article A6.1.1 or A6.1.2 (kip-ft).

fs DC1: Un-factored stress at edge of flange for controlling steel flange due to vertical non-composite dead loads as calculated below (ksi).
MDC1/ Snc

fs DC2: Un-factored stress at edge of flange for controlling steel flange due to vertical composite dead loads as calculated below (ksi).
MDC2/ Sc(3n) or MDC2/ Sc(cr) as applicable.

fs DW: Un-factored stress at edge of flange for controlling steel flange due to vertical composite future wearing surface loads as calculated below (ksi).
MDW/ Sc(3n) or MDW/ Sc(cr) as applicable.

fs (L+IM): Un-factored stress at edge of flange for controlling steel flange due to vertical composite live load plus impact loads as calculated below (ksi).
M_{L+IM} / Sc(n) or M_{L+IM} / Sc(cr) as applicable.

fs (Service II): Sum of stresses as computed below (ksi).
fsDC1 + fsDC2 + fsDW + 1.3 fs($_{L+IM}$)

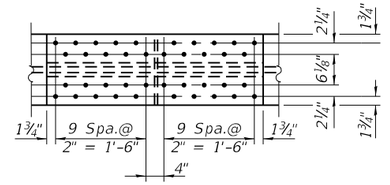
0.95RhFyf: Composite stress capacity for Service II loading according to Article 6.10.4.2 (ksi).

fs (Total)(Strength I): Sum of stresses as computed below on non-compact section (ksi).
1.25 (fsDC1 + fsDC2) + 1.5 fsDW + 1.75 fs($_{L+IM}$)

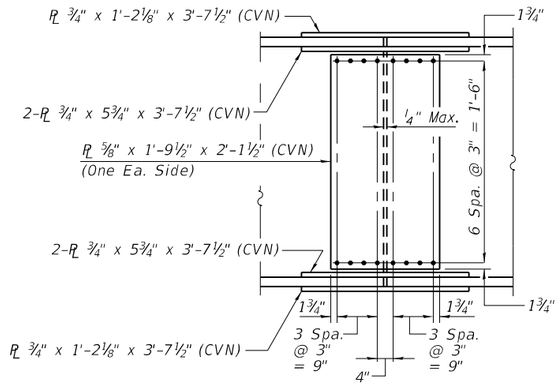
Ø f Fn: Non-Compact composite positive or negative stress capacity for Strength I loading according to Article 6.10.7 or 6.10.8 (ksi).

Vf: Maximum factored shear range in span computed according to Article 6.10.10.

LLDF: Live Load Distribution Factor



PLAN - TOP & BOTTOM FLANGE



ELEVATION

FIELD SPLICE 1 THRU 4 DETAIL

(32 Required)

Notes:
All splice plates shall be AASHTO M 270, Grade 50, CVN.
"CVN" denotes Charpy-V-Notch impact energy requirements, zone 2.
All new structural steel shall be hot-dip galvanized. See Special Provision for "Hot-Dip Galvanizing for Structural Steel."
Use ⅞" Ø H.S. bolts with $^{15}/_{16}$" Ø holes for all splice connections.

*TOP OF BEAM ELEVATIONS

Location	℄ S. Abut.	℄ Splice 1	℄ Pier 1	℄ Splice 2	℄ Pier 2	℄ Splice 3	℄ Pier 3	℄ Splice 4	℄ N. Abut.
Beam 1	646.34	646.31	646.31	646.31	646.31	646.31	646.31	646.31	646.34
Beam 2	646.49	646.46	646.46	646.46	646.46	646.46	646.46	646.46	646.49
Beam 3	646.64	646.61	646.61	646.61	646.61	646.61	646.61	646.61	646.64
Beam 4	646.77	646.73	646.73	646.73	646.73	646.73	646.73	646.73	646.77
Beam 5	646.87	646.83	646.83	646.83	646.83	646.83	646.83	646.83	646.87
Beam 6	646.75	646.72	646.72	646.72	646.72	646.72	646.72	646.72	646.75
Beam 7	646.62	646.59	646.59	646.59	646.59	646.59	646.59	646.59	646.62
Beam 8	646.47	646.44	646.44	646.44	646.44	646.44	646.44	646.44	646.47

*For fabrication use only.

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DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL DETAILS
STRUCTURE NO. 021-0063
SHEET 28 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	86
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

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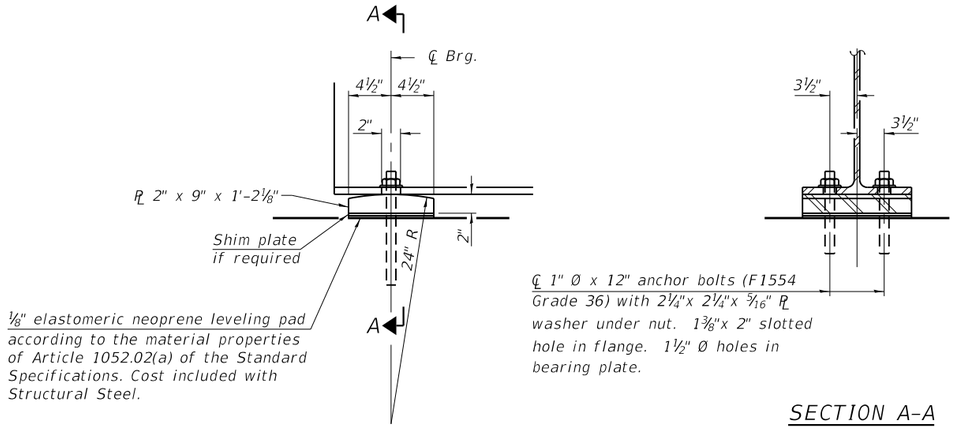
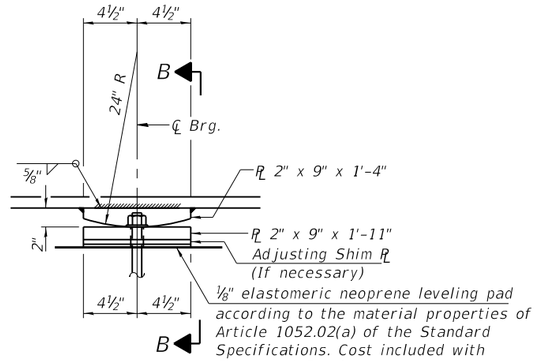


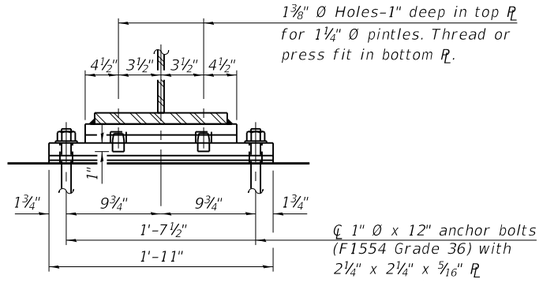
SECTION A-A

ELEVATION AT ABUTMENT

FIXED BEARING AT ABUTMENTS
(16 Required)

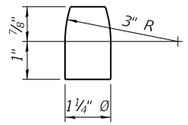


ELEVATION AT PIER



SECTION B-B

FIXED BEARING AT PIERS
(24 Required)



PINTLE

BILL OF MATERIAL

Item	Unit	Total
Anchor Bolts, 1"	Each	80

Notes:

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M 314 anchor bolts may be used in lieu of ASTM F1554.

Anchor bolts shall be according to Article 521.06 of the Standard Specifications.

Beams shall be braced for stability during erection and remain braced until deck is poured and cured.

Anchor bolts at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.

Two ⅛ in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.

All bearing plates, side retainers, anchor bolts, nuts, washers and pintles shall be galvanized according to AASHTO M 111 or M 232 as applicable.

The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 50.

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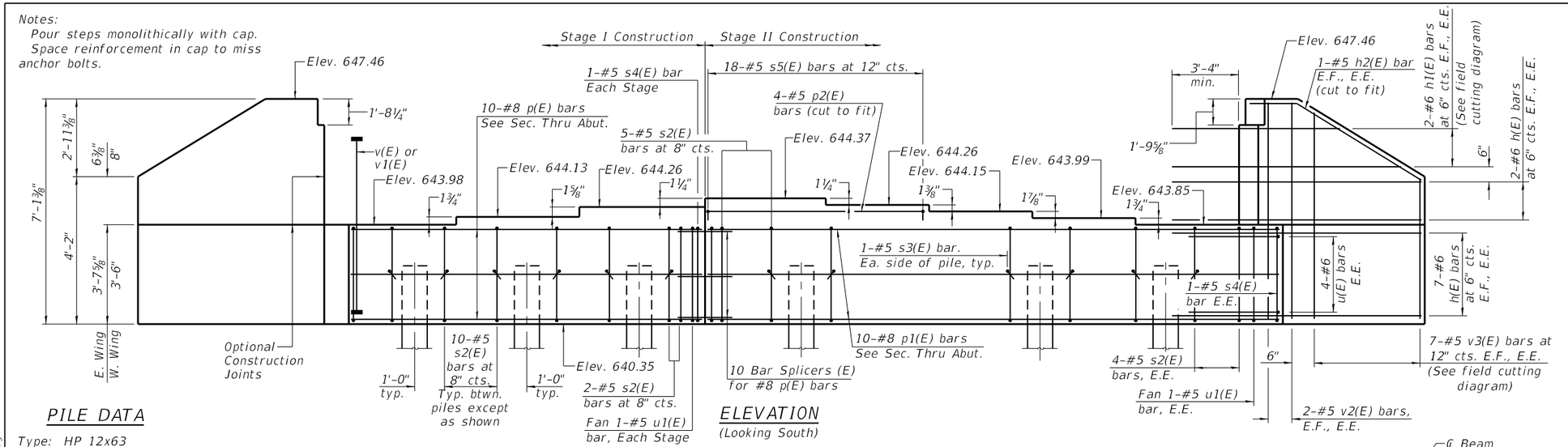
PLOT SCALE =	DRAWN - BJV	REVISED -	
PLOT DATE =	CHECKED - GBR	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEARING DETAILS
STRUCTURE NO. 021-0063
SHEET 29 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	87
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			

Notes:
Pour steps monolithically with cap.
Space reinforcement in cap to miss anchor bolts.

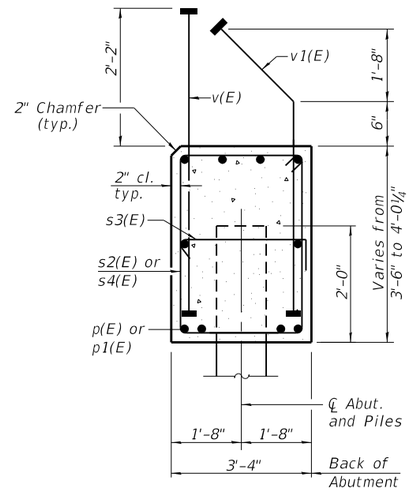


PILE DATA

Type: HP 12x63
Nominal Required Bearing: 487 kips
Factored Resistance Available: 268 kips
Est. Length: 51'
No. Production Piles: 7
No. Test Piles: 1

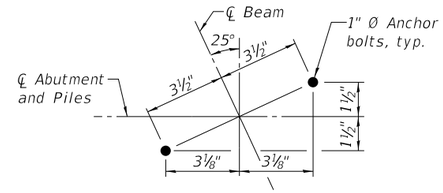
ELEVATION

(Looking South)



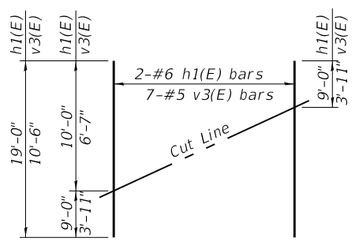
SEC. THRU ABUT.

Dimensions at right angles to abutment.



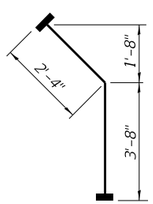
ANCHOR BOLT DETAIL

PLAN

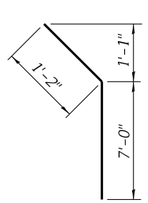


FIELD CUTTING DIAGRAM

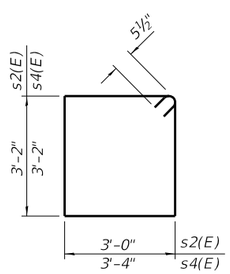
Order h1(E) and v3(E) full length. Cut as shown and use remainder of bars in opposite face.



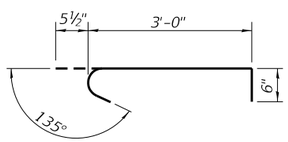
BAR v1(E)



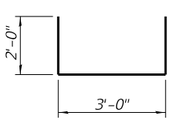
BAR h2(E)



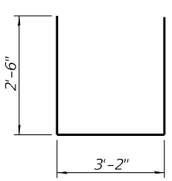
BAR s2(E) & s4(E)



BAR s3(E)



BAR s5(E)



BAR u1(E)

BAR u(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	36	#6	11'-3"	
h1(E)	4	#6	19'-0"	
h2(E)	4	#5	8'-2"	
p(E)	10	#8	23'-2"	
p1(E)	10	#8	40'-10"	
p2(E)	4	#5	17'-7"	
s2(E)	75	#5	13'-3"	
s3(E)	16	#5	4'-0"	
s4(E)	4	#5	13'-11"	
s5(E)	18	#5	7'-0"	
u(E)	8	#6	10'-10"	
u1(E)	4	#5	8'-2"	
v(E)	62	#8	5'-4"	
v1(E)	62	#8	6'-0"	
v2(E)	8	#5	6'-9"	
v3(E)	14	#5	10'-6"	
Structure Excavation		Cu. Yd.	61	
Concrete Structures		Cu. Yd.	33.7	
Reinforcement Bars, Epoxy Coated		Pound	6,090	
Furnishing Steel Piles, HP12x63		Foot	357	
Driving Piles		Foot	357	
Test Pile Steel HP 12x63		Each	1	

See sheet 33 of 38 for Pile Details.
See sheet 34 of 38 for Bar Splicer Details.
Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.
E.F. denotes each face, E.E. denotes each end.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH ABUTMENT
STRUCTURE NO. 021-0063
SHEET 30 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	88
		CONTRACT NO. 70545		
		ILLINOIS	FED. AID PROJECT	

FILE NAME: pw:\\bfwme-pw.bentley.com:bfwme-pw-01\Documents\BFW\PROJECTS\2018 PROJECTS\18313 - IDOT D5 PTB 186-10 WO #6 IL 130 Bridge\IDOT\CAD_Sheets\030-Abutment Details.dgn

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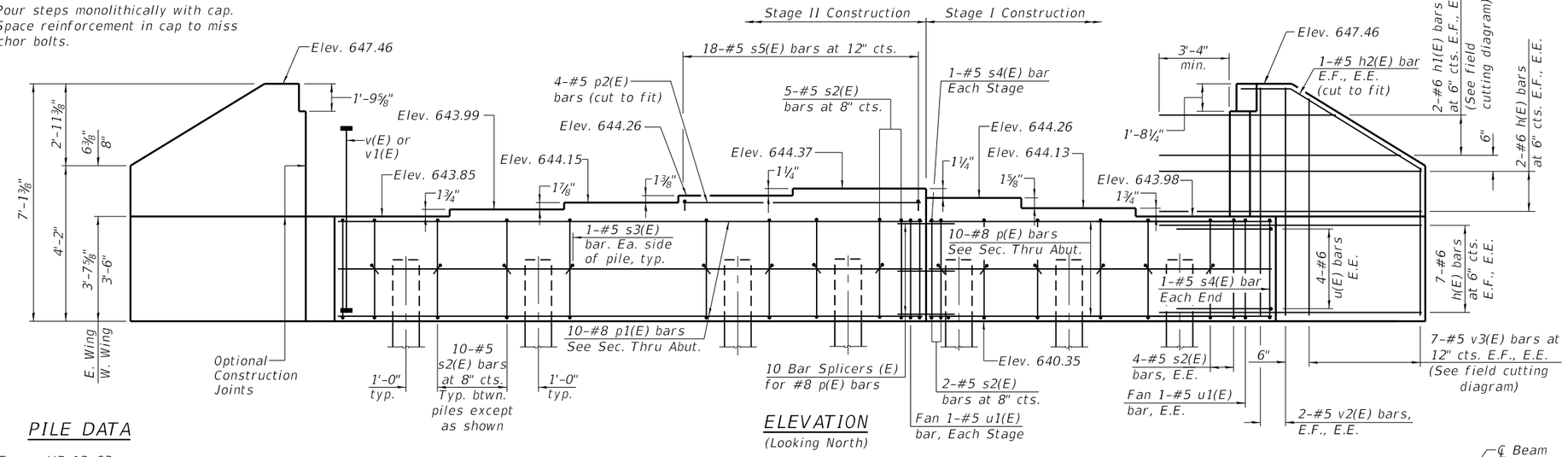
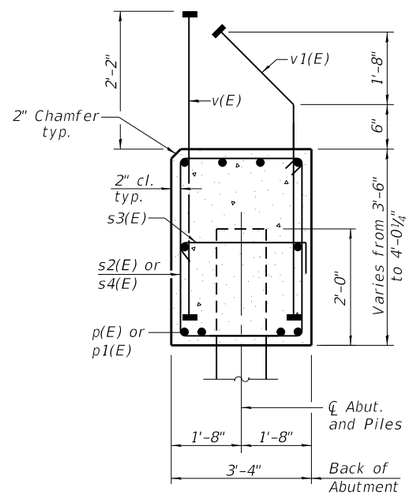
Notes:
Pour steps monolithically with cap.
Space reinforcement in cap to miss anchor bolts.



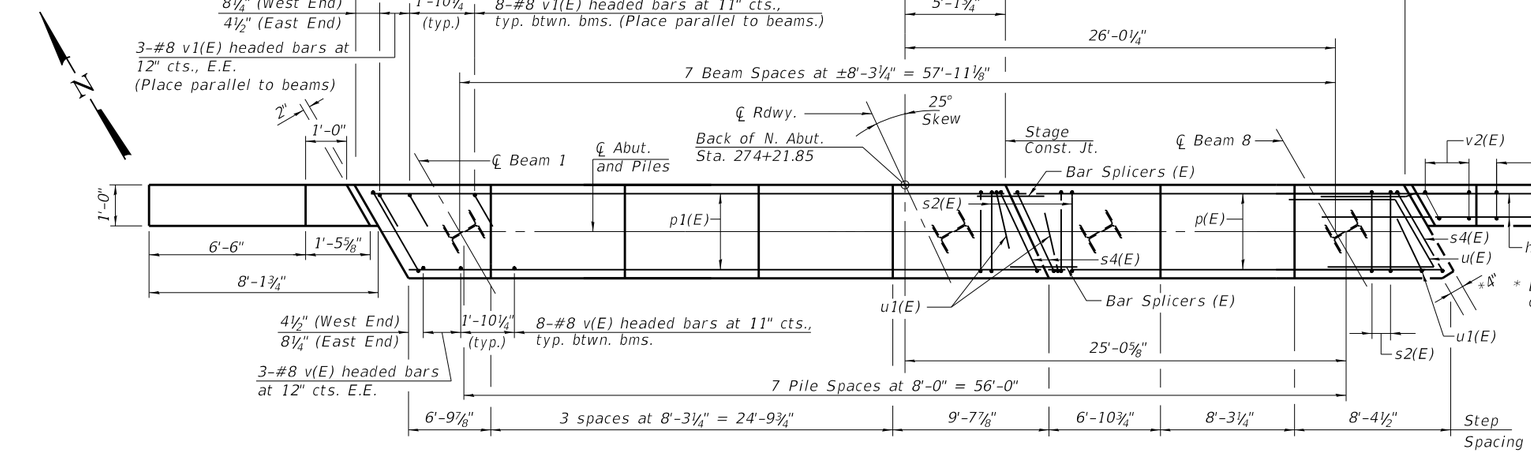
ELEVATION
(Looking North)



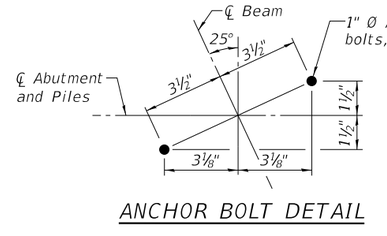
SEC. THRU ABUT.
Dimensions at right angles to abutment.

PILE DATA

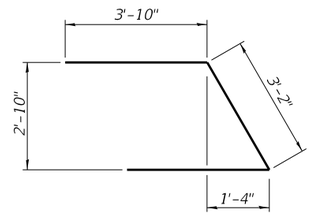
Type: HP 12x63
Nominal Required Bearing: 487 kips
Factored Resistance Available: 268 kips
Est. Length: 83'
No. Production Piles: 7
No. Test Piles: 1



PLAN



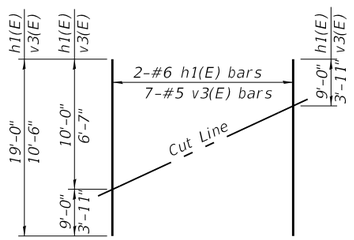
ANCHOR BOLT DETAIL



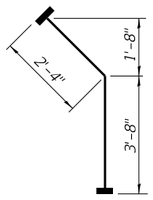
BAR u(E)

BILL OF MATERIAL

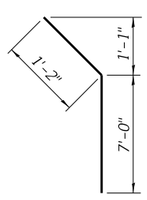
Bar	No.	Size	Length	Shape
h(E)	36	#6	11'-3"	
h1(E)	4	#6	19'-0"	
h2(E)	4	#5	8'-2"	
p(E)	10	#8	23'-2"	
p1(E)	10	#8	40'-10"	
p2(E)	4	#5	17'-7"	
s2(E)	75	#5	13'-3"	
s3(E)	16	#5	4'-0"	
s4(E)	4	#5	13'-11"	
s5(E)	18	#5	7'-0"	
u(E)	8	#6	10'-10"	
u1(E)	4	#5	8'-2"	
v(E)	62	#8	5'-4"	
v1(E)	62	#8	6'-0"	
v2(E)	8	#5	6'-9"	
v3(E)	14	#5	10'-6"	
Structure Excavation		Cu. Yd.		61
Concrete Structures		Cu. Yd.		33.7
Reinforcement Bars, Epoxy Coated		Pound		6,090
Furnishing Steel Piles, HP12x63		Foot		581
Driving Piles		Foot		581
Test Pile Steel HP 12x63		Each		1



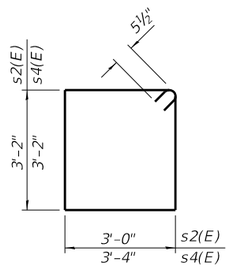
FIELD CUTTING DIAGRAM
Order h1(E) and v3(E) full length. Cut as shown and use remainder of bars in opposite face.



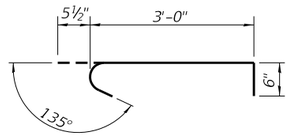
BAR v1(E)



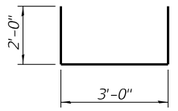
BAR h2(E)



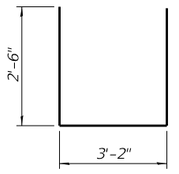
BAR s2(E) & s4(E)



BAR s3(E)



BAR s5(E)



BAR u1(E)

See sheet 33 of 38 for Pile Details.
See sheet 34 of 38 for Bar Splicer Details.
Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.
E.F. denotes each face, E.E. denotes each end.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH ABUTMENT
STRUCTURE NO. 021-0063
SHEET 31 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	89
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			

FILE NAME: pw:\\bfwme-pw.bentley.com:bfwme-pw-01\Documents\BFW\PROJECTS\2018 PROJECTS\18313 - IDOT D5 PTB 186-10 WO #6 IL 130 Bridge\IDOT\CAD_Sheets\031-Abutment Details.dgn
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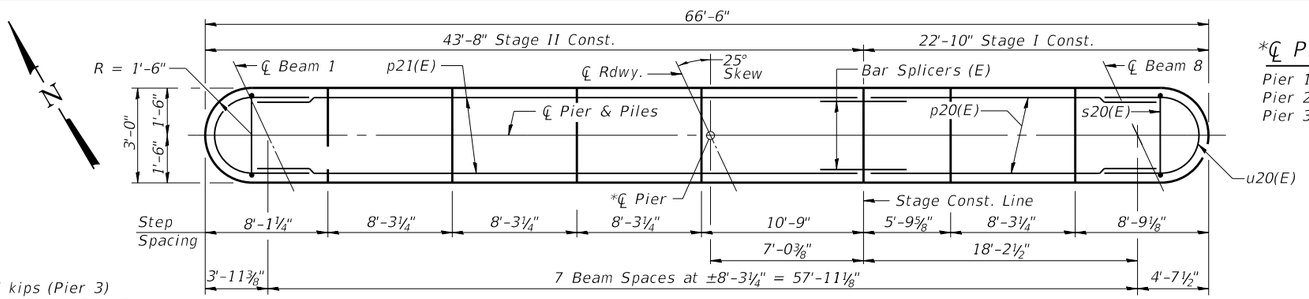
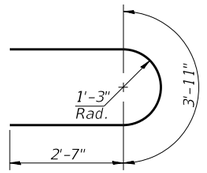
Notes:
Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.
See sheet 33 of 38 for Pile Details.
See sheet 34 of 38 for Bar Splicer Details.
See sheet 4 of 38 for Cofferdam (Type II) and Seal Coat Details.

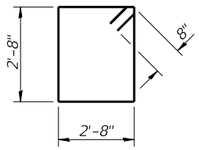


TOP PLAN

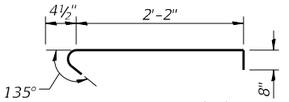
*℄ Pier Locations
Pier 1 - Sta. 272+26.00
Pier 2 - Sta. 272+91.00
Pier 3 - Sta. 273+56.00



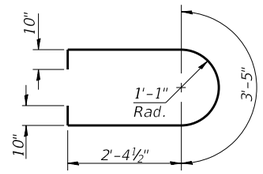
BAR u20(E)



BAR s20(E)



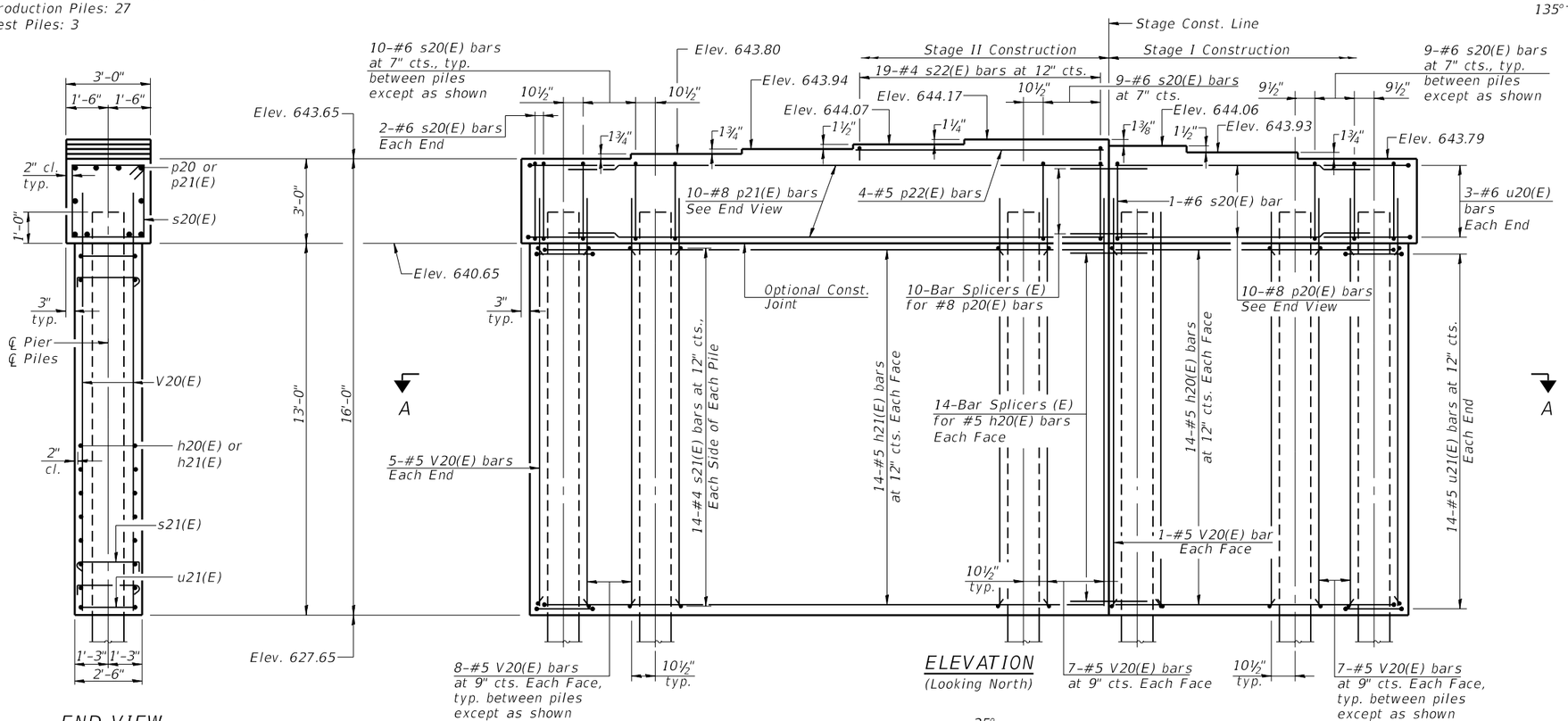
BAR s21(E)



BAR u21(E)

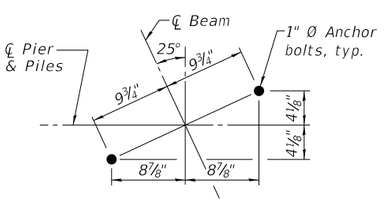
PILE DATA

Type: HP 14x117
Nominal Required Bearing: 711 kips (Piers 1&2), 665 kips (Pier 3)
Factored Resistance Available: 351 kips (Piers 1&2), 317kips (Pier 3)
Est. Length: 65' (Piers 1&2), 106' (Pier 3)
No. Production Piles: 27
No. Test Piles: 3

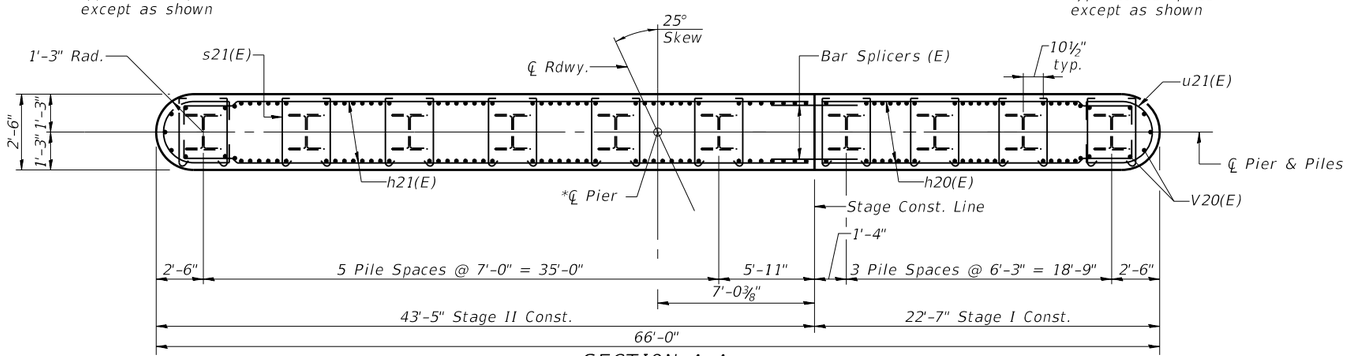


END VIEW

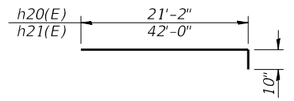
ELEVATION
(Looking North)



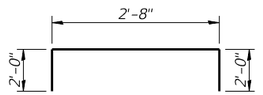
ANCHOR BOLT DETAIL



SECTION A-A



BAR h20(E) & h21(E)



BAR s22(E)

BILL OF MATERIAL
(3 Piers)

	Bar	No.	Size	Length	Shape
	h20(E)	84	#5	22'-0"	
	h21(E)	84	#5	42'-10"	
	p20(E)	30	#8	21'-2"	
	p21(E)	30	#8	42'-0"	
	p22(E)	12	#5	18'-8"	
	s20(E)	273	#6	12'-0"	
	s21(E)	840	#4	3'-3"	
	s22(E)	57	#4	6'-8"	
	u20(E)	18	#6	9'-1"	
	u21(E)	84	#5	9'-10"	
	V20(E)	444	#5	15'-3"	
	Cofferdam Excavation		Cu. Yd.	613	
	Concrete Structures		Cu. Yd.	308.4	
	Reinforcement Bars, Epoxy Coated		Pound	26,140	
	Furnishing Steel Piles, HP 14x117		Foot	2,124	
	Driving Piles		Foot	2,124	
	Test Pile, Steel HP 14x117		Each	3	
Pier 1 -	Cofferdam (Type 2) Location 1		Each	1	
Pier 2 -	Cofferdam (Type 2) Location 2		Each	1	
Pier 3 -	Cofferdam (Type 2) Location 3		Each	1	

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PLOT DATE =	CHECKED - GBR	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIERS
STRUCTURE NO. 021-0063
SHEET 32 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	90
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			

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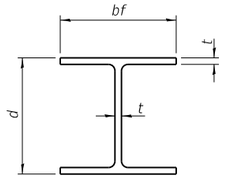
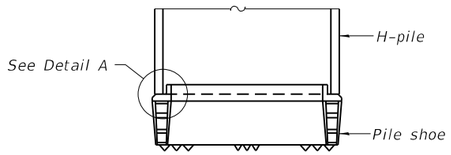
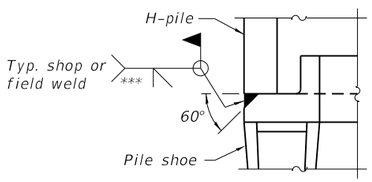


STEEL PILE TABLE

Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14¼"	14⅞"	13/16"	30"
x102	14"	14¾"	11/16"	30"
x89	13⅞"	14¾"	⅝"	30"
x73	13⅜"	14⅝"	½"	30"
HP 12x84	12¼"	12¼"	11/16"	24"
x74	12⅛"	12¼"	⅝"	24"
x63	12"	12⅛"	½"	24"
x53	11¾"	12"	7/16"	24"
HP 10x57	10"	10¼"	9/16"	24"
x42	9¾"	10⅛"	7/16"	24"
HP 8x36	8"	8⅛"	7/16"	18"



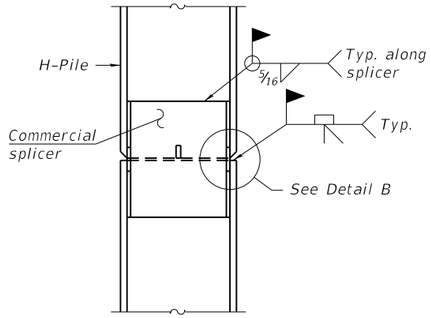
ELEVATION



DETAIL A

SHOE ATTACHMENT

Note:
The steel H-piles shall be according to AASHTO M 270 Grade 50.



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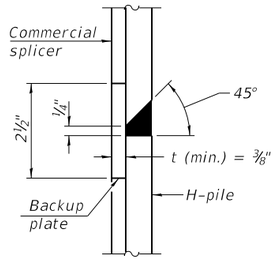
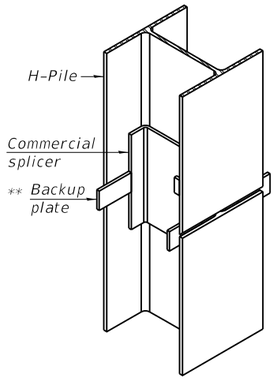
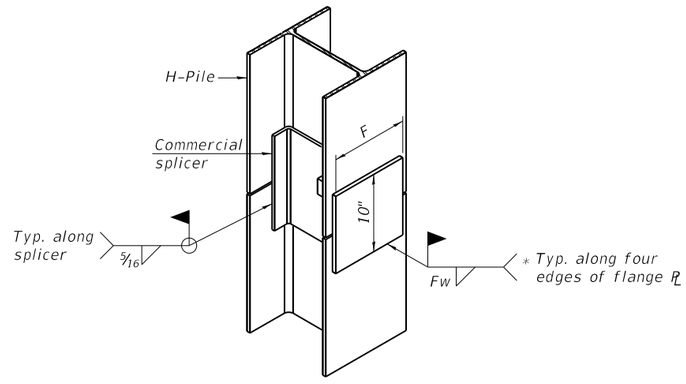


DETAIL "B"



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



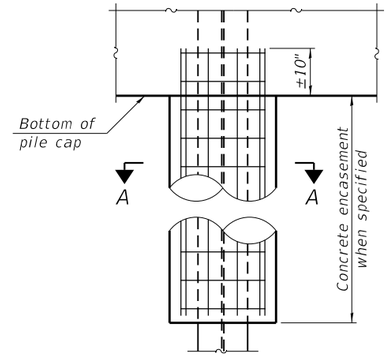
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

* Interrupt welds ¼" from end of web and/or each flange.

** Remove portions of backup plates that extend outside the flanges.

*** Weld size per pile shoe manufacturer (5/16" min.).



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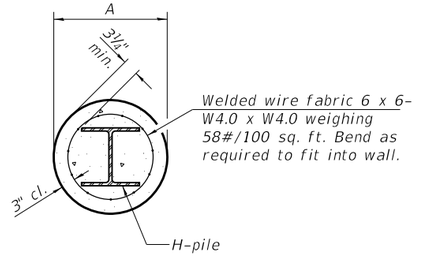
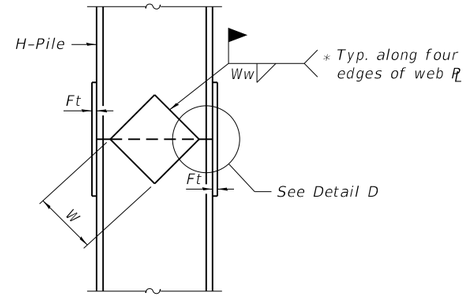


SECTION A-A

INDIVIDUAL PILE CONCRETE ENCASEMENT

(Forms for encasement may be omitted when soil conditions permit).



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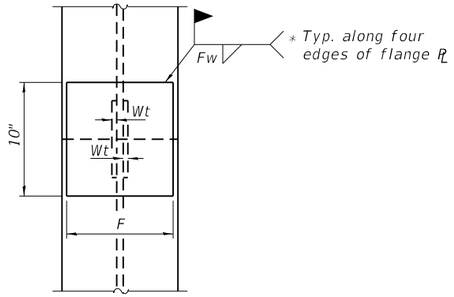
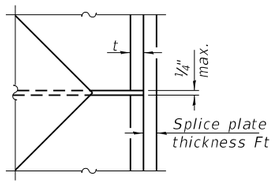


END VIEW



DETAIL D

Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12½"	1"	⅞"	7¾"	⅝"	½"
x102	12½"	⅞"	¾"	7¾"	⅝"	½"
x89	12½"	¾"	11/16"	7¾"	⅝"	½"
x73	12½"	⅝"	9/16"	7¾"	⅝"	½"
HP 12x84	10"	⅞"	11/16"	6½"	⅝"	½"
x74	10"	⅞"	11/16"	6½"	⅝"	½"
x63	10"	⅝"	½"	6½"	½"	⅜"
x53	10"	⅝"	½"	6½"	½"	⅜"
HP 10x57	8"	¾"	9/16"	5¼"	½"	⅜"
x42	8"	⅝"	9/16"	5¼"	½"	⅜"
HP 8x36	7"	⅝"	7/16"	4¼"	½"	⅜"

WELDED PLATE FIELD SPLICE

F-HP 8-11-2017

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HP PILE DETAILS
STRUCTURE NO. 021-0063
SHEET 33 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	91
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

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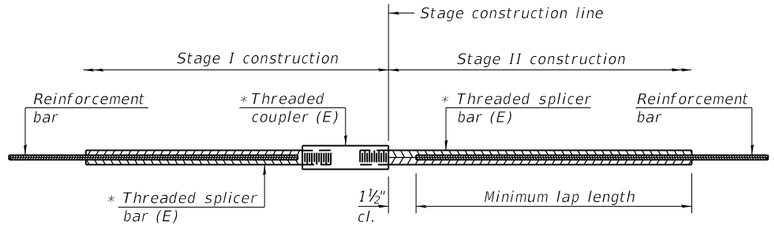
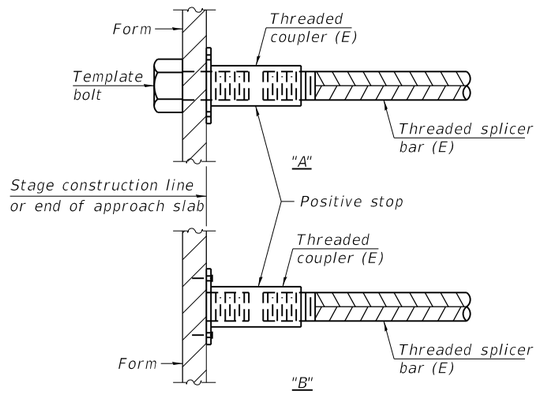


STANDARD BAR SPLICER ASSEMBLY

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

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

Location	Bar size	No. assemblies required	Minimum lap length
Top of Slab	#5	566	3'-1"
Bottom of Slab	#5	346	3'-6"
S. Abut. Diaph. F.F.	#6	3	3'-4"
S. Abut. Diaph. B.F.	#6	4	4'-4"
N. Abut. Diaph. F.F.	#6	3	3'-4"
N. Abut. Diaph. B.F.	#6	4	4'-4"
S. Approach C.W.S.	#4	31	2'-5"
N. Approach C.W.S.	#4	31	2'-5"
S. Approach Footing	#5	40	3'-2"
N. Approach Footing	#5	40	3'-2"
S. Abut. Cap	#8	10	5'-9"
N. Abut. Cap	#8	10	5'-9"
Pier 1 Cap	#8	10	5'-9"
Pier 1 Wall	#5	28	3'-7"
Pier 2 Cap	#8	10	5'-9"
Pier 2 Wall	#5	28	3'-7"
Pier 3 Cap	#8	10	5'-9"
Pier 3 Wall	#5	28	3'-7"



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.

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 for alternatives.

F.F. denotes Front Face, B.F. denotes Back Face.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY
STRUCTURE NO. 021-0063
SHEET 34 OF 38 SHEETS

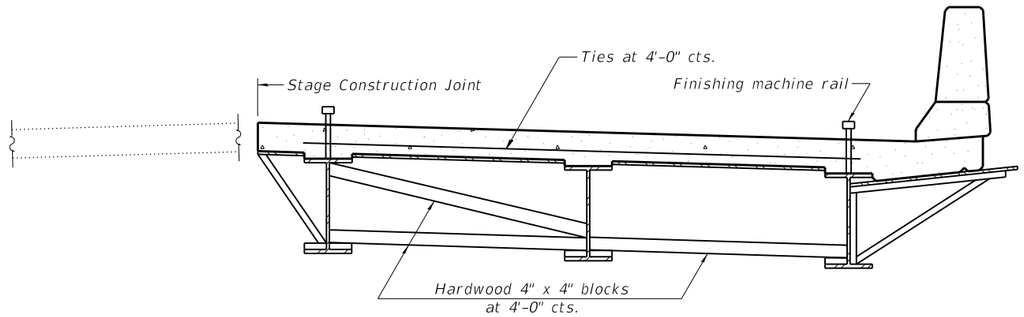
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	92
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

When cantilever forming brackets are used, the work shall be done according to Article 503.06(b) of the Standard Specifications, except as modified below and in the details shown on this sheet.

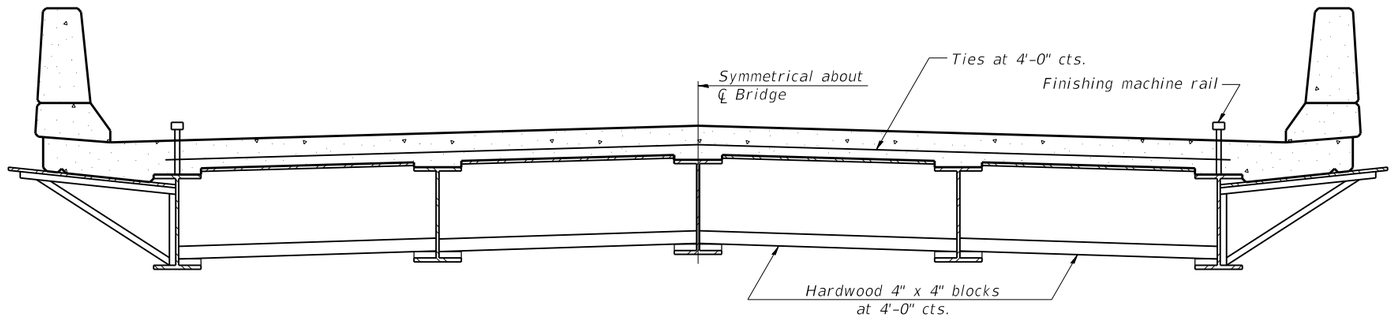
The finishing machine rails shall be placed on the top flange of the exterior beams.

The beams or girders, supporting cantilever forming brackets, shall be tied together at 4 foot intervals.

For Standard construction, or Stage Construction the Hardwood bracing materials shall be placed as shown between webs of beams in each bay.



FORM BRACES FOR
STAGE CONSTRUCTION



FORM BRACES FOR
STANDARD CONSTRUCTION

SB-1

2-17-2017

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	PLOT SCALE =	DRAWN - BJV	REVISED -		
	PLOT DATE =	CHECKED - GBR	REVISED -		SHEET 35 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	93
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

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Illinois Department of Transportation
Division of Highways
State of Illinois

SOIL BORING LOG

Date 12/3/14

ROUTE FAP 808 (IL 130) DESCRIPTION IL 130 over the Embarras River in Villa Grove LOGGED BY CNA

SECTION (12B-15D) BR LOCATION SE, SEC. 3, TWP. 16N, RNG. 9E, 3rd PM., GPS: 39.86705N,-88.160341W

COUNTY Douglas DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 021-0028E/0063P
Station 273+22

BORING NO. 1 NE Abut.
Station 274+16
Offset 17.00ft Rt.
Ground Surface Elev. 647.7 ft

Surface Water Elev. 648.4 ft
Stream Bed Elev. 648.4 ft

Groundwater Elev.:
First Encounter 613.2 ft ▼
Upon Completion N/A ft
After Hrs. Plugged ft

DEPTH (ft)	SPT N (/12")	UCS Qu (tsf)	MOIST (%)
Black to Brown/Gray (Mixed) SILTY CLAY LOAM (Embankment)			
	3		
-5	3 6	2.7 B	18
	2		
-10	4 5	2.1 B	18
	2		
-15	3 4	1.2 B	21
632.20 Gray CLAY LOAM			
	2		
	3 3	0.9 B	22
629.70 Brown/Gray Mottled SILTY CLAY to SILTY CLAY LOAM (Alluvium)			
	2		
-20	3 2	0.2 B	26
626.70 Brown/Gray Mottled SILTY CLAY to SILTY CLAY LOAM (Alluvium) *(continued)*			
	6		
Gray to Gray/Brown CLAY LOAM TILL	7 9	4.9 B	12
	4		
-25	6 8	3.5 E	13
	6		
619.70 Brown SANDY CLAY LOAM TILL	11 14	4.7 B	14
	5		
-30	7 10	3.3 B	14
	10		
613.20 ▼	32		12
Brown SANDY CLAY LOAM to SAND LOAM TILL with Intermittent Fine Dense Sand Seams	28		
	21		
-40	26 50-5"		22

SOIL BORING 021-0028E_0063P.GPJ IL_DOT.GDT 12/9/14

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

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
State of Illinois

SOIL BORING LOG

Date 12/3/14

ROUTE FAP 808 (IL 130) DESCRIPTION IL 130 over the Embarras River in Villa Grove LOGGED BY CNA

SECTION (12B-15D) BR LOCATION SE, SEC. 3, TWP. 16N, RNG. 9E, 3rd PM., GPS: 39.86705N,-88.160341W

COUNTY Douglas DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 021-0028E/0063P
Station 273+22

BORING NO. 1 NE Abut.
Station 274+16
Offset 17.00ft Rt.
Ground Surface Elev. 647.7 ft

Surface Water Elev. 648.4 ft
Stream Bed Elev. 648.4 ft

Groundwater Elev.:
First Encounter 613.2 ft ▼
Upon Completion N/A ft
After Hrs. Plugged ft

DEPTH (ft)	SPT N (/12")	UCS Qu (tsf)	MOIST (%)
Brown SANDY CLAY LOAM to SAND LOAM TILL with Intermittent Fine Dense Sand Seams *(continued)*			
604.70 Gray to Gray/Brown CLAY LOAM TILL	10		
	26	7.9	23
-45 602.70	30	S	
End of Boring			
-50			
-55			
-60			

SOIL BORING 021-0028E_0063P.GPJ IL_DOT.GDT 12/9/14

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

BBS, from 137 (Rev. 8-99)

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 021-0063
SHEET 36 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	94
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

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Division of Highways
State of Illinois

SOIL BORING LOG

Date 12/2/14

ROUTE FAP 808 (IL 130) DESCRIPTION IL 130 over the Embarras River in Villa Grove LOGGED BY CNA

SECTION (12B-15D) BR LOCATION SE, SEC. 3, TWP. 16N, RNG. 9E, 3rd PM., GPS: 39.866571N,-88.160424W

COUNTY Douglas DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 021-0028E/0063P
Station 273+22

BORING NO. 2 SW Pier
Station 272+30
Offset 10.00ft Lt.
Ground Surface Elev. 647.4 ft

Surface Water Elev. 648.4 ft
Stream Bed Elev. 648.4 ft

Groundwater Elev.:
First Encounter 627.4 ft ▼
Upon Completion Wash Bored ft
After Hrs. Plugged ft

DEPTH (ft)	SPT N (/12")	UCS Qu (tsf)	MOIST (%)	Material
647.40				Pavement
645.40				Black SILTY CLAY LOAM (Embankment)
-5	2 3 3			
-10	4 5	1.6 B	20	
635.40	2 3			
633.40	2			Black SILTY CLAY with Trace Organics (Alluvium)
-15	3 5	1.2 B	28	Green/Gray CLAY LOAM
631.40	1			Green/Gray/Black Mottled SILTY CLAY with Trace of Fine Sand
-20 ▼	2 2		26	
627.40	1 2 2		24	
624.40	1 2 2			Green/Gray Dirty COARSE SAND with Gravel
-25	4 4 7			Gray Dirty COARSE SAND with Small Gravel
619.40	5			
-30	8 14	1.9 B	15	Brown to Gray SANDY CLAY LOAM TILL
613.90	50-5"		11	Brown SAND LOAM TILL with Large Gravel
-35	30			
611.40	50-5"		9	Brown SANDY CLAY LOAM TILL with Intermittent Dense Silt / Sand Seams
-40				

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

BBS, from 137 (Rev. 8-99)

SOIL BORING 021-0028E_006P.GPJ IL_DOT.GDT 12/9/14

Illinois Department of Transportation
Division of Highways
State of Illinois

SOIL BORING LOG

Date 12/2/14

ROUTE FAP 808 (IL 130) DESCRIPTION IL 130 over the Embarras River in Villa Grove LOGGED BY CNA

SECTION (12B-15D) BR LOCATION SE, SEC. 3, TWP. 16N, RNG. 9E, 3rd PM., GPS: 39.866571N,-88.160424W

COUNTY Douglas DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 021-0028E/0063P
Station 273+22

BORING NO. 2 SW Pier
Station 272+30
Offset 10.00ft Lt.
Ground Surface Elev. 647.4 ft

Surface Water Elev. 648.4 ft
Stream Bed Elev. 648.4 ft

Groundwater Elev.:
First Encounter 627.4 ft ▼
Upon Completion Wash Bored ft
After Hrs. Plugged ft

DEPTH (ft)	SPT N (/12")	UCS Qu (tsf)	MOIST (%)	Material
				Brown SANDY CLAY LOAM TILL with Intermittent Dense Silt / Sand Seams *(continued)*
	30			(Last 5' Drilled Very Hard - Approaching Auger Refusal)
602.40 -45	48 50-5"		11	
				End of Boring
-50				
-55				
-60				

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

BBS, from 137 (Rev. 8-99)

SOIL BORING 021-0028E_006P.GPJ IL_DOT.GDT 12/9/14

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PLOT DATE =	CHECKED - GBR	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 021–0063
SHEET 37 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	95
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
State of Illinois

SOIL BORING LOG

Date 12/3/14

ROUTE FAP 808 (IL 130) **DESCRIPTION** IL 130 over the Embarras River in Villa Grove **LOGGED BY** CNA

SECTION (12B-15D) BR **LOCATION** SE, **SEC.** 3, **TWP.** 16N, **RNG.** 9E, 3rd **PM.**, **GPS:** 39.866370N,-88.160327W

COUNTY Douglas **DRILLING METHOD** Hollow Stem Auger **HAMMER TYPE** Automatic

STRUCT. NO. 021-0028E/0063P
Station 273+22

BORING NO. 3 SE Abut.
Station 271+58
Offset 18.00ft Rt.
Ground Surface Elev. 647.8 ft

Surface Water Elev. 648.4 ft
Stream Bed Elev. 648.4 ft

Groundwater Elev.:
First Encounter 624.8 ft ▼
Upon Completion Wash Bored ft
After Hrs. Plugged ft

DEPTH (ft)	SPT N (/12")	UCS Qu (tsf)	MOIST (%)
647.80 Black/Gray SILTY CLAY (Embankment)			
	3		
643.80 Brown COARSE SAND (Trench Backfill)	3		
-5	3		
640.80 Black/Gray SILTY CLAY (Embankment)			
	2		
-10	3 5		
	2		
	3 5	2.1 B	25
633.30 Black SILTY CLAY LOAM to LOAM (Alluvium)	2		
-15	3 5	1.2 B	25
	2		
630.80 Gray/Brown SILTY CLAY with Trace of Sand	3 5	0.8 B	
	1		
-20	2 1	0.2 B	25
Gray/Brown SILTY CLAY with Trace of Sand *(continued)*			
625.80	0		
Gray to Brown FINE SAND	0 2		
623.80	2		
Gray MEDIUM SAND with Gravel	2 6		
-25 620.80 Brown to Gray/Brown SAND LOAM TILL with Intermittent Dense Sand & Gravel Seams			
	17		
-30	17 20		
	21		
-35	20 50-5"		
	45		
-40	50-4"		

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

BBS, from 137 (Rev. 8-99)

SOIL BORING 021-0028E_0063P.GPJ IL_DOT.GDT 12/9/14

Illinois Department of Transportation
Division of Highways
State of Illinois

SOIL BORING LOG

Date 12/3/14

ROUTE FAP 808 (IL 130) **DESCRIPTION** IL 130 over the Embarras River in Villa Grove **LOGGED BY** CNA

SECTION (12B-15D) BR **LOCATION** SE, **SEC.** 3, **TWP.** 16N, **RNG.** 9E, 3rd **PM.**, **GPS:** 39.866370N,-88.160327W

COUNTY Douglas **DRILLING METHOD** Hollow Stem Auger **HAMMER TYPE** Automatic

STRUCT. NO. 021-0028E/0063P
Station 273+22

BORING NO. 3 SE Abut.
Station 271+58
Offset 18.00ft Rt.
Ground Surface Elev. 647.8 ft

Surface Water Elev. 648.4 ft
Stream Bed Elev. 648.4 ft

Groundwater Elev.:
First Encounter 624.8 ft ▼
Upon Completion Wash Bored ft
After Hrs. Plugged ft

DEPTH (ft)	SPT N (/12")	UCS Qu (tsf)	MOIST (%)
Brown to Gray/Brown SAND LOAM TILL with Intermittent Dense Sand & Gravel Seams *(continued)*			
(Last 5' Drilled Very Hard - Approaching Auger Refusal)	36		
-45 602.80	50-5"		
End of Boring			
-50			
-55			
-60			

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

BBS, from 137 (Rev. 8-99)

SOIL BORING 021-0028E_0063P.GPJ IL_DOT.GDT 12/9/14

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6/20/2019 2:09:18 PM

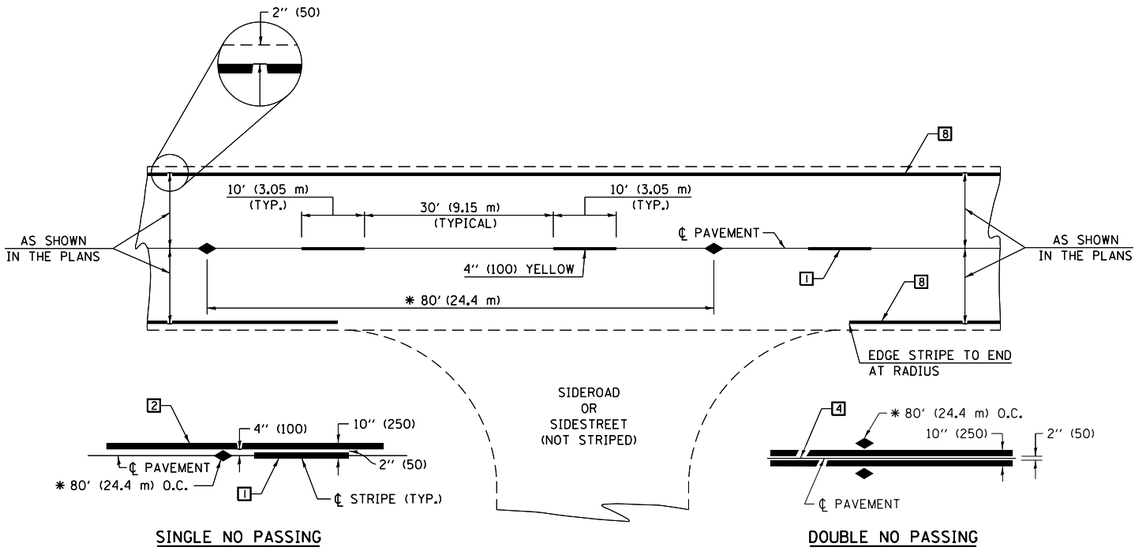
BACON | FARMER | WORKMAN ENGINEERING & TESTING, INC.
403 NORTH COURT STREET
MARION, ILLINOIS 62959
PHONE - 618.997.9190

USER NAME =	DESIGNED - GBR	REVISED -	
	CHECKED - CMV	REVISED -	
PLOT SCALE =	DRAWN - BJV	REVISED -	
PLOT DATE =	CHECKED - GBR	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS
STRUCTURE NO. 021–0063
SHEET 38 OF 38 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	96
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		



SINGLE NO PASSING

DOUBLE NO PASSING

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

TWO LANE/TWO WAY

TYPICAL PAVEMENT MARKING LEGEND

1 4" (100) SKIP-DASH (YELLOW)

2 4" (100) SOLID (YELLOW)

3 12" (300) DIAGONAL (YELLOW)

4 4" (100) DOUBLE YELLOW (NARROW)

5 RESERVED

6 RESERVED

7 4" (100) SKIP-DASH (WHITE)

8 4" (100) SOLID (WHITE)

9 12" (300) DIAGONAL (WHITE)

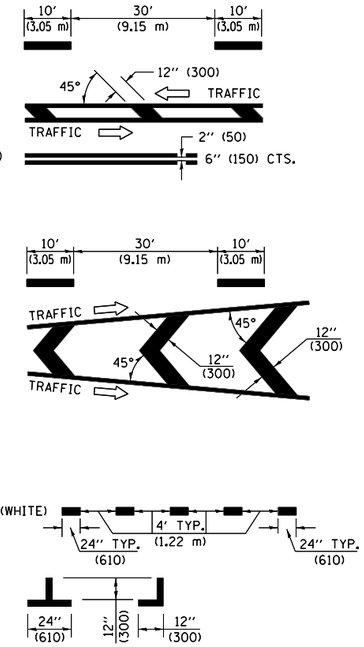
10 6" (150) SOLID (WHITE)

11 24" (600) STOP BAR (WHITE)

12 8" (200) SOLID (WHITE)

13 4" (100) LANE LINE EXTENSIONS (WHITE)

14 4" (100) PARKING WHITE



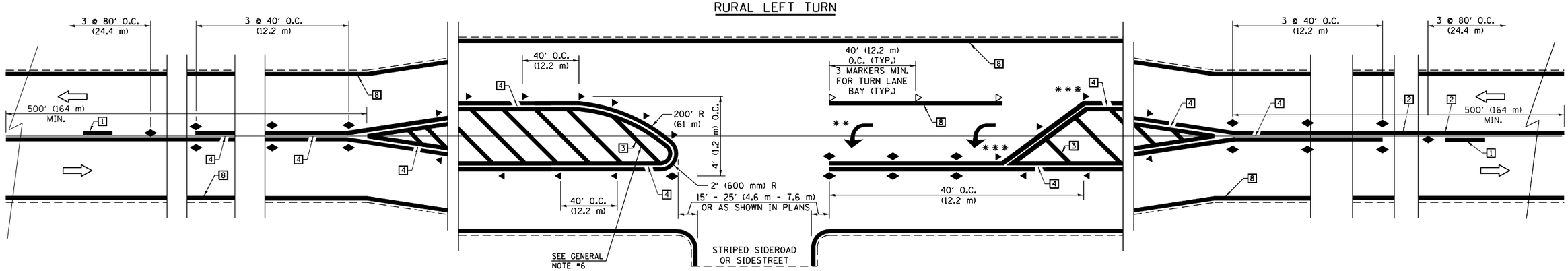
TYPICAL PAVEMENT MARKERS LEGEND

◆ TWO-WAY AMBER MARKER

▶ ONE-WAY AMBER MARKER

▷ ONE-WAY CRYSTAL MARKER

RURAL LEFT TURN



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

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

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

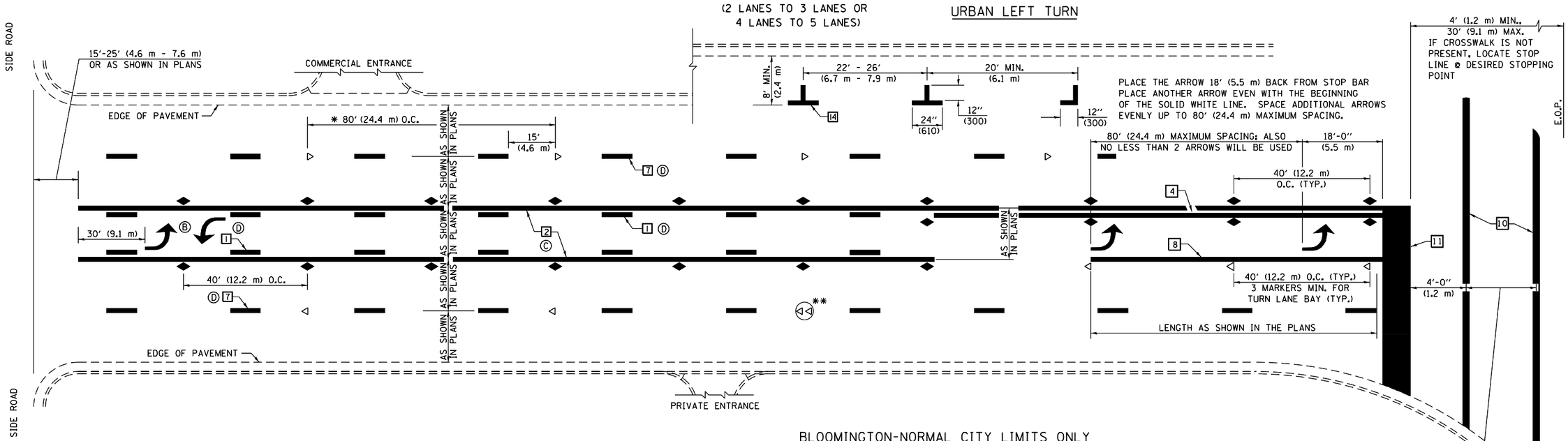
DISTRICT 5 DETAIL NO. 7800AAAA

USER NAME = bemery	DESIGNED -	REVISED - 11/06	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)**	
	DRAWN -	REVISED - 09/2009 - KJT			
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -		SCALE: N.T.S.	SHEET NO. 1 OF 4 SHEETS STA. TO STA.
PLOT DATE = 5/24/2019 - 12:07:54 PM	DATE -	REVISED -			

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	97
		CONTRACT NO. 70545		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
FILE NAME: ...\D570545-sht-detail.dgn

URBAN LEFT TURN



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

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

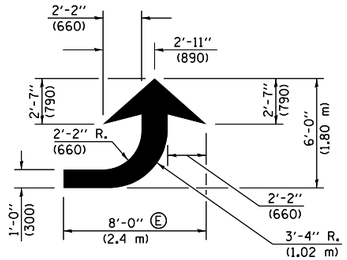
GENERAL NOTES:

Ⓑ TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.

Ⓒ THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.

Ⓓ THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ON SHEET 2 OF 3.

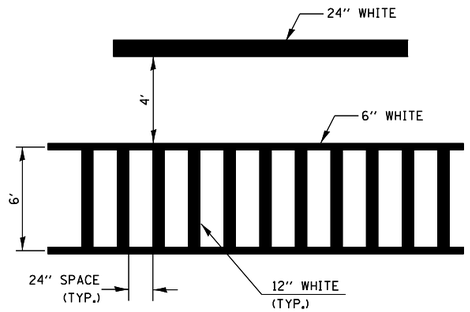
Ⓔ USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)



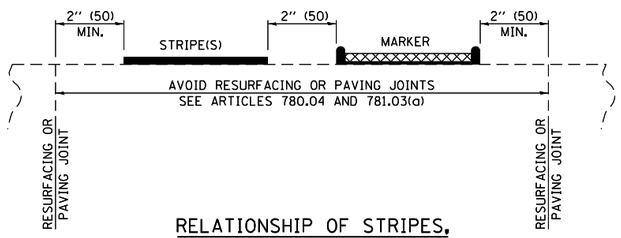
LEFT ARROW

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

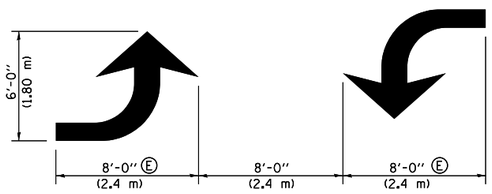
BLOOMINGTON-NORMAL CITY LIMITS ONLY



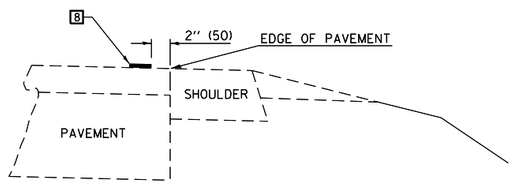
TYPICAL SPACING FOR
CROSSWALKS & STOP BARS



RELATIONSHIP OF STRIPES,
MARKERS AND JOINTS



TYPICAL DOUBLE
TURN ARROWS (WHITE)



RELATIONSHIP OF EDGE LINE TO EDGE OF PAVEMENT

(SAFETY SHOULDER OR PAVED SURFACE)
SEE ARTICLE 780.04

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

DISTRICT 5 DETAIL NO. 7800AAAA

USER NAME = bemery	DESIGNED -	REVISED - 11/06	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND MARKERS (RURAL & URBAN APPLICATIONS)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED - 09/2009 - KJT			808	(12B-15D)BR	DOUGLAS	120	98
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 70545		
PLOT DATE = 5/24/2019 - 12:07:54 PM	DATE -	REVISED -		SCALE: N.T.S. SHEET NO. 2 OF 4 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		

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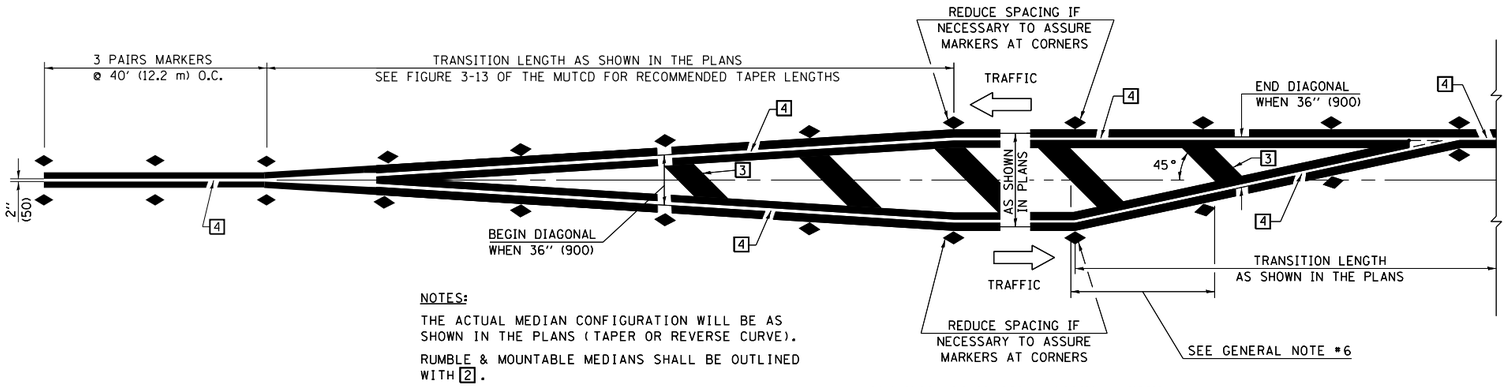


NOTES:

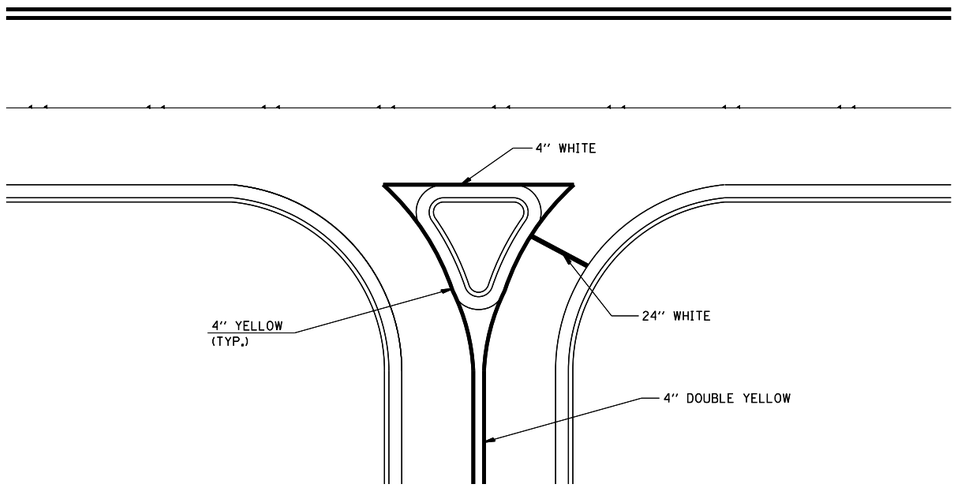
THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).

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

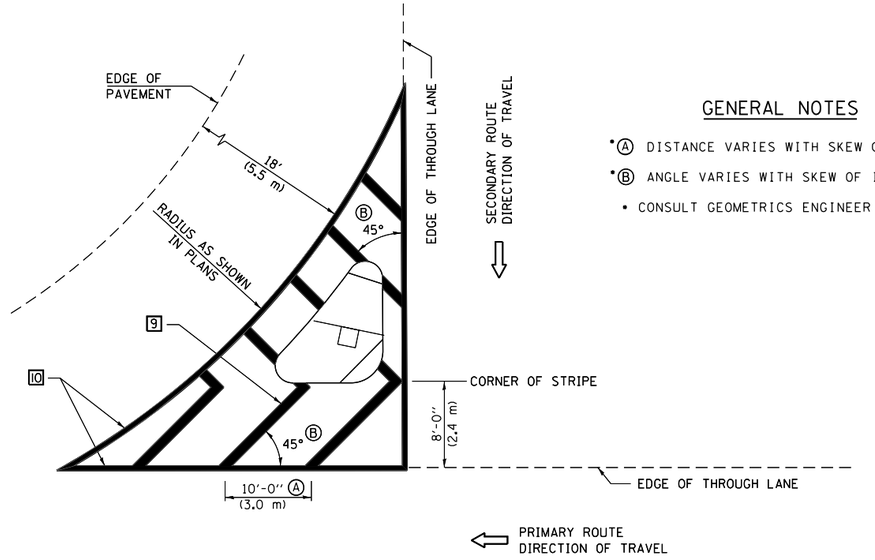
TYPICAL MEDIAN TRANSITIONS

GENERAL NOTES

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,
   < 30 MPH USE 15' (< 50 km/h USE 4.5 m)
   30-45 MPH USE 20' (50-75 km/h USE 6.0 m)
   >45 MPH USE 30' (>75 km/h USE 9.0 m)



RIGHT IN - RIGHT OUT ACCESS



GENERAL NOTES

*Ⓐ DISTANCE VARIES WITH SKEW OF INTERSECTION.

*Ⓑ ANGLE VARIES WITH SKEW OF INTERSECTION.

• CONSULT GEOMETRICS ENGINEER

ISLAND

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

DISTRICT 5 DETAIL NO. 7800AAAA

USER NAME = bemery	DESIGNED -	REVISED -	11/06
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PLOT DATE = 5/24/2019 - 12:07:55 PM	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	99
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

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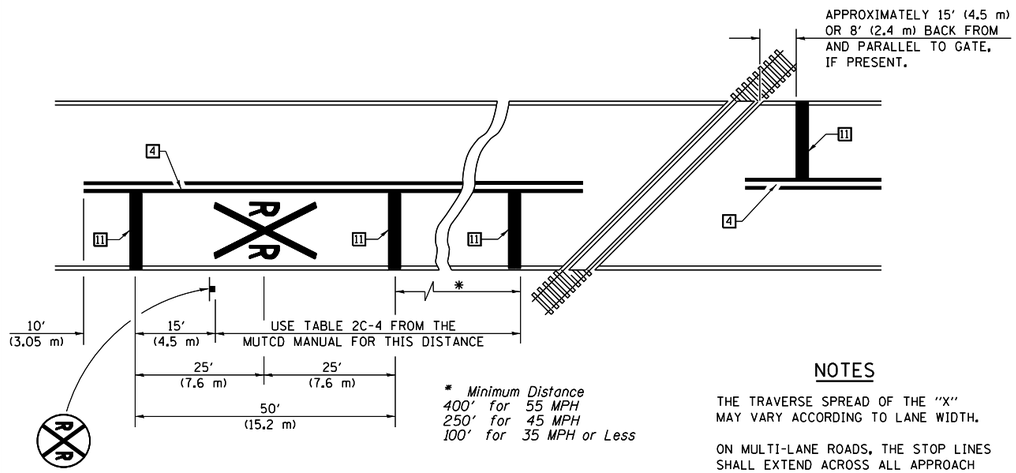


PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

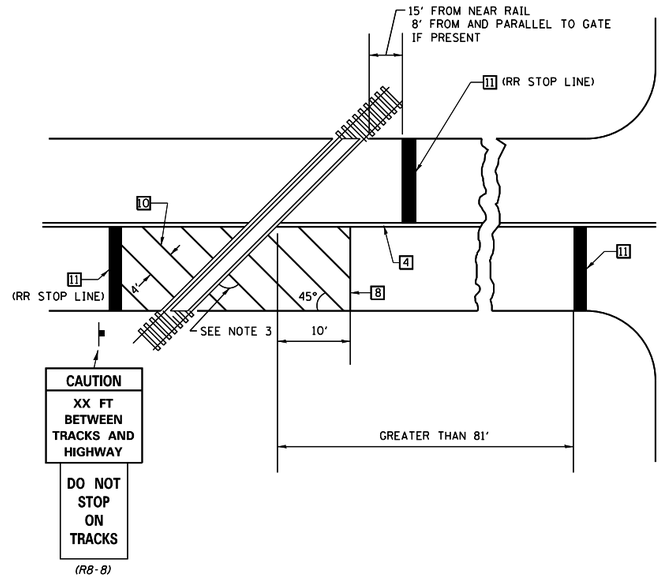
NOTES

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

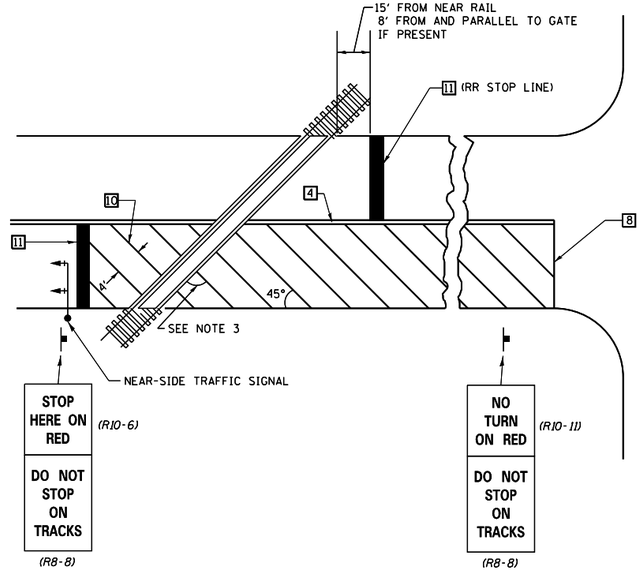
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

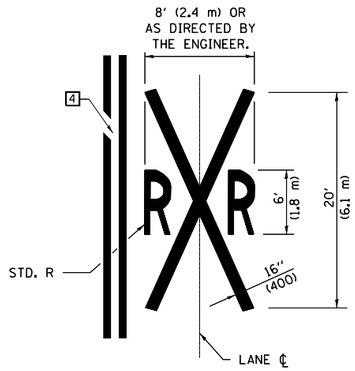
RAILROAD CROSSING WITH INTERCONNECT ONLY



RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING



GENERAL NOTES

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

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

DISTRICT 5 DETAIL NO. 7800AAAA

USER NAME = bemery	DESIGNED -	REVISED -	11/06
	DRAWN -	REVISED -	09/2009 - KJT
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS
(RURAL & URBAN APPLICATIONS)

SCALE: N.T.S. | SHEET NO. 4 OF 4 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	100
		CONTRACT NO. 70545		
		ILLINOIS FED. AID PROJECT		

MODEL: Default
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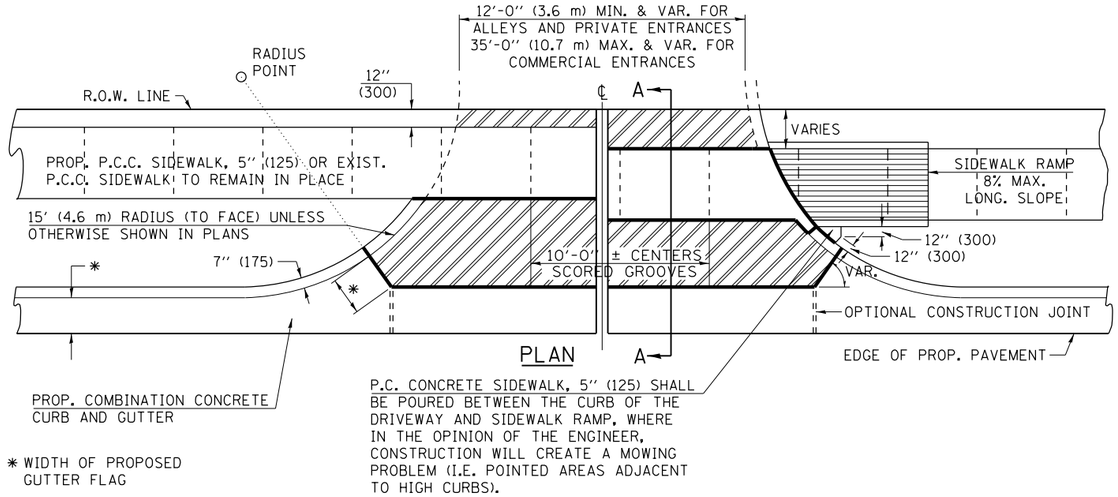
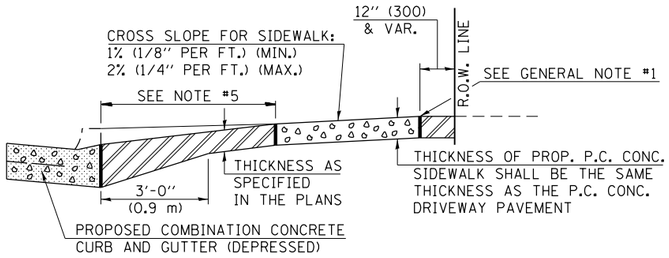
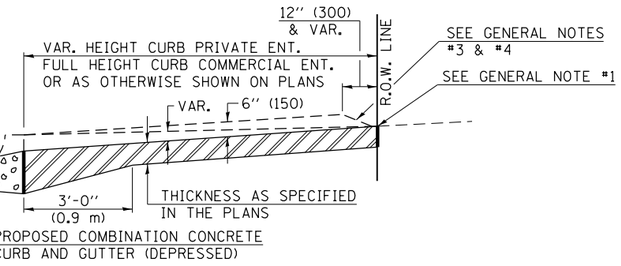


NOTE: SIDEWALK RAMPS SHALL BE CONSTRUCTED AT COMMERCIAL ENTRANCES. AT PRIVATE ENTRANCES RAMPS SHALL USUALLY BE NEEDED WHERE NARROW BOULEVARDS OR RADII GREATER THAN 15' (4.6 m) ARE CONSTRUCTED. THE BACK CURB RAMPS AT PRIVATE ENTRANCES MAY BE ELIMINATED IF GRADING CAN BE ACCOMPLISHED WITHOUT THE CURB.

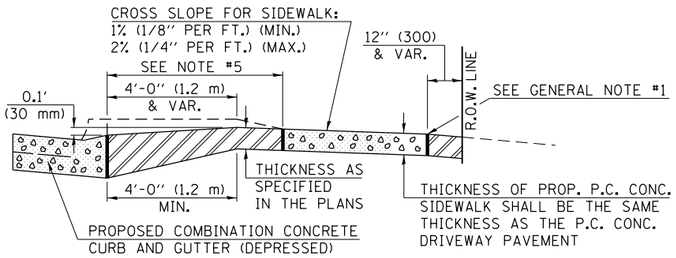
NOTE: THE ENTRANCE WIDTHS SHOWN ON THE PLANS SHALL BE INTERPRETED TO BE THE WIDTHS AT THE COMPLETED RADIUS, WHICH MAY BE LOCATED BEHIND THE R.O.W. LINE.



SECTION A-A WITH POSITIVE GRADE



SECTION A-A WITHOUT SIDEWALK



SECTION A-A WITH NEGATIVE GRADE

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

LEGEND

PROP. P.C. CONCRETE DRIVEWAY PAVEMENT

LONGITUDINAL CURB EXPANSION JOINT

GENERAL NOTES

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

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

DESIGNER NOTE:

MODEL: Default
FILE NAME: ...\D5705045-dht-details.dgn

USER NAME = bemery	DESIGNED -	REVISED -	11/06 TJB
	DRAWN -	REVISED -	09/07 KAG
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 5/24/2019 - 12:07:56 PM	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY PAVEMENT (PCC) (NON & COMMERCIAL URBAN)

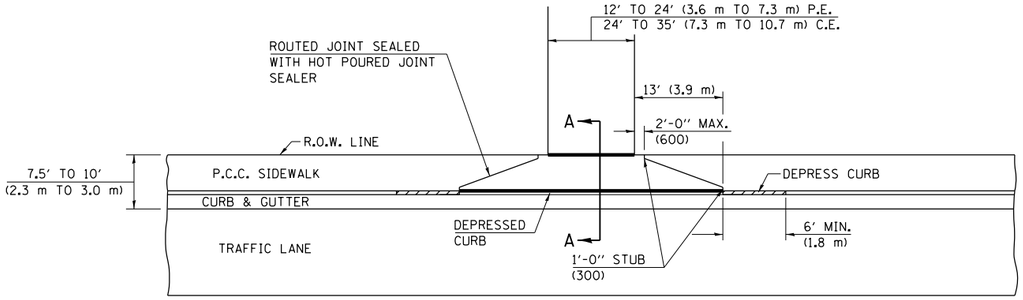
SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

DISTRICT 5 DETAIL NO. 42300AAA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	101
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			

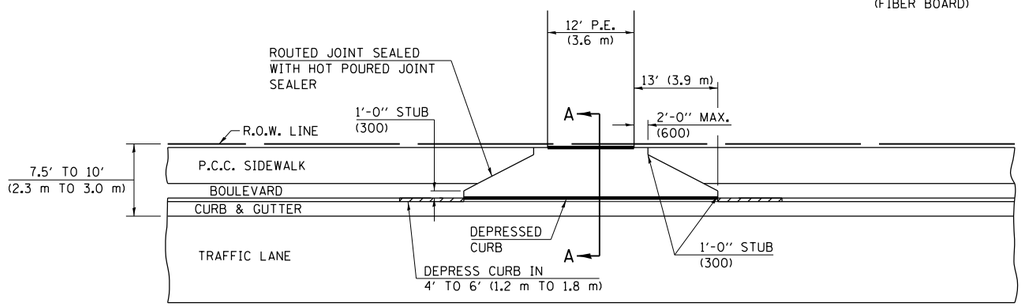
NON-COMMERCIAL AND COMMERCIAL URBAN

(WITH 0′ TO 2 1/2′ (0 mm TO 760 mm) FROM BACK OF CURB TO SIDEWALK)

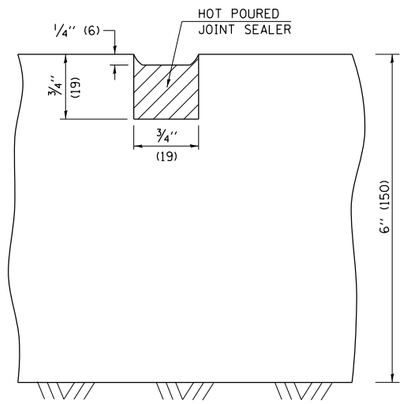


PLAN WITHOUT BOULEVARD

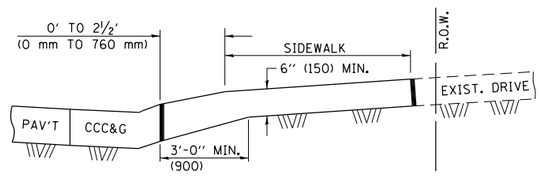
PREFORMED EXPANSION JOINT (FIBER BOARD)



PLAN WITH BOULEVARD



DETAIL OF SAWED OR ROUTED JOINT



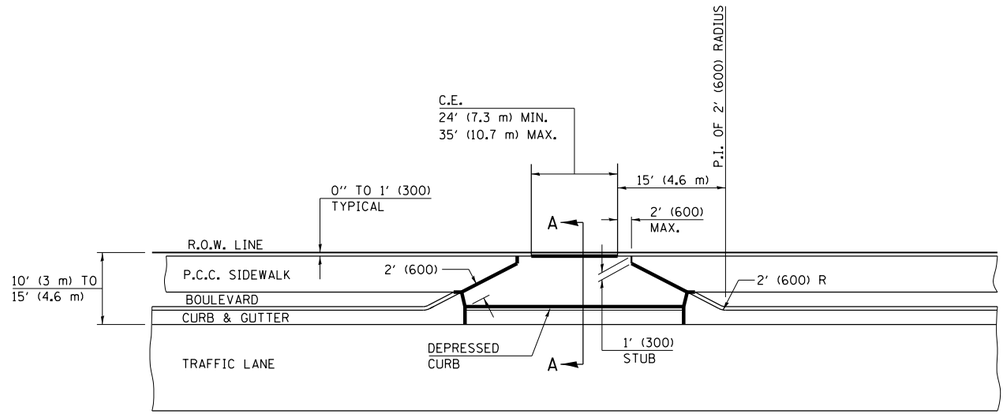
SECTION A-A

THICKEN SIDEWALK TO 6″ (150 mm) (MIN.) WITHIN LIMITS OF DEPRESSED CURB.

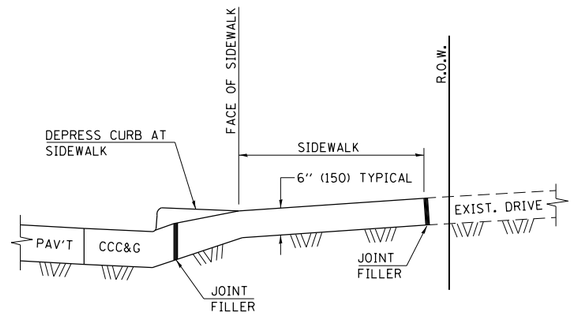
GENERAL NOTES

1. THIS LONGITUDINAL CURB EXPANSION JOINT SHALL BE PLACED ONLY WHERE THE PROPOSED P.C. CONCRETE SIDEWALK OR DRIVEWAY PAVEMENT MEETS AN EXISTING CONCRETE ENTRANCE.
2. THE LONGITUDINAL CURB EXPANSION JOINT SHALL CONFORM TO SECTION 1051 OF THE STANDARD SPECIFICATIONS.
3. THICKEN SIDEWALK FROM 5″ TO 6″ (127 mm TO 150 mm) WITHIN DRIVEWAY LIMITS OF DRIVEWAY.

10′ TO 15′ (3 m TO 4.6 m) FROM TRAVELLED LANE TO RIGHT OF WAY



PREFORMED EXPANSION JOINT (FIBER BOARD)



SECTION A-A
WITH SIDEWALK

NOTE: WHEN EXISTING SIDEWALK IS TO REMAIN IN PLACE, THE JOINT FILLER IS TO BE PLACED AT THE FACE OF SIDEWALK.

NOTE: THICKEN SIDEWALK FROM 5″ (125) TO 6″ (150) WITHIN LIMITS OF DRIVEWAY FLARE [15′ (4.6 m) EITHER SIDE OF DRIVEWAY].

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

DESIGNER NOTE:

FOR C.E. WITH DISTANCE FROM EDGE OF TRAVELLED LANE BETWEEN 15′ (4.6 m) AND 17′ (5.2 m) USE 15′ (4.6 m) OR 20′ (6.1 m) RADIUS AND TRUNCATE AT BACK OF SIDEWALK.

FOR P.E. WITH DISTANCE FROM EDGE OF TRAVEL LANE TO R.O.W. BETWEEN 10′ AND 17′ (3.0 m TO 5.2 m) USE 15′ (4.6 m) RADIUS AND TRUNCATE AT BACK OF SIDEWALK.

SEE PLAN PREPARATION MEMORANDUM 40-09

MODEL: Default
FILE NAME: ...\D570545-sht-details.dgn

USER NAME = bemery	DESIGNED -	REVISED -	11/06
	DRAWN -	REVISED -	06/10
PLOT SCALE = 40.0000 ′ / in.	CHECKED -	REVISED -	
PLOT DATE = 5/24/2019 - 12:07:56 PM	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ENTRANCES WITH NARROW R.O.W.

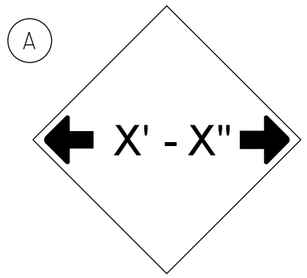
SCALE: N.T.S. | SHEET OF SHEETS | STA. TO STA.

DISTRICT 5 DETAIL NO. 42300BBB

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	102
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			

DESIGNER NOTE: PROVIDE MAP WITH SIGN LOCATIONS (A, B, ETC.) AND COORDINATE WITH TRAFFIC OPERATIONS ENGINEER.

INCLUDE DISTRICT SPECIAL PROVISION -"WIDTH RESTRICTION SIGNING"

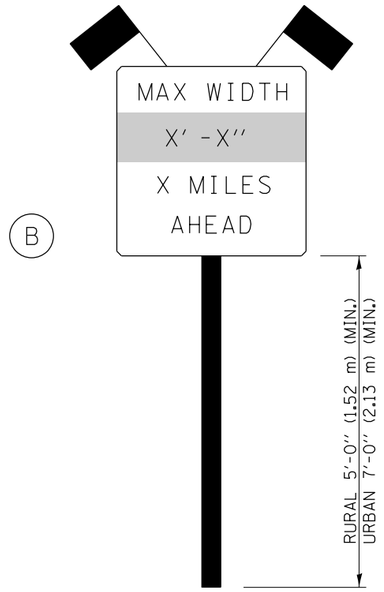


W12-2(0)-48"x48"(1200x1200)

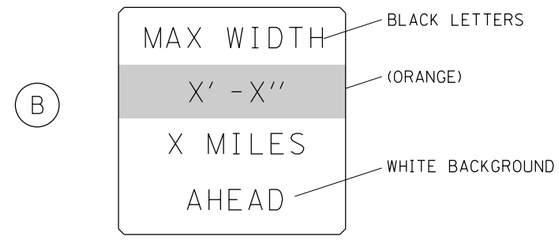
STAGE 1: 10'-6"
STAGE 2: 11'-6"

SIGN (A) W12-2(0)-48"x48"(1200x1200) ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

SIGN (B) (SIGN PANEL, TYPE II) AS SHOWN ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.



SIGN PANEL, TYPE II



W12-I103(0)-48"x48"(1200x1200)
"D" LETTERS/NUMBERS

STAGE 1: 10'-6"
STAGE 2: 11'-6"

GENERAL NOTES

1. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
2. ALL (B) SIGNS SHALL HAVE FLAGS INSTALLED UNLESS OTHERWISE DIRECTED.
3. LOCATIONS OF TRAFFIC CONTROL DEVICES MAY BE ADJUSTED BY THE ENGINEER.
4. ALL TRAFFIC CONTROL SHOWN ON THIS SHEET SHALL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR WIDTH RESTRICTION SIGNING.
5. ALL SIGNS SHALL BE POST MOUNTED UNLESS OTHERWISE DIRECTED.
6. ALL SIGNS SHOWN ORANGE (O) SHALL BE FLUORESCENT ORANGE.
7. ALL SIGNS SHOWN SHALL CONSIST OF THE CURRENT RETROREFLECTIVE SHEETING REQUIREMENTS AS OUTLINED IN SECTION 1106.01 OF THE STANDARD SPECIFICATIONS BOOK.

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

DISTRICT 5 DETAIL NO. X7200201

USER NAME = bemery	DESIGNED -	REVISED -	03/11 - KJT
	DRAWN -	REVISED -	05/08
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	10/08 - KJT
PLOT DATE = 5/24/2019 - 12:07:56 PM	DATE -	REVISED -	07/09 - KJT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIDTH RESTRICTION SIGNING

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	103
		CONTRACT NO. 70545		
		ILLINOIS	FED. AID PROJECT	

MODEL: Default
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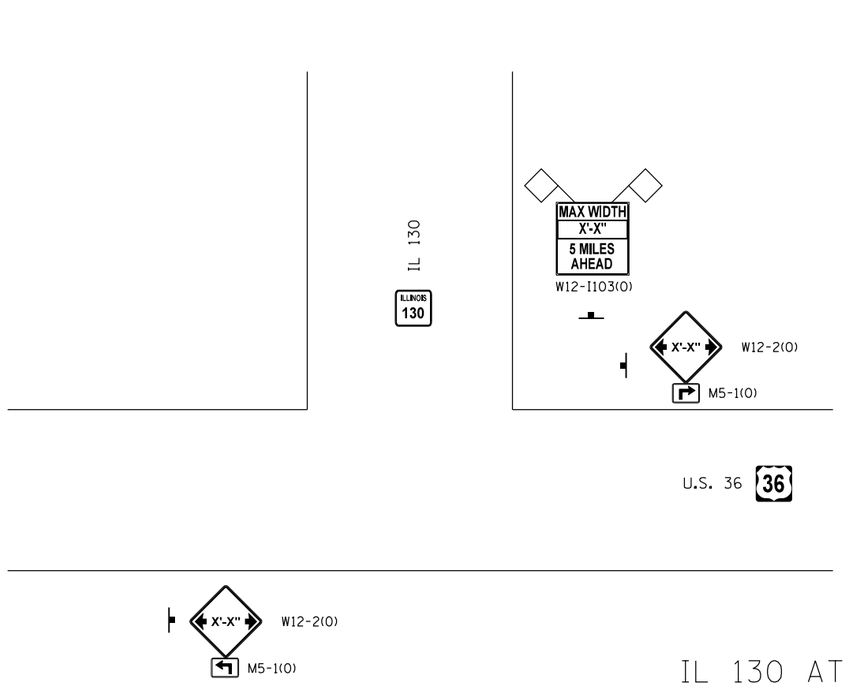
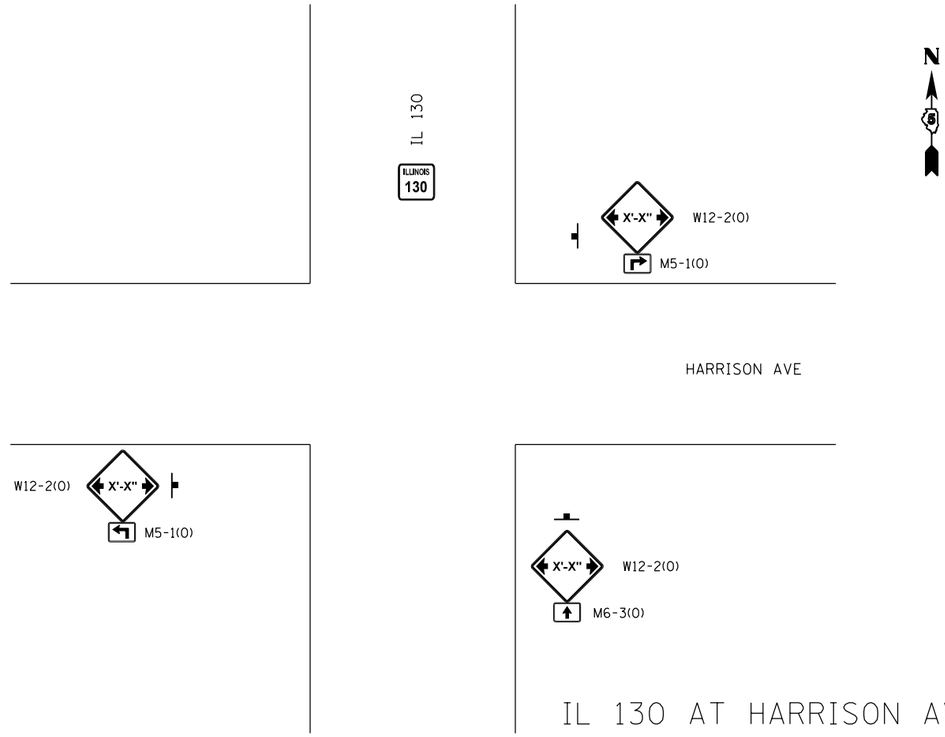
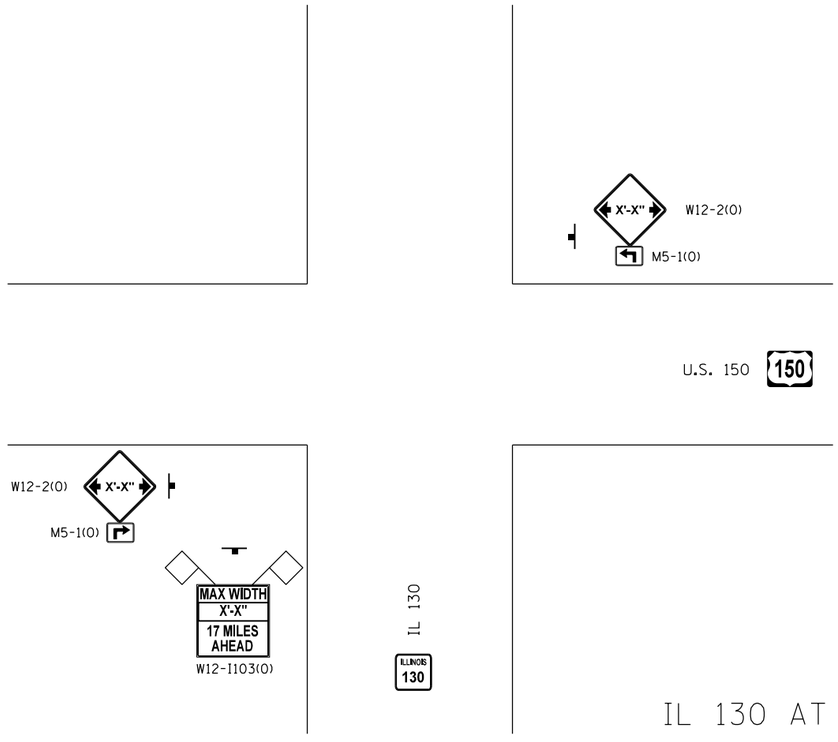


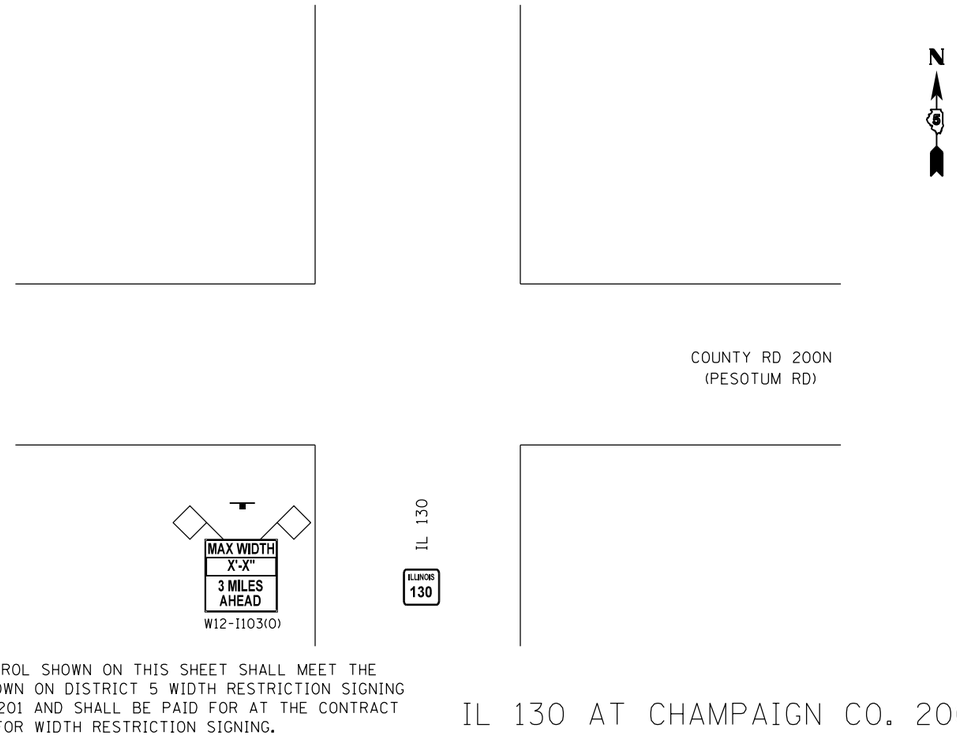
IL 130 AT U.S. 36



IL 130 AT HARRISON AVE.



IL 130 AT U.S. 150



NOTES

ALL TRAFFIC CONTROL SHOWN ON THIS SHEET SHALL MEET THE REQUIREMENTS SHOWN ON DISTRICT 5 WIDTH RESTRICTION SIGNING DETAIL NO. X7200201 AND SHALL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR WIDTH RESTRICTION SIGNING.

IL 130 AT CHAMPAIGN CO. 200N

MODEL: Default
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	DRAWN -	REVISED -
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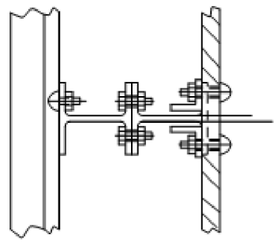
PLOT DATE = 5/24/2019 - 12:07:57 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

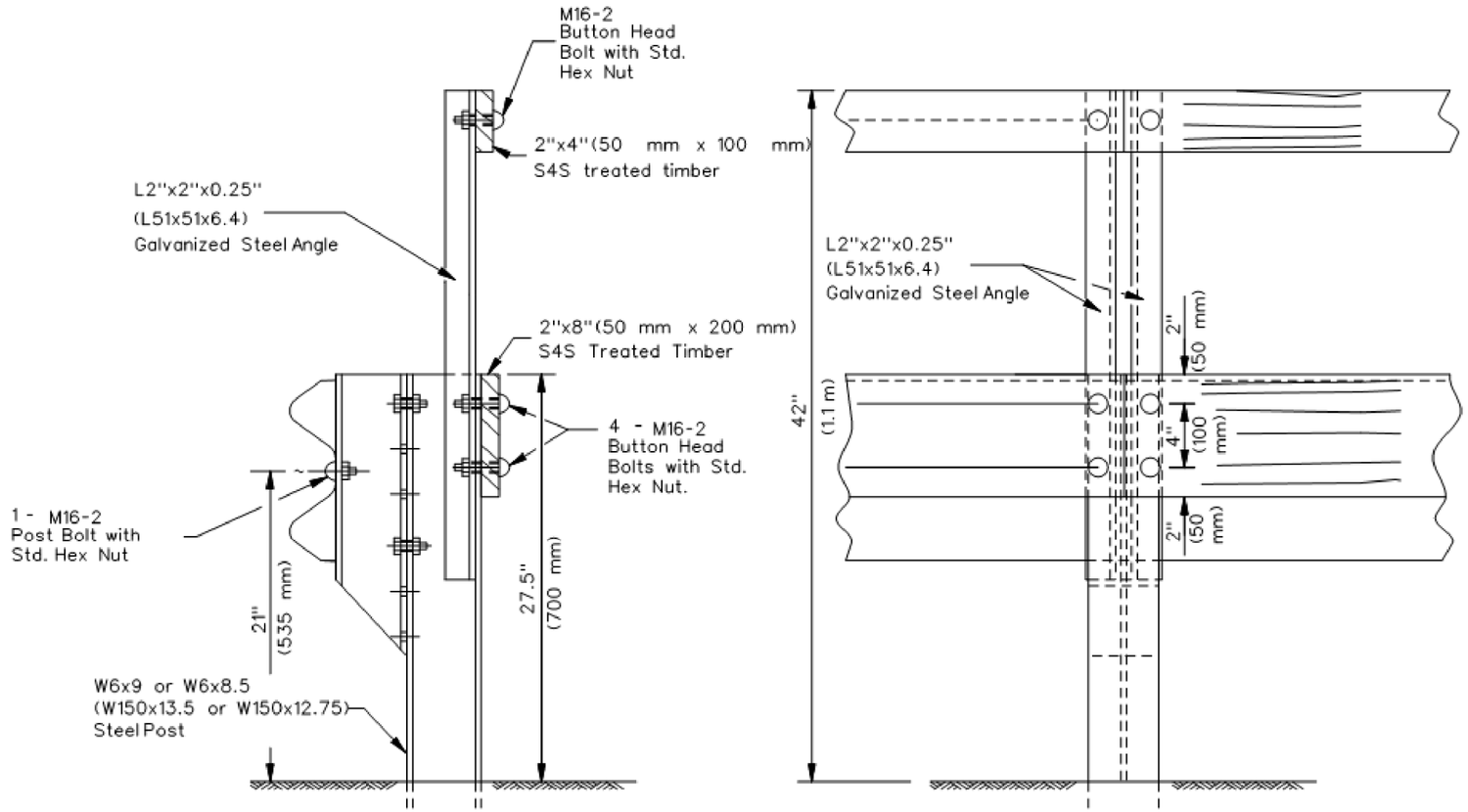
WIDTH RESTRICTION SIGNING DETAIL

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	104
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		



PLAN



CROSS SECTION

ELEVATION
(Bike Path Side)

BIKE PATH APPROACH GUARDRAIL ADJUSTMENT

Figure 17-2.O

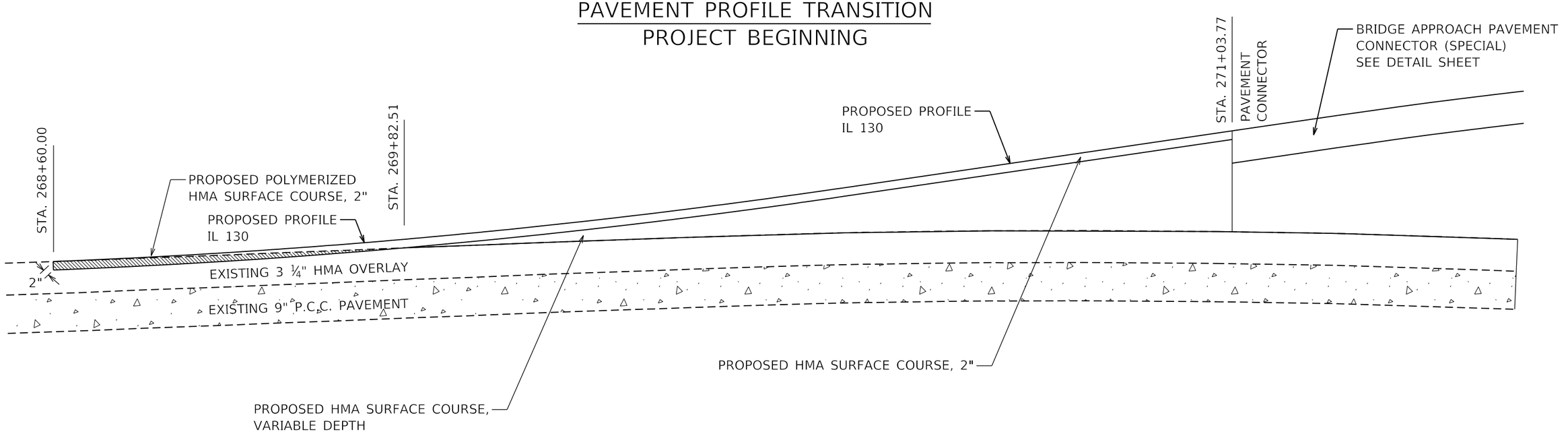
MODEL: Default
FILE NAME: ...\D570545-sht-details.dgn

USER NAME = bemery	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 5/24/2019 - 12:07:57 PM	DATE -	REVISED -	

BACKSIDE PROTECTION OF GUARDRAIL				
SCALE: N.T.S.	SHEET OF SHEETS	STA.	TO STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	105
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			

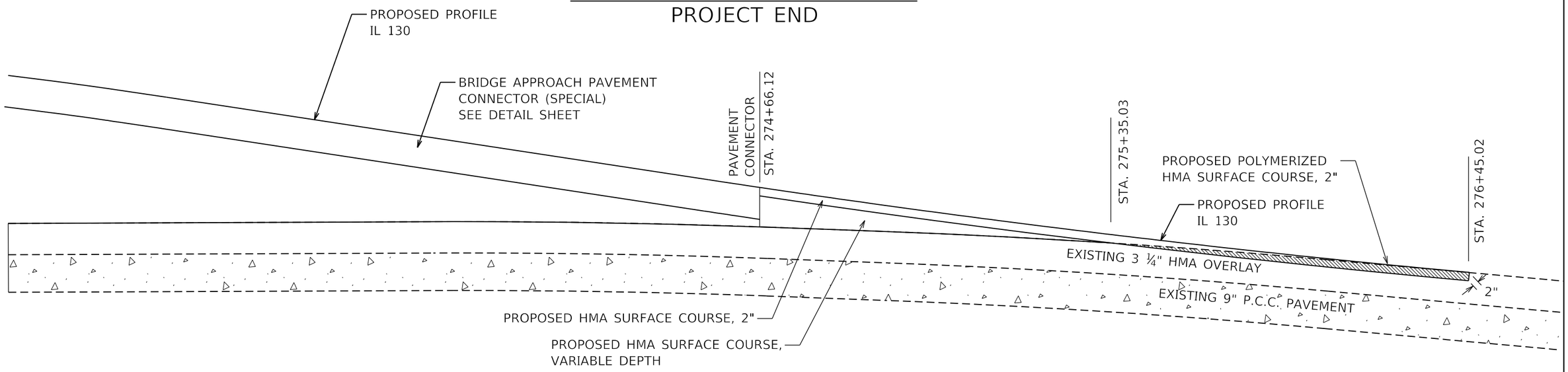
PAVEMENT PROFILE TRANSITION
PROJECT BEGINNING



HMA SURFACE REMOVAL, BUTT JOINT

NOTE: TOP LIFT OF PAVEMENT CONNECTOR SHALL BE SURFACE MIX.

PAVEMENT PROFILE TRANSITION
PROJECT END



HMA SURFACE REMOVAL, BUTT JOINT

NOTE: TOP LIFT OF PAVEMENT CONNECTOR SHALL BE SURFACE MIX.

MODEL: Default
FILE NAME: ...\D570545-sht-details.dgn

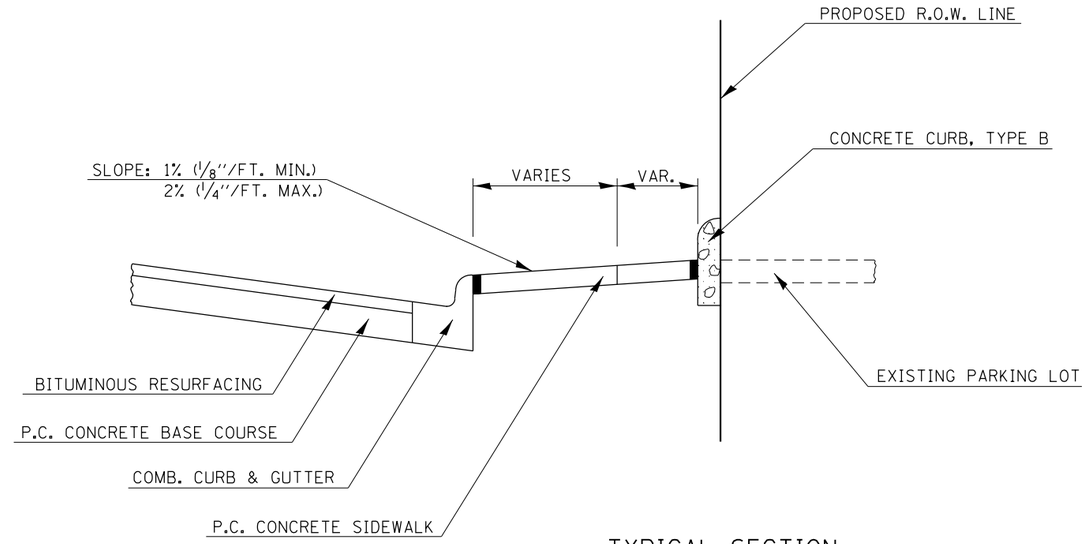
USER NAME = bemery	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/24/2019 - 12:08:02 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

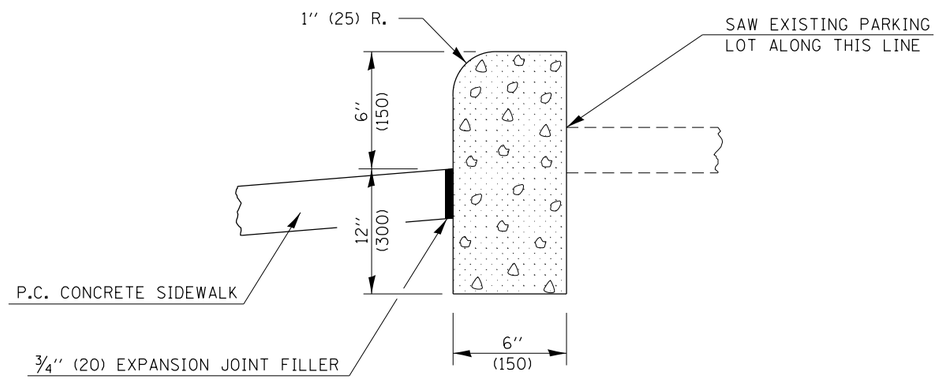
PAVEMENT PROFILE TRANSITIONS

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	106
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			



TYPICAL SECTION



SECTION THROUGH CONCRETE CURB, TYPE B

NOTE:
THE CONCRETE CURB, TYPE B, SHALL BE CONSTRUCTED FROM CLASS SI CONCRETE THROUGHOUT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LINEAL FOOT (METER), FOR CONCRETE CURB, TYPE B, WHICH PRICE SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY TO COMPLETE THE WORK.

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

DISTRICT 5 DETAIL NO. 60600605

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		DRAWN -	REVISED -
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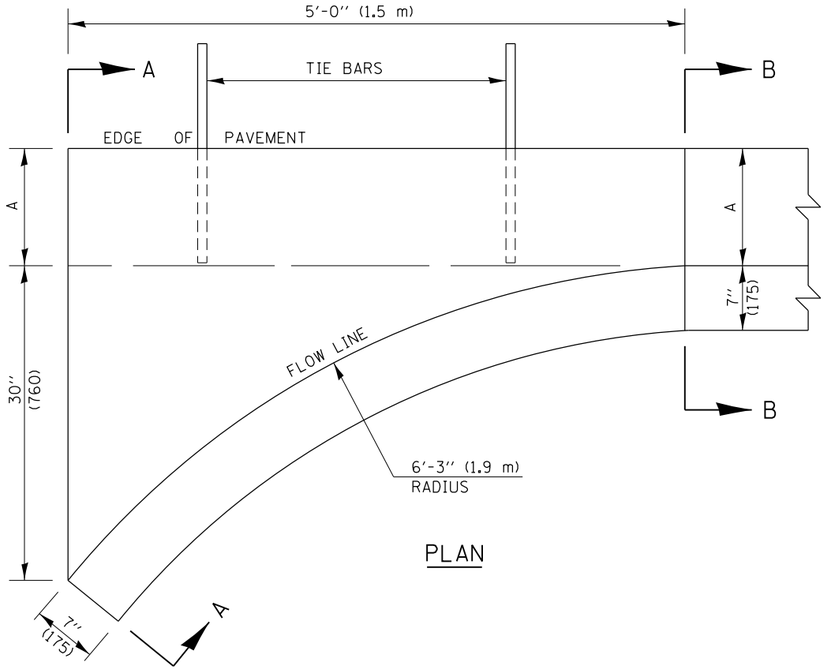
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

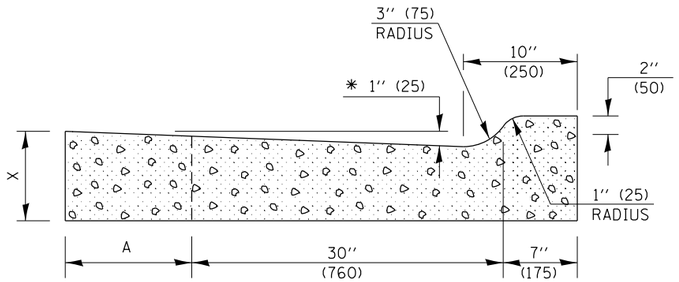
CONCRETE CURB, TYPE B (ADJACENT TO PCC SIDEWALK)

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	107
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

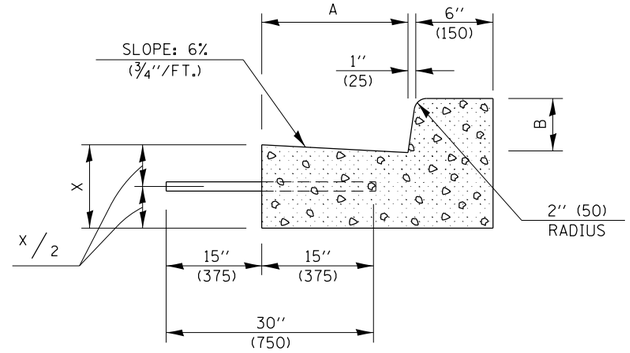


PLAN



SECTION A-A

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



SECTION B-B

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

GENERAL NOTES

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

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

DISTRICT 5 DETAIL NO. 60600095A

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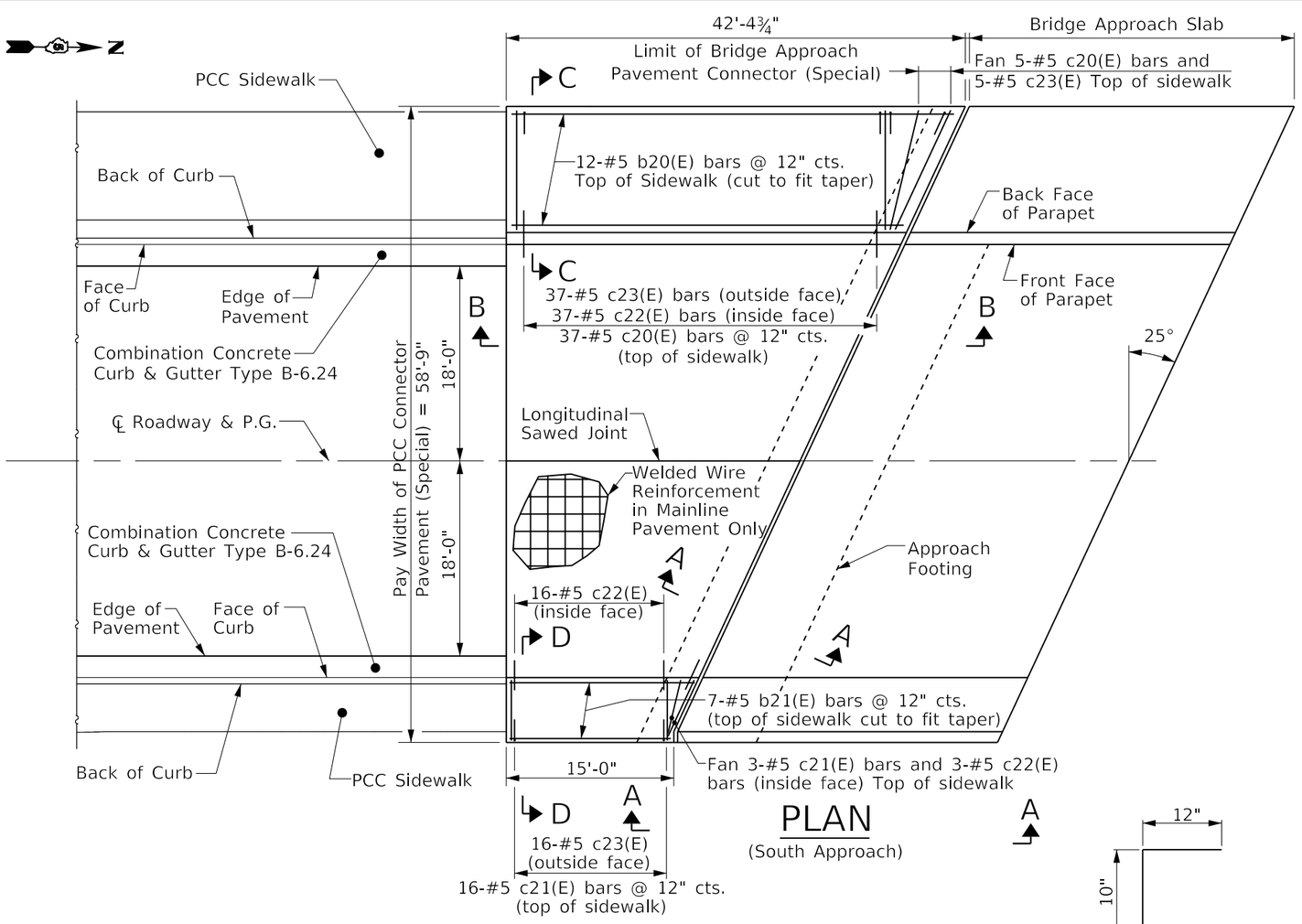
		DRAWN -	REVISED -
Default	PLOT SCALE = 40.0000 '/ in.	CHECKED -	REVISED -
	PLOT DATE = 5/24/2019 - 12:08:02 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INLET – COMBINATION CONCRETE CURB & GUTTER (BARRIER CURB)

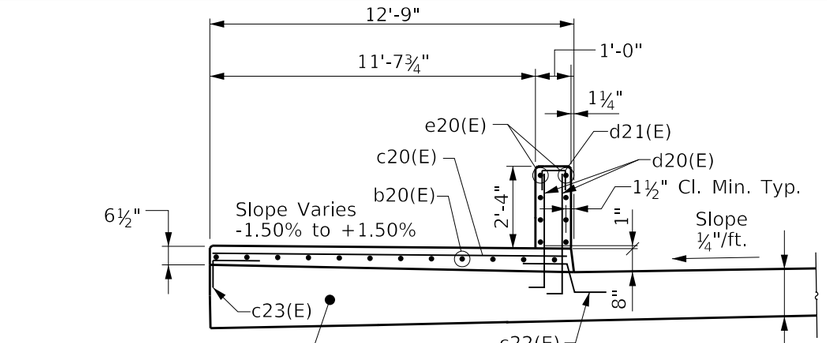
SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	108
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		



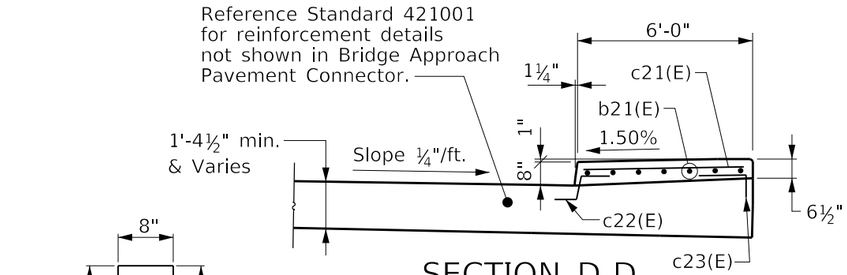
PLAN

(South Approach)

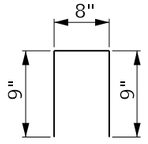


Reference Standard 421001 for reinforcement details not shown in Bridge Approach Pavement Connector.

SECTION C-C

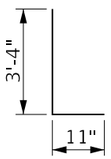


SECTION D-D

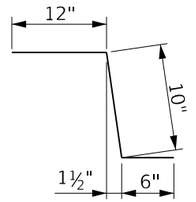


BAR d21(E)

BAR c23(E)



BAR d20(E)

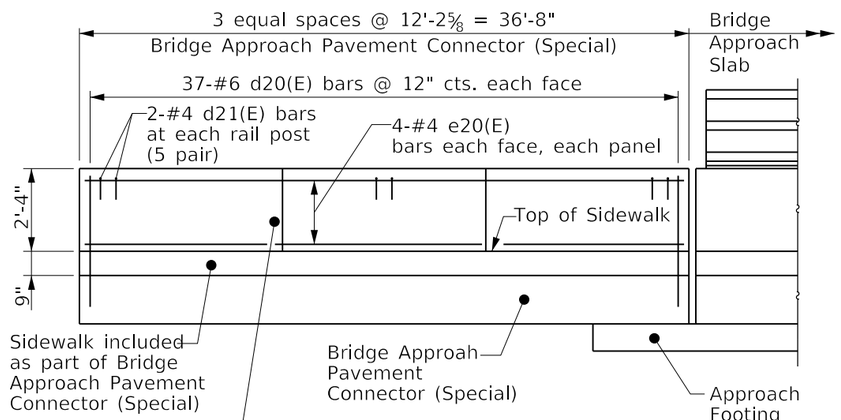


BAR c22(E)

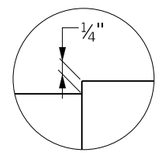
BILL OF MATERIAL

(For Information Only)

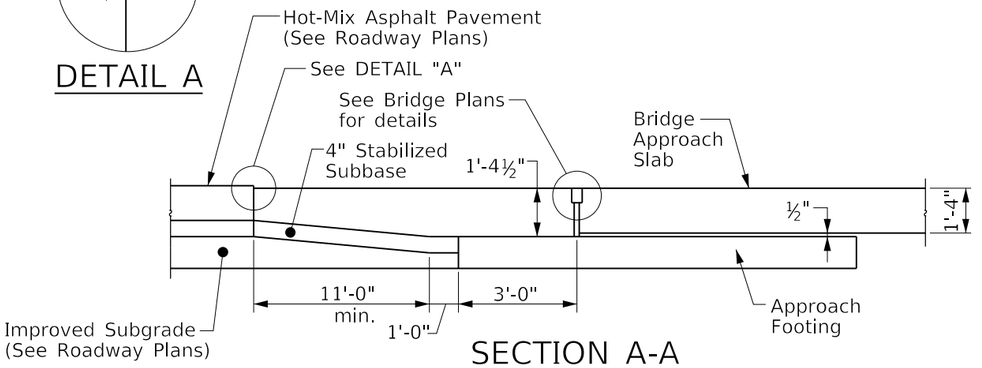
Bar	No.	Size	Length	Shape
b20(E)	12	#5	42'-0"	
b21(E)	7	#5	17'-4"	
c20(E)	42	#5	12'-5"	
c21(E)	19	#5	5'-8"	
c22(E)	56	#5	2'-4"	
c23(E)	58	#5	1'-10"	
d20(E)	74	#6	4'-3"	
d21(E)	10	#4	2'-2"	
e20(E)	24	#4	12'-0"	
Concrete Superstructure			Cu. Yd.	18.0
Protective Coat			Sq. Yd.	207
Reinforcement Bars Epoxy Coated			Lb.	2,230



SECTION B-B



DETAIL A



SECTION A-A

GENERAL NOTES

See Standard 421001 for reinforcement details not shown.
See Standard 420001 for joint details not shown.
See Structure plans for details at bridge approach, approach footing, preformed joint seal, and parapet joint.

MODEL: Default
FILE NAME: ...\D570545-sht-details-pvmt-connector.dgn

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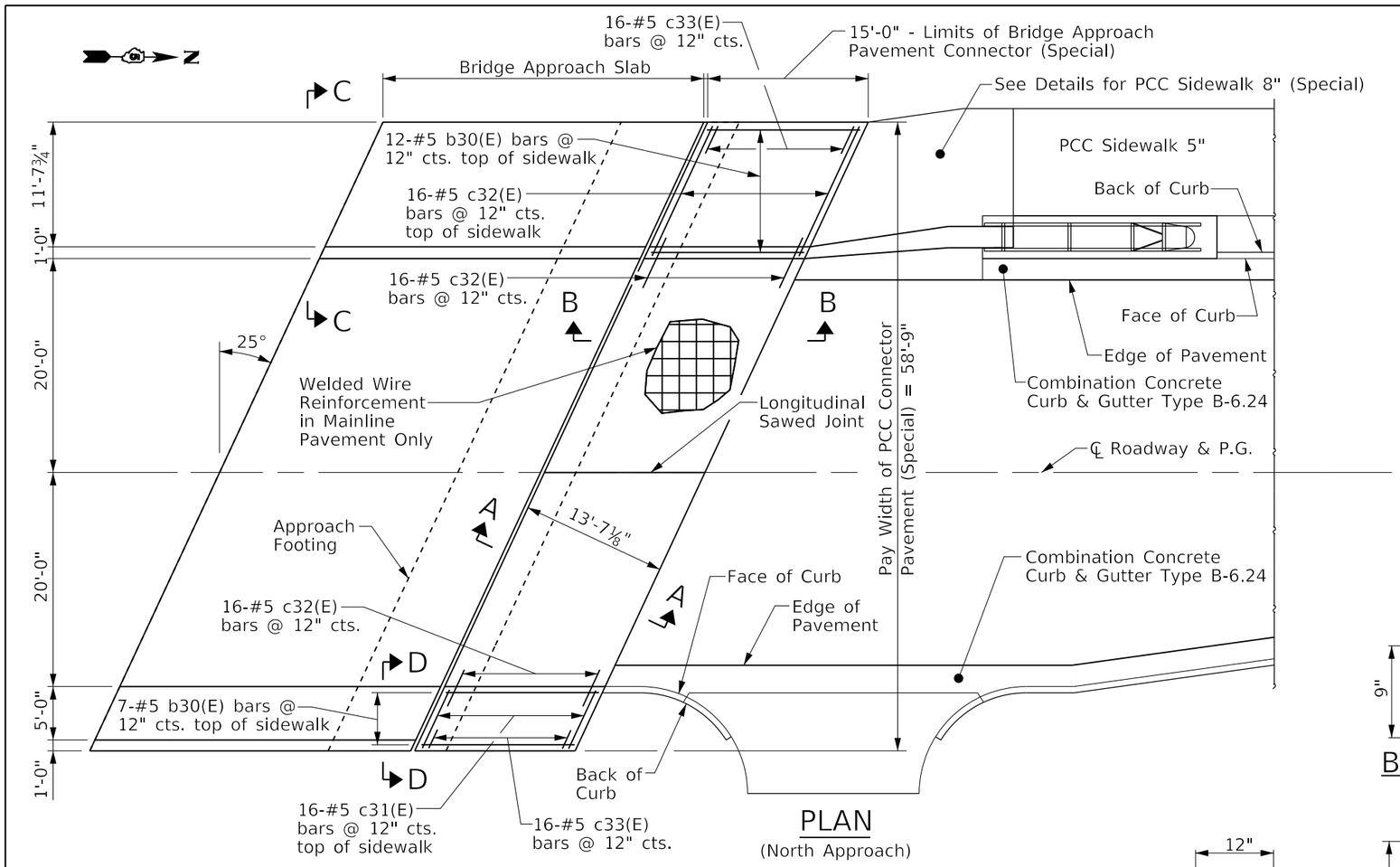
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/24/2019 - 12:08:24 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

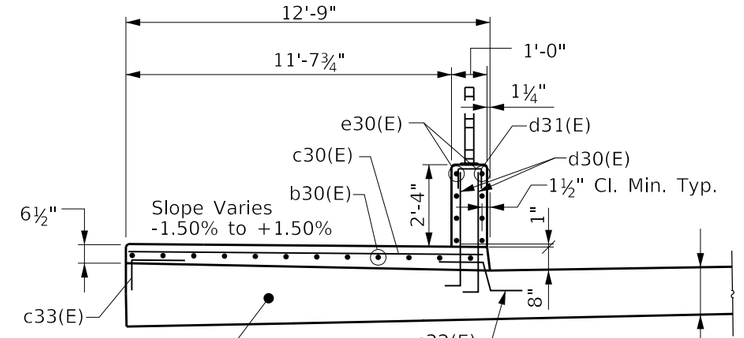
SOUTH BRIDGE APPROACH PAVEMENT CONNECTOR (SPECIAL)

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

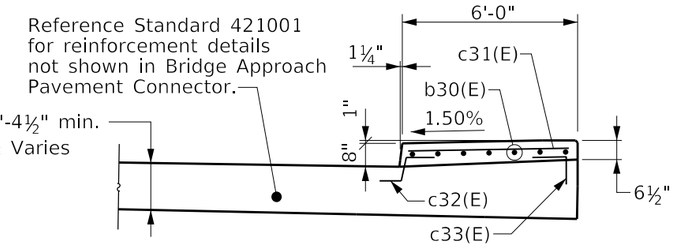
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	109
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			



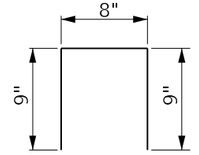
PLAN
(North Approach)



SECTION C-C



SECTION D-D

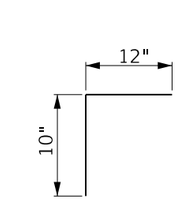


BAR d31(E)

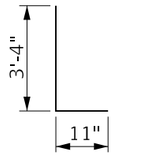
BILL OF MATERIAL

(For Information Only)

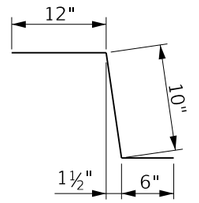
Bar	No.	Size	Length	Shape
b30(E)	19	#5	14'-8"	
c30(E)	16	#5	13'-8"	
c31(E)	16	#5	6'-4"	
c32(E)	32	#5	2'-4"	
c33(E)	32	#5	1'-10"	
d30(E)	32	#6	4'-3"	
d31(E)	6	#4	2'-2"	
e30(E)	8	#4	14'-8"	
Concrete Superstructure		Cu. Yd.	7.6	
Protective Coat		Sq. Yd.	106	
Reinforcement Bars Epoxy Coated		Lb.	1,050	



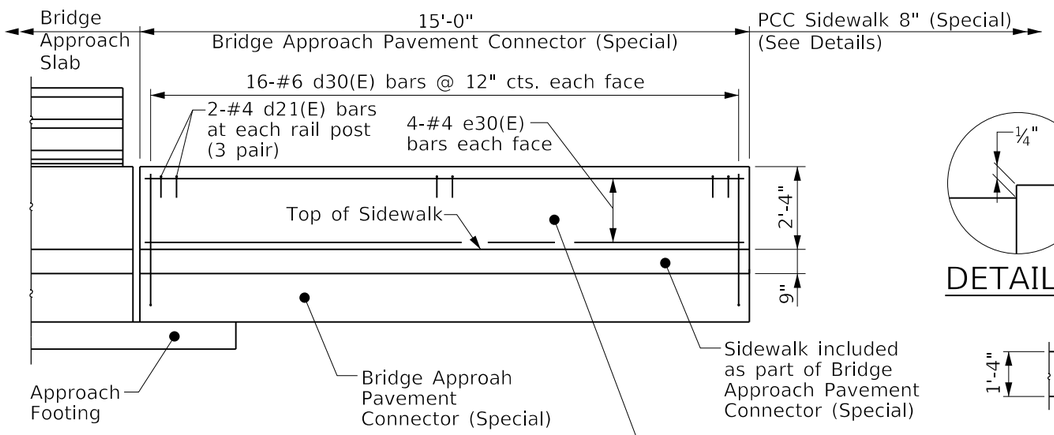
BAR c33(E)



BAR d30(E)

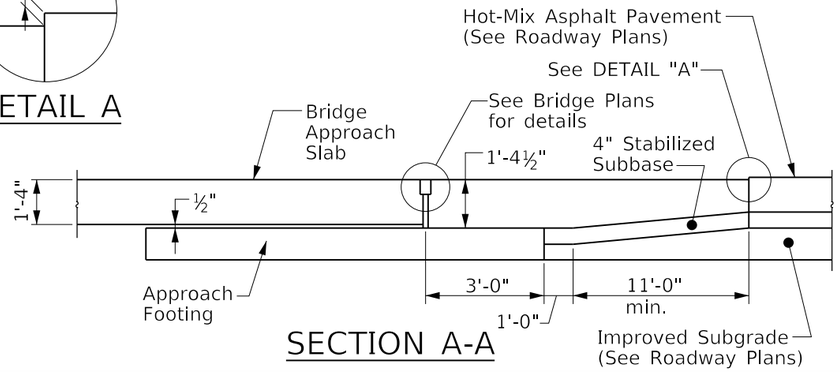


BAR c32(E)



SECTION B-B

DETAIL A



SECTION A-A

GENERAL NOTES

See Standard 421001 for reinforcement details not shown.
See Standard 420001 for joint details not shown.
See Structure plans for details at bridge approach, approach footing and preformed joint seal.

MODEL: Default
FILE NAME: ...\D570545-dht-detail8-pvmt-connector.dgn

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	DRAWN -	REVISED -	
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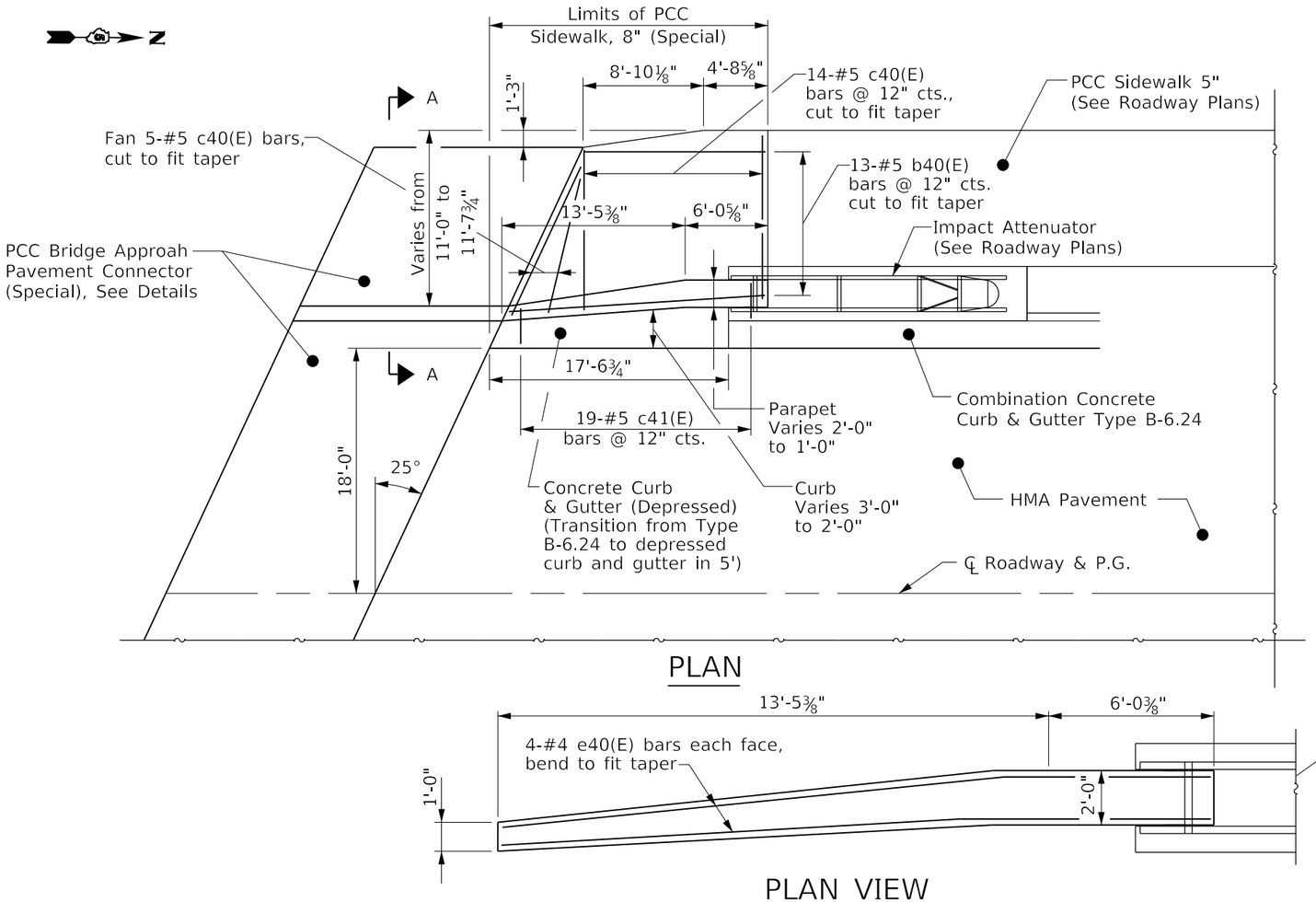
PLOT DATE = 5/24/2019 - 12:08:25 PM	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH BRIDGE APPROACH PAVEMENT CONNECTOR (SPECIAL)

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

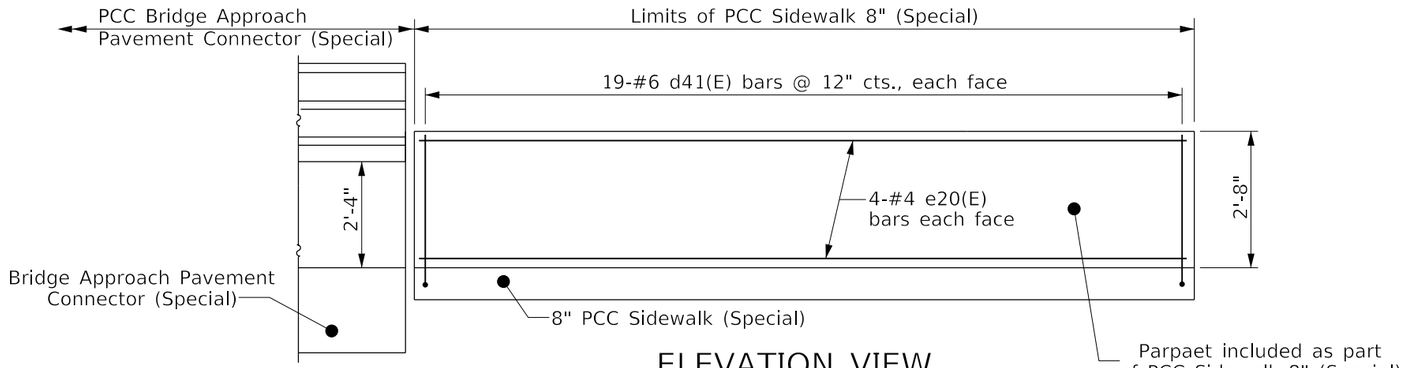
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	110
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			



PLAN

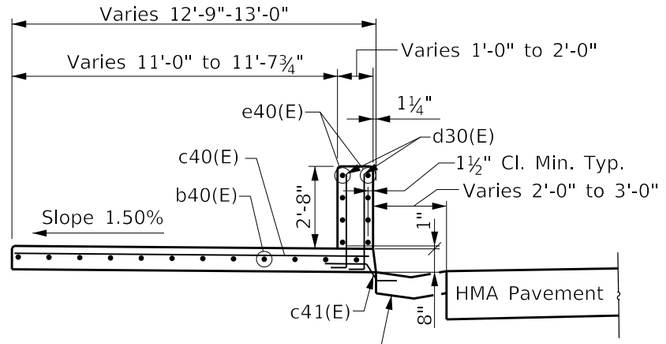
PLAN VIEW

(Showing Parapet Reinforcement)

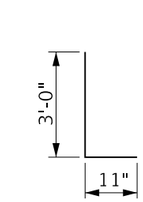


ELEVATION VIEW

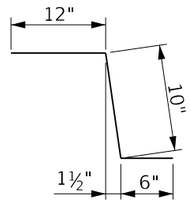
(showing parapet reinforcement)



SECTION A-A



BAR d40(E)



BAR c41(E)

BILL OF MATERIAL

(For Information Only)

Bar	No.	Size	Length	Shape
b40(E)	13	#5	18'-8"	
c40(E)	19	#5	12'-8"	
c41(E)	19	#5	1'-10"	
d40(E)	38	#6	3'-11"	
e40(E)	8	#4	19'-0"	
Concrete Superstructure			Cu. Yd.	9.5
Protective Coat			Sq. Yd.	40
Reinforcement Bars Epoxy Coated			Lb.	870

MODEL: Default
FILE NAME: ...\D570545-sht-details-pvmt-connector.dgn

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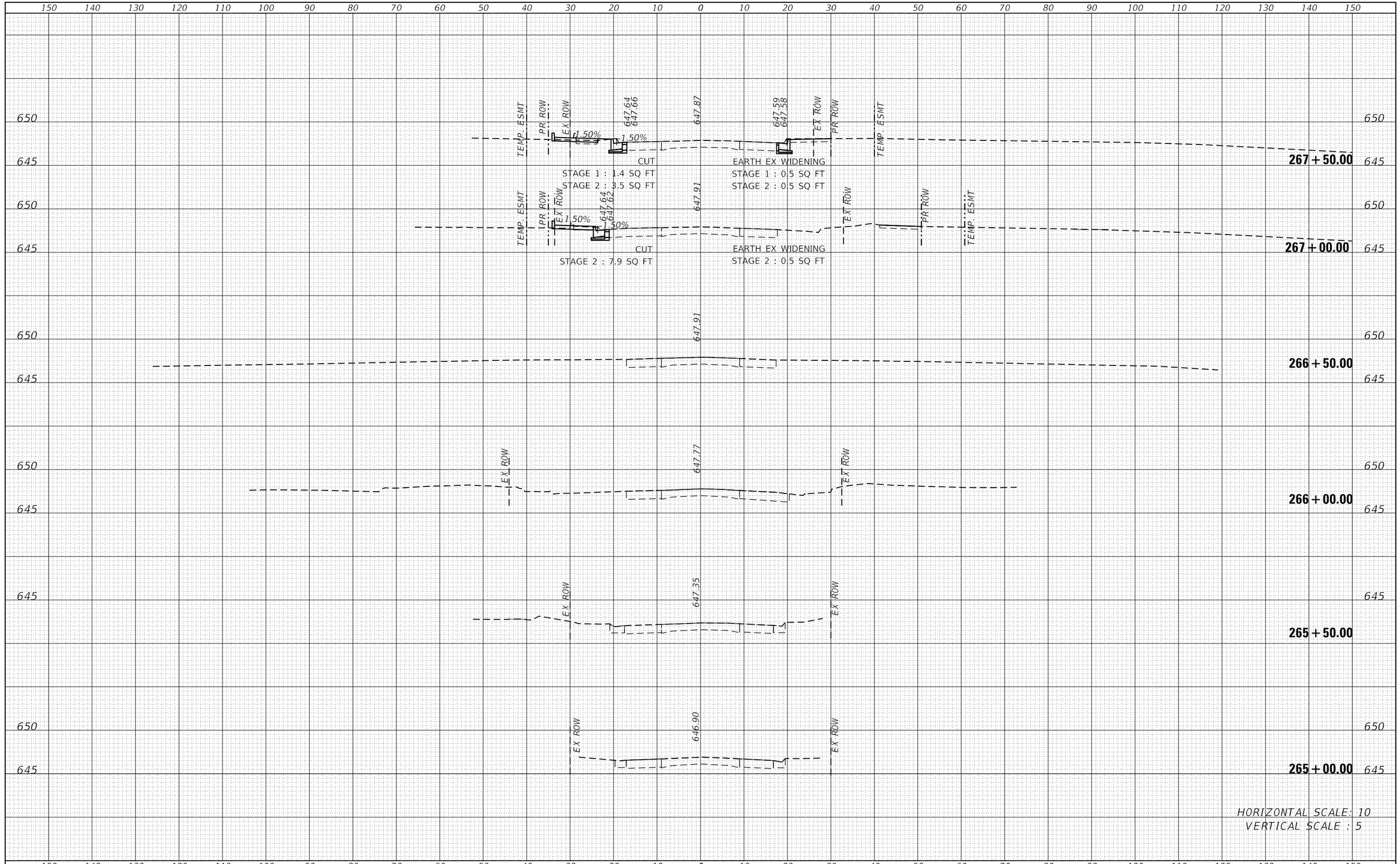
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 5/24/2019 - 12:08:25 PM	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PCC SIDEWALK 8" (SPECIAL)

SCALE: N.T.S. | SHEET OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	111
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		



FINAL SURVEY / ORIGINAL SURVEY

NO.	BY	DATE

SURVEYED
PLOTTED
TEMPLATE
AREAS
NOTE BOOK
AREAS CHECKED

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	PLOT DATE = 5/24/2019 - 12:08:46 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS SHEET

SCALE: | SHEET OF SHEETS | STA. 265+00.00 | TO STA. 267+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	112
		CONTRACT NO. 70545		
		ILLINOIS	FED. AID PROJECT	

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

650
645
640

EX ROW
1:3
1.50%
647.37
647.43
647.54
647.66
-2.00%
-1.50%
-1.50%
647.42
647.37
-2.00%
1.50%
TEMPORARY SIDEWALK
1:3
EX ROW
PR ROW

FILL
STAGE 1 : 67.0 SQ FT
STAGE 2 : 1.1 SQ FT

CUT
STAGE 1 : 3.8 SQ FT
STAGE 2 : 3.6 SQ FT

EARTH EX WIDENING
STAGE 1 : 1.4 SQ FT
STAGE 2 : 1.4 SQ FT

SS ELEV.
641.03

269 + 50.00

650
645

TEMP. ESMT
PR ROW
EX ROW
647.39
647.43
647.62
647.68
1.50%
-2.00%
-1.50%
-1.50%
-2.00%
647.43
647.39
1.50%
EX ROW
PR ROW
TEMP. ESMT
TEMPORARY SIDEWALK

CUT
SS ELEV. 642.40
STAGE 1 : 6.4 SQ FT
STAGE 2 : 4.6 SQ FT

EARTH EX WIDENING
SS ELEV. 641.64
STAGE 1 : 1.0 SQ FT
STAGE 2 : 0.5 SQ FT

269 + 00.00

645
645

TEMP. ESMT
PR ROW
EX ROW
647.44
647.47
647.72
647.45
647.43
EX ROW
PR ROW
TEMP. ESMT
1.50%
1.50%
-1.50%
1.50%
TEMPORARY SIDEWALK

CUT
SS ELEV. 643.09
STAGE 1 : 2.2 SQ FT
STAGE 2 : 7.1 SQ FT

EARTH EX WIDENING
SS ELEV. 642.23
STAGE 1 : 0.5 SQ FT
STAGE 2 : 1.5 SQ FT

268 + 50.00

650
645

TEMP. ESMT
PR ROW
EX ROW
647.49
647.51
647.76
647.45
647.43
EX ROW
PR ROW
TEMP. ESMT
1.50%
-1.50%
-1.50%
2.50%
1.50%
0.66%
COMMERCIAL ENTRANCE

SS ELEV.
643.19

SS ELEV.
642.49

268 + 29.58

650
645

TEMP. ESMT
PR ROW
EX ROW
647.55
647.57
647.81
647.43
647.42
EX ROW
PR ROW
TEMP. ESMT
1.50%
1.50%
-1.50%

CUT
STAGE 1 : 1.8 SQ FT
STAGE 2 : 6.4 SQ FT
SS ELEV. 643.34

EARTH EX WIDENING
STAGE 1 : 0.5 SQ FT
STAGE 2 : 0.5 SQ FT

268 + 00.00

HORIZONTAL SCALE: 10
VERTICAL SCALE : 5

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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

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

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Default	PLOT DATE = 5/24/2019 - 12:08:46 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS SHEET

SCALE: | SHEET OF SHEETS | STA. 268+00.00 | TO STA. 269+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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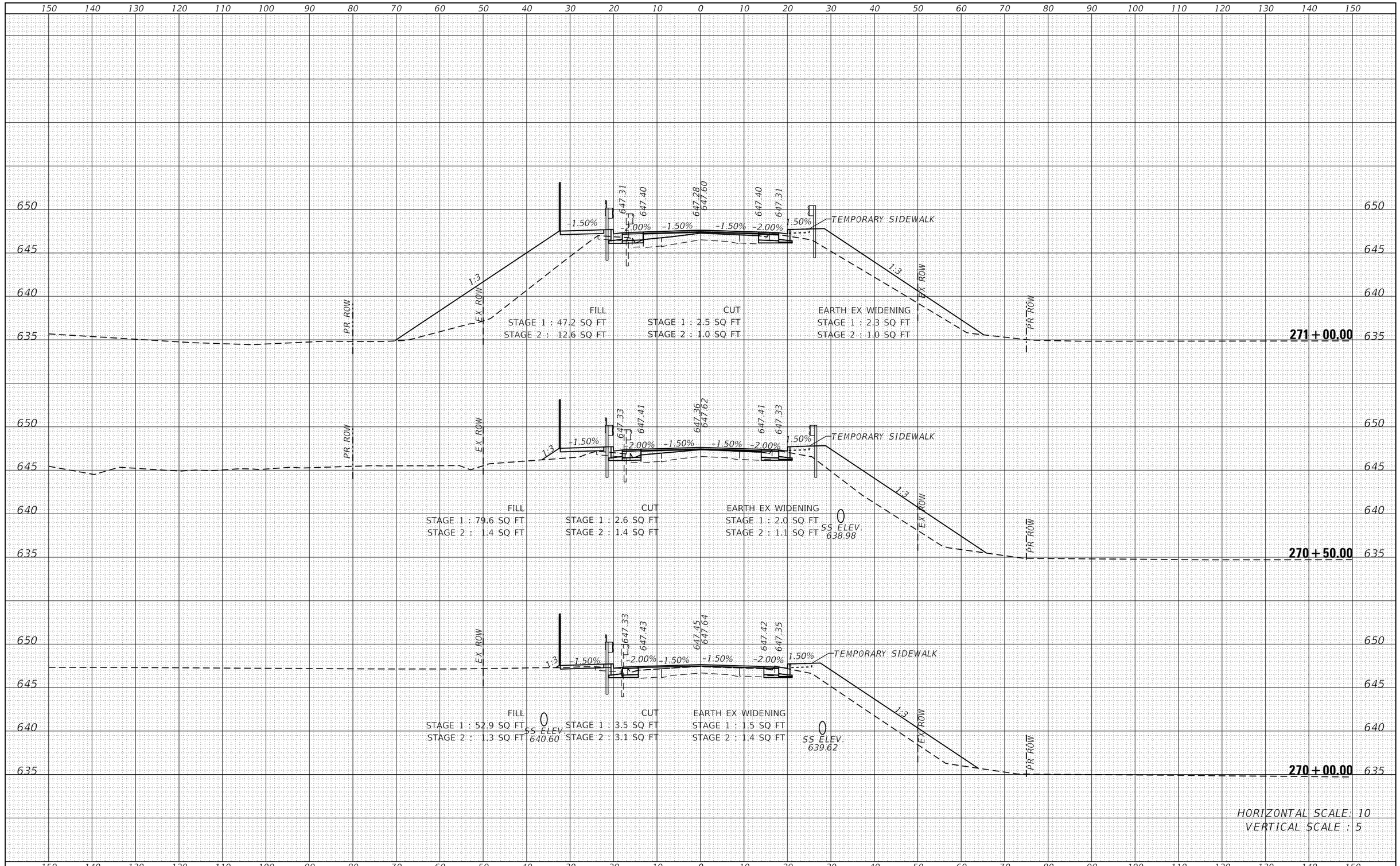
		CONTRACT NO. 70545		
	ILLINOIS FED. AID PROJECT			



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

DATE	BY

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

DATE	BY

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Default	PLOT DATE = 5/24/2019 - 12:08:47 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS SHEET

SCALE: | SHEET OF SHEETS | STA. 270+00.00 | TO STA. 271+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	114
		CONTRACT NO. 70545		
		ILLINOIS	FED. AID PROJECT	

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

BY	DATE

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

BY	DATE

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

650 645 640 635

647.19
647.59

PR. ROW — EX. ROW — EX. ROW — PR. ROW

CUT
STAGE 1 : 156.1 SQ FT
STAGE 2 : 430.9 SQ FT

272 + 50.00

650 645 640 635

647.08
647.59

PR. ROW — EX. ROW — EX. ROW — PR. ROW

CUT
STAGE 1 : 410.2 SQ FT
STAGE 2 : 494.4 SQ FT

272 + 00.00

650 645 640

647.18
647.59

PR. ROW — EX. ROW — EX. ROW — PR. ROW

FOR INFO ONLY
SEE STRUCTURE PLANS

271 + 50.00

HORIZONTAL SCALE: 10
VERTICAL SCALE : 5

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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	PLOT DATE = 5/24/2019 - 12:08:47 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS SHEET

SCALE: | SHEET OF SHEETS | STA. 271+50.00 | TO STA. 272+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	115
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

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

BY	DATE

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

BY	DATE

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

650
645
640
635
630

647.59

PR ROW
EX ROW
EX ROW
PR ROW

273 + 50.00

647.59

PR ROW
EX ROW
EX ROW
PR ROW

273 + 00.00

HORIZONTAL SCALE: 10
VERTICAL SCALE : 5

FILE NAME = ..\CAD_Sheets\D570545-sht-xsc.dgn	USER NAME = bemery	DESIGNED -	REVISED -
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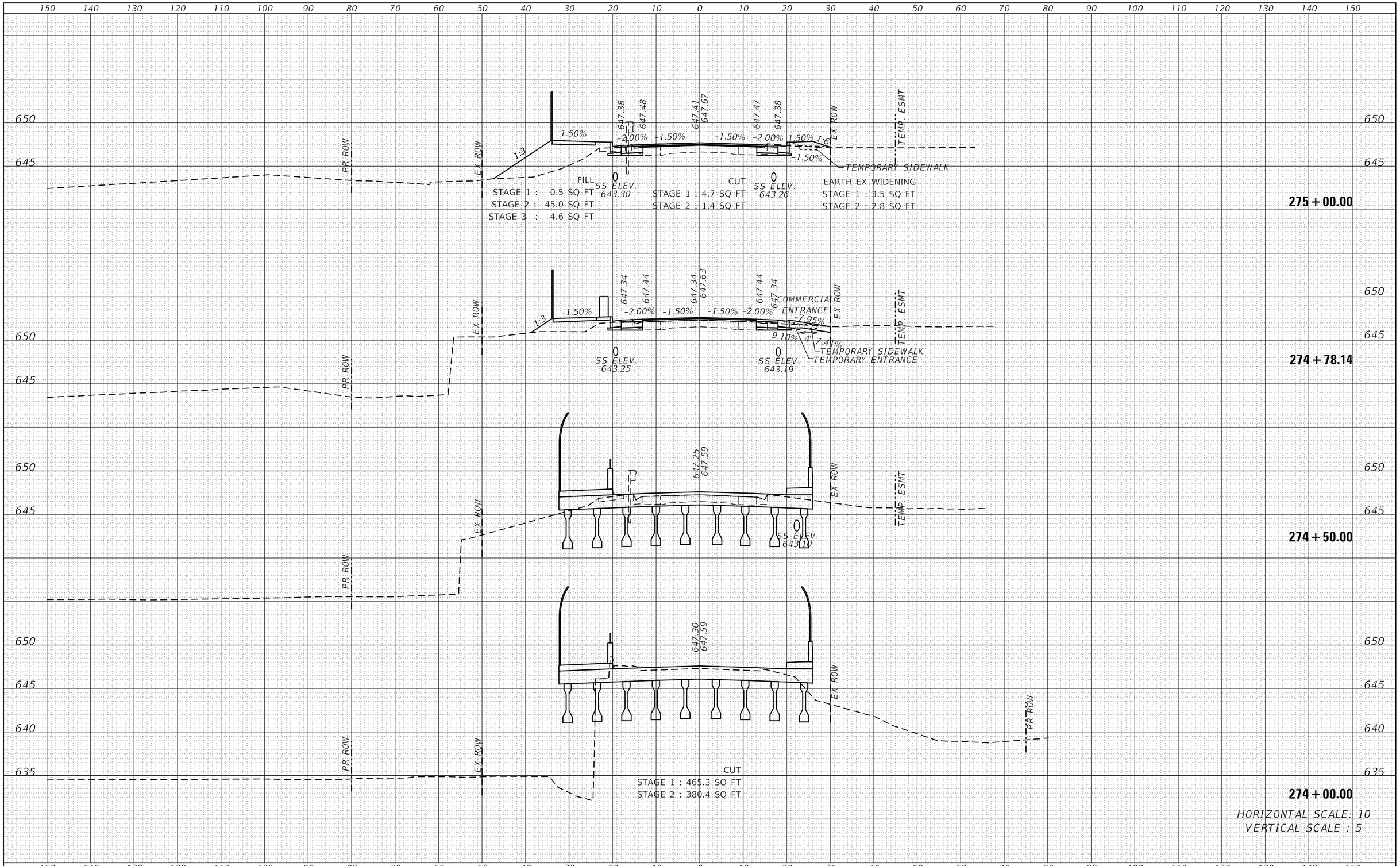
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS SHEET

SCALE: | SHEET OF SHEETS | STA. 273+00.00 | TO STA. 273+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	116
		CONTRACT NO. 70545		
		ILLINOIS	FED. AID PROJECT	



FINAL SURVEY / ORIGINAL SURVEY

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

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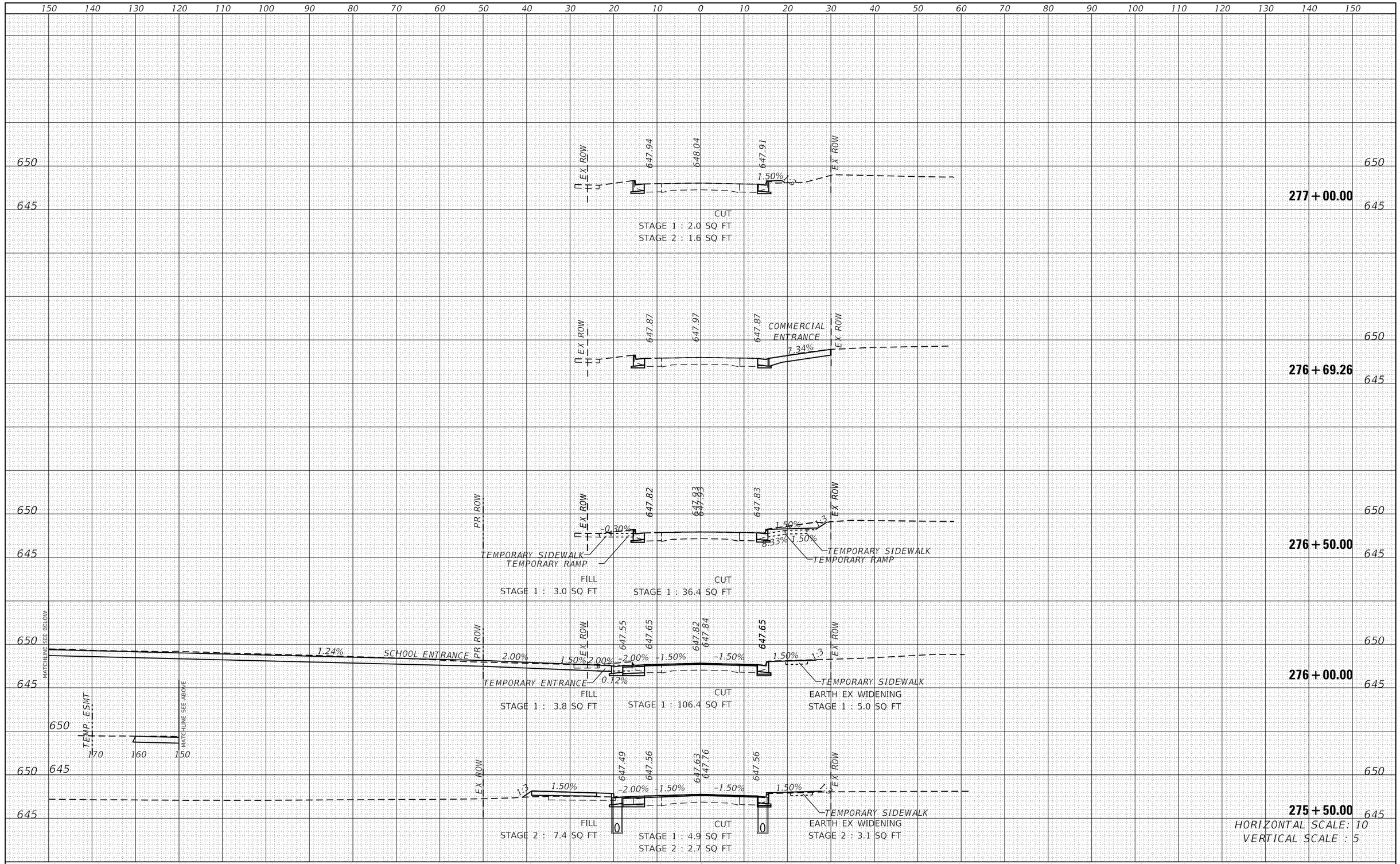
	PLOT DATE = 5/24/2019 - 12:08:48 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS SHEET

SCALE: | SHEET OF SHEETS | STA. 274+00.00 | TO STA. 275+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	117
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		



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

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

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	PLOT DATE = 5/24/2019 - 12:08:48 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS SHEET

SCALE: | SHEET OF SHEETS | STA. 275+50.00 | TO STA. 277+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	118
		CONTRACT NO. 70545		
		ILLINOIS	FED. AID PROJECT	

FINAL SURVEY	NO.	NOTE BOOK	BY	DATE

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

650
645

EX. ROW 647.29 EX. ROW — 280 + 00.00

EX. ROW 647.47 EX. ROW — 279 + 50.00

EX. ROW 647.61 EX. ROW — 279 + 00.00

EX. ROW 647.73 EX. ROW — 278 + 50.00

EX. ROW 647.59 647.84 EX. ROW — 278 + 00.00

EX. ROW 647.81 647.97 EX. ROW — 277 + 50.00

HORIZONTAL SCALE: 10
VERTICAL SCALE : 5

ORIGINAL SURVEY	NO.	NOTE BOOK	BY	DATE

SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED

FILE NAME = ..\CAD_Sheets\D570545-sht-xsc.dgn	USER NAME = bemery	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 20.0000 ' / In.	CHECKED -	REVISED -
Default	PLOT DATE = 5/24/2019 - 12:08:49 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS SHEET

SCALE: | SHEET OF SHEETS | STA. 277+50.00 | TO STA. 280+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	119
		CONTRACT NO. 70545		
	ILLINOIS	FED. AID PROJECT		

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

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

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

650

645

EX ROW

647.04

EX ROW

281 + 00.00

650

645

EX ROW

647.18

EX ROW

280 + 50.00

HORIZONTAL SCALE: 10
VERTICAL SCALE : 5

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

FILE NAME = ..\CAD_Sheets\D570545-sht-xsc.dgn	USER NAME = bemery	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 20.0000 ' / In.	CHECKED -	REVISED -
Default	PLOT DATE = 5/24/2019 - 12:08:49 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS SHEET

SCALE: | SHEET OF SHEETS | STA. 280+50.00 | TO STA. 281+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
808	(12B-15D)BR	DOUGLAS	120	120
		CONTRACT NO. 70545		
		ILLINOIS	FED. AID PROJECT	