

049

04-24-2020 LETTING ITEM 049

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57-3B-1)BDS	MCLEAN	97	1
CONTRACT NO. 70D65			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

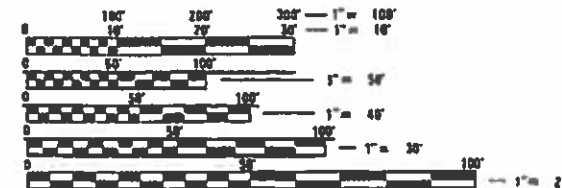
FAI ROUTE 39 (I-39)
SECTION (57-3B-1)BDS
PROJECT NO. NHPP-XTG6(386)
INTERSTATE BRIDGE PRESERVATION
BRIDGE DECK OVERLAY
MCLEAN COUNTY

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4 THROUGH 7

CURRENT TRAFFIC DATA FOR F.A.I. 39
2019 ADT = 20,600
P.U. % 74.7
S.U. % 3.5
M.U. % 21.8

DESIGN DESIGNATION
N/A

C-95-024-19
2100N TO 2200N AT HUDSON



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.

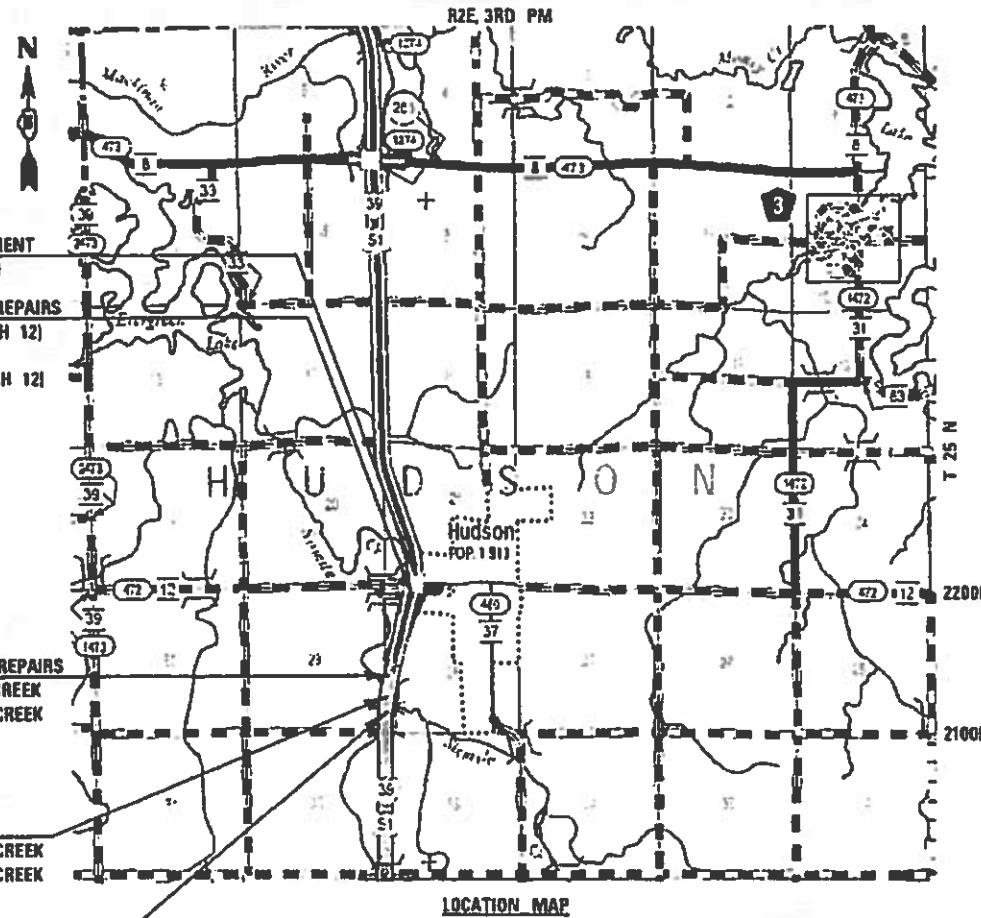
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811
HUDSON TOWNSHIP

END IMPROVEMENT
STA 346+04.00
STA 343+38.38 - PR STRUCTURE REPAIRS
SN 057-0205 SB OVER FAS 472 (CH 12)
189'-11 1/2" BK-BK APPR. BENTS
SN 057-0206 NB OVER FAS 472 (CH 12)
169'-9 3/4" BK-BK APPR. BENTS

STA 304+65.00 - PR STRUCTURE REPAIRS
SN 057-0208 SB OVER SIX MILE CREEK
SN 057-0209 NB OVER SIX MILE CREEK
149'-9" BK-BK ABUTS.

STA 292+30.00 - PR STRUCTURE REPAIRS
SN 057-0210 SB OVER TRIBUTARY TO SIX MILE CREEK
SN 057-0211 NB OVER TRIBUTARY TO SIX MILE CREEK
70'-7 3/4" BK-BK ABUTS.

BEGIN IMPROVEMENT
STA 290+25.00



SCALE IN MILES
GROSS LENGTH = 5579.00 FT. = 1.057 MILE
NET LENGTH = 390.21 FT. = 0.074 MILE

CEC Cummins Engineering Corporation
Civil and Structural Engineering



KL 1-29-20
ILLINOIS PROFESSIONAL NO. 56816
Expires 11/30/21

PROJECT ENGINEER: JASON W. STULTS
PROJECT MANAGER: DAVID F. JAYME
PHONE NUMBER: (217) 465-4181

CONTRACT NO. 70D65

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED *January 30, 2020*
David F. Jayme REGIONAL ENGINEER
March 20, 2020
Jason W. Stults ENGINEER OF DESIGN AND ENVIRONMENT
March 30, 2020
Jason W. Stults DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS AND HIGHWAY STANDARDS
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61-74	BRIDGE REPAIRS SN 057-0208 & SN 057-0209
75-97	BRIDGE REPAIRS SN 057-0205 & SN 057-0206

HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420001-09	PAVEMENT JOINTS
420401-13	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
442201-03	CLASS C AND D PATCHES
542401-03	METAL FLARED END SECTION FOR PIPE CULVERTS
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
610001-08	SHOULDER INLET WITH CURB
642001-02	SHOULDER RUMBLE STRIPS, 16 IN.
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701206-05	LANE CLOSURE, 2L, 2W, NIGHT ONLY, FOR SPEEDS ≥ 45 MPH
701400-09	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701402-12	LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
701406-12	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

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PLOT DATE = 1/29/2020	DATE - 8/8/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS AND HIGHWAY STANDARDS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	MCLEAN	97	2
CONTRACT NO. 70D65			ILLINOIS FED. AID PROJECT	

GENERAL NOTES

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

GN 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.

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

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	I-39	I-39	I-39
Mixture Use	Class D Patch Pavement	Class D Patch Shoulder & Bottom Lift Shoulder	Top Lift Shoulder
AC/PG	PG 64-22	PG 64-22	PG 64-22
Design Air Voids	4.0% @ Ndes=90	4.0% @ Ndes=50	4.0% @ Ndes=30
Mix Comp(Gradation)	IL 19.0	IL 19.0	IL 9.5L
Friction Aggregate	N.A.	N.A.	Mix C
Mixture Weight	112	112	112
Quality Management Program	QC/QA	QC/QA	QC/QA
Sublot Size	N.A.	N.A.	N.A.

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

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

G.N.- 667
THE RESIDENT ENGINEER SHALL CONTACT THE 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 IMPLEMENTATON PERSONNEL WILL BE RESPONSIBLE FOR LAYOUT OF THESE MARKERS.

G.N.- 781
THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS.

COMMITMENTS

NONE

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PLOT DATE = 1/29/2020	DATE - 8/8/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES AND COMMITMENTS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	MCLEAN	97	3
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	CONSTRUCTION TYPE CODE:	UNIT	TOTAL QUANTITY	LOCATION OF WORK:		
					FAI 39 RURAL INTERSTATE SN 057-0210 & SN 057-0211 MCLEAN COUNTY	FAI 39 RURAL INTERSTATE SN 057-0208 & SN 057-0209 MCLEAN COUNTY	FAI 39 RURAL INTERSTATE SN 057-0205 & SN 057-0206 MCLEAN COUNTY
				FUNDING BREAKOUT:			
				90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	
				0059	0059	0059	
				QUANTITY	QUANTITY	QUANTITY	
31200100	STABILIZED SUBBASE 4"		SQ YD	5,051	1,234	1,129	2,688
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB		SQ YD	4,803	1,218	1,055	2,530
42001300	PROTECTIVE COAT		SQ YD	5182	1198	1902	2082
44000100	PAVEMENT REMOVAL		SQ YD	2,278	770	694	814
44000300	CURB REMOVAL		FOOT	352	0	0	352
44004250	PAVED SHOULDER REMOVAL		SQ YD	2,620	697	626	1,297
44201765	CLASS D PATCHES, TYPE II, 10 INCH		SQ YD	160	107	53	0
44201777	CLASS D PATCHES, TYPE II, 11 INCH		SQ YD	160	0	53	107
48101200	AGGREGATE SHOULDERS, TYPE B		TON	510	143	119	248
48203037	HOT-MIX ASPHALT SHOULDERS, 10"		SQ YD	75	43	32	0
50102400	CONCRETE REMOVAL		CU YD	18.1	0	0	18.1
50105220	PIPE CULVERT REMOVAL		FOOT	138	6	0	132
50157300	PROTECTIVE SHIELD		SQ YD	608	0	0	608
50300225	CONCRETE STRUCTURES		CU YD	169.2	60.0	55.2	54.0

* DENOTES SPECIALTY ITEM

REV. 3/30

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PLOT DATE = 1/29/2020	DATE - 7/20/2019	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1) BDS	MCLEAN	97	4
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	CONSTRUCTION TYPE CODE:	UNIT	TOTAL QUANTITY	LOCATION OF WORK:		
					0059	0059	0059
				FUNDING BREAKOUT:			
				90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	
				QUANTITY	QUANTITY	QUANTITY	
50300255	CONCRETE SUPERSTRUCTURE		CU YD	19.9	0	0	19.9
50300300	PROTECTIVE COAT		SQ YD	5,182	1,198	1,902	2,082
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)		CU YD	722.4	240.8	240.4	241.2
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL		POUND	8,330	0	0	8,330
50800205	REINFORCEMENT BARS, EPOXY COATED		POUND	282,412	93,750	93,320	95,342
50800515	BAR SPLICERS		EACH	1,700	524	560	616
52000110	PREFORMED JOINT STRIP SEAL		FOOT	172	0	0	172
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I		EACH	12	0	0	12
52100510	ANCHOR BOLTS, 3/4"		EACH	24	0	0	24
52100520	ANCHOR BOLTS, 1"		EACH	24	0	0	24
54213447	END SECTIONS 12"		EACH	4	1	0	3
60500060	REMOVING INLETS		EACH	5	1	0	4
60500305	FILLING INLETS		EACH	5	1	0	4
60600605	CONCRETE CURB, TYPE B		FOOT	487	45	0	442

* DENOTES SPECIALTY ITEM

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 DATE - 7/20/2019

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1) BDS	MCLEAN	97	5
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	CONSTRUCTION TYPE CODE:	UNIT	TOTAL QUANTITY	LOCATION OF WORK:		
					0059	0059	0059
				FUNDING BREAKOUT:			
				90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	
				QUANTITY	QUANTITY	QUANTITY	
61000050	CONCRETE THRUST BLOCKS		EACH	2	0	0	2
61000115	TYPE E INLET BOX, STANDARD 610001		EACH	3	1	0	2
61000225	TYPE F INLET BOX, STANDARD 610001		EACH	2	0	0	2
63300575	REMOVE AND REERECT RAIL ELEMENT OF EXISTING GUARDRAIL		FOOT	2600.0	712.5	712.5	1,175.0
63302700	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 6		EACH	12	4	4	4
64200116	SHOULDER RUMBLE STRIPS, 16 INCH		FOOT	256	65	78	113
67000400	ENGINEER'S FIELD OFFICE, TYPE A		CAL MO	12	4	4	4
67100100	MOBILIZATION		L SUM	1	1	0	0
70103815	TRAFFIC CONTROL SURVEILLANCE		CAL DA	180	60	60	60
70107025	CHANGEABLE MESSAGE SIGN		CAL DA	14	5	5	4
70400100	TEMPORARY CONCRETE BARRIER		FOOT	3,800.0	1,050.0	1,200.0	1,550.0
70400200	RELOCATE TEMPORARY CONCRETE BARRIER		FOOT	3,700.0	1,025.0	1,150.0	1,525.0
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3		EACH	6	2	2	2
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3		EACH	6	2	2	2

* DENOTES SPECIALTY ITEM

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DESIGNED - NAK
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 DATE - 7/20/2019

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 3 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1) BDS	MCLEAN	97	6
CONTRACT NO. 70D65				
		ILLINOIS	FED. AID PROJECT	

SUMMARY OF QUANTITIES

				LOCATION OF WORK:	FAI 39 RURAL INTERSTATE SN 057-0210 & SN 057-0211 MCLEAN COUNTY	FAI 39 RURAL INTERSTATE SN 057-0208 & SN 057-0209 MCLEAN COUNTY	FAI 39 RURAL INTERSTATE SN 057-0205 & SN 057-0206 MCLEAN COUNTY
				FUNDING BREAKOUT:	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE
				CONSTRUCTION TYPE CODE:	0059	0059	0059
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY	QUANTITY	
*	78008310	POLYUREA PAVEMENT MARKING TYPE II - LINE 4"	FOOT	6,580	1,350	2,865	2,365
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	138	40	37	61
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	138	40	37	61
	X0325682	PUMPABLE CONCRETE MIX	CU FT	6.0	0	6.0	0
	X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	3042	698	1118	1226
	X6330103	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	12	4	4	4
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	0	0
	X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	186	62	62	62
	X7200201	WIDTH RESTRICTION SIGNING	L SUM	1	1	0	0
*	X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	6,580	1,350	2,865	2,365
	Z0001899	JACK AND REMOVE EXISTING BEARINGS	EACH	12	0	0	12
	Z0001903	STRUCTURAL STEEL REMOVAL	POUND	6,010	0	0	6,010
	Z0001905	STRUCTURAL STEEL REPAIR	POUND	8,460	0	0	8,460
	Z0004552	APPROACH SLAB REMOVAL	SQ YD	1,985	459	433	1,093

* DENOTES SPECIALTY ITEM

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PLOT DATE = 3/30/2020

DESIGNED - NAK
DRAWN - SJS
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DATE - 7/20/2019

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1) BDS	MCLEAN	97	7
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

LOCATION OF WORK:

FAI 39
RURAL
INTERSTATE
SN 057-0210
& SN 057-0211
MCCLENN COUNTY

FAI 39
RURAL
INTERSTATE
SN 057-0208
& SN 057-0209
MCCLENN COUNTY

FAI 39
RURAL
INTERSTATE
SN 057-0205
& SN 057-0206
MCCLENN COUNTY

FUNDING BREAKOUT:

90% FEDERAL
10% STATE

90% FEDERAL
10% STATE

90% FEDERAL
10% STATE

CONSTRUCTION TYPE CODE:

0059

0059

0059

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	QUANTITY	QUANTITY	QUANTITY
Z0006016	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 3/4 INCHES	SQ YD	1958	628	1,330	
Z0012166	BRIDGE DECK MICROSILICA CONCRETE OVERLAY, 2 3/4"	SQ YD	1460			1460
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	3,418	628	1,330	1,460
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	459	144	144	171
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	102	22	44	36
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	50	10	22	18
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	9,731	2,385	2,854	4,492

* DENOTES SPECIALTY ITEM

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CEC Cummins Engineering Corporation
Civil and Structural Engineering

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

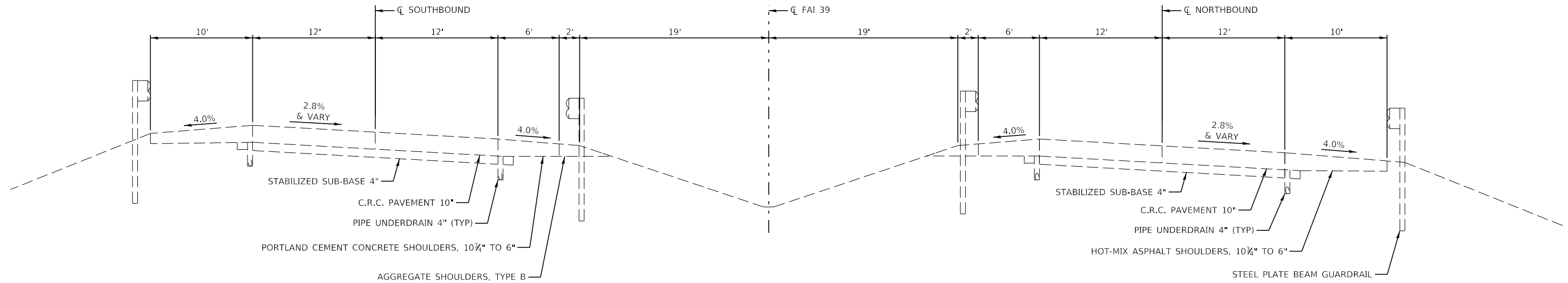
SUMMARY OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1) BDS	MCCLENN	97	8
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

EXISTING TYPICAL SECTION F.A.I. 39 1

SB STA 290+73.00	TO STA 291+49.77	SB STA 303+16.18	TO STA 303+70.11
SB STA 292+79.55	TO STA 293+34.85	SB STA 305+78.83	TO STA 306+42.24
NB STA 290+98.64	TO STA 291+80.27	NB STA 303+84.03	TO STA 303+49.58
NB STA 293+11.41	TO STA 293+84.29	NB STA 305+60.10	TO STA 306+14.58



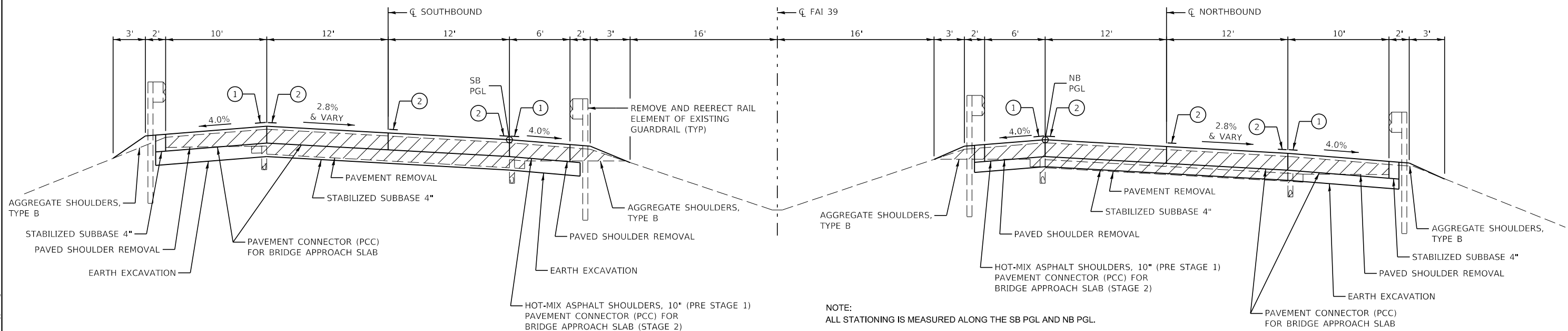
OMISSIONS (STATIONED ALONG PROFILE GRADE LINE)	
CLASS D PATCHES, TYPE II, 11, 10 INCH	CLASS D PATCHES, TYPE II, 11, 10 INCH
SB STA 290+92.61 TO STA 290+98.64	SB STA 303+10.20 TO STA 303+16.18 (10 INCH)
SB STA 293+34.85 TO STA 293+40.82	SB STA 306+42.24 TO STA 306+48.24 (11 INCH)
NB STA 290+67.03 TO STA 290+73.00	NB STA 302+78.00 TO STA 302+84.03 (10 INCH)
NB STA 293+84.29 TO STA 293+90.32	NB STA 306+14.58 TO STA 306+20.61 (11 INCH)
BRIDGE APPROACH PAVEMENT	BRIDGE APPROACH PAVEMENT
SB STA 291+49.77 TO STA 291+79.49	SB STA 303+70.17 TO STA 304+00.18
SB STA 292+49.58 TO STA 292+79.55	SB STA 305+49.10 TO STA 305+78.83
NB STA 291+80.27 TO STA 292+10.30	NB STA 303+49.58 TO STA 303+79.86
NB STA 292+81.13 TO STA 293+11.41	NB STA 305+30.10 TO STA 305+60.10
SN 057-0210	SN 057-0208
SB STA 291+79.40 TO STA 292+49.67	SB STA 304+00.09 TO STA 305+49.19
SN 057-0211	SN 057-0209
NB STA 292+10.20 TO STA 292+81.22	NB STA 303+79.77 TO STA 305+30.19

PROPOSED TYPICAL SECTION F.A.I. 39 1

SB STA 290+73.00	TO STA 291+49.77	SB STA 303+16.18	TO STA 303+70.11
SB STA 292+79.55	TO STA 293+34.85	SB STA 305+78.83	TO STA 306+42.24
NB STA 290+98.64	TO STA 291+80.27	NB STA 303+84.03	TO STA 303+49.58
NB STA 293+11.41	TO STA 293+84.29	NB STA 305+60.10	TO STA 306+14.58

- 1 SHOULDER RUMBLE STRIPS, 16 INCH
- 2 POLYUREA PAVEMENT MARKING TYE II - LINE 4"

REMOVE MEDIAN SHOULDER (PAVED SHOULDER REMOVAL) AND CONSTRUCT HOT-MIX ASPHALT SHOULDERS, 10" (PRE STAGE 1)
 SB STA 290+25 TO STA 291+50.02
 NB STA 290+70 TO STA 292+10.73
 SB STA 306+20(BK) TO STA 305+95.69(AH)
 NB STA 306+07(BK) TO STA 305+82.69(AH)



NOTE:
 ALL STATIONING IS MEASURED ALONG THE SB PGL AND NB PGL.
 EARTH EXCAVATION WILL NOT BE PAID FOR SEPARATELY, BUT INCLUDED IN VARIOUS PAYITEMS. SEE SPECIAL PROVISIONS.

MODEL: Default
FILE NAME: D570D65-shr-typical.dgn



JOB = 2596.1	DESIGNED - NAK	REVISED -
FILE NAME = D570D65-shr-typical.dgn	DRAWN - SJS	REVISED -
PLOT SCALE = 10,0000' / in.	CHECKED - NAK	REVISED -
PLOT DATE = 1/29/2020	DATE - 8/8/2019	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

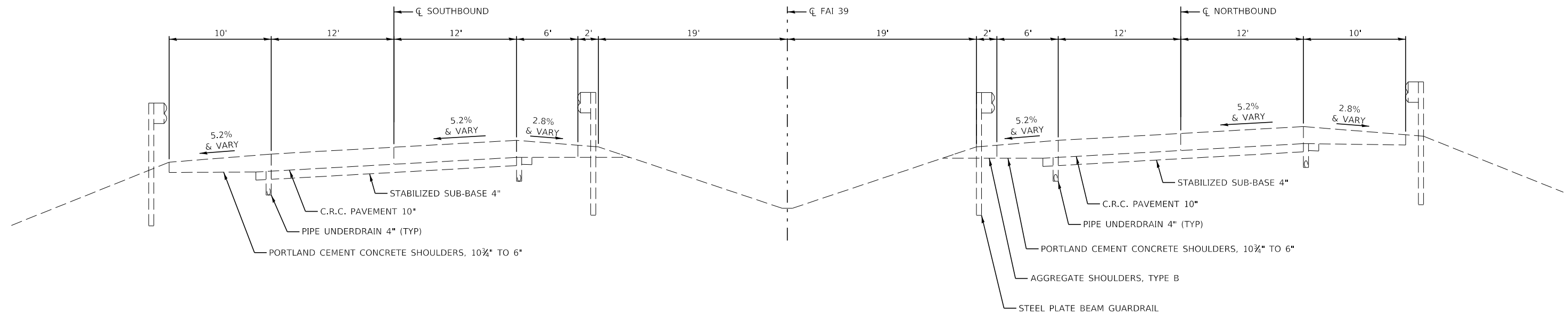
TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	MCLEAN	97	9
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

EXISTING TYPICAL SECTION F.A.I. 39 (2)

SB STA 340+68.00 TO STA 342+13.61
 SB STA 344+44.80 TO STA 345+85.95
 NB STA 340+89.00 TO STA 342+27.30
 NB STA 344+54.02 TO STA 345+98.06



OMISSIONS (STATIONED ALONG PROFILE GRADE LINE)

CLASS D PATCHES, TYPE II 11 INCH
 SB STA 340+62.00 TO STA 340+68.00
 SB STA 345+85.95 TO STA 345+92.00
 NB STA 340+83.00 TO STA 340+89.00
 NB STA 345+98.06 TO STA 346+04.00

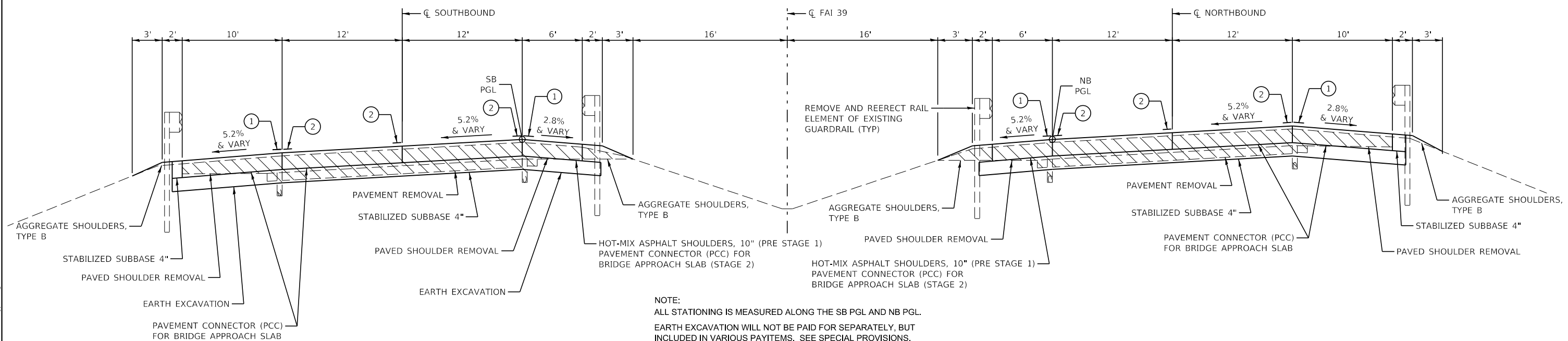
BRIDGE APPROACH PAVEMENT
 SB STA 342+13.62 TO STA 342+43.91
 SB STA 344+14.52 TO STA 344+44.80
 NB STA 342+27.30 TO STA 342+57.02
 NB STA 344+24.30 TO STA 344+54.02

SN 057-0205
 SB STA 342+43.38 TO STA 344+15.02
 SN 057-0206
 NB STA 342+56.52 TO STA 344+24.80

PROPOSED TYPICAL SECTION F.A.I. 39 (2)

SB STA 340+68.00 TO STA 342+13.61
 SB STA 344+44.80 TO STA 345+85.95
 NB STA 340+89.00 TO STA 342+27.30
 NB STA 344+54.02 TO STA 345+98.06

- ① SHOULDER RUMBLE STRIPS, 16"
 - ② POLYUREA PAVEMENT MARKING TYE II - LINE 4"
- REMOVE MEDIAN SHOULDER AND CONSTRUCT HOT-MIX ASPHALT SHOULDERS, 10" (PRE STAGE 1)
 SB STA 340+62.00 TO STA 342+43.90
 NB STA 340+83.00 TO STA 342+58.46
 SB STA 344+14.51 TO STA 345+92.00
 NB STA 344+25.36 TO STA 346+04.00



NOTE:
 ALL STATIONING IS MEASURED ALONG THE SB PGL AND NB PGL.
 EARTH EXCAVATION WILL NOT BE PAID FOR SEPARATELY, BUT INCLUDED IN VARIOUS PAYITEMS. SEE SPECIAL PROVISIONS.

MODEL: D:\cfs\it...
 FILE NAME: D570D65-shr-typical.dgn

CEC Cummins Engineering Corporation <small>Civil and Structural Engineering</small>	JOB = 2596.1	DESIGNED - NAK	REVISED -
	FILE NAME = D570D65-shr-typical.dgn	DRAWN - SJS	REVISED -
	PLOT SCALE = 10,0000' / in.	CHECKED - NAK	REVISED -
	PLOT DATE = 1/29/2020	DATE - 8/8/2019	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	MCLEAN	97	10
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

LOCATION	4200080	42001300	X5030250	Z0029090
	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	PROTECTIVE COAT	BRIDGE DECK GROOVING (LONGITUDINAL)	DIAMOND GRINDING (BRIDGE SECTION)
	SQ YD	SQ YD	SQ YD	SQ YD
SN 057-0210 (SB)				
LT STA. 290+73.00 TO STA. 291+49.77	253	253	188	280
LT STA. 292+79.55 TO STA. 293+34.85	284	284	167	310
SN 057-0211 (NB)				
RT STA. 290+98.64 TO STA. 291+80.27	396	396	235	423
RT STA. 293+11.41 TO STA. 293+84.29	285	285	174	312
SN 057-0208 (SB)				
LT STA. 302+84.03 TO STA. 303+49.58	265	265	157	292
LT STA. 305+60.10 TO STA. 306+14.58	262	262	159	289
SN 057-0209 (NB)				
RT STA. 302+84.03 TO STA. 303+49.58	266	266	162	292
RT STA. 305+60.10 TO STA. 306+14.58	262	262	156	289
SN 057-0205 (SB)				
LT STA. 340+68.00 TO STA. 342+13.62	631	631	380	658
LT STA. 344+44.80 TO STA. 345+85.45	629	629	377	656
SN 057-0206 (NB)				
RT STA. 340+89.00 TO STA. 342+27.30	631	631	378	658
RT STA. 344+54.02 TO STA. 345+98.06	639	639	384	666
TOTAL	4,803	4,803	*2,917	*5,125

LOCATION	LENGTH FOOT	WIDTH FOOT	AREA SQ YD	44201765	44201777
				CLASS D PATCHES TYPE II, 10 INCH	CLASS D PATCHES TYPE II, 11 INCH
				SQ YD	SQ YD
SN 057-0210 (SB)					
LT STA. 290+67.03 TO STA. 290+73.00	6	40	26.7	26.7	
LT STA. 293+34.85 TO STA. 293+40.82	6	40	26.7	26.7	
SN 057-0211 (NB)					
RT STA. 290+92.61 TO STA. 290+98.64	6	40	26.7	26.7	
RT STA. 293+84.29 TO STA. 293+90.32	6	40	26.7	26.7	
SN 057-0208 (SB)					
LT STA. 303+10.20 TO STA. 303+16.18	6	40	26.7	26.7	
LT STA. 306+42.24 TO STA. 306+48.24	6	40	26.7		26.7
SN 057-0209 (NB)					
RT STA. 302+78.00 TO STA. 302+84.03	6	40	26.7	26.7	
RT STA. 306+14.58 TO STA. 306+20.61	6	40	26.7		26.7
SN 057-0205 (SB)					
LT STA. 340+62.00 TO STA. 340+68.00	6	40	26.7		26.7
LT STA. 345+85.95 TO STA. 345+92.00	6	40	26.7		26.7
SN 057-0206 (NB)					
RT STA. 340+83.00 TO STA. 340+89.00	6	40	26.7		26.7
RT STA. 345+98.06 TO STA. 346+04.00	6	40	26.7		26.7
TOTAL				160.0	160.0
USE				160	160

LOCATION	WIDTH FOOT	48203037
		HOT-MIX ASPHALT SHOULDERS, 10"
		SQ YD
SN 057-0210 (SB)		
MEDIAN SHOULDER		
LT STA. 290+25.00 TO STA. 290+67.03	6	28.0
SN 057-0211 (NB)		
MEDIAN SHOULDER		
RT STA. 290+70.00 TO STA. 290+92.61	6	15.1
SN 057-0208 (SB)		
MEDIAN SHOULDER		
LT STA. 306+48.24 TO STA. 306+65.04	6	11.2
SN 057-0209 (NB)		
MEDIAN SHOULDER		
RT STA. 306+20.61 TO STA. 306+52.04	6	21.0
TOTAL		75.2
USE		75

LOCATION	SHOULDER RUMBLE STRIPS, 16 INCH	
		FOOT
		SN 057-0210 (SB)
MEDIAN SHOULDER		
LT STA. 290+25.00 TO STA. 290+67.03	42.0	
SN 057-0211 (NB)		
MEDIAN SHOULDER		
RT STA. 290+70.00 TO STA. 290+92.61	22.6	
SN 057-0208 (SB)		
MEDIAN SHOULDER		
LT STA. 306+48.24 TO STA. 306+65.04	16.8	
SN 057-0209 (NB)		
MEDIAN SHOULDER		
RT STA. 306+20.61 TO STA. 306+52.04	31.4	
TOTAL	112.9	
USE	113	

LOCATION	61000115	61000225
	TYPE E INLET BOX, STANDARD 610001	TYPE F INLET BOX, STANDARD 610001
	EACH	EACH
SN 057-0210		
LT STA. 292+90.54	1	
SN 057-0205		
LT STA. 341+97.27		1
LT STA. 344+46.50		1
SN 057-0206		
RT STA. 342+19.23	1	
RT STA. 344+60.05	1	
TOTAL	3	2

* SEE BILL OF MATERIAL ON BRIDGE PLANS FOR ADDITIONAL QUANTITIES

MODEL, MODELNAMES, FILE, MODEL, FILES



JOB = 2596.1	DESIGNED - CGF	REVISED -
FILE NAME = \$FILES\$	DRAWN - CGF	REVISED -
PLOT SCALE = \$SCALES\$	CHECKED - THF	REVISED -
PLOT DATE = \$DATES\$	DATE - 1/10/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1) BDS	MCLEAN	97	12
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

LOCATION	78100100		78300200
	RAISED REFLECTIVE PAVEMENT MARKER		RAISED REFLECTIVE PAVEMENT MARKER
	ONE-WAY CRYSTAL EACH	TWO-WAY AMBER EACH	REMOVAL EACH
SN 057-0210 (SB)			
LT STA. 290+67.03 TO STA. 291+79.40	7	4	10
LT STA. 292+49.67 TO STA. 293+40.82	6	3	9
SN 057-0211 (NB)			
RT STA. 290+92.61 TO STA. 292+10.20	7	4	11
RT STA. 292+81.22 TO STA. 293+90.32	6	4	10
SN 057-0208 (SB)			
LT STA. 303+10.20 TO STA. 304+00.09	5	3	9
LT STA. 305+49.19 TO STA. 306+48.24	6	3	9
SN 057-0209 (NB)			
RT STA. 302+78.00 TO STA. 303+79.77	6	4	10
RT STA. 305+30.19 TO STA. 306+20.61	6	3	9
SN 057-0205 (SB)			
LT STA. 340+62.00 TO STA. 342+43.38	10	6	16
LT STA. 344+15.02 TO STA. 345+92.00	10	5	15
SN 057-0206 (NB)			
RT STA. 340+83.00 TO STA. 342+56.52	10	5	15
RT STA. 344+24.80 TO STA. 346+04.00	10	5	15
TOTAL	88	50	138
USE	138		

LOCATION	Z0004552
	APPROACH SLAB REMOVAL
	SQ YD
SN 057-0210 (SB)	
LT STA. 291+43.70 TO STA. 291+73.10	134.6
LT STA. 292+43.30 TO STA. 292+73.20	134.2
SN 057-0211 (NB)	
RT STA. 291+80.60 TO STA. 292+17.50	96.1
RT STA. 292+88.40 TO STA. 293+24.00	93.7
SN 057-0208 (SB)	
LT STA. 303+75.60 TO STA. 304+05.30	134.9
LT STA. 303+75.60 TO STA. 305+83.30	130.4
SN 057-0209 (NB)	
RT STA. 303+47.00 TO STA. 303+76.00	76.0
RT STA. 305+26.50 TO STA. 305+60.70	91.9
SN 057-0205 (SB)	
LT STA. 341+37.80 TO STA. 342+41.40	274.0
LT STA. 344+12.50 TO STA. 345+15.80	272.5
SN 057-0206 (NB)	
RT STA. 340+83.00 TO STA. 341+57.80	273.2
RT STA. 344+26.60 TO STA. 345+27.20	273.9
TOTAL	1985.3
USE	1,985

LOCATION	78008310		X7830070
	POLYUREA PAVEMENT MARKING TYPE II - LINE 4"		GROOVING FOR RECESSED PAVEMENT MARKING 5"
	WHITE FOOT	YELLOW FOOT	FOOT
SN 057-0210 (SB)			
SOLID WHITE EDGE LINE			
LT STA. 290+67.03 TO STA. 293+40.82	274		274
SOLID YELLOW EDGE LINE			
LT STA. 290+25.00 TO STA. 293+40.82		316	316
WHITE SKIP DASH			
LT STA. 290+67.03 TO STA. 293+40.82	68		68
SN 057-0211 (NB)			
SOLID WHITE EDGE LINE			
RT STA. 290+92.61 TO STA. 293+90.32	298		298
SOLID YELLOW EDGE LINE			
RT STA. 290+70.00 TO STA. 293+90.32		320	320
WHITE SKIP DASH			
RT STA. 290+92.61 TO STA. 293+90.32	75		75
SN 057-0208 (SB)			
SOLID WHITE EDGE LINE			
LT STA. 303+10.20 TO STA. 306+48.24	338		338
SOLID YELLOW EDGE LINE			
LT STA. 290+25.00 TO STA. 306+64.04		1639	1639
WHITE SKIP DASH			
LT STA. 303+10.20 TO STA. 306+48.24	85		85
SN 057-0209 (NB)			
SOLID WHITE EDGE LINE			
RT STA. 302+78.00 TO STA. 306+20.61	343		343
SOLID YELLOW EDGE LINE			
RT STA. 302+78.00 TO STA. 306+52.04		374	374
WHITE SKIP DASH			
RT STA. 302+78.00 TO STA. 306+20.61	86		86
SN 057-0205 (SB)			
SOLID WHITE EDGE LINE			
LT STA. 340+62.00 TO STA. 345+92.00	530		530
SOLID YELLOW EDGE LINE			
LT STA. 340+62.00 TO STA. 345+92.00		530	530
WHITE SKIP DASH			
LT STA. 340+62.00 TO STA. 345+92.00	133		133
SN 057-0206 (NB)			
SOLID WHITE EDGE LINE			
RT STA. 340+83.00 TO STA. 346+04.00	521		521
SOLID YELLOW EDGE LINE			
RT STA. 340+83.00 TO STA. 346+04.00		521	521
WHITE SKIP DASH			
RT STA. 340+83.00 TO STA. 346+04.00	130		130
TOTAL	2,880	3,700	6,580
USE	6,580		

LOCATION	70400100	70400200
	TEMPORARY CONCRETE BARRIER FOOT	RELOCATE TEMPORARY CONCRETE BARRIER FOOT
SN 057-0210 (SB)		
STAGE 1		
STA. 290+44.62 TO STA. 295+66.19	525.0	
STAGE 2		
STA. 290+44.66 TO STA. 295+53.88		512.5
SN 057-0211 (NB)		
STAGE 1		
STA. 288+94.35 TO STA. 294+20.79	525.0	
STAGE 2		
STA. 288+90.06 TO STA. 294+13.18		512.5
SN 057-0208 (SB)		
STAGE 1		
STA. 302+75.10 TO STA. 308+72.70	600.0	
STAGE 2		
STA. 302+87.59 TO STA. 308+60.03		575.0
SN 057-0209 (NB)		
STAGE 1		
STA. 300+49.10 TO STA. 306+51.54	600.0	
STAGE 2		
STA. 300+70.72 TO STA. 306+48.32		575.0
SN 057-0205 (SB)		
STAGE 1		
STA. 340+37.00 TO STA. 348+19.94	775.0	
STAGE 2		
STA. 340+36.97 TO STA. 348+06.71		762.5
SN 057-0206 (NB)		
STAGE 1		
STA. 338+58.72 TO STA. 346+28.69	775.0	
STAGE 2		
STA. 338+71.94 TO STA. 346+27.98		762.5
TOTAL	3,800.0	3,700.0

LOCATION	61000050
	CONCRETE THRUST BLOCKS
	EACH
SN 057-0205	
LT STA. 341+97.27	1
LT STA. 344+46.50	1
TOTAL	2

MODEL Default
FILE Name: D570D65-sht-schedules.dgn



JOB = 2596.1
FILE NAME = D570D65-sht-schedules.dgn
PLOT SCALE = 20.0000' / in.
PLOT DATE = 1/30/2020

DESIGNED - CGF
DRAWN - CGF
CHECKED - THF
DATE - 1/10/2020

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES OF QUANTITIES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1) BDS	MCLEAN	97	13
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

LOCATION	63302700	63300575	X6330103
	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 6 EACH	REMOVE AND REERECT RAIL ELEMENT OF EXISTING GUARDRAIL FOOT	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE 1 EACH
SN 057-0210 (SB)			
SB MEDIAN			
RT STA. 292+53.68 TO STA. 295+66.18	1	225.0	1
SB OUTSIDE			
LT STA. 292+30.17 TO STA. 294+42.67	1	125.0	1
SN 057-0211 (NB)			
NB MEDIAN			
RT STA. 292+07.24 TO STA. 289+19.74	1	200.0	1
NB OUTSIDE			
LT STA. 292+31.10 TO STA. 289+81.10	1	162.5	1
SN 057-0208 (SB)			
SB MEDIAN			
RT STA. 305+47.05	1	212.5	1
SB OUTSIDE			
LT STA. 305+62.07	1	137.5	1
SN 057-0209 (NB)			
NB MEDIAN			
RT STA. 303+83.44	1	175.0	1
NB OUTSIDE			
LT STA. 303+67.07	1	187.5	1
SN 057-0205 (SB)			
SB MEDIAN			
RT STA. 344+15.62	1	137.5	1
SB OUTSIDE			
LT STA. 344+08.24	1	200.0	1
SN 057-0206 (NB)			
NB MEDIAN			
RT STA. 342+56.03	1	200.0	1
NB OUTSIDE			
LT STA. 342+65.24	1	637.5	1
TOTAL	12	2600.0	12

LOCATION	X7040125
	PINNING TEMPORARY CONCRETE BARRIER EACH
SN 057-0210 (SB)	
STAGE 1	
LT STA. 293+68.13 TO STA. 290+94.05	16
STAGE 2	
LT STA. 293+66.77 TO STA. 295+53.88	15
SN 057-0211 (NB)	
STAGE 1	
RT STA. 288+94.35 TO STA. 290+94.05	16
STAGE 2	
RT STA. 288+90.06 TO STA. 290+87.21	15
SN 057-0208 (SB)	
STAGE 1	
LT STA. 306+73.42 TO STA. 308+72.70	16
STAGE 2	
LT STA. 307+23.11 TO STA. 308+60.03	15
SN 057-0209 (NB)	
STAGE 1	
RT STA. 300+49.10 TO STA. 302+49.77	16
STAGE 2	
RT STA. 300+70.72 TO STA. 302+58.50	15
SN 057-0205 (SB)	
STAGE 1	
LT STA. 346+17.50 TO STA. 348+19.94	16
STAGE 2	
LT STA. 346+17.68 TO STA. 348+06.71	15
SN 057-0206 (NB)	
STAGE 1	
RT STA. 338+58.72 TO STA. 340+58.01	16
STAGE 2	
RT STA. 338+71.94 TO STA. 340+58.93	15
TOTAL	186

LOCATION	70600250	70600350
	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3 EACH	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3 EACH
SN 057-0210 (SB)		
STAGE 1		
LT STA. 295+66.19	1	
STAGE 2		
LT STA. 295+53.88		1
SN 057-0211 (NB)		
STAGE 1		
RT STA. 288+94.35	1	
STAGE 2		
RT STA. 288+90.06		1
SN 057-0208 (SB)		
STAGE 1		
LT STA. 308+72.70	1	
STAGE 2		
LT STA. 308+60.03		1
SN 057-0209 (NB)		
STAGE 1		
RT STA. 300+49.10	1	
STAGE 2		
RT STA. 300+70.72		1
SN 057-0205 (SB)		
STAGE 1		
LT STA. 348+19.94	1	
STAGE 2		
LT STA. 348+06.71		1
SN 057-0206 (NB)		
STAGE 1		
RT STA. 338+58.72	1	
STAGE 2		
RT STA. 338+71.94		1
TOTAL	6	6

LOCATION	60500305
	FILLING INLETS EACH
SN 057-0210	
LT STA. 292+90.54	1
SN 057-0205	
LT STA. 341+97.27	1
LT STA. 344+46.50	1
SN 057-0206	
RT STA. 342+19.23	1
RT STA. 344+60.05	1
TOTAL	5

LOCATION	60600605
	CONCRETE CURB, TYPE B FOOT
SN 057-0210	
LT STA. 292+90.54	45
SN 057-0205	
LT STA. 341+97.27	172
LT STA. 344+46.50	180
SN 057-0206	
RT STA. 342+19.23	45
RT STA. 344+60.05	45
TOTAL	487

LOCATION	54213447
	END SECTIONS 12" EACH
SN 057-0210	
LT STA. 292+90.54	1
SN 057-0205	
LT STA. 341+97.27	1
LT STA. 344+46.50	1
SN 057-0206	
RT STA. 344+60.05	1
TOTAL	4

MODEL & MODEL NAMES
FILE NUMBER: 31113



JOB = 2596.1
FILE NAME = \$FILES\$
PLOT SCALE = \$SCALES\$
PLOT DATE = \$DATES\$

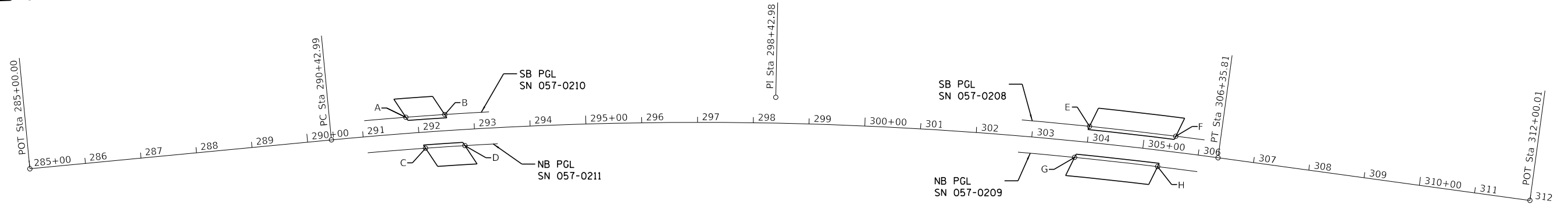
DESIGNED - CGF
DRAWN - CGF
CHECKED - THF
DATE - 1/10/2020
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULES OF QUANTITIES

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

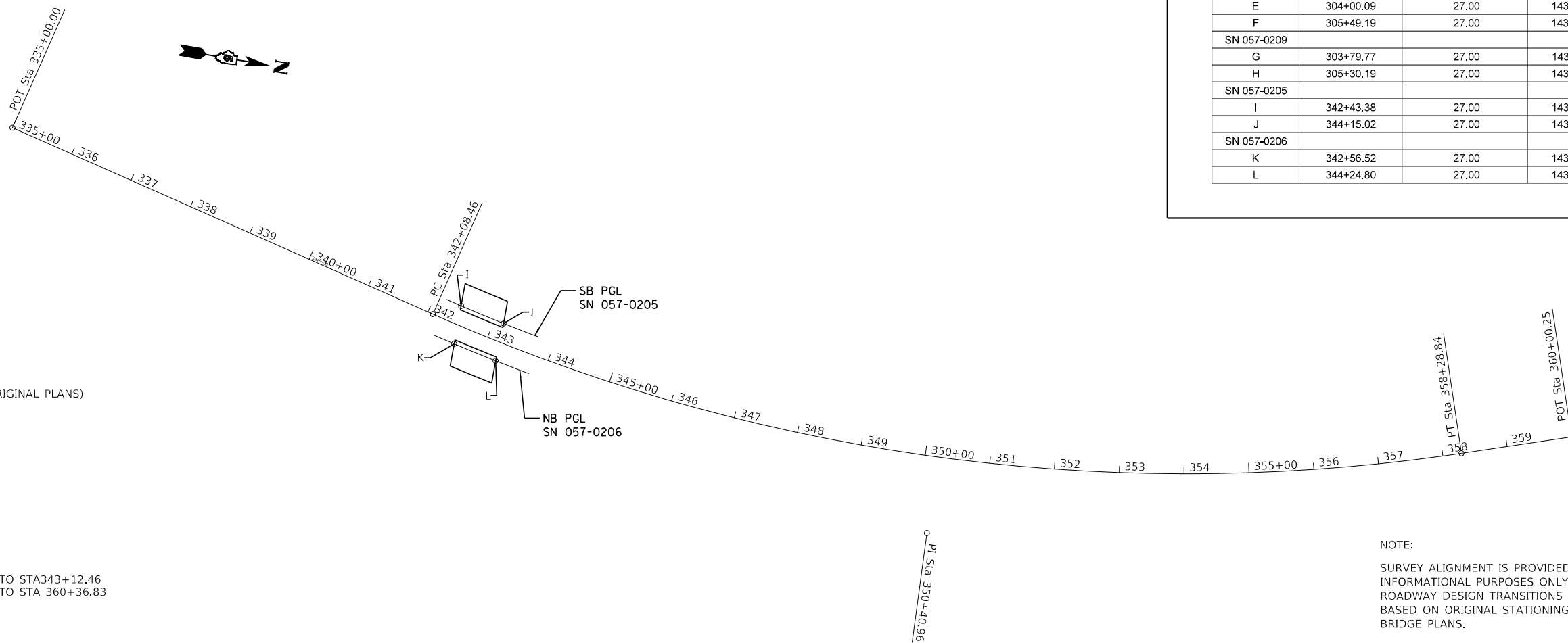
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1) BDS	MCLEAN	97	14
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				



EXIST. CURV310 (PER ORIGINAL PLANS)

PI STA. = 298+42.98
 $\Delta = 13^\circ 16' 24''$ (RT)
 $D = 0^\circ 50' 00''$
 $R = 6,875.49'$
 $T = 799.99'$
 $L = 1,592.81'$
 $E = 46.38'$
 $e = 0.028''$
 $T.R. = 64$
 $S.E. RUN = 191$
 $P.C. STA. = 290+42.99$
 $P.T. STA. = 306+35.80$
 $S.E. TRANS. FROM 288+72.99 TO STA 291+27.99$
 $S.E. TRANS. FROM 305+50.80 TO STA 308+05.80$

I-39				
CONTROL POINT	STATION	OFFSET TO PGL (FOOT)	COORDINATES	
			NORTHING	EASTING
SN 057-0210				
A	291+79.40	27.00	1430415.94	798302.37
B	292+49.67	27.00	1430516.42	798305.77
SN 057-0211				
C	292+10.20	27.00	1430445.18	798357.24
D	292+81.22	27.00	1430515.88	798359.14
SN 057-0208				
E	304+00.09	27.00	1431631.65	798443.60
F	305+49.19	27.00	1431777.87	798475.64
SN 057-0209				
G	303+79.77	27.00	1431600.85	798492.38
H	305+30.19	27.00	1431747.29	798524.03
SN 057-0205				
I	342+43.38	27.00	1435435.24	799363.07
J	344+15.02	27.00	1435601.97	799396.21
SN 057-0206				
K	342+56.52	27.00	1435436.05	799418.64
L	344+24.80	27.00	1435602.78	799451.08



EXIST. CURVE CURV68 (PER ORIGINAL PLANS)

PI STA. = 350+40.96
 $\Delta = 32^\circ 24' 27''$ (LT)
 $D = 2^\circ 00' 00''$
 $R = 2,864.79'$
 $T = 832.50'$
 $L = 1,620.37'$
 $E = 118.51'$
 $e = 0.052''$
 $T.R. = 78$
 $S.E. RUN = 234$
 $P.C. STA. = 342+08.46$
 $P.T. STA. = 358+28.83$
 $S.E. TRANS. FROM 340+00.46 TO STA 343+12.46$
 $S.E. TRANS. FROM 357+24.83 TO STA 360+36.83$

NOTE:
 SURVEY ALIGNMENT IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY. ALL ROADWAY DESIGN TRANSITIONS ARE BASED ON ORIGINAL STATIONING FROM BRIDGE PLANS.

MODEL: \$MODELNAME\$
 FILE NAME: \$FILES\$
 FILE NUMBER: \$FILES\$



JOB = 2596.1
 FILE NAME = \$FILES\$
 PLOT SCALE = \$SCALES\$
 PLOT DATE = \$DATES\$

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 8/8/2019

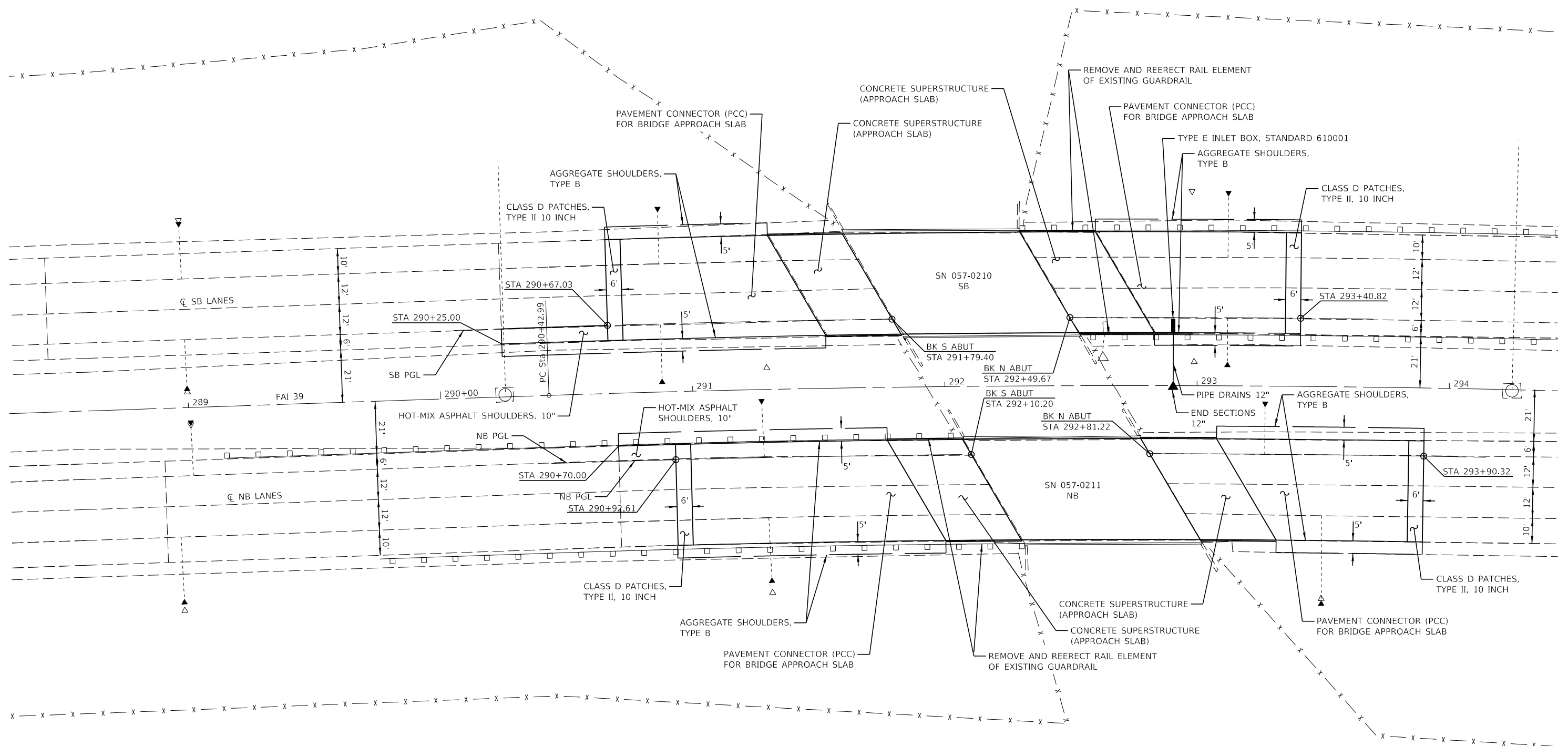
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 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT SHEET

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	MCLEAN	97	15
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				



MODEL: Default
 FILE NAME: D570D65-shr-plan.dgn



JOB = 2596.1
FILE NAME = D570D65-shr-plan.dgn
PLOT SCALE = 40,0000' / in.
PLOT DATE = 1/29/2020

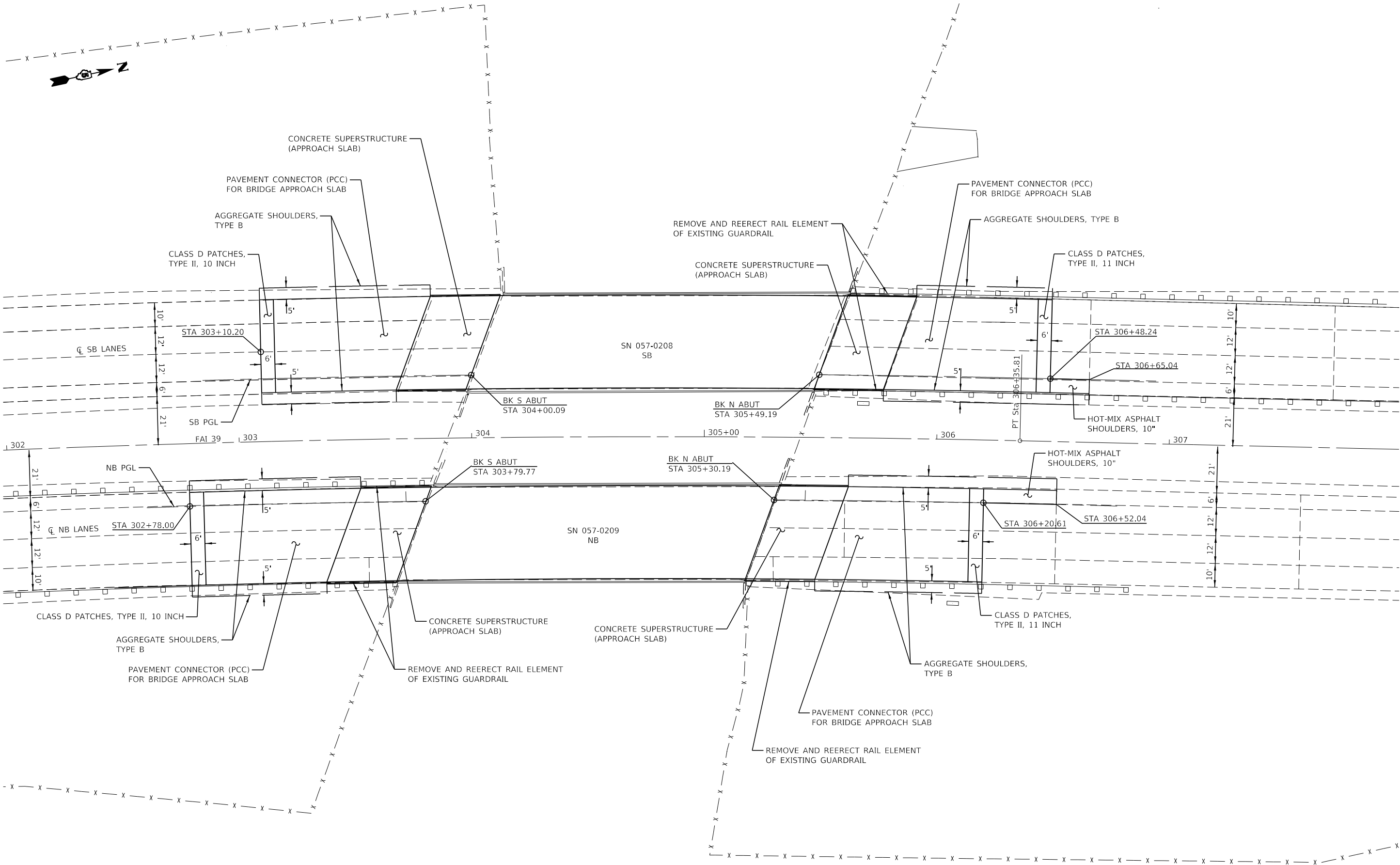
DESIGNED - NAK
DRAWN - SJS
CHECKED - NAK
DATE - 7/20/2019

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

I-39 PLAN SHEETS			
(SN 057-0210 & 057-0211)			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1) BDS	MCLEAN	97	16
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				



MODEL: D:\cfs\it...
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CEC Cummins
 Engineering
 Corporation
 Civil and Structural Engineering

JOB = 2596.1
 FILE NAME = D570D65-shr-plan.dgn
 PLOT SCALE = 40,0000' / in.
 PLOT DATE = 1/29/2020

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 7/20/2019

REVISED -
 REVISED -
 REVISED -
 REVISED -

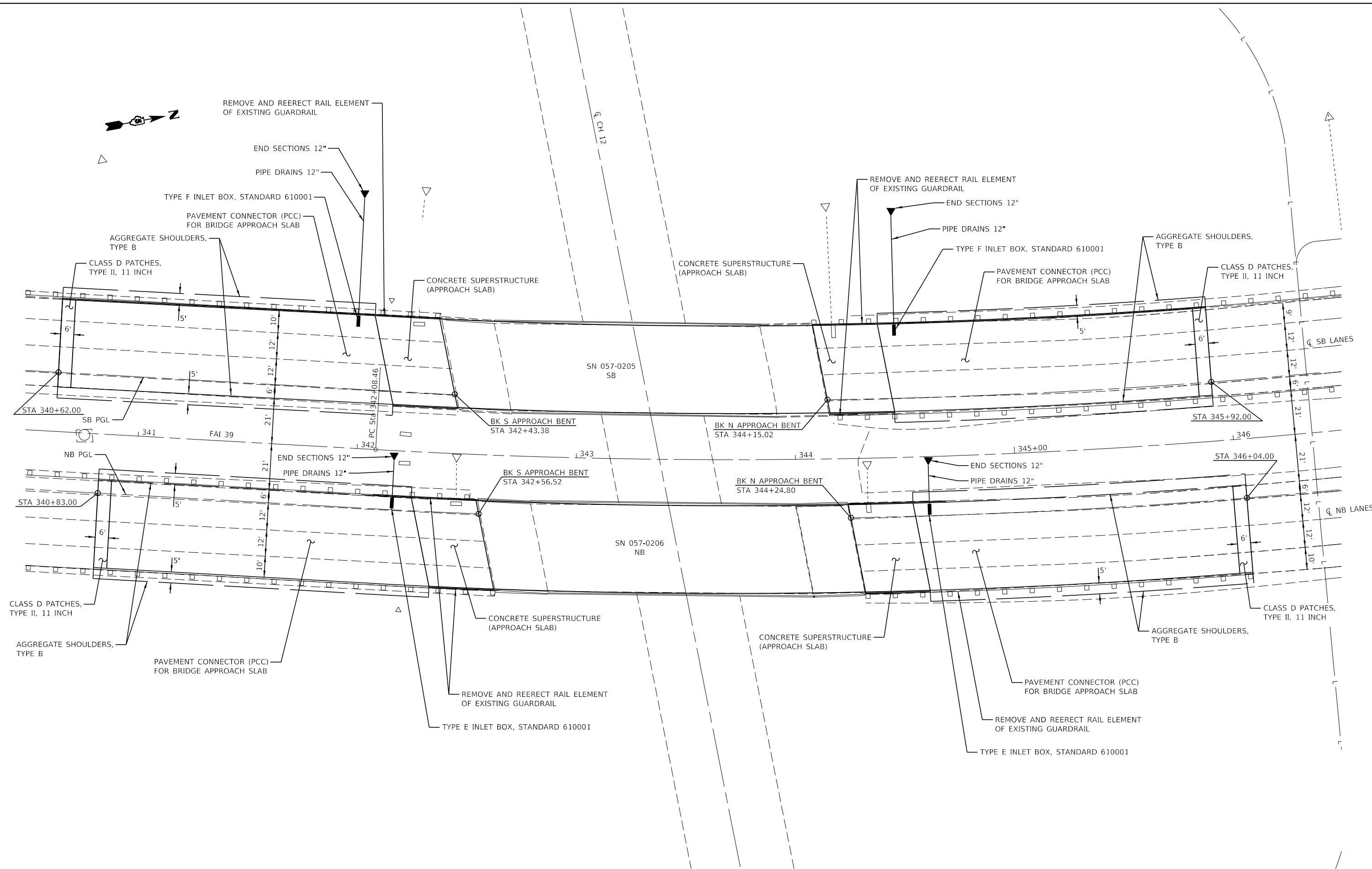
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

I-39 PLAN SHEETS
(SN 057-0208 & SN 057-0209)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1) BDS	MCLEAN	97	17
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: D570D65-shr-plan.dgn



CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

JOB = 2596.1
FILE NAME = D570D65-shr-plan.dgn
PLOT SCALE = 40,0000' / in.
PLOT DATE = 1/30/2020

DESIGNED - NAK
DRAWN - SJS
CHECKED - NAK
DATE - 7/20/2019

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-39 PLAN SHEETS
(SN 057-0205 & SN 057-0206)**

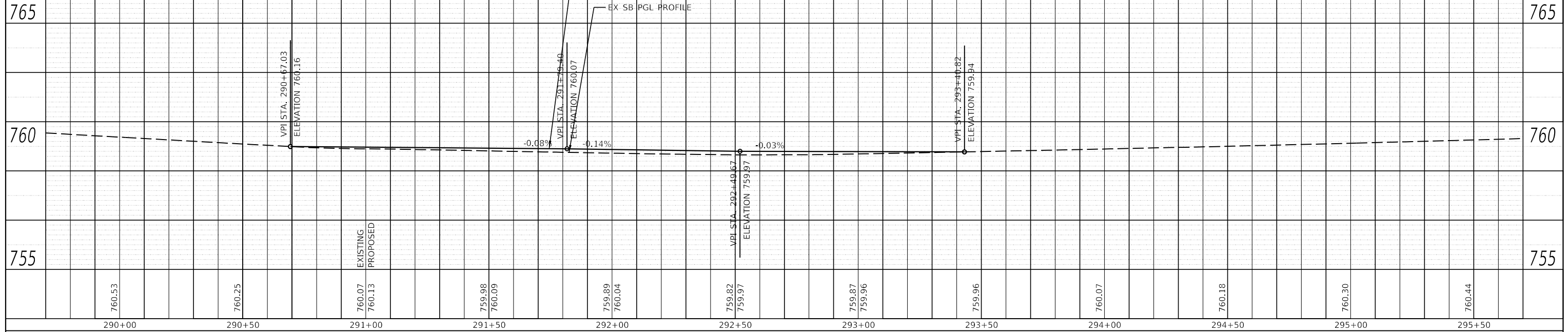
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1) BDS	MCLEAN	97	18
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

SN 057-0210

NOTE:
ALL PROFILE ELEVATIONS SHOWN ARE
AFTER DIAMOND GRINDING IS COMPLETE.

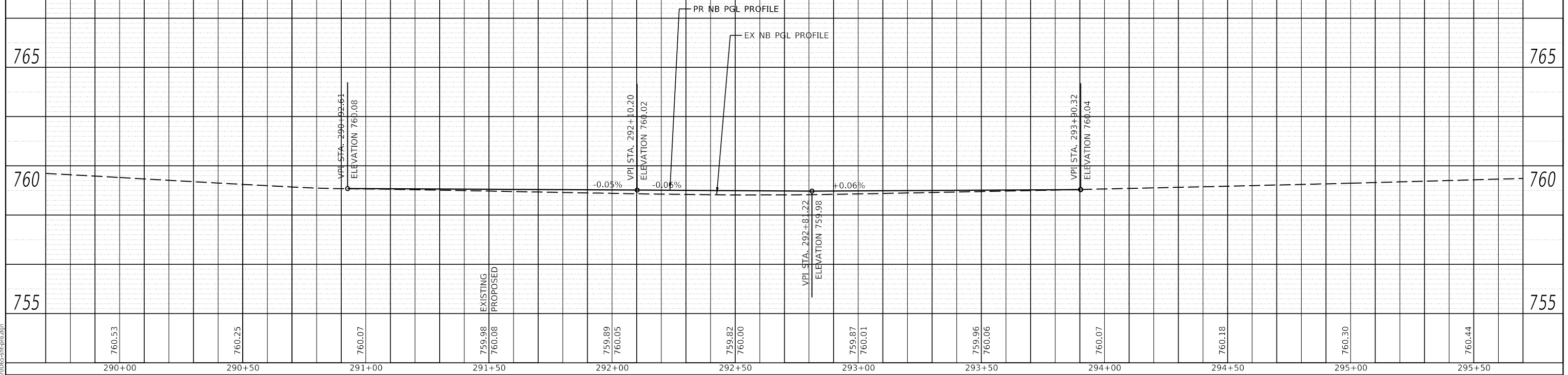
PLAN	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	ALIGNMENT CHECKED		
	GRADE CHECKED		
	CADD FILE NAME		



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		

SN 057-0211

NOTE:
ALL PROFILE ELEVATIONS SHOWN ARE
AFTER DIAMOND GRINDING IS COMPLETE.



MODEL: Default
FILE NAME: D:\70065-sht-pro.dgn

CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

JOB = 2596.1
FILE NAME = D:\70065-sht-pro.dgn
PLOT SCALE = 40,000' / 1 in.
PLOT DATE = 1/29/2020

DESIGNED - NAK
DRAWN - SJS
CHECKED - NAK
DATE - 8/8/2019

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-39 PROFILE SHEETS
(SN 057-0210 AND 057-0211)

SCALE: SHEET OF SHEETS STA. TO STA.

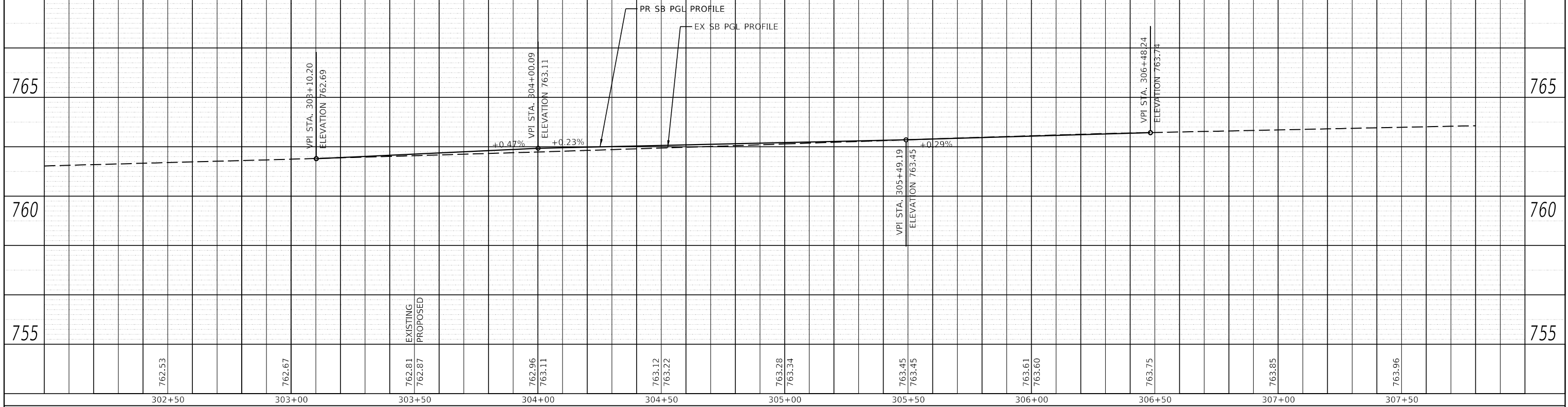
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	MCLEAN	97	19
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	ALIGNMENT CHECKED		
	GRADE CHECKED		
	STRUCTURE NOTATION CHECKED		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE NOTATION CHECKED		

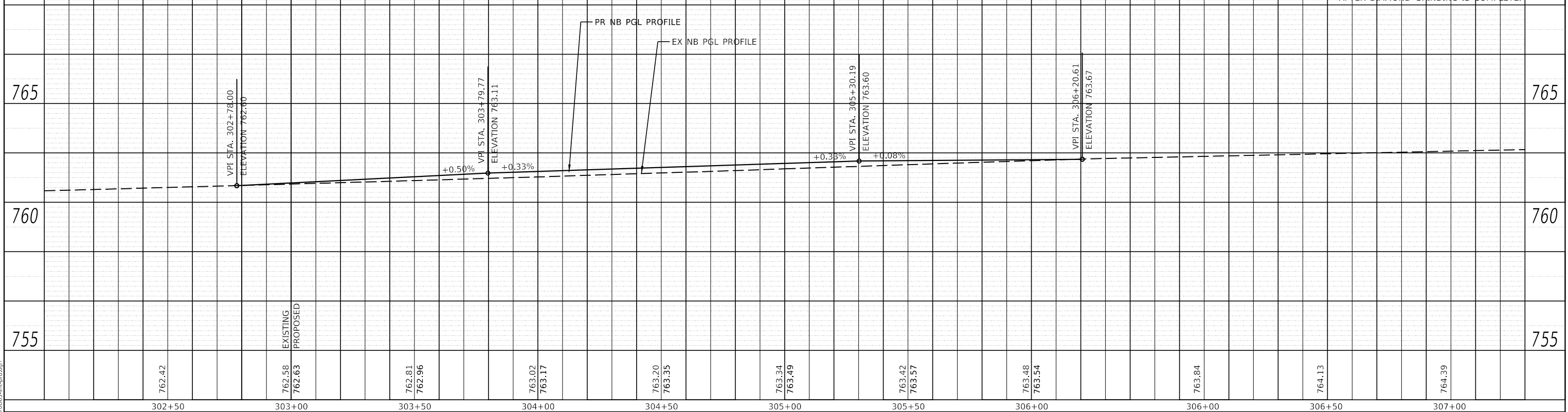
SN 057-0208

NOTE:
ALL PROFILE ELEVATIONS SHOWN ARE
AFTER DIAMOND GRINDING IS COMPLETE.



SN 057-0209

NOTE:
ALL PROFILE ELEVATIONS SHOWN ARE
AFTER DIAMOND GRINDING IS COMPLETE.



MODEL: Default
FILE NAME: D:\570065-sht-pro.dgn

CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

JOB = 2596.1
FILE NAME = D570065-sht-pro.dgn
PLOT SCALE = 40,0000' / 1 in.
PLOT DATE = 1/29/2020

DESIGNED -	NAK	REVISED -	
DRAWN -	SJS	REVISED -	
CHECKED -	NAK	REVISED -	
DATE -	8/8/2019	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

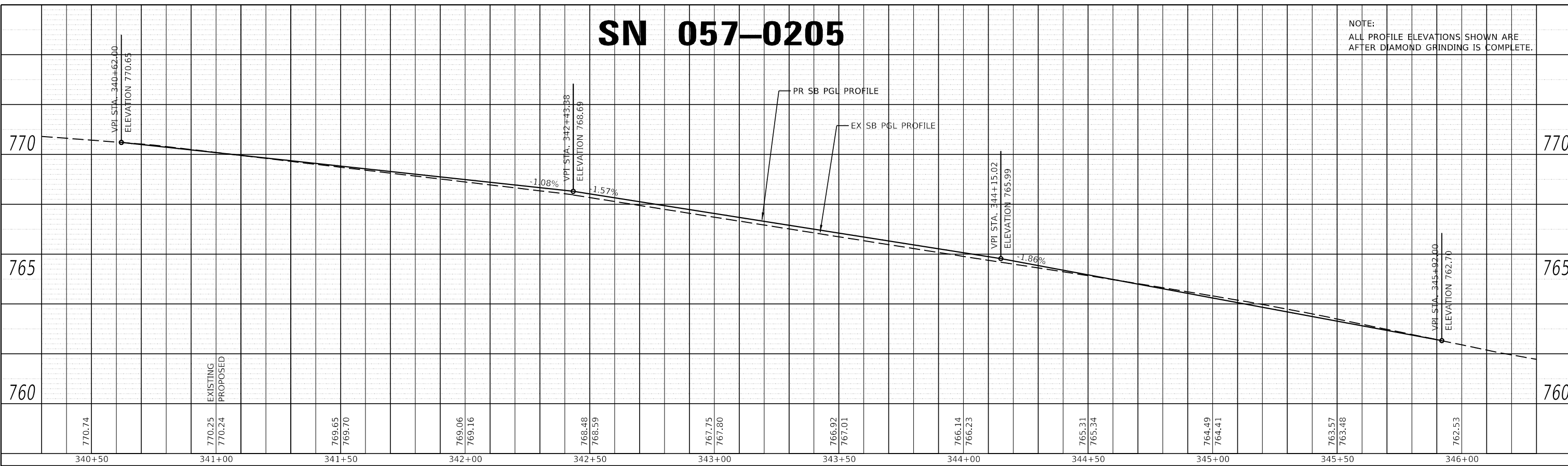
I-39 PROFILE SHEETS
(SN 057-0208 AND 057-0209)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	MCLEAN	97	20
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

SN 057-0205

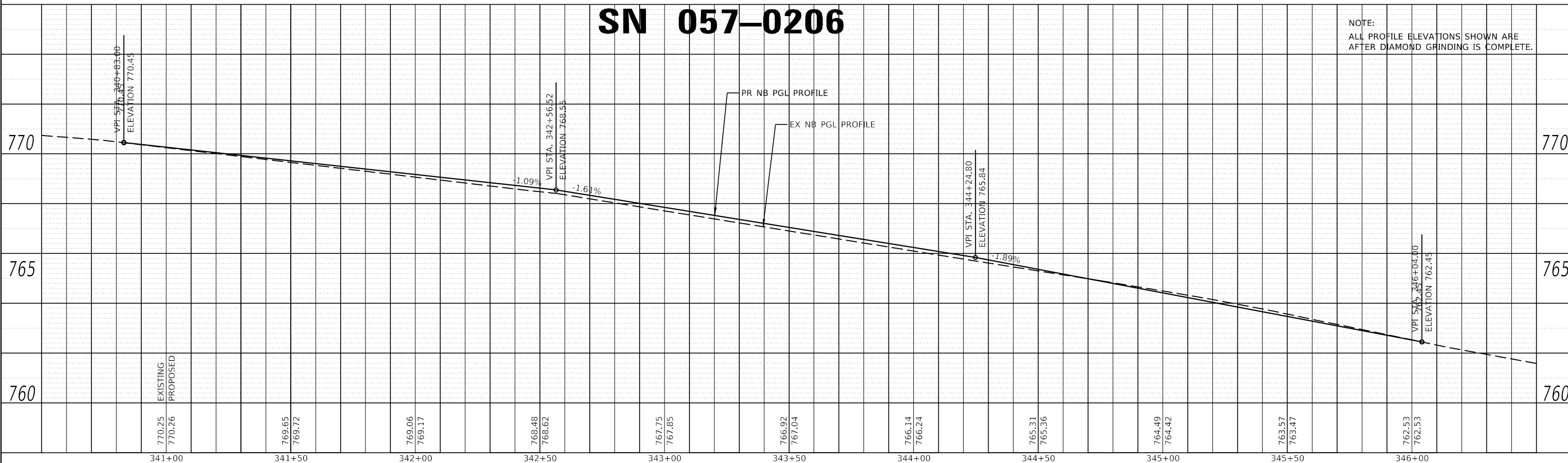
NOTE:
ALL PROFILE ELEVATIONS SHOWN ARE
AFTER DIAMOND GRINDING IS COMPLETE.



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	
	CADD FILE NAME	

SN 057-0206

NOTE:
ALL PROFILE ELEVATIONS SHOWN ARE
AFTER DIAMOND GRINDING IS COMPLETE.



PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	NOTE BOOK	
	NO.	
	STRUCTURE NOTATIONS CHECKED	

CEC Cummins Engineering Corporation	Job = 2596.1
Civil and Structural Engineering	FILE NAME = D570065-sht-pro.dgn
	PLOT SCALE = 40,0000' / 1 in.
	PLOT DATE = 1/29/2020

DESIGNED - NAK	REVISED -
DRAWN - SJS	REVISED -
CHECKED - NAK	REVISED -
DATE - 8/8/2019	REVISED -

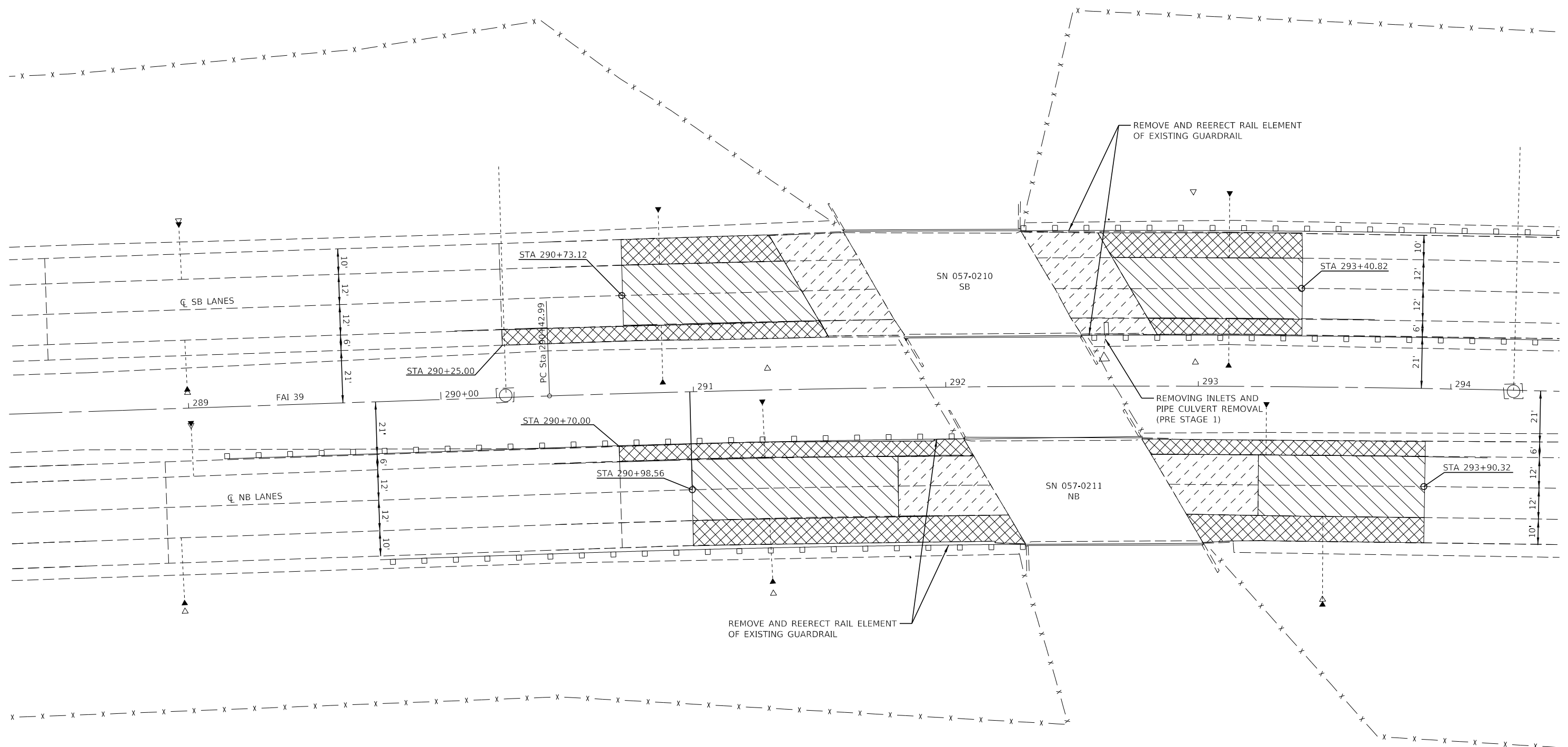
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-39 PROFILE SHEETS
(SN 057-0205 AND 057-0206)

SCALE: SHEET OF SHEETS STA. TO STA.

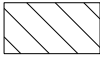
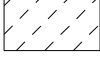

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	MCLEAN	97	21
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE NAME: D570065-sht-pro.dgn



1. REMOVE MEDIAN SHOULDER (PAVED SHOULDER REMOVAL) AND CONSTRUCT HOT-MIX ASPHALT SHOULDERS, 10" PRIOR TO STARTING STAGE 1 CONSTRUCTION. A PORTION OF THE HOT-MIX ASPHALT SHOULDER CONSTRUCTED PRIOR TO STAGE 1 SHALL BE REMOVED IN STAGE 2 AND REPLACED PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB AND THE CONCRETE SUPERSTRUCTURE (APPROACH SLAB).

LEGEND

-  PAVEMENT REMOVAL
-  APPROACH SLAB REMOVAL
-  PAVED SHOULDER REMOVAL

MODEL: Default
FILE NAME: D570D65-sht-plan.dgn

CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

JOB = 2596.1
FILE NAME = D570D65-sht-plan.dgn
PLOT SCALE = 40,0000' / in.
PLOT DATE = 1/29/2020

DESIGNED - NAK
DRAWN - SJS
CHECKED - NAK
DATE - 7/20/2019

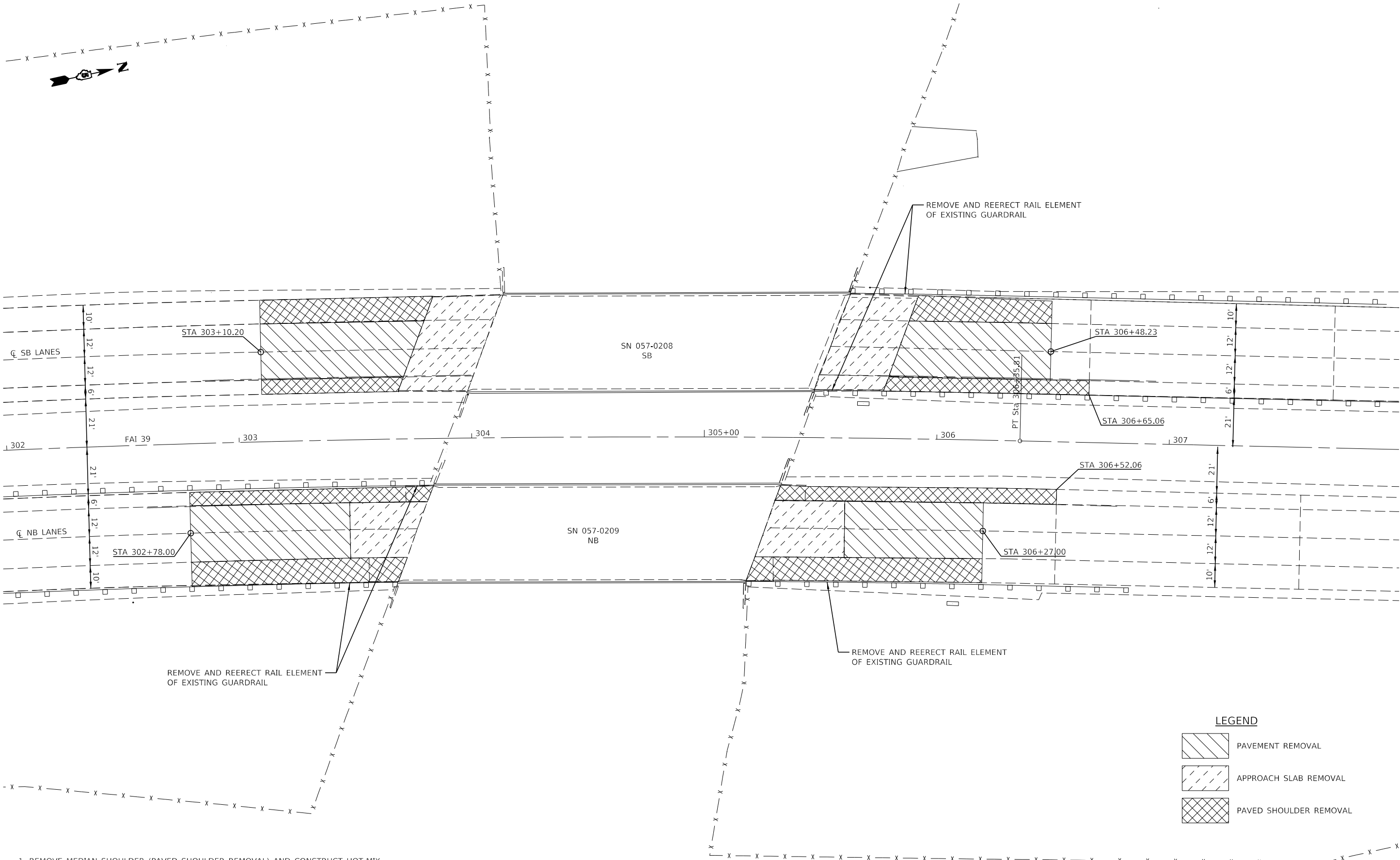
REVISED -
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REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**




**I-39 REMOVAL SHEETS
(SN 057-0210 & SN 057-0211)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1) BDS	MCLEAN	97	22
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				



LEGEND

-  PAVEMENT REMOVAL
-  APPROACH SLAB REMOVAL
-  PAVED SHOULDER REMOVAL

1. REMOVE MEDIAN SHOULDER (PAVED SHOULDER REMOVAL) AND CONSTRUCT HOT-MIX ASPHALT SHOULDERS, 10" PRIOR TO STARTING STAGE 1 CONSTRUCTION. A PORTION OF THE HOT-MIX ASPHALT SHOULDER CONSTRUCTED PRIOR TO STAGE 1 SHALL BE REMOVED IN STAGE 2 AND REPLACED PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB AND THE CONCRETE SUPERSTRUCTURE (APPROACH SLAB).

MODEL: Default
 FILE NAME: D570D65-shr-plan.dgn



JOB = 2596.1
FILE NAME = D570D65-shr-plan.dgn
PLOT SCALE = 40,0000' / in.
PLOT DATE = 1/29/2020

DESIGNED - NAK
DRAWN - SJS
CHECKED - NAK
DATE - 7/20/2019

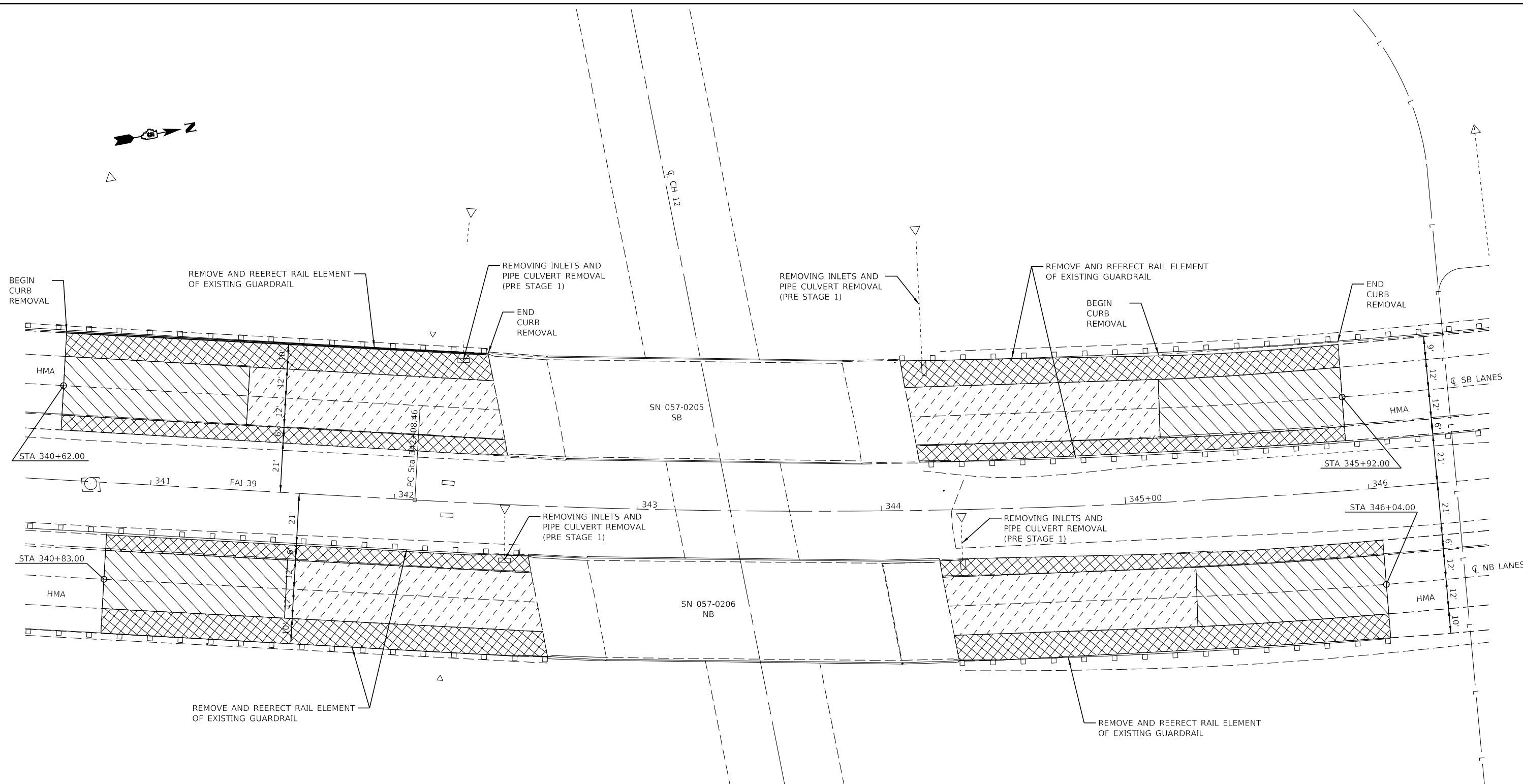
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-39 REMOVAL SHEETS
(SN 057-0208 & SN 057-0209)**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1) BDS	MCLEAN	97	23
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				



1. REMOVE MEDIAN SHOULDER (PAVED SHOULDER REMOVAL) AND CONSTRUCT HOT-MIX ASPHALT SHOULDERS, 10" PRIOR TO STARTING STAGE 1 CONSTRUCTION. A PORTION OF THE HOT-MIX ASPHALT SHOULDER CONSTRUCTED PRIOR TO STAGE 1 SHALL BE REMOVED IN STAGE 2 AND REPLACED PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB AND THE CONCRETE SUPERSTRUCTURE (APPROACH SLAB).

LEGEND

	PAVEMENT REMOVAL
	APPROACH SLAB REMOVAL
	PAVED SHOULDER REMOVAL

MODEL: Default
 FILE NAME: D570D65-sht-plan.dgn



JOB = 2596.1
 FILE NAME = D570D65-sht-plan.dgn
 PLOT SCALE = 40,0000' / in.
 PLOT DATE = 1/29/2020

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 7/20/2019

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**


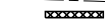



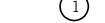


**I-39 REMOVAL SHEETS
 (SN 057-0205 & SN 057-0206)**

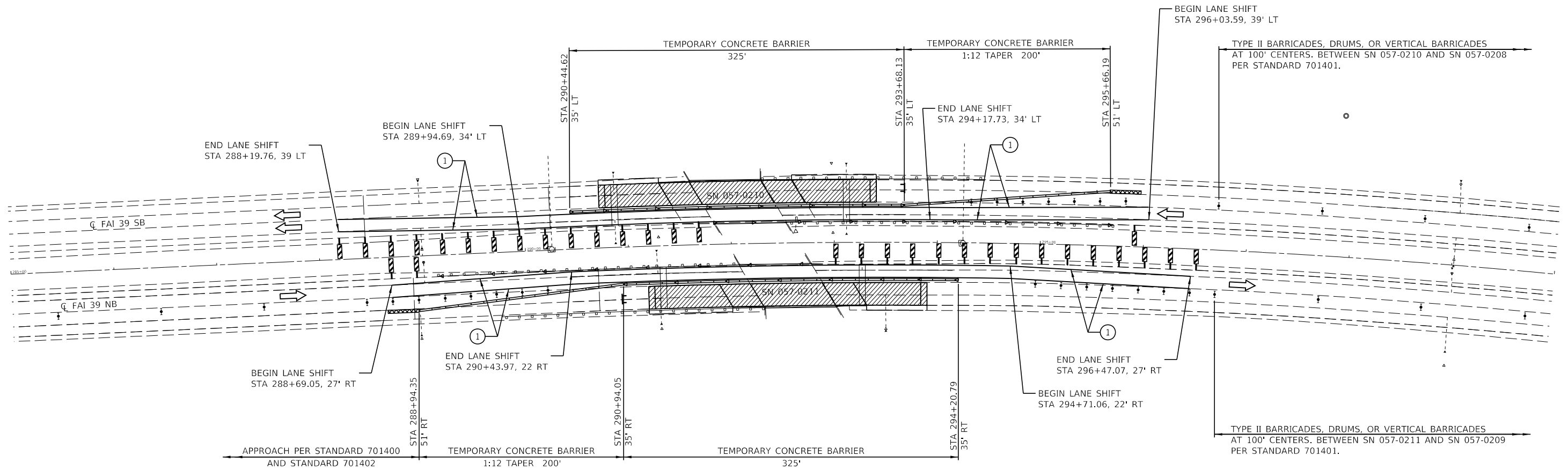
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1) BDS	MCLEAN	97	24
CONTRACT NO. 70D65				
		ILLINOIS	FED. AID PROJECT	



LEGEND

-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
-  TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES WITH STEADY BURN MONODIRECTIONAL LIGHTS
-  REFLECTORIZED TEMPORARY MARKING TAPE
-  TYPE III BARRICADE
-  MONODIRECTIONAL GUARDRAIL/BARRIER WALL REFLECTOR
-  WORK ZONE
-  VERTICAL PANEL (BACK TO BACK) AT 25' CENTERS



MAINTENANCE OF TRAFFIC NOTES

1. SEE TRAFFIC CONTROL AND PROTECTION STANDARDS 701400, 701401, 701402, 701411, AND 704001 FOR DETAILS NOT SHOWN.
2. ALL WORK WITHOUT TEMPORARY CONCRETE BARRIER SHALL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701401.
3. EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED.
4. EXISTING SHOULDERS TO BE USED AS TEMPORARY LANES SHALL BE RECONSTRUCTED PRIOR TO STAGE 1 CONSTRUCTION.
5. OFFSETS TO TEMPORARY CONCRETE BARRIER ARE TO THE FACE OF THE BARRIER ADJACENT TO THE OPEN TRAFFIC LANE.

REMOVE MEDIAN SHOULDER (PAVED SHOULDER REMOVAL) AND CONSTRUCT HOT-MIX ASPHALT SHOULDERS, 10' PRIOR TO STARTING STAGE 1 CONSTRUCTION.

SB STA 290+25.00 TO STA 291+53.13
 NB STA 290+70.00 TO STA 292+10.20
 SB STA 292+79.55 TO STA 293+40.85
 NB STA 292+81.22 TO STA 293+90.31

MODEL: Stage 2
FILE NAME: D570D65-sht-stage 1.dgn



JOB = 2596.1
 FILE NAME = D570D65-sht-stage 1.dgn
 PLOT SCALE = 100.0000 ' / in.
 PLOT DATE = 1/29/2020

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 5/31/2019

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**






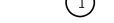


**STAGE I TRAFFIC PLAN SHEETS
 (SN 057-0210 & 057-0211)**

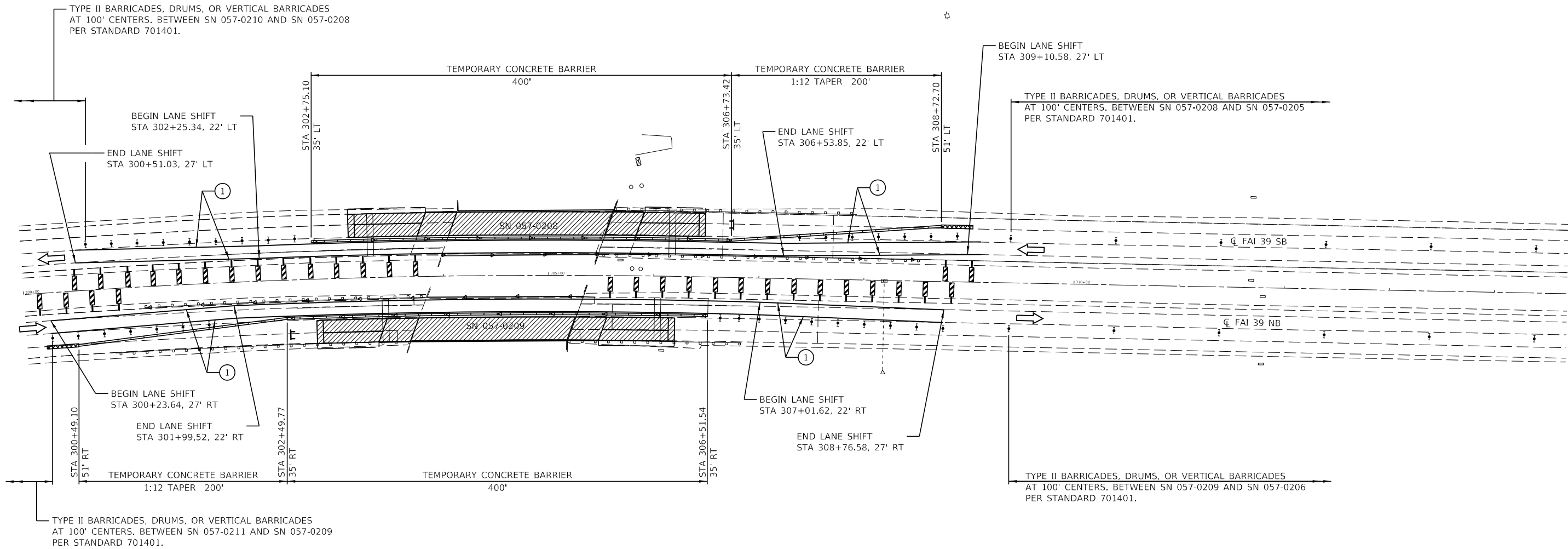
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	MCLEAN	97	25
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				



LEGEND

-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
-  TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES WITH STEADY BURN MONODIRECTIONAL LIGHTS
-  REFLECTORIZED TEMPORARY MARKING TAPE
-  TYPE III BARRICADE
-  MONODIRECTIONAL GUARDRAIL/BARRIER WALL REFLECTOR
-  WORK ZONE
-  VERTICAL PANEL (BACK TO BACK) AT 25' CENTERS



REMOVE MEDIAN SHOULDER (PAVED SHOULDER REMOVAL) AND CONSTRUCT HOT-MIX ASPHALT SHOULDERS, 10" PRIOR TO STARTING STAGE I CONSTRUCTION.

SB STA 303+10.20 TO STA 303+70.17
 NB STA 302+78.00 TO STA 303+79.77
 SB STA 305+78.83 TO STA 306+65.04
 NB STA 305+30.19 TO STA 306+52.04

MODEL Stage 1
 FILE Name: D570D65-shr-stage 1.dgn



JOB = 2596.1
FILE NAME = D570D65-shr-stage 1.dgn
PLOT SCALE = 100.0000 ' / in.
PLOT DATE = 1/29/2020

DESIGNED - NAK
DRAWN - SJS
CHECKED - NAK
DATE - 5/31/2019

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**









**STAGE I TRAFFIC PLAN SHEETS
 (SN 057-0208 & 057-0209)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	MCLEAN	97	26
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				



LEGEND

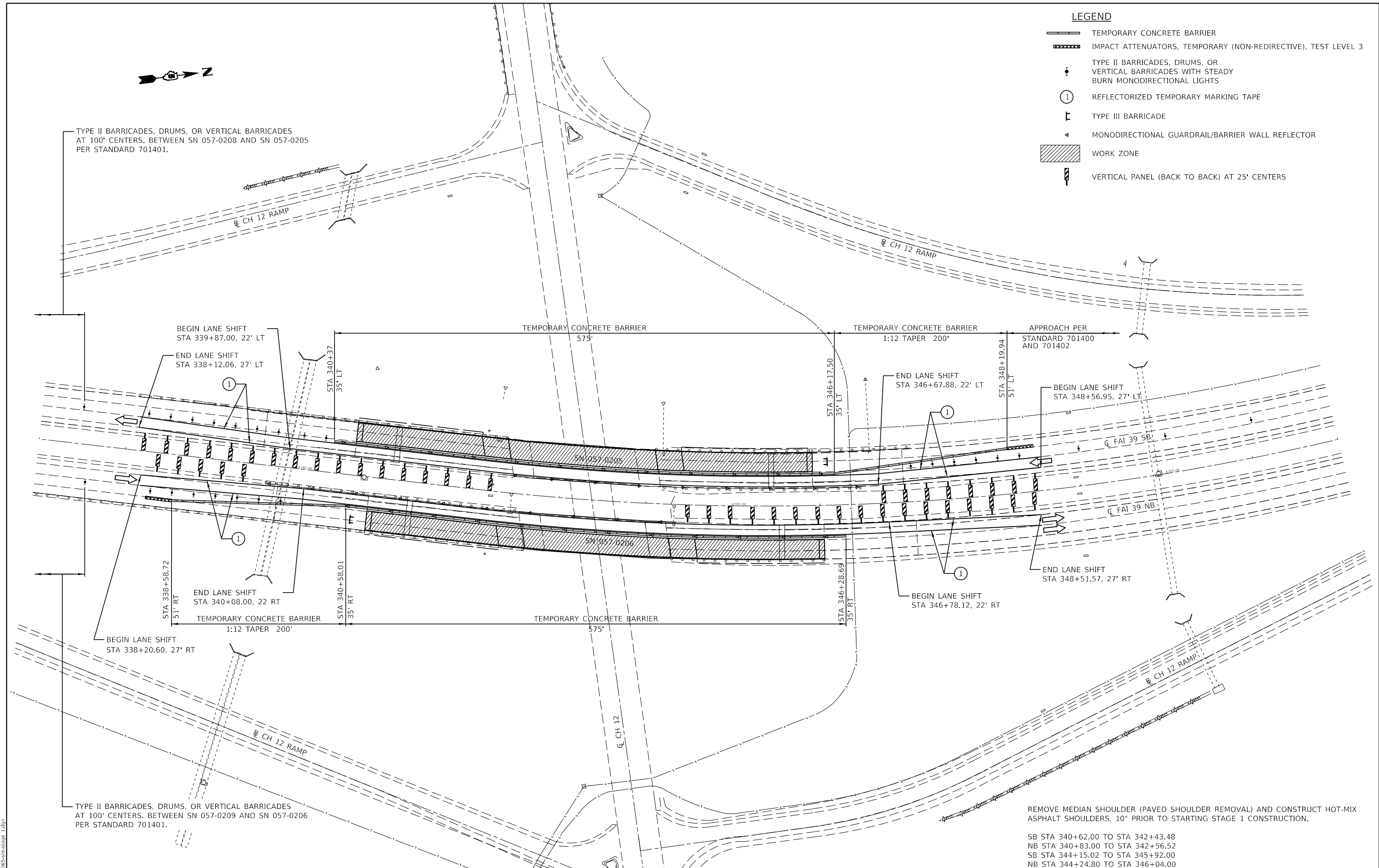
-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
-  TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES WITH STEADY BURN MONODIRECTIONAL LIGHTS
-  REFLECTORIZED TEMPORARY MARKING TAPE
-  TYPE III BARRICADE
-  MONODIRECTIONAL GUARDRAIL/BARRIER WALL REFLECTOR
-  WORK ZONE
-  VERTICAL PANEL (BACK TO BACK) AT 25' CENTERS

TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 100' CENTERS. BETWEEN SN 057-0208 AND SN 057-0205 PER STANDARD 701401.

TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 100' CENTERS. BETWEEN SN 057-0209 AND SN 057-0206 PER STANDARD 701401.

REMOVE MEDIAN SHOULDER (PAVED SHOULDER REMOVAL) AND CONSTRUCT HOT-MIX ASPHALT SHOULDERS, 10" PRIOR TO STARTING STAGE 1 CONSTRUCTION.

SB STA 340+62.00 TO STA 342+43.48
 NB STA 340+83.00 TO STA 342+56.52
 SB STA 344+15.02 TO STA 345+92.00
 NB STA 344+24.80 TO STA 346+04.00



MODEL: Stage 1
 FILE NAME: D570D65-sh-t-stage 1.dgn



JOB = 2596.1
 FILE NAME = D570D65-sh-t-stage 1.dgn
 PLOT SCALE = 100.0000 ' / in.
 PLOT DATE = 1/29/2020

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 5/31/2019

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**






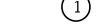


**STAGE I TRAFFIC PLAN SHEETS
 (SN 057-0205 & 057-0206)**

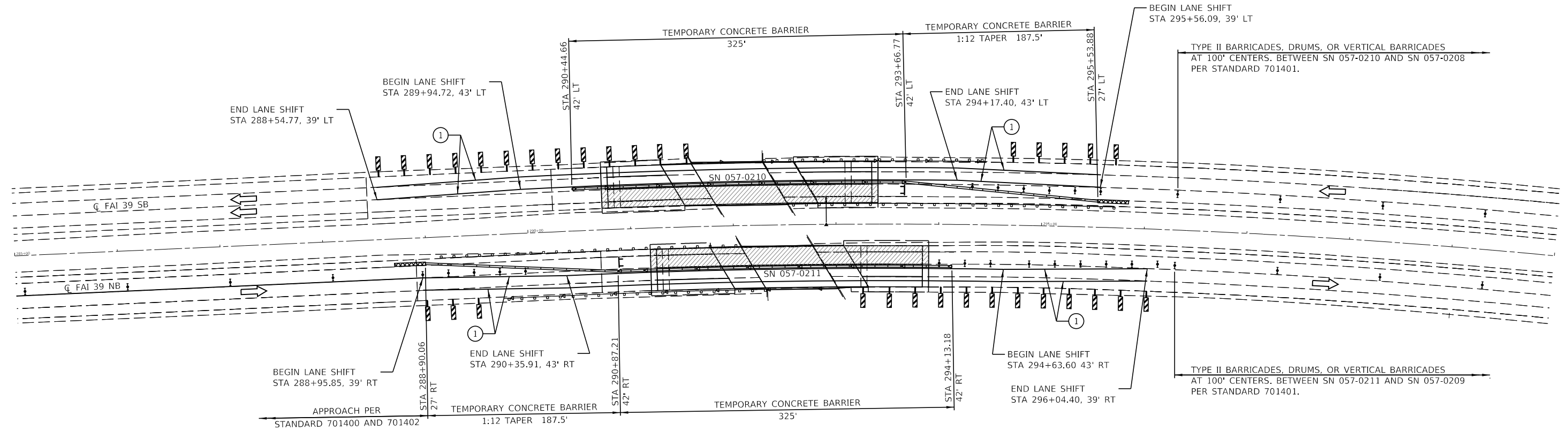
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	MCLEAN	97	27
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				



LEGEND

-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
-  TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES WITH STEADY BURN MONODIRECTIONAL LIGHTS
-  REFLECTORIZED TEMPORARY MARKING TAPE
-  TYPE III BARRICADE
-  MONODIRECTIONAL GUARDRAIL/BARRIER WALL REFLECTOR
-  WORK ZONE
-  VERTICAL PANEL (BACK TO BACK) AT 25' CENTERS



MAINTENANCE OF TRAFFIC NOTES

1. SEE TRAFFIC CONTROL AND PROTECTION STANDARDS 701400, 701401, 701402, 701411, AND 704001 FOR DETAILS NOT SHOWN.
2. ALL WORK WITHOUT TEMPORARY CONCRETE BARRIER SHALL BE IN ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION STANDARD 701401.
3. EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE TEMPORARY PAVEMENT MARKINGS SHALL BE REMOVED.
4. EXISTING SHOULDERS TO BE USED AS TEMPORARY LANES SHALL BE RECONSTRUCTED PRIOR TO STAGE 1 CONSTRUCTION.
5. OFFSETS TO TEMPORARY CONCRETE BARRIER ARE TO THE FACE OF THE BARRIER ADJACENT TO THE OPEN TRAFFIC LANE.

MODEL: Stage 2
FILE NAME: D570D65-sht-stage 2.dgn



JOB = 2596.1
FILE NAME = D570D65-sht-stage 2.dgn
PLOT SCALE = 100.0000' / 1 in.
PLOT DATE = 1/30/2020

DESIGNED - NAK
DRAWN - SJS
CHECKED - NAK
DATE - 5/31/2019

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**









**STAGE II TRAFFIC PLAN SHEETS
(SN 057-0210 & 057-0211)**

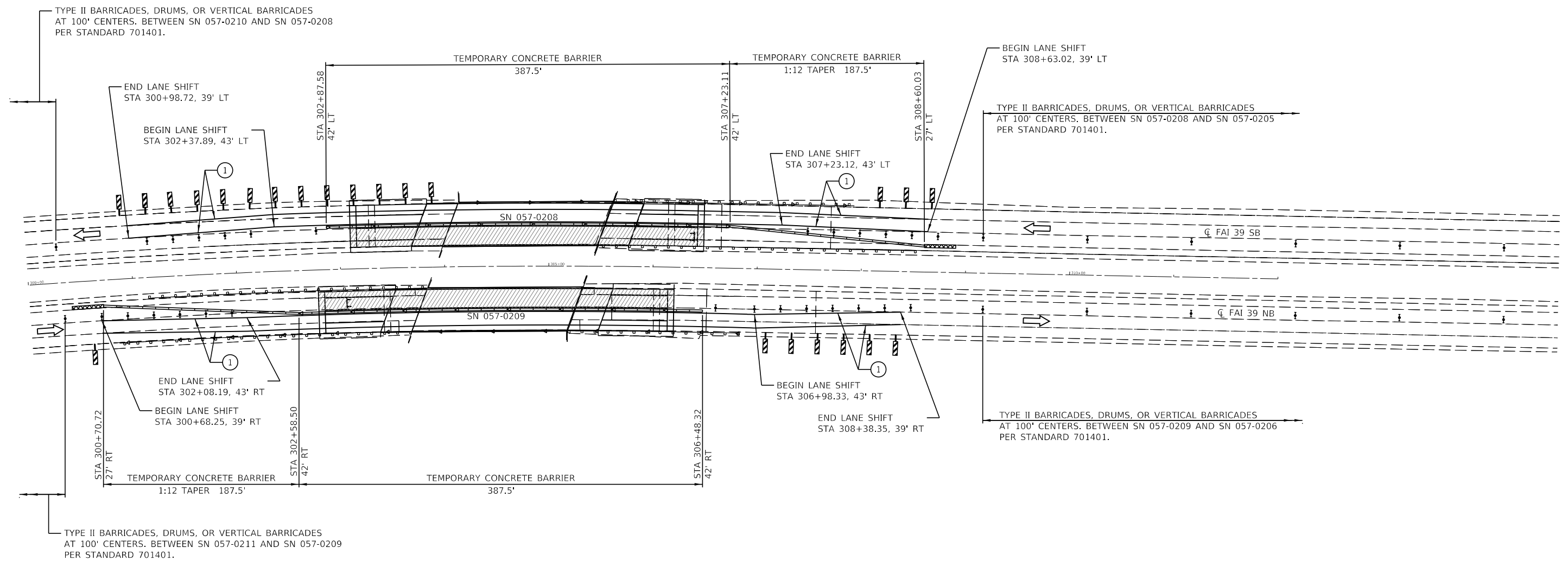
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	MCLEAN	97	28
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				



LEGEND

-  TEMPORARY CONCRETE BARRIER
-  IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
-  TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES WITH STEADY BURN MONODIRECTIONAL LIGHTS
-  REFLECTORIZED TEMPORARY MARKING TAPE
-  TYPE III BARRICADE
-  MONODIRECTIONAL GUARDRAIL/BARRIER WALL REFLECTOR
-  WORK ZONE
-  VERTICAL PANEL (BACK TO BACK) AT 25' CENTERS



MODEL Stage 2
 FILE Name: D570D65-sh-t-stage 2.dgn



JOB = 2596.1
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 PLOT SCALE = 100.0000 ' / in.
 PLOT DATE = 1/30/2020

DESIGNED -	NAK	REVISED -	
DRAWN -	SJS	REVISED -	
CHECKED -	NAK	REVISED -	
DATE -	5/31/2019	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

STAGE II TRAFFIC PLAN SHEETS			
(SN 057-0208 & 057-0209)			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	MCLEAN	97	29
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

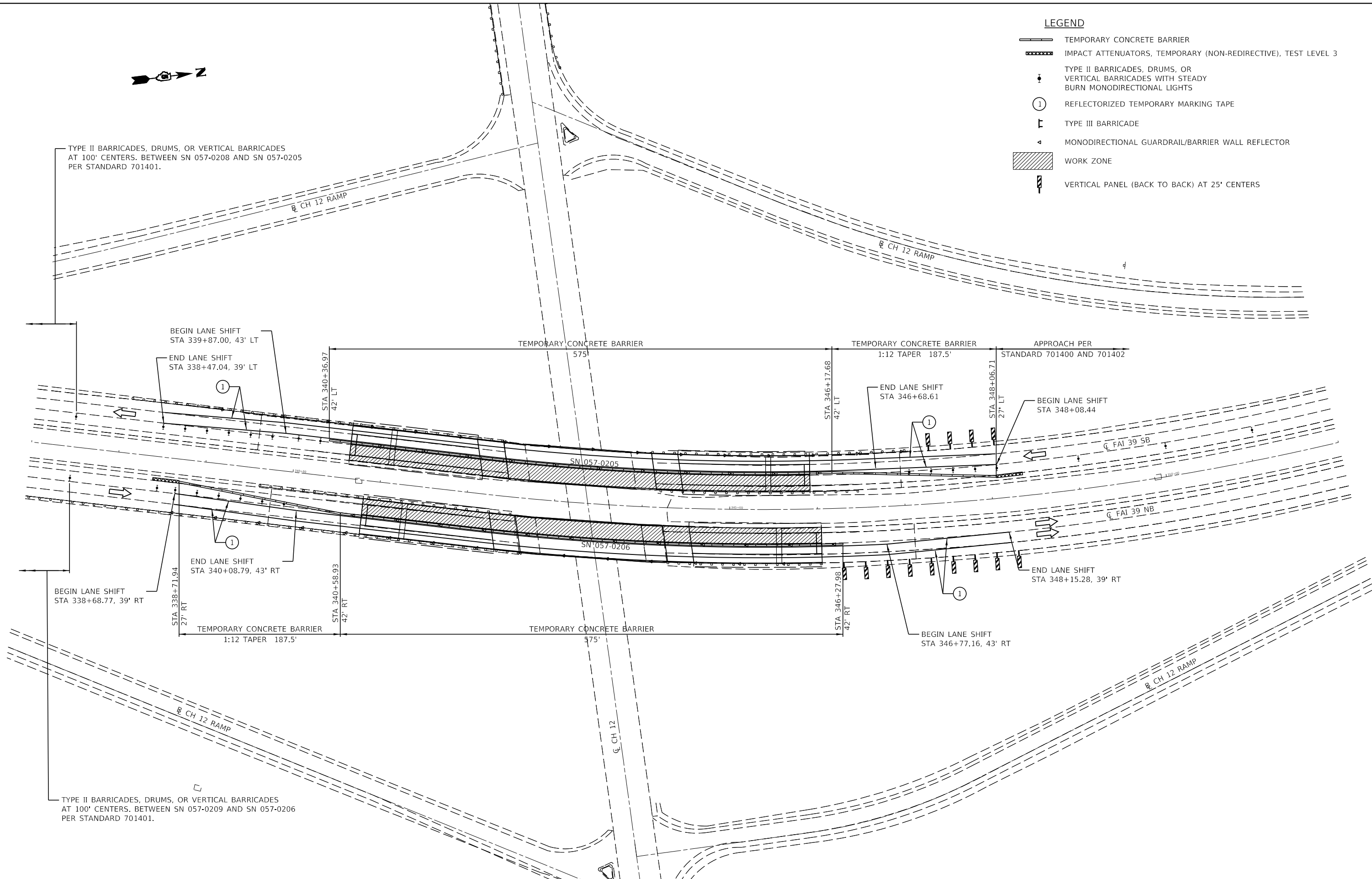


LEGEND

	TEMPORARY CONCRETE BARRIER
	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
	TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES WITH STEADY BURN MONODIRECTIONAL LIGHTS
	REFLECTORIZED TEMPORARY MARKING TAPE
	TYPE III BARRICADE
	MONODIRECTIONAL GUARDRAIL/BARRIER WALL REFLECTOR
	WORK ZONE
	VERTICAL PANEL (BACK TO BACK) AT 25' CENTERS

TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 100' CENTERS, BETWEEN SN 057-0208 AND SN 057-0205 PER STANDARD 701401.

TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 100' CENTERS, BETWEEN SN 057-0209 AND SN 057-0206 PER STANDARD 701401.



MODEL: Stage 2
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JOB = 2596.1
FILE NAME = D570D65-sh-tstage 2.dgn
PLOT SCALE = 100.0000 ' / in.
PLOT DATE = 1/29/2020

DESIGNED - NAK	REVISED -
DRAWN - SJS	REVISED -
CHECKED - NAK	REVISED -
DATE - 5/31/2019	REVISED -

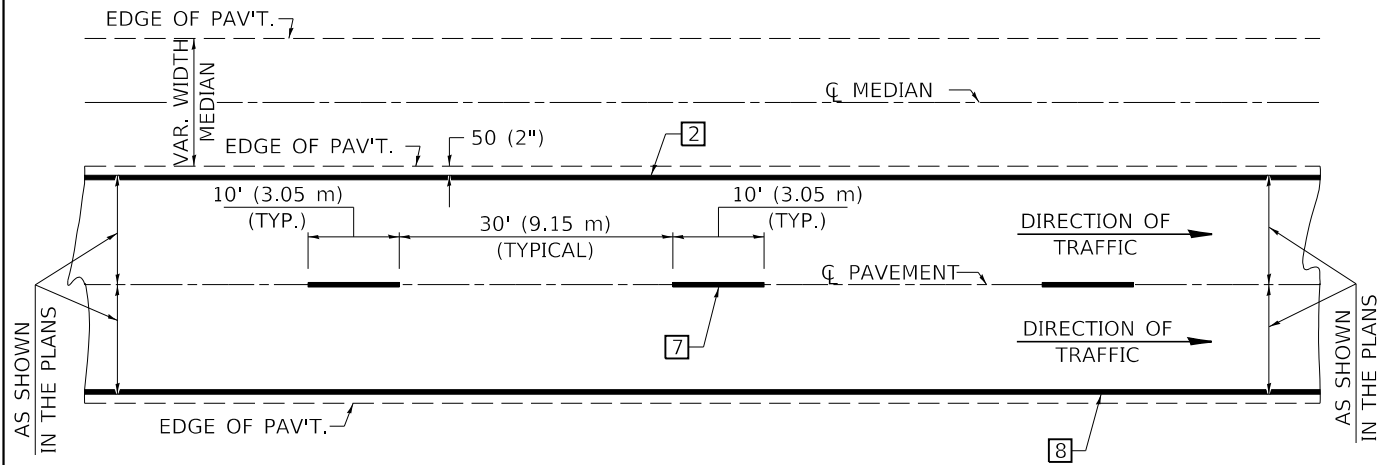
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE II TRAFFIC PLAN SHEETS
(SN 057-0205 & 057-0206)**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	MCLEAN	97	30
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

CENTERLINE INTERSTATE OR MULTI-LANE TWO WAY DIVIDED HIGHWAY

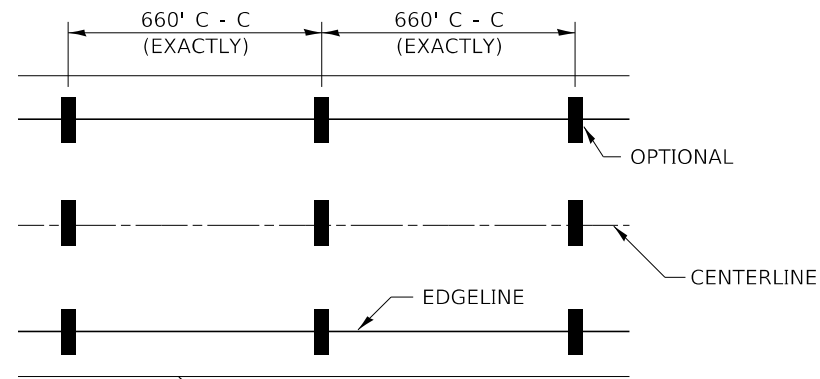


NOTE: PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.

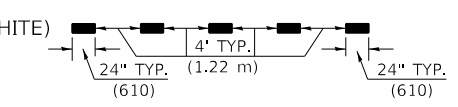
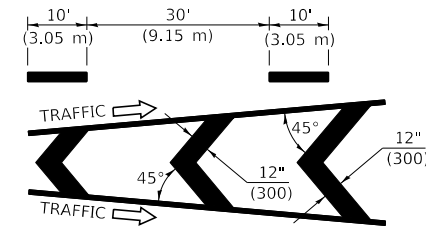
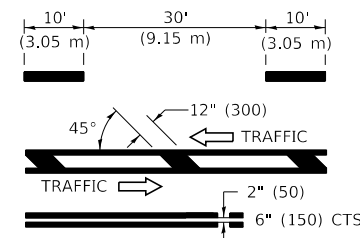
NOTE: SEE ARTICLES 780.04 & 781.03 FOR LOCATION OF STRIPES AND MARKERS RELATIVE TO EDGES OR JOINTS.

FOR RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO STANDARD 781001.

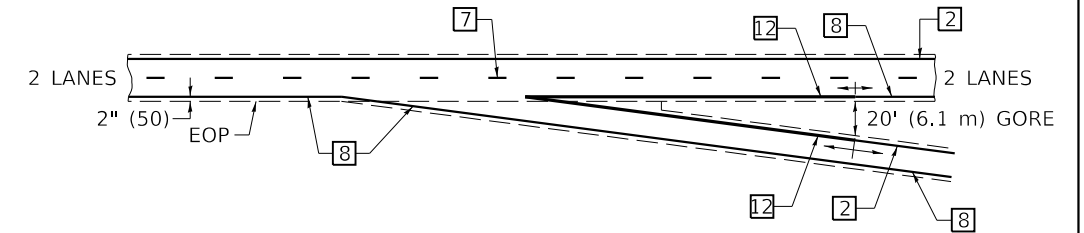
TYPICAL PAVEMENT MARKING LEGEND



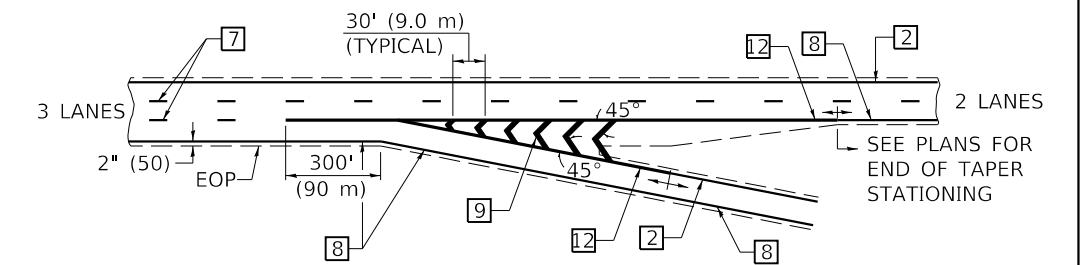
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)



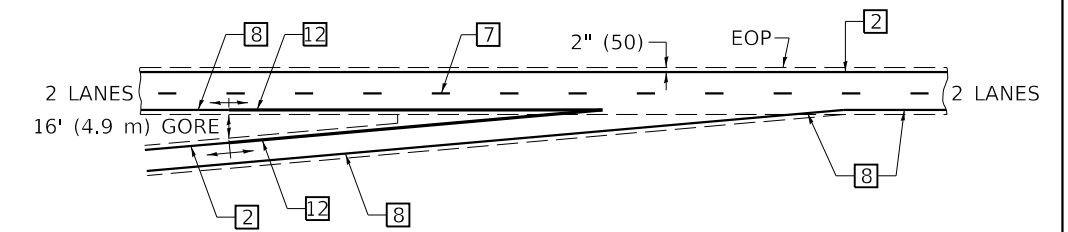
TYPICAL EXIT RAMP TERMINAL



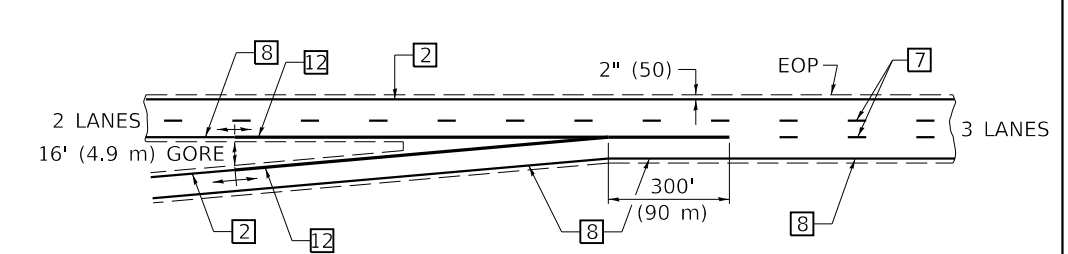
EXIT RAMP TERMINAL with EXCLUSIVE (auxiliary) LANE



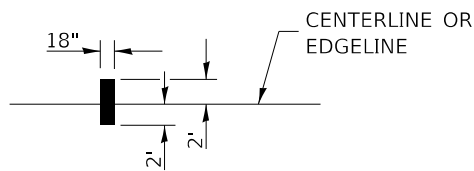
TYPICAL ENTRANCE RAMP TERMINAL



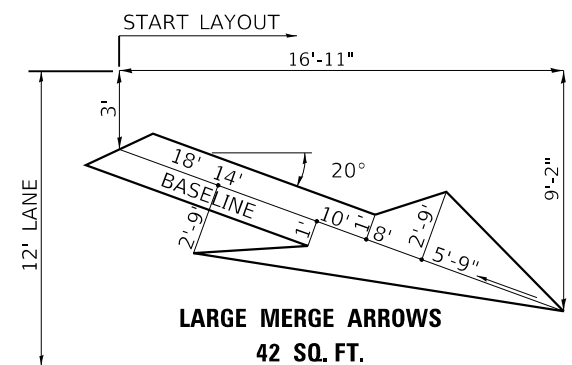
ENTRANCE RAMP TERMINAL with EXCLUSIVE LANE



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



AERIAL SPEED CHECK ZONES

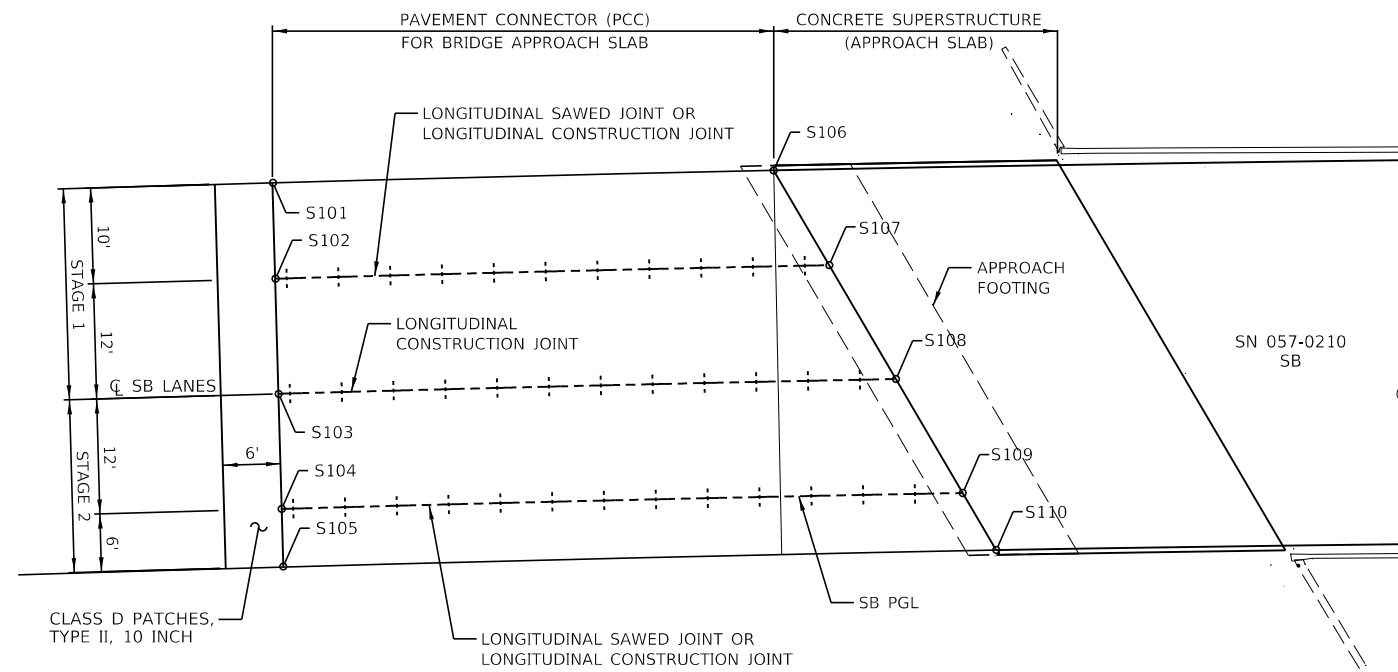


LARGE MERGE ARROWS
42 SQ. FT.

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

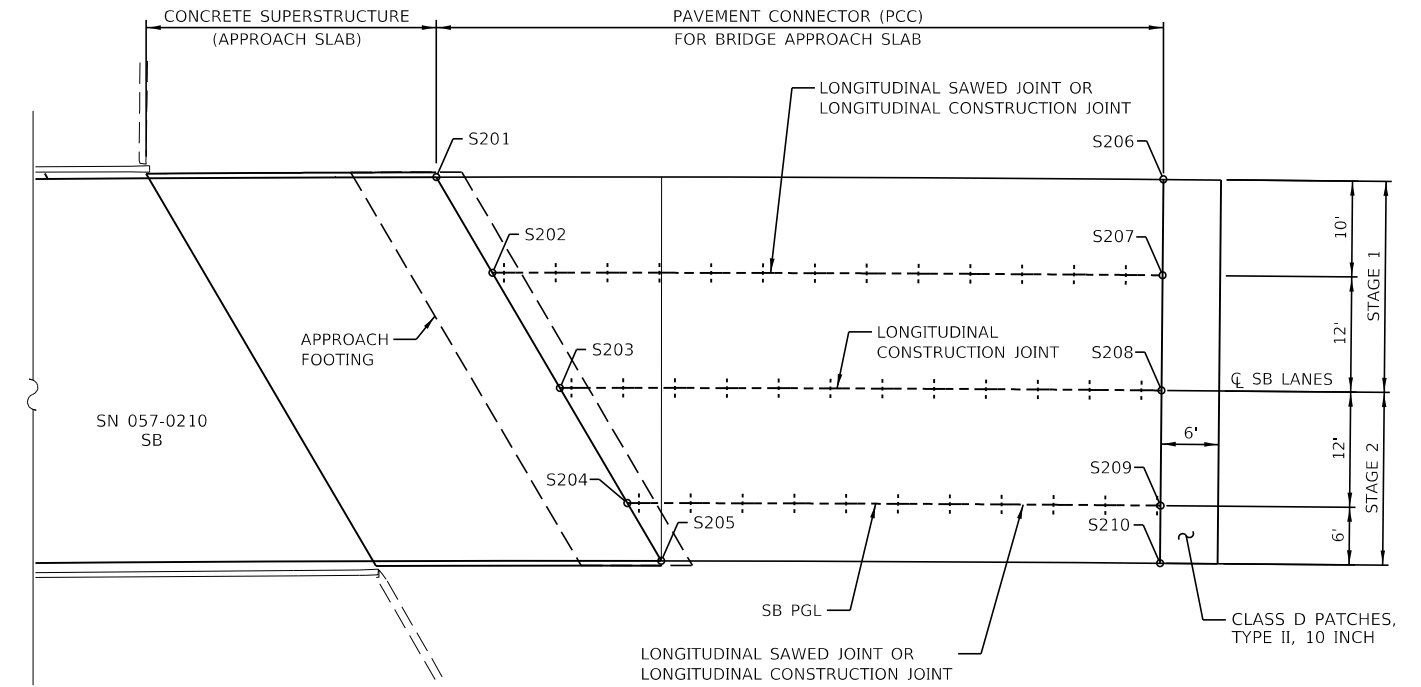
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	MCLEAN	97	31
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				



**DEPARTURE PAVEMENT
CONNECTOR ELEVATIONS**

POINT	STATION	OFFSET	ELEVATION
S101	290+73.00	-34.00	760.35
S102	290+73.00	-24.00	760.61
S103	290+73.00	-12.00	760.37
S104	290+73.00	0.00	760.16
S105	290+73.00	6.00	760.00
S106	291+30.85	-34.00	760.76
S107	291+36.61	-24.00	760.67
S108	291+42.83	-12.00	760.38
S109	291+49.77	0.00	760.09
S110	291+53.13	6.00	759.83



**APPROACH PAVEMENT
CONNECTOR ELEVATIONS**

POINT	STATION	OFFSET	ELEVATION
S201	292+59.78	-34.00	760.67
S202	292+65.57	-24.00	760.55
S203	292+72.55	-12.00	760.25
S204	292+79.55	0.00	759.96
S205	292+83.06	6.00	759.66
S206	293+34.86	-34.00	760.25
S207	293+34.86	-24.00	760.45
S208	293+34.86	-12.00	760.18
S209	293+34.86	0.00	759.94
S210	293+34.86	6.00	759.79

GENERAL NOTES

- SEE STANDARD 420401 FOR DETAILS NOT SHOWN.
- SEE PLANS FOR DETAILS OF BRIDGE APPROACH, APPROACH FOOTING AND PREFORMED JOINT SEAL.
- SEE STANDARD 420001 FOR DETAILS OF JOINTS NOT SHOWN.
- TIE BARS WILL NOT BE PAID FOR SEPERATELY BUT SHALL BE INCLUDED IN THE COST FOR PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB.
- TIE BARS SHALL BE EPOXY COATED.
- ALL ELEVATIONS ARE SHOWN AFTER GRINDING.

MODEL Default
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JOB = 2596.1
FILE NAME = D570D65-sht-connector.dgn
PLOT SCALE = 20,0000' / in.
PLOT DATE = 1/29/2020

DESIGNED - NAK
DRAWN - SJS
CHECKED - NAK
DATE - 7/20/2019

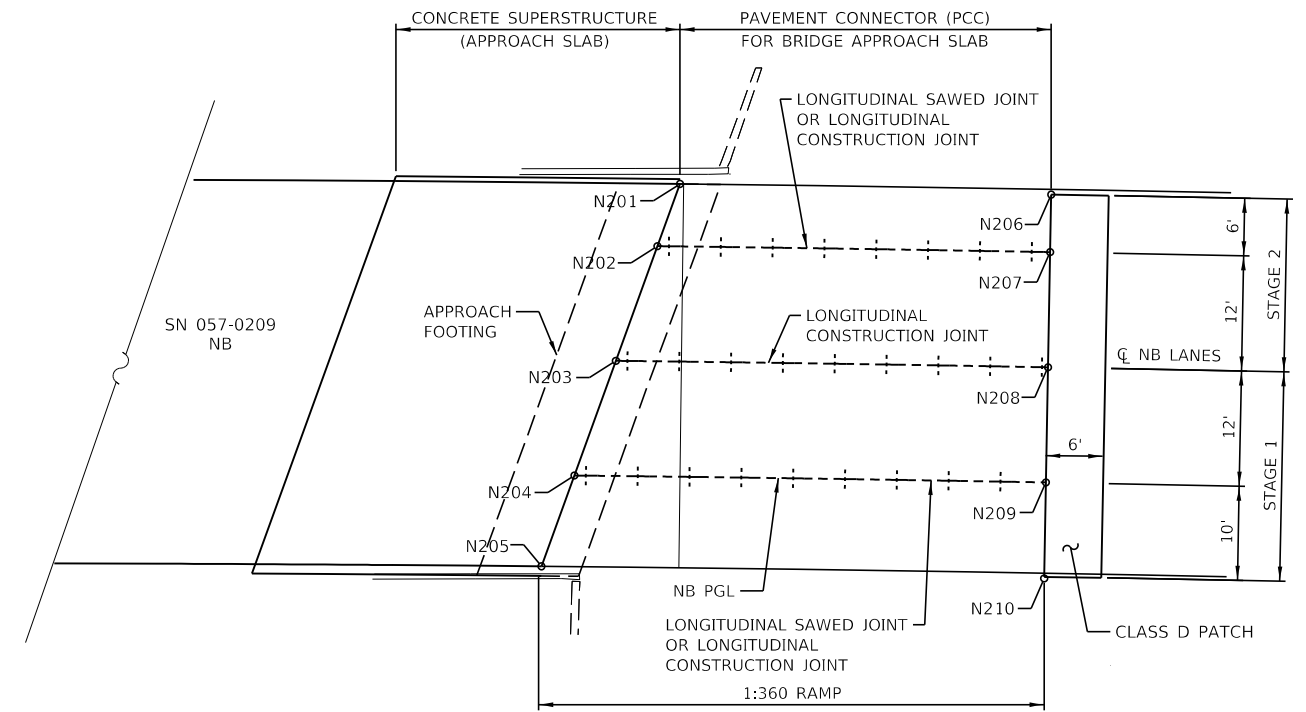
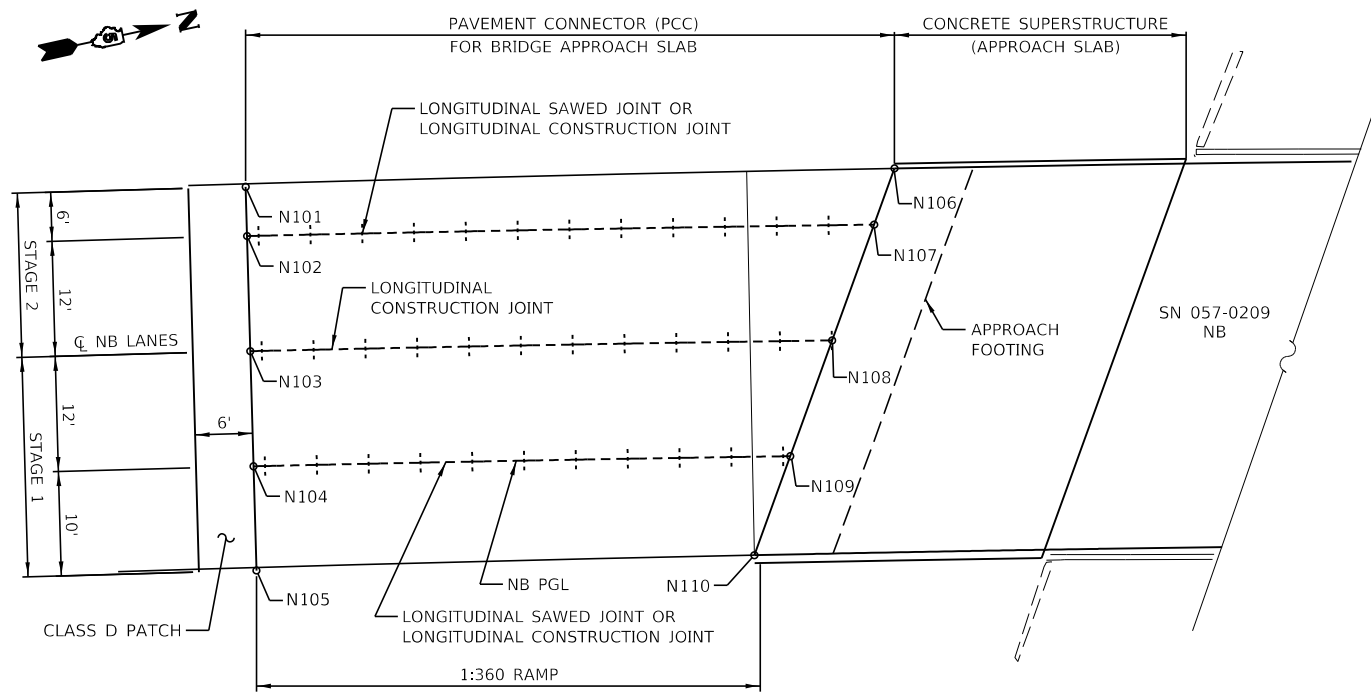
REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT CONNECTOR (PCC) FOR BRIDGE
APPROACH SLAB DETAILS SN 057-0210**

SCALE: SHEET 1 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1) BDS	MCLEAN	97	32
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				



APPROACH PAVEMENT CONNECTOR ELEVATIONS

POINT	STATION	OFFSET	ELEVATION
N101	302+84.03	-6.00	762.41
N102	302+84.03	0.00	762.54
N103	302+84.03	12.00	762.18
N104	302+84.03	24.00	761.88
N105	302+84.03	34.00	761.63
N106	303+51.88	-6.00	762.98
N107	303+49.58	0.00	762.93
N108	303+45.24	12.00	762.59
N109	303+40.31	24.00	762.24
N110	303+36.43	34.00	761.92

DEPARTURE PAVEMENT CONNECTOR ELEVATIONS

POINT	STATION	OFFSET	ELEVATION
N201	305+62.19	-6.00	763.65
N202	305+60.10	0.00	763.57
N203	305+56.00	12.00	763.20
N204	305+51.67	24.00	762.86
N205	305+48.14	34.00	762.59
N206	306+14.57	-6.00	763.49
N207	306+14.57	0.00	763.52
N208	306+14.57	12.00	763.26
N209	306+14.57	24.00	762.99
N210	306+14.57	34.00	762.72

MODEL: D:\cfs\it
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CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

JOB = 2596.1
FILE NAME = D570D65-sht-connector.dgn
PLOT SCALE = 20,0000' / in.
PLOT DATE = 1/29/2020

DESIGNED - NAK
DRAWN - SJS
CHECKED - NAK
DATE - 7/20/2019

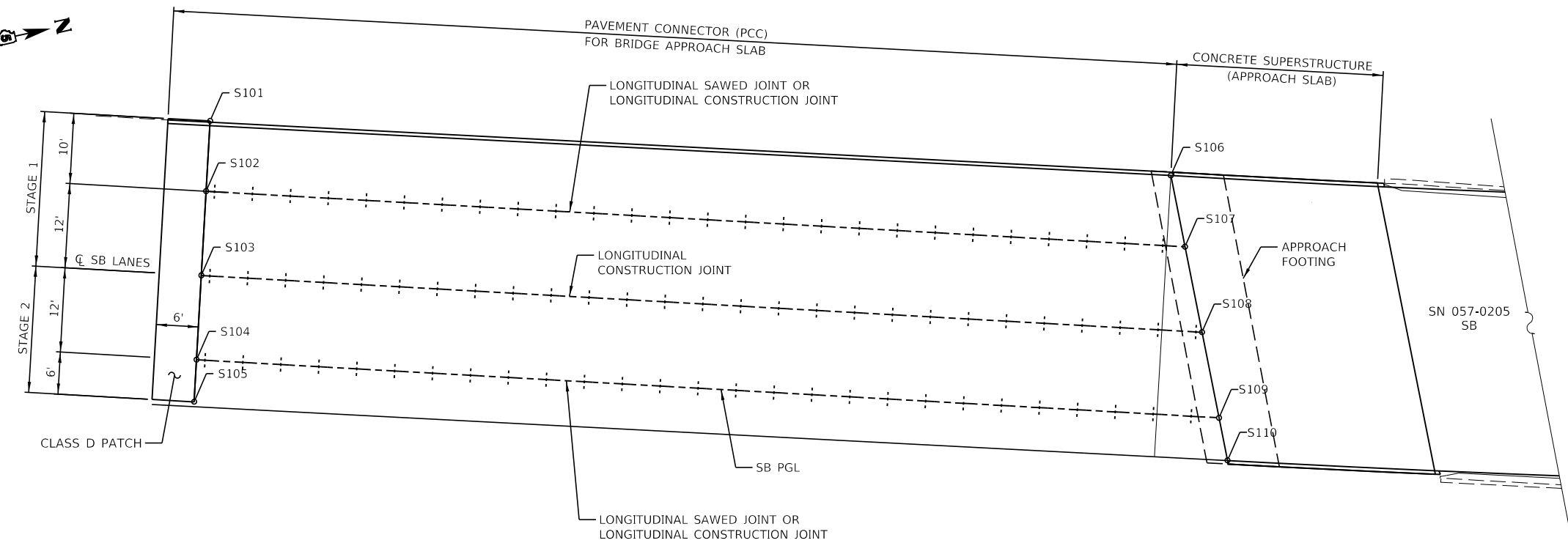
REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT CONNECTOR (PCC) FOR BRIDGE
APPROACH SLAB DETAILS SN 057-0209

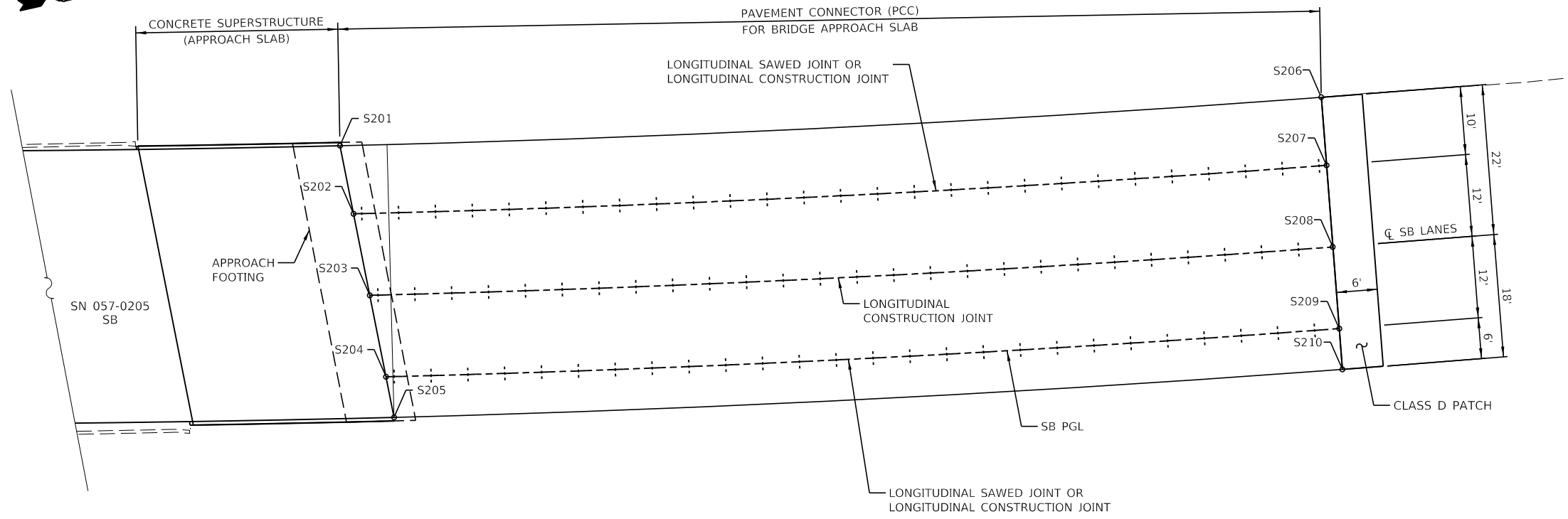
SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1) BDS	MCLEAN	97	35
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				



DEPARTURE PAVEMENT CONNECTOR ELEVATIONS

POINT	STATION	OFFSET	ELEVATION
S101	340+68.00	-34.00	769.87
S102	340+68.00	-24.00	770.20
S103	340+68.00	-12.00	770.52
S104	340+68.00	0.00	770.59
S105	340+68.00	6.00	770.44
S106	342+04.70	-34.00	768.00
S107	342+07.35	-24.00	768.19
S108	342+10.50	-12.00	768.65
S109	342+13.62	0.00	769.01
S110	342+15.17	6.00	769.23



APPROACH PAVEMENT CONNECTOR ELEVATIONS

POINT	STATION	OFFSET	ELEVATION
S201	344+38.82	-34.00	763.99
S202	344+40.59	-24.00	764.35
S203	344+42.70	-12.00	764.92
S204	344+44.80	0.00	765.43
S205	344+45.84	6.00	765.71
S206	345+85.95	-34.00	761.70
S207	345+85.95	-24.00	761.63
S208	345+85.95	-12.00	762.21
S209	345+85.95	0.00	762.81
S210	345+85.95	6.00	762.83

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 PLOT DATE = 1/29/2020

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 7/20/2019

REVISED -
 REVISED -
 REVISED -
 REVISED -

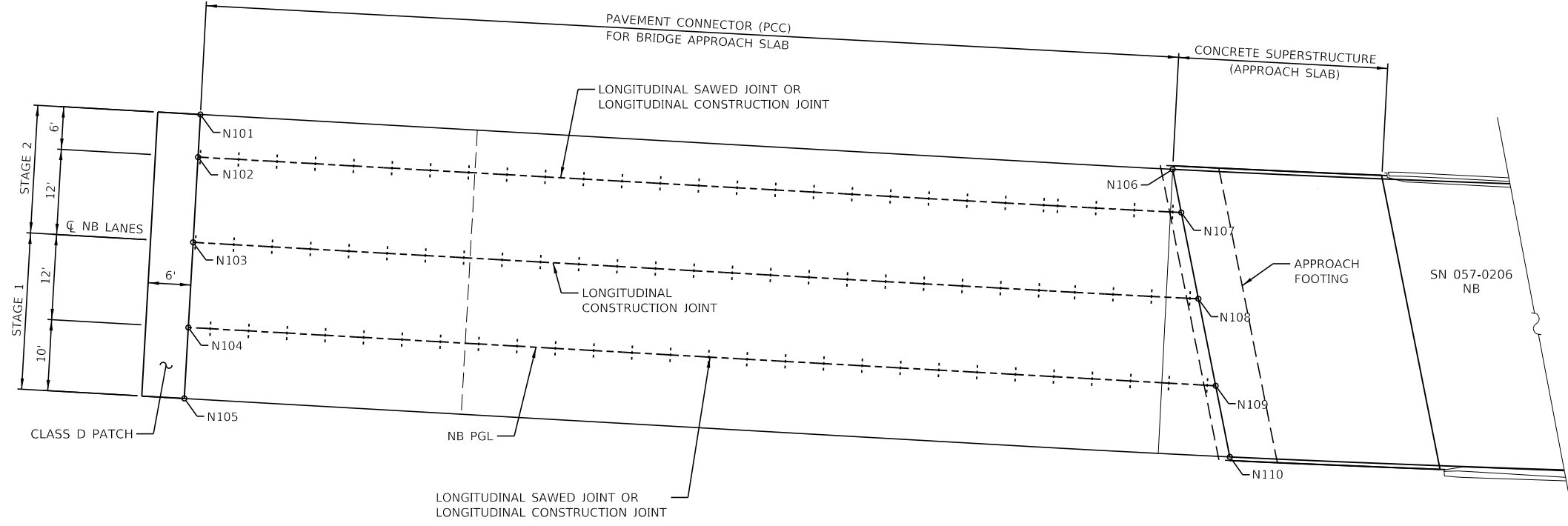
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT CONNECTOR (PCC) FOR BRIDGE
 APPROACH SLAB DETAILS SN 057-0205

SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1) BDS	MCLEAN	97	36

CONTRACT NO. 70D65
 ILLINOIS FED. AID PROJECT



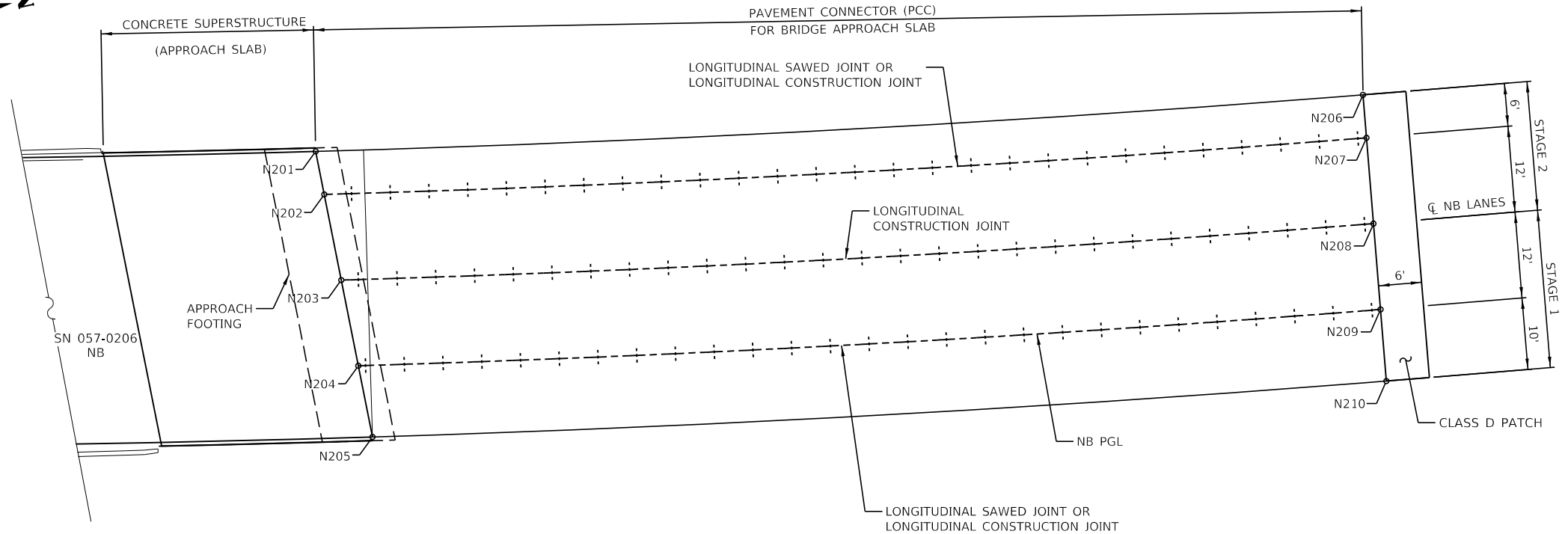
**APPROACH PAVEMENT
CONNECTOR ELEVATIONS**

POINT	STATION	OFFSET	ELEVATION
N101	340+89.00	-6.00	770.16
N102	340+89.00	0.00	770.42
N103	340+89.00	12.00	770.60
N104	340+89.00	24.00	770.60
N105	340+89.00	34.00	769.31
N106	342+25.80	-6.00	768.86
N107	342+27.30	0.00	768.97
N108	342+30.27	12.00	769.30
N109	342+33.23	24.00	769.63
N110	342+35.67	34.00	767.53



**DEPARTURE PAVEMENT
CONNECTOR ELEVATIONS**

POINT	STATION	OFFSET	ELEVATION
N201	344+53.02	-6.00	764.97
N202	344+54.02	0.00	765.29
N203	344+56.03	12.00	765.93
N204	344+58.01	24.00	766.48
N205	344+59.65	34.00	766.88
N206	345+98.05	0.00	763.77
N207	345+98.05	-6.00	763.86
N208	345+98.05	12.00	763.18
N209	345+98.05	24.00	762.62
N210	345+98.05	34.00	762.38



MODEL: D:\p\11...
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CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

JOB = 2596.1
FILE NAME = D570D65-shr-connector.dgn
PLOT SCALE = 20,0000' / in.
PLOT DATE = 1/29/2020

DESIGNED - NAK
DRAWN - SJS
CHECKED - NAK
DATE - 7/20/2019

REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

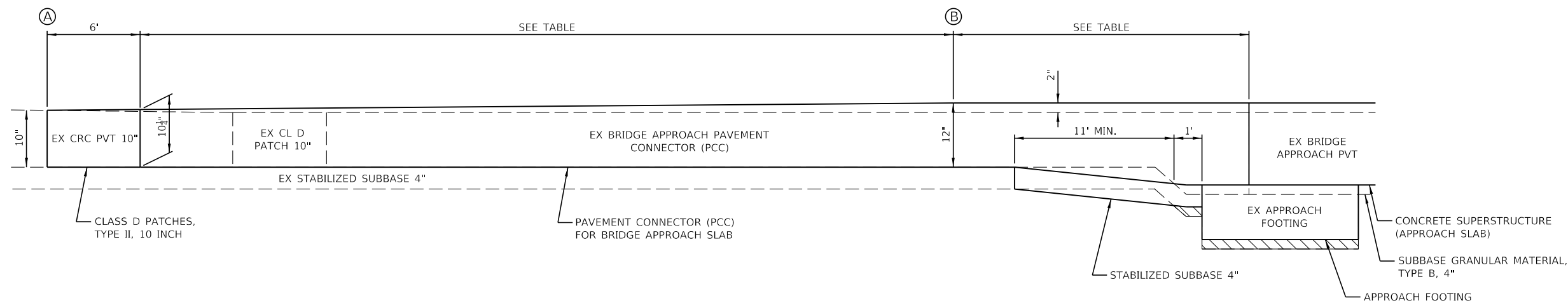
**PAVEMENT CONNECTOR (PCC) FOR BRIDGE
APPROACH SLAB DETAILS SN 057-0206**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1) BDS	MCLEAN	97	37
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

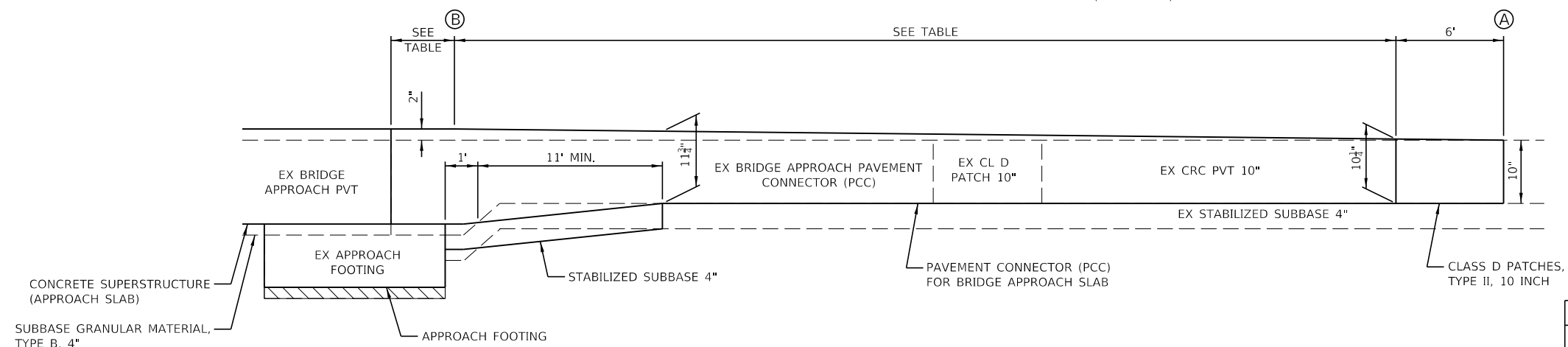
DETAIL FOR I-39 PAVING TRANSITIONS - DEPARTURE SN 057-0210

(A) SOUTHBOUND (B)
 STATION TO STATION
 290+67.03 291+30.85 (ALONG PGL)



DETAIL FOR I-39 PAVING TRANSITIONS - APPROACH SN 057-0210

(B) SOUTHBOUND (A)
 STATION TO STATION
 292+83.06 293+40.82 (ALONG PGL)



NOTES:
 PROFILE SHOWN IS PRIOR TO DIAMOND GRINDING.
 CONTRACTOR TO FILL VOIDS WITH APPROVED MATERIAL
 TO BRIDGE APPROACH PAVEMENT
 SEE SHEET 31 FOR FURTHER DETAILS.

DEPARTURE	(A) TO (B)	(B) TO APPROACH PAVEMENT
OUTSIDE EDGE OF SHOULDER	58.39'	0.00'
PGL	58.07'	19.00'
MEDIAN EDGE OF SHOULDER	58.02'	22.35'
APPROACH		
OUTSIDE EDGE OF SHOULDER	52.28'	23.49'
PGL	51.99'	3.53'
MEDIAN EDGE OF SHOULDER	51.94'	0.00'

MODEL: D:\p\0570210\0570210.dgn
 FILE NAME: D570D65-sht-details.dgn

CEC Cummins
 Engineering
 Corporation
 Civil and Structural Engineering

JOB = 2596.1
 FILE NAME = D570D65-sht-details.dgn
 PLOT SCALE = 40,0000' / in.
 PLOT DATE = 1/29/2020

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 8/13/2019

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

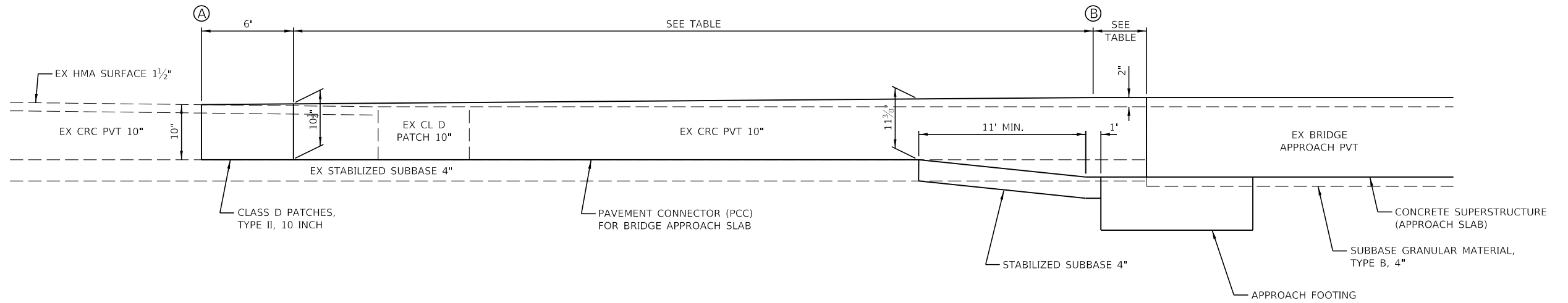
PAVING TRANSITION DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	MCLEAN	97	38
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

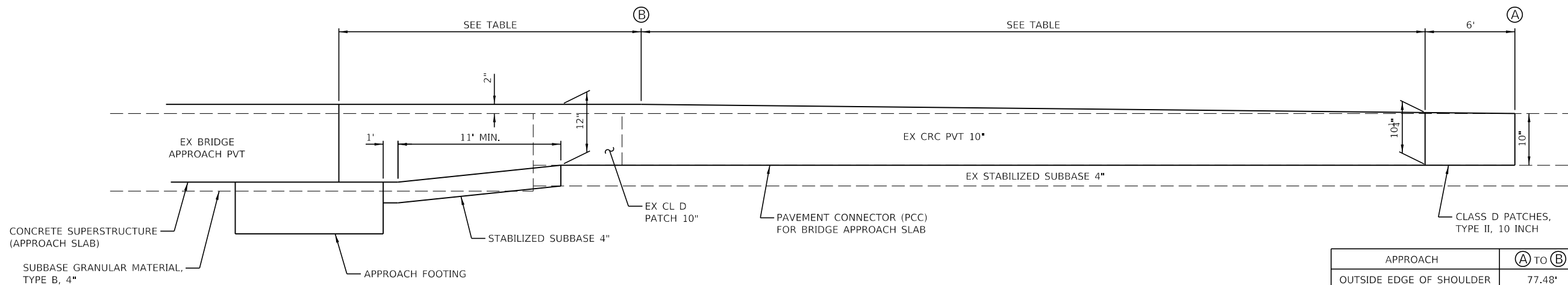
DETAIL FOR I-39 PAVING TRANSITIONS - APPROACH SN 057-0211

(A) NORTHBOUND (B)
 STATION TO STATION
 290+92.61 291+76.84 (ALONG PGL)



DETAIL FOR I-39 PAVING TRANSITIONS - DEPARTURE SN 057-0211

(B) NORTHBOUND (A)
 STATION TO STATION
 293+31.84 293+90.32 (ALONG PGL)



	(A) TO (B)	(B) TO APPROACH PAVEMENT
APPROACH		
OUTSIDE EDGE OF SHOULDER	77.48'	22.70'
PGL	77.90'	3.41'
MEDIAN EDGE OF SHOULDER	77.97'	0.00'
DEPARTURE		
OUTSIDE EDGE OF SHOULDER	51.95'	0.00'
PGL	52.24'	20.35'
MEDIAN EDGE OF SHOULDER	52.29'	23.94'

NOTES:
 PROFILE SHOWN IS PRIOR TO DIAMOND GRINDING.
 CONTRACTOR TO FILL VOIDS WITH APPROVED MATERIAL TO BRIDGE APPROACH PAVEMENT
 SEE SHEET 32 FOR FURTHER DETAILS.

MODEL: D:\p1\0570065-sht-details.dgn



JOB = 2596.1
 FILE NAME = D570D65-sht-details.dgn
 PLOT SCALE = 40,0000' / in.
 PLOT DATE = 1/29/2020

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 8/13/2019

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

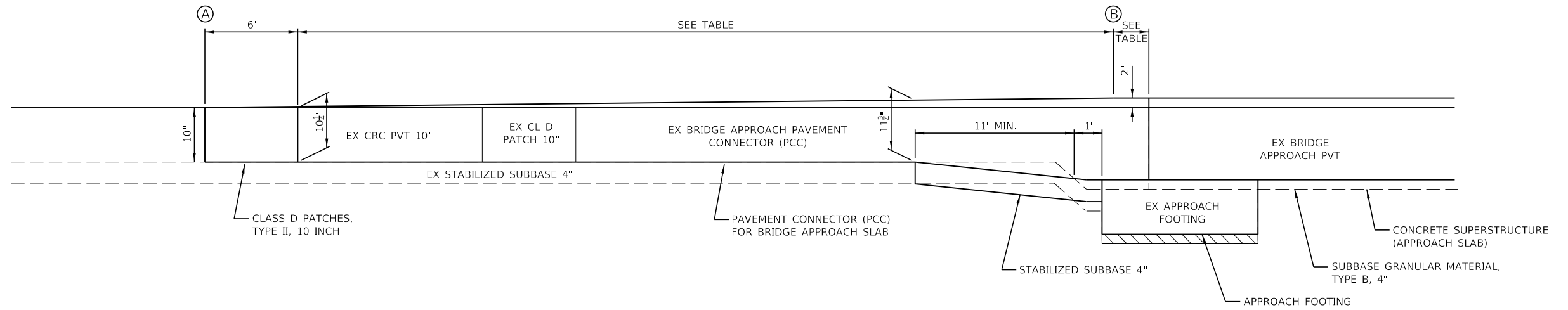
PAVING TRANSITION DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	MCLEAN	97	39
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

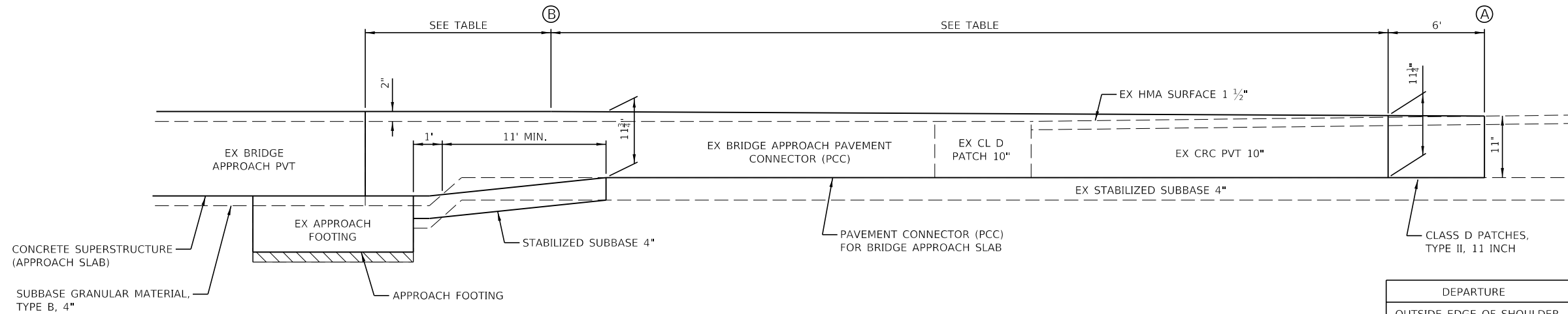
DETAIL FOR I-39 PAVING TRANSITIONS - DEPARTURE SN 057-0208

(A) SOUTHBOUND (B)
 STATION TO STATION
 303+10.20 303+67.88 (ALONG PGL)



DETAIL FOR I-39 PAVING TRANSITIONS - APPROACH SN 057-0208

(B) SOUTHBOUND (A)
 STATION TO STATION
 305+90.41 306+48.24 (ALONG PGL)



NOTES:
 PROFILE SHOWN IS PRIOR TO DIAMOND GRINDING.
 CONTRACTOR TO FILL VOIDS WITH APPROVED MATERIAL
 TO BRIDGE APPROACH PAVEMENT
 SEE SHEET 33 FOR FURTHER DETAILS.

DEPARTURE	(A) TO (B)	(B) TO APPROACH PAVEMENT
OUTSIDE EDGE OF SHOULDER	52.22'	15.27'
PGL	51.91'	2.29'
MEDIAN EDGE OF SHOULDER	51.85'	0.00'
APPROACH		
OUTSIDE EDGE OF SHOULDER	52.27'	0.00'
PGL	52.03'	11.62'
MEDIAN EDGE OF SHOULDER	51.97'	13.68'

MODEL: D:\p\057-0208-1\057-0208-1.dgn
 FILE NAME: 057-0208-1.dgn

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 Civil and Structural Engineering

JOB = 2596.1
 FILE NAME = 0570D65-sht-details.dgn
 PLOT SCALE = 40,0000 ' / in.
 PLOT DATE = 1/29/2020

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 5/31/2019

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

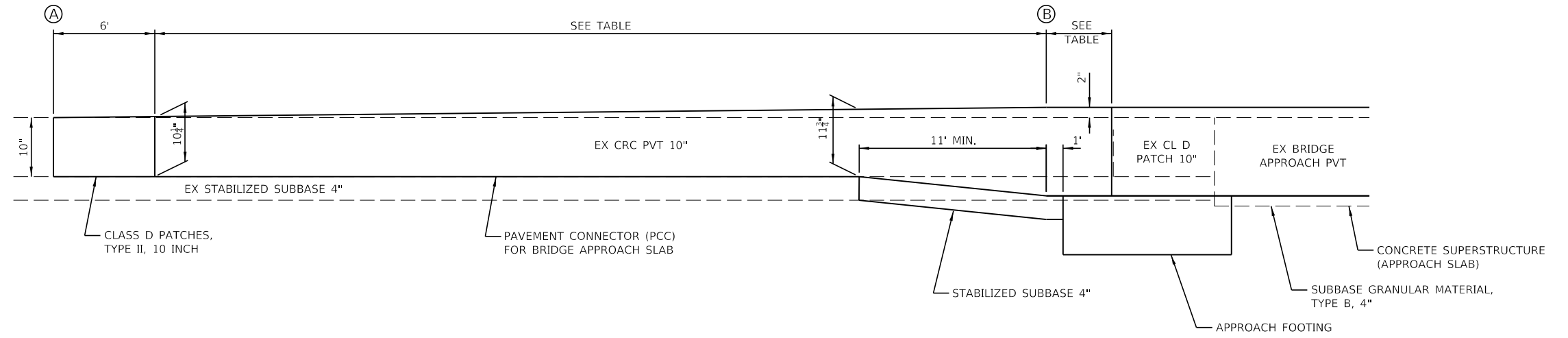
PAVING TRANSITION DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	MCLEAN	97	40
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

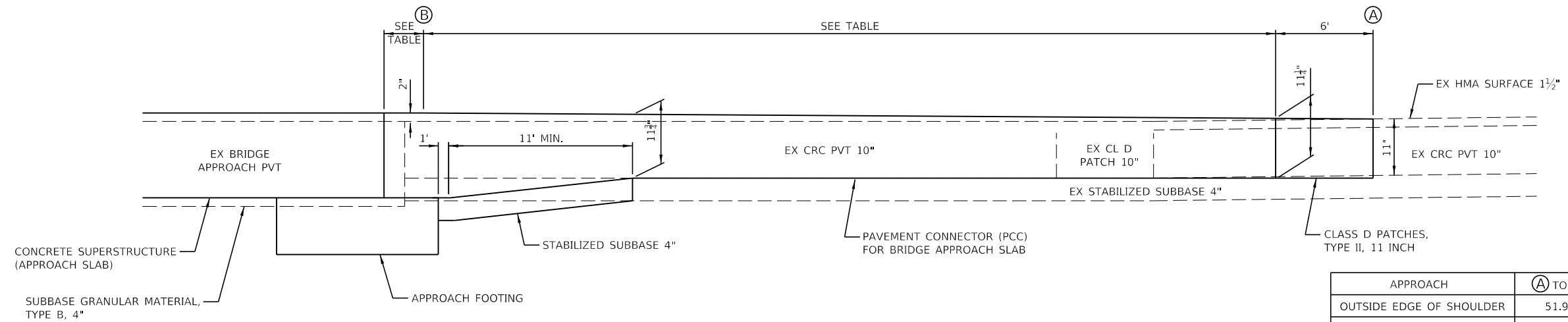
DETAIL FOR I-39 PAVING TRANSITIONS - APPROACH SN 057-0209

(A) NORTHBOUND (B)
 STATION TO STATION
 302+78.00 303+46.43 (ALONG PGL)



DETAIL FOR I-39 PAVING TRANSITIONS - DEPARTURE SN 057-0209

(B) NORTHBOUND (A)
 STATION TO STATION
 305+62.59 306+20.61 (ALONG PGL)



APPROACH	(A) TO (B)	(B) TO APPROACH PAVEMENT
OUTSIDE EDGE OF SHOULDER	51.93'	0.00'
PGL	52.20'	13.10'
MEDIAN EDGE OF SHOULDER	52.24'	15.41'
DEPARTURE		
OUTSIDE EDGE OF SHOULDER	51.53'	14.32'
PGL	51.79'	2.48'
MEDIAN EDGE OF SHOULDER	52.23'	0.00'

NOTES:
 PROFILE SHOWN IS PRIOR TO DIAMOND GRINDING.
 CONTRACTOR TO FILL VOIDS WITH APPROVED MATERIAL TO BRIDGE APPROACH PAVEMENT
 SEE SHEET 34 FOR FURTHER DETAILS.

MODEL: D:\d65\11
 FILE NAME: D570D65-sht-details.dgn

CEC Cummins
 Engineering
 Corporation
 Civil and Structural Engineering

JOB = 2596.1	DESIGNED - NAK	REVISED -
FILE NAME = D570D65-sht-details.dgn	DRAWN - SJS	REVISED -
PLOT SCALE = 40,0000' / in.	CHECKED - NAK	REVISED -
PLOT DATE = 1/29/2020	DATE - 5/31/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

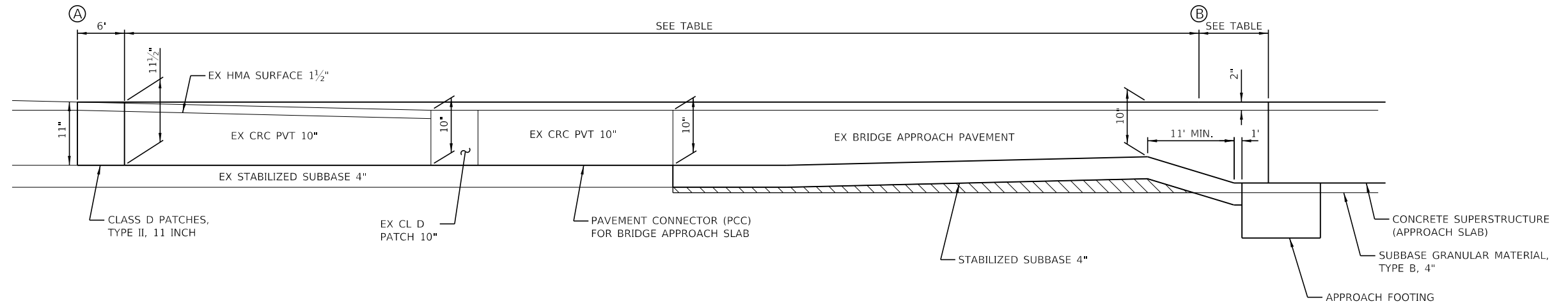
PAVING TRANSITION DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	MCLEAN	97	41
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

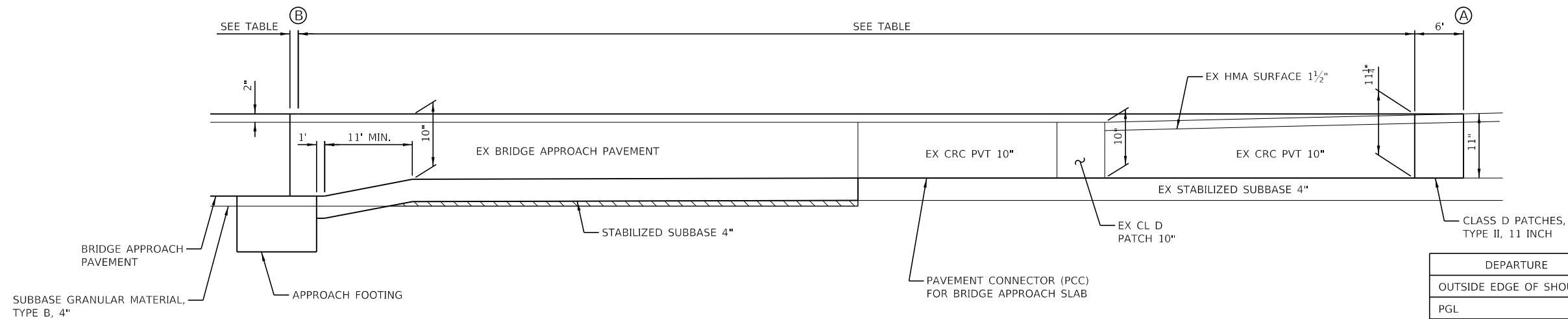
DETAIL FOR I-39 PAVING TRANSITIONS - DEPARTURE SN 057-0205

Ⓐ SOUTHBOUND Ⓑ
 STATION TO STATION
 340+62.00 342+04.74 (ALONG PGL)



DETAIL FOR I-39 PAVING TRANSITIONS - APPROACH SN 057-0205

Ⓑ SOUTHBOUND Ⓐ
 STATION TO STATION
 344+45.84 345+92.00 (ALONG PGL)



NOTES:
 PROFILE SHOWN IS PRIOR TO DIAMOND GRINDING.
 CONTRACTOR TO FILL VOIDS WITH APPROVED MATERIAL TO BRIDGE APPROACH PAVEMENT
 SEE SHEET 35 FOR FURTHER DETAILS.

DEPARTURE	Ⓐ TO Ⓑ	Ⓑ TO APPROACH PAVEMENT
OUTSIDE EDGE OF SHOULDER	136.78'	0.00'
PGL	136.74'	8.84'
MEDIAN EDGE OF SHOULDER	136.73'	10.39'
APPROACH		
OUTSIDE EDGE OF SHOULDER	137.05'	6.87'
PGL	138.79'	1.03'
MEDIAN EDGE OF SHOULDER	139.09'	0.00'

MODEL: D:\p\11\057-0205-sht-details.dgn

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 Corporation
 Civil and Structural Engineering

JOB = 2596.1
 FILE NAME = D570D65-sht-details.dgn
 PLOT SCALE = 40,0000 ' / in.
 PLOT DATE = 1/29/2020

DESIGNED - NAK
 DRAWN - SJS
 CHECKED - NAK
 DATE - 5/31/2019

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

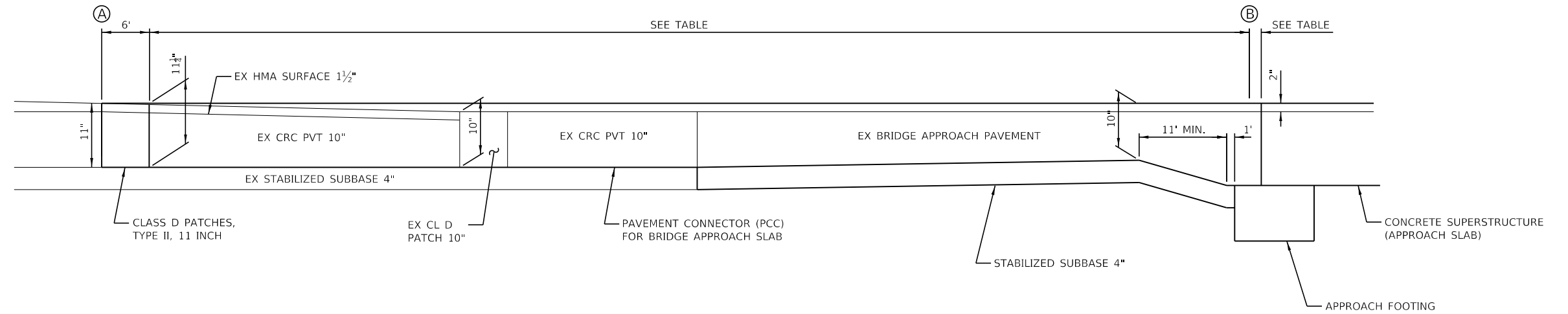
PAVING TRANSITION DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	MCLEAN	97	42
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

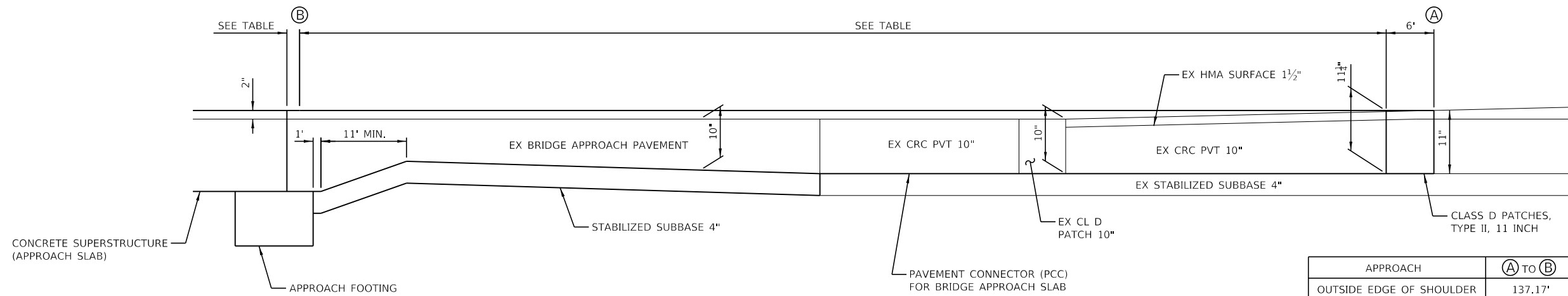
DETAIL FOR I-39 PAVING TRANSITIONS - APPROACH SN 057-0206

(A) NORTHBOUND (B)
 STATION TO STATION
 340+83.00 342+25.80 (ALONG PGL)



DETAIL FOR I-39 PAVING TRANSITIONS - DEPARTURE SN 057-0206

(B) NORTHBOUND (A)
 STATION TO STATION
 344+59.64 346+04.00 (ALONG PGL)



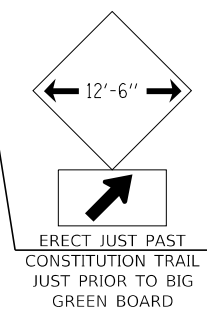
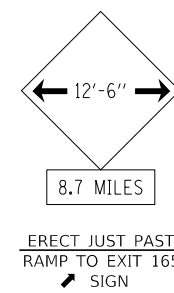
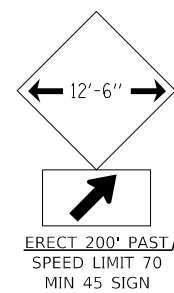
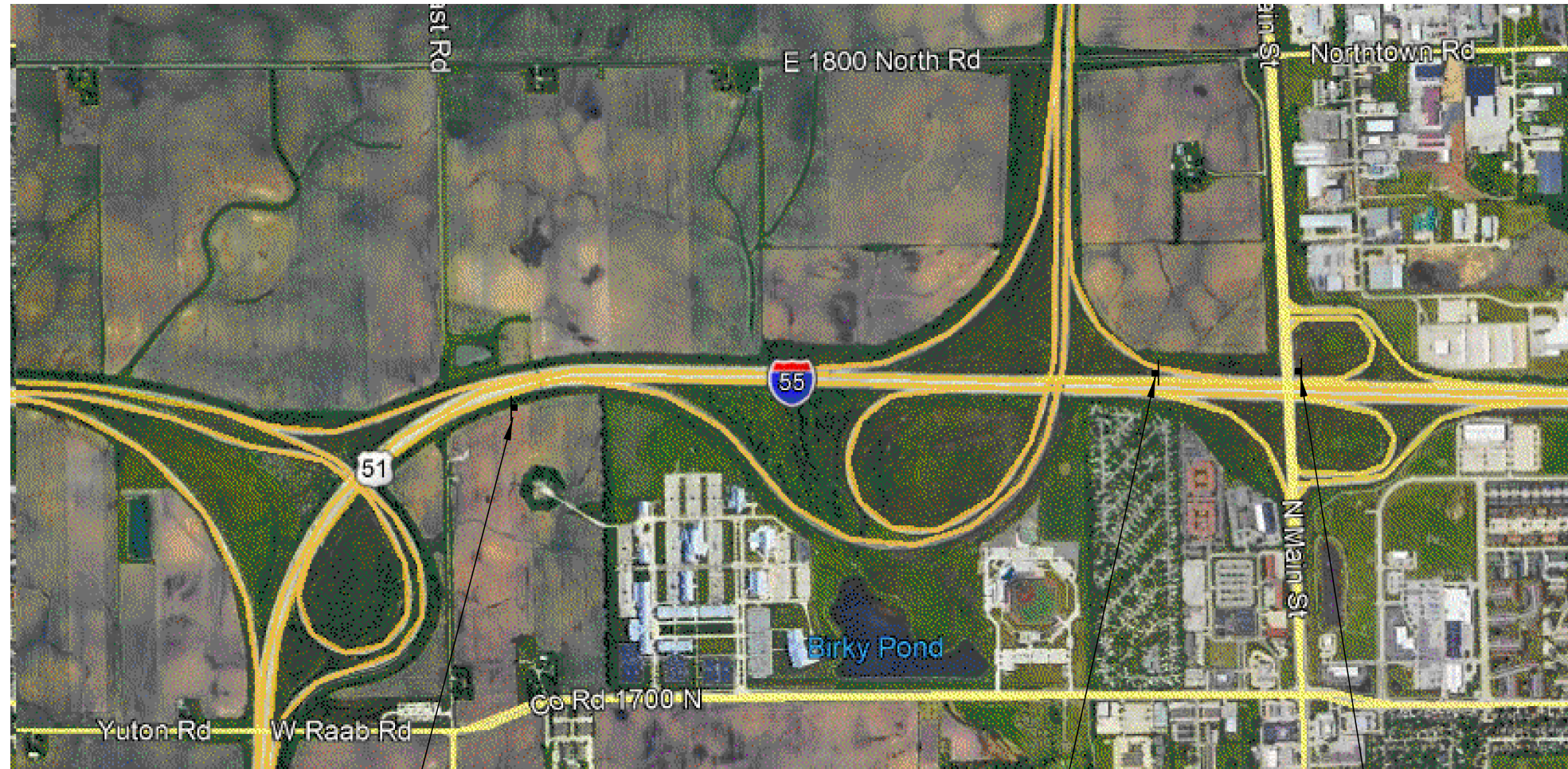
APPROACH	(A) TO (B)	(B) TO APPROACH PAVEMENT
OUTSIDE EDGE OF SHOULDER	137.17'	10.08'
PGL	136.96'	1.51'
MEDIAN EDGE OF SHOULDER	136.93'	0.00'
DEPARTURE		
OUTSIDE EDGE OF SHOULDER	141.43'	0.00'
PGL	139.72'	5.67'
MEDIAN EDGE OF SHOULDER	139.41'	6.67'

NOTES:
 PROFILE SHOWN IS PRIOR TO DIAMOND GRINDING.
 CONTRACTOR TO FILL VOIDS WITH APPROVED MATERIAL TO BRIDGE APPROACH PAVEMENT
 SEE SHEET 36 FOR FURTHER DETAILS.

MODEL: D:\d65\11
 FILE NAME: D570D65-sht-details.dgn

NOTES

SEE SHEET X OF X FOR ADDITIONAL DETAILS.



MODEL: Default
FILE NAME: D570D65-shr-WRS.dgn

CEC Cummins
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Civil and Structural Engineering

JOB = 2596.1
FILE NAME = D570D65-shr-WRS.dgn
PLOT SCALE = 40,0000' / in.
PLOT DATE = 1/29/2020

DESIGNED - NAK
DRAWN - SJS
CHECKED - NAK
DATE - 5/31/2019

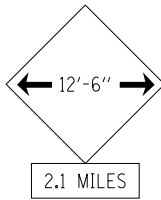
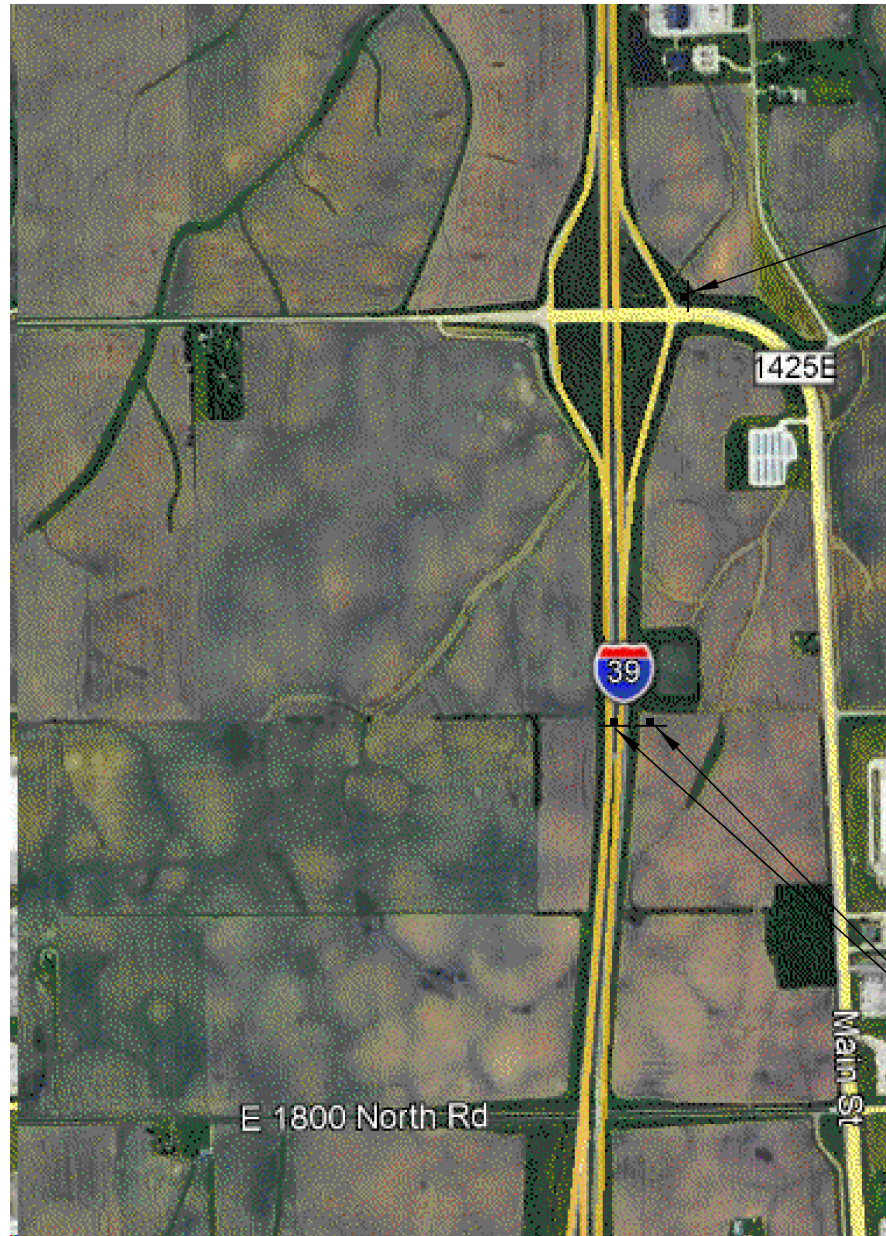
REVISED -
REVISED -
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REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

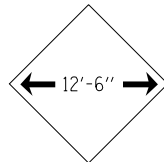
WIDTH RESTRICTION SIGNING DETAILS

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

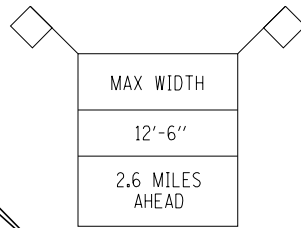
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	MCLEAN	97	44
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				



ERECT PRIOR TO
USE PROHIBITED BY
SIGN

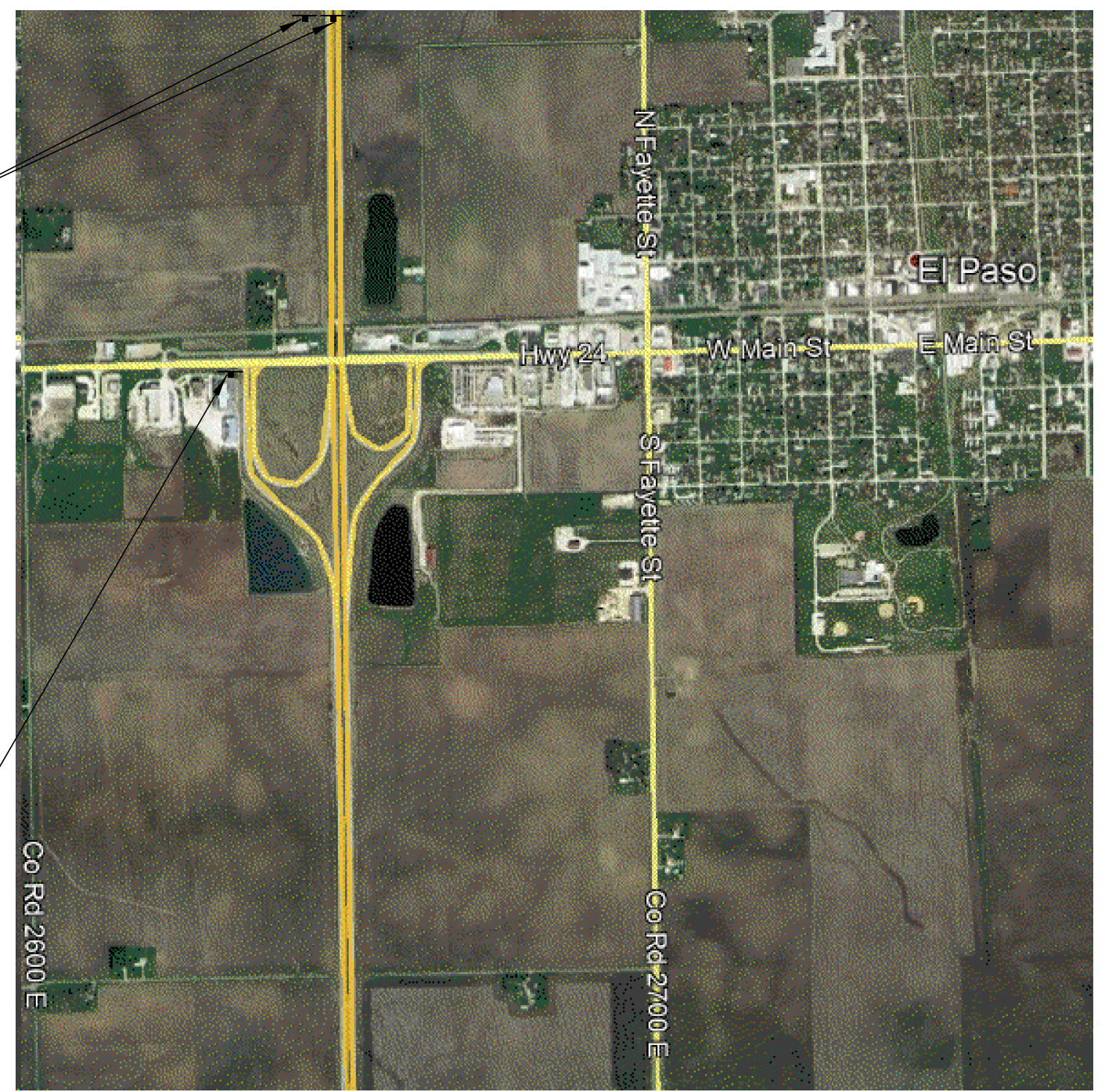
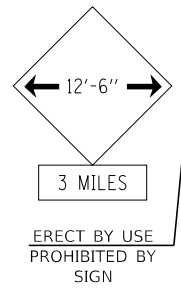
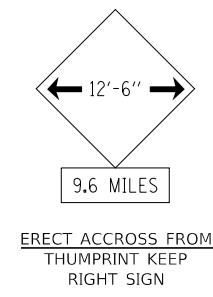
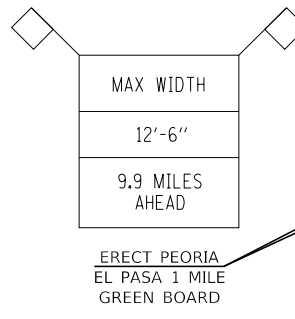
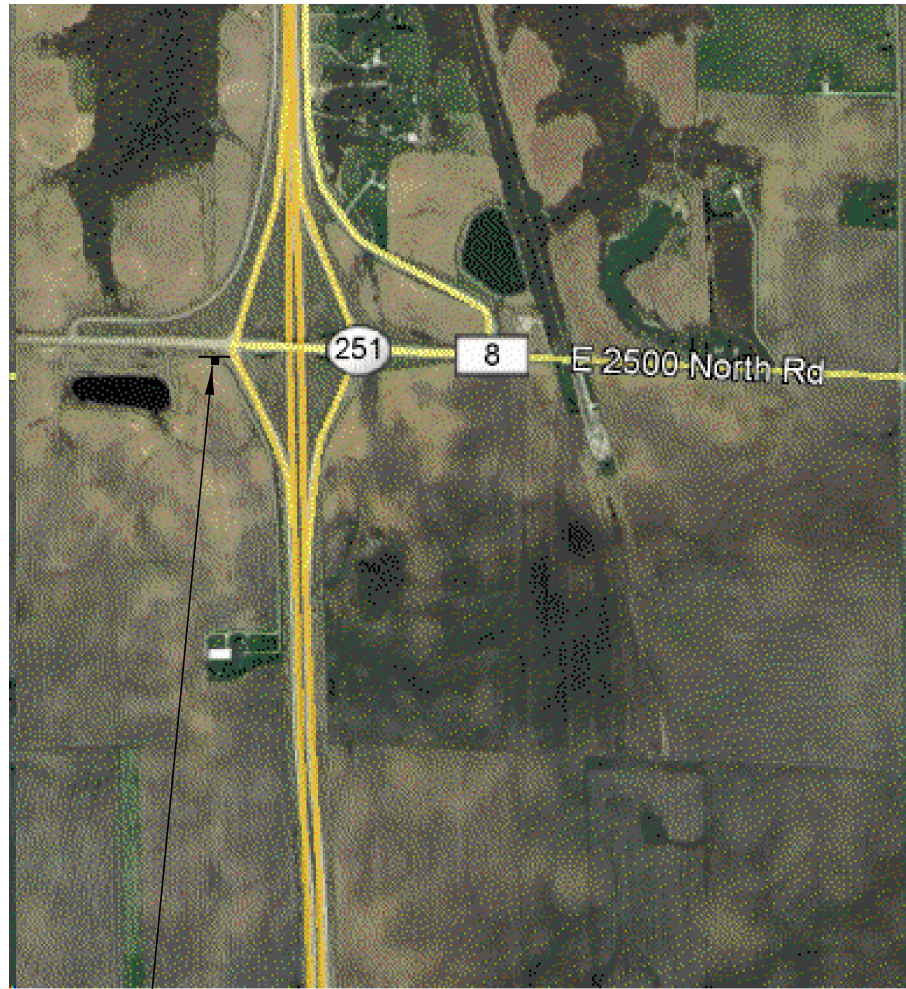


ERECT BY USE
PROHIBITED BY
SIGN



ERECT BY BUSN 51
BLOOMINGTON/NORMAL
½ MILE GREEN BOARD

MODEL: Default
FILE NAME: D570D65-shr-WRS.dgn



MODEL: Default
 FILE NAME: D570D65-shr-WRS.dgn

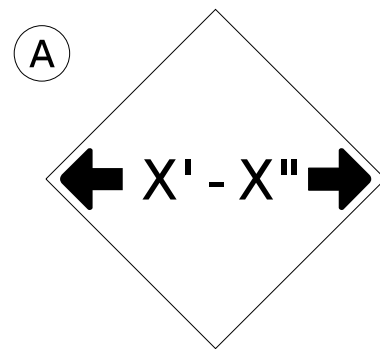
CEC Cummins
 Engineering
 Corporation
 Civil and Structural Engineering

JOB = 2596.1	DESIGNED - NAK	REVISED -
FILE NAME = D570D65-shr-WRS.dgn	DRAWN - SJS	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED - NAK	REVISED -
PLOT DATE = 1/29/2020	DATE - 5/31/2019	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

WIDTH RESTRICTION SIGNING DETAILS
 SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

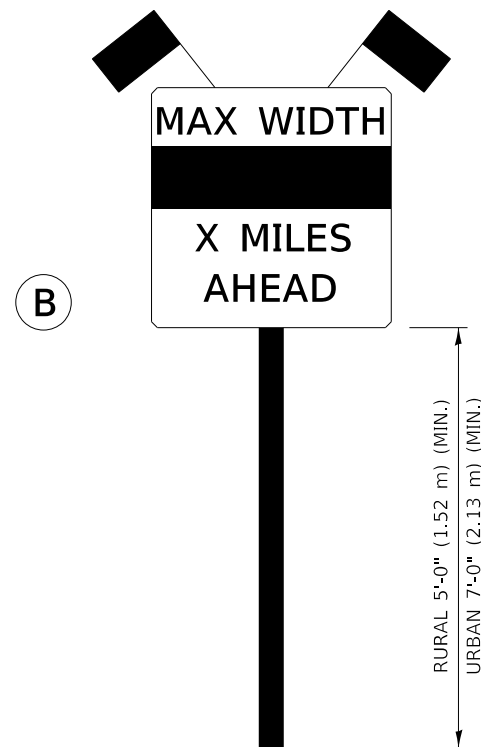
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	MCLEAN	97	46
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				



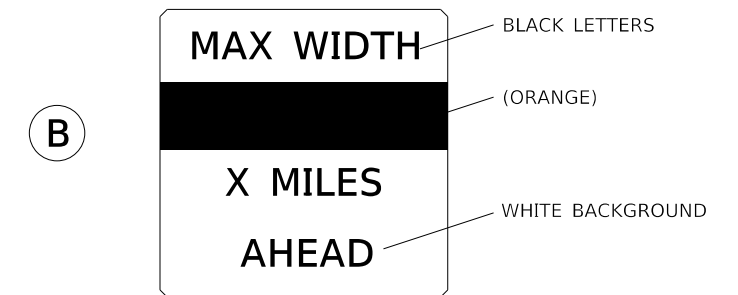
W12-2(O)-48"x48"(1200x1200)

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

SIGN (B) 2 SIGNS - (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(O)-48"x48"(1200x1200)
"D" LETTERS/NUMBERS**

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.

MODEL: D:\dgn\ FILE NAME: D570D65-shr-WRS.dgn

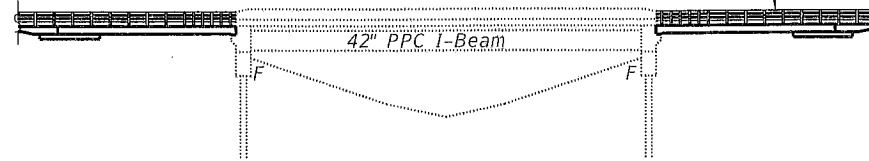
JOB = 2596.1	DESIGNED - NAK	REVISED -
FILE NAME = D570D65-shr-WRS.dgn	DRAWN - SJS	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED - NAK	REVISED -
PLOT DATE = 1/29/2020	DATE - 5/31/2019	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	MCLEAN	97	47
			CONTRACT NO. 70D65	
			ILLINOIS FED. AID PROJECT	

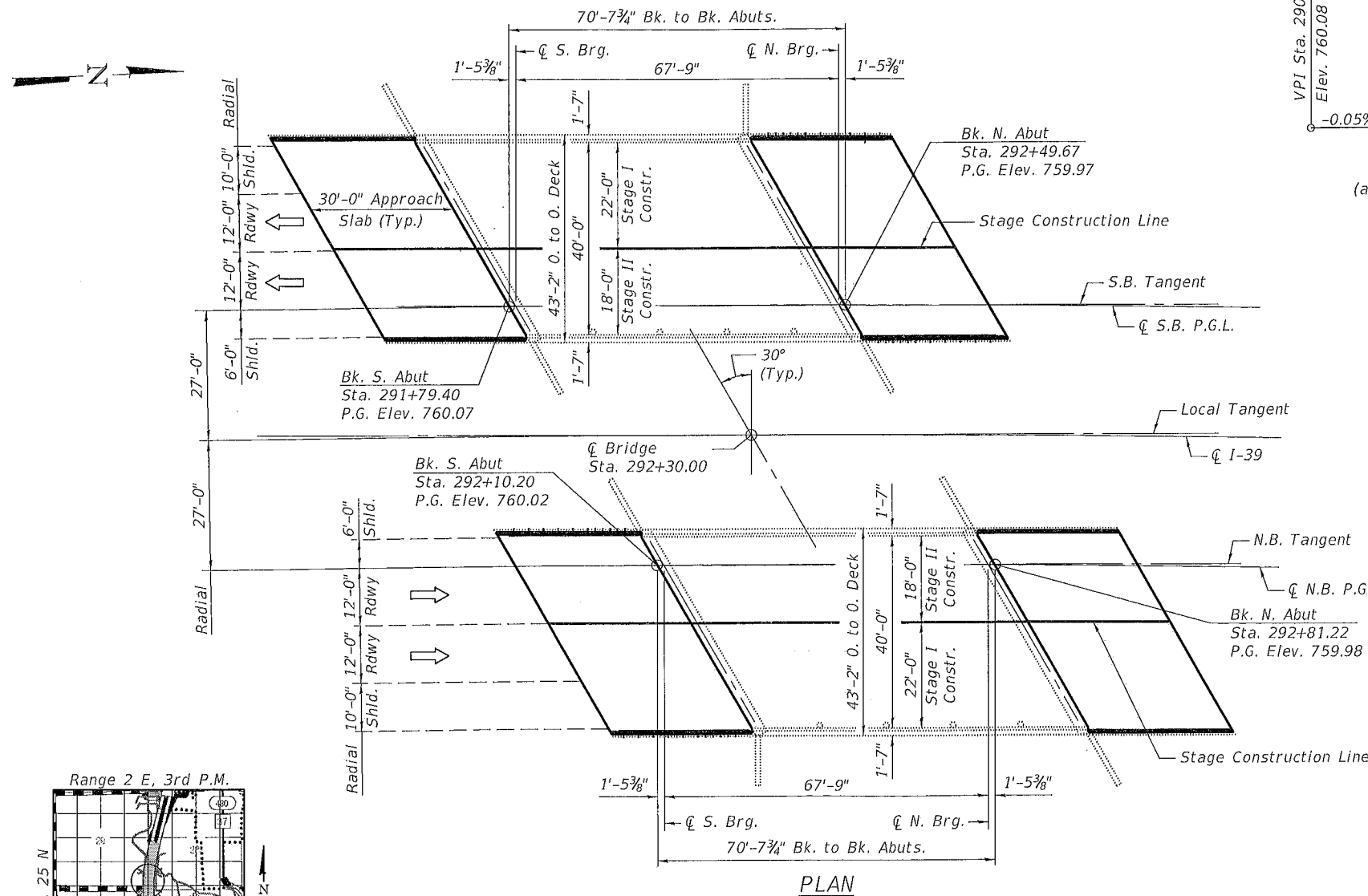
Benchmark: Top of wing wall at the SE corner of SN 057-0210, 8' Rt. Sta. 291+84, Elev. 759.88

Existing Structures: SN 057-0210 and S.N. 057-0211 were originally built in 1989 under Section 57-3B and consist of single-span PPC I-Beam superstructures on pile bent abutments. The existing structures are 70'-7 $\frac{3}{4}$ " bk. to bk. of abutments and 40'-0" fc. to fc. curbs. The overall bridge width is 43'-2" out to out of deck. New latex concrete overlays and approach slabs will be built under staged construction.

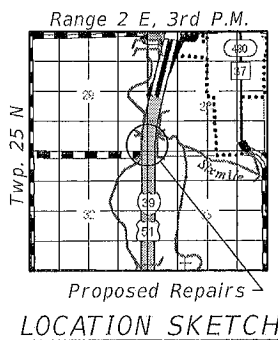
Remove and Re-erect terminals and guardrail as required. See roadway plans.



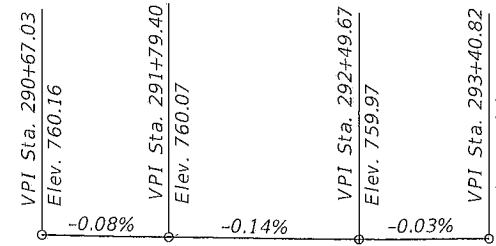
ELEVATION



PLAN

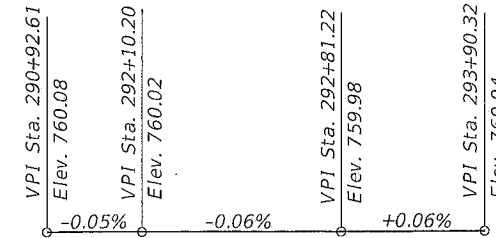


Proposed Repairs
LOCATION SKETCH



(SB) PROFILE GRADE

(along Median Edge of Pavement)
The Profile grade shows the final elevations after grinding.



(NB) PROFILE GRADE

(along Median Edge of Pavement)

CURVE DATA

P.I. Sta. = 298+42.98
 $\Delta = 13^\circ 16' 24''$
 $D = 0^\circ 50' 0.0''$
 $R = 6875.49$
 $L = 1592.81'$
 $E = 46.38'$
 $T = 799.99'$
 $S.E. = 0.028 \frac{1}{2}$
 From Sta. 288+72.99
 To Sta. 291+27.99

SCOPE OF WORK

1. Perform bridge deck scarification on bridge deck.
2. Perform full-depth patching.
3. Perform structural repair of concrete on face of abutments.
4. Place latex concrete overlay.
5. Construct approach slabs.
6. Diamond grind bridge deck and approach slabs.

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work. Up to $\frac{1}{4}$ inch may be grounded off the bridge deck and bridge approach slabs. Fibers shall be added to the Bridge Deck Latex Concrete Overlay. See Special Provisions.

DESIGN STRESSES

FIELD UNITS (New Construction)

$f'_c = 4,000$ psi (Superstructure)
 $f_y = 60,000$ psi (Reinforcement)

FIELD UNITS (Existing Construction)

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi

PRECAST PRESTRESSED UNITS (Existing)

$f'_c = 6,000$ psi
 $f'_ci = 4,500$ psi
 $f'_s = 270,000$ psi ($\frac{1}{2}$ " \emptyset strand)
 $f'_si = 189,000$ psi ($\frac{1}{2}$ " \emptyset strand)

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Structures	Cu. Yd.	60.0
Protective Coat	Sq. Yd.	1198
Concrete Superstructure (Approach Slab)	Cu. Yd.	240.8
Reinforcement Bars, Epoxy Coated	Pound	93,750
Bar Splicers	Each	524
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	698
Bridge Deck Latex Concrete Overlay, 2 $\frac{3}{4}$ " Inch	Sq. Yd.	628
Bridge Deck Scarification $\frac{3}{4}$ "	Sq. Yd.	628
Structural Repair of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq. Ft.	144
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	22
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	10
Diamond Grinding (Bridge Section)	Sq. Yd.	1060

GENERAL PLAN AND ELEVATION

F.A.I. ROUTE 39 (I-39)

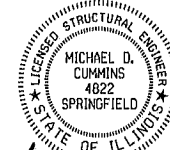
OVER SIX MILE CREEK TRIBUTARY

SECTION (57-3B-1)BDS

McLEAN COUNTY

STA 292+30.00

STRUCTURE NO. 057-0210 & 0211



Michael D. Cummins 1/29/20
 (Expires 11/30/20)

MODEL: Default
 FILE NAME: 057-0210_0211-70D65-00-GPE.dgn

CEC Cummins
 Engineering
 Corporation
 Civil and Structural Engineering

JOB # 2596.1
 FILE NAME 057-0210_0211-70D65-00-GPE.dgn
 PLOT DATE 1/30/2020

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 CHECKED - MDC
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 CHECKED - MDC

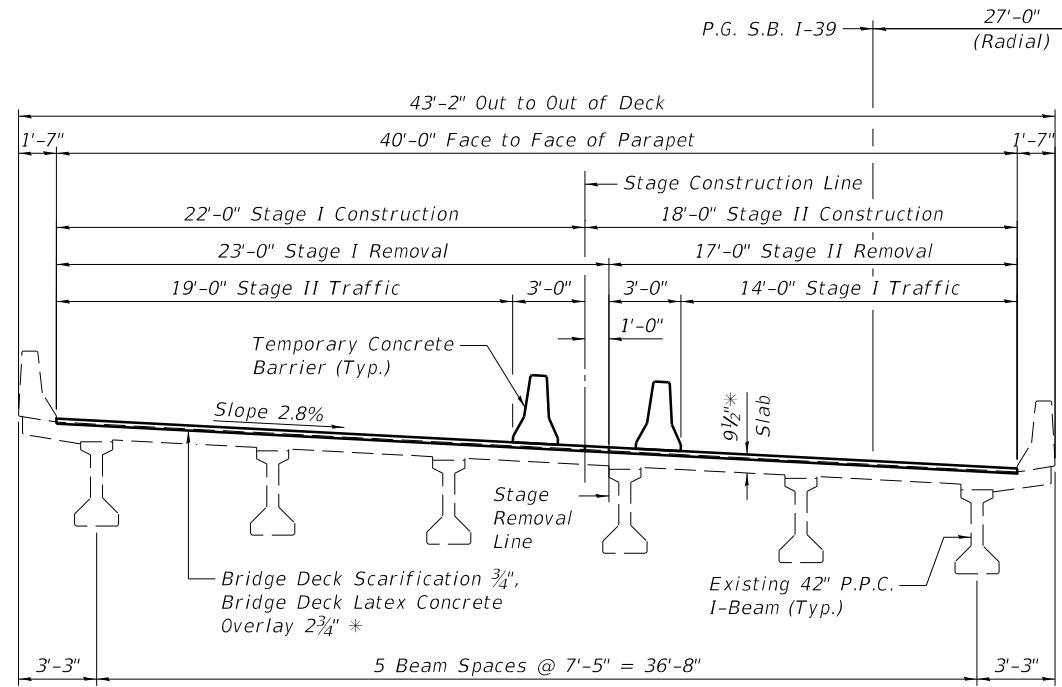
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

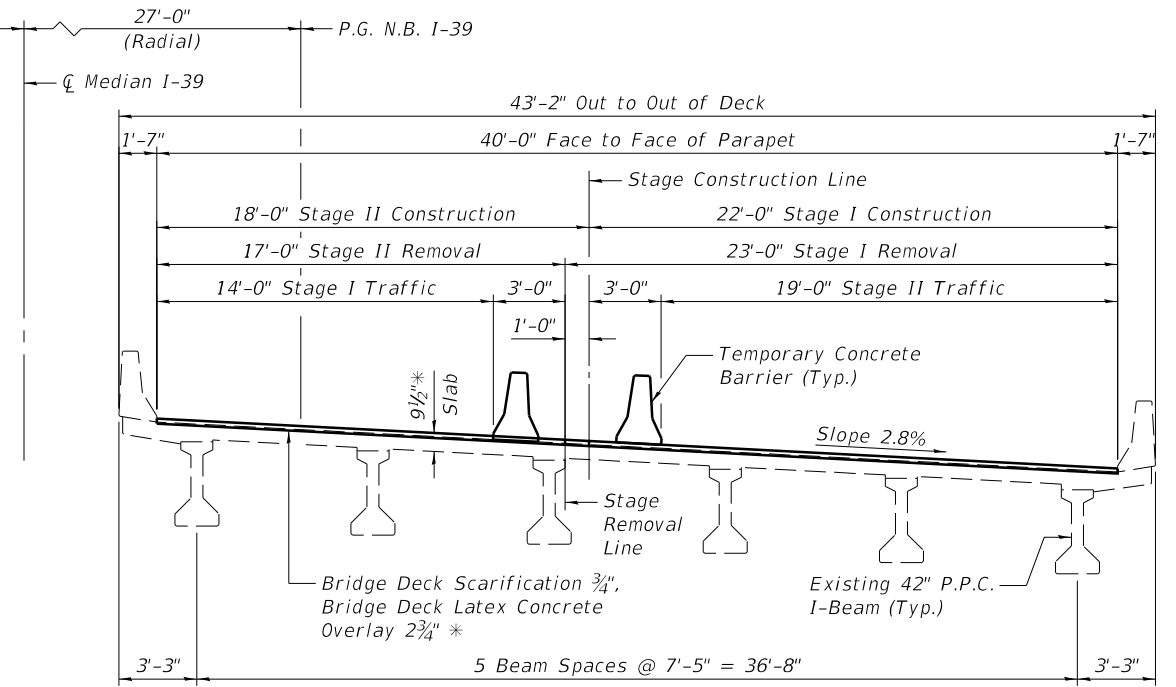
**GENERAL PLAN AND ELEVATION
 STRUCTURE NO. 057-0210 (S.B.) & 057-0211 (N.B.)**

SHEET 1 OF 13 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	48
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				



STAGE I & II CONSTRUCTION
(SN 057-0210 Southbound looking North)



STAGE I & II CONSTRUCTION
(SN 057-0211 Northbound looking North)

* Prior to Grinding

MODEL: \$MODELNAME\$
FILE NAME: \$FILEL\$



JOB = 2596.1	DESIGNED - AAN	REVISED -
FILE NAME = \$FILEL\$	CHECKED - MDC	REVISED -
PLOT DATE = \$DATE\$	DRAWN - SJS	REVISED -
	CHECKED - MDC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAIL
STRUCTURE NO. 057-0210 (S.B) & 057-0211 (N.B.)

SHEET 2 OF 13 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	49
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End S. Appr.	291+30.85	-34.00	760.76	760.78
A1	291+40.68	-34.00	760.83	760.85
A2	291+50.52	-34.00	760.90	760.92
N. End S. Appr.	291+60.37	-34.00	760.97	760.99

WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End S. Appr.	291+36.61	-24.00	760.67	760.69
A1	291+46.24	-24.00	760.68	760.70
A2	291+56.64	-24.00	760.69	760.71
N. End S. Appr.	291+65.97	-24.00	760.70	760.72

STAGE CONSTRUCTION LINE

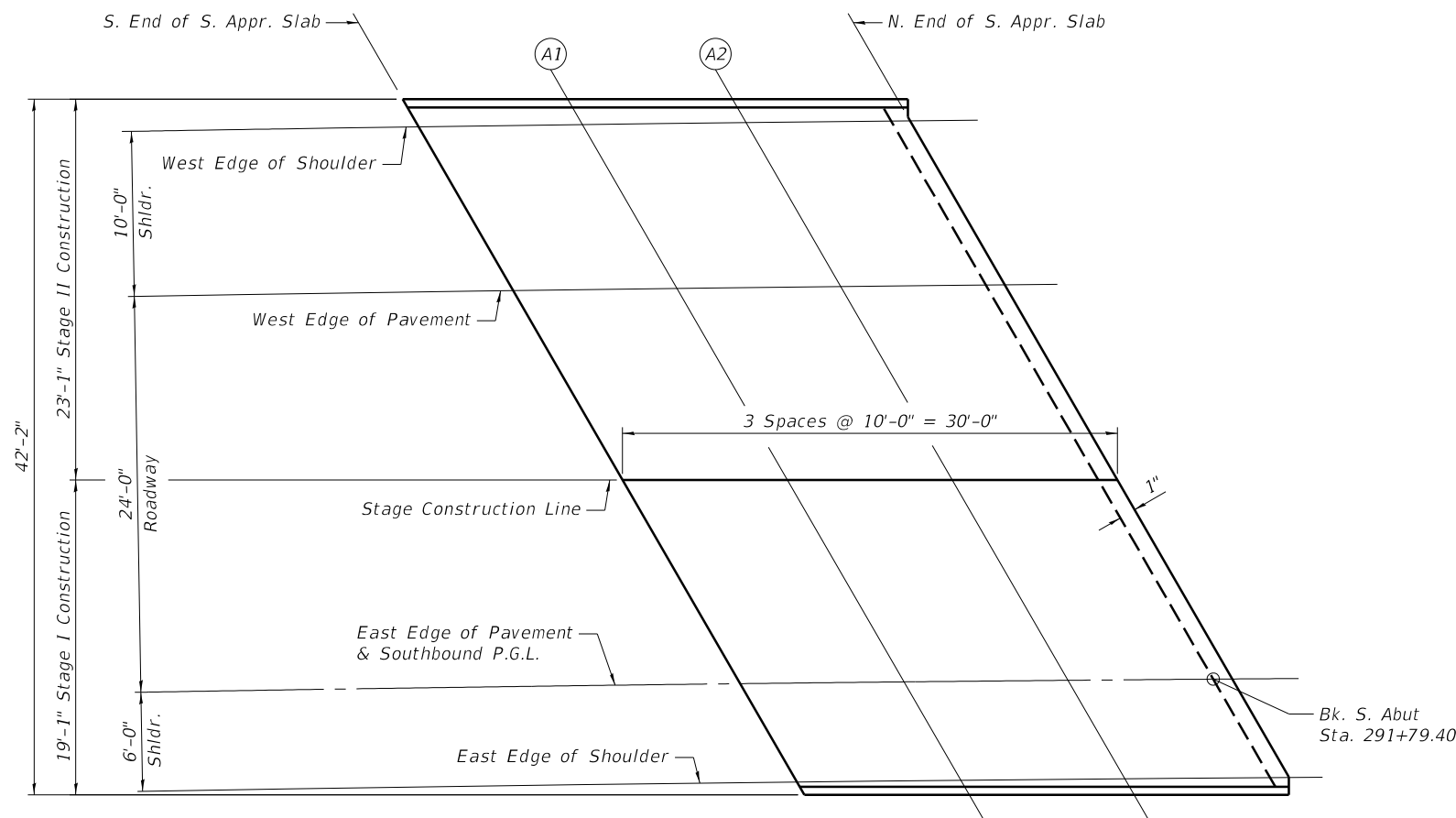
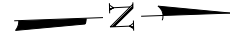
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End S. Appr.	291+42.83	-12.43	760.38	760.40
A1	291+52.77	-12.31	760.39	760.41
A2	291+62.71	-12.20	760.39	760.41
N. End S. Appr.	291+72.65	-12.11	760.39	760.41

EAST EDGE OF PAVEMENT & SOUTHBOUND P.G.L.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End S. Appr.	291+49.77	0.00	760.09	760.11
A1	291+59.67	0.00	760.09	760.11
A2	291+69.57	0.00	760.08	760.10
N. End S. Appr.	291+79.49	0.00	760.07	760.09

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End S. Appr.	291+53.13	6.00	759.83	759.85
A1	291+63.04	6.00	759.80	759.82
A2	291+72.96	6.00	759.78	759.80
N. End S. Appr.	291+83.87	6.00	759.76	759.78



PLAN
(South Approach S.N. 057-0210)

MODEL: \$MODELNAMES
FILE NAME: \$FILES

E-AS1

2-17-2017



JOB = 2596.1	DESIGNED - AAN	REVISED -
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PLOT DATE = \$DATE\$	DRAWN - SJS	REVISED -
	CHECKED - MDC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SOUTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 057-0210 (S.B.)**

SHEET 3 OF 13 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	50
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End N. Appr.	292+30.09	-34.00	760.83	760.85
A3	292+39.93	-34.00	760.78	760.80
A4	292+49.85	-34.00	760.72	760.74
N. End N. Appr.	292+59.78	-34.00	760.67	760.69

WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End N. Appr.	292+35.74	-24.00	760.60	760.62
A3	292+45.68	-24.00	760.58	760.60
A4	292+55.62	-24.00	760.57	760.59
N. End N. Appr.	292+65.57	-24.00	760.55	760.57

STAGE CONSTRUCTION LINE

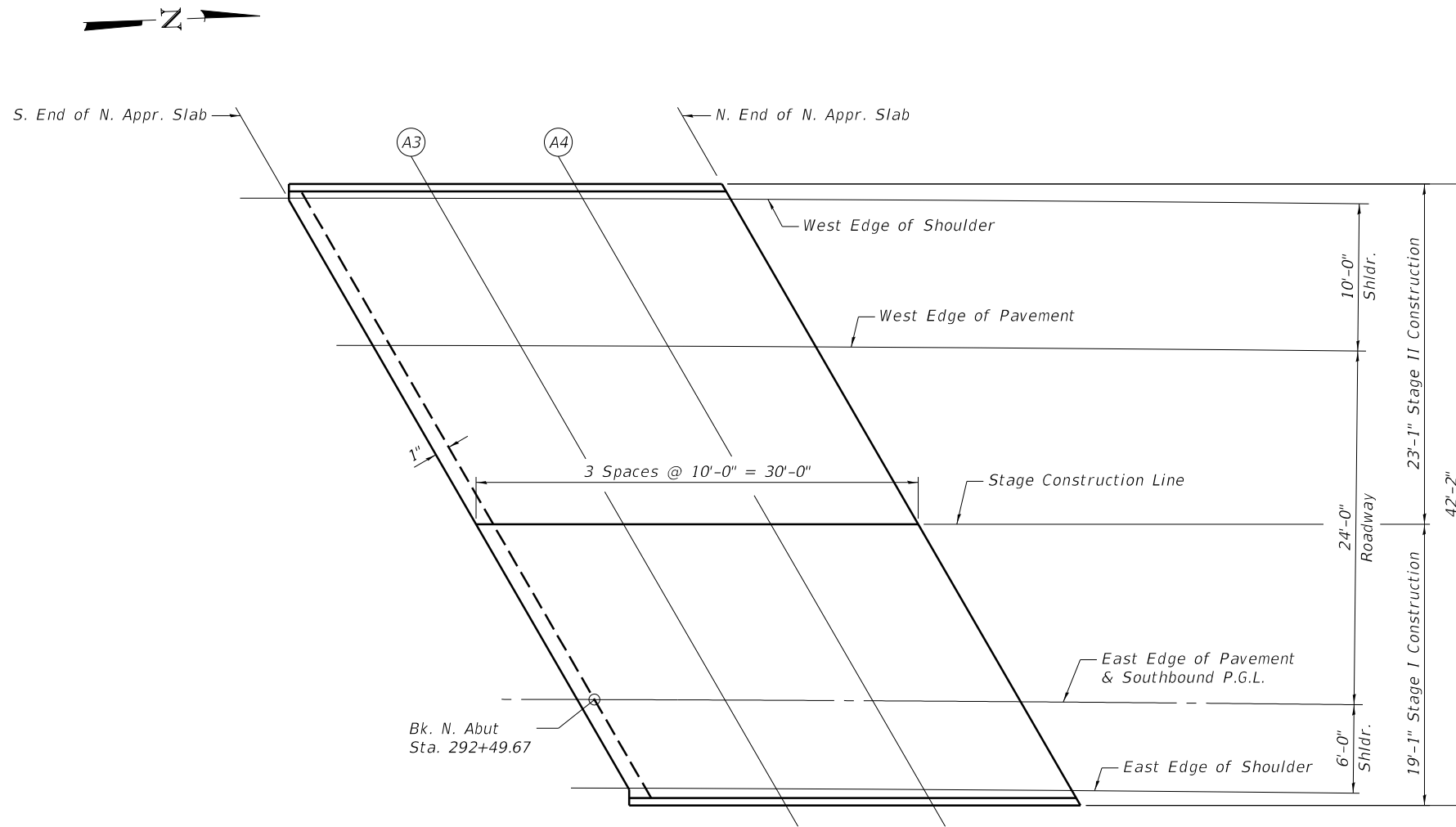
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End N. Appr.	292+42.72	-11.88	760.29	760.31
A3	292+52.66	-11.91	760.28	760.30
A4	292+62.57	-11.95	760.27	760.29
N. End N. Appr.	292+72.55	-12.00	760.25	760.27

EAST EDGE OF PAVEMENT & SOUTHBOUND P.G.L.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End N. Appr.	292+49.58	0.00	759.97	759.99
A3	292+59.56	0.00	759.97	759.99
A4	292+69.55	0.00	759.96	759.98
N. End N. Appr.	292+79.55	0.00	759.96	759.98

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End N. Appr.	292+53.06	6.00	759.58	759.60
A3	292+63.05	6.00	759.61	759.63
A4	292+73.05	6.00	759.63	759.65
N. End N. Appr.	292+83.06	6.00	759.66	759.68



PLAN
(North Approach S.N. 057-0210)

MODEL: \$MODELNAMES
FILE NAME: \$FILES



JOB = 2596.1	DESIGNED - AAN	REVISED -
FILE NAME = \$FILES	CHECKED - MDC	REVISED -
PLOT DATE = \$DATE\$	DRAWN - SJS	REVISED -
	CHECKED - MDC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF NORTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 057-0210 (S.B.)**

SHEET 4 OF 13 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	51
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

WEST EDGE OF SHOULDER

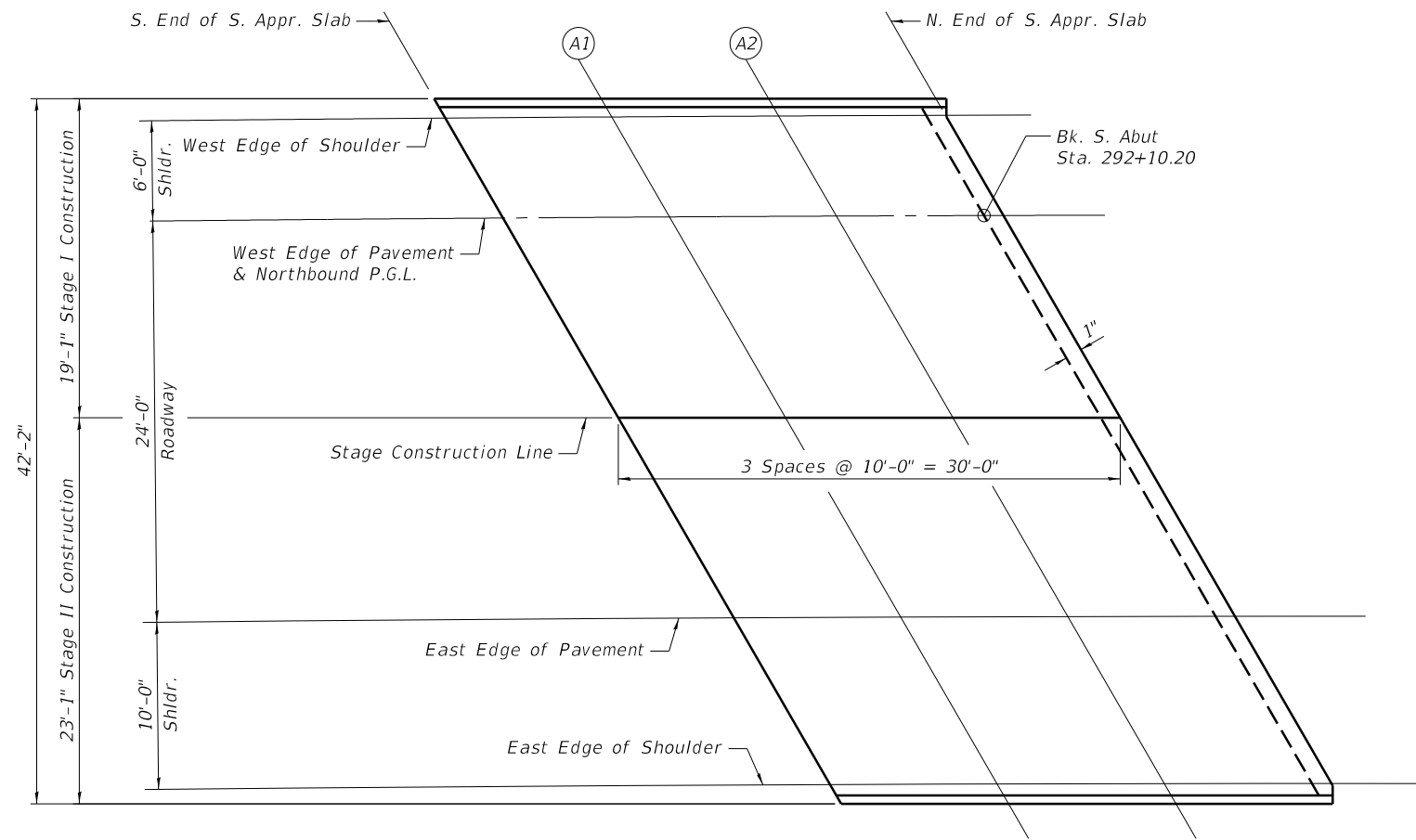
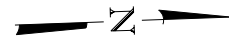
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End S. Appr.	291+76.85	-6.00	760.14	760.16
A1	291+86.84	-6.00	760.16	760.18
A2	291+96.84	-6.00	760.18	760.20
N. End S. Appr.	292+06.90	-6.00	760.20	760.22

WEST EDGE OF PAVEMENT & NORTHBOUND P.G.L.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End S. Appr.	291+80.27	0.00	760.04	760.06
A1	291+90.27	0.00	760.03	760.05
A2	292+00.28	0.00	760.03	760.05
N. End S. Appr.	292+10.30	0.00	760.02	760.04

STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End S. Appr.	291+87.12	12.00	759.72	759.74
A1	291+97.18	12.05	759.71	759.73
A2	292+07.24	12.09	759.69	759.71
N. End S. Appr.	292+17.29	12.12	759.68	759.70



PLAN
(South Approach S.N. 057-0211)

EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End S. Appr.	291+94.01	24.00	759.38	759.40
A1	292+04.05	24.00	759.36	759.38
A2	292+14.11	24.00	759.35	759.37
N. End S. Appr.	292+12.18	24.00	759.35	759.37

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End S. Appr.	291+99.76	34.00	759.17	759.19
A1	292+09.83	34.00	759.17	759.19
A2	292+19.91	34.00	759.17	759.19
N. End S. Appr.	292+29.99	34.00	759.17	759.19

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FILE NAME: \$FILES



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FILE NAME = \$FILES	CHECKED - MDC	REVISED -
PLOT DATE = \$DATE\$	DRAWN - SJS	REVISED -
	CHECKED - MDC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SOUTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 057-0211 (N.B.)**

SHEET 5 OF 13 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	52
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End N. Appr.	292+77.59	-6.00	760.18	760.20
A3	292+87.67	-6.00	760.15	760.17
A4	292+97.75	-6.00	760.13	760.15
N. End N. Appr.	293+07.84	-6.00	760.10	760.12

WEST EDGE OF PAVEMENT & NORTHBOUND P.G.L.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End N. Appr.	292+81.13	0.00	759.98	760.00
A3	292+91.21	0.00	759.98	760.00
A4	293+01.31	0.00	759.97	759.99
N. End N. Appr.	293+11.41	0.00	759.97	759.99

STAGE CONSTRUCTION LINE

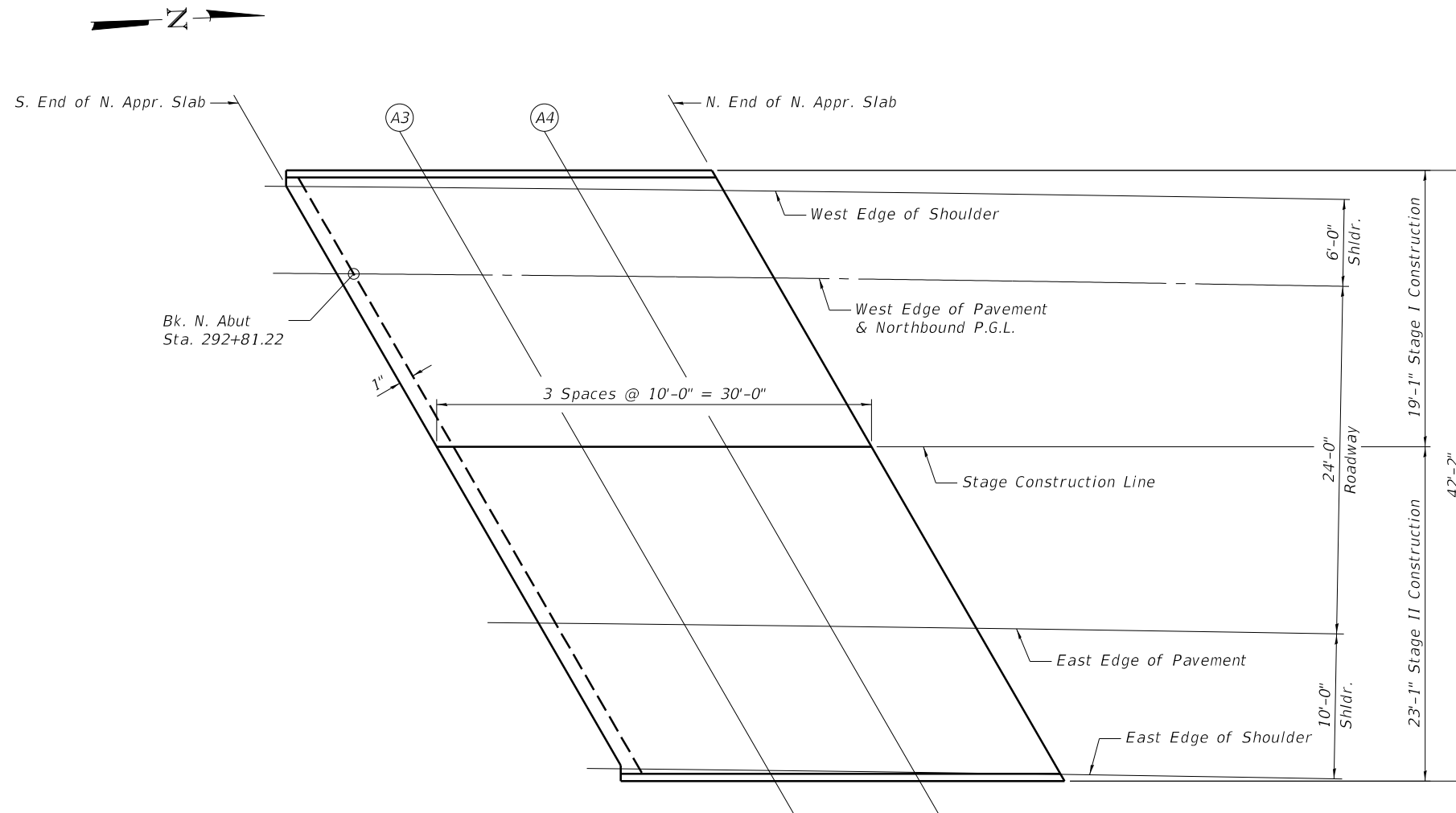
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S. End N. Appr.	292+88.15	11.89	759.70	759.72
A3	292+98.20	11.79	759.69	759.71
A4	293+08.26	11.69	759.68	759.70
N. End N. Appr.	293+18.32	11.57	759.68	759.70

EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End N. Appr.	292+95.34	24.00	759.37	759.39
A3	293+05.47	24.00	759.36	759.38
A4	293+15.61	24.00	759.35	759.37
N. End N. Appr.	293+25.77	24.00	759.34	759.36

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End N. Appr.	293+01.15	34.00	759.06	759.08
A3	293+11.45	34.00	759.04	759.06
A4	293+21.61	34.00	759.03	759.05
N. End N. Appr.	293+31.78	34.00	759.01	759.03



PLAN
(North Approach S.N. 057-0211)

MODEL: \$MODELNAMES
FILE NAME: \$FILES

CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

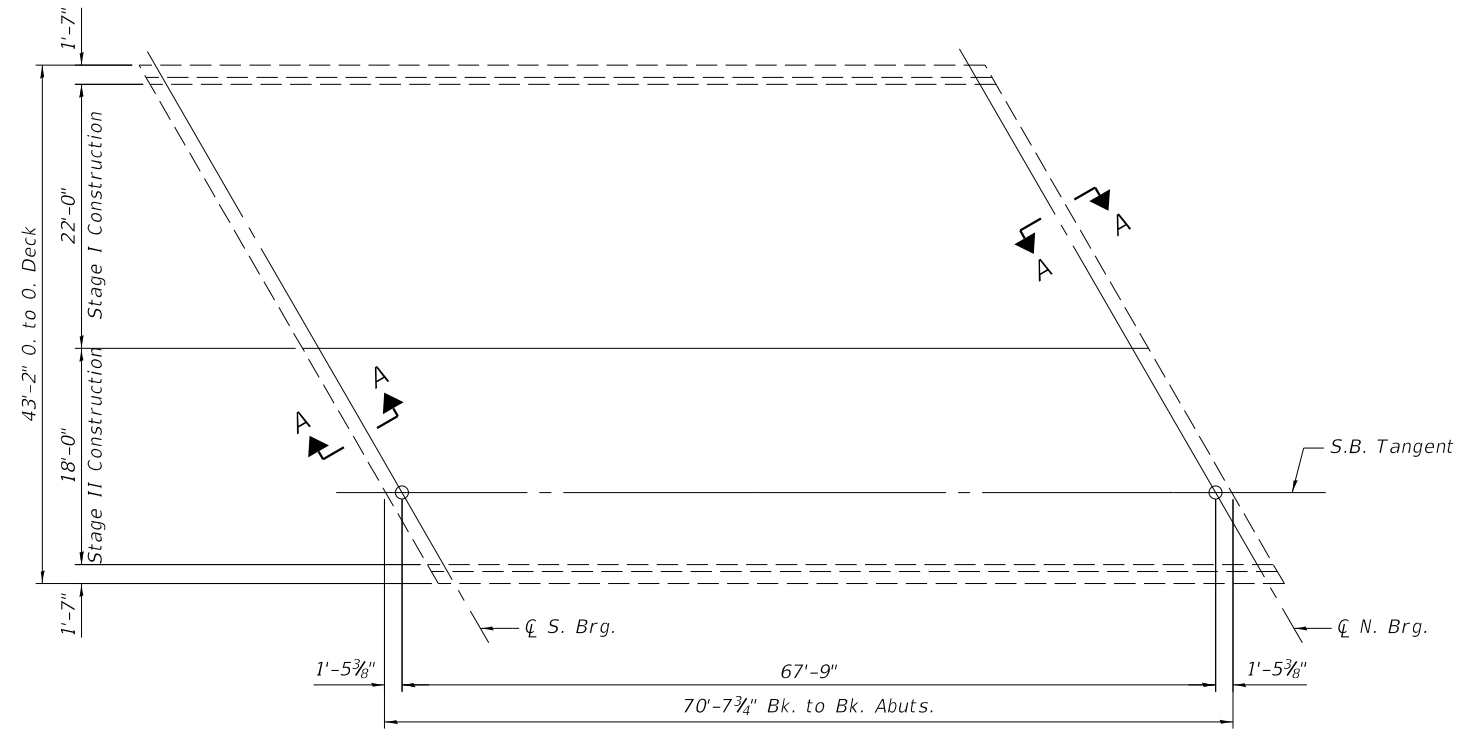
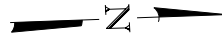
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF NORTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 057-0211 (N.B.)

SHEET 6 OF 13 SHEETS

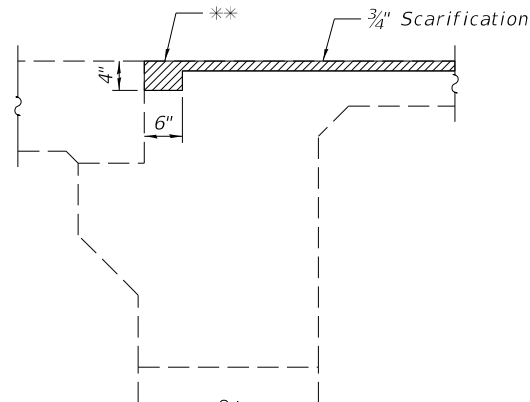
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39	(57-3B-1)BDS	McLEAN	97	53
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				



BRIDGE DECK PATCHING PLAN

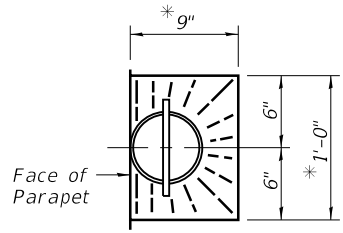
(SN 057-0210 - SB)

PATCH NO.	SIZE	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	DECK SLAB REPAIR (FULL DEPTH, TYPE II)		
		SQ. YD.	SQ. YD.		
TOTAL					



SECTION A-A

** Areas along end of bridge deck shall be scarified to a minimum depth of 4 inches and a minimum width of 6 inches. Cost included with Bridge Deck Scarification 3/4"



PLAN AT FLOOR DRAINS
* Slope to drain

LEGEND

- Grid pattern: Deck Slab Repair Full Depth (Type I)
- Diagonal hatching: Deck Slab Repair Full Depth (Type II)

BILL OF MATERIAL

Item	Unit	Total
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	11
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	5

Deck Slab Repair (Full Depth) quantities have been estimated as 5% of the deck. The Engineer shall show actual locations of deck repairs on as-built plans.
The cost of removal of raised reflective pavement markers on the existing bridge surface shall be included in the cost of Bridge Deck Scarification.

MODEL: Default
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

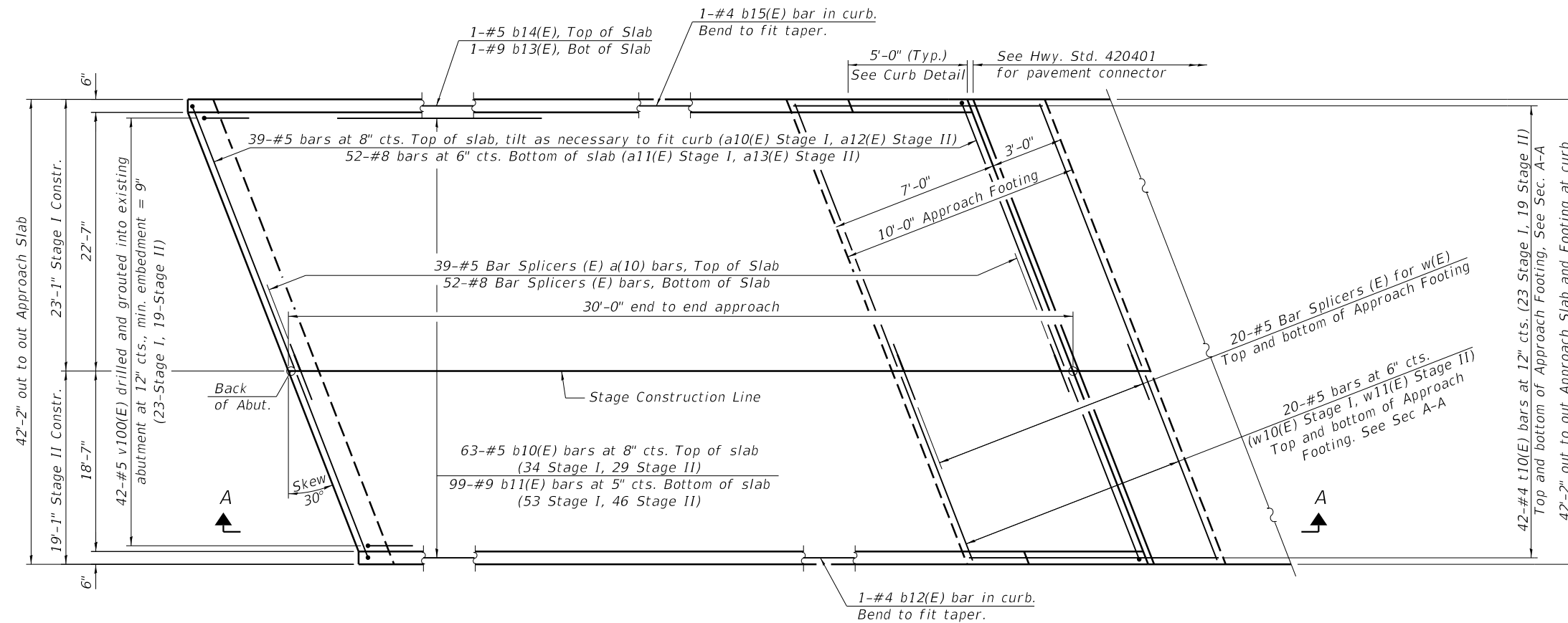
**BRIDGE DECK PATCHING PLAN
STRUCTURE NO. 057-0210 (S.B.)**

SHEET 7 OF 13 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	54

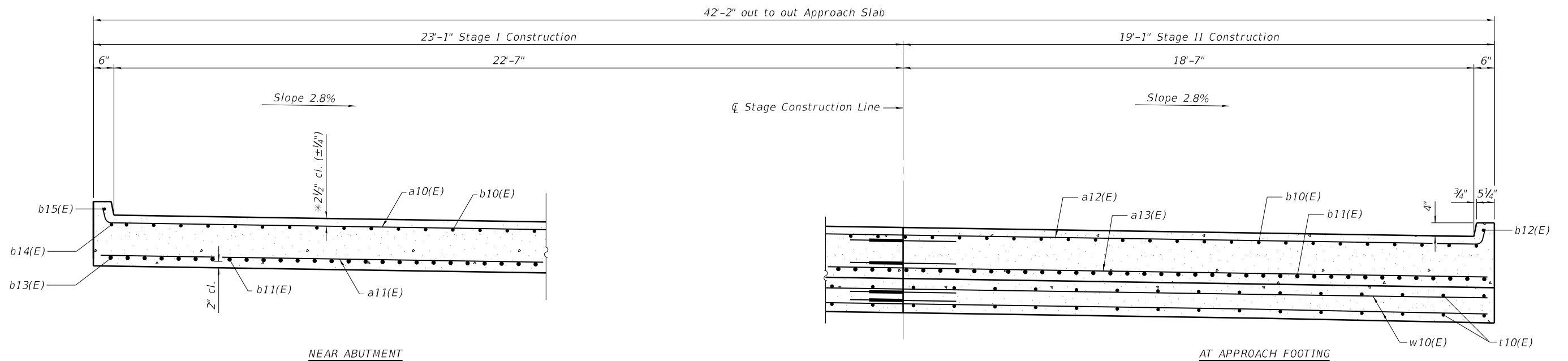
CONTRACT NO. 70D65
ILLINOIS FED. AID PROJECT

North Approach
S.N. 057-0210 S.B.



PLAN

(North Approach S.N. 057-0210 (S.B.) shown, other approaches similar)



CROSS SECTION

(Looking North)

* Prior to Grinding

(Sheet 1 of 2)

MODEL: \$MODELNAMES
FILE NAME: \$FILELS

CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

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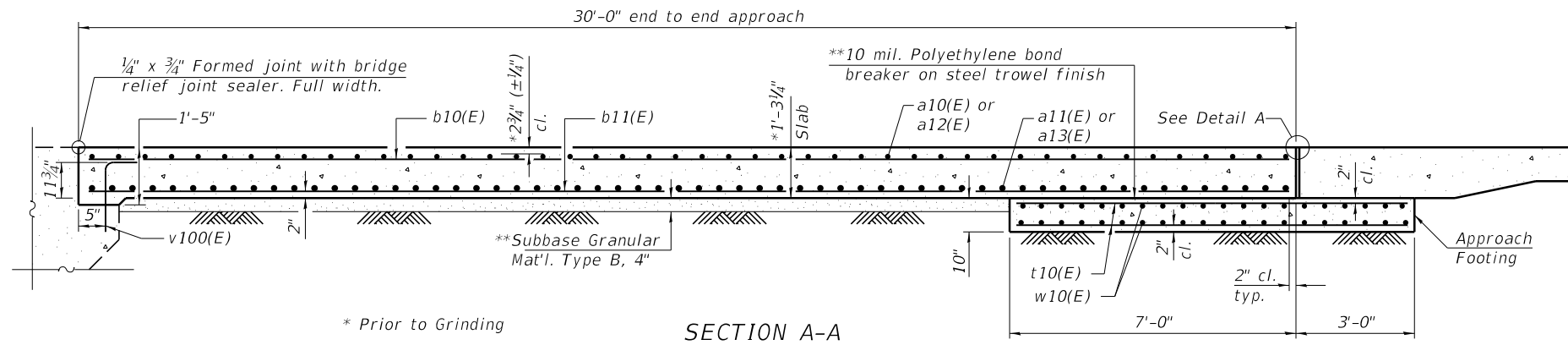
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MODIFIED BRIDGE APPROACH DETAILS
STRUCTURE NO. 057-0210 (S.B.) & 057-0211 (N.B.)

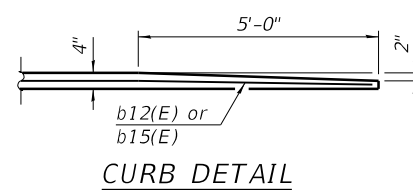
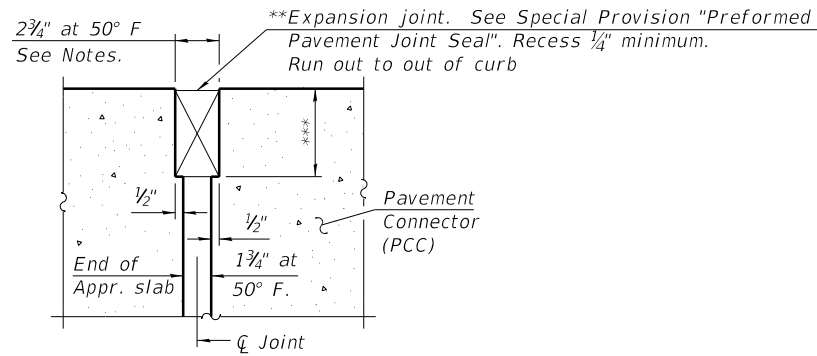
SHEET 9 OF 13 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	56
CONTRACT NO. 70D65				

ILLINOIS FED. AID PROJECT

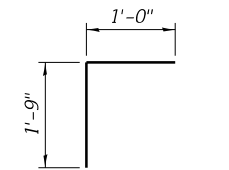


Notes:
 The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.
 Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
 Approach footing concrete shall be paid for as Concrete Structures.
 The approach footing maximum applied service bearing pressure (Q_{max}) = 2.0 ksf.
 Cost of excavation for approach footing included with Concrete Structures.
 All v100(E) bars shall be epoxy grouted in accordance with Section 584 of the Standard Specifications. Minimum embedment = 9". Locate bars to miss existing reinforcement.

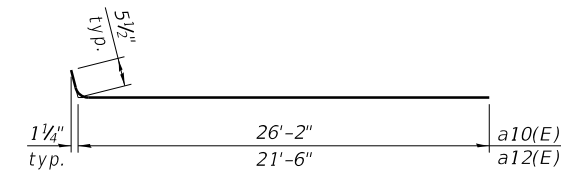


DETAIL A
 (@ Rt. L's)

** Cost included with Concrete Superstructure (Approach Slab).
 *** Per manufacturer recommendations



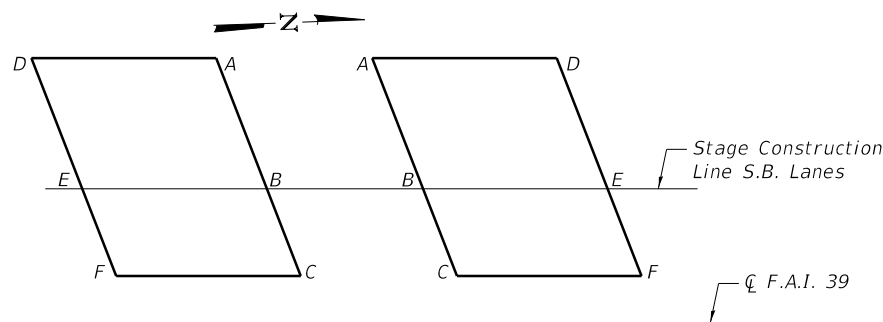
BAR v100(E)



BAR a10(E) & a12(E)

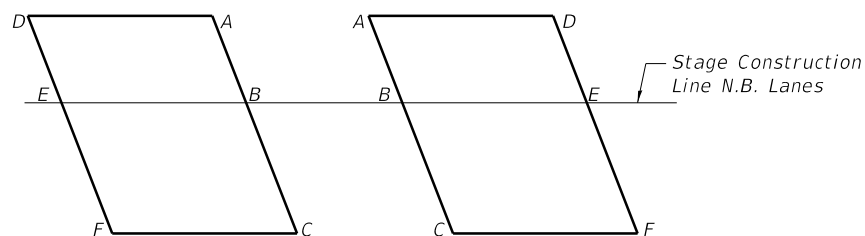
FOUR APPROACHES
 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	156	#5	26'-8"	—
a11(E)	208	#8	26'-2"	—
a12(E)	156	#5	22'-0"	—
a13(E)	208	#8	21'-6"	—
b10(E)	252	#5	29'-8"	—
b11(E)	396	#9	29'-8"	—
b12(E)	4	#4	29'-8"	—
b13(E)	4	#9	29'-0"	—
b14(E)	4	#5	29'-0"	—
b15(E)	4	#4	29'-0"	—
t10(E)	336	#4	11'-2"	—
w10(E)	160	#5	26'-2"	—
w11(E)	160	#5	21'-6"	—
v100(E)	168	#5	2'-9"	┌
Concrete Superstructure (Approach Slab)				Cu. Yd. 240.4
Concrete Structures				Cu. Yd. 60.0
Reinforcement Bars, Epoxy Coated				Pound 93,750



S.N. 057-0210 (S.B.)
 TOP AND BOTTOM ELEVATIONS
 FOR APPROACH FOOTING

Point	South Approach		North Approach	
	Top	Bottom	Top	Bottom
A	759.56	758.73	759.46	758.63
B	759.14	758.31	759.01	758.18
C	758.56	757.73	758.39	757.56
D	759.48	758.65	759.40	758.57
E	759.13	758.30	759.00	758.17
F	758.58	757.75	758.42	757.59



S.N. 057-0211 (N.B.)
 TOP AND BOTTOM ELEVATIONS
 FOR APPROACH FOOTING

Point	South Approach		North Approach	
	Top	Bottom	Top	Bottom
A	758.90	758.07	758.88	758.05
B	758.46	757.63	758.43	757.60
C	757.92	757.09	757.77	756.94
D	758.88	758.05	758.85	758.02
E	758.47	757.64	758.42	757.59
F	757.92	757.09	757.76	756.93

LEGEND FOR APPROACH
 FOOTING ELEVATIONS

(Sheet 2 of 2)

MODEL: \$MODELNAMES
 FILE NAME: \$FILES

CEC Cummins
 Engineering
 Corporation
 Civil and Structural Engineering

JOB = 2596.1
 FILE NAME = \$FILES\$
 PLOT DATE = \$DATE\$

DESIGNED - AAN
 CHECKED - MDC
 DRAWN - SJS
 CHECKED - MDC

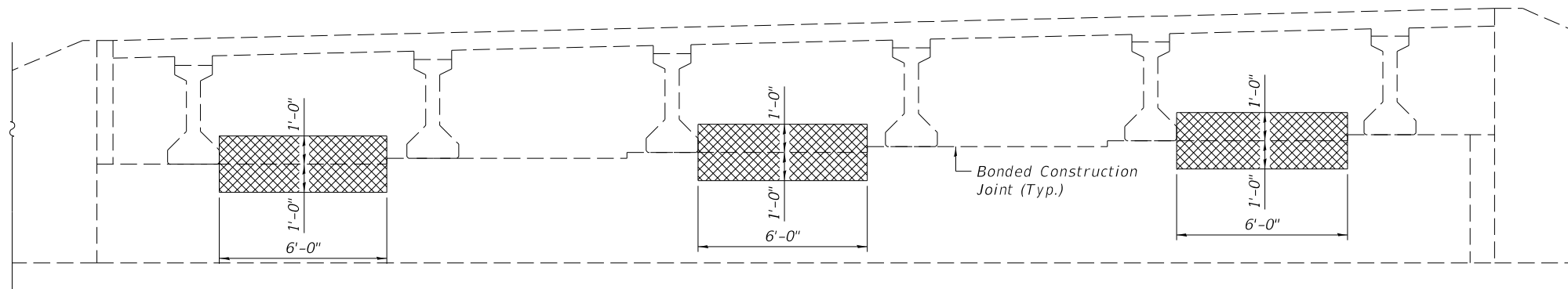
REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MODIFIED BRIDGE APPROACH DETAILS
 STRUCTURE NO. 057-0210 (S.B) & 057-0211 (N.B.)

SHEET 10 OF 13 SHEETS

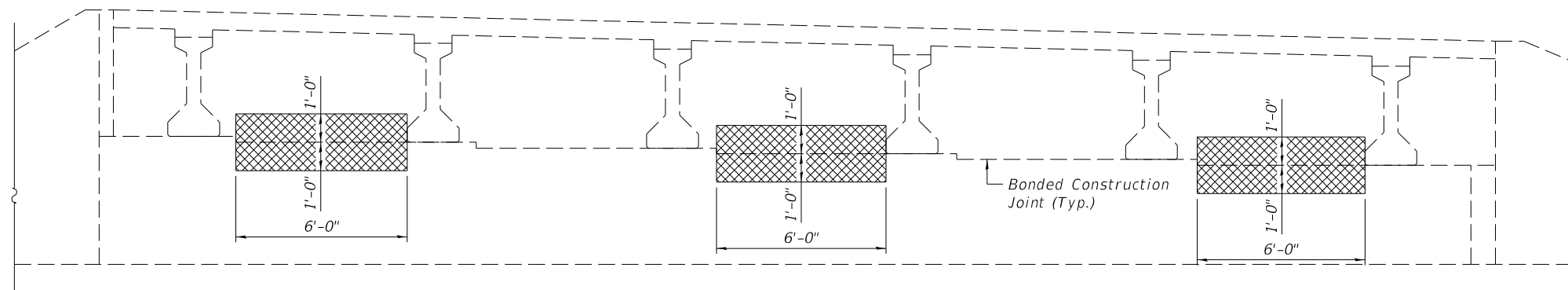
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	57
CONTRACT NO. 70D65				
ILLINOIS		FED. AID PROJECT		



ELEVATION
 South Abutment S.N. 057-0210
 (Looking South)

LEGEND

 Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)



ELEVATION
 North Abutment S.N. 057-0210
 (Looking North)

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	72

Notes:
 Sounded March 15, 2019. No areas are delaminated but minor leaching and efflorescence along the beam seat bonded joint.
 Areas of Structural Repair of Concrete depicted are estimated. Actual repair areas and locations shall be determined by the Engineer and shown on as-built plans.

MODEL: \$MODELNAME\$
 FILE NAME: \$FILEL\$

CEC Cummins
 Engineering
 Corporation
 Civil and Structural Engineering

JOB = 2596.1
 FILE NAME = \$FILEL\$
 PLOT DATE = \$DATE\$

DESIGNED - AAN
 CHECKED - MDC
 DRAWN - SJS
 CHECKED - MDC

REVISED -
 REVISED -
 REVISED -
 REVISED -

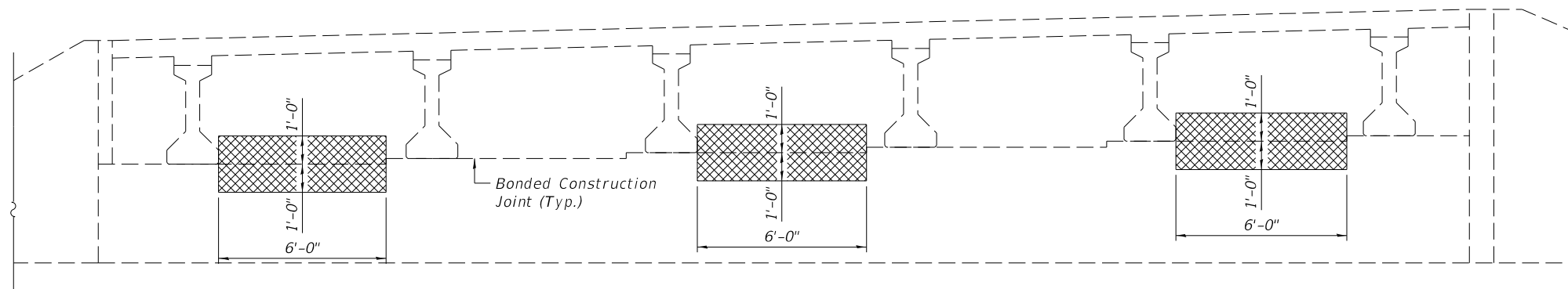
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ABUTMENT REPAIRS
 STRUCTURE NO. 057-0210 (S.B.)

SHEET 11 OF 13 SHEETS


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	58
ILLINOIS			FED. AID PROJECT	

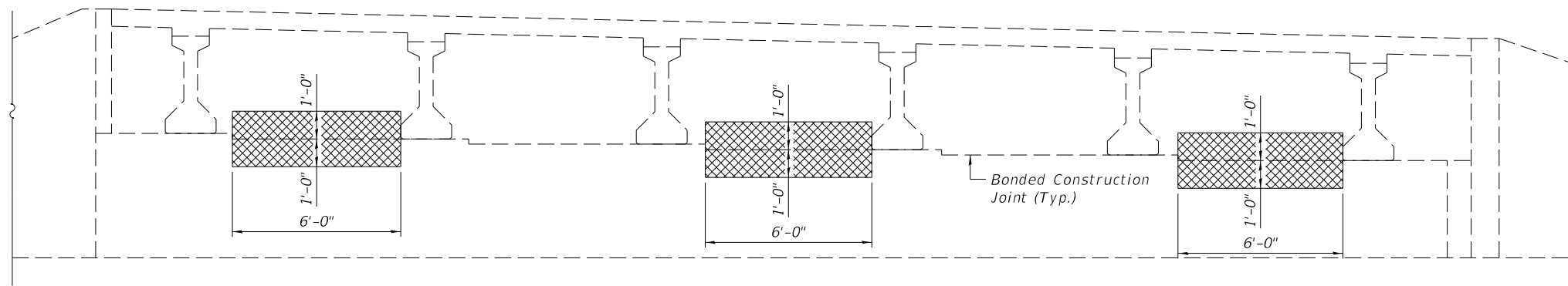
CONTRACT NO. 70D65



ELEVATION
 South Abutment S.N. 057-0211
 (Looking South)

LEGEND

 Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)



ELEVATION
 North Abutment S.N. 057-0211
 (Looking North)

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	72

Notes:
 Sounded March 15, 2019. No areas are delaminated but minor leaching and efflorescence along the beam seat bonded joint.
 Areas of Structural Repair of Concrete depicted are estimated. Actual repair areas and locations shall be determined by the Engineer and shown on as-built plans.

MODEL: \$MODELNAME\$
 FILE NAME: \$FILELS\$

CEC Cummins
 Engineering
 Corporation
 Civil and Structural Engineering

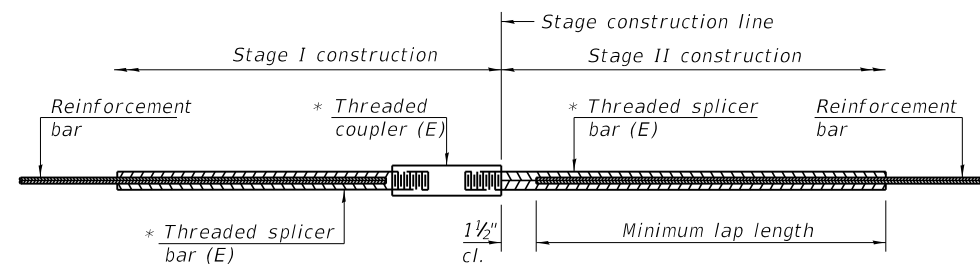
JOB = 2596.1	DESIGNED - AAN	REVISED -
FILE NAME = \$FILELS\$	CHECKED - MDC	REVISED -
PLOT DATE = \$DATE\$	DRAWN - SJS	REVISED -
	CHECKED - MDC	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ABUTMENT REPAIRS
 STRUCTURE NO. 057-0211 (N.B.)

SHEET 12 OF 13 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	59
CONTRACT NO. 70D65			ILLINOIS FED. AID PROJECT	

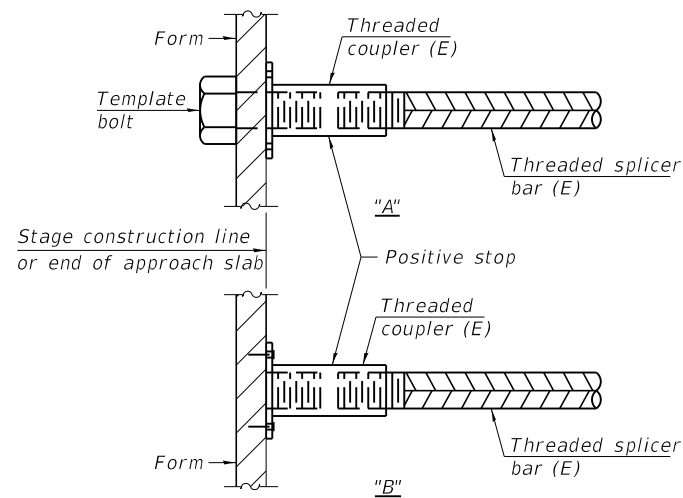


STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

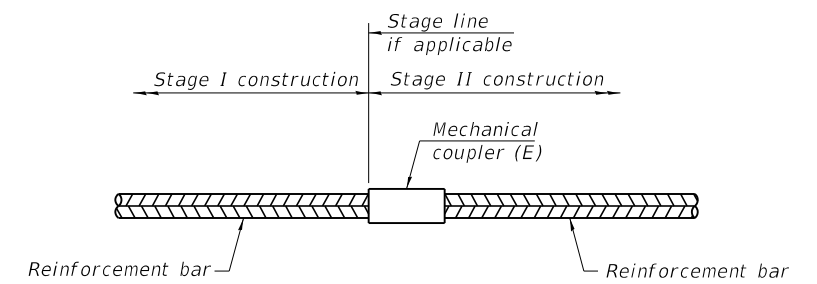
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Appr. Slab - Top	#5	156	3'-4"
Appr. Slab - Bottom	#8	208	4'-9"
Appr. Footing	#5	160	3'-1"



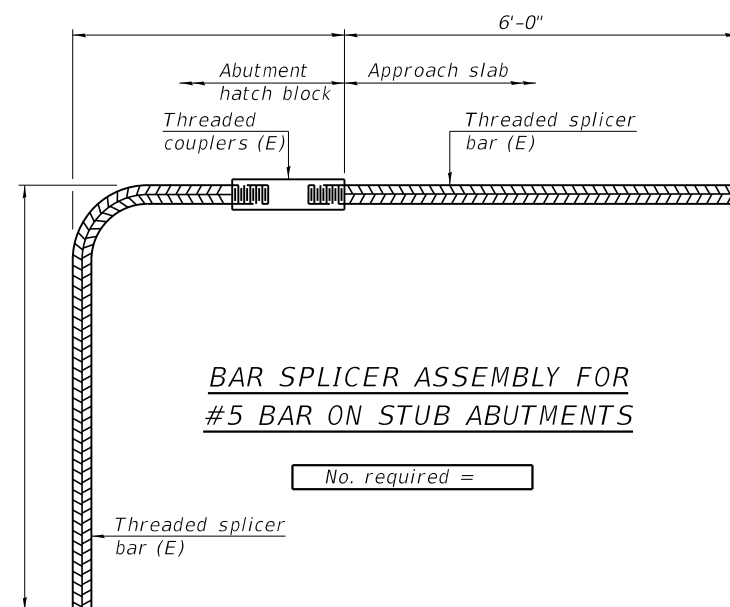
INSTALLATION AND SETTING METHODS

"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.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

MODEL: \$MODELNAME\$
 FILE NAME: \$FILES\$

BSD-1

2-17-2017

CEC Cummins Engineering Corporation
 Civil and Structural Engineering

JOB = 2596.1
 FILE NAME = \$FILES\$
 PLOT DATE = \$DATES\$

DESIGNED - AAN
 CHECKED - MDC
 DRAWN - SJS
 CHECKED - MDC

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

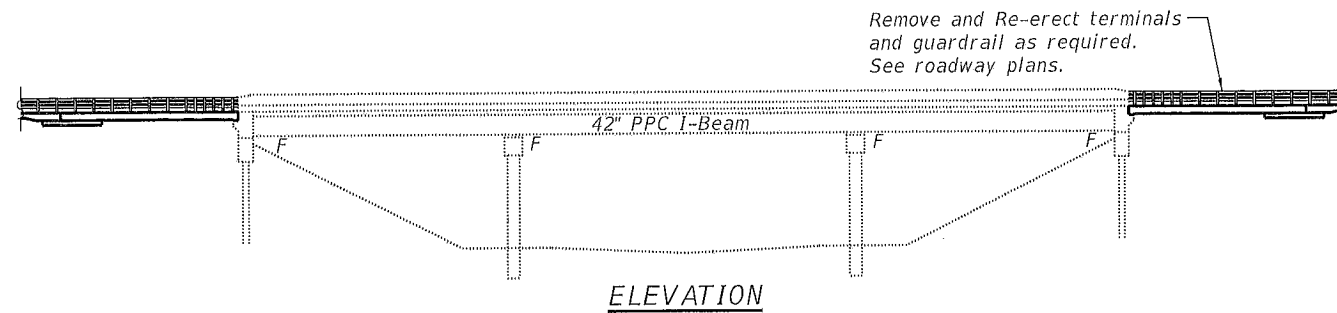
BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 STRUCTURE NO. 057-0210 (S.B) & 057-0211 (N.B.)

SHEET 13 OF 13 SHEETS

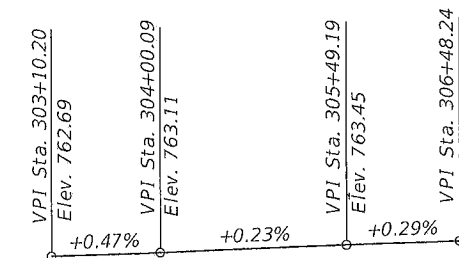
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	60
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

Benchmark: Top of wing wall at the SE corner of SN 057-0208, 8' Rt. Sta. 303+98, Elev. 762.98

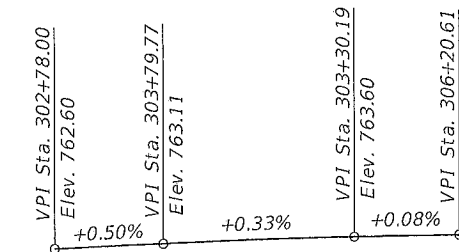
Existing Structures: S.N. 057-0208 and S.N. 057-0209 were originally built in 1989 under Section 57-3B-1 and consist of a three-span PPC I-Beam superstructures on pile bent piers and abutments. The existing structures are 149'-9" bk. to bk. of abutments and 40'-0" fc. to fc. of parapets. The overall bridge width is 43'-2" out to out of deck. New latex concrete overlays and approach slabs will be built under staged construction.



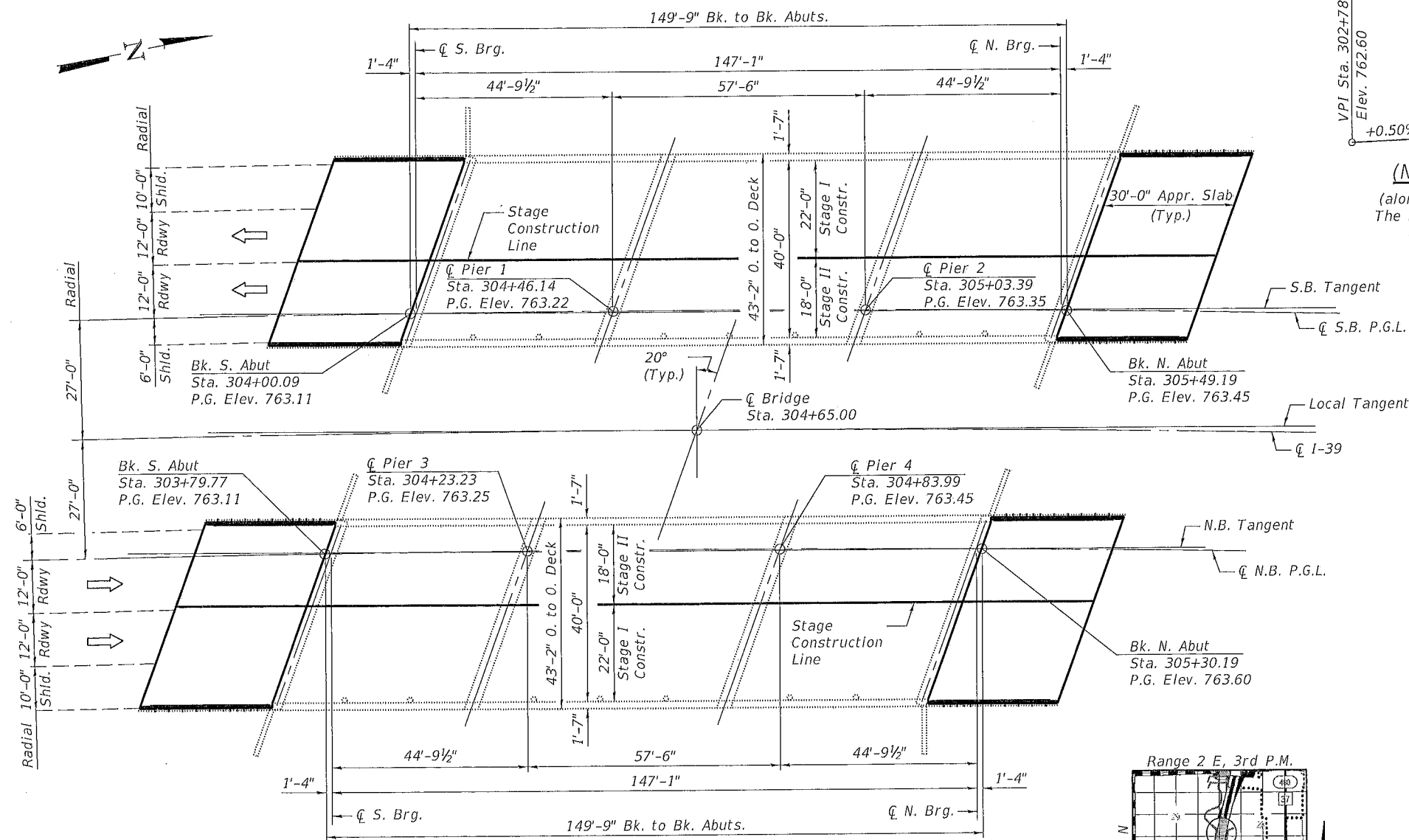
ELEVATION



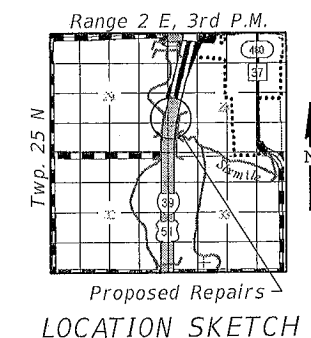
(SB) PROFILE GRADE
(along Median Edge of Pavement)



(NB) PROFILE GRADE
(along Median Edge of Pavement)
The Profile grade shows the final elevations after grinding.



PLAN



Proposed Repairs
LOCATION SKETCH

CURVE DATA

P.I. Sta. = 298+42.98
 $\Delta = 13^\circ 16' 24''$
 $D = 0^\circ 50' 0.0''$
 $R = 6875.49$
 $L = 1592.81'$
 $E = 46.38'$
 $T = 799.99'$
 $S.E. = 0.028 \frac{1}{2}$
 From Sta. 288+72.99
 To Sta. 291+27.99
 Remove S.E. Sta. 305+50.80
 To Sta. 307+36.57

SCOPE OF WORK

1. Perform bridge deck scarification on bridge deck.
2. Perform full-depth patching.
3. Perform structural repair of concrete on face of abutments.
4. Repair compression blocks of PPC I-Beam at piers.
5. Place latex concrete overlay.
6. Construct approach slabs.
7. Diamond grind bridge deck and approach slabs.

GENERAL NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
 Reinforcement bars designated (E) shall be epoxy coated.
 Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
 Up to 1/4 inch may be grounded off the bridge deck and bridge approach slabs.
 Fibers shall be added to the Bridge Deck Latex Concrete Overlay. See Special Provisions.

DESIGN STRESSES

FIELD UNITS (New Construction)
 $f'_c = 4,000$ psi (Superstructure)
 $f_y = 60,000$ psi (Reinforcement)

FIELD UNITS (Existing Construction)
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi

TOTAL BILL OF MATERIAL

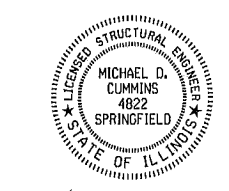
ITEM	UNIT	TOTAL
Concrete Structures	Cu. Yd.	55.2
Protective Coat	Sq. Yd.	1902
Concrete Superstructure (Approach Slab)	Cu. Yd.	240.4
Reinforcement Bars, Epoxy Coated	Pound	93,320
Bar Splicers	Each	560
Pumpable Concrete Mix	Cu. Ft.	6.0
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	1118
Bridge Deck Latex Concrete Overlay, 2 3/4 Inch	Sq. Yd.	1330
Bridge Deck Scarification 3/4"	Sq. Yd.	1330
Structural Repair of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq. Ft.	144
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	44
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	22
Diamond Grinding (Bridge Section)	Sq. Yd.	1692

GENERAL PLAN AND ELEVATION

**F.A.I. ROUTE 39 (I-39)
 OVER SIX MILE CREEK
 SECTION (57-3B-1)BDS**

**McLEAN COUNTY
 STA 304+65.00**

STRUCTURE NO. 057-0208 & 0209



Michael D. Cummins 1/19/20
 (Expires 11/30/20)

MODEL: Default
 FILE NAME: 057-0208_0209-70D65-00-GPE.dgn

CEC Cummins
 Engineering Corporation
 Civil and Structural Engineering

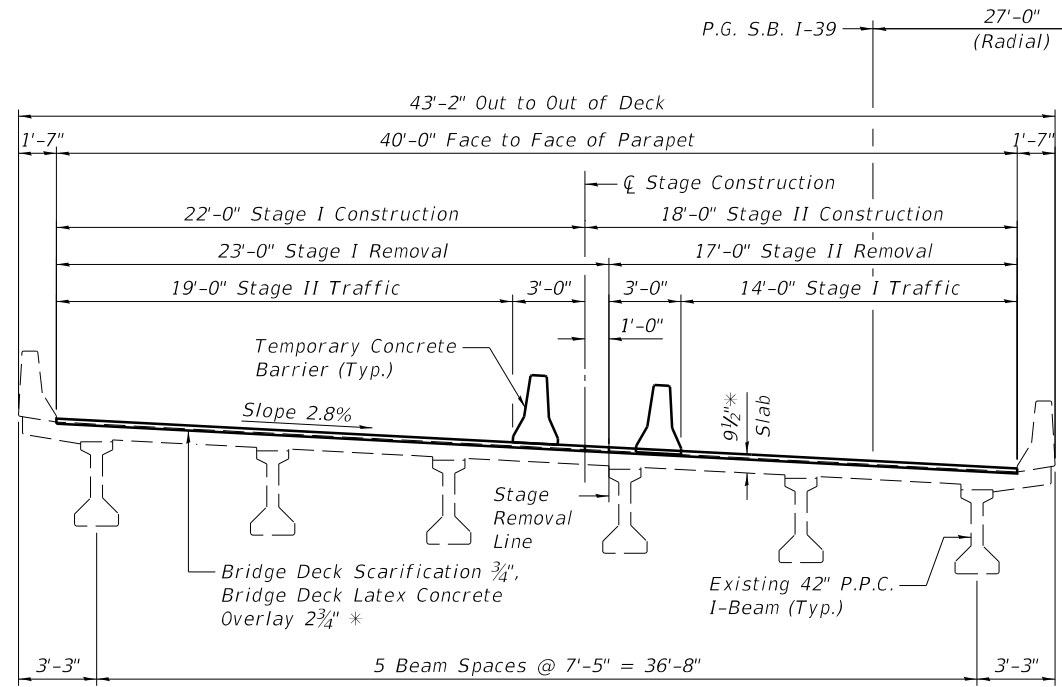
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PLOT DATE = 1/30/2020	DRAWN - SJS	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

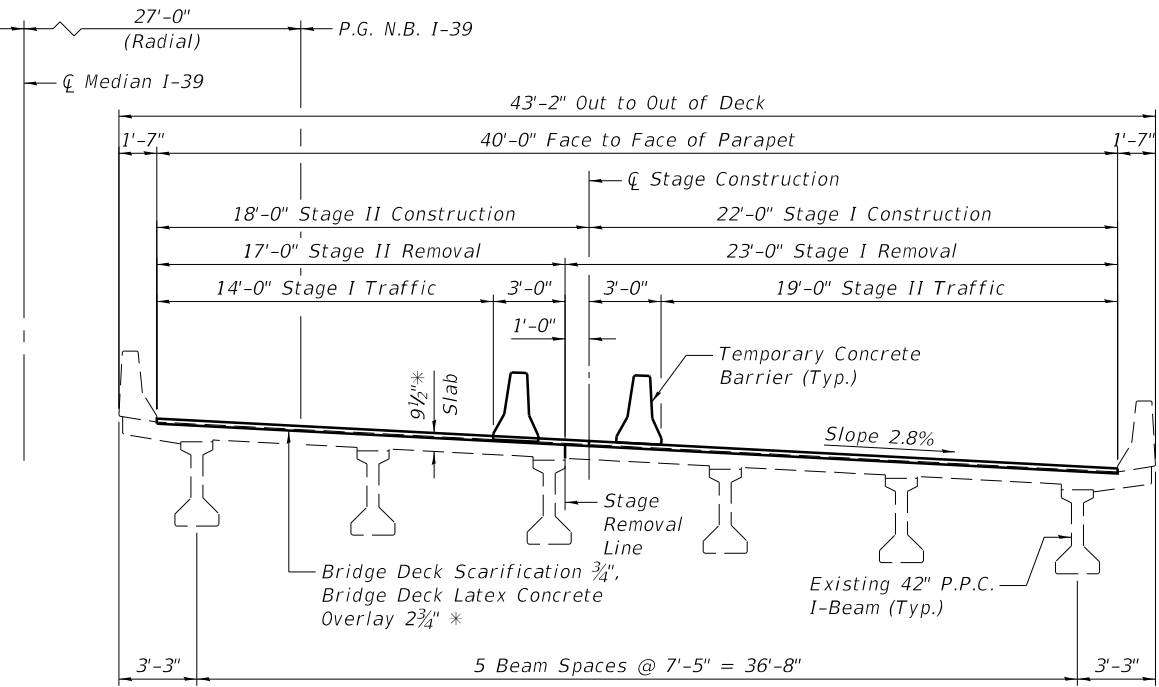
**GENERAL PLAN AND ELEVATION
 STRUCTURE NO. 057-0208 (S.B.) & 057-0209 (N.B.)**

SHEET 1 OF 14 SHEETS

F.A.I. RTE. 39	SECTION (57-3B-1)BDS	COUNTY McLEAN	TOTAL SHEETS 97	SHEET NO. 61
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70D65	



STAGE I & II CONSTRUCTION
 (SN 057-0208 Southbound looking North)



STAGE I & II CONSTRUCTION
 (SN 057-0209 Northbound looking North)

* Prior to Grinding

MODEL: \$MODELNAME\$
 FILE NAME: \$FILEL\$



JOB = 2596.1	DESIGNED - AAN	REVISED -
FILE NAME = \$FILEL\$	CHECKED - MDC	REVISED -
PLOT DATE = \$DATE\$	DRAWN - SJS	REVISED -
	CHECKED - MDC	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAIL
 STRUCTURE NO. 057-0208 (S.B.) & 057-0209 (N.B.)

SHEET 2 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	62
CONTRACT NO. 70D65			ILLINOIS FED. AID PROJECT	

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End S. Appr.	303+82.96	-34.00	763.76	763.78
A1	303+92.92	-34.00	763.85	763.87
A2	304+02.86	-34.00	763.95	763.97
N. End S. Appr.	304+12.77	-34.00	764.05	764.07

WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End S. Appr.	303+79.21	-24.00	763.65	763.67
A1	303+89.18	-24.00	763.70	763.72
A2	303+99.15	-24.00	763.75	763.77
N. End S. Appr.	304+09.11	-24.00	763.80	763.82

STAGE CONSTRUCTION LINE

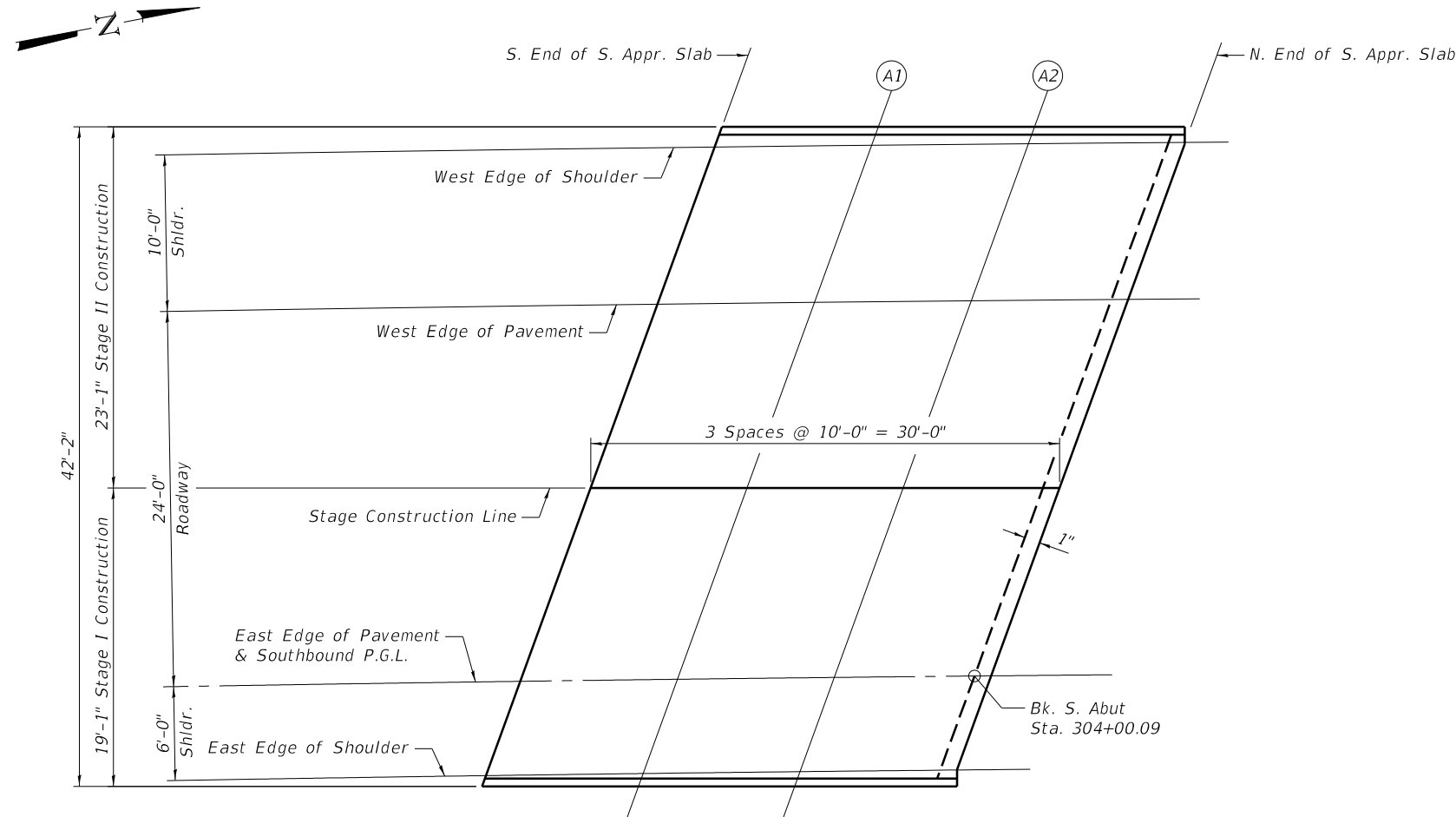
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End S. Appr.	303+74.82	-12.30	763.31	763.33
A1	303+84.76	-12.19	763.35	763.37
A2	303+94.70	-12.07	763.40	763.42
N. End S. Appr.	304+04.64	-11.98	763.44	763.46

EAST EDGE OF PAVEMENT & SOUTHBOUND P.G.L.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End S. Appr.	303+70.17	0.00	762.97	762.99
A1	303+80.18	0.00	763.02	763.04
A2	303+90.18	0.00	763.06	763.08
N. End S. Appr.	304+00.18	0.00	763.11	763.13

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End S. Appr.	303+67.90	6.00	762.81	762.83
A1	303+77.92	6.00	762.85	762.87
A2	303+87.93	6.00	762.89	762.91
N. End S. Appr.	303+97.96	6.00	762.93	762.95



PLAN
(South Approach S.N. 057-0208)

MODEL: \$MODEL\$
FILE NAME: \$FILES\$

E-AS1

2-17-2017

CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

JOB = 2596.1	DESIGNED - AAN	REVISED -
FILE NAME = \$FILES\$	CHECKED - MDC	REVISED -
PLOT DATE = \$DATE\$	DRAWN - SJS	REVISED -
	CHECKED - MDC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SOUTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 057-0208 (S.B.)

SHEET 3 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	63
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End N. Appr.	305+60.90	-34.00	764.51	764.53
A3	305+70.76	-34.00	764.44	764.46
A4	305+80.61	-34.00	764.38	764.40
N. End N. Appr.	305+90.46	-34.00	764.31	764.33

WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End N. Appr.	305+57.44	-24.00	764.23	764.25
A3	305+67.31	-24.00	764.22	764.24
A4	305+77.19	-24.00	764.20	764.22
N. End N. Appr.	305+87.05	-24.00	764.18	764.20

STAGE CONSTRUCTION LINE

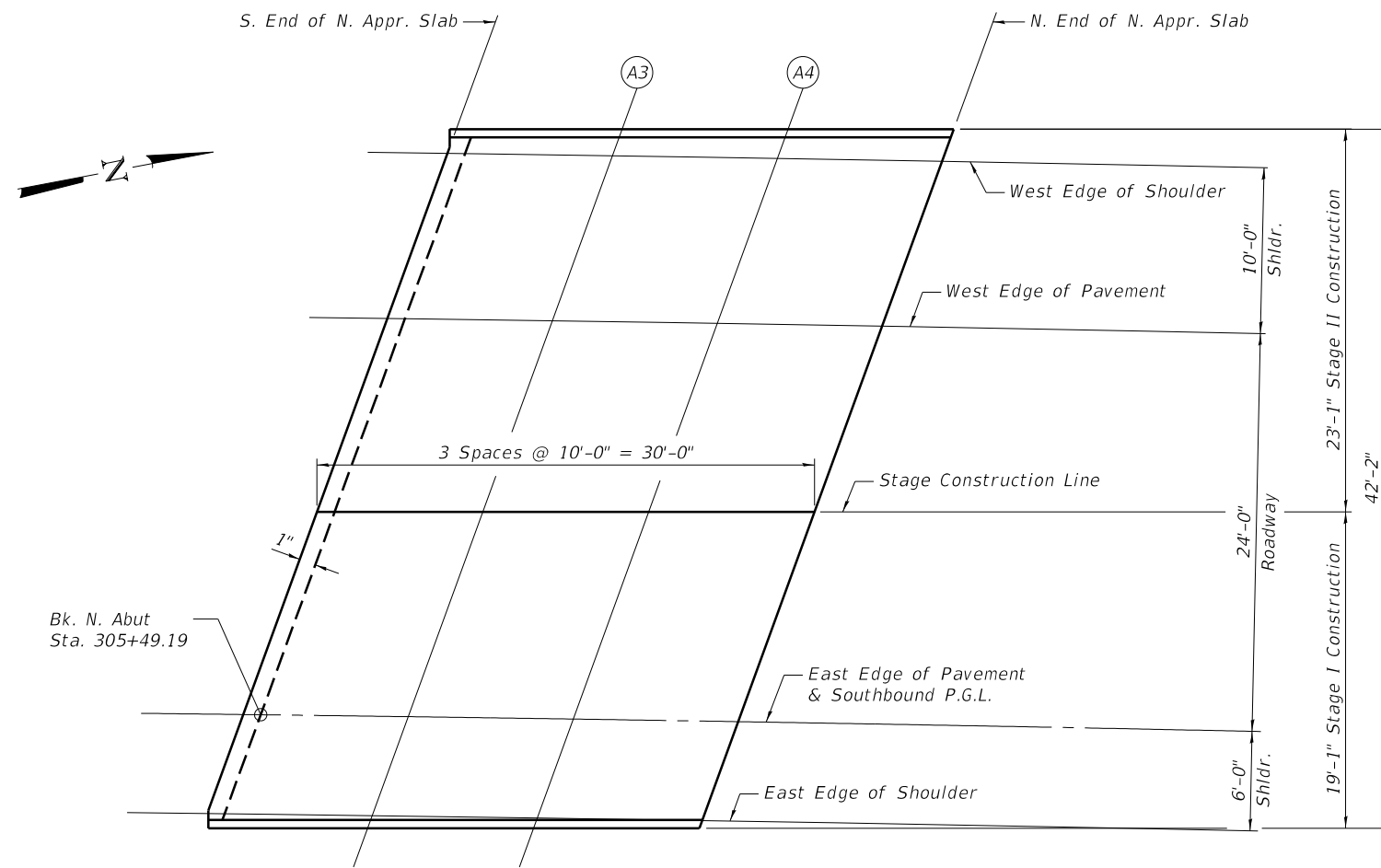
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End N. Appr.	305+53.37	-39.28	763.91	763.93
A3	305+63.32	-39.42	763.92	763.94
A4	305+73.26	-39.57	763.92	763.94
N. End N. Appr.	305+83.20	-39.73	763.93	763.95

EAST EDGE OF PAVEMENT & SOUTHBOUND P.G.L.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End N. Appr.	305+49.10	0.00	763.45	763.47
A3	305+59.01	0.00	763.48	763.50
A4	305+68.92	0.00	763.51	763.53
N. End N. Appr.	305+78.83	0.00	763.54	763.56

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End N. Appr.	305+47.07	6.00	763.45	763.47
A3	305+56.93	6.00	763.47	763.49
A4	305+66.85	6.00	763.48	763.50
N. End N. Appr.	305+76.76	6.00	763.49	763.51



PLAN
(North Approach S.N. 057-0208)

MODEL: \$MODELNAMES
FILE NAME: \$FILES



JOB = 2596.1	DESIGNED - AAN	REVISED -
FILE NAME = \$FILES	CHECKED - MDC	REVISED -
PLOT DATE = \$DATE\$	DRAWN - SJS	REVISED -
	CHECKED - MDC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF NORTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 057-0208 (S.B.)

SHEET 4 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	64
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End S. Appr.	303+51.88	-6.00	762.98	763.00
A1	303+62.97	-6.00	763.07	763.09
A2	303+72.06	-6.00	763.15	763.17
N. End S. Appr.	303+82.13	-6.00	763.23	763.25

WEST EDGE OF PAVEMENT & NORTHBOUND P.G.L.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End S. Appr.	303+49.58	0.00	762.93	762.95
A1	303+59.68	0.00	762.99	763.01
A2	303+69.77	0.00	763.05	763.07
N. End S. Appr.	303+79.86	0.00	763.11	763.13

STAGE CONSTRUCTION LINE

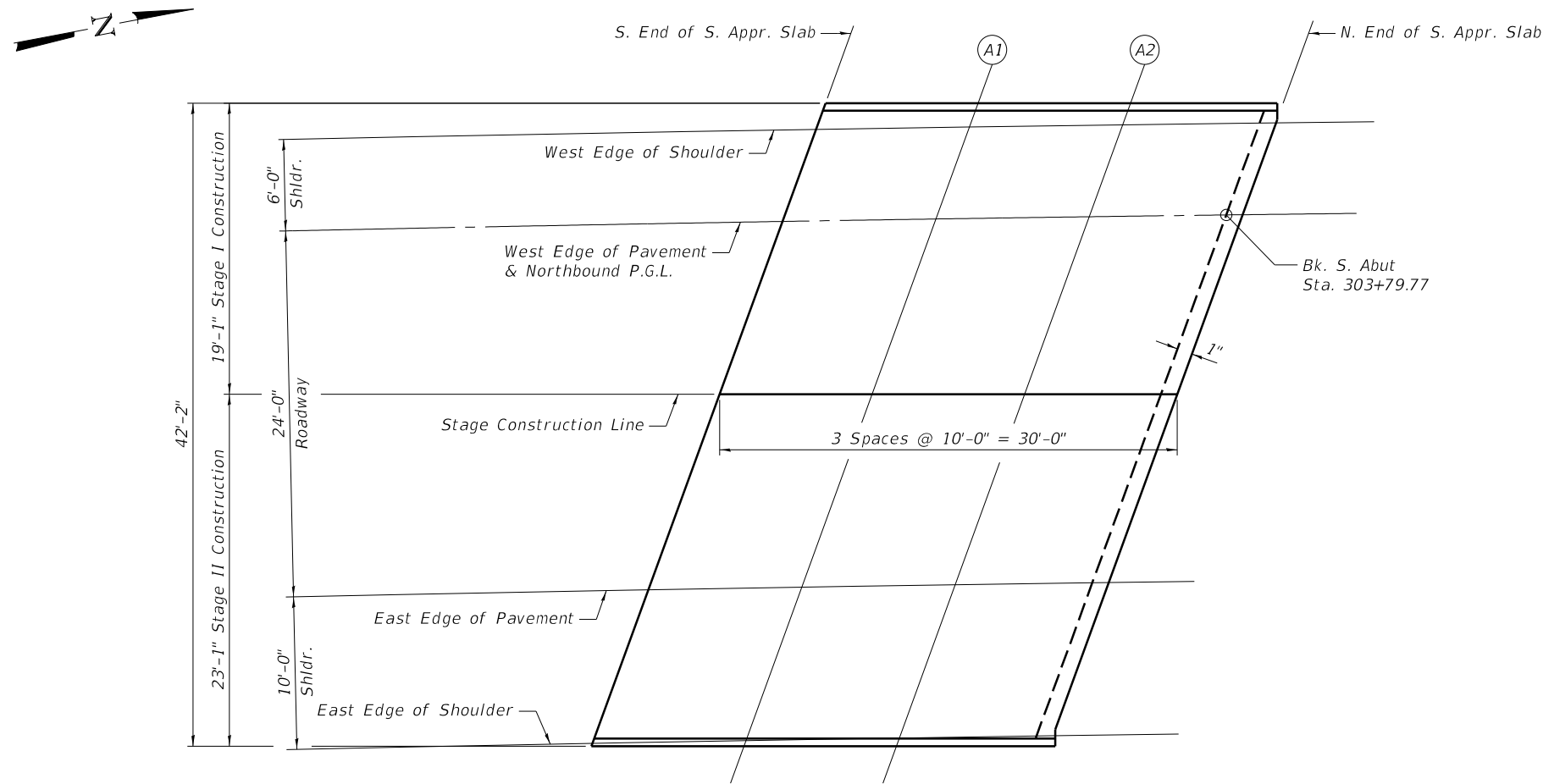
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End S. Appr.	303+45.24	11.25	762.59	762.61
A1	303+55.30	11.42	762.66	762.68
A2	303+65.35	11.57	762.72	762.74
N. End S. Appr.	303+75.41	11.71	762.79	762.81

EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End S. Appr.	303+40.31	24.00	762.24	762.26
A1	303+50.45	24.00	762.30	762.32
A2	303+60.59	24.00	762.37	762.39
N. End S. Appr.	303+70.72	24.00	762.43	762.45

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End S. Appr.	303+36.43	34.00	761.92	761.94
A1	303+46.59	34.00	761.98	762.00
A2	303+56.74	34.00	762.03	762.05
N. End S. Appr.	303+67.04	34.00	762.09	762.11



PLAN
(South Approach S.N. 057-0209)

MODEL: \$MODELNAMES
FILE NAME: \$FILES



JOB = 2596.1	DESIGNED - AAN	REVISED -
FILE NAME = \$FILES	CHECKED - MDC	REVISED -
PLOT DATE = \$DATE\$	DRAWN - SJS	REVISED -
	CHECKED - MDC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SOUTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 057-0209 (N.B.)**

SHEET 5 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	65
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End N. Appr.	305+32.23	-6.00	763.74	763.76
A3	305+42.22	-6.00	763.71	763.73
A4	305+52.21	-6.00	763.68	763.70
N. End N. Appr.	305+62.19	-6.00	763.65	763.67

WEST EDGE OF PAVEMENT & NORTHBOUND P.G.L.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End N. Appr.	305+30.10	0.00	763.60	763.62
A3	305+40.11	0.00	763.59	763.61
A4	305+50.11	0.00	763.58	763.60
N. End N. Appr.	305+60.10	0.00	763.57	763.59

STAGE CONSTRUCTION LINE

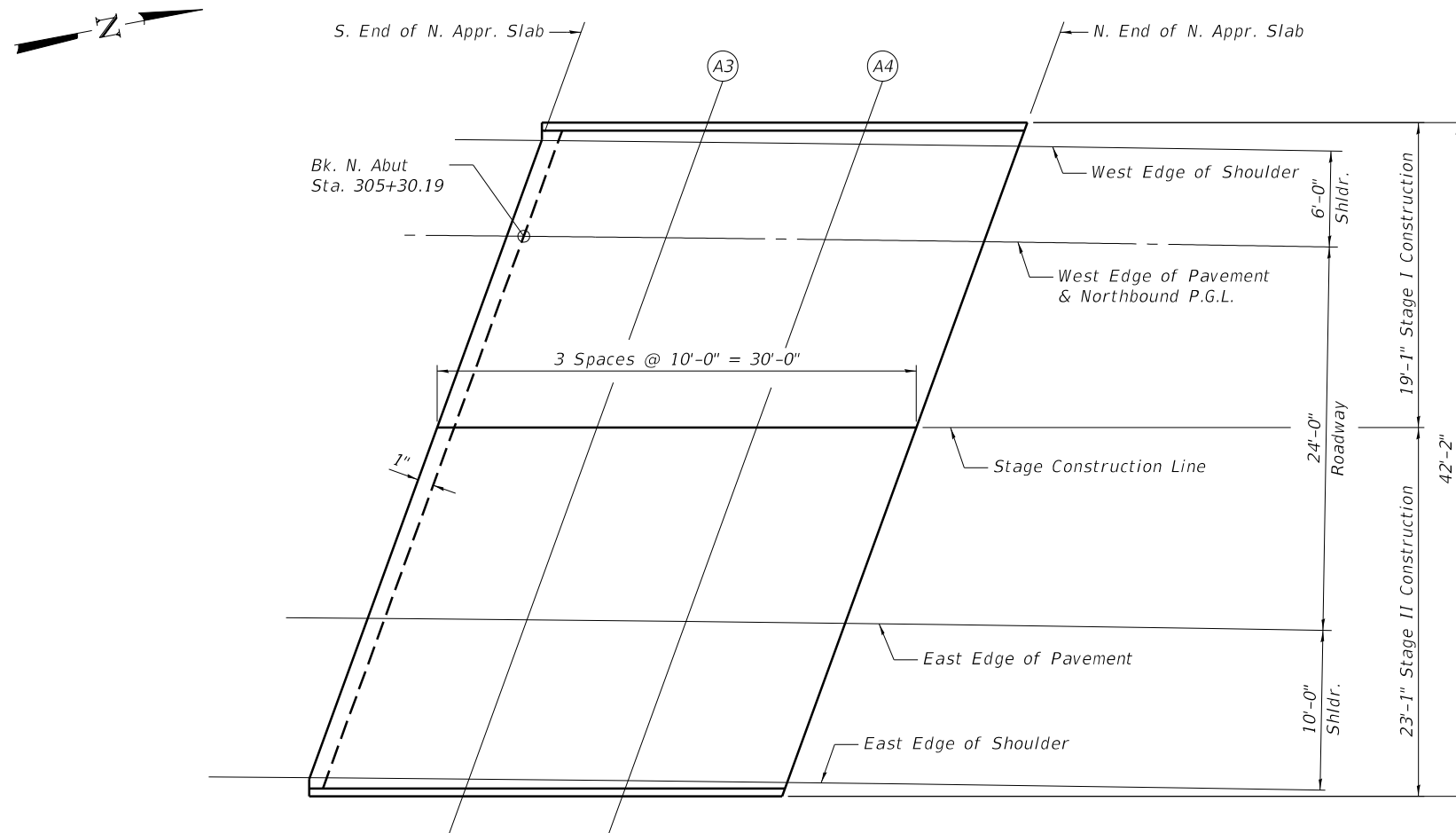
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End N. Appr.	305+25.83	12.02	763.17	763.19
A3	305+35.89	11.93	763.18	763.20
A4	305+45.94	11.82	763.19	763.21
N. End N. Appr.	305+56.00	11.69	763.20	763.22

EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End N. Appr.	305+21.56	24.00	762.80	762.82
A3	305+31.60	24.00	762.82	762.84
A4	305+41.64	24.00	762.84	762.86
N. End N. Appr.	305+51.67	24.00	762.86	762.88

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End N. Appr.	305+17.98	34.00	762.53	762.55
A3	305+28.04	34.00	762.55	762.57
A4	305+38.09	34.00	762.57	762.59
N. End N. Appr.	305+48.14	34.00	762.59	762.61



PLAN
(North Approach S.N. 057-0209)

MODEL: \$MODELNAMES
FILE NAME: \$FILES

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Civil and Structural Engineering

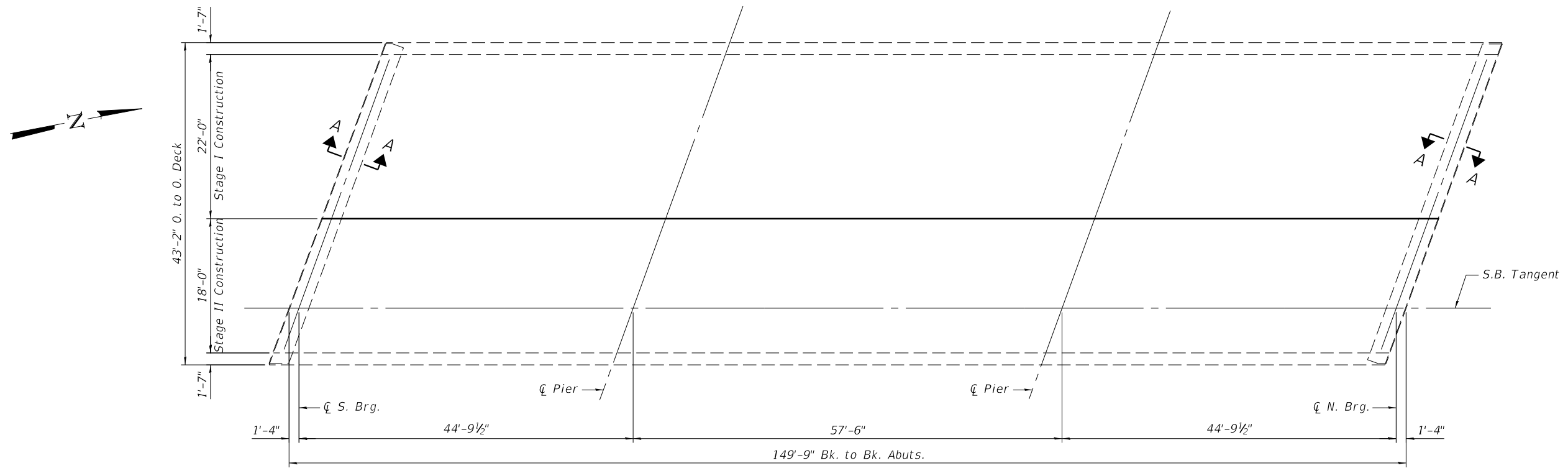
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PLOT DATE = \$DATE\$	DRAWN - SJS	REVISED -
	CHECKED - MDC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF NORTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 057-0209 (N.B.)

SHEET 6 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	66
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

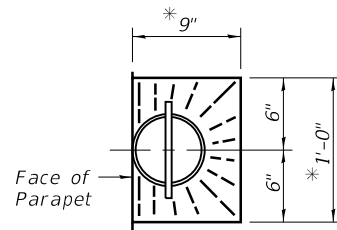


BRIDGE DECK PATCHING PLAN

(SN 057-0208 - SB)

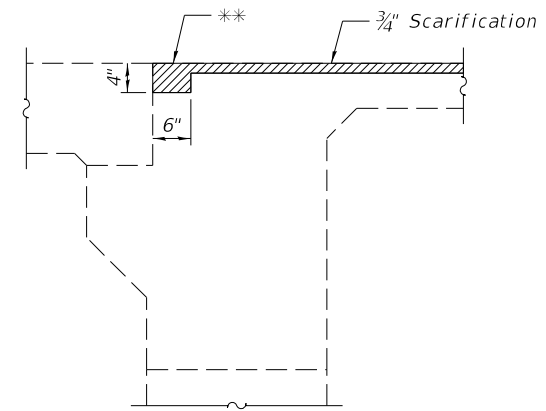
PATCH NO.	SIZE	DECK SLAB REPAIR FULL DEPTH (TYPE I)	DECK SLAB REPAIR FULL DEPTH (TYPE II)		
		SQ. YD.	SQ. YD.		
TOTAL					

PATCH NO.	SIZE	DECK SLAB REPAIR FULL DEPTH (TYPE I)	DECK SLAB REPAIR FULL DEPTH (TYPE II)		
		SQ. YD.	SQ. YD.		
TOTAL					



PLAN AT FLOOR DRAINS

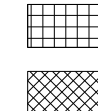
* Slope to drain



SECTION A-A

** Areas along end of bridge deck shall be scarified to a minimum depth of 4 inches and a minimum width of 6 inches. Cost included with Bridge Deck Scarification ³/₄"

LEGEND



- Deck Slab Repair Full Depth (Type I)
- Deck Slab Repair Full Depth (Type II)

BILL OF MATERIAL

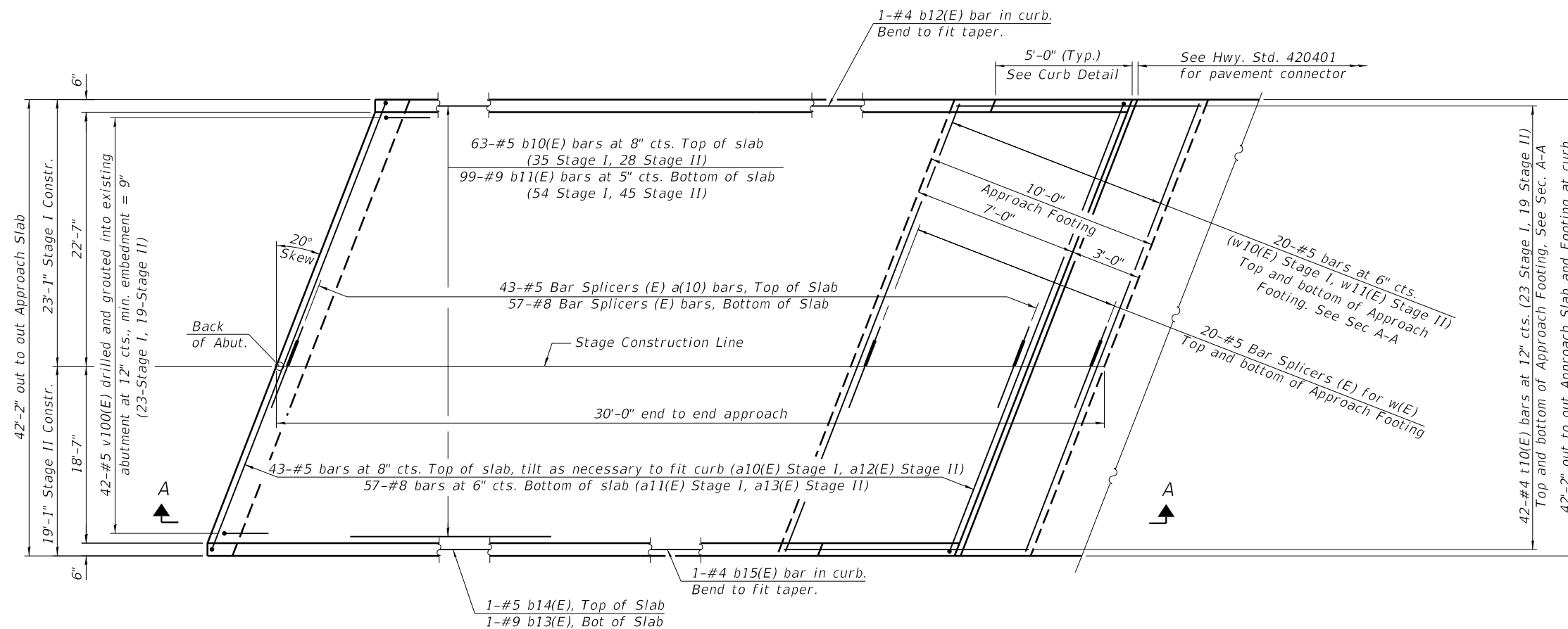
Item	Unit	Total
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	22
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	11

Deck Slab Repair (Full Depth) quantities have been estimated as 5% of the deck. The Engineer shall show actual locations of deck repairs on as-built plans.

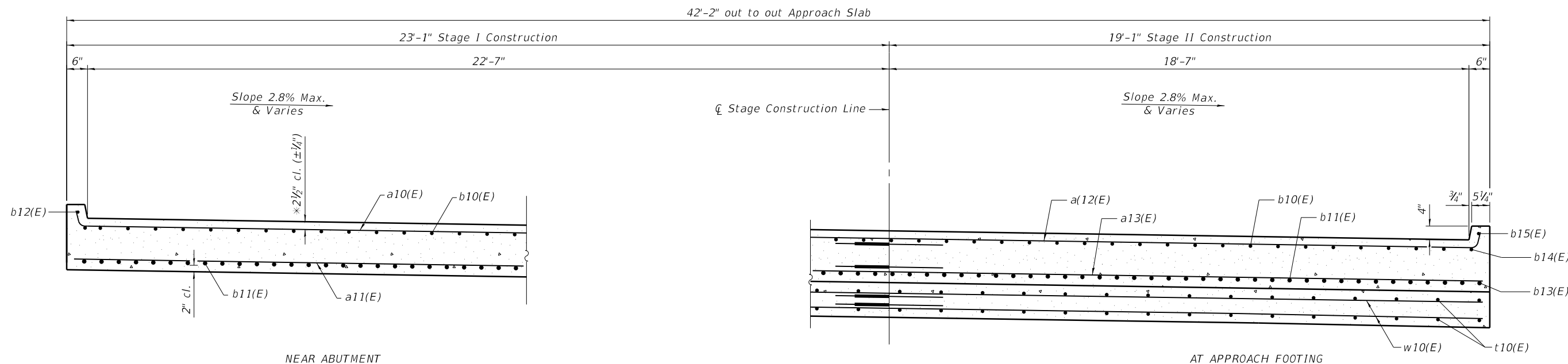
The cost of removal of raised reflective pavement markers on the existing bridge surface shall be included in the cost of Bridge Deck Scarification.

MODEL: Default
FILE NAME: 057-0208_0209-70D65-00-DeckRepair.dgn

North Approach
S.N. 057-0208 S.B.



PLAN
(North Approach S.N. 057-0208 (S.B.) shown, other approaches similar)



CROSS SECTION
(Looking North)

* Prior to Grinding

(Sheet 1 of 2)

MODEL: \$MODEL\$
FILE NAME: \$FILES\$

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Corporation
Civil and Structural Engineering

JOB = 2596.1	DESIGNED - AAN	REVISED -
FILE NAME = \$FILES\$	CHECKED - MDC	REVISED -
PLOT DATE = \$DATE\$	DRAWN - SJS	REVISED -
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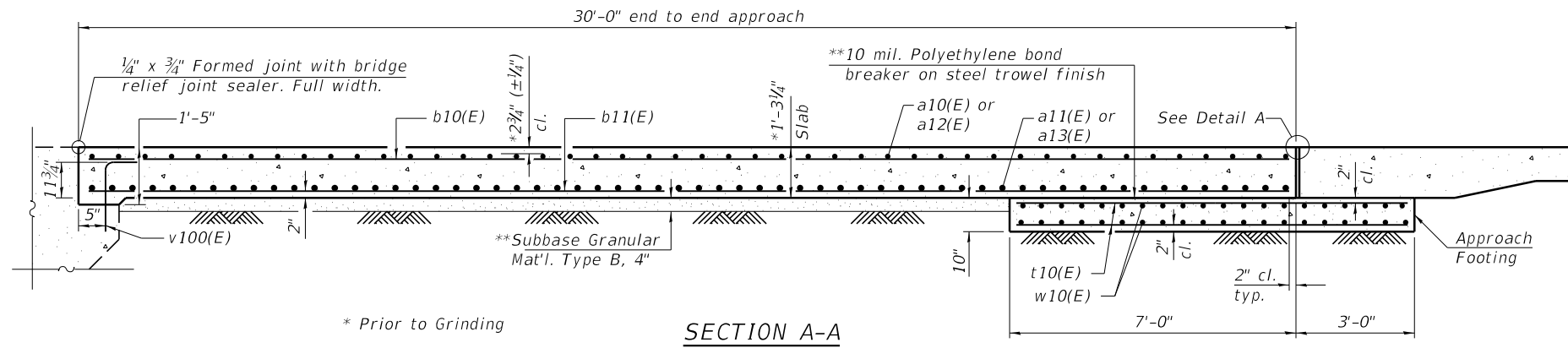
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MODIFIED BRIDGE APPROACH DETAILS
STRUCTURE NO. 057-0208 (S.B.) & 057-0209 (N.B.)

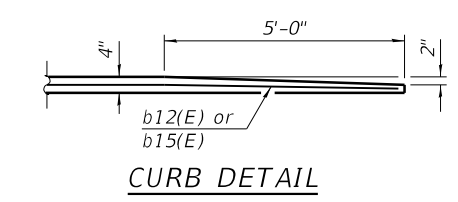
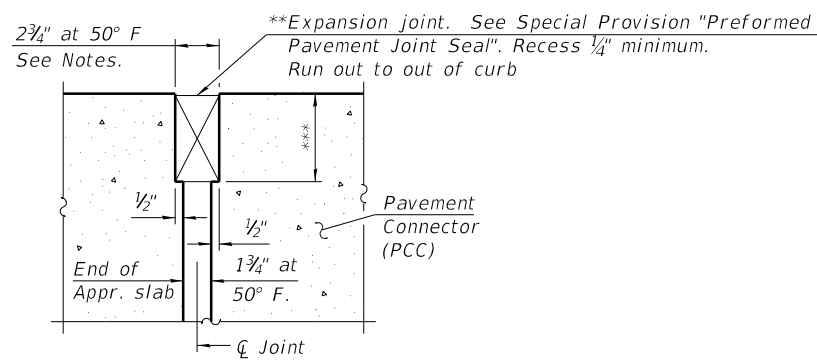
SHEET 9 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	69
CONTRACT NO. 70D65				

ILLINOIS FED. AID PROJECT

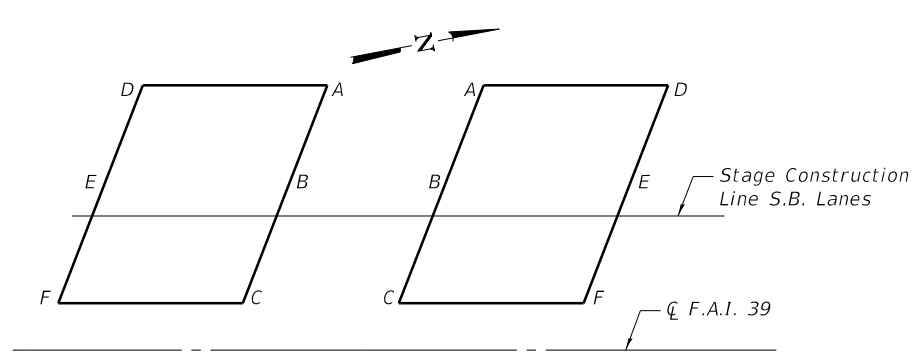


Notes:
 The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.
 Approach slab shall be paid for as Concrete Superstructure (Approach Slab). 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.
 All v100(E) bars shall be epoxy grouted in accordance with Section 584 of the Standard Specifications. Minimum embedment = 9". Locate bars to miss existing reinforcement.



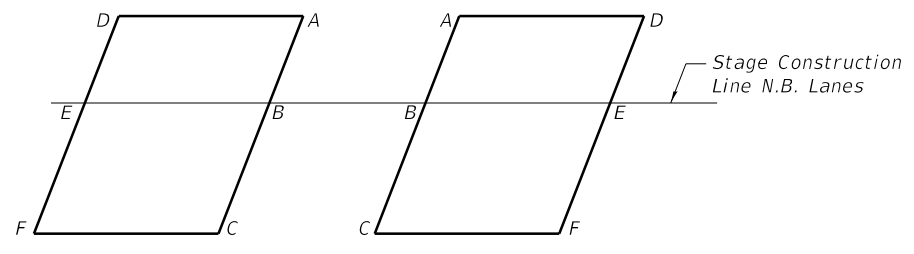
DETAIL A
 (@ Rt. L's)

** Cost included with Concrete Superstructure (Approach Slab).
 *** Per manufacturer recommendations



S.N. 057-0208 (S.B.)
 TOP AND BOTTOM ELEVATIONS
 FOR APPROACH FOOTING

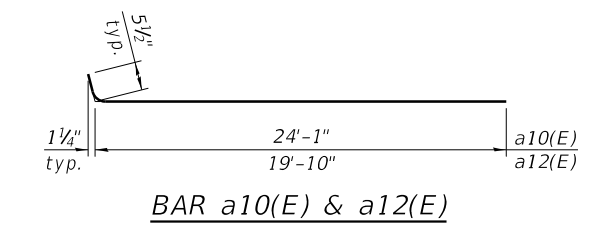
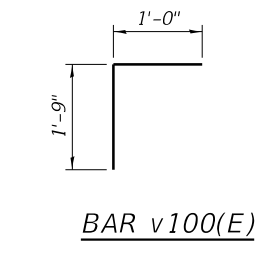
Point	South Approach		North Approach	
	Top	Bottom	Top	Bottom
A	762.58	761.75	763.11	762.28
B	762.09	761.26	762.67	761.84
C	761.59	760.76	762.23	761.40
D	762.48	761.65	763.04	762.21
E	762.05	761.22	762.68	761.85
F	761.54	760.71	762.24	761.41



S.N. 057-0209 (N.B.)
 TOP AND BOTTOM ELEVATIONS
 FOR APPROACH FOOTING

Point	South Approach		North Approach	
	Top	Bottom	Top	Bottom
A	761.80	760.97	762.42	761.59
B	761.39	760.56	761.94	761.11
C	760.71	759.88	761.32	760.49
D	761.71	760.88	762.39	761.56
E	761.32	760.49	761.96	761.13
F	760.65	759.82	761.34	760.51

LEGEND FOR APPROACH
 FOOTING ELEVATIONS



FOUR APPROACHES
 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	172	#5	24'-7"	┌
a11(E)	228	#8	24'-1"	┌
a12(E)	172	#5	20'-4"	┌
a13(E)	228	#8	19'-10"	┌
b10(E)	252	#5	29'-8"	—
b11(E)	396	#9	29'-8"	—
b12(E)	4	#4	29'-8"	—
b13(E)	4	#9	29'-0"	—
b14(E)	4	#5	29'-0"	—
b15(E)	4	#4	29'-0"	—
t10(E)	336	#4	10'-3"	—
w10(E)	160	#5	24'-1"	—
w11(E)	160	#5	19'-10"	—
v100(E)	168	#5	2'-9"	┌
Concrete Superstructure (Approach Slab)			Cu. Yd.	240.4
Concrete Structures			Cu. Yd.	55.2
Reinforcement Bars, Epoxy Coated			Pound	93,320

(Sheet 2 of 2)

MODEL: \$MODELNAMES
 FILE NAME: \$FILES



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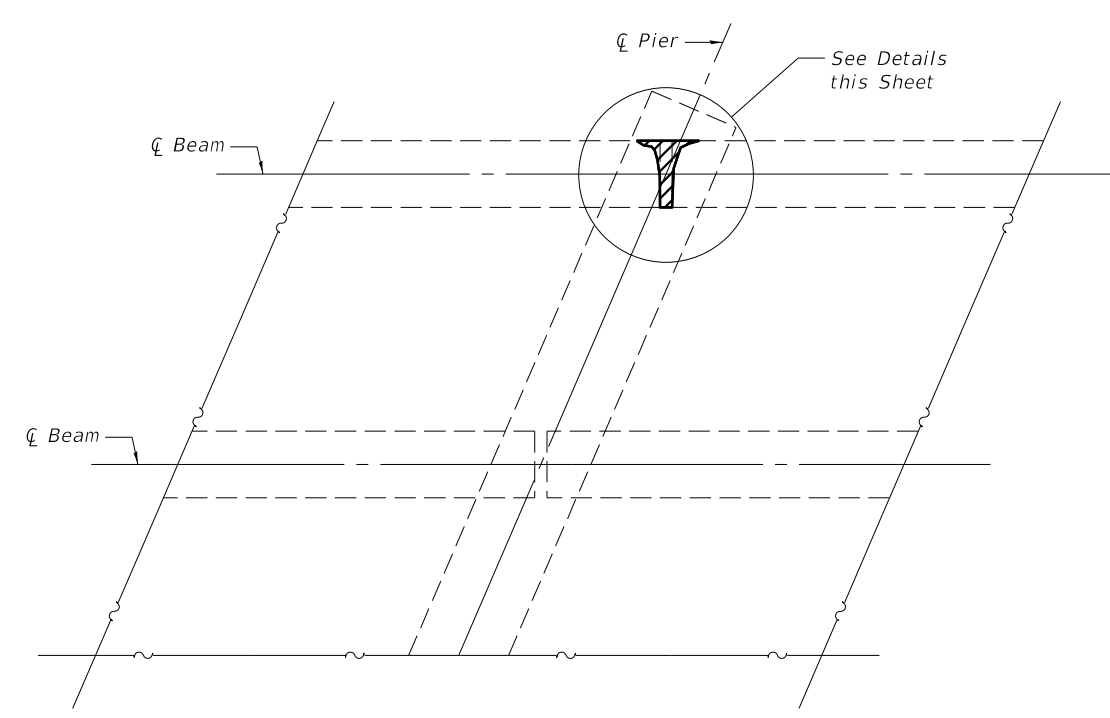
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MODIFIED BRIDGE APPROACH DETAILS
 STRUCTURE NO. 057-0208 (S.B.) & 057-0209 (N.B.)

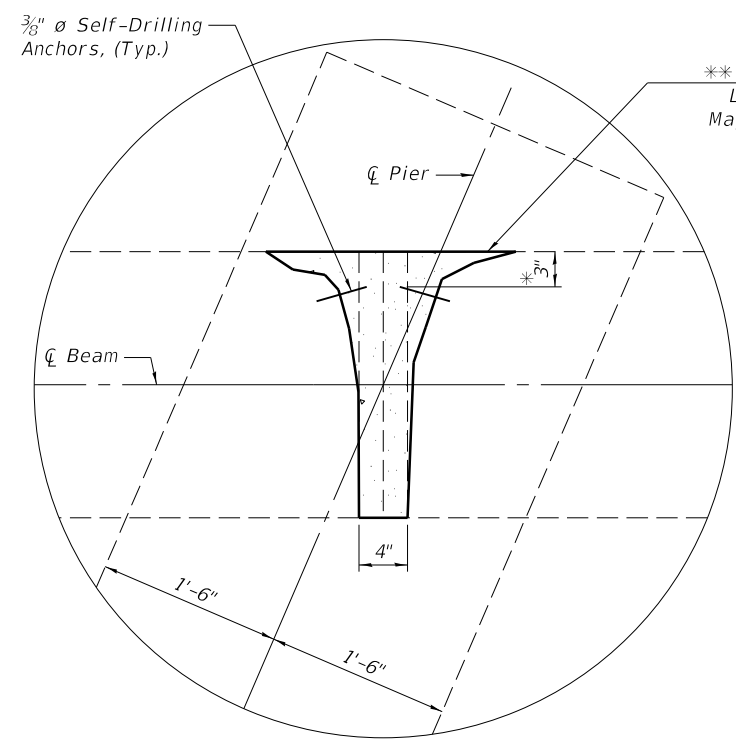
SHEET 10 OF 14 SHEETS

F.A.I. RTE. 39	SECTION (57-3B-1)BDS	COUNTY McLEAN	TOTAL SHEETS 97	SHEET NO. 70
ILLINOIS			FED. AID PROJECT	

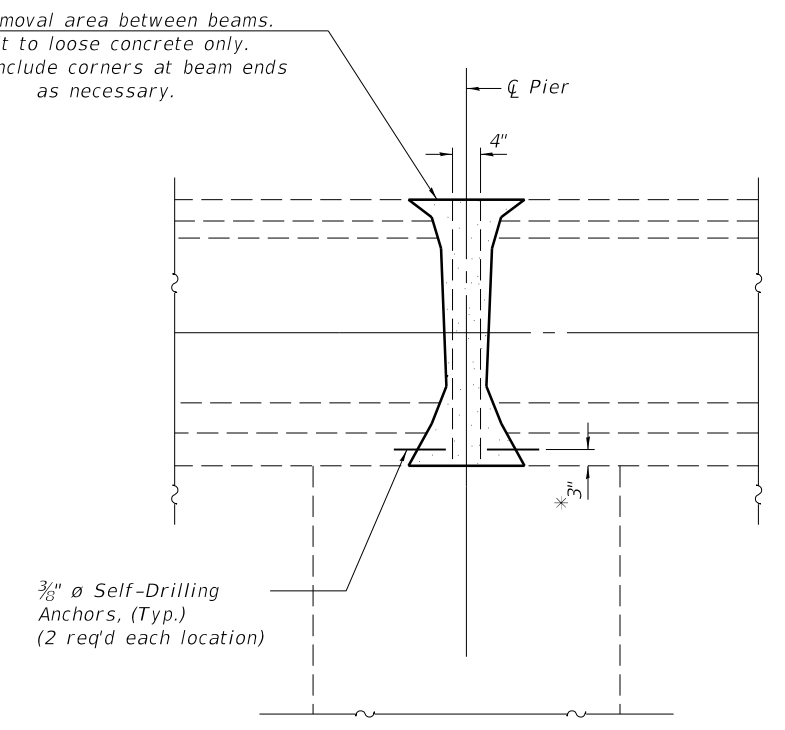
** Cost of concrete removal included in cost of Pumpable Concrete Mix.
 * Adjust location as necessary to avoid prestressing strands



PLAN AT PIERS
 (4 locations per structure)



PLAN
 Compression Block Repair



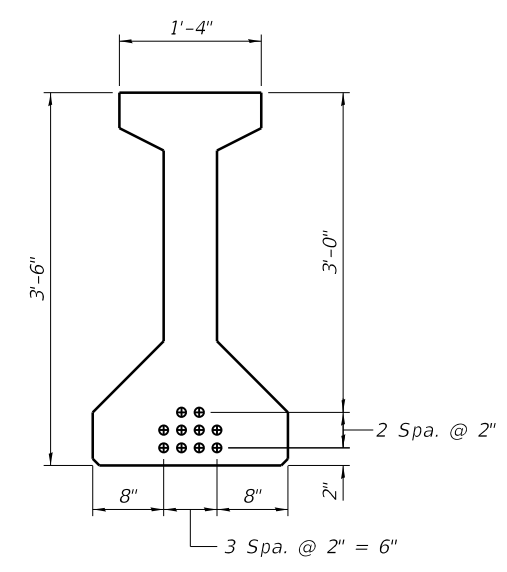
3/8" ϕ Self-Drilling Anchors, (Typ.)
 (2 req'd each location)

ELEVATION
 Compression Block Repair

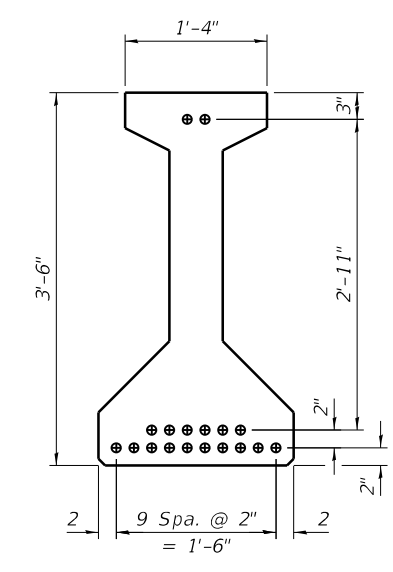
NOTES

The removal of the existing concrete at the compression block repair locations shall be limited to all loose or delaminated concrete only. The contractor shall use extreme care during this removal process to prevent any damage to the existing pre-stressing strands. Special attention shall also be given when using self-drilling anchors in the patch areas. The anchors should not make contact with any of the pre-stressing strands.

The contractor shall use a pumpable concrete mix for the repair. See special provision for pumpable concrete mix for mix requirements. Costs for all work and materials necessary to complete the repairs as shown on this sheet shall be included in cost of Pumpable Concrete Mix.



SECTION OF P.P.C I-BEAM
SPANS 1 & 3

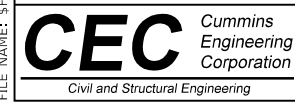


SECTION OF P.P.C I-BEAM
SPAN 2

BILL OF MATERIAL

Item	Unit	Total
Pumpable Concrete Mix	Cu. Ft.	6.0

MODEL: \$MODELNAMES
 FILE NAME: \$FILES



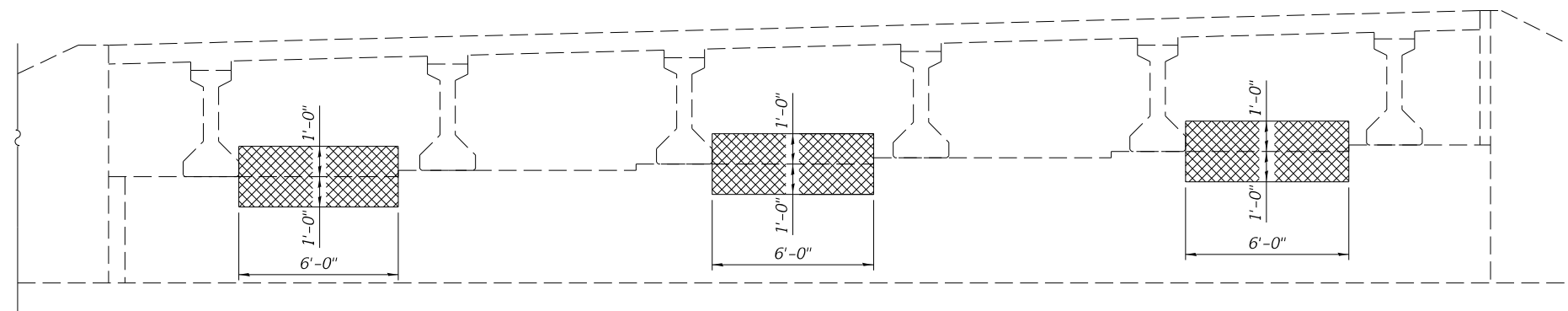
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	CHECKED - MDC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PCC I-BEAM REPAIR
STRUCTURE NO. 057-0208 (S.B.) & 057-0209 (N.B.)


SHEET 11 OF 14 SHEETS

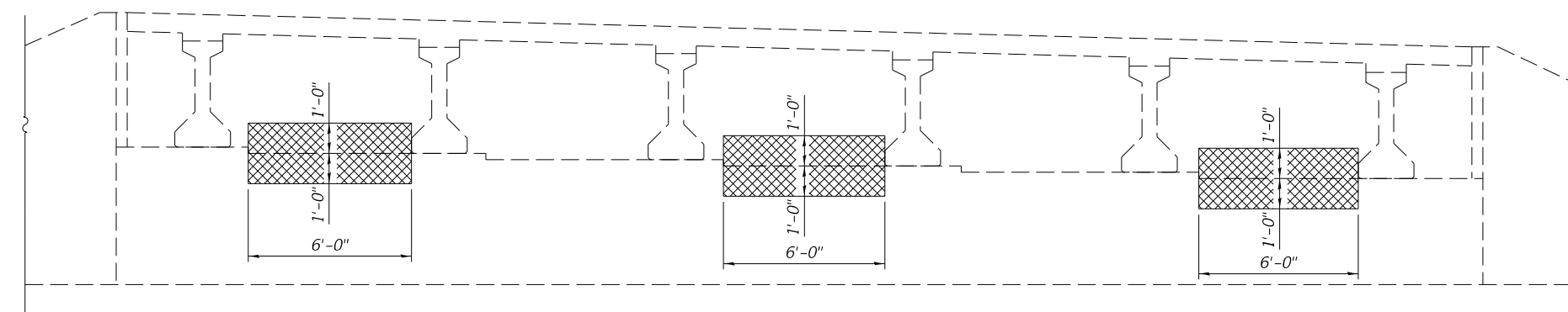
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	71
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				



ELEVATION
 South Abutment S.N. 057-0208
 (Looking South)

LEGEND

 Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)



ELEVATION
 North Abutment S.N. 057-0208
 (Looking North)

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	72

Notes:

Sounded March 15, 2019. No areas are delaminated but minor leaching and efflorescence along the beam seat bonded joint.

Areas of Structural Repair of Concrete depicted are estimated. Actual repair areas and locations shall be determined by the Engineer and shown on as-built plans.

MODEL: \$MODELNAME\$
 FILE NAME: \$FILELS\$



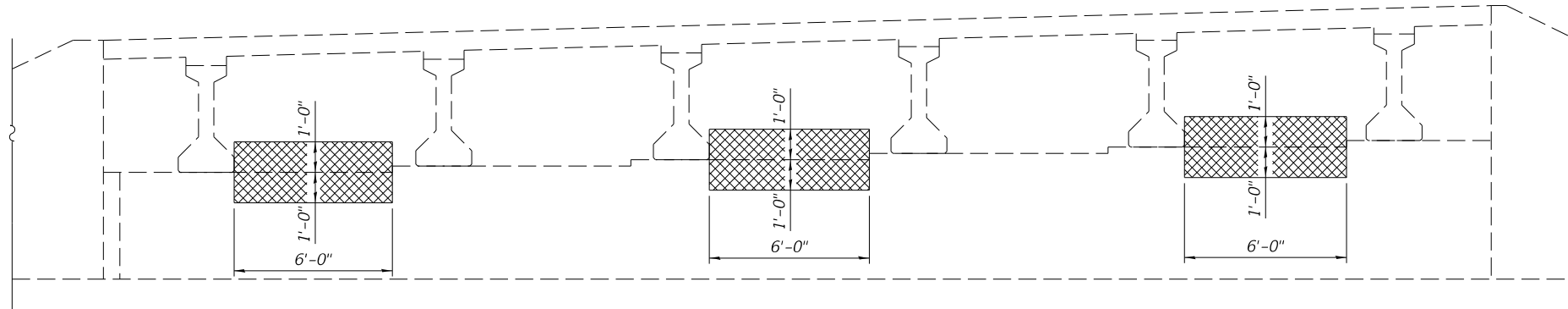
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	CHECKED - MDC	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ABUTMENT REPAIR DETAILS
 STRUCTURE NO. 057-0208 (S.B.)**

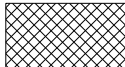
SHEET 12 OF 14 SHEETS

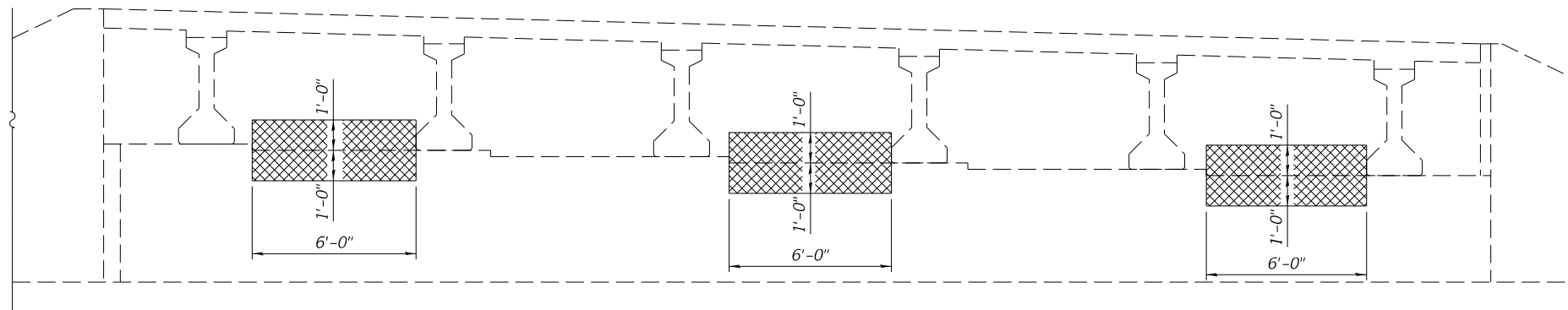
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	72
				CONTRACT NO. 70D65
		ILLINOIS	FED. AID PROJECT	



ELEVATION
 South Abutment S.N. 057-0209
 (Looking South)

LEGEND

 Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)



ELEVATION
 North Abutment S.N. 057-0209
 (Looking North)

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	72

Notes:
 Sounded March 15, 2019. No areas are delaminated but minor leaching and efflorescence along the beam seat bonded joint.
 Areas of Structural Repair of Concrete depicted are estimated. Actual repair areas and locations shall be determined by the Engineer and shown on as-built plans.

MODEL: \$MODELNAME\$
 FILE NAME: \$FILELS\$



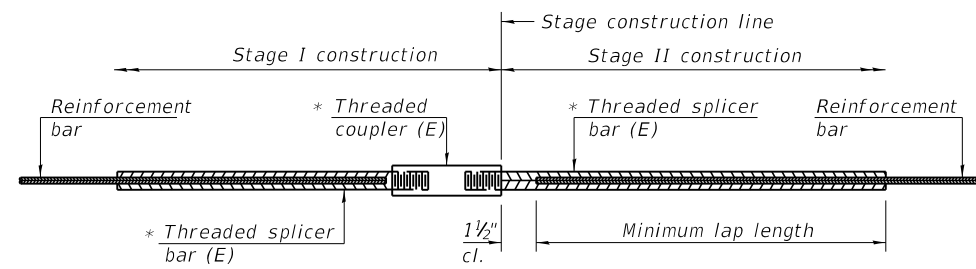
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PLOT DATE = \$DATE\$	DRAWN - SJS	REVISED -
	CHECKED - MDC	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ABUTMENT REPAIR DETAILS
 STRUCTURE NO. 057-0209 (N.B.)

SHEET 13 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	73
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70D65	

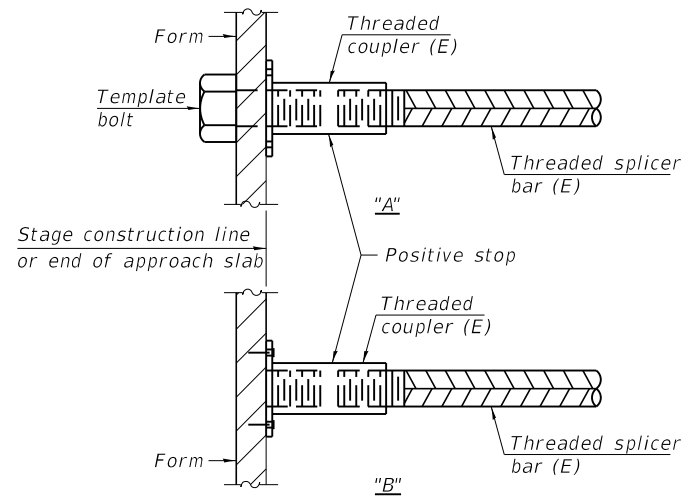


STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

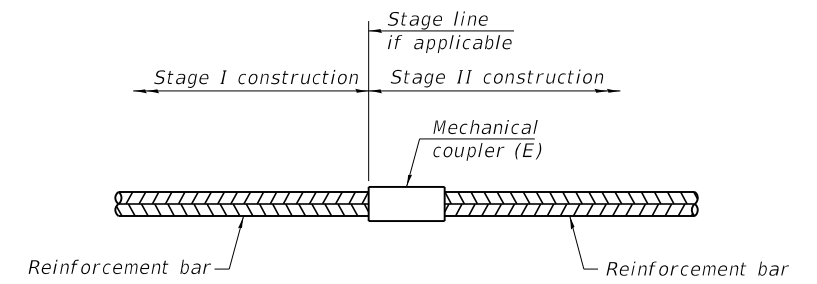
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Appr. Slab - Top	#5	172	3'-4"
Appr. Slab - Bottom	#8	228	4'-9"
Appr. Footing	#5	160	3'-1"



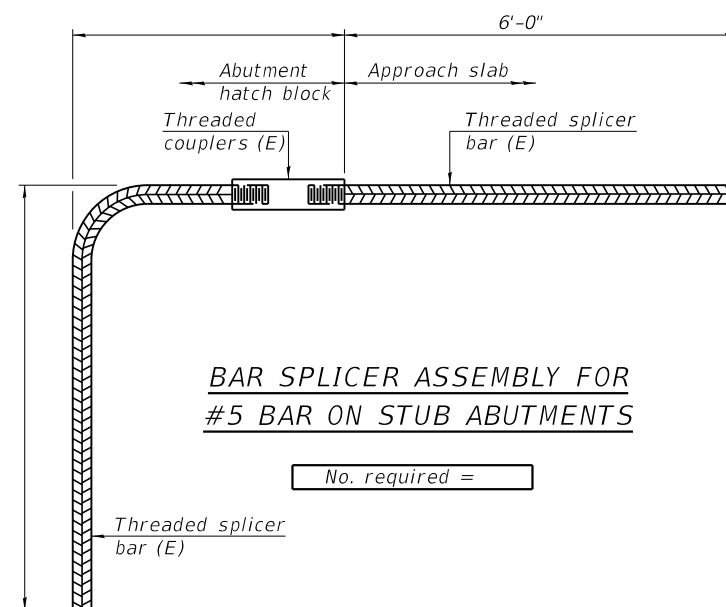
INSTALLATION AND SETTING METHODS

"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.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

MODEL: \$MODELNAME\$
 FILE NAME: \$FILES\$

BSD-1

2-17-2017

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 Civil and Structural Engineering

JOB = 2596.1	DESIGNED - AAN	REVISED -
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PLOT DATE = \$DATE\$	DRAWN - SJS	REVISED -
	CHECKED - MDC	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 STRUCTURE NO. 057-0208 (S.B.) & 057-0209 (N.B.)

SHEET 14 OF 14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	74
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

Benchmark: Top of wing wall at the NE corner of SN 057-0206, 36' Rt. Sta. 344+07, Elev. 770.72

Existing Structures: SN 057-0205 and SN 057-0206 were originally built in 1989 under Section 57-3HB-1 and consist of single span-plate girders on closed abutments with pile supported footings. The existing structure is 169'-11 1/2" bk. to bk. of approach bents and 40'-0" fc. to fc. parapets. The overall bridge width is 43'-2" out to out of deck.

SCOPE OF WORK

1. Perform bridge deck scarification on bridge deck.
2. Remove existing joints at abutments.
3. Perform full-depth patching.
4. Remove curtain walls at abutments.
5. Perform structural repair of concrete on face of abutments.
6. Replace bearings at abutments.
7. Perform structural steel repairs and replace end diaphragms at abutments.
8. Install new preformed joint strip seal.
9. Place microsilica concrete overlay.
10. Construct approach slabs.
11. Diamond grind bridge deck and approach slabs.

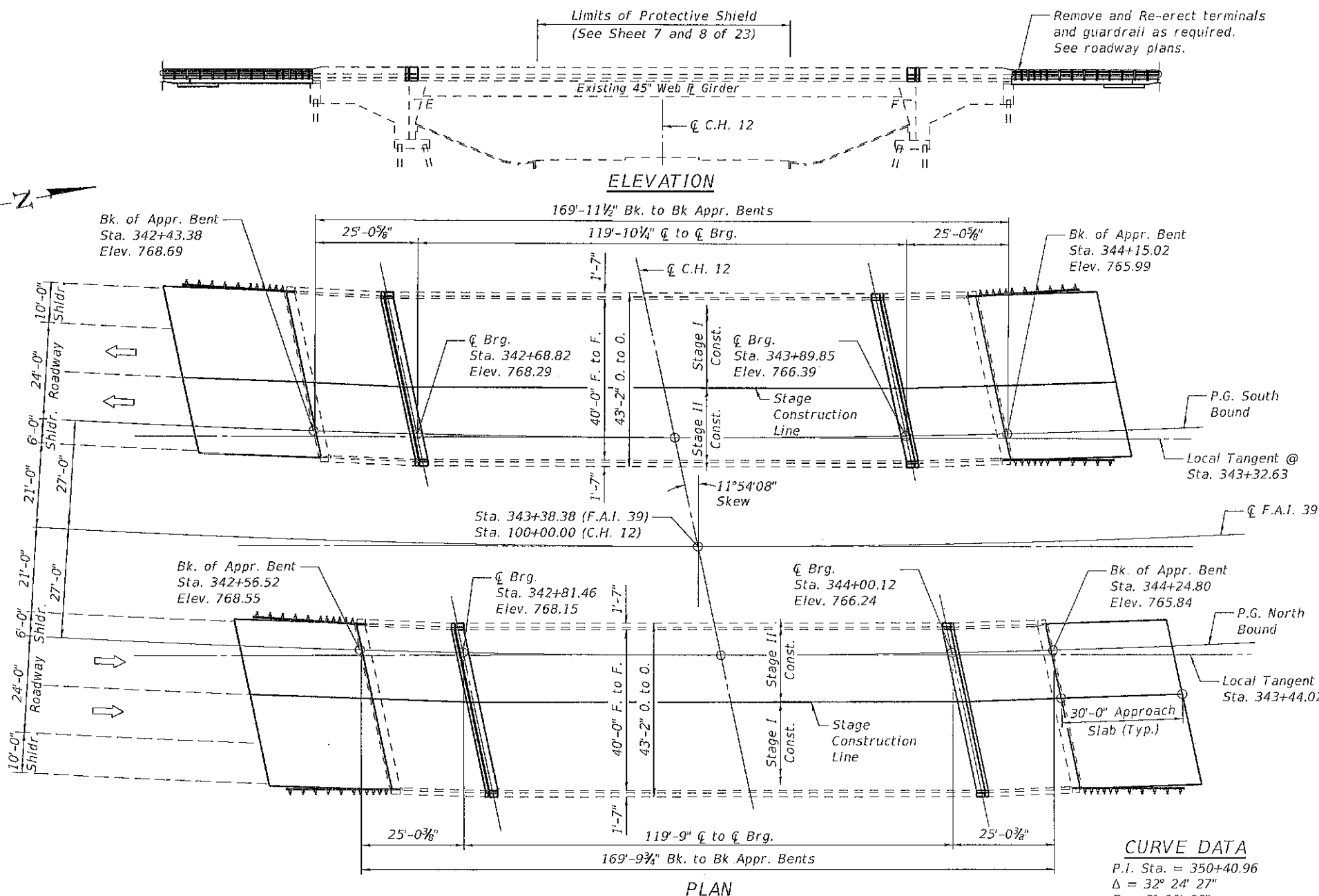
GENERAL NOTES

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

Up to 1/8 inch may be ground off the bridge deck and approach slabs. Fibers shall be added to the Bridge Deck Microsilica Concrete Overlay. See Special Provisions.

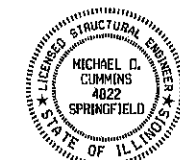
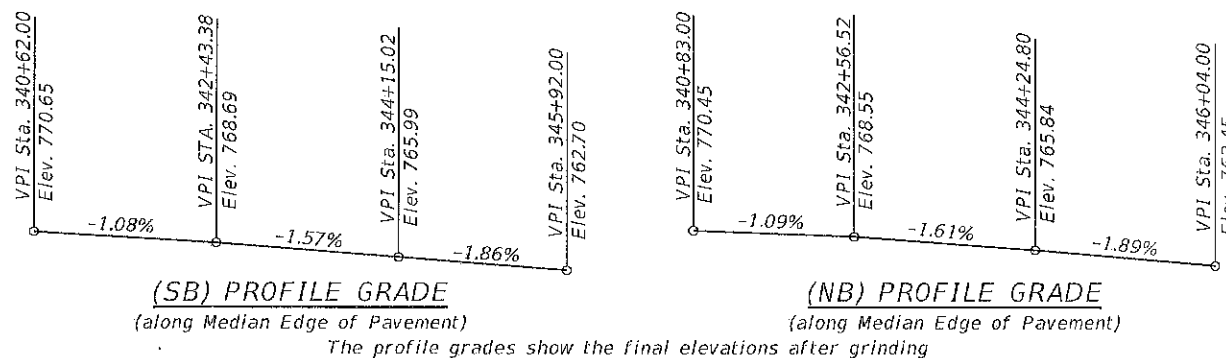
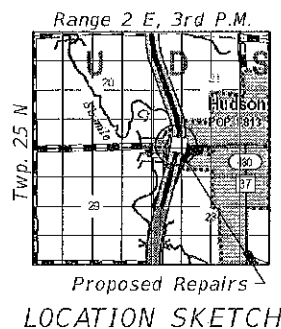
TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	18.1
Concrete Structures	Cu. Yd.	54.0
Concrete Superstructure	Cu. Yd.	19.9
Protective Coat	Sq. Yd.	2082
Concrete Superstructure (Approach Slab)	Cu. Yd.	241.2
Furnishing and Erecting Structural Steel	Pound	8330
Reinforcement Bars, Epoxy Coated	Pound	95,342
Bar Splicers	Each	616
Preformed Joint Strip Seal	Foot	172
Elastomeric Bearing Assembly, Type I	Each	12
Anchor Bolts, 1"	Each	24
Anchor Bolts, 3/4"	Each	24
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	1226
Jack and Remove Existing Bearings	Each	12
Structural Steel Removal	Pound	6010
Structural Steel Repair	Pound	8460
Bridge Deck Microsilica Concrete Overlay, 2 3/4" Inch	Sq. Yd.	1460
Bridge Deck Scarification 3/4"	Sq. Yd.	1460
Structural Repair of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq. Ft.	171
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	36
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	18
Diamond Grinding (Bridge Section)	Sq. Yd.	1854
Protective Shield	Sq. Yd.	608



CURVE DATA

P.I. Sta. = 350+40.96
 $\Delta = 32^\circ 24' 27''$
 $D = 2^\circ 00' 00''$
 $R = 2864.79'$
 $L = 1620.37'$
 $T = 832.50'$
 S.E. = Transition (.052 1/2)
 Start Sta. = 339+83.13
 End Sta. = 342+95.13
 PC Sta. = 342+08.46
 PT Sta. = 358+28.83



Michael D. Cummins 3-18-20
 (Expires 11/30/20)

GENERAL PLAN AND ELEVATION
 F.A.I. ROUTE 39 (I-39)
 OVER C.H. 12
 SECTION (57-3B-1)BDS
 McLEAN COUNTY
 STA 343+38.38
 STRUCTURE NO. 057-0205 & 0206

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
 STRUCTURE NO. 057-0205 (S.B.) & 0206 (N.B.)

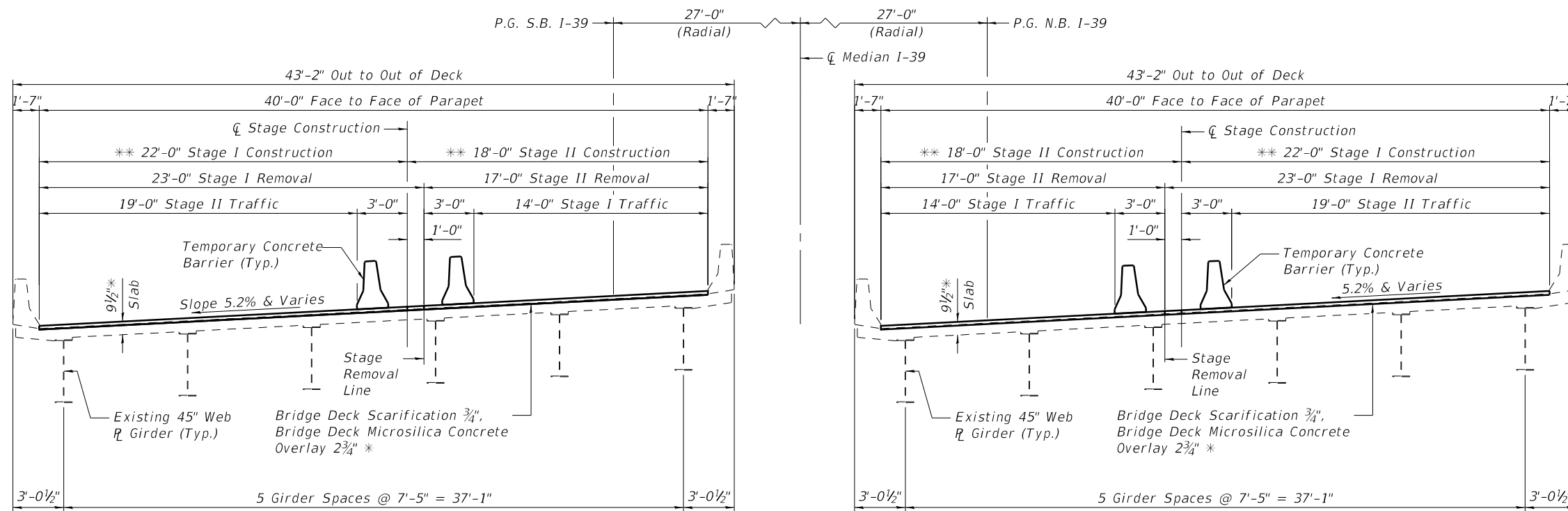
F.A.I. R/F:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	75
CONTRACT NO. 70D65				

SHEET 1 OF 23 SHEETS

CEC Cummins Engineering Corporation
 Civil and Structural Engineering

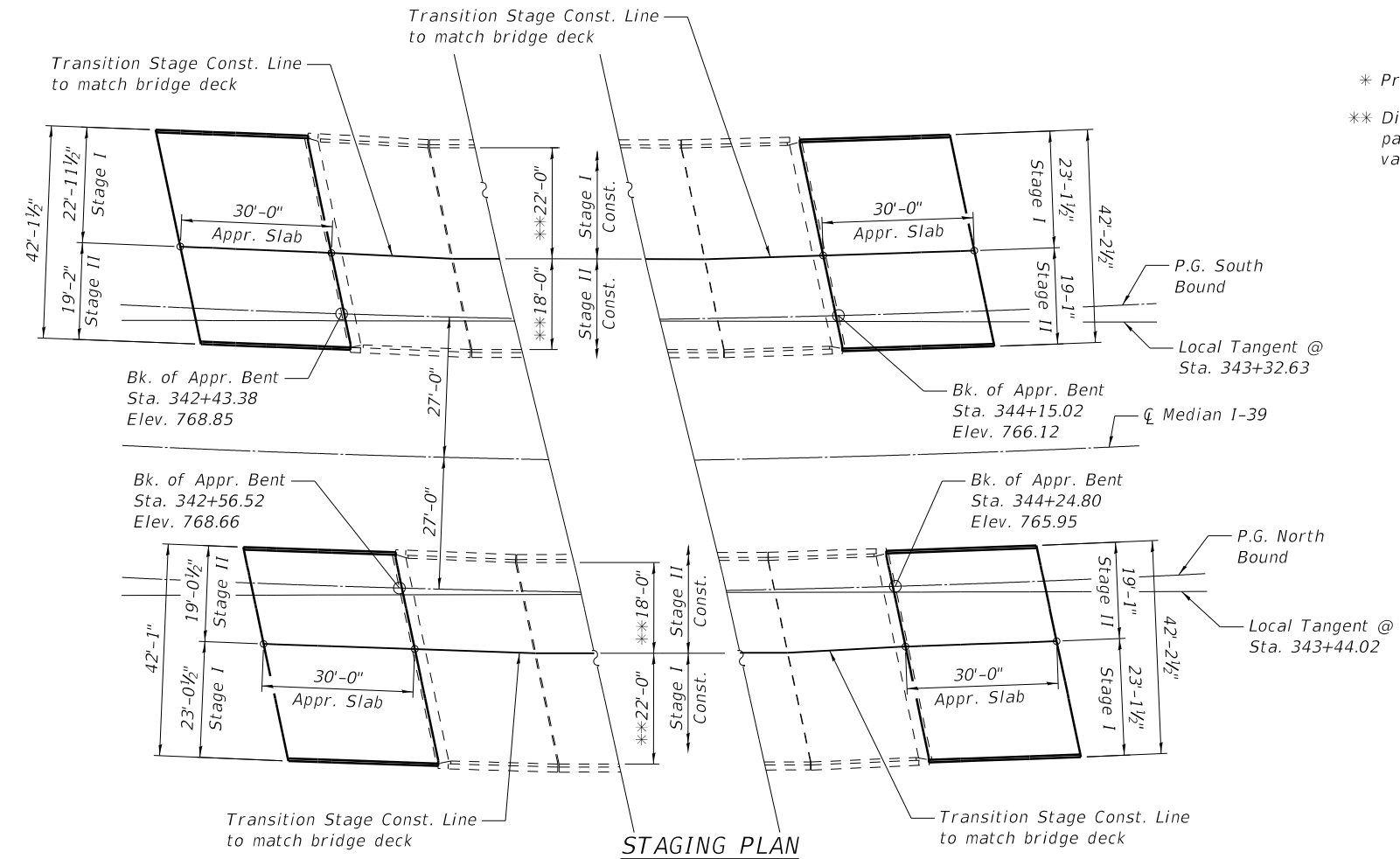
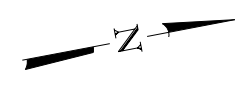
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DATE = 3/18/2020	DRAWN = SJS	REVISED
	CHECKED = MDC	REVISED

MODEL: Default
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STAGE I & II CONSTRUCTION
(SN 057-0205 Southbound looking North)

STAGE I & II CONSTRUCTION
(SN 057-0206 Northbound looking North)



* Prior to Grinding
** Dimension to stage line is at right angles to face of parapet across bridge deck. Dimension to stage line varies across approach spans and approach slabs.

STAGING PLAN

MODEL: \$MODELNAME\$
FILE NAME: \$FILEL\$



JOB # = 2596.1	DESIGNED , AAN	REVISED ,
FILE NAME = \$FILEL\$	CHECKED , MDC	REVISED ,
PLOT DATE = \$DATE\$	DRAWN , SJS	REVISED ,
	CHECKED , MDC	REVISED ,

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 057-0205 (S.B.) & 0206 (N.B.)**

SHEET 2 OF 23 SHEETS

F.A.I. (RTE.)	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	76
CONTRACT NO. 70D65				

ILLINOIS FED. AID PROJECT

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End of S. Appr. Slab	342+04.70	-34.00	768.00	768.02
A1	342+14.93	-34.00	767.83	767.84
A2	342+25.16	-34.00	767.65	767.67
N. End of S. Appr. Slab	342+35.37	-34.00	767.48	767.50

WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End of S. Appr. Slab	342+07.35	-24.00	768.19	768.21
A1	342+17.54	-24.00	768.03	768.05
A2	342+27.73	-24.00	767.88	767.90
N. End of S. Appr. Slab	342+37.91	-24.00	767.72	767.74

STAGE CONSTRUCTION LINE

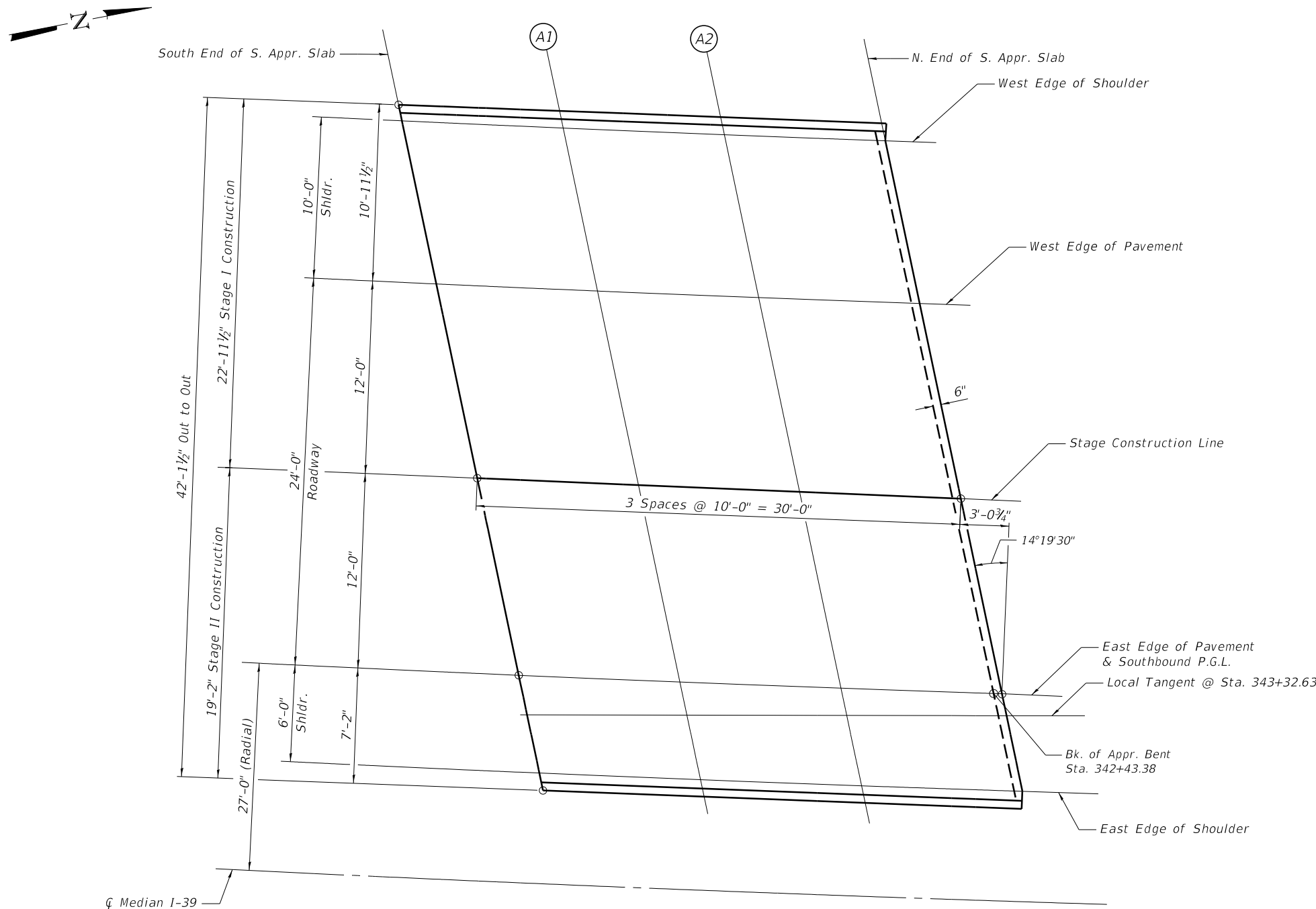
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End of S. Appr. Slab	342+10.50	-11.97	768.65	768.67
A1	342+20.64	-12.01	768.51	768.53
A2	342+30.79	-12.02	768.36	768.38
N. End of S. Appr. Slab	342+40.92	-12.00	768.23	768.25

EAST EDGE OF PAVEMENT & SOUTHBOUND P.G.L.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End of S. Appr. Slab	342+13.62	0.00	769.01	769.03
A1	342+23.72	0.00	768.90	768.92
A2	342+33.81	0.00	768.79	768.81
N. End of S. Appr. Slab	342+43.91	0.00	768.69	768.71

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End of S. Appr. Slab	342+15.17	6.00	769.23	769.25
A1	342+25.25	6.00	769.15	769.17
A2	342+35.33	6.00	769.07	769.09
N. End of S. Appr. Slab	342+45.38	6.00	768.99	769.01



PLAN

(South Approach S.N. 057-0205 S.B.)

MODEL: \$MODEL\$
FILE NAME: \$FILE\$

E-AS1

2-17-2017

CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

JOB = 2596.1	DESIGNED - AAN	REVISED -
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PLOT DATE = \$DATE\$	DRAWN - SJS	REVISED -
	CHECKED - MDC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF SOUTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 057-0205 (S.B.)

SHEET 3 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	77
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

WEST EDGE OF SHOULDER

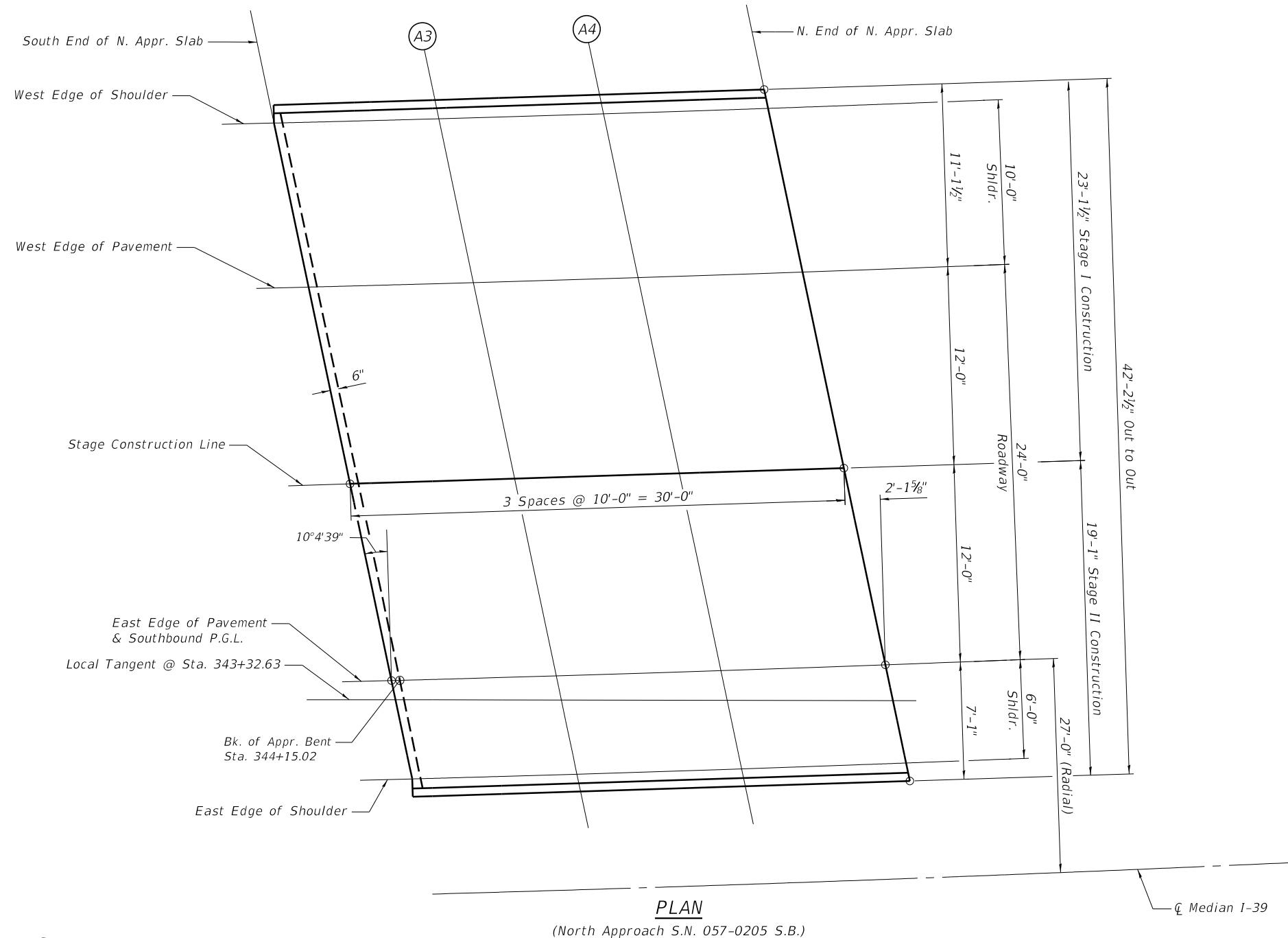
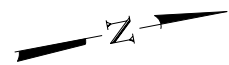
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End of N. Appr. Slab	344+08.15	-34.00	764.47	764.49
A3	344+18.38	-34.00	764.31	764.33
A4	344+28.60	-34.00	764.15	764.17
N. End of N. Appr. Slab	344+38.82	-34.00	763.99	765.00

WEST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End of N. Appr. Slab	344+10.04	-24.00	764.92	764.94
A3	344+20.23	-24.00	764.73	764.75
A4	344+30.42	-24.00	764.54	764.56
N. End of N. Appr. Slab	344+40.59	-24.00	764.35	764.37

STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End of N. Appr. Slab	344+12.29	-12.00	765.49	765.51
A3	344+22.43	-12.04	765.30	765.32
A4	344+32.56	-12.05	765.11	765.13
N. End of N. Appr. Slab	344+42.70	-12.02	764.92	764.94



PLAN
(North Approach S.N. 057-0205 S.B.)

EAST EDGE OF PAVEMENT & SOUTHBOUND P.G.L.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End of N. Appr. Slab	344+14.52	0.00	765.99	766.01
A3	344+24.61	0.00	765.80	765.82
A4	344+34.71	0.00	765.62	765.64
N. End of N. Appr. Slab	344+44.80	0.00	765.43	765.45

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End of N. Appr. Slab	344+15.62	6.00	766.33	766.35
A3	344+25.70	6.00	766.12	766.14
A4	344+35.78	6.00	765.92	765.94
N. End of N. Appr. Slab	344+45.84	6.00	765.71	765.73

MODEL: \$MODELNAMES
FILE NAME: \$FILES

E-AS1

2-17-2017



JOB = 2596.1	DESIGNED - AAN	REVISED -
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	CHECKED - MDC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF NORTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 057-0205 (S.B.)**

SHEET 4 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	78
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

WEST EDGE OF SHOULDER

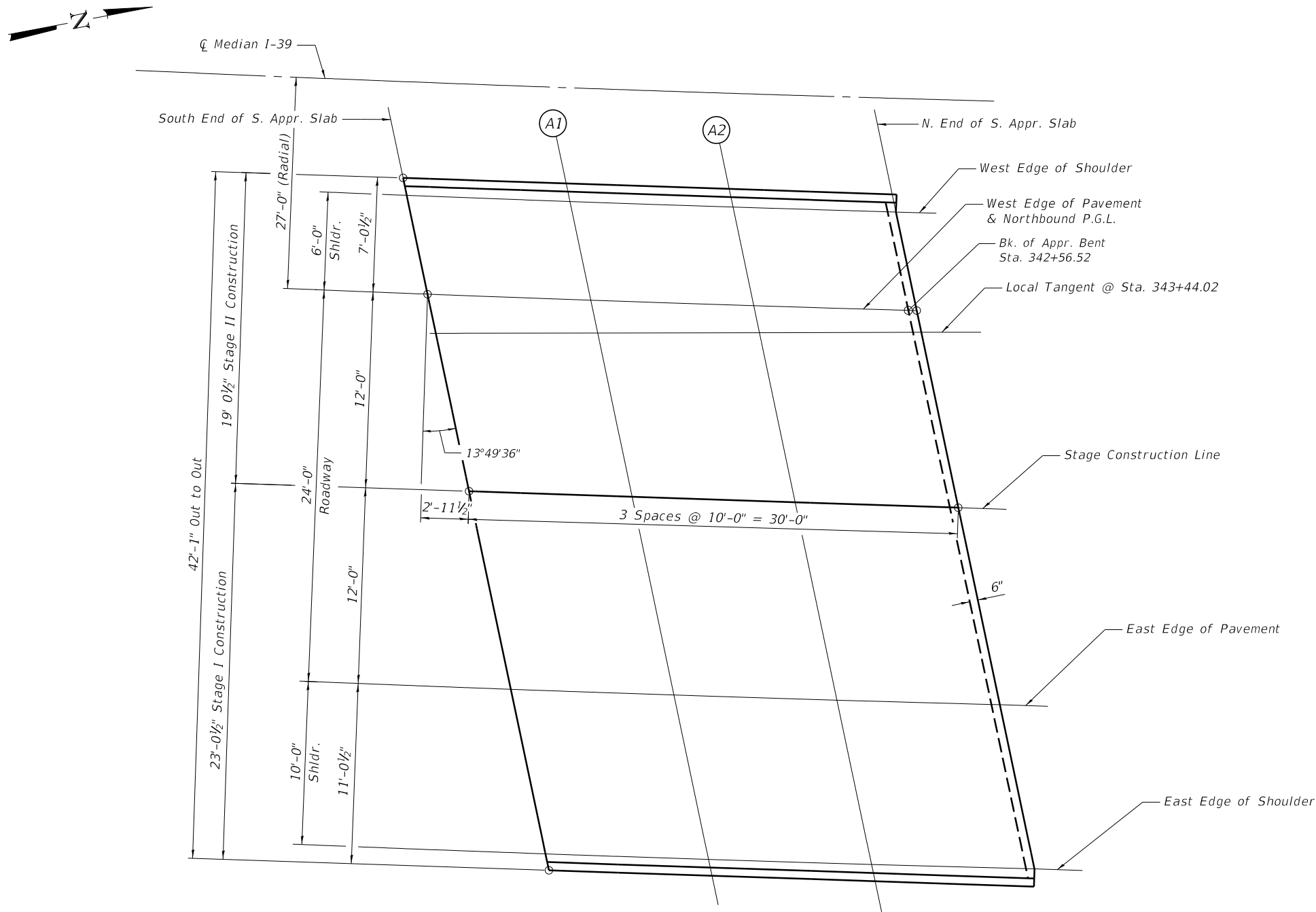
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End of S. Appr. Slab	342+25.80	-6.00	768.86	768.88
A1	342+35.73	-6.00	768.71	768.73
A2	342+45.66	-6.00	768.55	768.57
N. End of S. Appr. Slab	342+55.58	-6.00	768.40	768.42

WEST EDGE OF PAVEMENT & NORTHBOUND P.G.L.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End of S. Appr. Slab	342+27.30	0.00	768.97	768.99
A1	342+37.21	0.00	768.83	768.85
A2	342+47.12	0.00	768.68	768.70
N. End of S. Appr. Slab	342+57.02	0.00	768.55	768.57

STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End of S. Appr. Slab	342+30.27	11.97	769.30	769.32
A1	342+40.13	11.95	769.23	769.25
A2	342+50.00	11.96	769.15	769.17
N. End of S. Appr. Slab	342+59.86	12.00	769.08	769.10



EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End of S. Appr. Slab	342+33.23	24.00	769.63	769.65
A1	342+43.06	24.00	769.61	769.63
A2	342+52.88	24.00	769.60	769.62
N. End of S. Appr. Slab	342+62.69	24.00	769.58	769.60

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End of S. Appr. Slab	342+35.67	34.00	767.53	767.55
A1	342+45.46	34.00	768.39	768.41
A2	342+55.25	34.00	769.24	769.26
N. End of S. Appr. Slab	342+65.02	34.00	770.06	770.08

PLAN

(South Approach S.N. 057-0206 N.B.)

MODEL: \$MODELNAME\$
FILE NAME: \$FILEL\$



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FILE NAME = \$FILEL\$	CHECKED - MDC	REVISED -
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	CHECKED - MDC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SOUTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 057-0206 (N.B.)**

SHEET 5 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	79
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

WEST EDGE OF SHOULDER

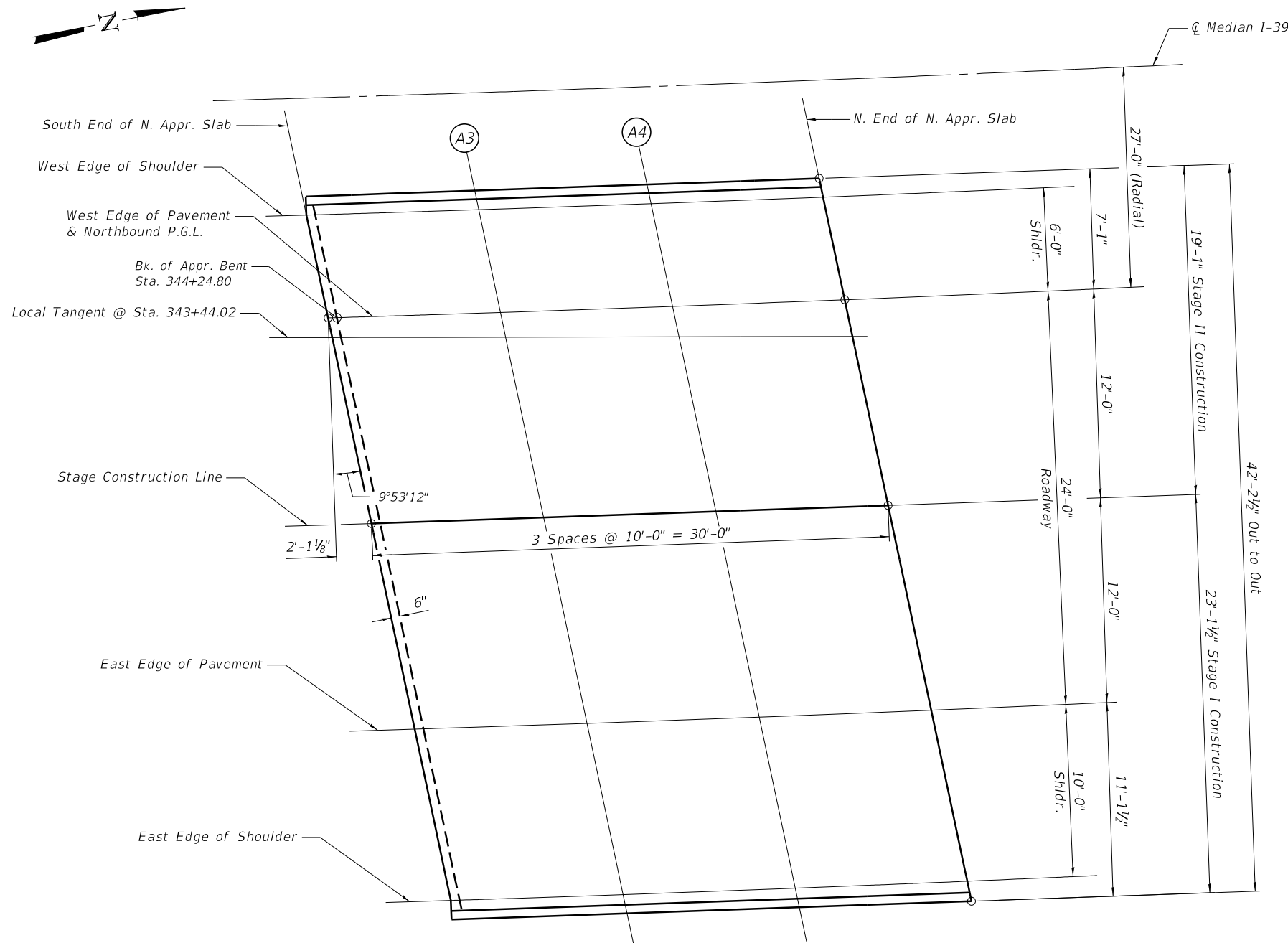
Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End of N. Appr. Slab	344+23.23	-6.00	765.50	765.52
A3	344+33.17	-6.00	765.32	765.34
A4	344+43.09	-6.00	765.15	765.17
N. End of N. Appr. Slab	344+53.02	-6.00	764.97	764.99

WEST EDGE OF PAVEMENT & NORTHBOUND P.G.L.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End of N. Appr. Slab	344+24.30	0.00	765.84	765.86
A3	344+34.21	0.00	765.66	765.68
A4	344+44.12	0.00	765.47	765.49
N. End of N. Appr. Slab	344+54.02	0.00	765.29	765.31

STAGE CONSTRUCTION LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End of N. Appr. Slab	344+26.43	12.00	766.51	766.53
A3	344+36.29	11.97	766.32	766.34
A4	344+46.16	11.98	766.13	766.15
N. End of N. Appr. Slab	344+56.03	12.02	765.93	765.95



EAST EDGE OF PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End of N. Appr. Slab	344+28.54	24.00	767.03	767.05
A3	344+38.37	24.00	766.85	766.87
A4	344+48.19	24.00	766.66	766.68
N. End of N. Appr. Slab	344+58.01	24.00	766.48	766.50

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Grinding
S. End of N. Appr. Slab	344+30.28	34.00	767.54	767.56
A3	344+40.07	34.00	767.32	767.34
A4	344+49.86	34.00	767.10	767.12
N. End of N. Appr. Slab	344+59.65	34.00	766.88	766.90

PLAN

(North Approach S.N. 057-0206 N.B.)

MODEL: \$MODELNAME\$
FILE NAME: \$FILES\$



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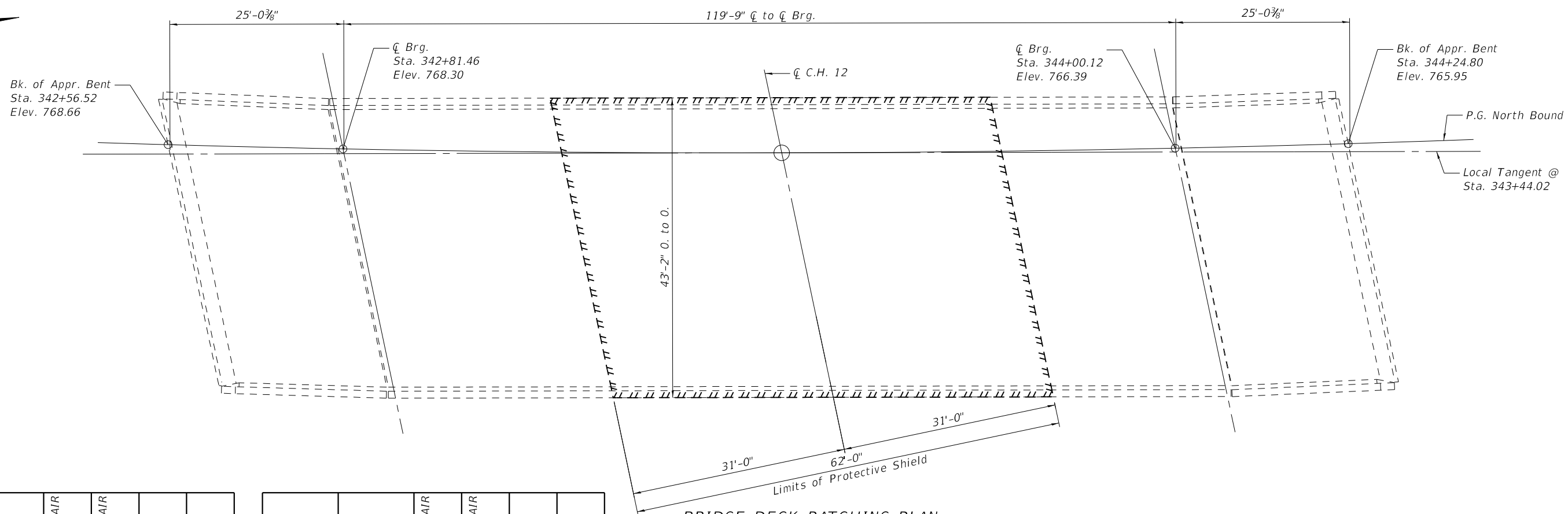
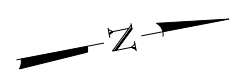
REVISED -
REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF NORTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 057-0206 (N.B.)




SHEET 6 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	80
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				



BRIDGE DECK PATCHING PLAN
(SN 057-0206 - NB)

LEGEND

-  Deck Slab Repair Full Depth (Type I)
-  Deck Slab Repair Full Depth (Type II)
-  Protective Shield

PATCH NO.	SIZE	DECK SLAB REPAIR FULL DEPTH (TYPE I)			
		SQ. YD.	SQ. YD.		
TOTAL					

PATCH NO.	SIZE	DECK SLAB REPAIR FULL DEPTH (TYPE I)			
		SQ. YD.	SQ. YD.		
TOTAL					

BILL OF MATERIAL

Item	Unit	Total
Deck Slab Repair Full Depth (Type I)	Sq. Yd.	18
Deck Slab Repair Full Depth (Type II)	Sq. Yd.	9
Protective Shield	Sq. Yd.	304

Deck Slab Repair (Full Depth) quantities have been estimated as 5% of the deck. The Engineer shall show actual locations of deck repairs on as-built plans.

The cost of removal of raised reflective pavement markers on the existing bridge surface shall be included in the cost of Bridge Deck Scarification.

MODEL: Default; FILE NAME: 057-0205_0206-70D65-00-DeckRepair.dgn

CEC Civil and Structural Engineering	Cummins Engineering Corporation	JOB = 2596.1	DESIGNED - AAN	REVISED -
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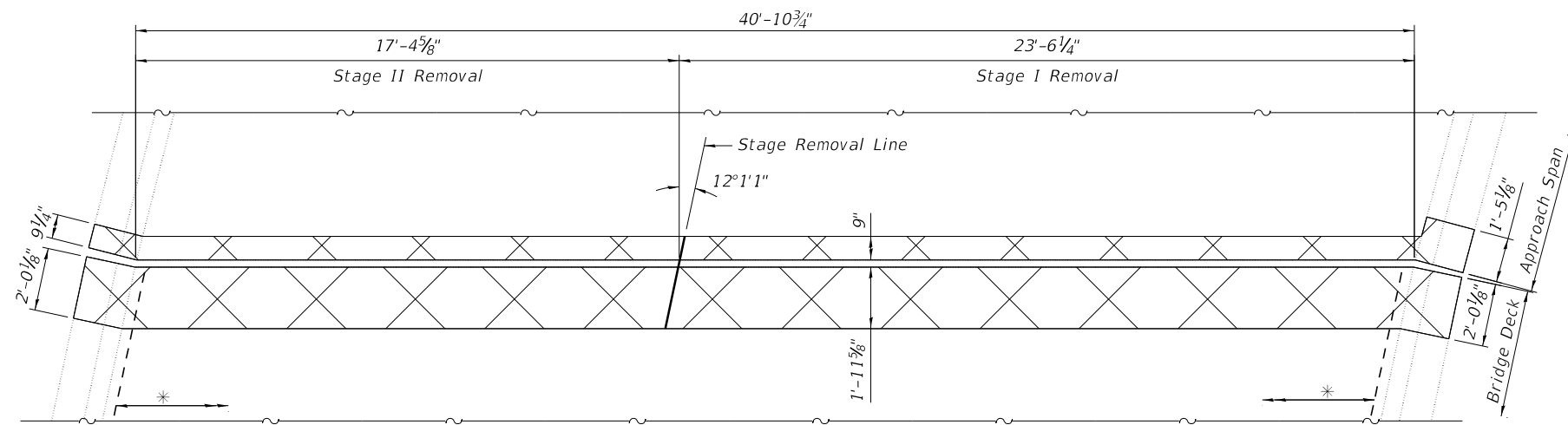
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BRIDGE DECK PATCHING PLAN
STRUCTURE NO. 057-0206 (N.B.)**

SHEET 8 OF 23 SHEETS

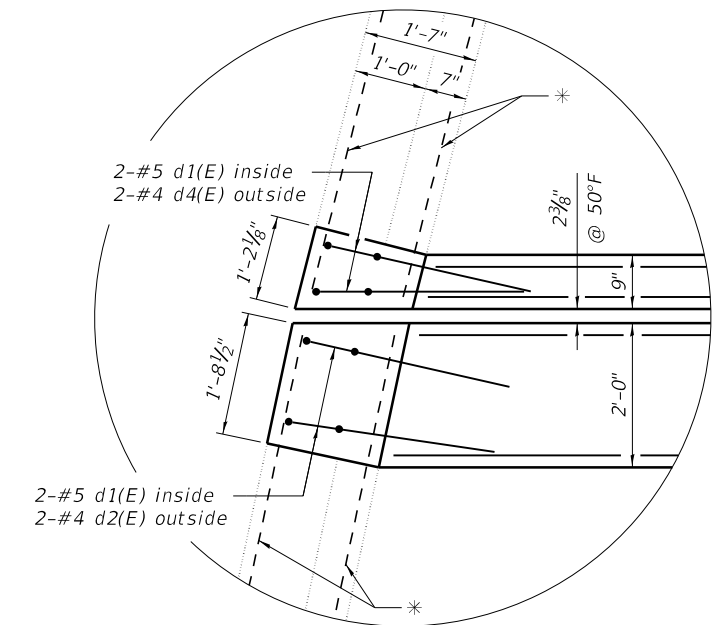
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39	(57-3B-1)BDS	McLEAN	97	82
CONTRACT NO. 70D65				

ILLINOIS FED. AID PROJECT

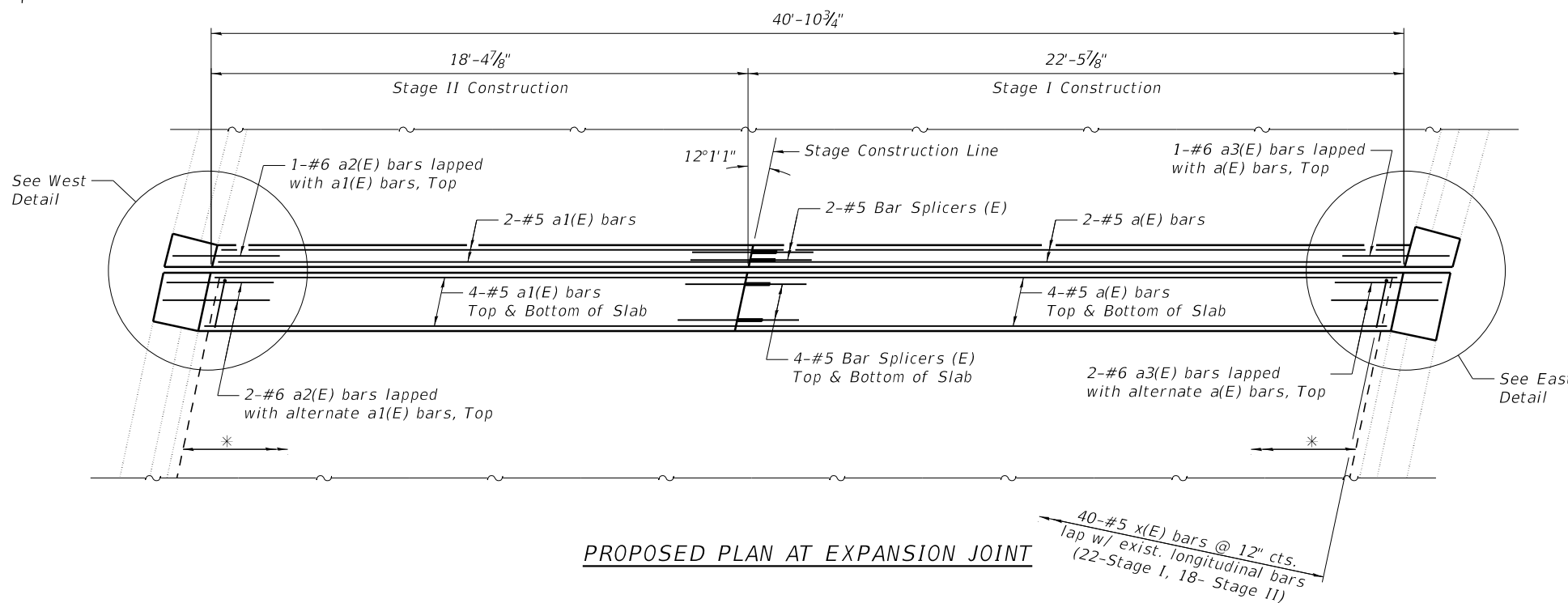


EXISTING PLAN AT EXPANSION JOINT

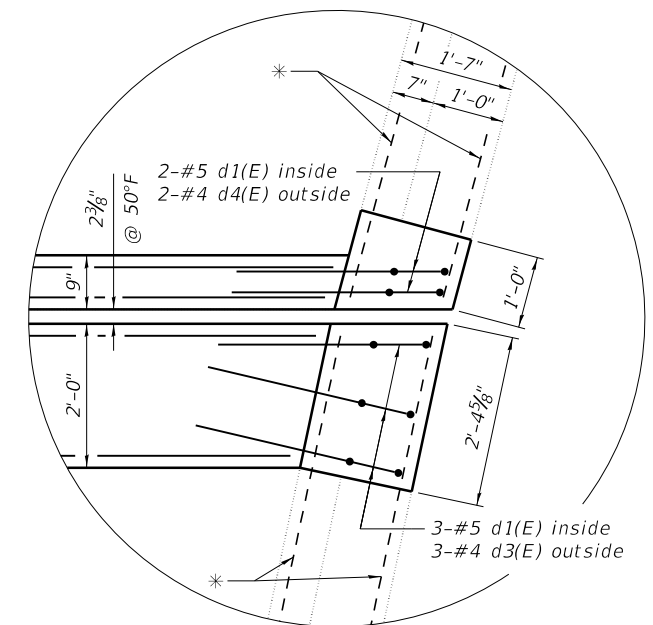
Cross-hatched area indicates limits of Concrete Removal.



WEST-DETAIL



PROPOSED PLAN AT EXPANSION JOINT



EAST-DETAIL

* Existing reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.

MODEL: \$MODELNAME\$
FILE NAME: \$FILE\$

CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

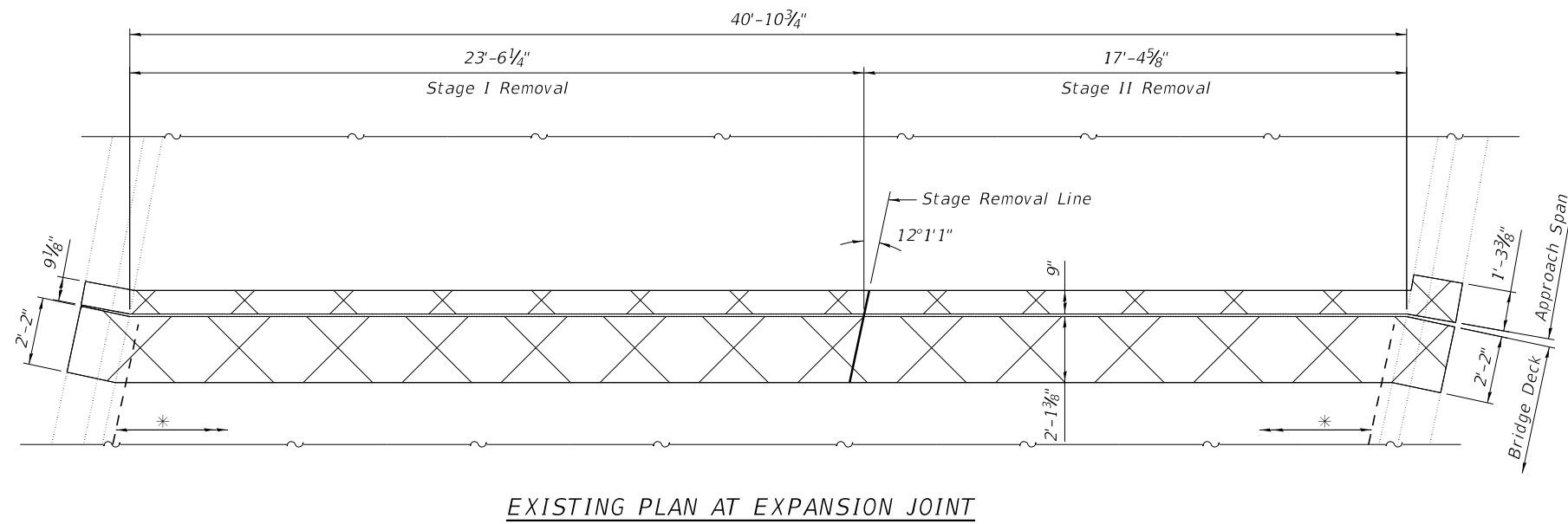
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PLOT DATE = \$DATE\$	DRAWN - SJS	REVISED -
	CHECKED - MDC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ABUTMENT "A" JOINT REPLACEMENT DETAILS
STRUCTURE NO. 057-0205 (S.B.)**

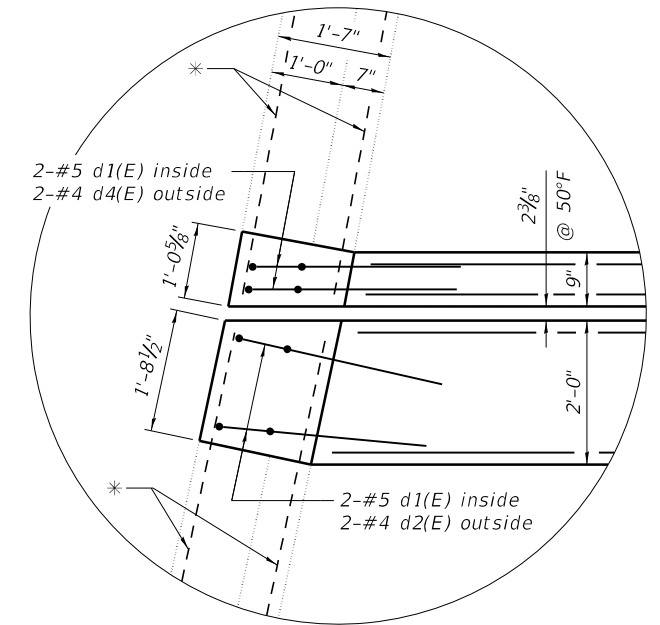
SHEET 9 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

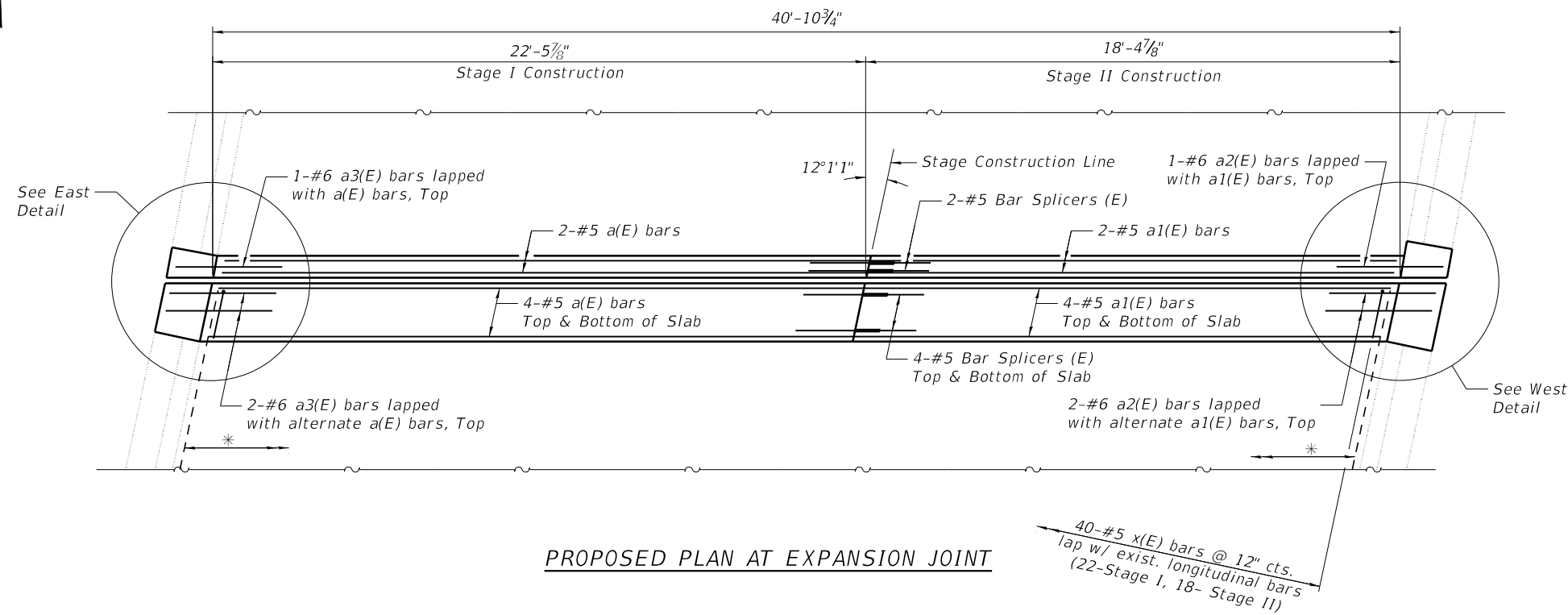


EXISTING PLAN AT EXPANSION JOINT

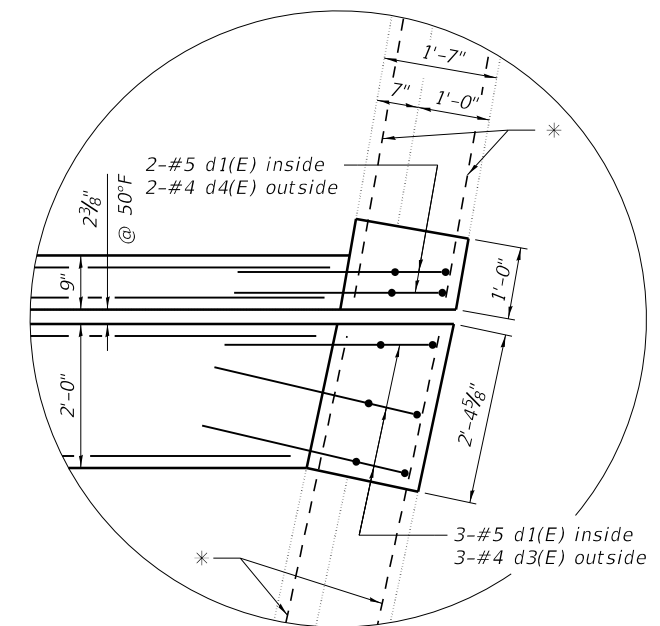
Cross-hatched area indicates limits of Concrete Removal.



EAST-DETAIL



PROPOSED PLAN AT EXPANSION JOINT



WEST-DETAIL

* Existing longitudinal reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.

MODEL: \$MODELNAME\$
FILE NAME: \$FILEL\$



JOB = 2596.1
FILE NAME = \$FILEL\$
PLOT DATE = \$DATE\$

DESIGNED - AAN
CHECKED - MDC
DRAWN - SJS
CHECKED - MDC

REVISED -
REVISED -
REVISED -
REVISED -

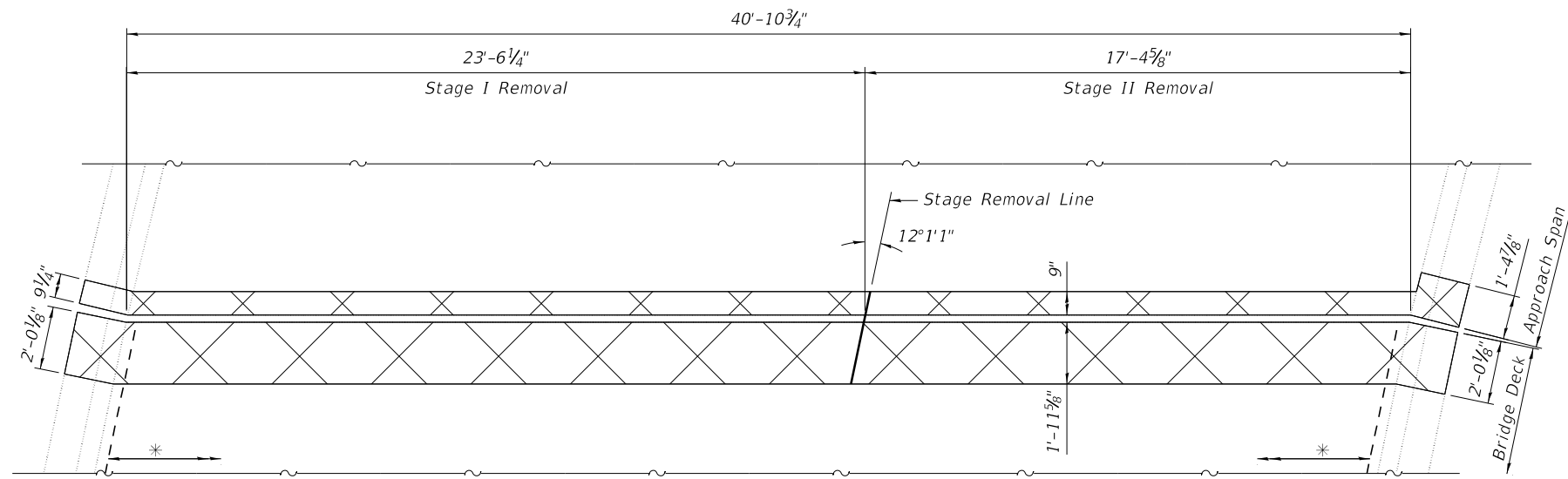
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ABUTMENT "B" JOINT REPLACEMENT DETAILS
STRUCTURE NO. 057-0205 (S.B.)

SHEET 10 OF 23 SHEETS

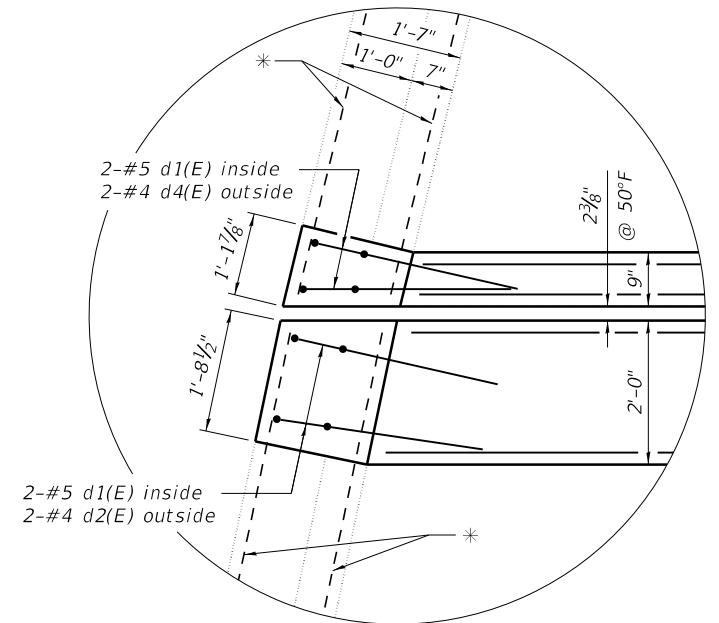
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	84
CONTRACT NO. 70D65				

ILLINOIS FED. AID PROJECT

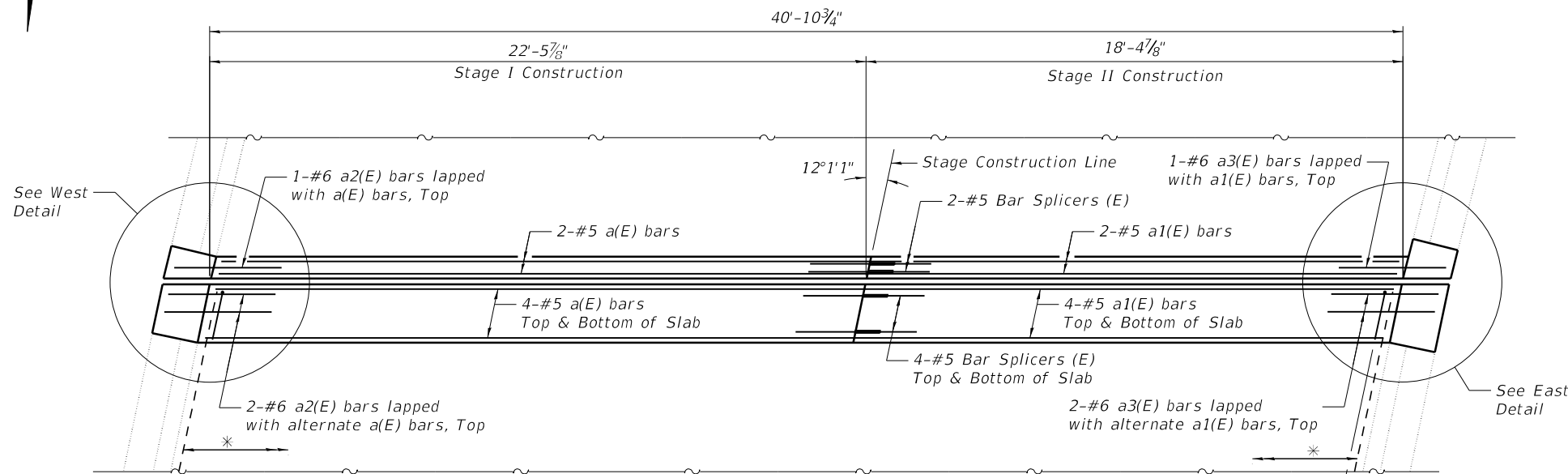


EXISTING PLAN AT EXPANSION JOINT

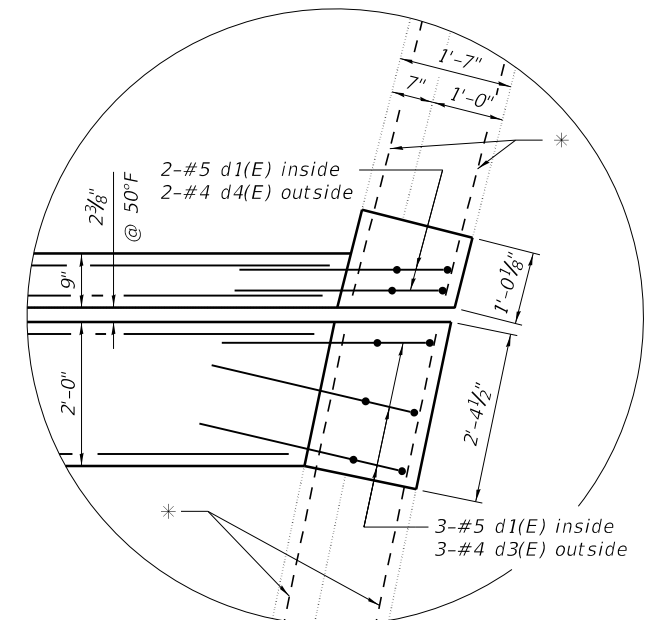
Cross-hatched area indicates limits of Concrete Removal.



WEST-DETAIL



PROPOSED PLAN AT EXPANSION JOINT



EAST-DETAIL

* Existing longitudinal reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.

MODEL: \$MODELNAMES
FILE NAME: \$FILES

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Corporation
Civil and Structural Engineering

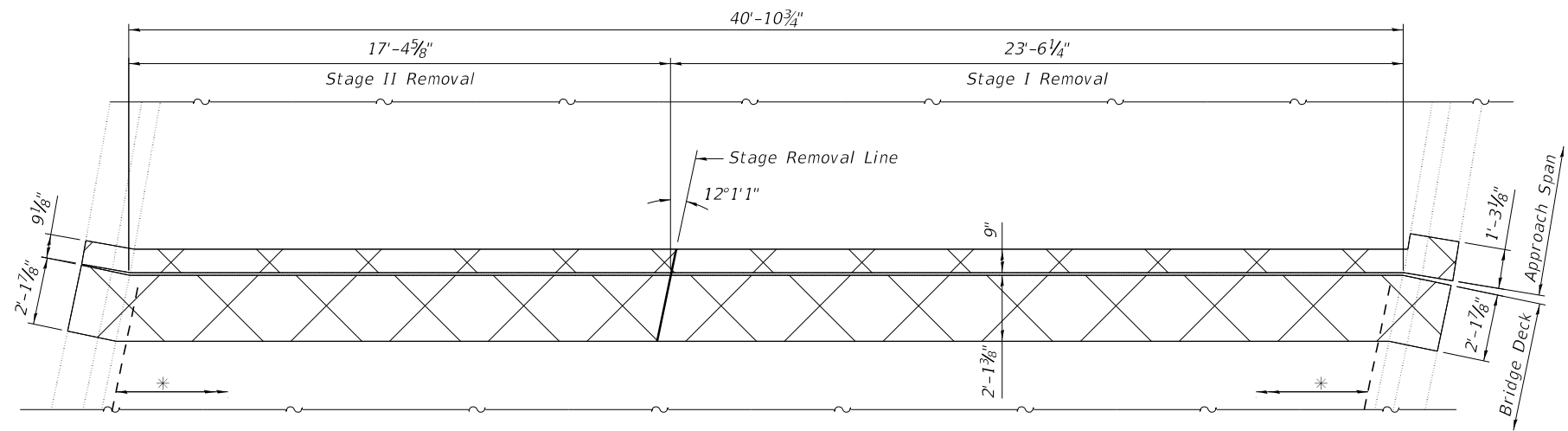
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FILE NAME = \$FILES\$	CHECKED - MDC	REVISED -
PLOT DATE = \$DATES\$	DRAWN - SJS	REVISED -
	CHECKED - MDC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ABUTMENT "C" JOINT REPLACEMENT DETAILS
STRUCTURE NO. 057-0206 (N.B.)

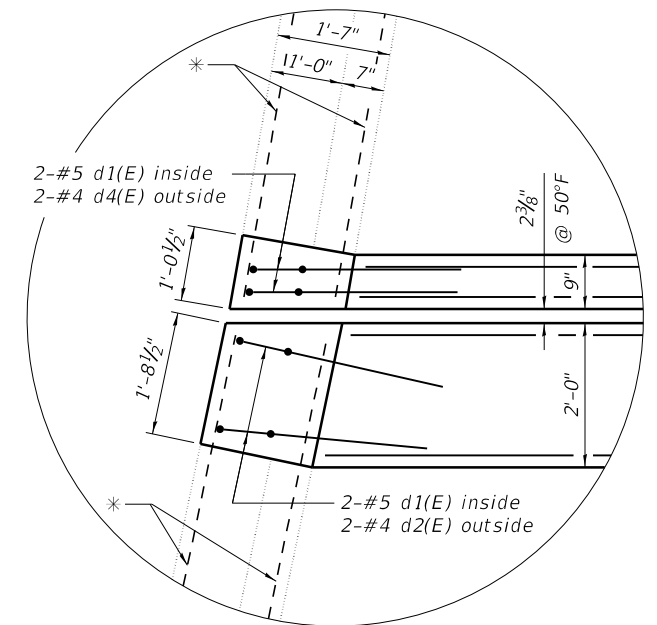
SHEET 11 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	85
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

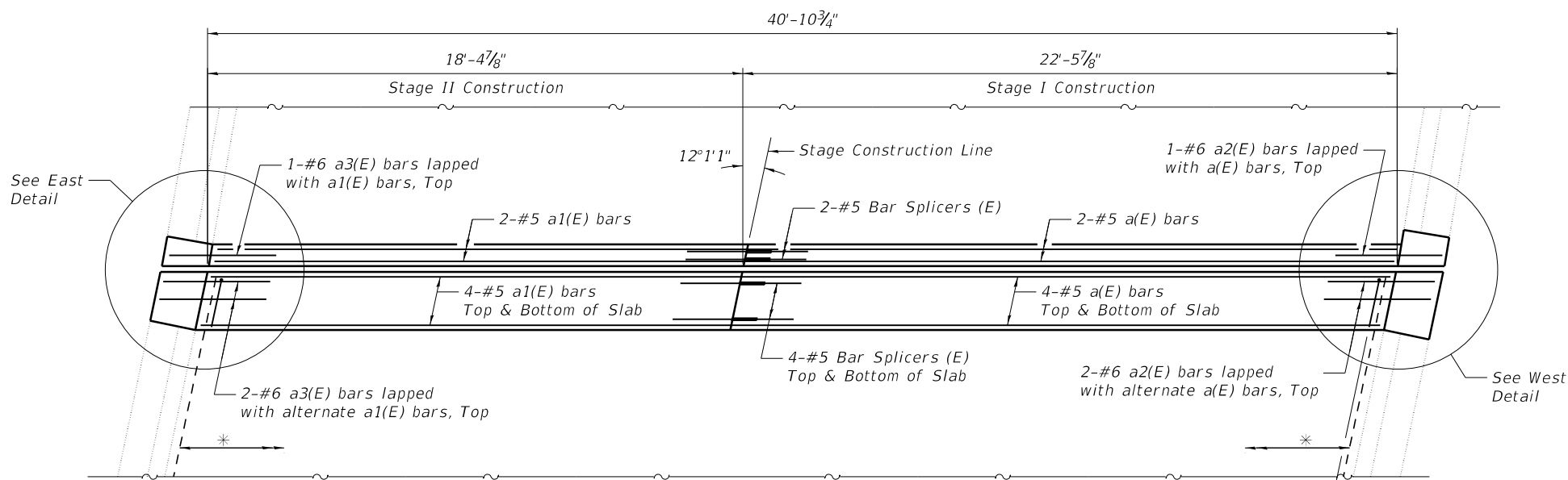


EXISTING PLAN AT EXPANSION JOINT

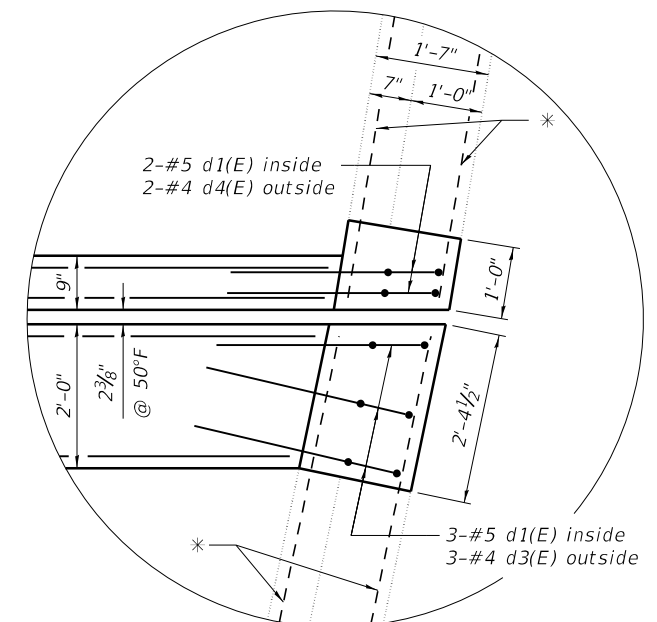
Cross-hatched area indicates limits of Concrete Removal.



EAST-DETAIL



PROPOSED PLAN AT EXPANSION JOINT



WEST-DETAIL

* Existing longitudinal reinforcement shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.

MODEL: \$MODELNAMES
FILE NAME: \$FILES



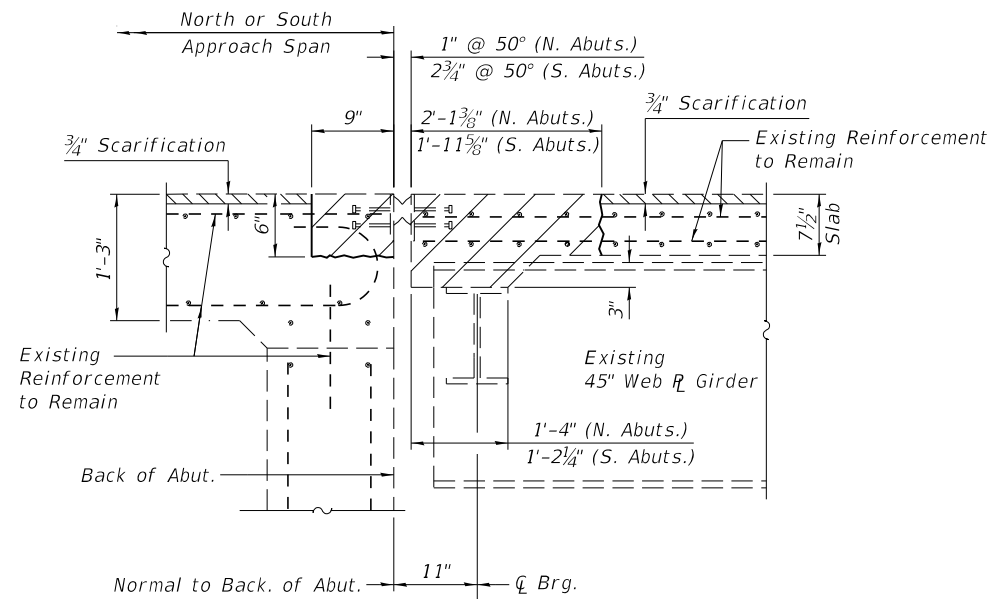
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FILE NAME = \$FILES\$	CHECKED - MDC	REVISED -
PLOT DATE = \$DATE\$	DRAWN - SJS	REVISED -
	CHECKED - MDC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

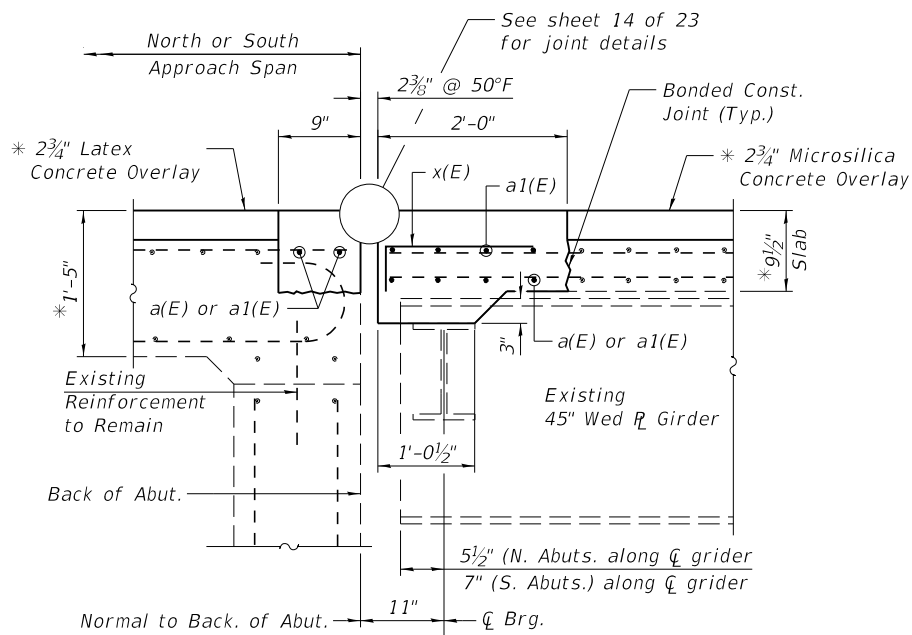
**ABUTMENT "D" JOINT REPLACEMENT DETAILS
STRUCTURE NO. 057-0206 (N.B.)**

SHEET 12 OF 23 SHEETS

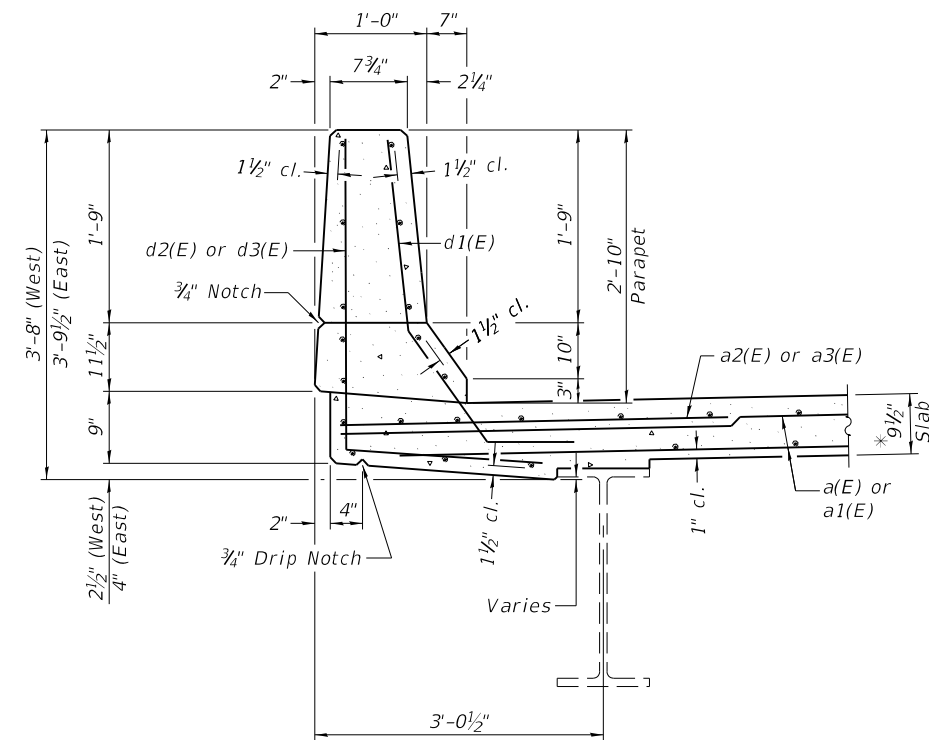
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	86
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				



SECTION THRU JOINT
(Showing Removal)
(Horiz. Dim. at Rt. L's)

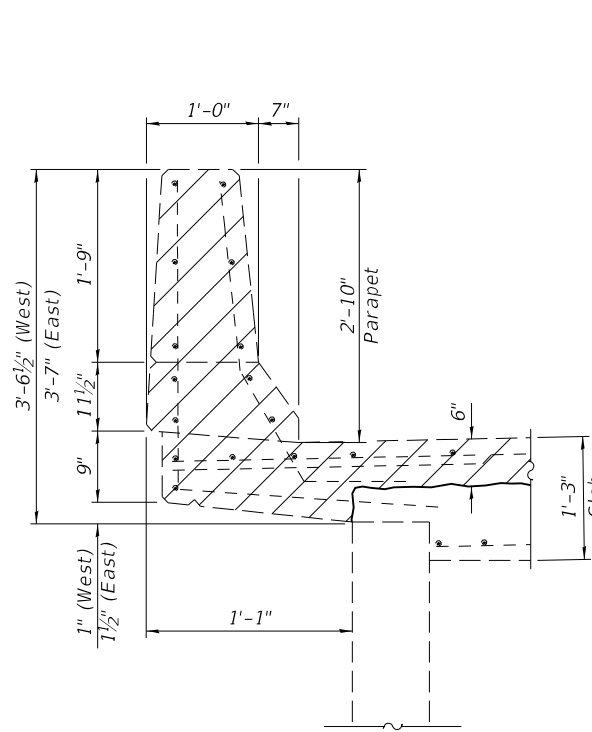


SECTION THRU JOINT
(Showing Proposed)
(Horiz. Dim. at Rt. L's)

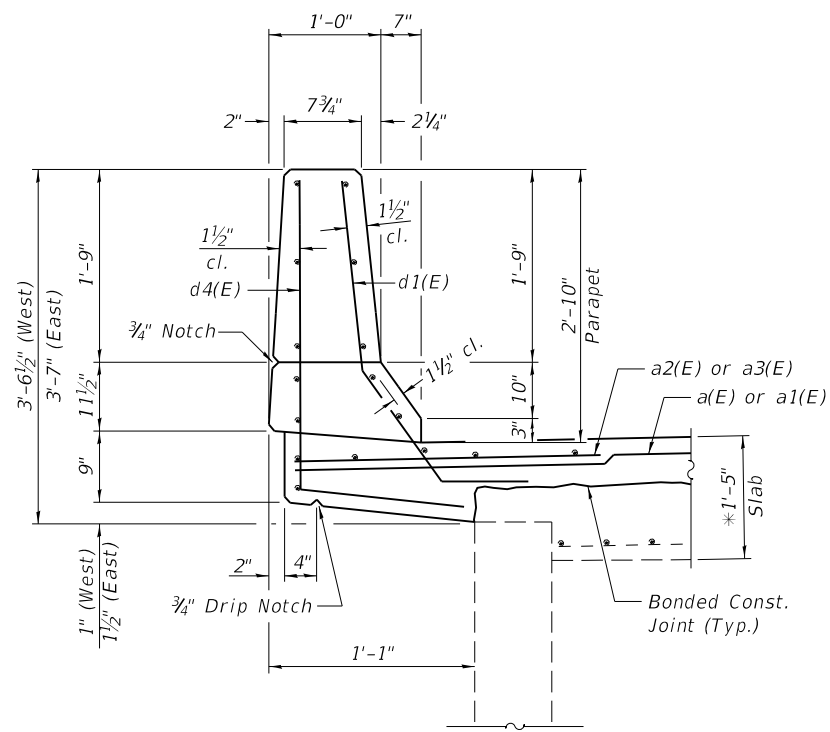


SECTION THRU PARAPET

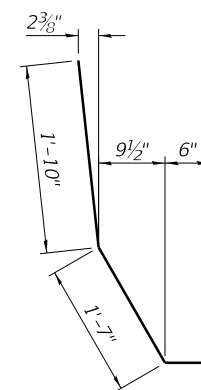
* Prior to Grinding



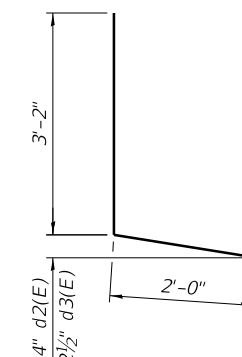
SECTION THRU APPROACH PARAPET
(Showing Removal)



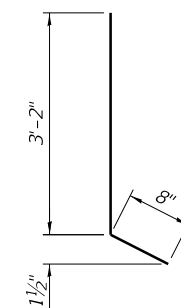
SECTION THRU APPROACH PARAPET
(Showing Proposed)



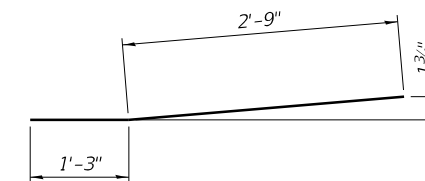
BAR d1(E)



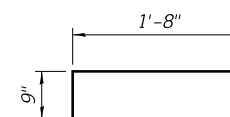
BAR d2(E) & d3(E)



BAR d4(E)



BAR a3(E)



BAR x(E)

TWO SUPERSTRUCTURES
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	40	#5	23'-6"	—
a1(E)	40	#5	19'-5"	—
a2(E)	12	#5	4'-0"	—
a3(E)	12	#5	4'-0"	—
d1(E)	36	#5	3'-11"	L
d2(E)	8	#4	5'-2"	L
d3(E)	12	#4	5'-2"	L
d4(E)	16	#4	3'-10"	L
x(E)	80	#5	2'-5"	—
Reinforcement Bars, Epoxy Coated			Pound	2552
Concrete Superstructure			Cu. Yd.	19.9
Concrete Removal			Cu. Yd.	15.8

Notes:
Hatched areas indicate limits of Concrete Removal.

Existing reinforcement to remain shall be cleaned and incorporated into the new construction. Cost included with Concrete Removal.

Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost included with Concrete removal.

MODEL: \$MODELNAMES
FILE NAME: \$FILES

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Civil and Structural Engineering

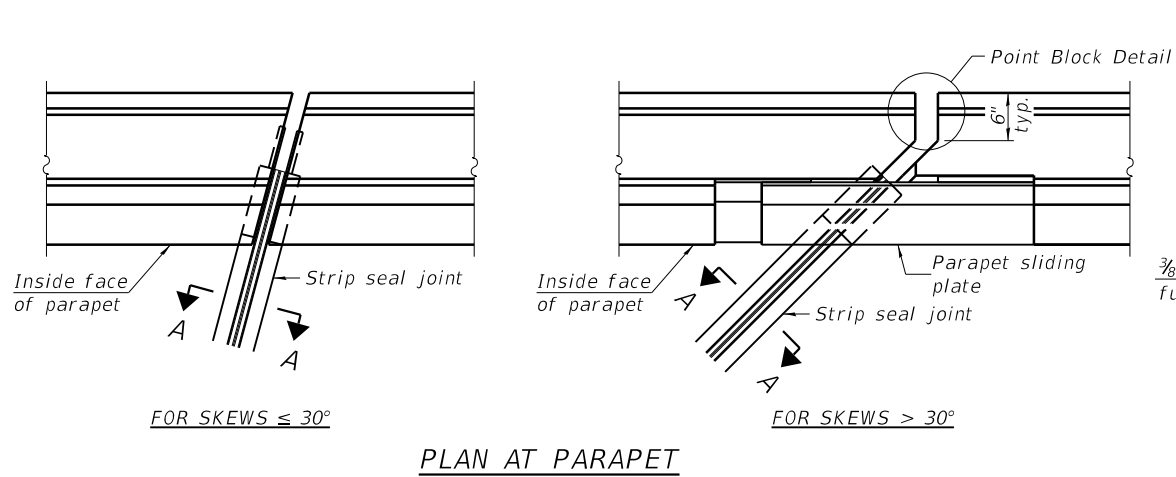
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PLOT DATE = \$DATES\$	DRAWN , SJS	REVISED ,
	CHECKED , MDC	REVISED ,

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

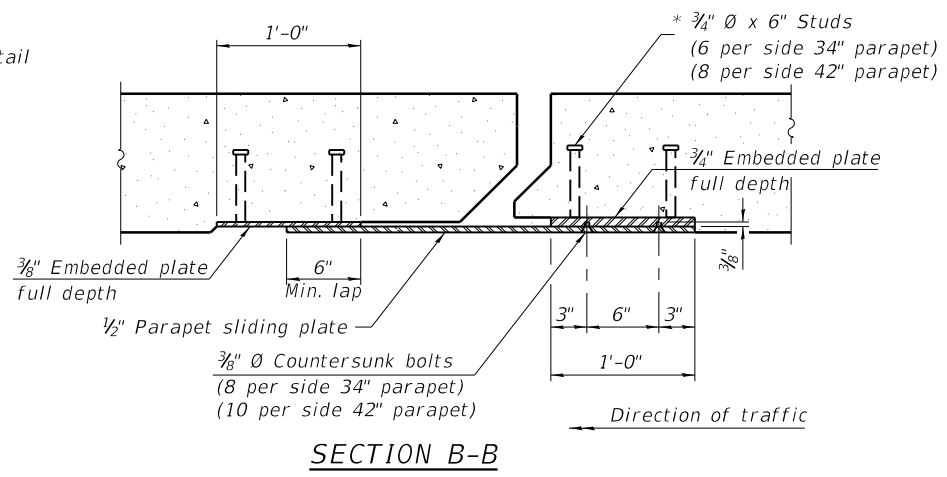
JOINT REPLACEMENT DETAILS
STRUCTURE NO. 057-0205 (N.B.) 057-0206 (S.B.)

SHEET 13 OF 23 SHEETS

F.A.I. (RTE.)	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	87
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

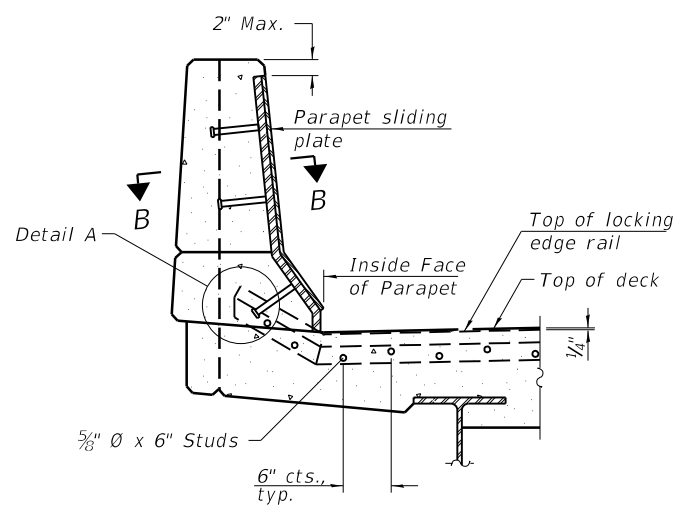


PLAN AT PARAPET



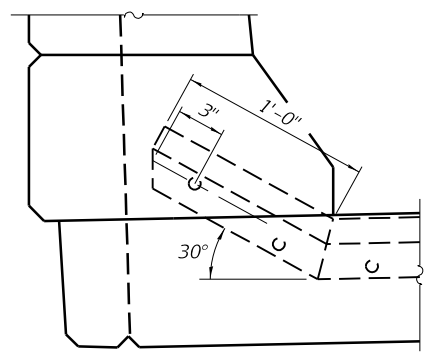
SECTION B-B

Notes:
 The strip seal shall be made continuous and shall have a minimum thickness of 1/4". 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 4 1/2" 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.

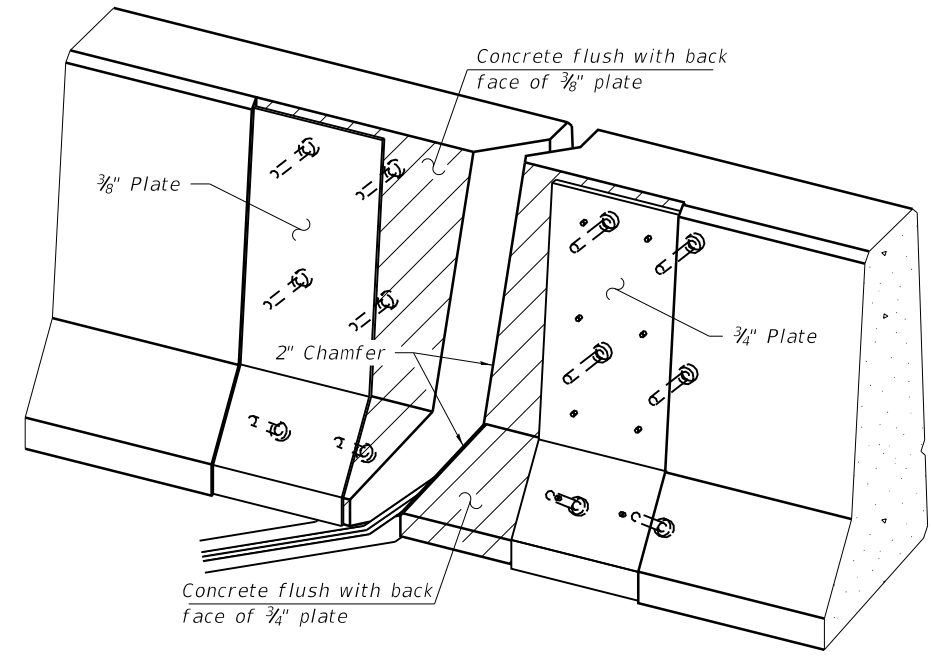


ELEVATION AT PARAPET

(Skews > 30° shown. Skews ≤ 30° similar except as shown in plan view.)

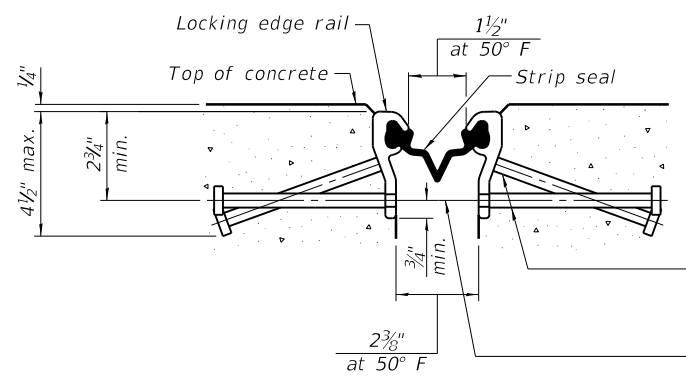


DETAIL A



TRIMETRIC VIEW
 (Showing embedded plates only)

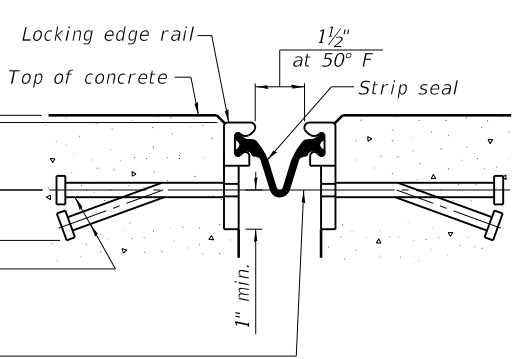
Cost of parapet sliding plates, embedded plates, and anchorage studs included with Preformed Joint Strip Seal.
 34" F-shape barrier shown, 42" F-shape similar as noted.
 The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths 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.



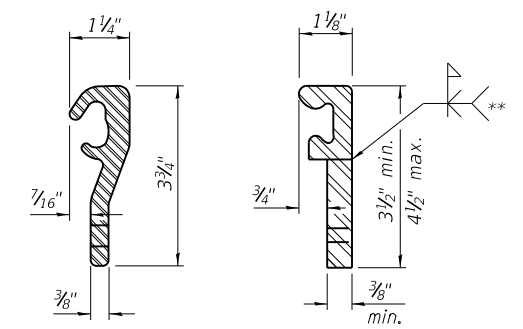
SHOWING ROLLED RAIL JOINT

* 5/8" Ø x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

3/8" Ø threaded rods in 7/16" Ø holes at ±4'-0" cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

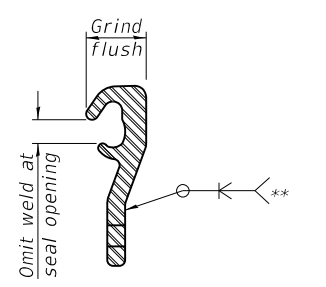


SHOWING WELDED RAIL JOINT



LOCKING EDGE RAILS

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



LOCKING EDGE RAIL SPLICE

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

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	172

MODEL: \$MODELNAMES
 FILE NAME: \$FILES

EJ-SS

8-11-17



JOB = 2596.1
 FILE NAME = \$FILES\$
 PLOT DATE = \$DATE\$

DESIGNED - AAN
 CHECKED - MDC
 DRAWN - SJS
 CHECKED - MDC

SECTION A-A

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

McLEAN COUNTY IMPROVEMENTS

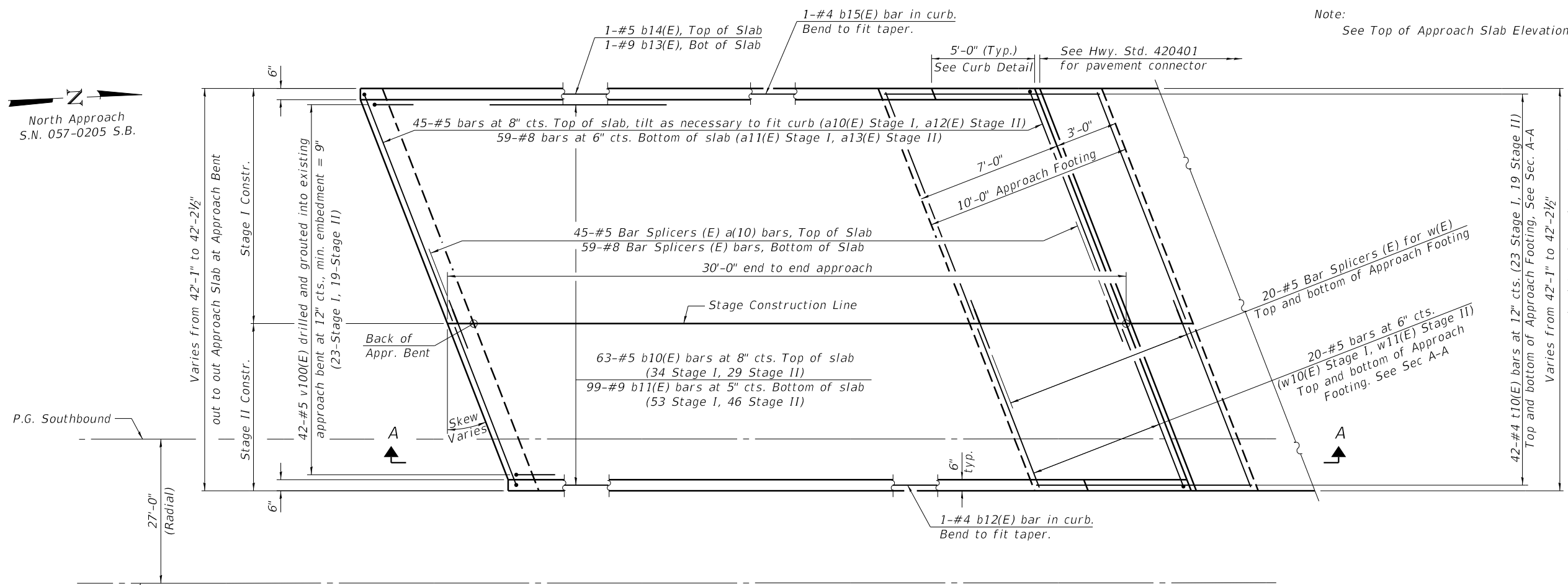
PREFORMED JOINT STRIP SEAL
 STRUCTURE NO. 057-0205 & 0206

SHEET 14 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	88
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

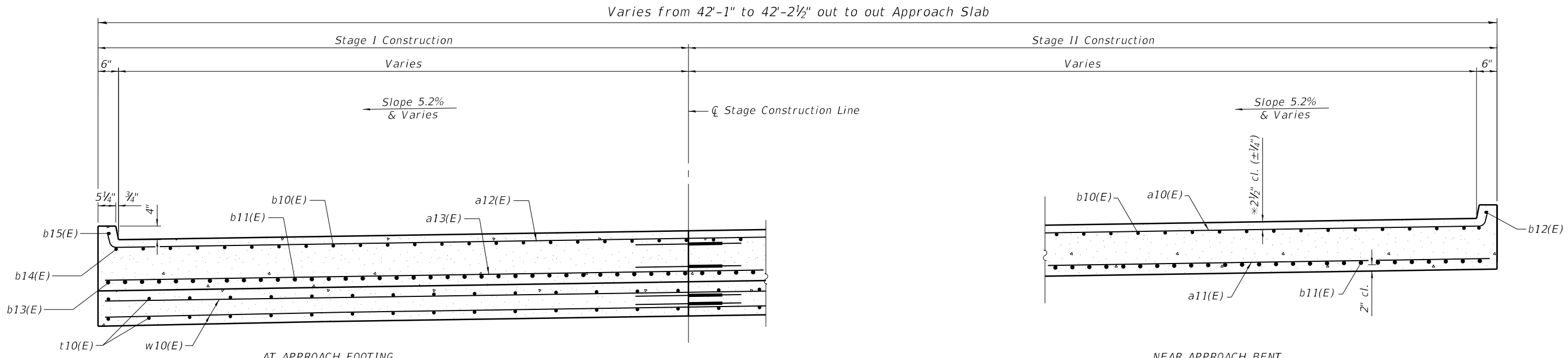
North Approach
S.N. 057-0205 S.B.

Note:
See Top of Approach Slab Elevation Sheets for dimensions not shown



PLAN

(North Approach S.N. 057-0205 S.B. shown, other approaches similar)



CROSS SECTION

(Looking North)
(North Approach S.N. 057-0205 S.B. shown, other approaches similar)

* Prior to Grinding

(Sheet 1 of 2)

MODEL: \$MODEL\$
FILE NAME: \$FILES\$

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Civil and Structural Engineering

JOB = 2596.1	DESIGNED - AAN	REVISED -
FILE NAME = \$FILES\$	CHECKED - MDC	REVISED -
PLOT DATE = \$DATE\$	DRAWN - SJS	REVISED -
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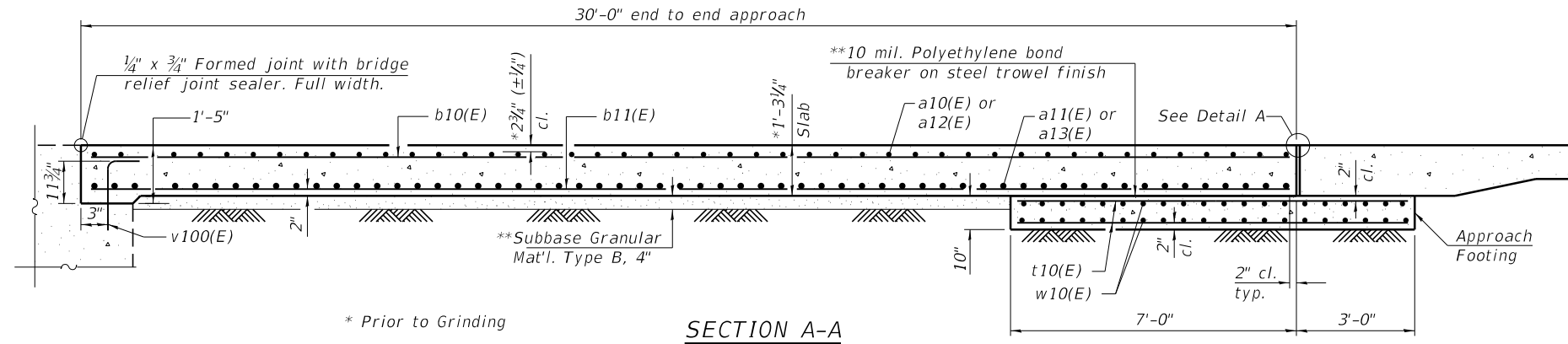
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MODIFIED BRIDGE APPROACH DETAILS
STRUCTURE NO. 057-0205 (S.B.) & 057-0206 (N.B.)

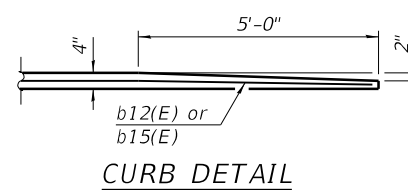
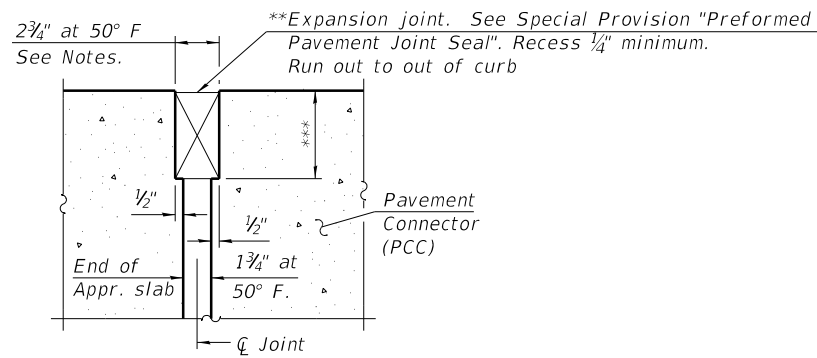
SHEET 15 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	89
CONTRACT NO. 70D65				

ILLINOIS FED. AID PROJECT

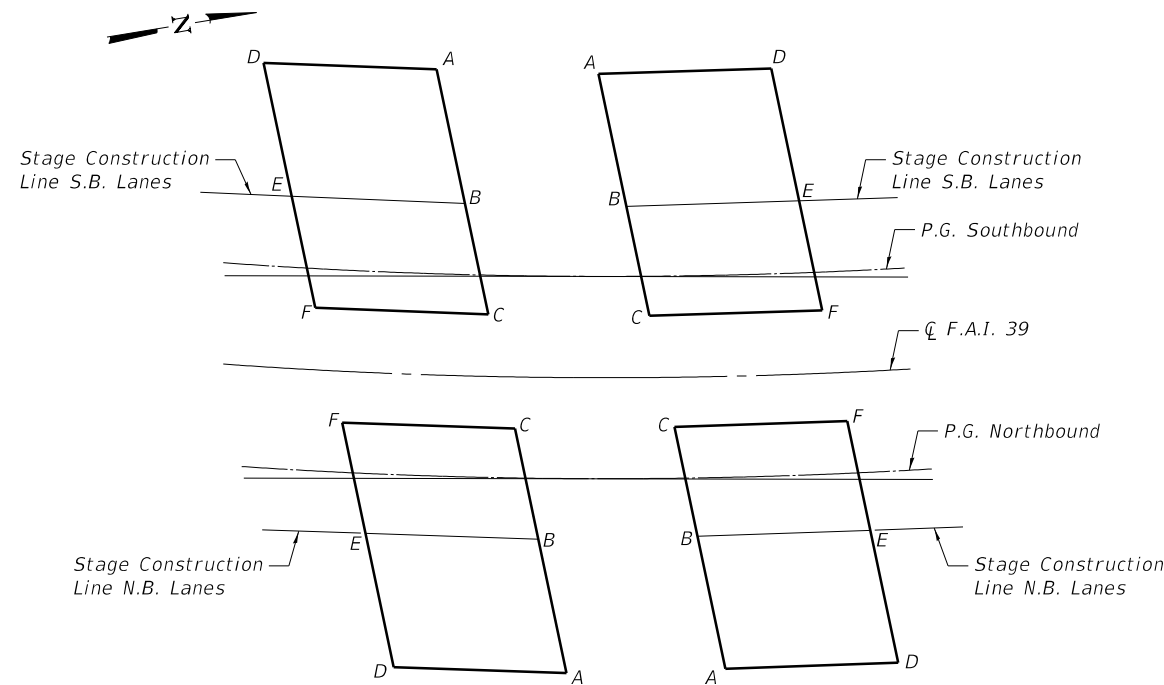


Notes:
 The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.
 Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
 Approach footing concrete shall be paid for as Concrete Structures.
 The approach footing maximum applied service bearing pressure (Q_{max}) = 2.0 ksf.
 Cost of excavation for approach footing included with Concrete Structures.
 All v100(E) bars shall be epoxy grouted in accordance with Section 584 of the Standard Specifications. Minimum embedment = 9". Locate bars to miss existing reinforcement.



DETAIL A
 (@ Rt. L's)

** Cost included with Concrete Superstructure (Approach Slab).
 *** Per manufacturer recommendations



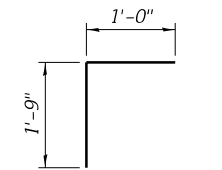
LEGEND FOR APPROACH
 FOOTING ELEVATIONS

S.N. 057-0205 (S.B.)
 TOP AND BOTTOM ELEVATIONS
 FOR APPROACH FOOTING

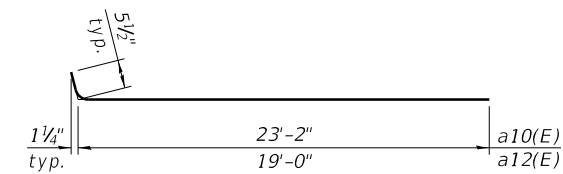
Point	South Approach		North Approach	
	Top	Bottom	Top	Bottom
A	766.63	765.80	762.86	762.03
B	767.30	766.47	763.80	762.97
C	767.92	767.09	764.60	763.77
D	766.81	765.98	762.70	761.87
E	767.44	766.61	763.61	762.78
F	768.00	767.17	764.39	763.56

S.N. 057-0206 (N.B.)
 TOP AND BOTTOM ELEVATIONS
 FOR APPROACH FOOTING

Point	South Approach		North Approach	
	Top	Bottom	Top	Bottom
A	767.50	766.67	763.85	763.02
B	768.00	767.17	764.82	763.99
C	766.92	766.09	765.78	764.95
D	767.67	766.84	763.67	762.84
E	768.08	767.25	764.63	763.80
F	766.03	765.20	765.56	764.73



BAR v100(E)



BAR a10(E) & a12(E)

FOUR APPROACHES
 BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
a10(E)	180	#5	23'-7"	—	
a11(E)	236	#8	23'-2"	—	
a12(E)	180	#5	19'-5"	—	
a13(E)	236	#8	19'-0"	—	
b10(E)	252	#5	29'-8"	—	
b11(E)	396	#9	29'-8"	—	
b12(E)	4	#4	29'-8"	—	
b13(E)	4	#9	29'-0"	—	
b14(E)	4	#5	29'-0"	—	
b15(E)	4	#4	29'-0"	—	
t10(E)	336	#4	9'-10"	—	
w10(E)	160	#5	23'-2"	—	
w11(E)	160	#5	19'-0"	—	
v100(E)	168	#5	2'-9"	┌	
Concrete Superstructure (Approach Slab)				Cu. Yd.	241.2
Concrete Structures				Cu. Yd.	54.0
Reinforcement Bars, Epoxy Coated				Pound	92,790

(Sheet 2 of 2)

MODEL: \$MODELNAMES
 FILE NAME: \$FILES

CEC Cummins
 Engineering
 Corporation
 Civil and Structural Engineering

JOB = 2596.1
 FILE NAME = \$FILES\$
 PLOT DATE = \$DATE\$

DESIGNED - AAN
 CHECKED - MDC
 DRAWN - SJS
 CHECKED - MDC

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

MODIFIED BRIDGE APPROACH SLAB DETAILS
 STRUCTURE NO. 057-0205 (S.B.) & 0206 (N.B.)

SHEET 16 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	90
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

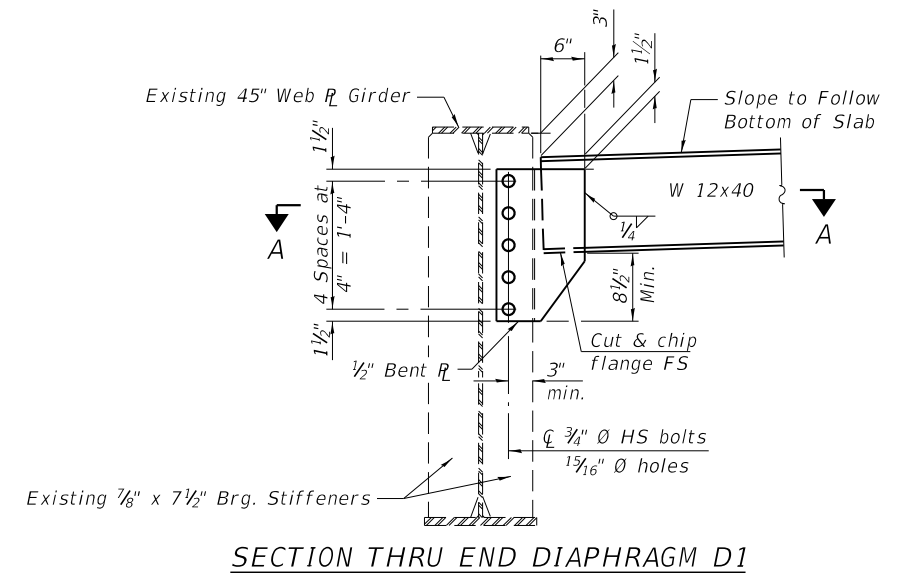
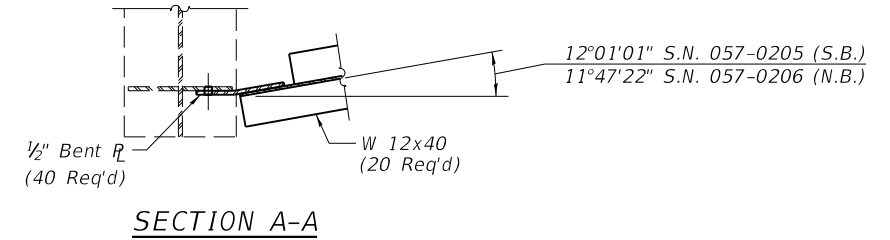
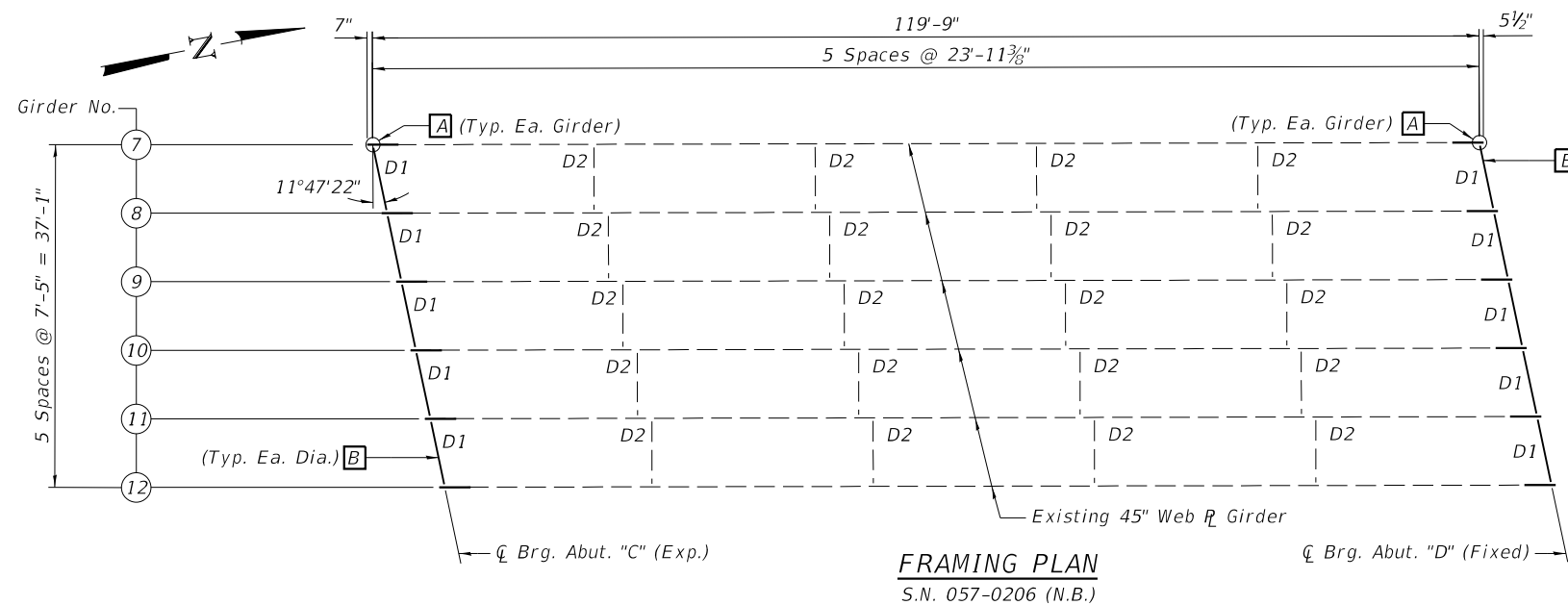
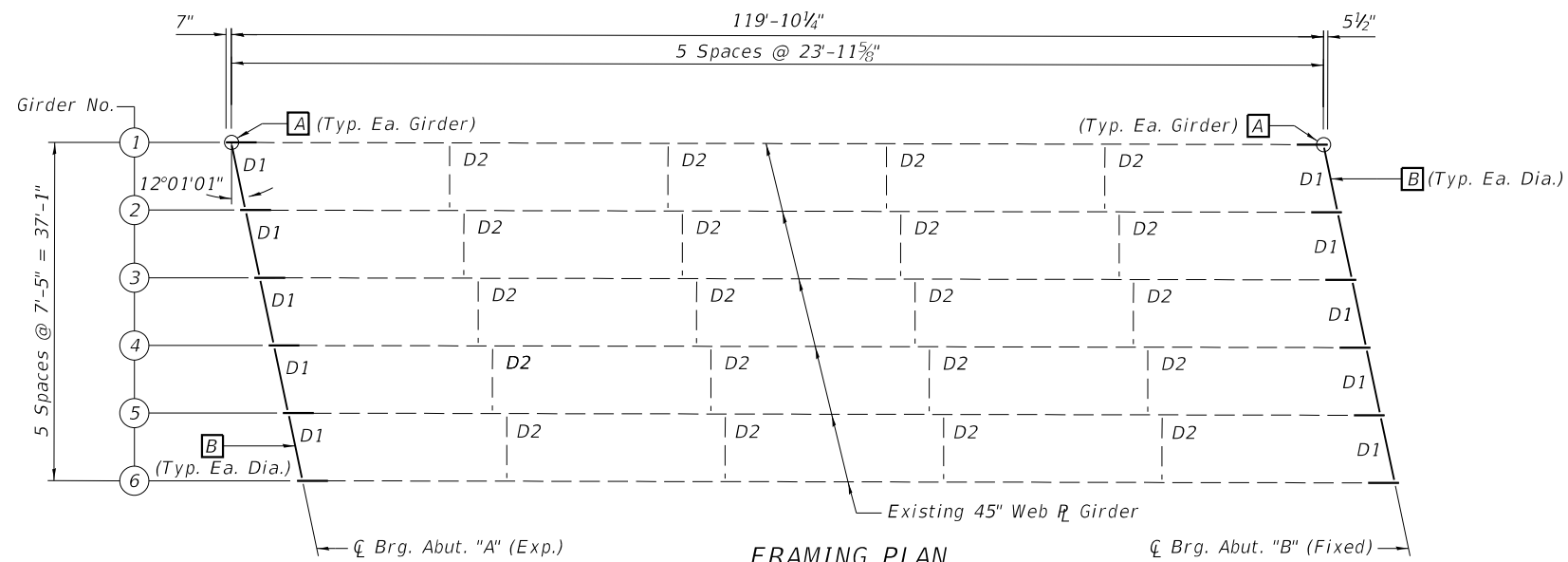


PLATE GIRDER REPAIR NOTES:

- A** - Structural steel repair and bearing replacement
- B** - Remove and replace end diaphragms

NOTES

- All structural steel shall conform to AASHTO Classification M-270 Gr. 50, unless otherwise noted.
- Fasteners shall be high strength bolts. Bolts 3/4" ⌀, open holes 1 3/16" ⌀, unless otherwise noted.
- Diaphragm connection holes shall be 1 5/16" ⌀ holes for 3/4" ⌀ HS bolts. Two hardened washers shall be required at diaphragm connection R's.
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".
- All new structural steel and bearing assemblies shall be hot-dipped galvanized. See Special Provision for "Hot-Dip Galvanizing for Structural Steel".

BOLT HOLE LEGEND

- - Field drill holes in new steel using existing steel as template
- - Shop drill holes in new steel. Use new steel as template to field drill holes in existing steel.

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Structural Steel Repair	Pound	8460
Structural Steel Removal	Pound	6010
Furnishing and Erecting Structural Steel	Pound	6160

MODEL: \$MODELNAME\$
FILE NAME: \$FILES\$

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Civil and Structural Engineering

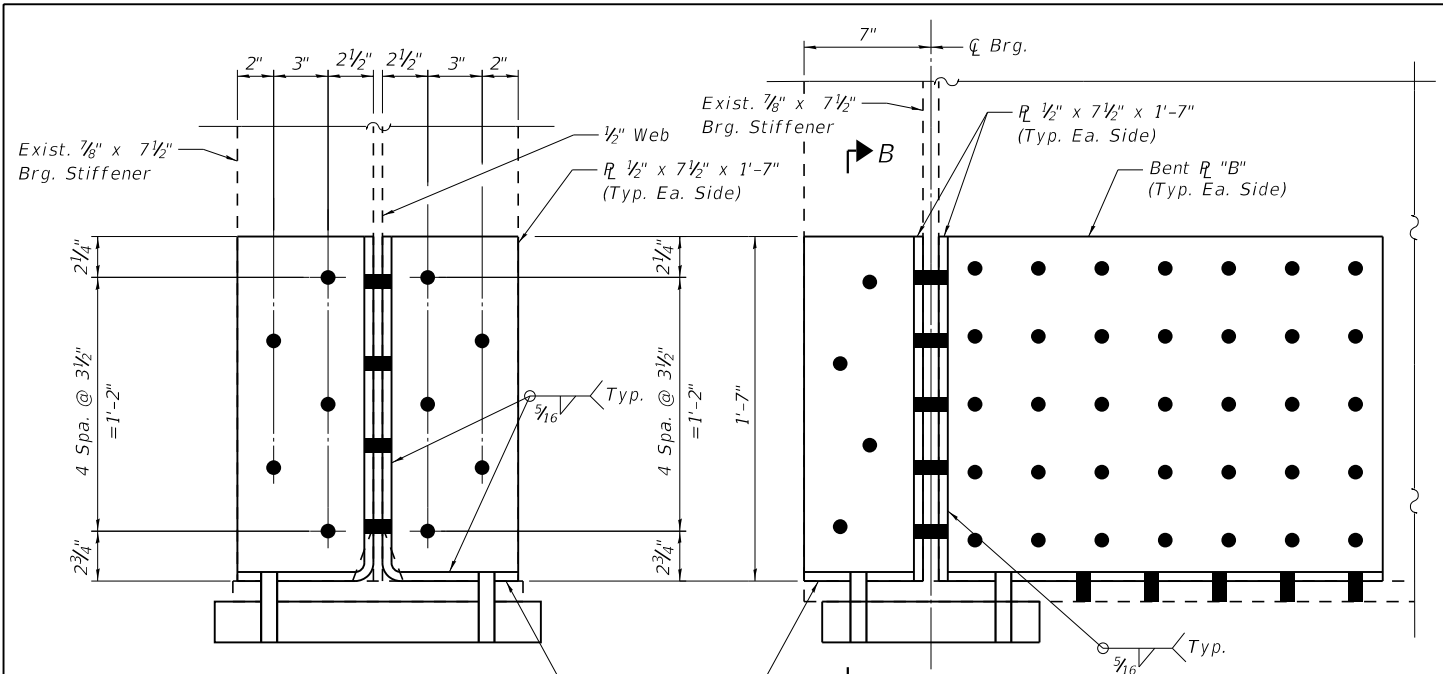
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	CHECKED - MDC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL
STRUCTURE NO. 057-0205 (S.B.) & 0206 (N.B.)

SHEET 17 OF 23 SHEETS

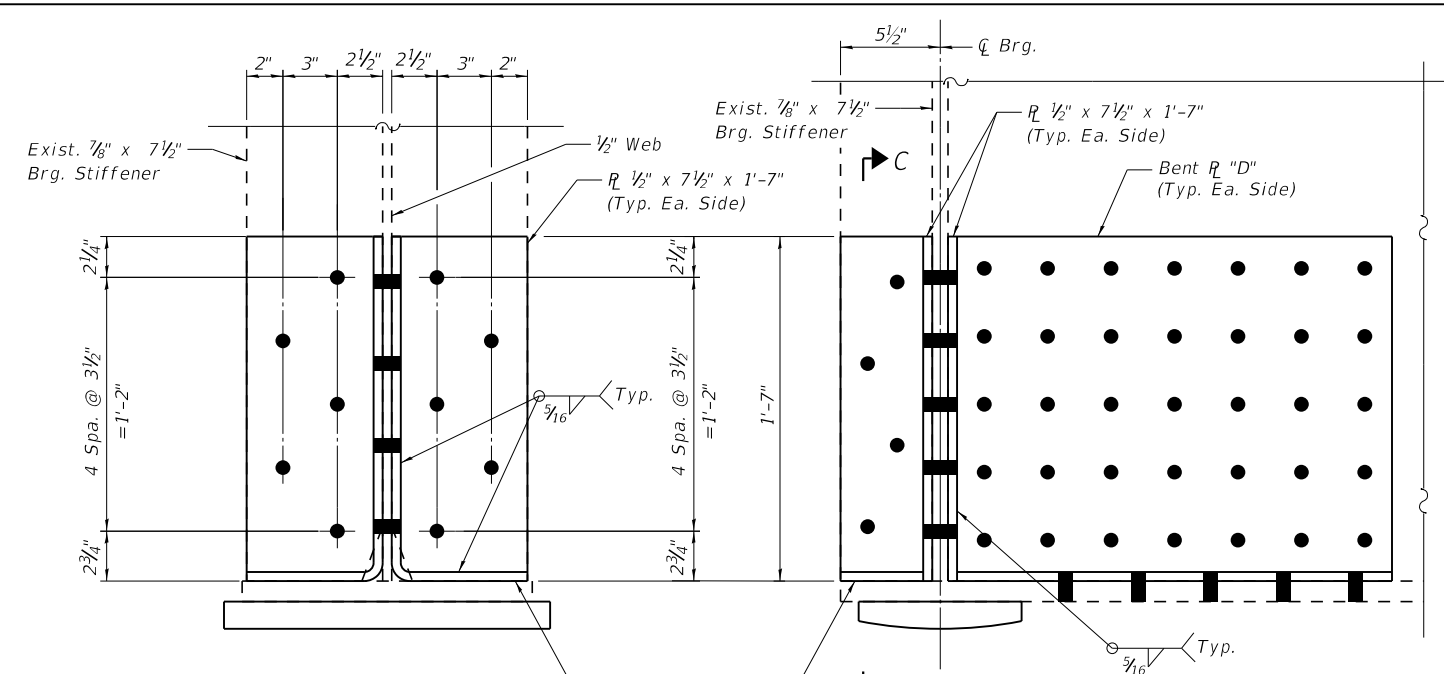
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	91
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				



SECTION B-B

Bent R "A"
(Typ. Ea. Side)

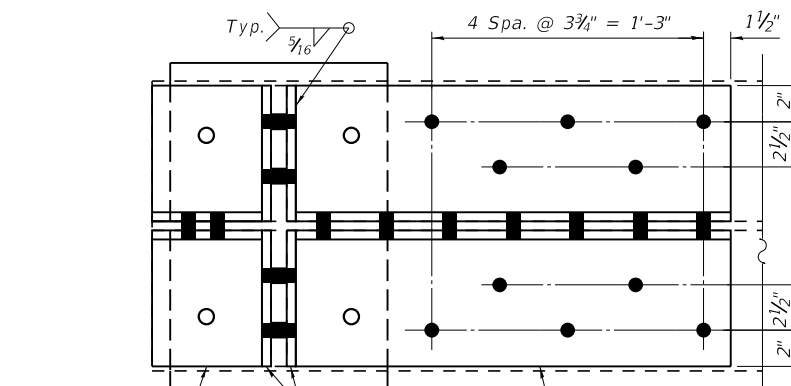
ELEVATION
AT EXPANSION BEARINGS



SECTION C-C

Bent R "C"
(Typ. Ea. Side)

ELEVATION
AT FIXED BEARINGS



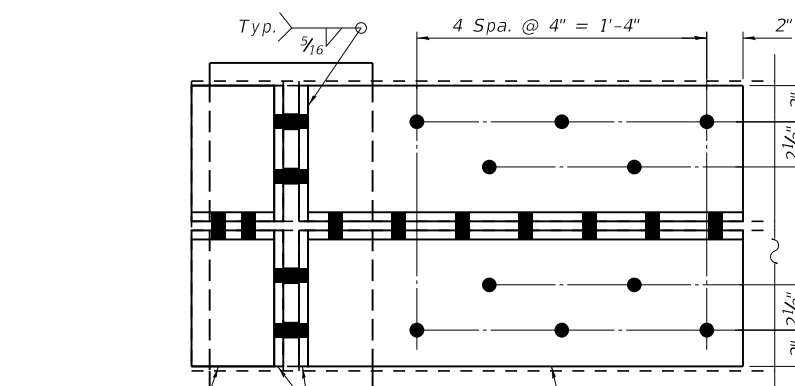
Bent R "A"
(Typ. Ea. Side)

R 1/2" x 7 1/2" x 1'-7"
48 required
(Typ. Ea. Side)

Bent R "B"
(Typ. Ea. Side)

PLAN
AT EXPANSION BEARINGS

- BOLT HOLE LEGEND**
- - Field drill holes in new steel using existing steel as template
 - - Shop drill holes in new steel. Use new steel as template to field drill holes in existing steel.



Bent R "C"
(Typ. Ea. Side)

R 1/2" x 7 1/2" x 1'-7"
48 required
(Typ. Ea. Side)

Bent R "D"
(Typ. Ea. Side)

PLAN
AT FIXED BEARINGS

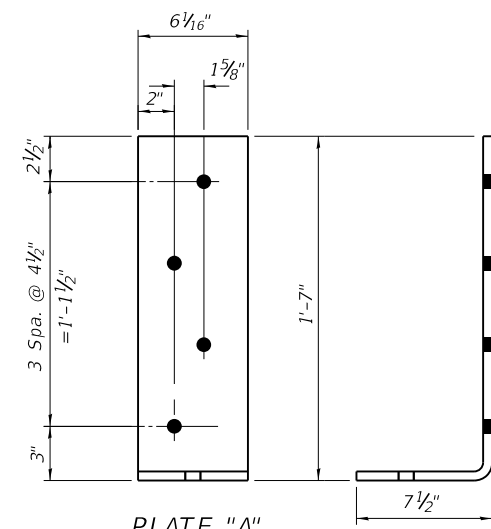


PLATE "A"

Bent R 1/2" x 6 1/16" x 2'-2 1/2" long
(24 Required)

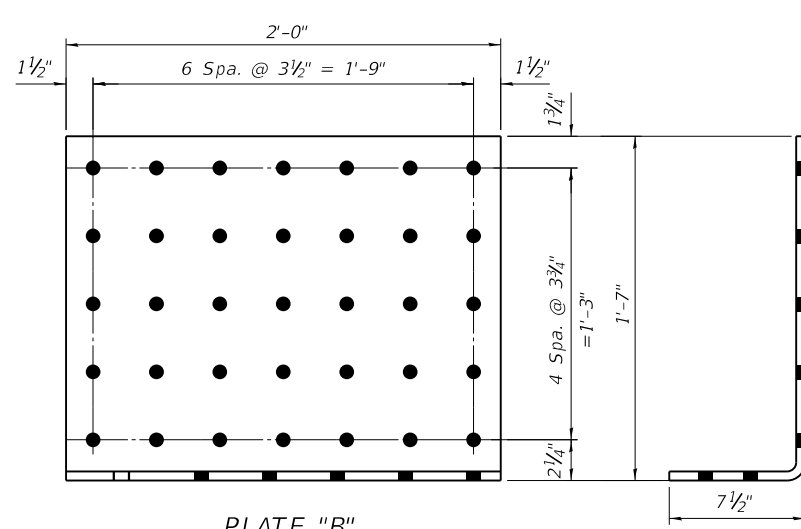


PLATE "B"

Bent R 1/2" x 2'-0" x 2'-2 1/2" long
(24 Required)

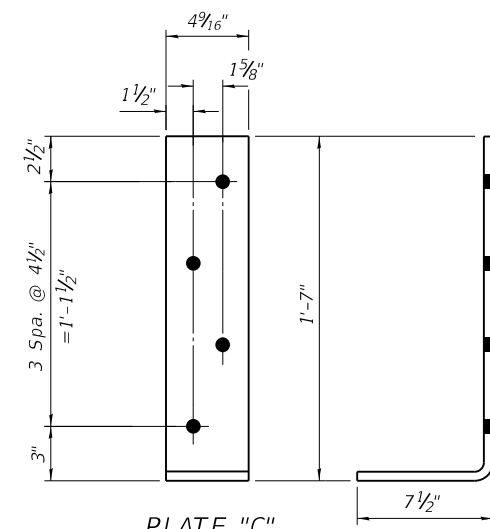


PLATE "C"

Bent R 1/2" x 4 9/16" x 2'-2 1/2" long
(24 Required)

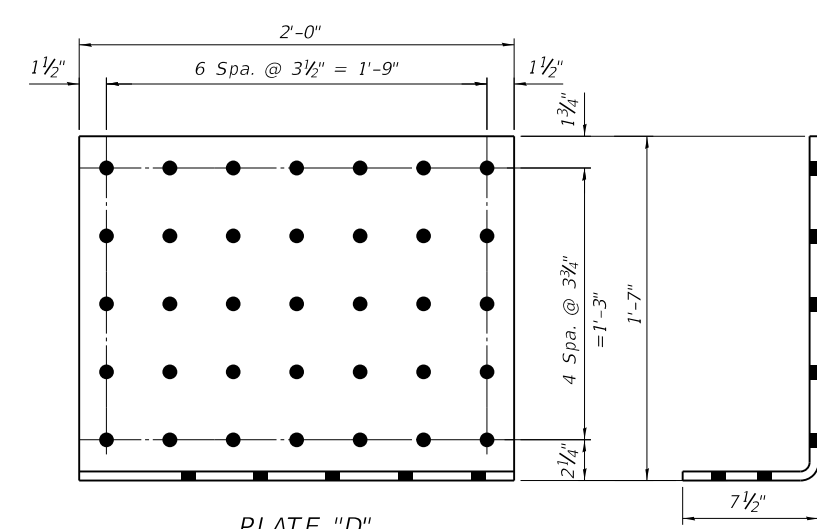


PLATE "D"

Bent R 1/2" x 2'-0" x 2'-2 1/2" long
(24 Required)

MODEL: Default
FILE NAME: 057-0205_0206-70D65-00-SteelRepairs.dgn



JOB	2596.1
FILE NAME	057-0205_0206-70D65-00-SteelRepairs.dgn
PLOT DATE	1/30/2020

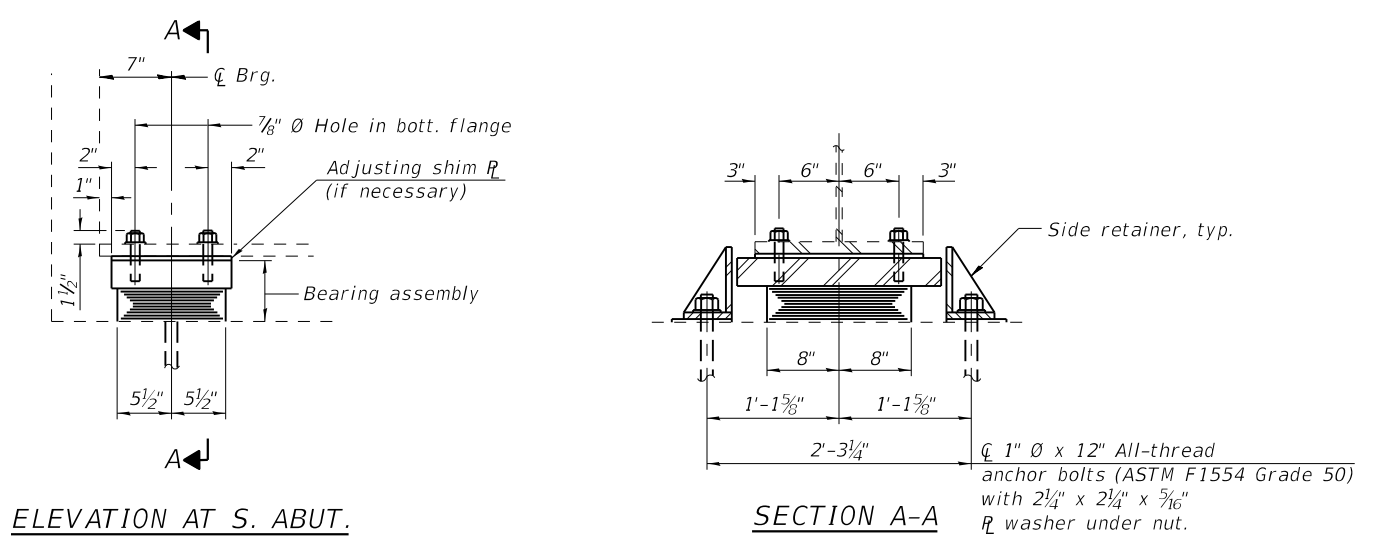
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DRAWN	SJS
CHECKED	MDC
REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL
STRUCTURE NO. 057-0205 (S.B.) & 0206 (N.B.)

SHEET 18 OF 23 SHEETS

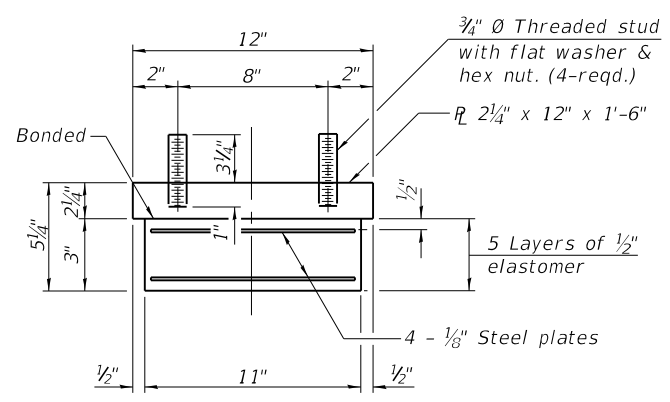
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	92
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				



ELEVATION AT S. ABUT.

SECTION A-A

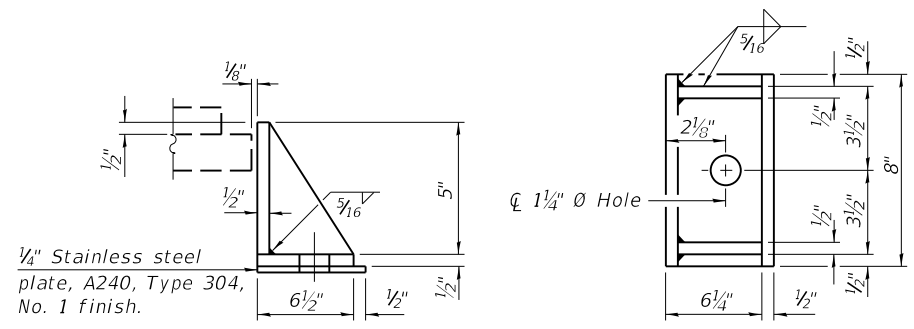
TYPE I ELASTOMERIC EXP. BRG. AT SOUTH ABUTMENTS



BEARING ASSEMBLY

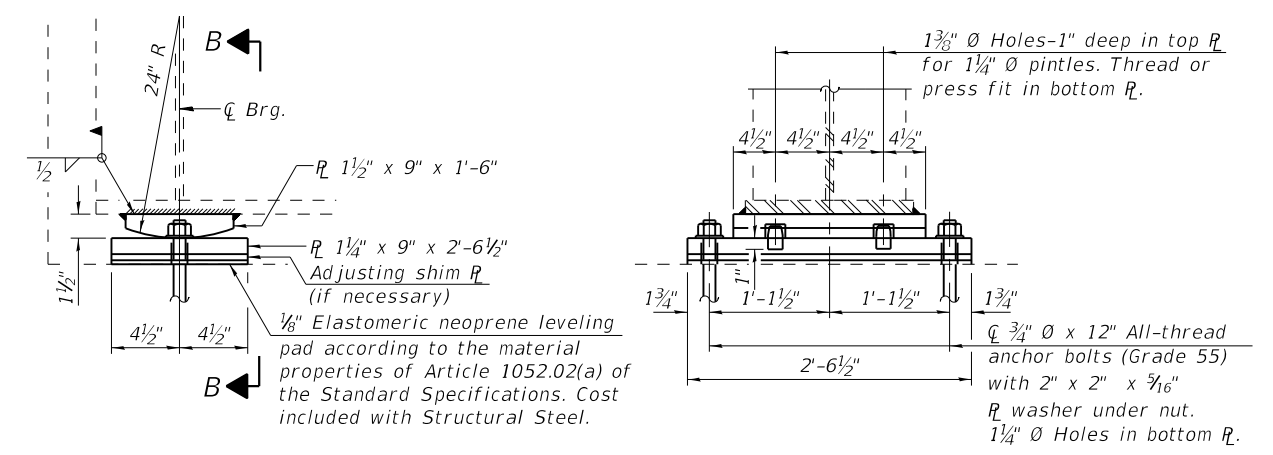
Note:
Shim plates shall not be placed under bearing assembly.

Notes:
Side retainers and stainless steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I.
New shim plates and connections bolts are included with Furnishing and Erecting Structural Steel.
Prior to ordering any material the contractor shall verify in the field all bearing height and shim thickness dimensions. Adjustment must account for deck heave due to pack rust (if present).
Min. jack capacity - 67 Tons.
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 50 (Fy=50ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.
All new structural steel shall be hot-dipped galvanized. See Special Provision for "Hot-Dip Galvanizing for Structural Steel".



SIDE RETAINER

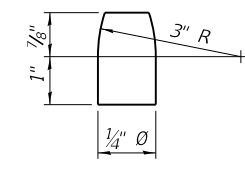
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



ELEVATION AT N. ABUT.

SECTION B-B

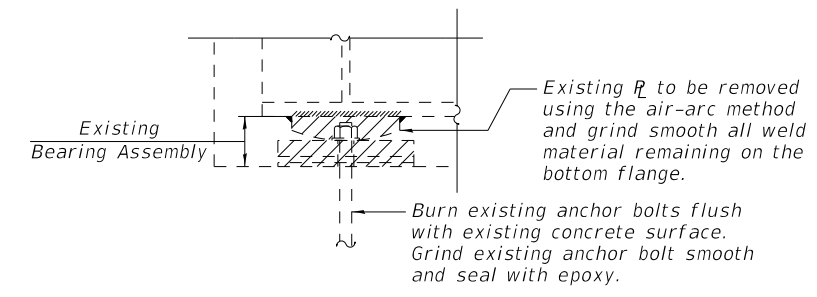
FIXED BEARING AT NORTH ABUTMENTS



PINTLE

BEAM REACTIONS

R ₀	(k)	73.8
R ₁	(k)	49.7
Imp.	(k)	10.1
R _{Total}	(k)	133.6



EXISTING BEARING REMOVAL DETAIL

Cost included with Jack and remove Existing Bearings.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	12
Anchor Bolts 1"	Each	24
Anchor Bolts 3/4"	Each	24
Jack and Remove Existing Bearings	Each	24
Furnishing and Erecting Structural Steel	Pound	2170

MODEL: \$MODELNAMES
FILE NAME: \$FILES

I-2E-1

6-15-2019



JOB =	2596.1
FILE NAME =	\$FILESS
PLOT DATE =	\$DATES

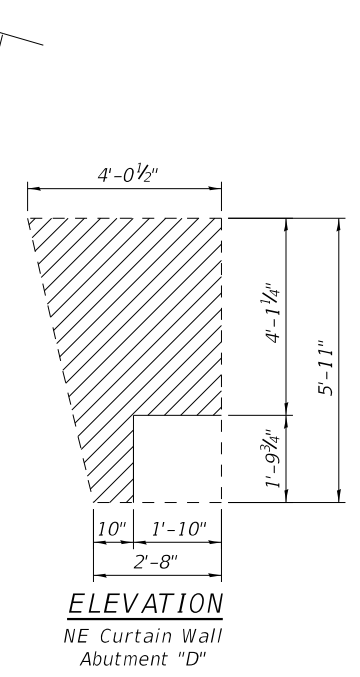
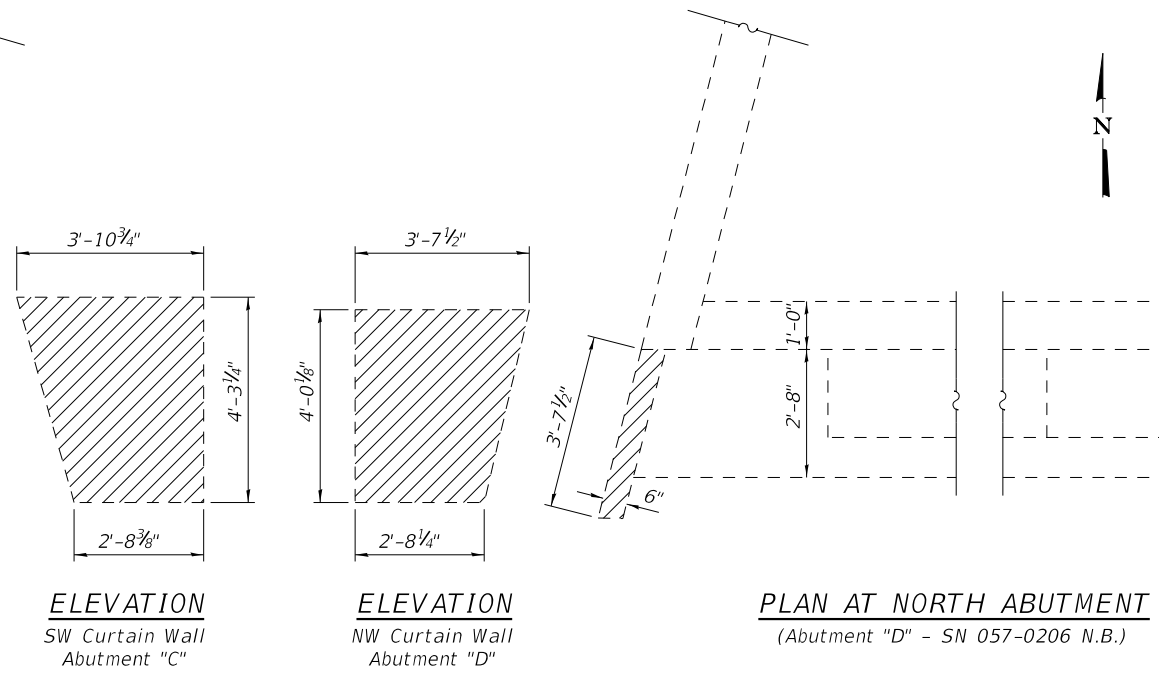
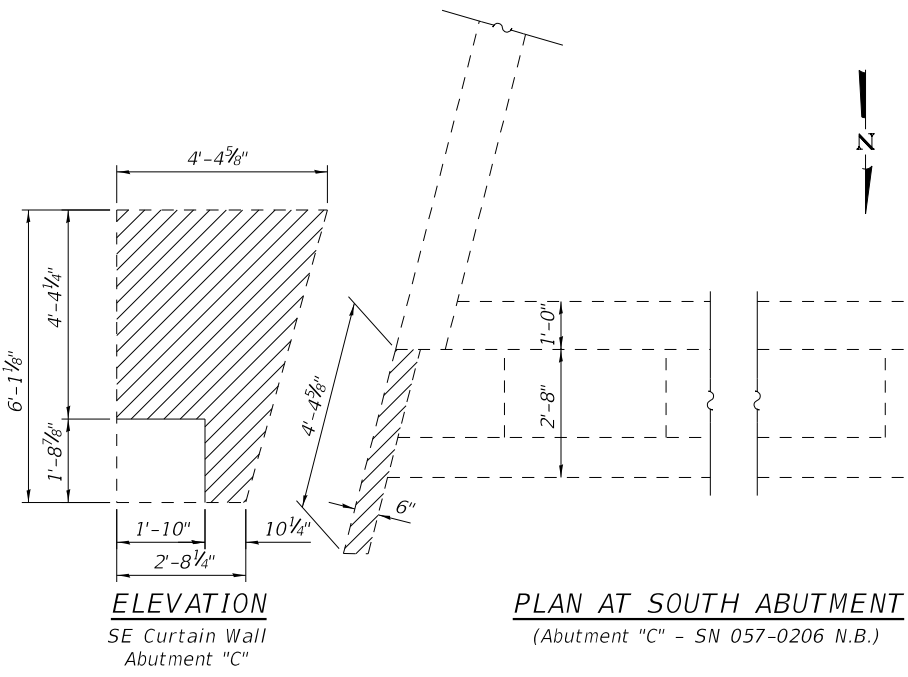
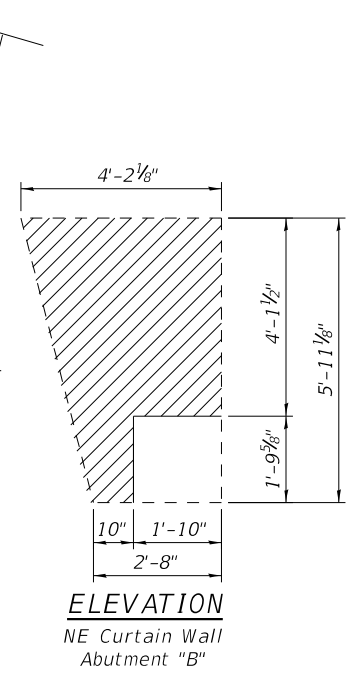
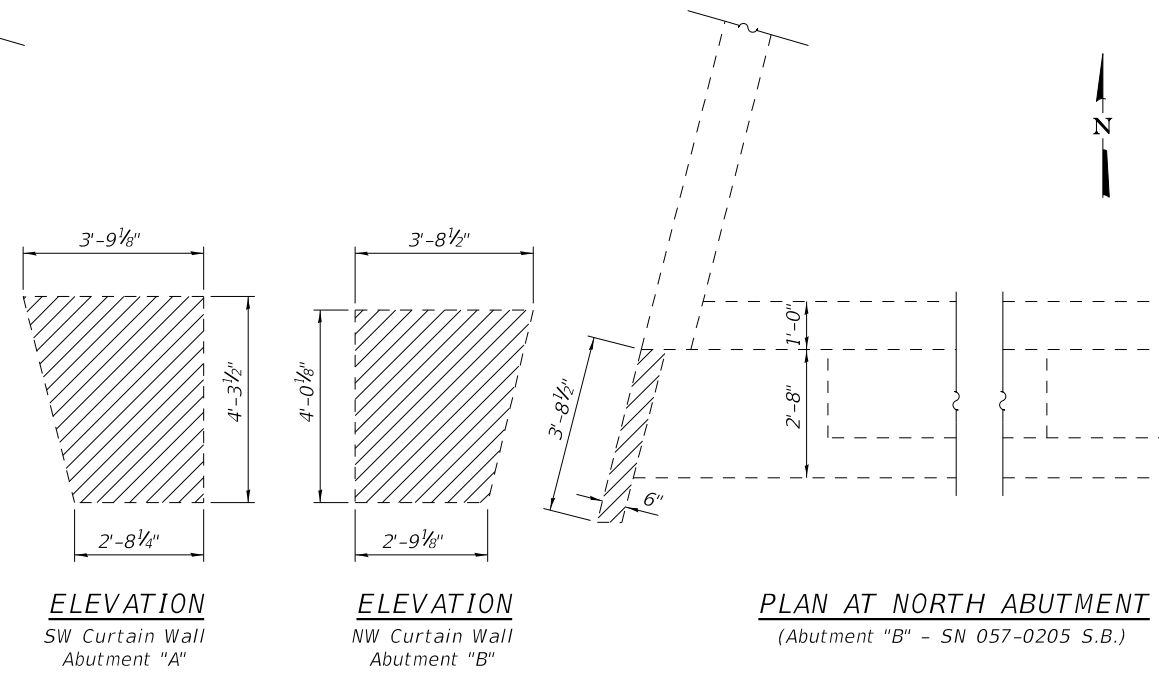
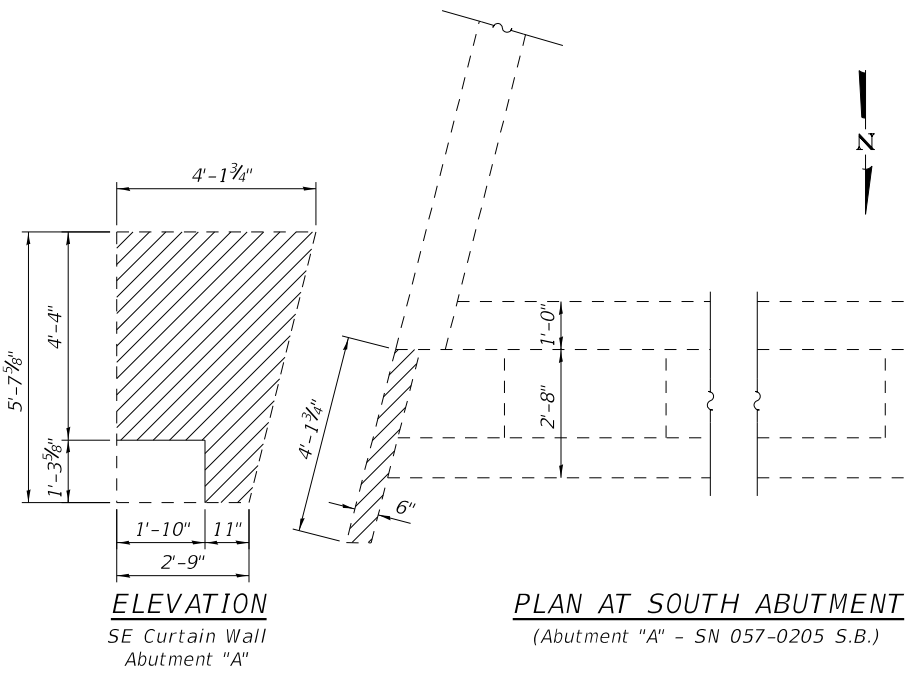
DESIGNED -	AAN	REVISED -	
CHECKED -	MDC	REVISED -	
DRAWN -	SJS	REVISED -	
CHECKED -	MDC	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEARING DETAILS
STRUCTURE NO. 057-0205 (S.B.) & 0206 (N.B.)

SHEET 19 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	93
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				



Notes:
Existing reinforcement shall be cut off flush with abutment and sealed with epoxy. Cost included with Concrete Removal.
Hatched areas indicate limits of Concrete Removal.

BILL OF MATERIAL

Item	Unit	Total
Concrete Removal	Cu. Yd.	2.3

MODEL: \$MODELNAME\$
FILE NAME: \$FILEL\$



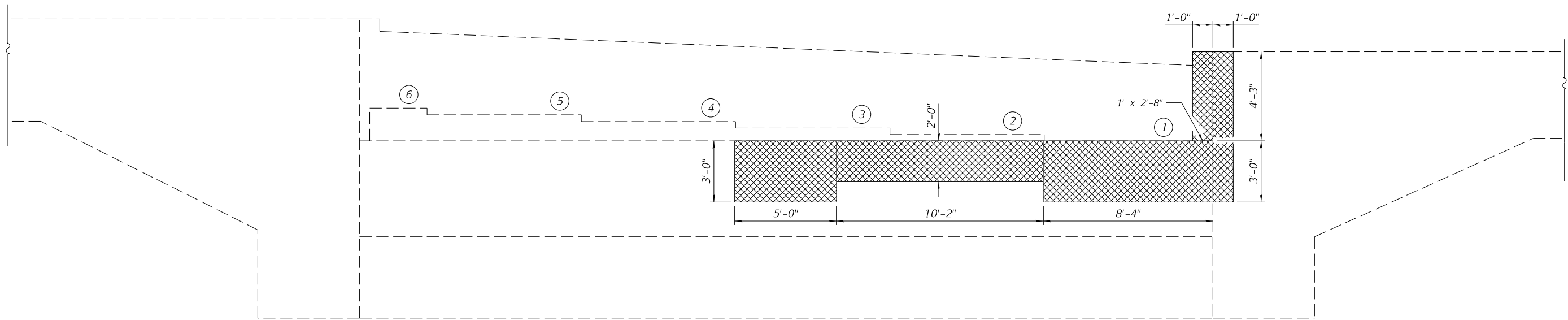
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PLOT DATE = \$DATE\$	DRAWN - SJS	REVISED -
	CHECKED - MDC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

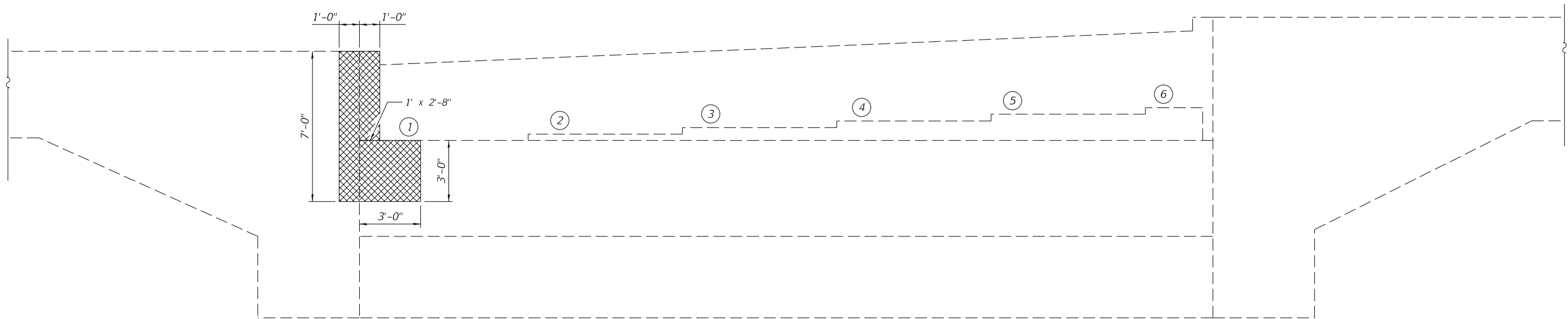
CURTAIN WALL CONCRETE REMOVAL
STRUCTURE NO. 057-0205 (S.B.) & 0206 (N.B.)

SHEET 20 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	94
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

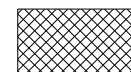


ELEVATION - ABUTMENT "A"
 South Abutment S.N. 057-0205 S.B.
 (Looking South)



ELEVATION - ABUTMENT "B"
 North Abutment S.N. 057-0205 S.B.
 (Looking North)

LEGEND

 Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	98

Notes:
 For curtain wall concrete removal see sheet 20 of 23.
 Visual inspection completed 3-15-19. The R.E. should sound the abutments to confirm repair locations of Structural Repair of Concrete.

MODEL: \$MODELNAME\$
 FILE NAME: \$FILELS\$

CEC Cummins
 Engineering
 Corporation
 Civil and Structural Engineering

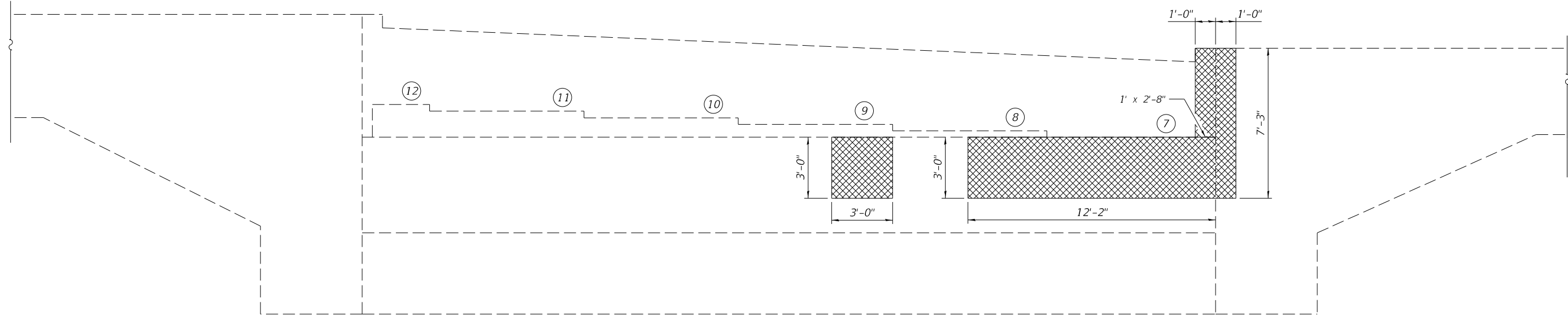
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PLOT DATE = \$DATE\$	DRAWN - SJS	REVISED -
	CHECKED - MDC	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

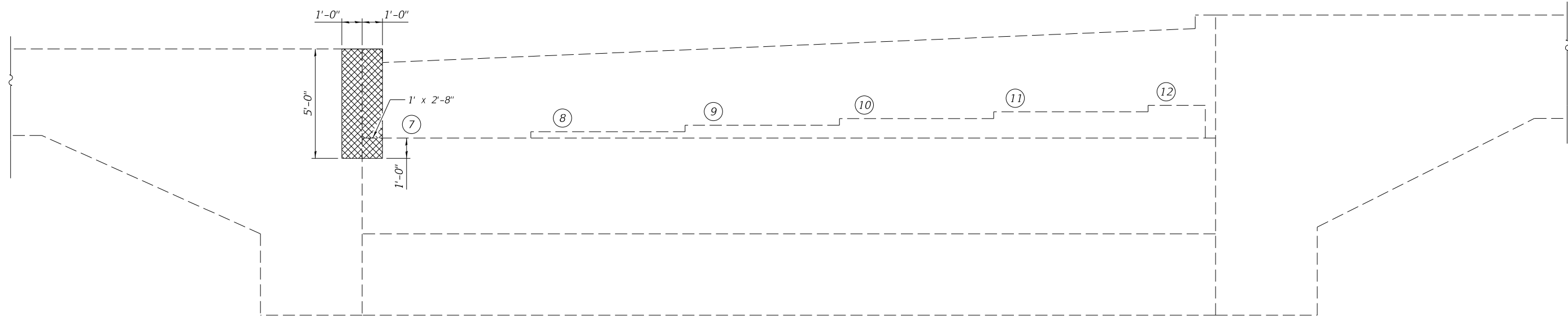
ABUTMENT REPAIR DETAILS
 STRUCTURE NO. 057-0205 (S.B.)

SHEET 21 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	95
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				



ELEVATION - ABUTMENT "C"
 South Abutment S.N. 057-0206 N.B.
 (Looking South)



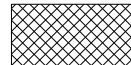
ELEVATION - ABUTMENT "D"
 North Abutment S.N. 057-0206 N.B.
 (Looking North)

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	73

Notes:
 For curtain wall concrete removal see sheet 20 of 23.
 Visual inspection completed 3-15-19. The R.E. should sound the abutments to confirm repair locations of Structural Repair of Concrete.

LEGEND

 Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ABUTMENT REPAIR DETAILS
STRUCTURE NO. 057-0206 (N.B.)

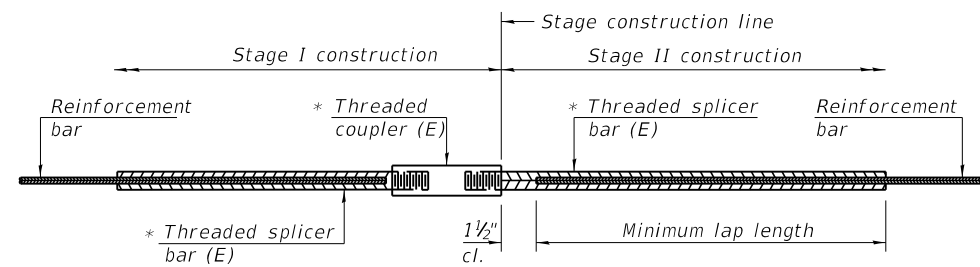
SHEET 22 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	96
CONTRACT NO. 70D65				
ILLINOIS FED. AID PROJECT				

MODEL: \$MODELNAMES
 FILE NAME: \$FILES

CEC Cummins
 Engineering
 Corporation
 Civil and Structural Engineering

JOB = 2596.1	DESIGNED - AAN	REVISED -
FILE NAME = \$FILES\$	CHECKED - MDC	REVISED -
PLOT DATE = \$DATE\$	DRAWN - SJS	REVISED -
	CHECKED - MDC	REVISED -

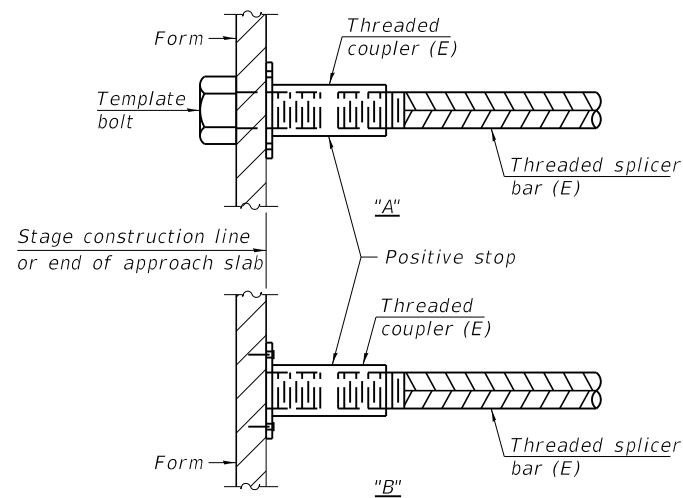


STANDARD BAR SPLICER ASSEMBLY

Threaded splicer bar length = min. lap length + 1/2" + thread length

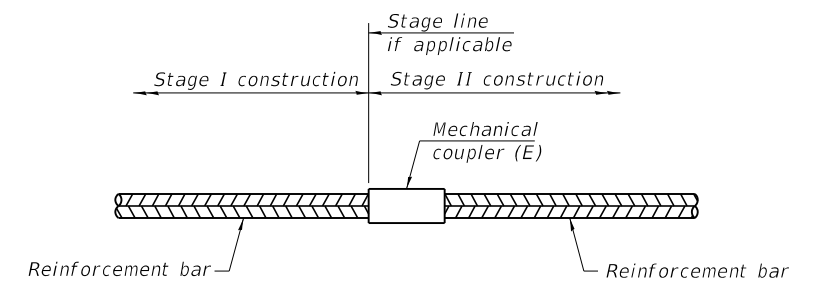
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Deck	#5	32	3'-4"
Hatch Block	#5	8	3'-4"
Appr. Slab - Top	#5	180	3'-4"
Appr. Slab - bottom	#8	236	4'-9"
Appr. Footing	#5	160	3'-1"



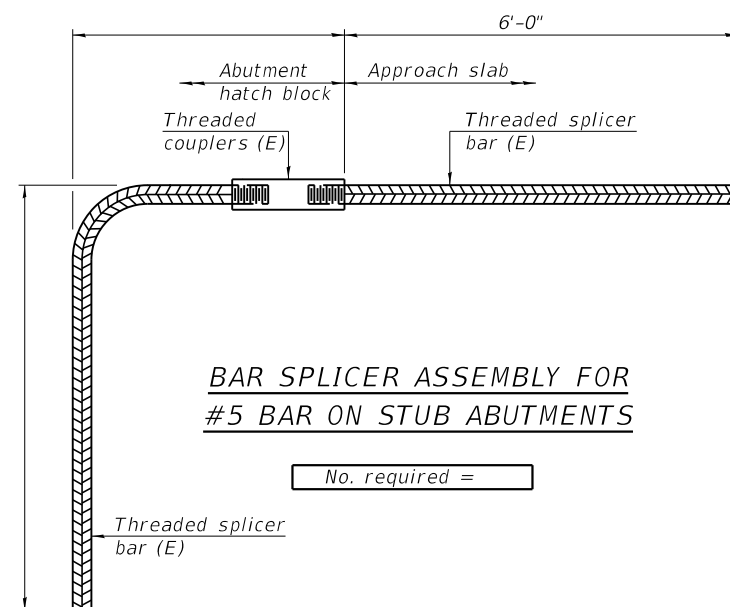
INSTALLATION AND SETTING METHODS

"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.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

MODEL: \$MODELNAME\$
 FILE NAME: \$FILES\$

BSD-1

2-17-2017



JOB = 2596.1	DESIGNED - AAN	REVISED -
FILE NAME = \$FILES\$	CHECKED - MDC	REVISED -
PLOT DATE = \$DATE\$	DRAWN - SJS	REVISED -
	CHECKED - MDC	REVISED -

McLEAN COUNTY IMPROVEMENTS

**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 STRUCTURE NO. 057-0205 & 0206**

SHEET 23 OF 23 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	(57-3B-1)BDS	McLEAN	97	97
CONTRACT NO. 70D65				

ILLINOIS FED. AID PROJECT