

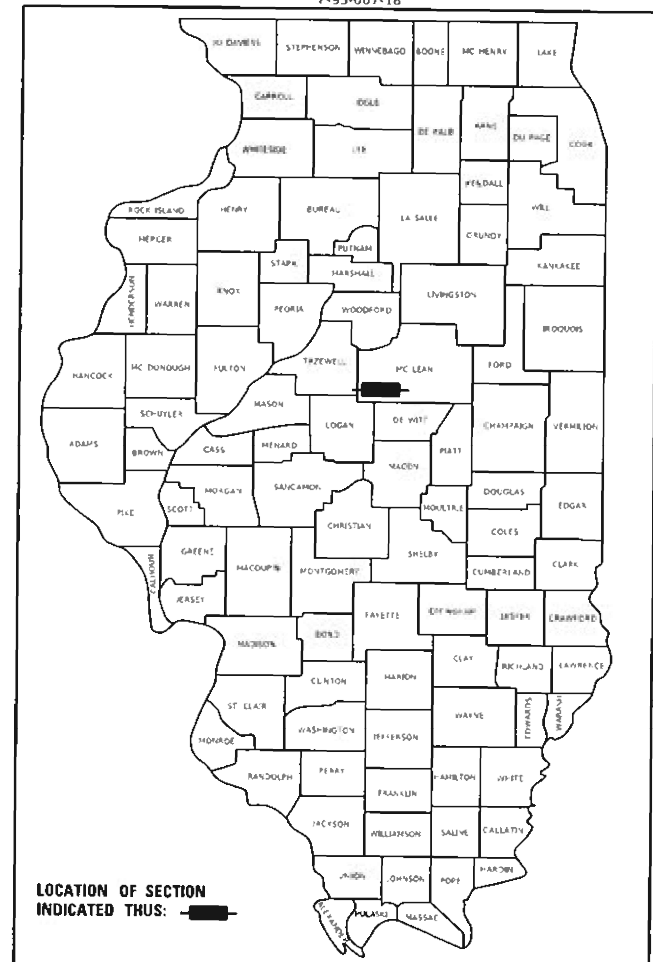
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

**FAI ROUTE 55 (I-55)
SECTION (57-9HB)BR
PROJECT NHPP-E88M(879)
BRIDGE DECK OVERLAYS
MCLEAN COUNTY**

**C-95-066-20
AT FUNKS GROVE REST AREA**

FAI ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	1
ILLINOIS CONTRACT NO. 70D16				

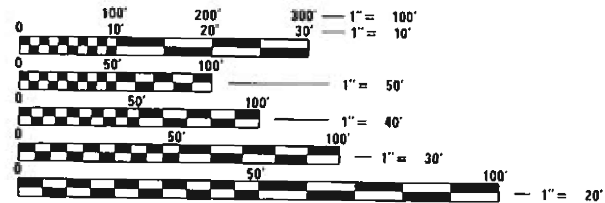


FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEETS NO. 3-9

TRAFFIC INFORMATION

FUNCTIONAL CLASSIFICATION: INTERSTATE
2017 ADT = 25,100
P.V. = 71% S.U. = 3% M.U. = 26%

STA. 297 + 80.50
SN 057-0157 (SB, 240'-0" B-B APPROACH BENTS, 9° 30' SKEW AHEAD RIGHT) AND SN 057-0158 (NB, 241'-6" B-B APPROACH BENTS, NO SKEW) THREE-SPAN CONTINUOUS REINFORCED CONCRETE TEE-BEAM MAIN SPANS AND PPC I BEAM APPROACH SPANS. TRAFFIC TO BE MAINTAINED USING STAGED CONSTRUCTION WITH CROSSOVERS.



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



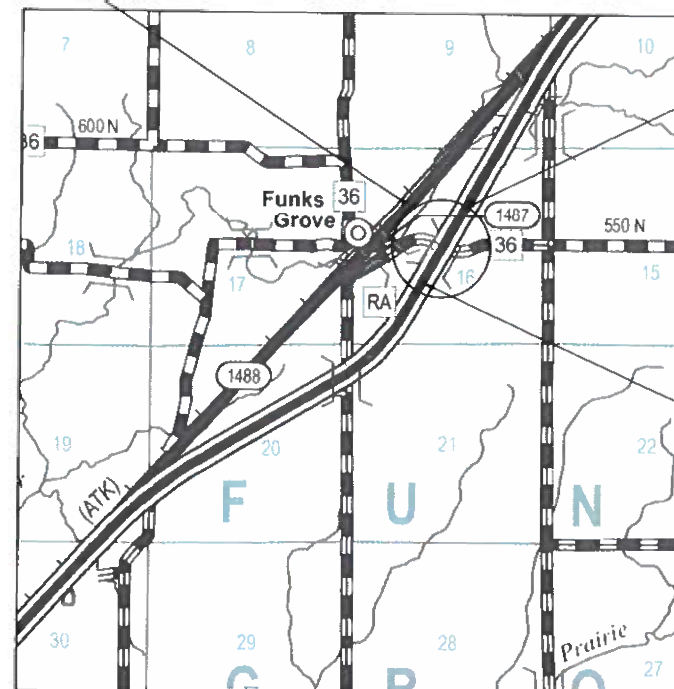
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811
FUNKS GROVE TOWNSHIP

PROJECT ENGINEER: JASON W. STULTS, P.E.
PROJECT MANAGER: RYAN T. CARROLL, P.E.
PHONE: 217-465-4181

CONTRACT NO. 70D16

MAURER-STUTZ
ENGINEERS SURVEYORS

3116 N. DRIES LANE, SUITE 100
PEORIA, ILLINOIS 61604
PH. (309) 693-7615
FAX (309) 693-7616
PROFESSIONAL DESIGN FIRM #184-005754



TWP 22N RANGE 1E 3RD PM



GROSS LENGTH = 8840.00 FT. = 1.674 MILES
NET LENGTH = 2325.57 FT. = 0.440 MILE

PROJECT ENDS
STA. 342 + 20.00



PROJECT BEGINS
STA. 253 + 80.00

ENGINEER'S SIGNATURE BOX

JEFFREY D. SPILLE
062057630
LICENSED PROFESSIONAL ENGINEER
OF ILLINOIS

SIGNED: 10/15/20
LIC. EXP. DATE: 11/30/21

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED: 10/16/2020
Kensil A. Barnett, esq.
REGIONAL ENGINEER

December 4, 2020
S. A. Elk
ENGINEER OF DESIGN AND ENVIRONMENT

December 4, 2020
G. M. J. 13
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

1	COVER
2	INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES
3-9	SUMMARY OF QUANTITIES
10-12	SCHEDULE OF QUANTITIES
13	ALIGNMENT, TIES, & BENCHMARKS
14	SOUTHBOUND FAI-55 ROADWAY PLAN
15	NORHTBOUND FAI-55 ROADWAY PLAN
16	MEDIAN CROSSOVER REMOVAL
17	SOUTH MEDIAN CROSSOVER
18	NORTH MEDIAN CROSSOVER
19-20	SOUTHBOUND FAI-55 TRAFFIC CONTROL
21-22	NORTHBOUND FAI-55 TRAFFIC CONTROL
23	TRAFFIC CONTROL-TYPICAL SECTIONS
24	COUNTY HIGHWAY 36 DETOUR ROUTE
25-29	WIDTH RESTRICTION SIGN LOCATION DETAIL
30	MEDIAN GUARD POST DETAIL
31	DETAIL FOR TEMPORARY RUMBLE STRIPS (SPECIAL)
32	DISTRICT 5 DETAIL NO. 70103710 TRAFFIC CONTROL FOR RAMP
33	DISTRICT 5 DETAIL NO. 70200000 TRAFFIC CONTROL & PROTECTION DEVICES (ROAD & SIDEROAD/STREET CLOSURES)
34	DISTRICT 5 DETAIL NO. 7800BBBB PAVEMENT MARKING (INTERSTATE & MULTI-LANE APPLICATIONS)
35	DISTRICT 5 DETAIL NO. X7200201 WIDTH RESTRICTION SIGNING
36-59	STRUCTURE PLANS
60-67	MEDIAN CROSSOVER CROSS SECTIONS

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-09	PAVEMENT JOINTS
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
483001-05	PCC SHOULDER
542001-06	CONCRETE END SECTIONS FOR PIPE CULVERTS 15" (375 MM) THRU 84" (2100 MM) DIAMETER
602401-06	PRECAST MANHOLE, TYPE A, 4' (1.22 M) DIAMETER
602411-09	PRECAST MANHOLE, TYPE A, 7' (2.13 M) DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-05	FRAME AND LIDS, TYPE 1
604036-03	GRATE TYPE 8
610001-09	SHOULDER INLET WITH CURB
630001-12	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-17	TRAFFIC BARRIER TERMINAL, TYPE 6
642001-02	SHOULDER RUMBLE STRIPS, 16 INCH
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701400-10	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701406-12	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701416-11	LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH CROSSOVER AND BARRIER
701428-01	TRAFFIC CONTROL SETUP AND REMOVAL FREEWAY/EXPRESSWAY
701451-05	RAMP CLOSURE FREEWAY/EXPRESSWAY
701456-05	PARTIAL EXIT RAMP CLOSURE FREEWAY/EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
725001-01	OBJECT AND TERMINAL MARKERS

GENERAL NOTES

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

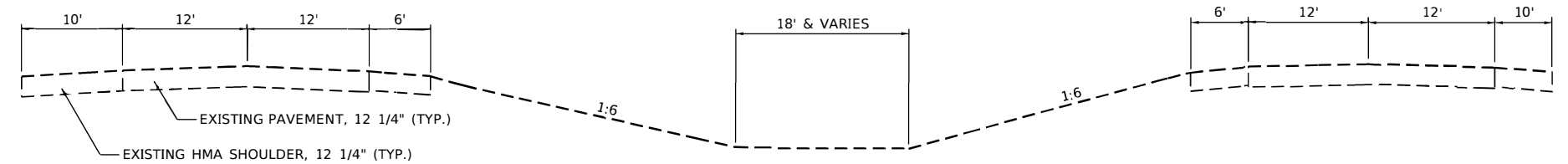
G.N. -406H
MIXTURE REQUIREMENTS
THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

Location	Median Crossover	Median Crossover	Median Crossover	Near Approach Pavement	FAI55
Mixture Use	2.0" Surface Course	7" Binder for Crossover / Bottom 7" of Shoulder	Top 2" of Shoulder	Class D Patches	Staged Shoulder
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
Design Air Voids	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=50	4.0% @ Ndes=90	4.0% @ Ndes=50
Mix Comp (Gradation)	IL 9.5	IL 19.0	IL 9.5	IL 19.0	IL 9.5
Friction Aggregate	Mix E	N.A.	Mix C	N.A.	Mix C
Mixture Weight	112	112	112	112	112
Quality Management Program	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA
Sublot Size	N.A.	N.A.	N.A.	N.A.	N.A.

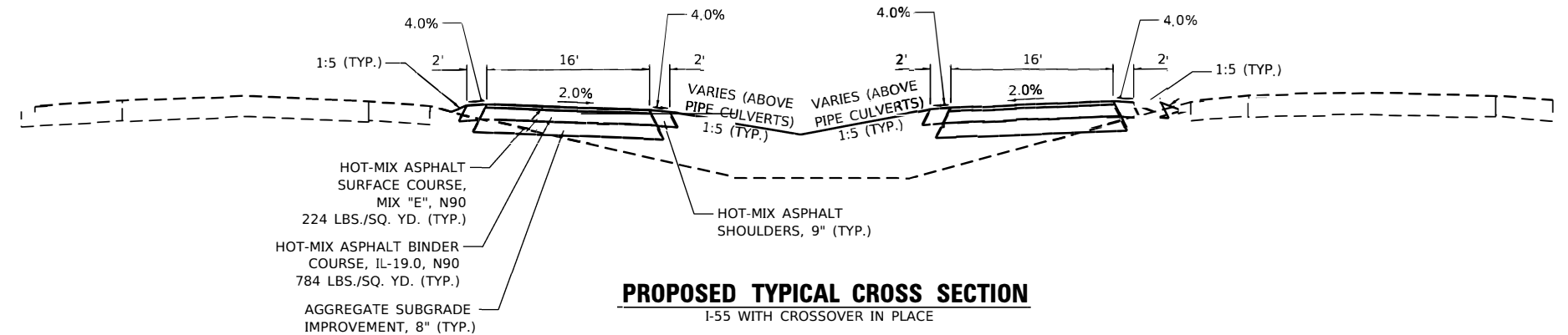
G.N.-440B
THE EXISTING TIE BARS BETWEEN THE EXISTING PAVEMENT AND EXISTING MEDIANS, GUTTERS AND/OR COMBINATION CURB AND GUTTERS THAT ARE FOUND SUITABLE FOR REUSE SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION. ANY EXISTING TIE BARS THAT ARE FOUND UNSUITABLE TO BE INCORPORATED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

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

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



EXISTING TYPICAL CROSS SECTION
I-55 PRIOR TO CROSSOVER IN PLACE



PROPOSED TYPICAL CROSS SECTION
I-55 WITH CROSSOVER IN PLACE

COMMITMENTS

NONE.

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PLOT DATE = 10/15/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FUNKS GROVE STRUCTURE REHABILITATION
INDEX OF SHEETS, HIGHWAY STANDARDS, AND GENERAL NOTES

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	2
			CONTRACT NO. 70D16	
			ILLINOIS FED. AID PROJECT	

LOCATION:	FAI 55 INTERSTATE RURAL BRIDGE STA. 253+80.00 TO STA. 334+00.00
COUNTY:	MCLEAN
FUNDING BREAKOUT:	90% FED/10% ST
CONSTRUCTION CODE:	0059

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	QUANTITY
20100500	TREE REMOVAL, ACRES	ACRE	0.25	0.25
20200100	EARTH EXCAVATION	CU YD	735	735
20400800	FURNISHED EXCAVATION	CU YD	2365	2365
20800150	TRENCH BACKFILL	CU YD	100	100
25000210	SEEDING, CLASS 2A	ACRE	1.25	1.25
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	95	95
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	95	95
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	95	95
25100115	MULCH, METHOD 2	ACRE	1.25	1.25
28000500	INLET AND PIPE PROTECTION	EACH	9	9
28000510	INLET FILTERS	EACH	15	15
28100107	STONE RIPRAP, CLASS A4	SQ YD	56	56
28100801	STONE DUMPED RIPRAP, CLASS A1	TON	38	38

* SPECIALTY ITEMS

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	PLOT SCALE = 100.0000' / in.	CHECKED - JDS	REVISED -					CONTRACT NO. 70D16					
	PLOT DATE = 10/15/2020	DATE -	REVISED -					SCALE:	SHEET 1 OF 7 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		

LOCATION:	FAI 55 INTERSTATE RURAL BRIDGE STA. 253+80.00 TO STA. 334+00.00
COUNTY:	MCLEAN
FUNDING BREAKOUT:	90% FED/10% ST
CONSTRUCTION CODE:	0059

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	QUANTITY
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	15	15
28200200	FILTER FABRIC	SQ YD	56	56
30300108	AGGREGATE SUBGRADE IMPROVEMENT 8"	SQ YD	5830	5830
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	13116	13116
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	3691	3691
40603090	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	2144	2144
40604074	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N90	TON	586	586
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	887	887
44001980	CONCRETE BARRIER REMOVAL	FOOT	160	160
44004250	PAVED SHOULDER REMOVAL	SQ YD	1702	1702
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SQ YD	33	33
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SQ YD	54	54
48203003	HOT-MIX ASPHALT SHOULDERS, 1 1/2"	SQ YD	887	887

* SPECIALTY ITEMS

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	PLOT SCALE = 100.0000' / in.	CHECKED - JDS	REVISED -					55	(57-9HB)BR	MCLEAN	67	4	
PLOT DATE = 10/15/2020	DATE -	REVISED -	SCALE:			SHEET 2	OF 7	SHEETS	STA.	TO STA.	CONTRACT NO. 70D16		
											ILLINOIS	FED. AID PROJECT	

LOCATION:	FAI 55 INTERSTATE RURAL BRIDGE STA. 253+80.00 TO STA. 334+00.00
COUNTY:	MCLEAN
FUNDING BREAKOUT:	90% FED/10% ST
CONSTRUCTION CODE:	0059

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	QUANTITY
48203033	HOT-MIX ASPHALT SHOULDERS, 9"	SQ YD	1098	1098
48300605	PORTLAND CEMENT CONCRETE SHOULDERS 11 1/4"	SQ YD	143	143
50102400	CONCRETE REMOVAL	CU YD	158.5	158.5
50300225	CONCRETE STRUCTURES	CU YD	62.4	62.4
50300255	CONCRETE SUPERSTRUCTURE	CU YD	101.5	101.5
50300300	PROTECTIVE COAT	SQ YD	326	326
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	28200	28200
52000110	PREFORMED JOINT STRIP SEAL	FOOT	186	186
54213453	END SECTIONS 18"	EACH	6	6
54262712	METAL FLARED END SECTIONS 12"	EACH	6	6
542A0213	PIPE CULVERTS, CLASS A, TYPE 1 8"	FOOT	86	86
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	1150	1150
58700300	CONCRETE SEALER	SQ FT	2111	2111

* SPECIALTY ITEMS

Model: Default
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	PLOT SCALE = 100.0000' / in.	CHECKED - JDS	REVISED -			CONTRACT NO. 70D16					
PLOT DATE = 10/15/2020	DATE -	REVISED -	SCALE:		SHEET 3 OF 7 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				

LOCATION:	FAI 55 INTERSTATE RURAL BRIDGE STA. 253+80.00 TO STA. 334+00.00
COUNTY:	MCLEAN
FUNDING BREAKOUT:	90% FED/10% ST
CONSTRUCTION CODE:	0059

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	QUANTITY
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	7	7
60100945	PIPE DRAINS 12"	FOOT	614	614
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2
60220200	MANHOLES, TYPE A, 4'-DIAMETER	EACH	1	1
60224125	MANHOLES, TYPE A, 7'-DIAMETER	EACH	1	1
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	4	4
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	2	2
60500060	REMOVING INLETS	EACH	16	16
61000050	CONCRETE THRUST BLOCKS	EACH	6	6
61000115	TYPE E INLET BOX, STANDARD 610001	EACH	1	1
61000225	TYPE F INLET BOX, STANDARD 610001	EACH	2	2
61000335	TYPE G INLET BOX, STANDARD 610001	EACH	10	10
63400105	GUARD POSTS	EACH	66	66

* SPECIALTY ITEMS

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	PLOT DATE = 10/15/2020	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

SCALE: SHEET 4 OF 7 SHEETS STA. TO STA.

LOCATION:	FAI 55 INTERSTATE RURAL BRIDGE STA. 253+80.00 TO STA. 334+00.00
COUNTY:	MCLEAN
FUNDING BREAKOUT:	90% FED/10% ST
CONSTRUCTION CODE:	0059

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	QUANTITY
63700805	CONCRETE BARRIER TRANSITION	FOOT	160	160
63800920	MODULAR GLARE SCREEN SYSTEM, TEMPORARY	FOOT	1970	1970
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	1955	1955
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	12	12
67100100	MOBILIZATION	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	154	154
70107005	PAVEMENT MARKING BLACKOUT TAPE, 5"	FOOT	5874	5874
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	328	328
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	33382	33382
70400100	TEMPORARY CONCRETE BARRIER	FOOT	2736	2736
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	2736	2736
70500100	TEMPORARY STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	412.5	412.5
70500615	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	2	2

* SPECIALTY ITEMS

MODEL: 05/6/20
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 DATE: 10/16/2020



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PLT DATE = 10/16/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FUNKS GROVE STRUCTURE REHABILITATION
SUMMARY OF QUANTITIES**

SCALE: SHEET 5 OF 7 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	7
			CONTRACT NO. 70D16	
		ILLINOIS	FED. AID PROJECT	

LOCATION:	FAI 55 INTERSTATE RURAL BRIDGE STA. 253+80.00 TO STA. 334+00.00
COUNTY:	MCLEAN
FUNDING BREAKOUT:	90% FED/10% ST
CONSTRUCTION CODE:	0059

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	QUANTITY
70500665	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	2
* 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	2937	2937
* 78008310	POLYUREA PAVEMENT MARKING TYPE II - LINE 4"	FOOT	1320	1320
* 78008330	POLYUREA PAVEMENT MARKING TYPE II - LINE 6"	FOOT	347	347
X0301834	STORM SEWER TO BE FILLED	FOOT	157	157
X0320586	FLEXIBLE DELINEATORS	EACH	6	6
X0323586	PIPE DRAIN REMOVAL	FOOT	358	358
X0325748	ACRYLIC COATING	SQ YD	253	253
X0327773	ACCESS DOOR	EACH	8	8
X0325749	FIBER WRAP	SQ FT	2514	2514
X2200020	FENCE REMOVAL AND REINSTALLATION	FOOT	50	50
X2700001	TEMPORARY RUMBLE STRIPS (SPECIAL)	EACH	16	16
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	1979	1979
X6380200	RELOCATE MODULAR GLARE SCREEN SYSTEM	FOOT	1970	1970
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1

* SPECIALTY ITEMS

MODEL: 05/6/20
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 DATE: 10/15/2020

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	PLOT DATE = 10/15/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FUNKS GROVE STRUCTURE REHABILITATION SUMMARY OF QUANTITIES			
SCALE:	SHEET 6	OF 7 SHEETS	STA. T O STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	8
CONTRACT NO. 70D16			ILLINOIS FED. AID PROJECT	

20100500 TREE REMOVAL, ACRES				
LOCATION	ACRE	REMARKS		
296+27.22 TO 296+60.25 LT	0.04			
298+75.95 TO 299+03.61 LT	0.06			
298+92.28 TO 299+13.42 RT	0.03			
TOTAL	0.12	USE 0.25		

20800150 TRENCH BACKFILL				
LOCATION	CU YD	REMARKS		
285+93.63 TO 287+94.23 RT	33.70	18" PIPE CULV.		
286+07.97 TO 287+88.44 LT	30.32	18" PIPE CULV.		
286+96.18 TO 286+96.18 LT	1.78	8" PIPE CULV.		
286+96.18 TO 286+96.18 RT	1.56	8" PIPE CULV.		
308+20.81 TO 309+79.51 LT/RT	16.66	18" PIPE CULV.		
308+99.76 TO 308+99.76 LT	1.67	8" PIPE CULV.		
308+99.76 TO 308+99.76 RT	1.68	8" PIPE CULV.		
FROM PIPE SCHEDULE	12.04			
TOTAL	99.4	USE 100		

25000210 SEEDING, CLASS 2A				
LOCATION	ACRE	REMARKS		
281+90.00 TO 286+24.28 LT/RT	0.18			
285+10.48 TO 288+79.34 LT	0.05			
285+24.76 TO 288+79.34 RT	0.05			
287+68.08 TO 292+00.00 LT/RT	0.18			
296+27.22 TO 296+92.27 LT/RT	0.05			
298+60.99 TO 299+13.42 LT/RT	0.09			
304+00.00 TO 308+29.79 LT/RT	0.17			
307+23.51 TO 310+73.85 LT	0.04			
307+24.73 TO 310+79.66 RT	0.05			
309+69.74 TO 313+99.99 LT/RT	0.20			
TOTAL	1.06	USE 1.25		

25000400 NITROGEN FERTILIZER NUTRIENT				
LOCATION	POUND	REMARKS		
281+90.00 TO 286+24.28 LT/RT	16.39			
285+10.48 TO 288+79.34 LT	4.23			
285+24.76 TO 288+79.34 RT	4.23			
287+68.08 TO 292+00.00 LT/RT	16.13			
296+27.22 TO 296+92.27 LT/RT	4.94			
298+60.99 TO 299+13.42 LT/RT	8.35			
304+00.00 TO 308+29.79 LT/RT	15.28			
307+23.51 TO 310+73.85 LT	3.65			
307+24.73 TO 310+79.66 RT	4.08			
309+69.74 TO 313+99.99 LT/RT	17.70			
TOTAL	95.0	USE 95		

25000500 PHOSPHORUS FERTILIZER NUTRIENT				
LOCATION	POUND	REMARKS		
281+89.98 TO 286+24.28 LT/RT	16.39			
285+24.76 TO 288+72.20 LT	4.23			
285+10.29 TO 288+79.34 RT	4.23			
287+68.08 TO 292+00.01 LT/RT	16.13			
296+28.44 TO 296+92.26 LT/RT	4.94			
298+60.99 TO 299+13.42 LT/RT	8.35			
304+00.00 TO 308+29.79 LT/RT	15.28			
307+24.73 TO 310+79.66 LT	3.65			
307+23.51 TO 310+73.85 RT	4.08			
309+69.74 TO 313+99.99 LT/RT	17.70			
TOTAL	95.0	USE 95		

25000600 POTASSIUM FERTILIZER NUTRIENT				
LOCATION	POUND	REMARKS		
281+89.98 TO 286+24.28 LT/RT	16.39			
285+24.76 TO 288+72.20 LT	4.23			
285+10.29 TO 288+79.34 RT	4.23			
287+68.08 TO 292+00.01 LT/RT	16.13			
296+28.44 TO 296+92.26 LT/RT	4.94			
298+60.99 TO 299+13.42 LT/RT	8.35			
304+00.00 TO 308+29.79 LT/RT	15.28			
307+24.73 TO 310+79.66 LT	3.65			
307+23.51 TO 310+73.85 RT	4.08			
309+69.74 TO 313+99.99 LT/RT	17.70			
TOTAL	95.0	USE 95		

25100115 MULCH, METHOD 2				
LOCATION	ACRE	REMARKS		
281+89.98 TO 286+24.28	0.18			
285+24.76 TO 288+72.20	0.05			
285+10.29 TO 288+79.34	0.05			
287+68.08 TO 292+00.01	0.18			
296+28.44 TO 296+92.26	0.05			
298+60.99 TO 299+13.42	0.09			
304+00.00 TO 308+29.79	0.17			
307+24.73 TO 310+79.66	0.04			
307+23.51 TO 310+73.85	0.05			
309+69.74 TO 313+99.99	0.20			
TOTAL	1.06	USE 1.25		

28000500 INLET AND PIPE PROTECTION				
LOCATION	OFFSET	EACH	REMARKS	
283+09.23	0.72	LT	1.00	
284+85.00	2.25	LT	1.00	
285+85.00	2.25	RT	1.00	
286+96.18	21.20	LT	1.00	
286+96.18	20.80	RT	1.00	
293+50.64	20.54	LT	1.00	
307+40.00	0.00	0	1.00	
308+99.76	0.00	0	1.00	
308+99.76	0.00	0	1.00	
TOTAL			9.0	USE 9

28100107 STONE RIPRAP, CLASS A4				
LOCATION	SQ YD	REMARKS		
296+68.03 TO 296+80.40 RT	11.11			
296+96.02 TO 297+06.02 LT/RT	11.11			
298+47.25 TO 298+57.25 LT/RT	11.11			
298+88.01 TO 298+97.99 LT	11.11			
298+98.21 TO 299+08.41 RT	11.11			
TOTAL	55.6	USE 56		

28200200 FILTER FABRIC				
LOCATION	SQ YD	REMARKS		
296+68.03 TO 296+80.40 RT	11.11			
296+96.02 TO 297+06.02 LT/RT	11.11			
298+47.25 TO 298+57.25 LT/RT	11.11			
298+88.01 TO 298+97.99 LT	11.11			
298+98.21 TO 299+08.41 RT	11.11			
TOTAL	55.6	USE 56		

30300108 AGGREGATE SUBGRADE IMPROVEMENT 8"				
LOCATION	SQ YD	REMARKS		
281+90.00 TO 292+00.00	2933.48			
304+00.00 TO 314+00.00	2895.78			
TOTAL	5829.3	USE 5830		

40600275 BITUMINOUS MATERIALS (PRIME COAT)				
LOCATION	POUND	REMARKS		
281+90.00 TO 292+00.00	6600.33			
304+00.00 TO 314+00.00	6515.51			
TOTAL	13115.8	USE 13116		

40600290 BITUMINOUS MATERIALS (TACK COAT)				
LOCATION	POUND	REMARKS		
281+90.00 TO 292+00.00	1861.14			
304+00.00 TO 314+00.00	1829.13			
TOTAL	3690.3	USE 3691		

40603090 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90				
LOCATION	TON	REMARKS		
281+90.00 TO 292+00.00	1080.84			
304+00.00 TO 314+00.00	1062.25			
TOTAL	2143.1	USE 2144		

40604074 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "E", N90				
LOCATION	TON	REMARKS		
281+90.00 TO 292+00.00	294.67			
304+00.00 TO 314+00.00	290.86			
TOTAL	585.5	USE 586		

44000155 HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"				
LOCATION	SQ YD	REMARKS		
289+00.00 TO 293+24.81 RT	188.81			
292+12.27 TO 296+42.07 LT	191.45			
298+80.78 TO 307+00.00 LT	363.62			
304+30.00 TO 307+50.00 RT	142.25			
TOTAL	886.1	USE 887		

44001980 CONCRETE BARRIER REMOVAL				
LOCATION	FOOT	REMARKS		
296+22.07 TO 296+42.07 LT	20.00			
296+28.29 TO 296+48.30 LT	20.00			
296+36.94 TO 296+56.92 RT	20.00			
296+37.03 TO 296+57.00 RT	20.00			
298+80.78 TO 299+00.78 LT	20.00			
298+87.24 TO 299+07.24 LT	20.00			
298+96.86 TO 299+16.86 RT	20.00			
298+97.24 TO 299+17.21 RT	20.00			
TOTAL	160.0	USE 160		

44004250 PAVED SHOULDER REMOVAL				
LOCATION	SQ YD	REMARKS		
281+90.00 TO 285+10.29 RT	204.28	CROSSOVER		
281+90.00 TO 285+24.76 LT	231.72	CROSSOVER		
288+72.20 TO 292+00.00 LT	221.51	CROSSOVER		
288+79.34 TO 292+00.00 RT	195.11	CROSSOVER		
296+22.07 TO 296+26.07 LT	3.72	AT STR		
296+28.29 TO 296+32.31 LT	2.51	AT STR		
296+36.90 TO 296+41.52 RT	2.66	AT STR		
296+36.94 TO 296+40.76 RT	2.02	AT STR		
298+96.78 TO 299+00.78 LT	3.88	AT STR		
299+03.24 TO 299+07.24 LT	2.15	AT STR		
299+12.82 TO 299+17.21 RT	2.34	AT STR		
299+12.86 TO 299+16.86 RT	1.99	AT STR		
304+00.00 TO 307+24.73 LT	211.67	CROSSOVER		
304+00.00 TO 307+23.51 RT	200.59	CROSSOVER		
310+73.85 TO 314+00.00 RT	208.34	CROSSOVER		
310+79.66 TO 314+00.00 LT	206.61	CROSSOVER		
TOTAL	1701.1	USE 1702		

MODEL D:\64bit\MAURER-STUTZ\2023\70108\237100108\237100108\1189-024.D5\Work Order - 11CADDDCADDD - Sheets\05700166-8hr-Schedule.dgn



USER NAME = wllewis	DESIGNED - JDS	REVISED -
PLOT SCALE = 2,000' / in.	DRAWN - WLL	REVISED -
PLOT DATE = 10/15/2020	CHECKED - JDS	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FUNKS GROVE STRUCTURE REHABILITATION
SCHEDULE OF QUANTITIES**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	10
CONTRACT NO. 70D16				
SCALE:		SHEET 1 OF 3 SHEETS STA. TO STA.		
ILLINOIS FED. AID PROJECT				

44201807 CLASS D PATCHES, TYPE III, 13 INCH				
LOCATION			SQ YD	REMARKS
296+17.58 TO 296+23.58	LT		16.12	
299+06.20 TO 299+12.20	LT		16.57	
TOTAL			32.7	USE 33

44201809 CLASS D PATCHES, TYPE IV, 13 INCH				
LOCATION			SQ YD	REMARKS
296+31.14 TO 296+37.14	RT		28.38	
299+16.82 TO 299+22.82	RT		24.93	
TOTAL			53.3	USE 54

48203003 HOT-MIX ASPHALT SHOULDERS, 1 1/2"				
LOCATION			SQ YD	REMARKS
289+00.00 TO 293+24.81	RT		188.81	
292+12.27 TO 296+42.07	LT		191.45	
298+80.78 TO 307+00.00	LT		363.62	
304+30.00 TO 307+50.00	RT		142.25	
TOTAL			886.1	USE 887

48203033 HOT-MIX ASPHALT SHOULDERS, 9"				
LOCATION			SQ YD	REMARKS
281+90.00 TO 286+26.68	RT		97.48	INNER SHOULDER
281+90.00 TO 286+26.28	LT		97.92	INNER SHOULDER
285+10.00 TO 288+79.61	RT		83.06	OUTER SHOULDER
285+24.49 TO 288+72.47	LT		78.20	OUTER SHOULDER
287+66.05 TO 292+00.00	RT		97.29	INNER SHOULDER
287+66.05 TO 292+00.00	LT		97.10	INNER SHOULDER
304+00.00 TO 308+31.79	RT		97.04	INNER SHOULDER
304+00.00 TO 308+31.79	LT		96.86	INNER SHOULDER
307+23.25 TO 310+74.11	RT		78.89	OUTER SHOULDER
307+24.46 TO 310+79.93	LT		79.92	OUTER SHOULDER
309+67.74 TO 314+00.00	RT		96.85	INNER SHOULDER
309+67.74 TO 314+00.00	LT		96.78	INNER SHOULDER
TOTAL			1097.4	USE 1098

48300605 PORTLAND CEMENT CONCRETE SHOULDERS 11 1/4"				
LOCATION			SQ YD	REMARKS
296+22.07 TO 296+43.58	LT		23.77	
296+28.29 TO 296+48.31	LT		16.99	
296+36.90 TO 296+57.14	RT		16.35	
296+36.94 TO 296+57.07	RT		15.35	
298+80.78 TO 299+00.78	LT		23.04	
298+86.20 TO 299+07.24	LT		15.73	
298+96.82 TO 299+17.25	RT		15.92	
298+96.82 TO 299+17.21	RT		15.13	
TOTAL			142.3	USE 143

54213453 END SECTIONS 18"				
LOCATION	OFFSET		EACH	REMARKS
284+85.00	2.3	LT	1.00	
284+85.00	2.3	RT	1.00	
289+00.00	2.3	LT	1.00	
289+00.00	2.3	RT	1.00	
307+54.58	0.0	LT	1.00	
310+55.42	0.0	RT	1.00	
TOTAL			6.0	USE 6

54262712 METAL FLARED END SECTIONS 12"				
LOCATION	OFFSET		EACH	REMARKS
296+49.74	153.9	LT	1.00	
296+71.83	160.0	RT	1.00	
296+92.27	0.0	RT	1.00	
298+61.00	0.0	RT	1.00	
298+92.76	187.3	LT	1.00	
299+03.14	131.4	RT	1.00	
TOTAL			6.0	USE 6

542A0213 PIPE CULVERTS, CLASS A, TYPE 1 8"				
LOCATION			FOOT	REMARKS
286+96.18		LT	22.00	
286+96.18		RT	21.00	
309+00.00		LT	22.00	
309+00.00		RT	21.00	
TOTAL			86.0	USE 86

542A0223 PIPE CULVERTS, CLASS A, TYPE 1 18"				
LOCATION			FOOT	REMARKS
284+85.00 TO 286+96.50	LT		211.50	
284+85.00 TO 286+96.50	RT		211.50	
286+96.50 TO 289+00.00	LT		203.50	
286+96.50 TO 289+00.00	RT		203.50	
307+40.00 TO 309+00.00	LT/RT		160.00	
309+00.00 TO 310+60.00	LT/RT		160.00	
TOTAL			1150.0	USE 1150

60220200 MANHOLES, TYPE A, 4'-DIAMETER				
LOCATION	OFFSET		EACH	REMARKS
309+00.00	0.0		1.00	
TOTAL			1.0	USE 1

60224125 MANHOLES, TYPE A, 7'-DIAMETER				
LOCATION	OFFSET		EACH	REMARKS
286+96.18	0.0		1.00	
TOTAL			1.0	USE 1

60236200 INLETS, TYPE A, TYPE 8 GRATE				
LOCATION	OFFSET		EACH	REMARKS
286+96.18	21.2	LT	1.00	
286+96.18	20.8	RT	1.00	
309+00.00	21.2	LT	1.00	
309+00.00	20.8	RT	1.00	
TOTAL			4.0	USE 4

60300105 FRAMES AND GRATES TO BE ADJUSTED				
LOCATION	OFFSET		EACH	REMARKS
295+00.64	70.8	RT	1.00	
302+55.00	74.8	LT	1.00	
TOTAL			2.0	USE 2

60500060 REMOVING INLETS				
LOCATION	OFFSET		EACH	REMARKS
296+31.02	74.7	LT	1.00	
296+35.06	74.6	LT	1.00	
296+36.13	42.0	LT	1.00	
296+40.35	42.1	LT	1.00	
296+44.76	40.9	RT	1.00	
296+45.52	88.9	RT	1.00	
296+48.58	40.9	RT	1.00	
296+49.05	88.8	RT	1.00	
298+89.23	74.6	LT	1.00	
298+92.98	74.7	LT	1.00	
298+95.43	41.3	LT	1.00	
298+99.52	41.6	LT	1.00	
299+04.88	83.7	RT	1.00	
299+05.10	41.2	RT	1.00	
299+08.78	83.4	RT	1.00	
299+08.99	41.4	RT	1.00	
TOTAL			16.0	USE 16

61000050 CONCRETE THRUST BLOCKS			
LOCATION		EACH	REMARKS
PIPE 1		1.00	
PIPE 2		1.00	
PIPE 6		1.00	
PIPE 7		1.00	
PIPE 13		1.00	
PIPE 15		1.00	
TOTAL		6.0	USE 6

63400105 GUARD POSTS			
LOCATION		EACH	REMARKS
286+26.28 TO 286+88.18		17.00	
287+04.18 TO 287+66.06		17.00	
308+31.79 TO 308+91.76		16.00	
309+07.76 TO 309+67.74		16.00	
TOTAL		66.0	USE 66

63700805 CONCRETE BARRIER TRANSITION			
LOCATION		FOOT	REMARKS
296+22.07 TO 296+42.07	LT	20.00	
296+28.29 TO 296+48.31	LT	20.00	
296+36.94 TO 296+56.94	RT	20.00	
296+37.00 TO 296+57.00	RT	20.00	
298+80.78 TO 299+00.78	LT	20.00	
298+87.24 TO 299+07.24	LT	20.00	
298+96.86 TO 299+16.86	RT	20.00	
298+97.21 TO 299+17.21	RT	20.00	
TOTAL		160.0	USE 160

63800920 MODULAR GLARE SCREEN SYSTEM, TEMPORARY			
LOCATION		FOOT	REMARKS
289+41.01 TO 309+02.79		1969.37	
TOTAL		1969.4	USE 1970

64200116 SHOULDER RUMBLE STRIPS, 16 INCH			
LOCATION		FOOT	REMARKS
289+00.00 TO 293+24.81	RT	425.00	
292+12.27 TO 296+22.07	LT	410.00	
299+00.78 TO 307+00.00	LT	800.00	
304+30.00 TO 307+50.00	RT	320.00	
TOTAL		1955.0	USE 1955

70107005 PAVEMENT MARKING BLACKOUT TAPE, 5"			
LOCATION		FOOT	REMARKS
289+00.00 TO 307+49.72	SKIP-DASH	162.43	SB TRAFFIC CONTROL
281+90.00 TO 314+00.00	SOLID	2567.00	SB TRAFFIC CONTROL
288+50.00 TO 307+00.00	SKIP-DASH	162.50	NB TRAFFIC CONTROL
281+90.00 TO 314+00.00	SOLID	2981.56	NB TRAFFIC CONTROL
TOTAL		5873.5	USE 5874

70107025 CHANGEABLE MESSAGE SIGN			
LOCATION		CAL DA	REMARKS
I-55 NB		161.00	
I-55 SB		161.00	
CH36 NB		3.00	
CH36 SB		3.00	
TOTAL		328.0	USE 328

70300220 TEMPORARY PAVEMENT MARKING - LINE 4"			
LOCATION		FOOT	REMARKS
281+90.00 TO 334+00.00	WHITE	7072.94	SB TRAFFIC CONTROL
253+80.00 TO 324+00.00	YELLOW	9619.35	SB TRAFFIC CONTROL
261+90.00 TO 314+00.00	WHITE	7091.95	NB TRAFFIC CONTROL
271+90.00 TO 342+20.00	YELLOW	9597.58	NB TRAFFIC CONTROL
TOTAL		33381.8	USE 33382

MODEL: D:\p1\11\CADD\CADD_Sheets\057001\6-shr-Schedule.dgn
 FILE NAME: 54262712.DWG
 PLOT DATE: 10/15/2020



USER NAME = wllewis	DESIGNED - JDS	REVISED -
PLOT SCALE = 2,000.0' / in.	DRAWN - WLL	REVISED -
PLOT DATE = 10/15/2020	CHECKED - JDS	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FUNKS GROVE STRUCTURE REHABILITATION
SCHEDULE OF QUANTITIES**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	11
CONTRACT NO. 70D16				
ILLINOIS		FED. AID PROJECT		

70400100 TEMPORARY CONCRETE BARRIER			
LOCATION	FOOT	REMARKS	
281+90.03 TO 309+02.79	2736.00		
TOTAL	2736.0	USE 2736	

70400200 RELOCATE TEMPORARY CONCRETE BARRIER			
LOCATION	FOOT	REMARKS	
286+89.52 TO 314+04.02	2736.00		
TOTAL	2736.0	USE 2736	

70500100 TEMPORARY STEEL PLATE BEAM GUARDRAIL, TYPE A			
LOCATION	FOOT	REMARKS	
292+80.43 TO 294+80.43 LT	200.00		
300+54.89 TO 302+67.39 RT	212.50		
TOTAL	412.5	USE 412.5	

70500615 TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1			
LOCATION	EACH	REMARKS	
292+30.43 TO 292+80.43 LT	1.00		
302+67.39 TO 303+17.39 RT	1.00		
TOTAL	2.0	USE 2	

70500665 TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 6			
LOCATION	EACH	REMARKS	
294+80.43 TO 295+17.93	1.00		
300+17.39 TO 300+54.89	1.00		
TOTAL	2.0	USE 2	

78001130 PAINT PAVEMENT MARKING - LINE 6"			
LOCATION	FOOT	REMARKS	
BLACKOUT TAPE LOCATIONS	2936.75		
TOTAL	2936.7	USE 2937	

78008310 POLYUREA PAVEMENT MARKING TYPE II - LINE 4"			
LOCATION	FOOT	REMARKS	
296+17.58 TO 299+12.20 LT	294.62	SOLID YELLOW	
296+17.58 TO 299+12.20 LT	73.66	SKIP-DASH WHITE	
296+17.58 TO 299+12.20 LT	294.62	SOLID WHITE	
296+31.14 TO 299+22.82 RT	291.68	SOLID YELLOW	
296+31.14 TO 299+22.82 RT	72.92	SKIP-DASH WHITE	
296+31.14 TO 299+22.82 RT	291.74	SOLID WHITE	
TOTAL	1319.2	USE 1320	

78008330 POLYUREA PAVEMENT MARKING TYPE II - LINE 6"			
LOCATION	FOOT	REMARKS	
296+31.14 TO 298+04.54 RT	346.86		
TOTAL	346.9	USE 347	

X0301834 STORM SEWER TO BE FILLED			
LOCATION	FOOT	REMARKS	
296+31.02 TO 296+36.13 LT	33.12		
296+44.76 TO 296+45.52 RT	48.01		
298+92.98 TO 298+99.52 LT	33.72		
299+08.78 TO 299+08.99 RT	41.97		
TOTAL	156.8	USE 157	

X0320586 FLEXIBLE DELINEATORS			
LOCATION	EACH	REMARKS	
286+92.18 TO 287+00.18	3.00		
308+95.76 TO 309+03.76 00+00.00	3.00		
TOTAL	6.0	USE 6	

X0323586 PIPE DRAIN REMOVAL			
LOCATION	FOOT	REMARKS	
296+30.00 TO 296+50.35 LT	84.81		
296+29.68 TO 296+33.68 LT	4.00		
296+36.12 TO 296+40.12 LT	4.00		
296+44.45 TO 296+48.45 RT	8.00		
296+45.00 TO 296+71.83 RT	75.24		
298+88.62 TO 298+92.58 LT	4.00		
298+93.00 TO 298+93.00 LT	115.84		
298+95.20 TO 298+99.20 LT	4.00		
299+04.95 TO 299+08.95 RT	8.00		
299+05.00 TO 299+05.00 RT	50.00		
TOTAL	357.9	USE 358	

X2200020 FENCE REMOVAL AND REINSTALLATION			
LOCATION	FOOT	REMARKS	
NE QUADRANT RT	25.00	S.N. - 057-0158	
NW QUADRANT LT	25.00	S.N. - 057-0157	
TOTAL	50.0	USE 50	

X2700001 TEMPORARY RUMBLE STRIPS (SPECIAL)			
LOCATION	EACH	REMARKS	
NORTHBOUND TRAFFIC CONTROL	8.00		
SOUTHBOUND TRAFFIC CONTROL	8.00		
TOTAL	16.0	USE 16	

X6380200 RELOCATE MODULAR GLARE SCREEN SYSTEM			
LOCATION	FOOT	REMARKS	
286+89.52 TO 306+57.86	1969.37		
TOTAL	1969.4	USE 1970	

LOCATION	EARTH EXCAVATION	EXCAVATION ADJUSTED FOR SHRINKAGE (25%)	EMBANKMENT (FILL)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CU YD	CU YD	CU YD	CU YD
STA. 281+90.00 - STA. 292+00.00	368.53	276.40	1545.89	-1269.49
OMIT STA. 292+00 - STA. 304+00				
STA. 304+00.00 - STA. 314+00.00	361.64	271.23	1363.36	-1092.13
TOTAL	730.17	547.63	2909.25	-2361.62

EARTHWORK SUMMARY			
20200100	EARTH EXCAVATION	735	CU YD
20400800	FURNISHED EXCAVATION	2365	CU YD

X7030005 TEMPORARY PAVEMENT MARKING REMOVAL			
LOCATION	SQ FT	REMARKS	
281+90.00 TO 334+00.00 WHITE	2357.65		
253+80.00 TO 324+00.00 YELLOW	3206.45		
261+90.00 TO 314+00.00 WHITE	2363.98		
271+90.00 TO 342+20.00 YELLOW	3199.19		
TOTAL	11127.3	USE 11128	

Z0001495 BRIDGE APPROACH SHOULDER REMOVAL			
LOCATION	SQ YD	REMARKS	
296+26.07 TO 296+43.58 LT	15.63		
296+32.31 TO 296+48.31 LT	9.77		
296+41.52 TO 296+57.14 RT	9.14		
296+40.76 TO 296+57.07 RT	8.58		
298+80.78 TO 298+96.78 LT	14.83		
298+86.20 TO 299+03.24 LT	8.90		
298+96.78 TO 299+12.86 RT	7.98		
298+96.82 TO 299+12.82 RT	8.37		
TOTAL	83.2	USE 84	

PIPE SCHEDULE						
PIPE INFORMATION				TRENCH BACKFILL	PIPE DRAINS 12"	NOTES
PIPE Number	US STRUCTURE	DS STRUCTURE	SLOPE	20800150 CU YD	60100945 FOOT	
P1	S1	OUTLET	25.3%	0.88	83.00	
P2	S2	OUTLET	20.4%	0.98	116.00	
P3	S3	S6	1.0%	0.88	37.00	
P4	S4	S5	1.0%	1.19	9.00	
P5	S5	S7	1.0%	0.55	37.00	
P6	S6	OUTLET	34.7%	-	52.00	
P7	S7	OUTLET	38.8%	-	44.00	
P8	S8	S9	1.0%	1.19	9.00	
P9	S9	S6	1.0%	0.67	37.00	
P10	S10	S11	1.0%	1.19	9.00	
P11	S11	S7	1.0%	0.69	37.00	
P12	S12	S13	1.0%	1.19	9.00	
P13	S13	OUTLET	25.7%	0.76	77.00	
P14	S14	S15	1.0%	1.19	9.00	
P15	S15	OUTLET	12.6%	0.68	49.00	
TOTAL				12.04	614.00	

DRAINAGE STRUCTURE SCHEDULE																
STRUCTURE NUMBER				28000510	60218400	61000115	61000225	61000335	CONTROL ELEVATION	FLOWLINE ELEVATION	INVERT ELEVATIONS				NOTES	STRUCTURE NUMBER
	STATION	OFFSE	LT/RT	INLET FILTERS	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	TYPE E INLET BOX, STANDARD 610001	TYPE F INLET BOX, STANDARD 610001	TYPE G INLET BOX, STANDARD 610001			NE	SE	SW	NW		
	S1	296+37.07	70.4	LT	1			1				704.52	701.85	-		
S2	298+85.78	70.7	LT	1			1		703.31	700.64	-	-	-	700.64	S2	
S3	296+43.31	43.3	LT	1			1		704.51	701.84	-	-	-	701.84	S3	
S4	298+92.24	41.2	LT	1				1	703.23	700.83	-	-	-	-	S4	
S5	299+02.24	41.2	LT	1			1		703.18	700.64	-	-	-	700.64	S5	
S6	296+41.13	0.0	RT	1	1				707.00	701.37	701.54	-	-	701.47	S6	
S7	299+03.55	0.0	RT	1	1				705.00	699.97	-	700.07	699.97	700.27	S7	
S8	296+51.94	41.0	RT	1				1	704.51	702.10	-	-	-	702.10	S8	
S9	296+41.94	41.0	RT	1				1	704.58	701.91	702.01	-	-	701.91	S9	
S10	299+11.86	41.2	RT	1				1	703.07	700.63	-	-	-	700.63	S10	
S11	299+01.86	41.1	RT	1				1	703.11	700.44	700.54	-	-	700.44	S11	
S12	296+42.00	91.1	RT	1				1	704.29	701.78	701.78	-	-	-	S12	
S13	296+52.00	90.9	RT	1				1	704.26	701.59	-	701.59	701.69	-	S13	
S14	299+12.16	83.3	RT	1				1	702.95	700.51	-	-	-	700.51	S14	
S15	299+02.16	83.5	RT	1				1	702.99	700.32	700.42	700.32	-	-	S15	
TOTALS				15	2		1	2								

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 DATE: 10/15/2020



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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

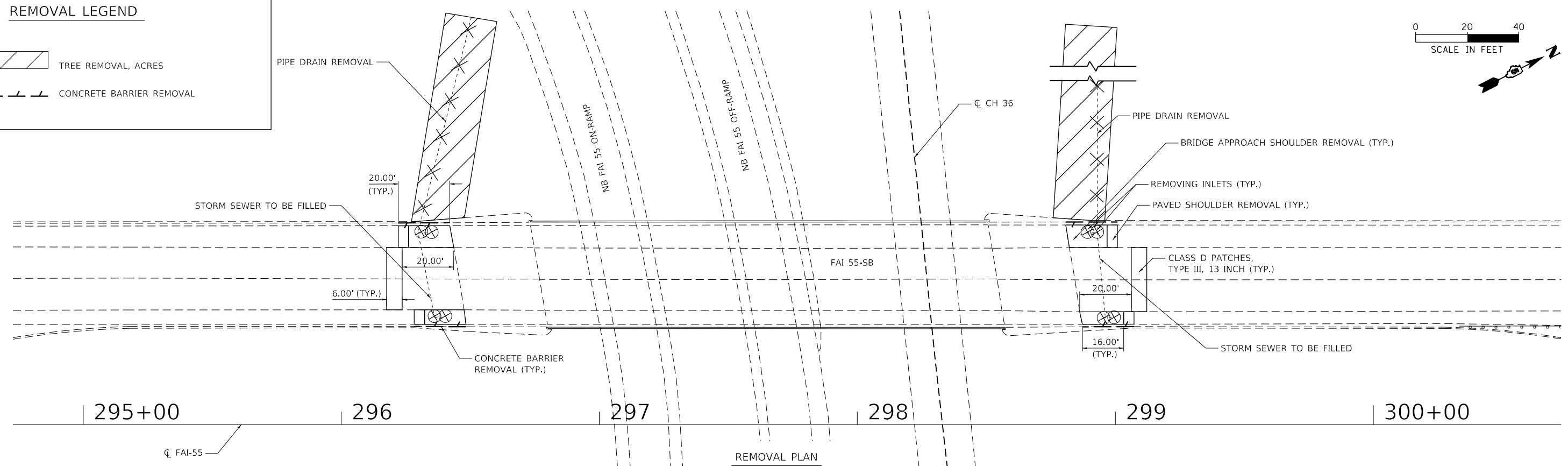
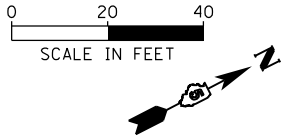
FUNKS GROVE STRUCTURE REHABILITATION
SCHEDULE OF QUANTITIES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	12
CONTRACT NO. 70D16				
ILLINOIS FED. AID PROJECT				

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



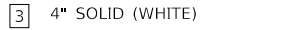
REMOVAL LEGEND

-  TREE REMOVAL, ACRES
-  CONCRETE BARRIER REMOVAL

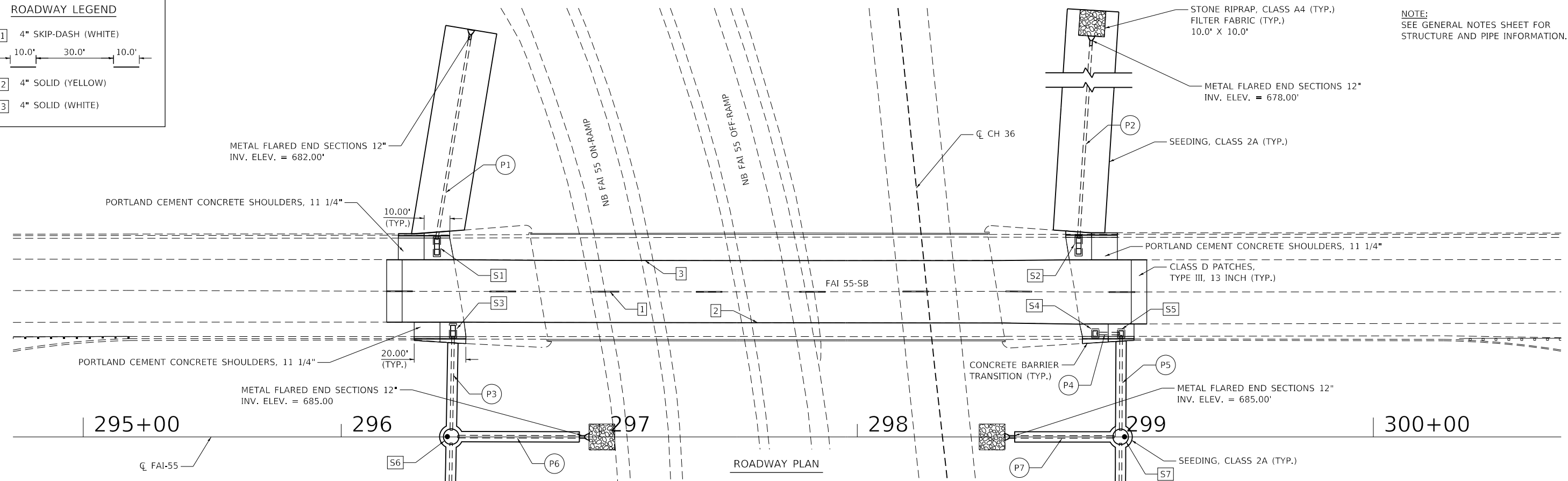


REMOVAL PLAN MATCHLINE/SEE SHEET 15

ROADWAY LEGEND

-  1 4" SKIP-DASH (WHITE)
-  2 4" SOLID (YELLOW)
-  3 4" SOLID (WHITE)

NOTE:
SEE GENERAL NOTES SHEET FOR
STRUCTURE AND PIPE INFORMATION.



ROADWAY PLAN MATCHLINE/SEE SHEET 15

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PLOT SCALE = 40.0000' / in.	DRAWN - WLL	REVISED -
PLOT DATE = 10/15/2020	CHECKED - JDS	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FUNKS GROVE STRUCTURE REHABILITATION
SOUTHBOUND FAI-55 ROADWAY PLAN**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	14
CONTRACT NO. 70D16				
ILLINOIS FED. AID PROJECT				

295+00

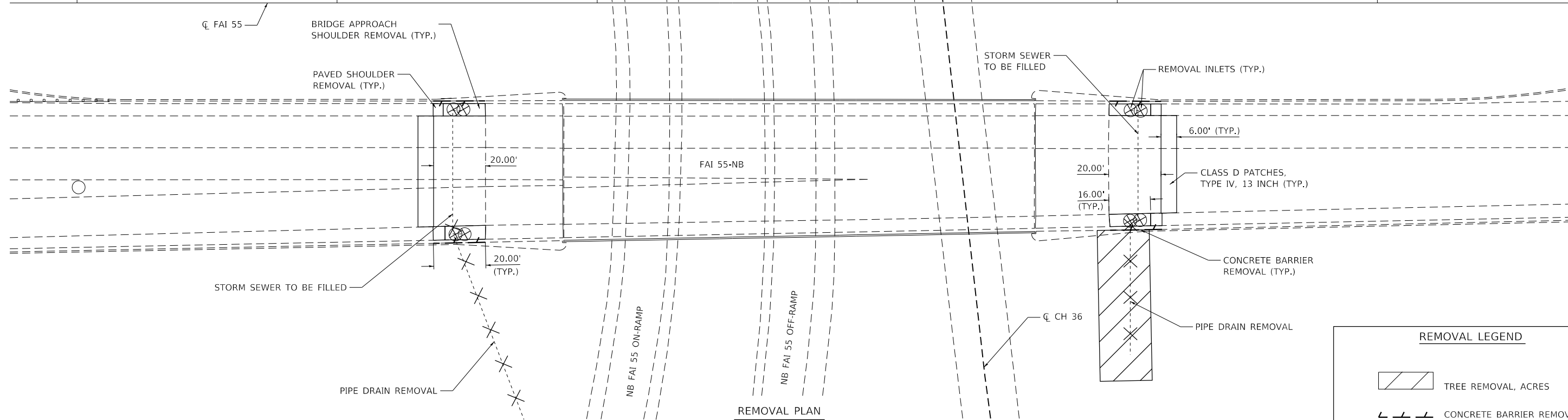
296

297

298

299

300+00



REMOVAL LEGEND

- TREE REMOVAL, ACRES
- CONCRETE BARRIER REMOVAL

295+00

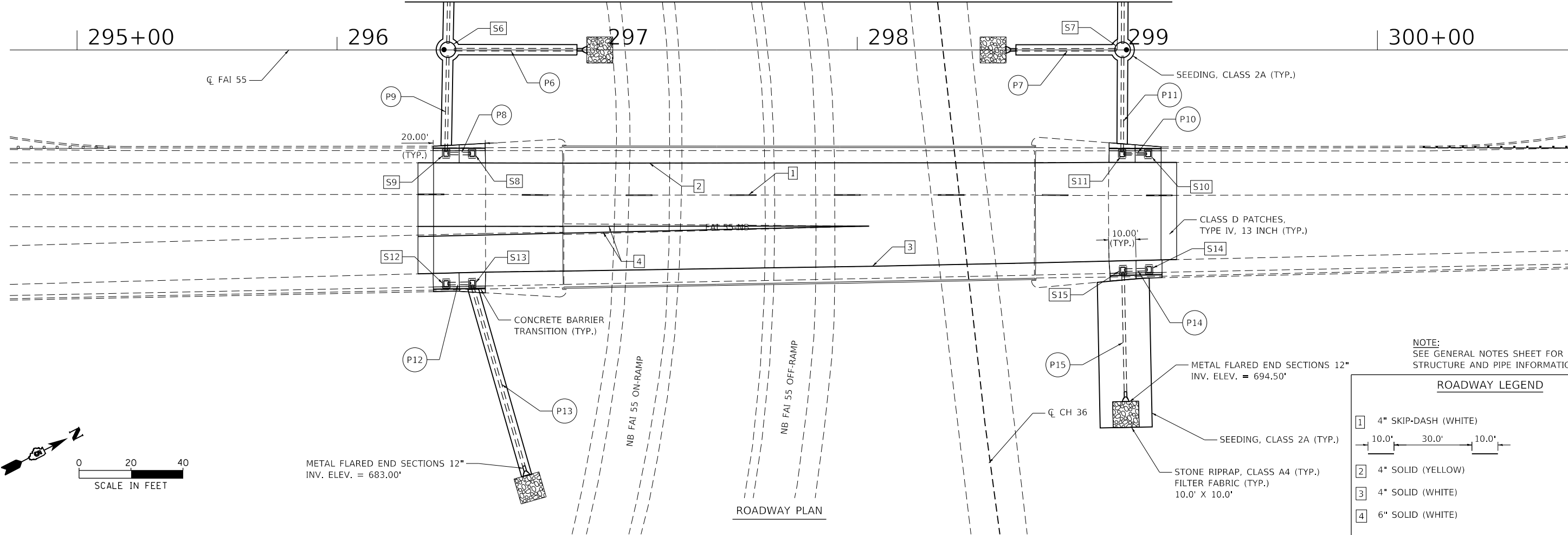
296

297

298

299

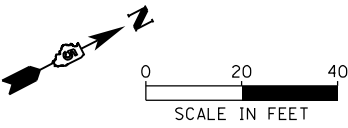
300+00



NOTE:
SEE GENERAL NOTES SHEET FOR STRUCTURE AND PIPE INFORMATION.

ROADWAY LEGEND

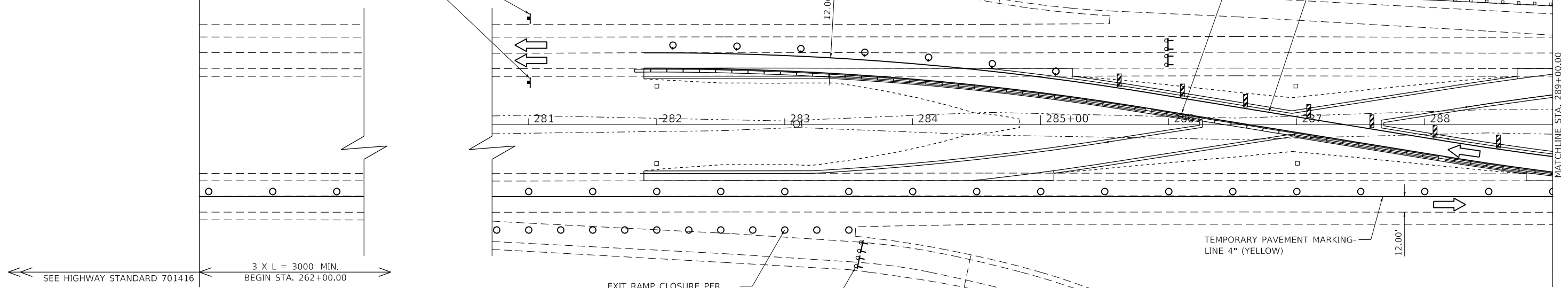
- 4" SKIP-DASH (WHITE)
10.0' 30.0' 10.0'
- 4" SOLID (YELLOW)
- 4" SOLID (WHITE)
- 6" SOLID (WHITE)



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	PLOT DATE = 10/15/2020	CHECKED - JDS	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 70D16				
												ILLINOIS FED. AID PROJECT	

STA. 281+00.00
 END WORK ZONE SPEED LIMIT
 G20-1103-6036

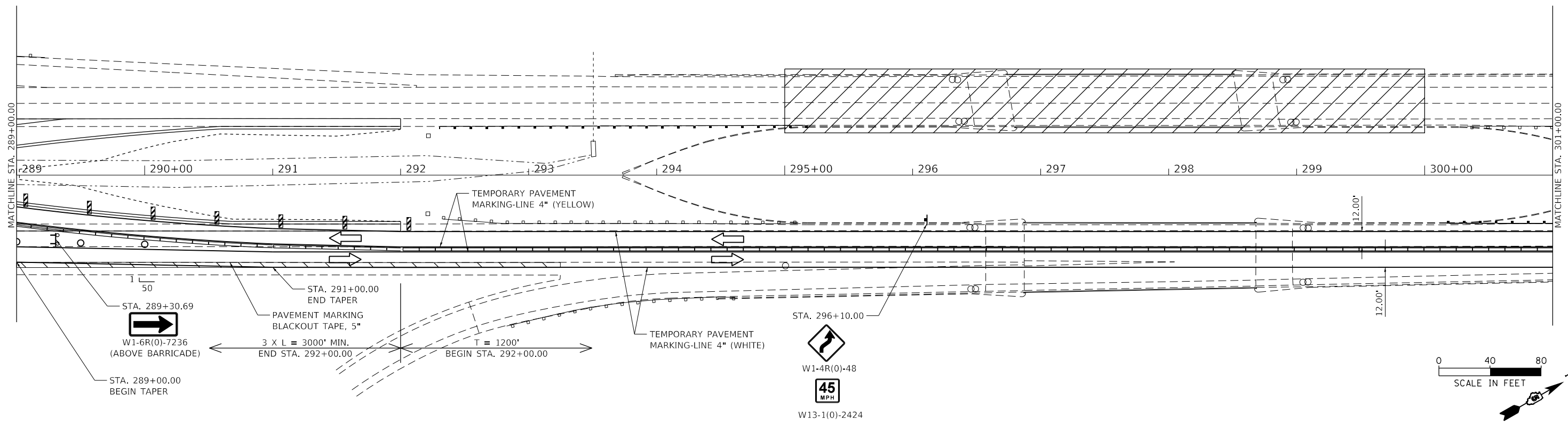


SEE HIGHWAY STANDARD 701416
 3 X L = 3000' MIN.
 BEGIN STA. 262+00.00

EXIT RAMP CLOSURE PER
 HIGHWAY STANDARD 701451

STAGING LEGEND	
	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2" & HOT-MIX ASPHALT SHOULDERS, 1 1/2"
	WORK AREA
	SIGN ON PORTABLE OR PERMANENT SUPPORT
	DRUM WITH STEADY BURNING LIGHT
	DRUM
	TYPE III BARRICADE WITH FLASHING LIGHTS
	VERTICAL PANEL
	TYPE II BARRICADE
	DIRECTION OF TRAVEL
	TEMPORARY CONCRETE BARRIER

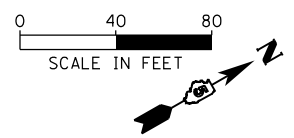
STA. 283+55.00
 ROAD CLOSED
 R11-2



STA. 289+30.69
 W1-6R(0)-7236
 (ABOVE BARRICADE)
 STA. 289+00.00
 BEGIN TAPER

STA. 291+00.00
 END TAPER
 PAVEMENT MARKING
 BLACKOUT TAPE, 5"
 3 X L = 3000' MIN.
 END STA. 292+00.00
 T = 1200'
 BEGIN STA. 292+00.00

STA. 296+10.00
 W1-4R(0)-48
 45
 MPH
 W13-1(0)-2424



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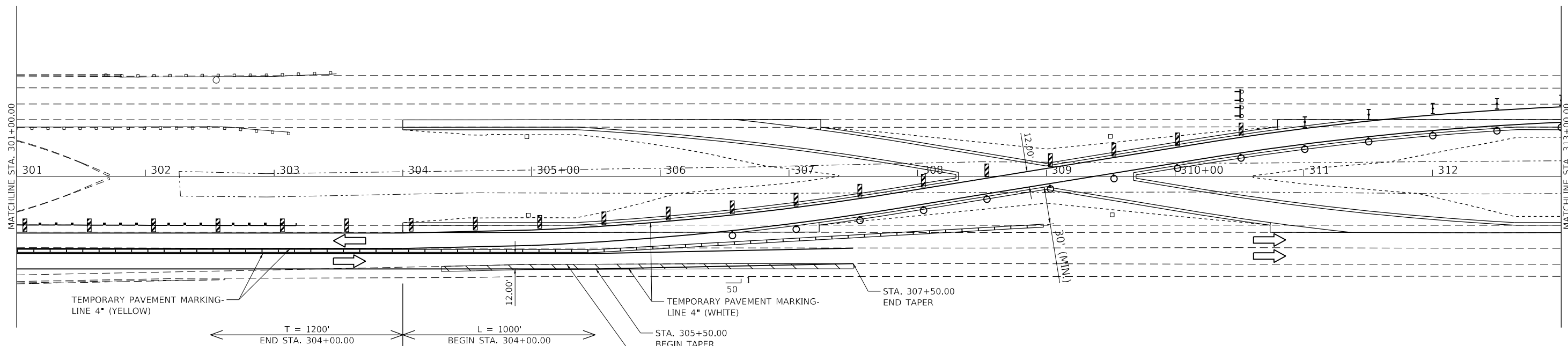
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		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FUNKS GROVE STRUCTURE REHABILITATION
 SOUTHBOUND FAI-55 TRAFFIC CONTROL

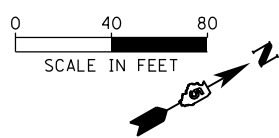
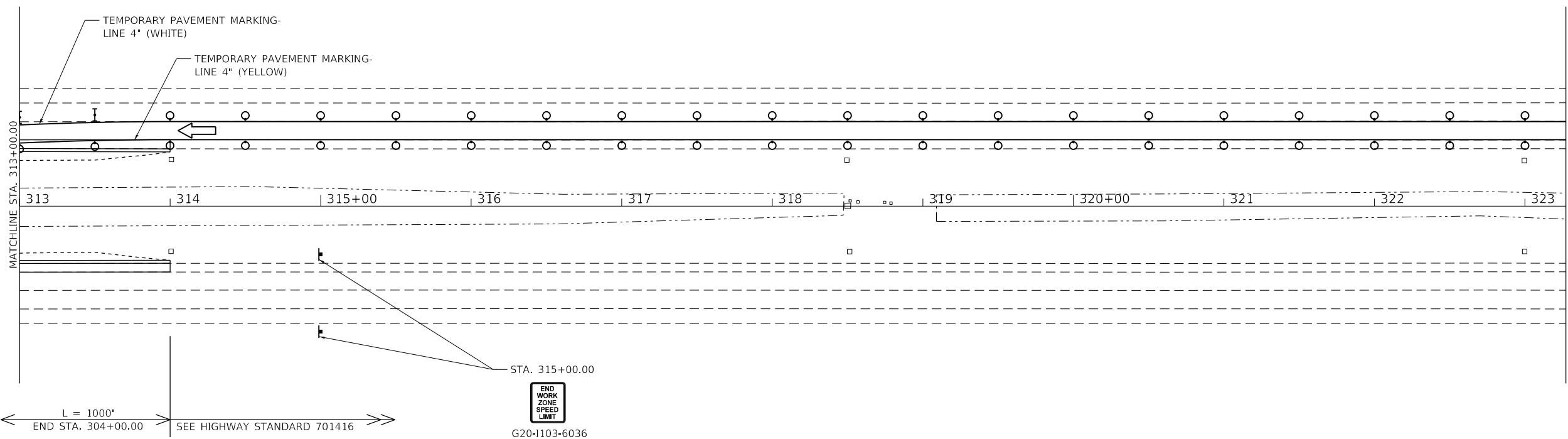
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	19
CONTRACT NO. 70D16				
ILLINOIS FED. AID PROJECT				

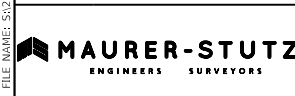


STAGING LEGEND

	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2" & HOT-MIX ASPHALT SHOULDERS, 1 1/2"		TYPE III BARRICADE WITH FLASHING LIGHTS
	WORK AREA		VERTICAL PANEL
	SIGN ON PORTABLE OR PERMANENT SUPPORT		TYPE II BARRICADE
	DRUM WITH STEADY BURNING LIGHT		DIRECTION OF TRAVEL
	DRUM		TEMPORARY CONCRETE BARRIER



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PLOT SCALE = 80.0000' / in.	DRAWN - WLL	REVISED -
PLOT DATE = 10/15/2020	CHECKED - JDS	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FUNKS GROVE STRUCTURE REHABILITATION
SOUTHBOUND I-55 TRAFFIC CONTROL**

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

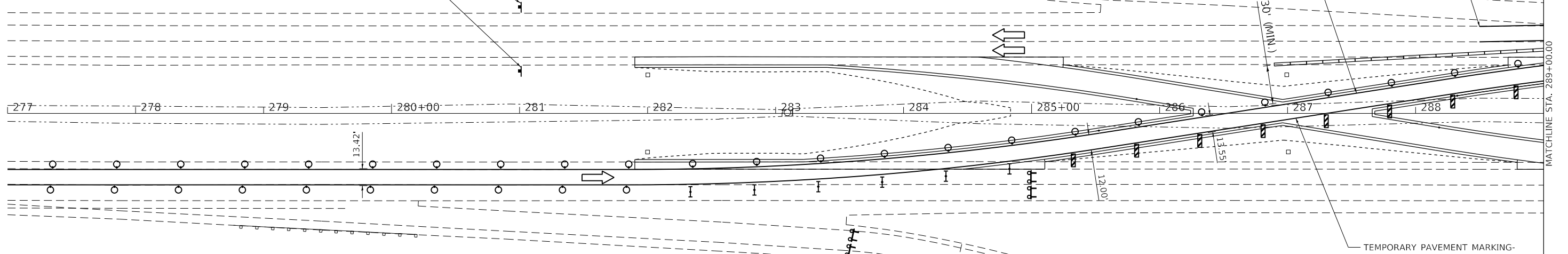
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55	(57-9HB)BR	MCLEAN	67	20
CONTRACT NO. 70D16				
ILLINOIS FED. AID PROJECT				

STA. 281+00.00
 END WORK ZONE SPEED LIMIT
 G20-1103-6036

SEE HIGHWAY STANDARD 701416
 L = 1000'
 BEGIN STA. 282+00.00

TEMPORARY PAVEMENT MARKING-
 LINE 4" (YELLOW)

STA. 288+50.00
 BEGIN TAPER



STAGING LEGEND

- HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2" & HOT-MIX ASPHALT SHOULDERS, 1 1/2"
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- DRUM WITH STEADY BURNING LIGHT
- DRUM
- TYPE III BARRICADE WITH FLASHING LIGHTS
- VERTICAL PANEL
- TYPE II BARRICADE
- DIRECTION OF TRAVEL
- TEMPORARY CONCRETE BARRIER

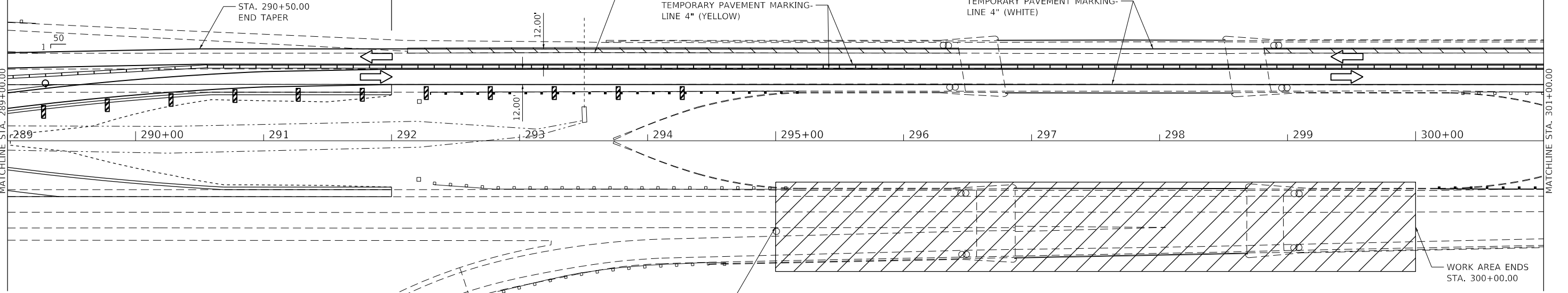
STA. 283+55.00
 ROAD CLOSED
 R11-2

L = 1000'
 END STA. 292+00.00
 T = 1200'
 BEGIN STA. 292+00.00

PAVEMENT MARKING BLACKOUT TAPE, 5"

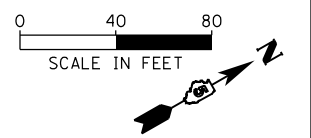
TEMPORARY PAVEMENT MARKING-
 LINE 4" (YELLOW)

TEMPORARY PAVEMENT MARKING-
 LINE 4" (WHITE)



WORK AREA BEGINS
 STA. 295+00.00

WORK AREA ENDS
 STA. 300+00.00



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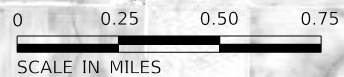
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DRAWN - WLL	REVISED -	
PLOT SCALE = 80.0000 ' / in.	CHECKED - JDS	REVISED -
PLOT DATE = 10/15/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FUNKS GROVE STRUCTURE REHABILITATION
 NORTHBOUND FAI-55 TRAFFIC CONTROL**

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

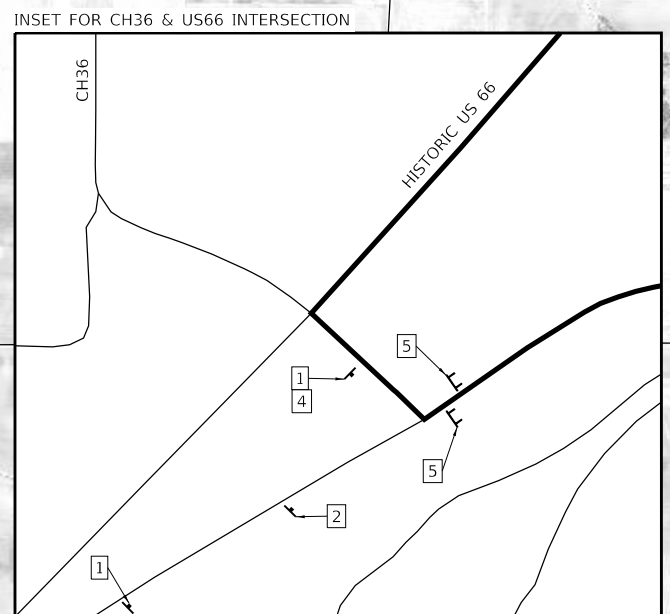
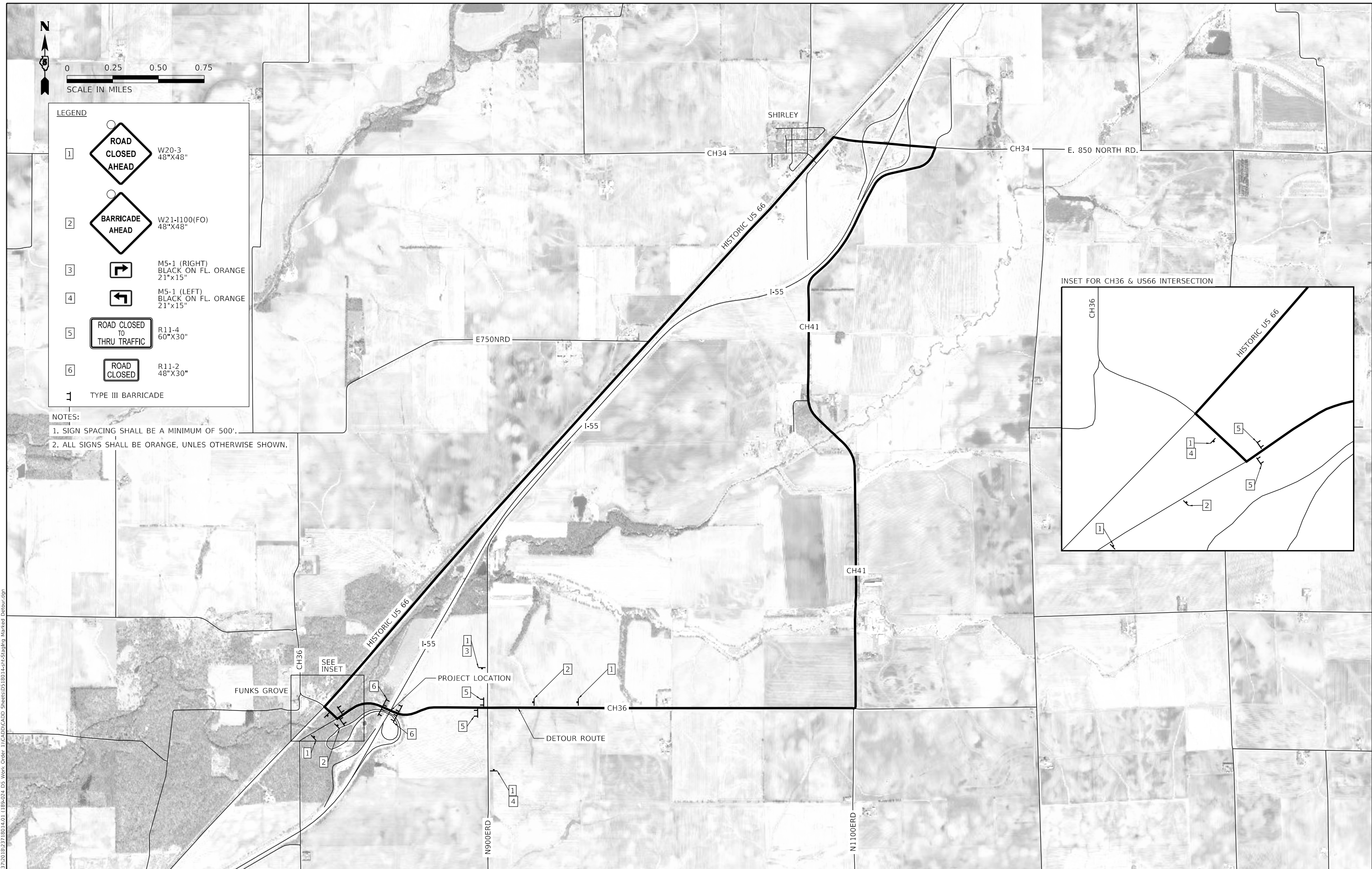
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	21
CONTRACT NO. 70D16				
ILLINOIS FED. AID PROJECT				



LEGEND

1		ROAD CLOSED AHEAD W20-3 48"X48"
2		BARRICADE AHEAD W21-1100(FO) 48"X48"
3		M5-1 (RIGHT) BLACK ON FL. ORANGE 21"X15"
4		M5-1 (LEFT) BLACK ON FL. ORANGE 21"X15"
5		ROAD CLOSED TO THRU TRAFFIC R11-4 60"X30"
6		ROAD CLOSED R11-2 48"X30"
7		TYPE III BARRICADE

- NOTES:**
1. SIGN SPACING SHALL BE A MINIMUM OF 500'.
 2. ALL SIGNS SHALL BE ORANGE, UNLESS OTHERWISE SHOWN.



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MAURER-STUTZ
ENGINEERS SURVEYORS

USER NAME = willewis	DESIGNED - JDS	REVISED -
PLOT SCALE = 2500.0000' / in.	DRAWN - WLL	REVISED -
PLOT DATE = 10/15/2020	CHECKED - JDS	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FUNKS GROVE STRUCTURE REHABILITATION
COUNTY HIGHWAY 36 ROAD CLOSURE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	24
CONTRACT NO. 70D16				
ILLINOIS		FED. AID PROJECT		



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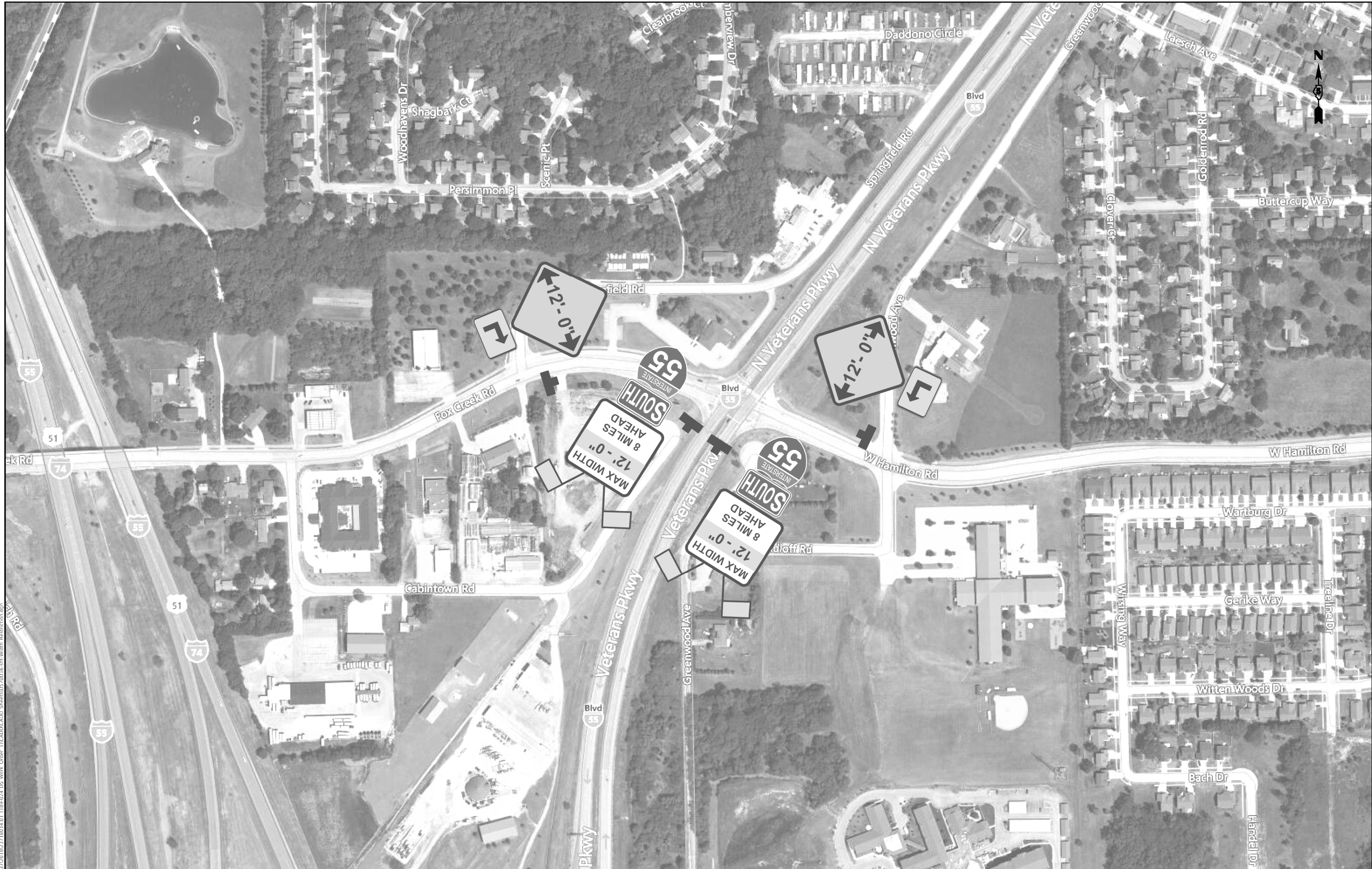
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	PLOT DATE = 10/15/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FUNKS GROVE STRUCTURE REHABILITATION
WIDTH RESTRICTION SIGN LOCATION DETAIL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	25
				CONTRACT NO. 70D16
		ILLINOIS	FED. AID PROJECT	

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



MODEL - Default
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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
SCALE:	SHEET 2 OF 5 SHEETS STA. TO STA.

FUNKS GROVE STRUCTURE REHABILITATION WIDTH RESTRICTION SIGN LOCATION DETAIL				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	26
CONTRACT NO. 70D16				
ILLINOIS FED. AID PROJECT				

CONTRACT NO. 70D16				
ILLINOIS FED. AID PROJECT				



BLOOMINGTON

55 INTERSTATE
8 MILES AHEAD
12' - 0"
MAX WIDTH

55 INTERSTATE
8 MILES AHEAD
12' - 0"
MAX WIDTH

MODEL - Default
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 PLOT DATE - 10/15/2020



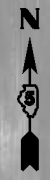
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PLOT DATE = 10/15/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**FUNKS GROVE STRUCTURE REHABILITATION
WIDTH RESTRICTION SIGN LOCATION DETAIL**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	27
			CONTRACT NO. 70D16	
		ILLINOIS	FED. AID PROJECT	



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		DRAWN - WLL	REVISED -
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	PLOT DATE = 10/15/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FUNKS GROVE STRUCTURE REHABILITATION
WIDTH RESTRICTION SIGN LOCATION DETAIL

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	28
			CONTRACT NO. 70D16	
		ILLINOIS	FED. AID PROJECT	



MODEL - Default
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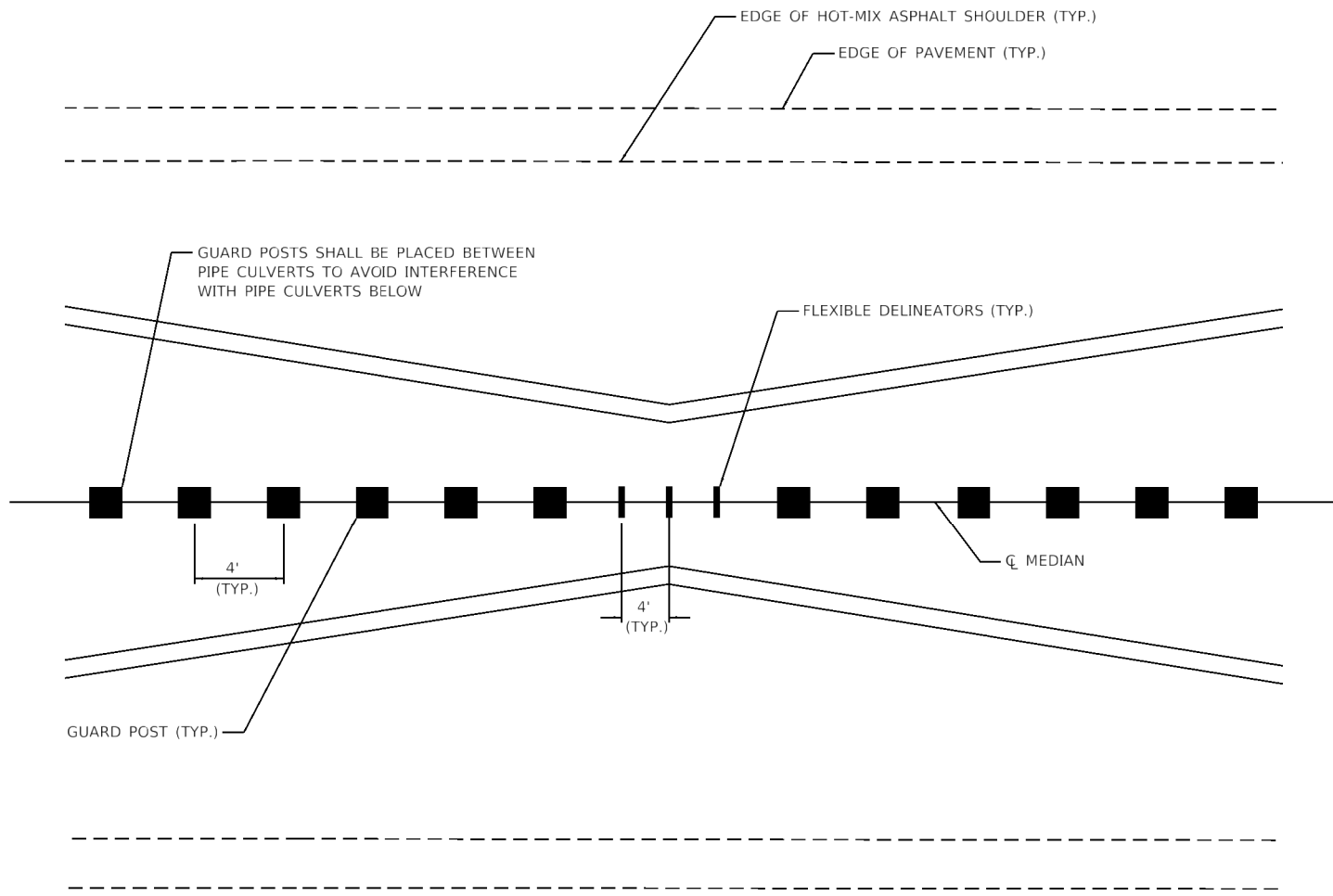
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		DRAWN - WLL	REVISED -
	PLOT SCALE = 2,000' / in	CHECKED - JDS	REVISED -
	PLOT DATE = 10/15/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

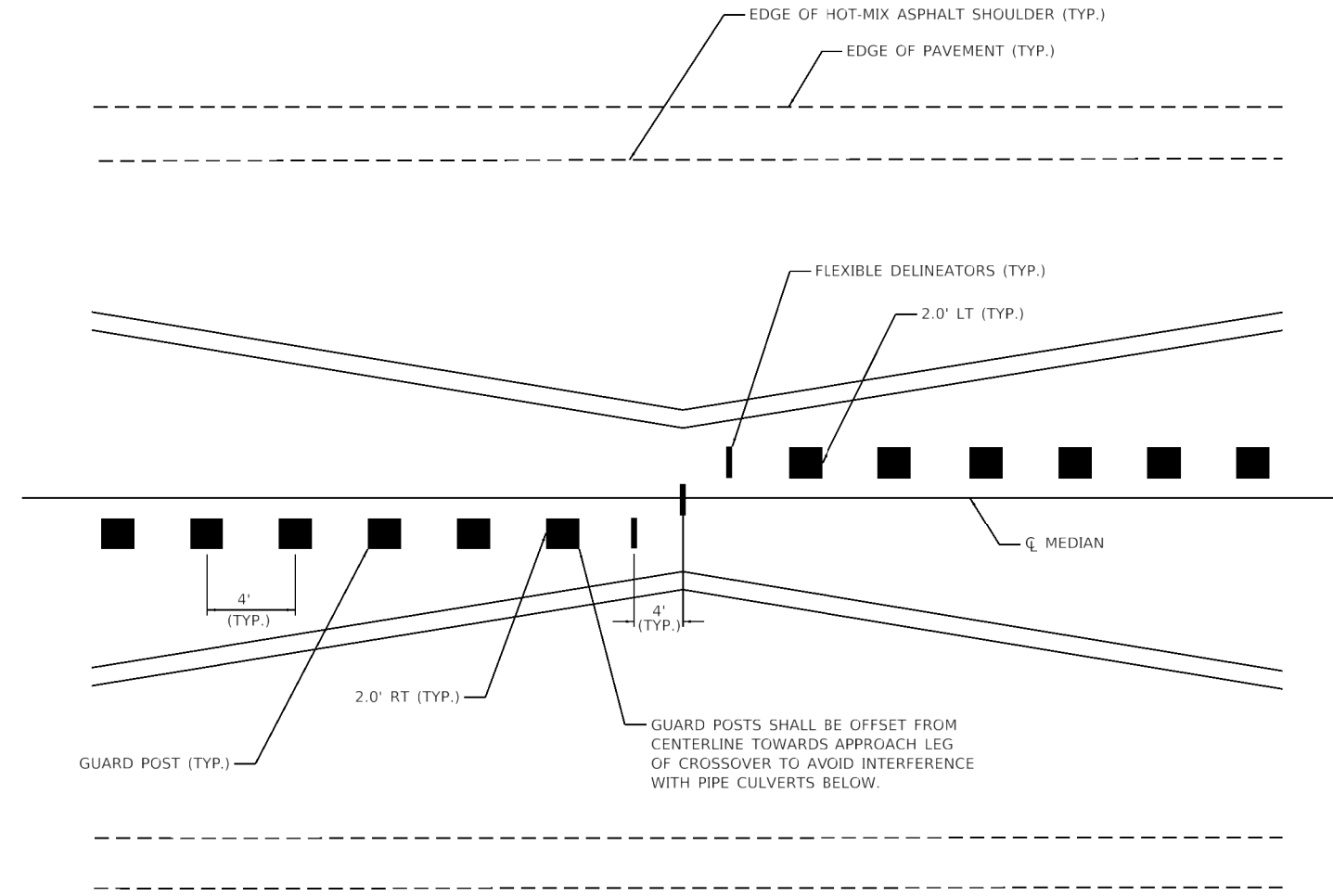
FUNKS GROVE STRUCTURE REHABILITATION
WIDTH RESTRICTION SIGN LOCATION DETAIL

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	29
CONTRACT NO. 70D16				
		ILLINOIS	FED. AID PROJECT	

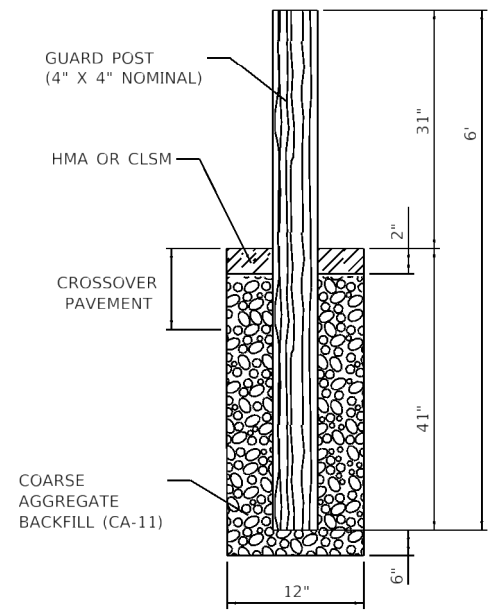
SCALE: SHEET 5 OF 5 SHEETS STA. TO STA.



SOUTH CROSSOVER PLAN
NOT TO SCALE



NORTH CROSSOVER PLAN
NOT TO SCALE



SECTION THRU POST

- NOTES:
1. PROPOSED GUARDPOSTS USED TO DIVIDE ROADWAY AT UNAUTHORIZED MEDIAN CROSSOVERS.
 2. ALL LABOR EQUIPMENT, AND MATERIALS NECESSARY FOR INSTALLATION OF GUARD POSTS AS DETAILED HEREIN SHALL BE INCLUDED IN THE COST FOR "GUARD POSTS".
 3. PLACE MIDDLE FLEXIBLE DELINEATOR AT THE APPROXIMATE CENTER OF MANHOLE STRUCTURE.

MODEL: Default
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USER NAME = willewis	DESIGNED - JDS	REVISED -
DRAWN - WLL	REVISED -	
PLOT SCALE = 40.0000' / 1"	CHECKED - JDS	REVISED -
PLOT DATE = 10/15/2020	DATE -	REVISED -

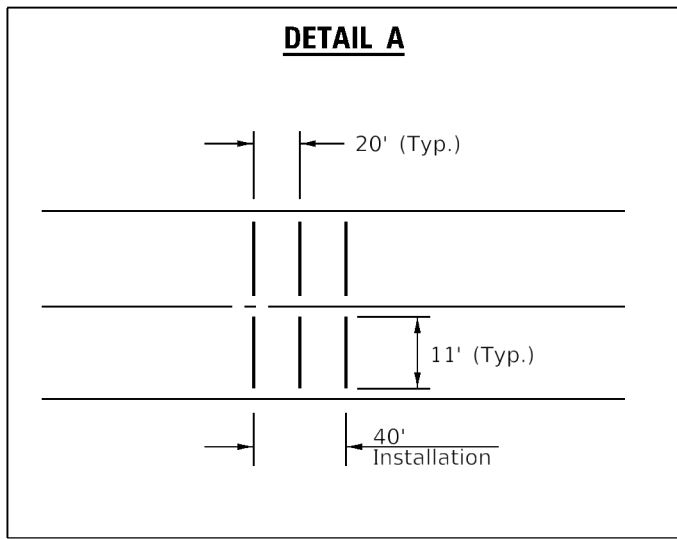
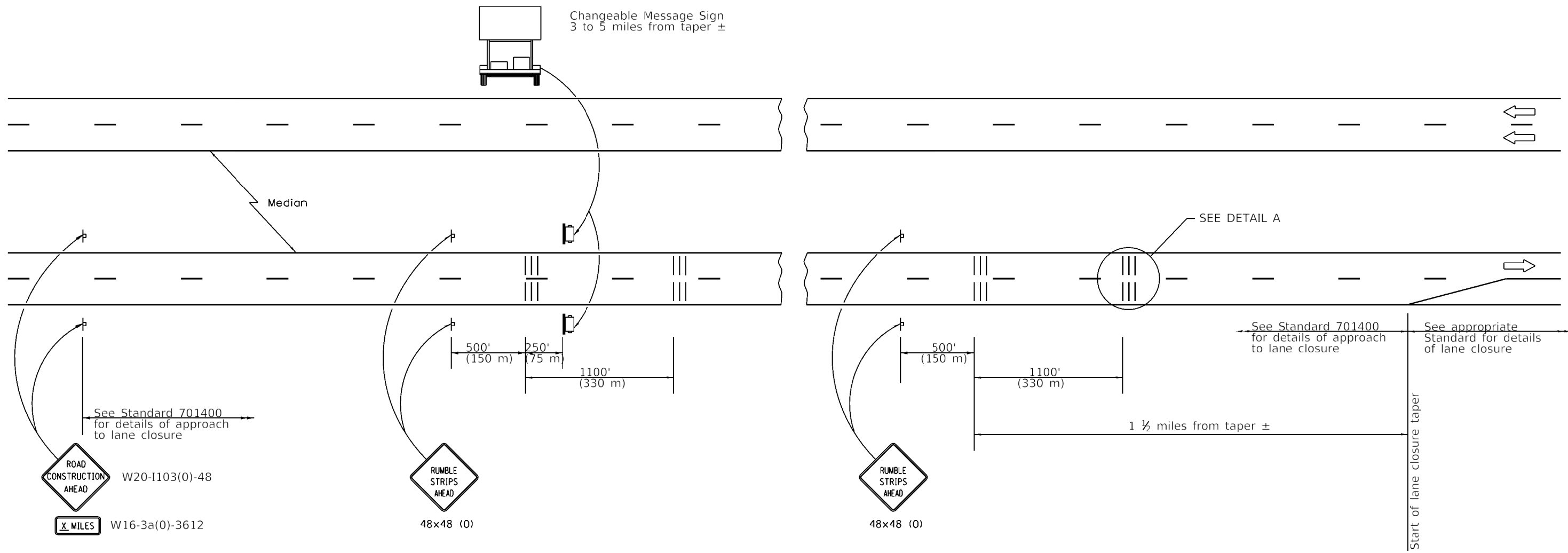
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FUNKS GROVE STRUCTURE REHABILITATION
MEDIAN GUARD POST DETAIL

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	30
			CONTRACT NO. 70D16	
		ILLINOIS FED. AID PROJECT		

DETAIL FOR TEMPORARY RUMBLE STRIPS (SPECIAL)



SYMBOLS

- ┆ Sign
- ||| Temporary Rumble Strips (Special)
- ☐ Trailer Mounted Sign

GENERAL NOTES

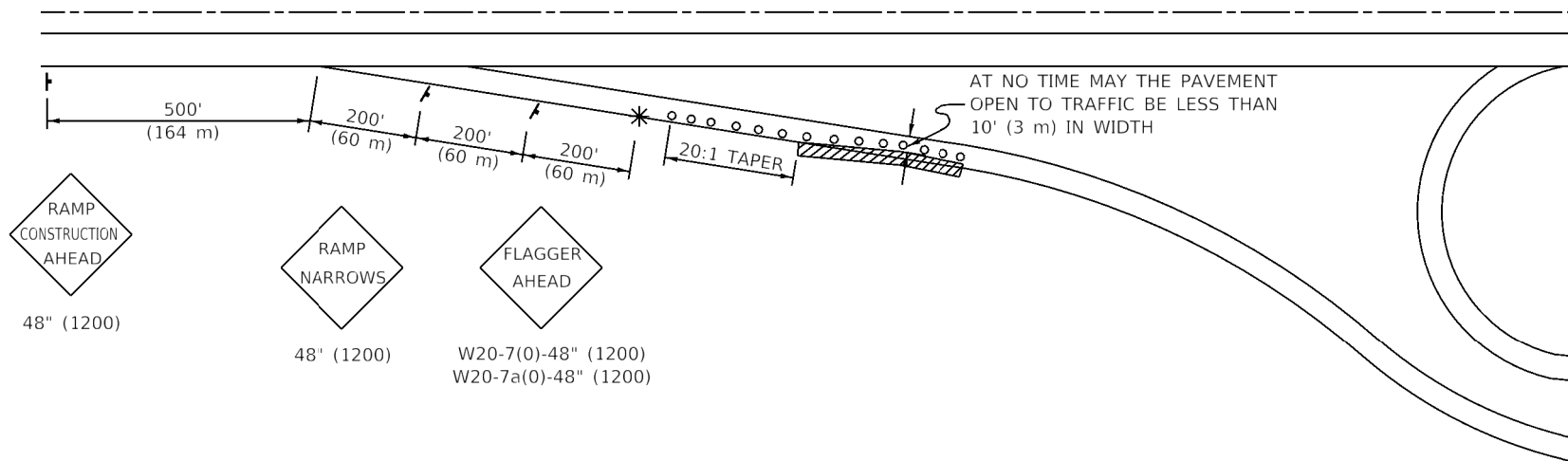
Remove the Temporary Rumble Strips (Special) prior to the removal of the advanced warning signs.

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: Default; FILE NAME: S:\373701\B23718014.01_1189-024_D5_Work_Order_11\CADD\CADD_Sheets\0518014.sht Detail: Temporary Rumble Strips.dgn

	USER NAME = willewis	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FUNKS GROVE STRUCTURE REHABILITATION TEMPORARY RUMBLE STRIPS (SPECIAL) DETAIL	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / ft.	CHECKED -	REVISED -			55	(57-9HB)BR	MCLEAN	67	31
	PLOT DATE = 10/15/2020	DATE -	REVISED -			CONTRACT NO. 70D16		ILLINOIS FED. AID PROJECT		

APPLICATION NO. 1
DAY OPERATION ONLY
PARTIAL RAMP CLOSURE



GENERAL NOTES

CONSTRUCTION OPERATIONS SHALL BE CONFINED TO AN AREA NARROW ENOUGH THAT A MINIMUM OF 10' (3 m) OF PAVEMENT SHALL BE OPEN TO TRAFFIC AT ALL TIMES.

FULL WIDTH PAVEMENT ON THE RAMPS SHALL BE OPEN TO TRAFFIC AT NIGHT.

WHEN NO WORK IS BEING PERFORMED, THE FLAGGER WILL NOT BE REQUIRED. IF THE FLAGGER IS NOT PRESENT, THE FLAGGER SIGNS SHALL BE REMOVED OR COVERED.

ALL SIGNS SHALL BE POST MOUNTED IF WORK IN THE AREA EXCEEDS FOUR DAYS OF DAYTIME OPERATIONS.

LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.

ALL VEHICLES, EQUIPMENT, WORKERS (EXCEPT FLAGGER) AND THEIR ACTIVITIES ARE RESTRICTED AT ALL TIMES TO ONE SIDE OF THE PAVEMENT UNLESS OTHERWISE AUTHORIZED BY THE DISTRICT ENGINEER.

SYMBOLS

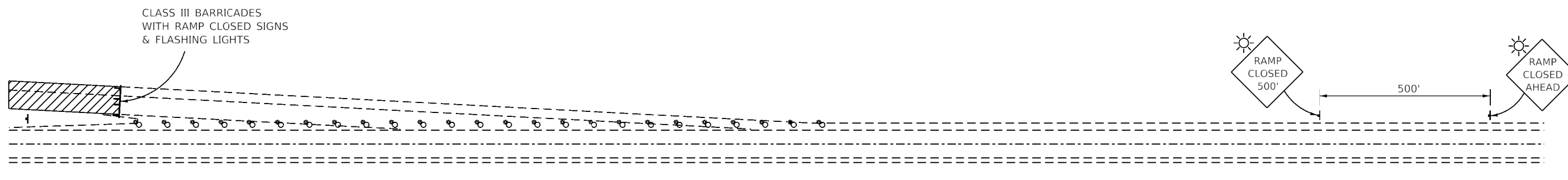
- (APPLICATION NO. 1) TYPE I OR II BARRICADES OR DRUMS @ 50' (15 m) CTS.
- ⦿ (APPLICATION NO. 2) TYPE I OR II BARRICADES OR DRUMS @ 25' (7.5 m) CTS. W/STEADY BURNING LIGHTS
- * (APPLICATION NO. 1) FLAGGER PLACED AS DIRECTED BY THE ENGINEER
- † SIGN ON PORTABLE OR PERMANENT SUPPORT
- ▨ WORK AREA

TYPICAL APPLICATIONS

- PAVEMENT PATCHING
- PIPE UNDERDRAINS
- HMA RESURFACING

TRAFFIC CONTROL FOR ALL RAMPS SHALL BE IN ACCORDANCE WITH THE APPROPRIATE APPLICATION OF PLAN DETAIL TRAFFIC CONTROL FOR RAMPS AND WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICES FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701401 AND TRAFFIC CONTROL AND PROTECTION, STANDARD 701406.

APPLICATION NO. 2
RAMP CLOSURE



GENERAL NOTES

STEADY BURN LIGHTS ARE NOT REQUIRED FOR DAYTIME OPERATIONS.

CONTACT THE DISTRICT TRAFFIC OPERATIONS ENGINEER AT 217-465-4181, ONE WEEK PRIOR TO CLOSING THE RAMP.

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

MODEL: D:\default\111327101\B237180114.01 (1189-024 D5 Work) Order: 11\CADD\CADD_Sheets\05180114.dwg D5 CADD Dwg 70103710.dwg

USER NAME = willewis	DESIGNED -	REVISED - 11/06
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 10/15/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL FOR RAMPS

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

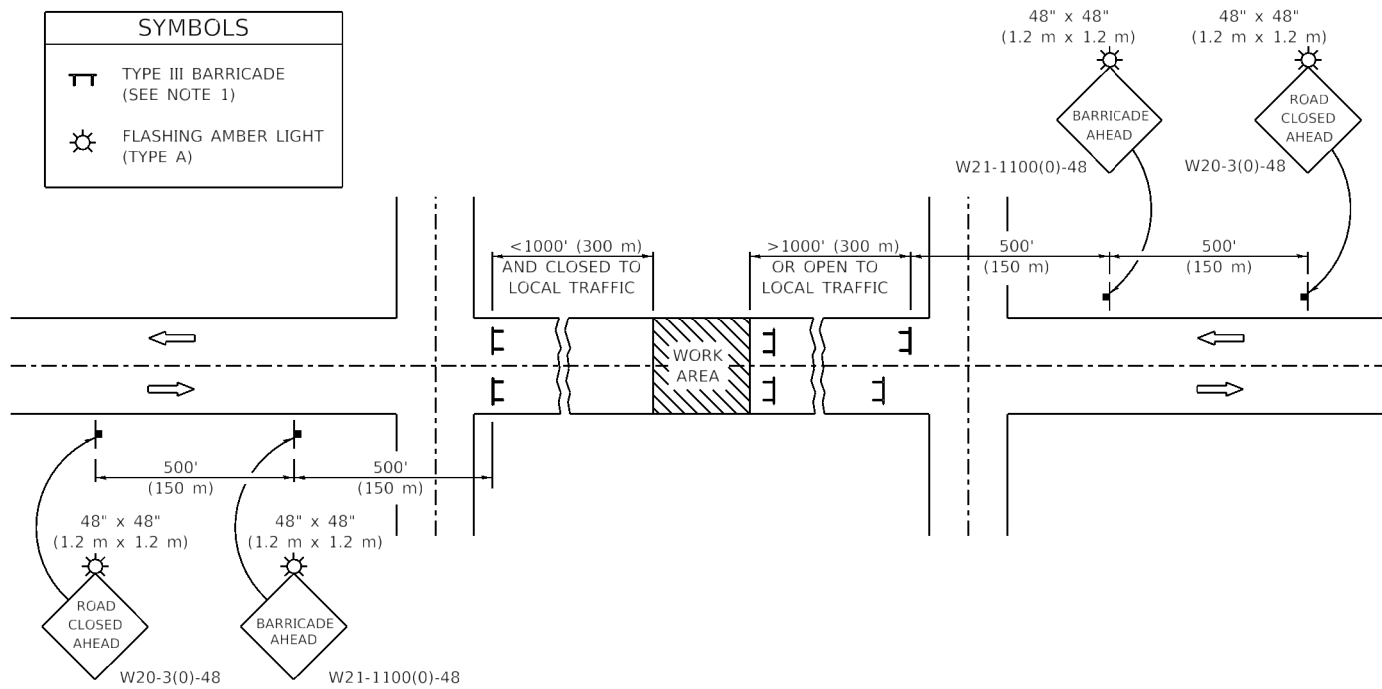
DISTRICT 5 DETAIL NO. 70103710

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	32
			CONTRACT NO. 70D16	
		ILLINOIS	FED. AID PROJECT	

ROAD CLOSURE

SIDEROAD / STREET CLOSURE

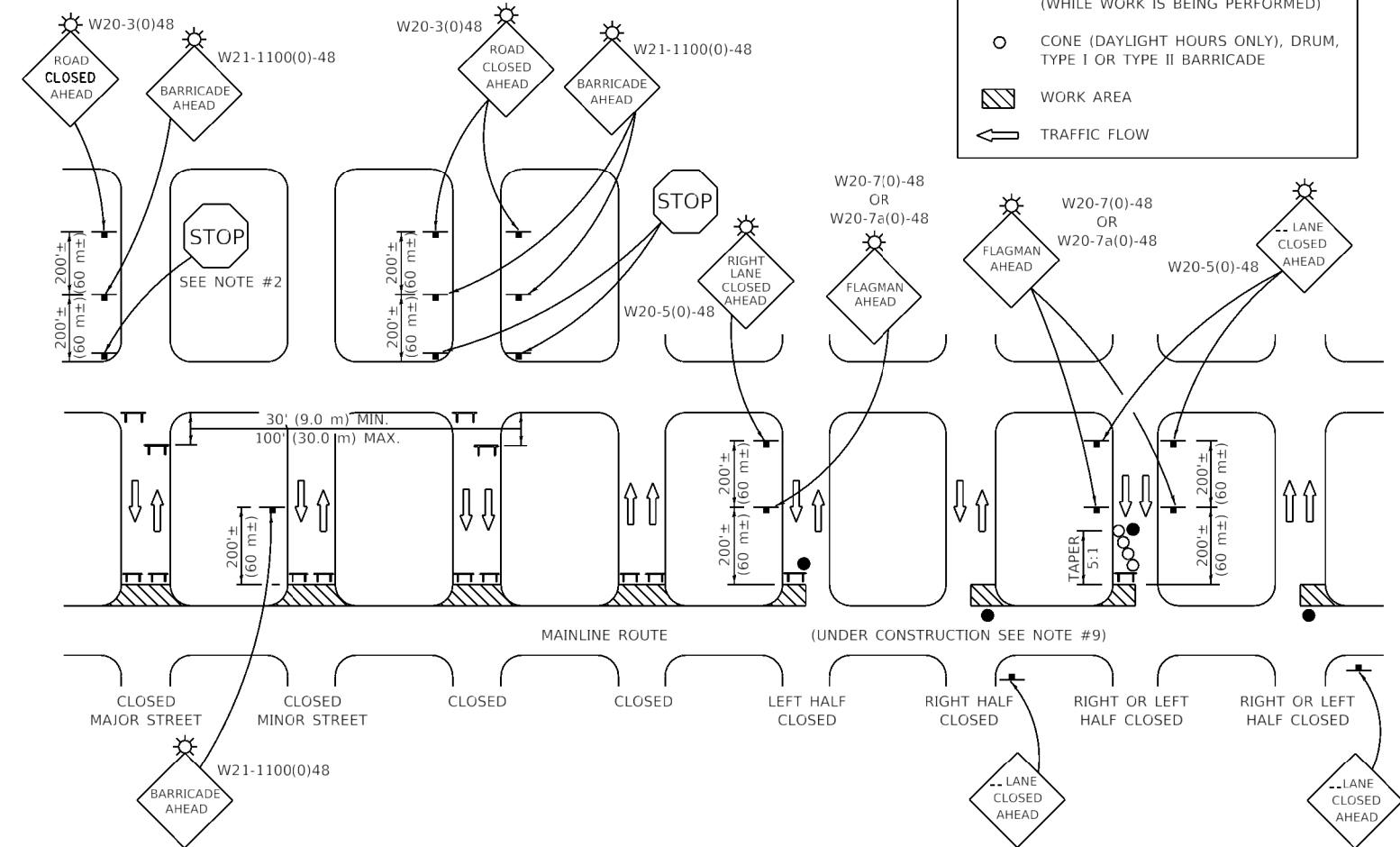
SYMBOLS	
	TYPE III BARRICADE (SEE NOTE 1)
	FLASHING AMBER LIGHT (TYPE A)



GENERAL NOTES

- TYPE III BARRICADES SHALL BE AS SHOWN ON STANDARD 701901 "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- IF THE ROAD IS OPEN TO LOCAL TRAFFIC OR EXCEEDS 1000' (300 m). ANOTHER SET OF TYPE III BARRICADES, EQUIPPED AS IN NOTE 1 ABOVE, SHALL BE PLACED AT EACH END OF THE WORK AREA.
- WHEN A STOP CONDITION EXISTS, NO SIGNS ARE REQUIRED IN ADVANCE OF THE "STOP" SIGN WHEN THE ROAD IS CLOSED WITHIN 100' (30 m) OF THE INTERSECTION.
- STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & DESIGN OF TYPE III BARRICADES.
- IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON AN NCHRP 350 TEMPORARY SIGN SUPPORT DIRECTLY IN FRONT OF THE BARRICADE.
- REFLECTORIZED STRIPING SHALL APPEAR ON BOTH SIDES OF THE TYPE III BARRICADES IF ROAD IS OPEN TO LOCAL TRAFFIC.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- A MINIMUM OF TWO FLASHING LIGHTS SHALL BE USED AT NIGHT ON EACH APPROACH IN ADVANCE OF THE WORK AREA. FLASHING LIGHTS SHALL BE INSTALLED ABOVE THE FIRST TWO SIGNS IN THE SERIES.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT. 725 AND BT. 726 ARE REQUIRED.
- WHEN A SIDEROAD INTERSECTS THE HIGHWAY ON WHICH WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC DEVICES SHALL BE ERECTED AND PROVIDED AS DIRECTED BY THE ENGINEER.
- AN ADDITIONAL SIGN MAY BE REQUIRED AT A MAJOR INTERSECTING ROAD IN ADVANCE OF THE CLOSURE. THE ADDITIONAL SIGN SHALL GIVE THE DISTANCE TO THE BARRICADE IN MILES OR FRACTIONS OF A MILE.

SYMBOLS	
	TYPE III BARRICADE (SEE NOTE)
	FLASHING LIGHT
	FLAGGER WITH TRAFFIC CONTROL SIGN (WHILE WORK IS BEING PERFORMED)
	CONE (DAYLIGHT HOURS ONLY), DRUM, TYPE I OR TYPE II BARRICADE
	WORK AREA
	TRAFFIC FLOW



GENERAL NOTES

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

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

DISTRICT 5 DETAIL NO. 7020000

USER NAME = willewis	DESIGNED -	REVISED - 11/06
	DRAWN -	REVISED - 12/07
PLOT SCALE = 40.0000' / 1"	CHECKED -	REVISED - 09/09 KJT
PLOT DATE = 10/15/2020	DATE -	REVISED -

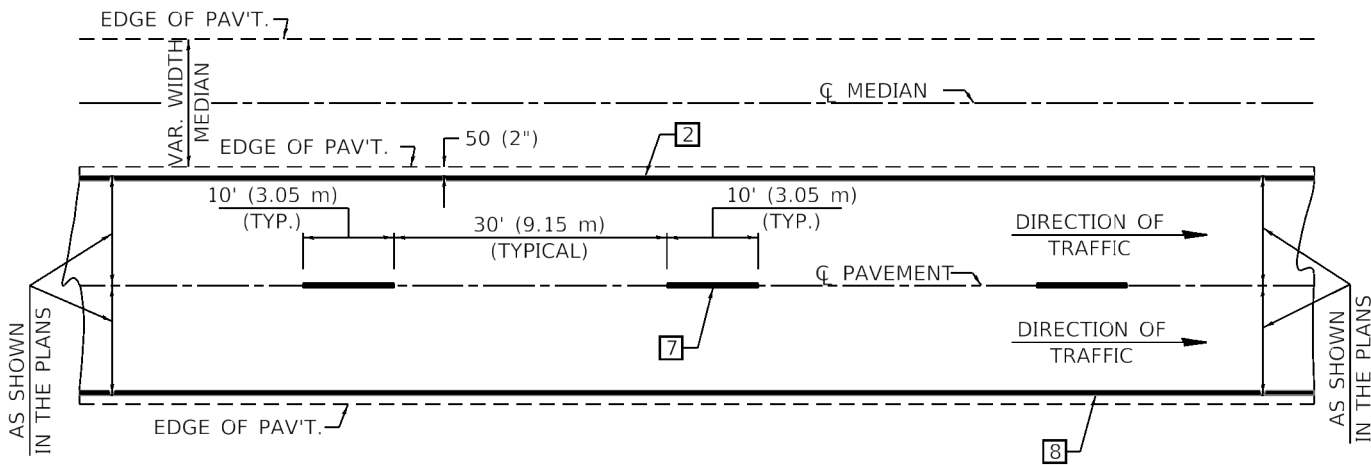
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	33
CONTRACT NO. 70D16				
ILLINOIS FED. AID PROJECT				

CENTERLINE INTERSTATE OR MULTI-LANE TWO WAY DIVIDED HIGHWAY

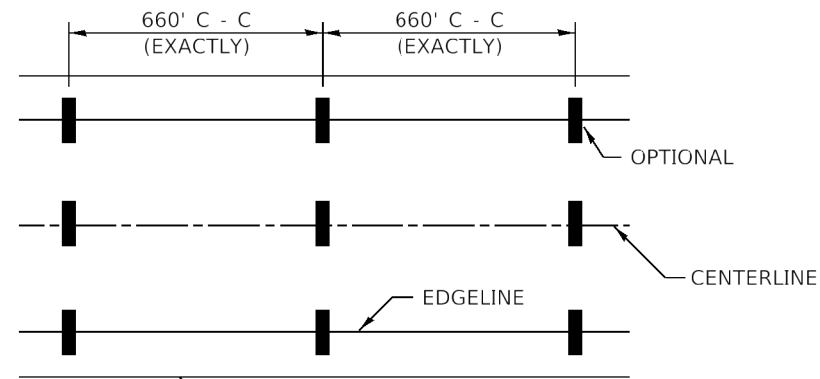


NOTE: PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.

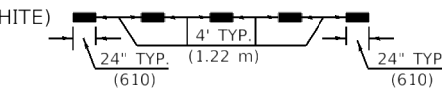
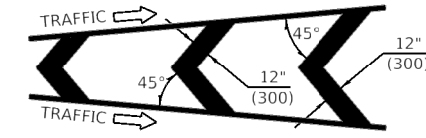
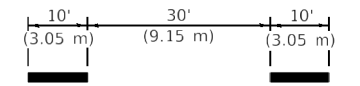
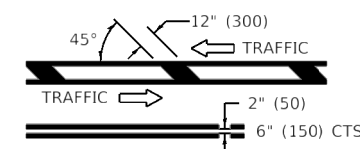
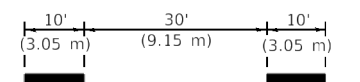
NOTE: SEE ARTICLES 780.04 & 781.03 FOR LOCATION OF STRIPES AND MARKERS RELATIVE TO EDGES OR JOINTS.

FOR RAISED REFLECTIVE PAVEMENT MARKERS, REFER TO STANDARD 781001.

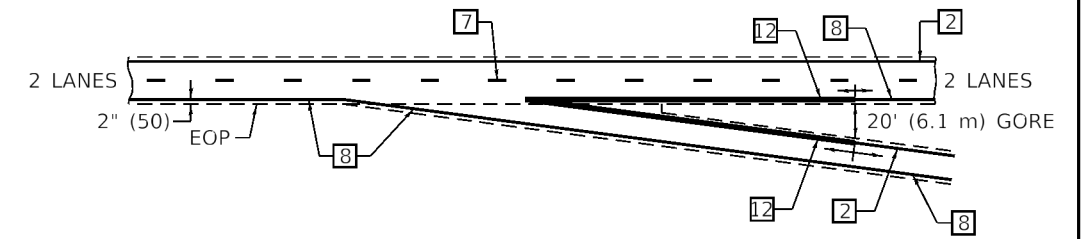
TYPICAL PAVEMENT MARKING LEGEND



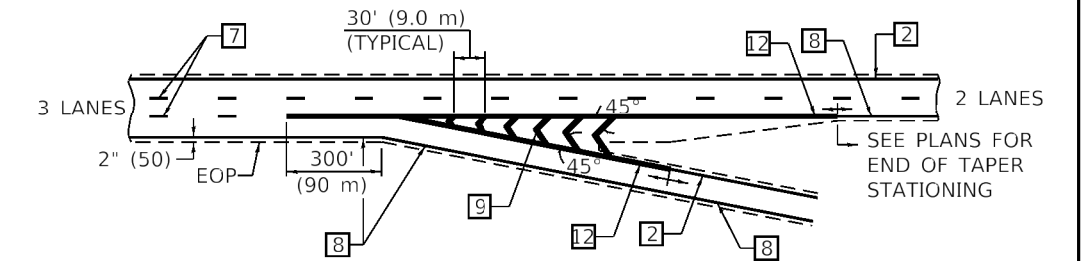
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)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



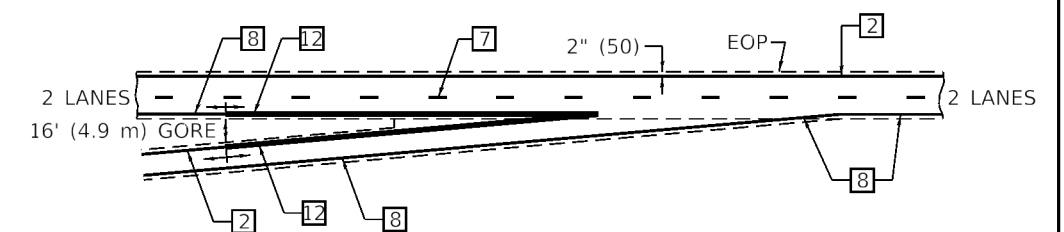
TYPICAL EXIT RAMP TERMINAL



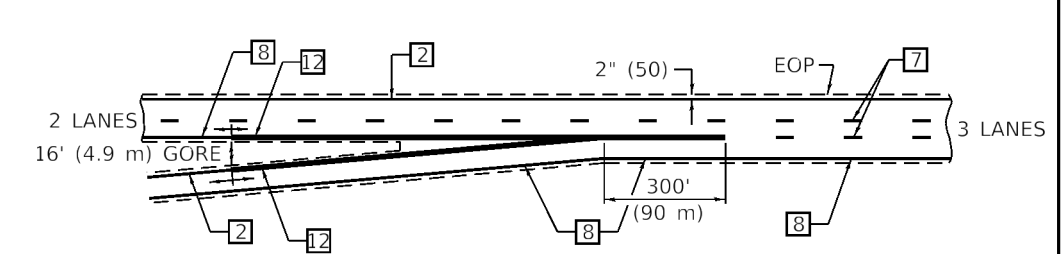
EXIT RAMP TERMINAL with EXCLUSIVE (auxiliary) LANE



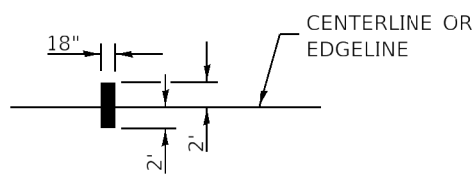
TYPICAL ENTRANCE RAMP TERMINAL



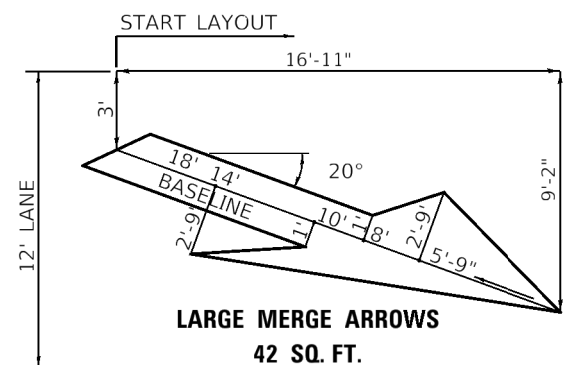
ENTRANCE RAMP TERMINAL with EXCLUSIVE LANE



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



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

DISTRICT 5 DETAIL NO. 7800BBBB

USER NAME = willewis	DESIGNED -	REVISED - 11/06
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 10/15/2020	DATE -	REVISED -

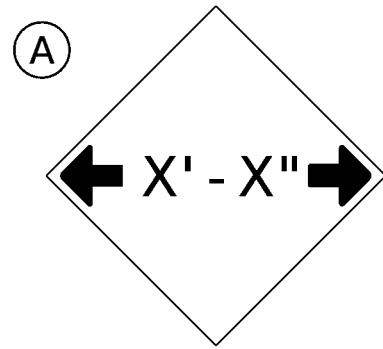
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING (INTERSTATE & MULTI-LANE APPLICATIONS)

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	34
CONTRACT NO. 70D16				
ILLINOIS FED. AID PROJECT				

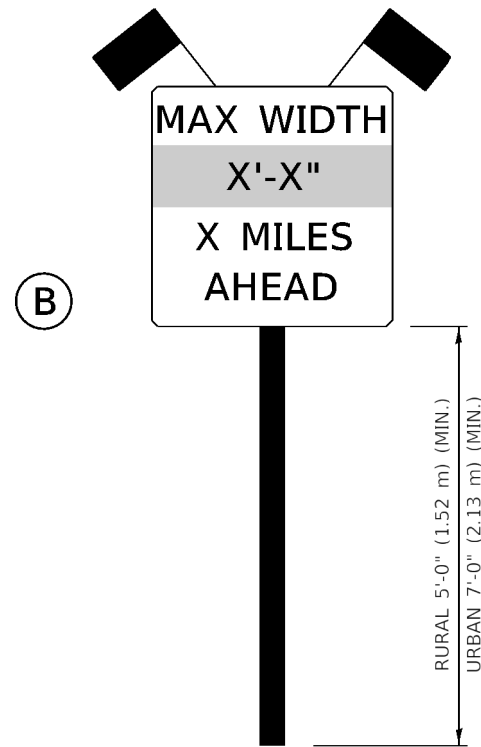
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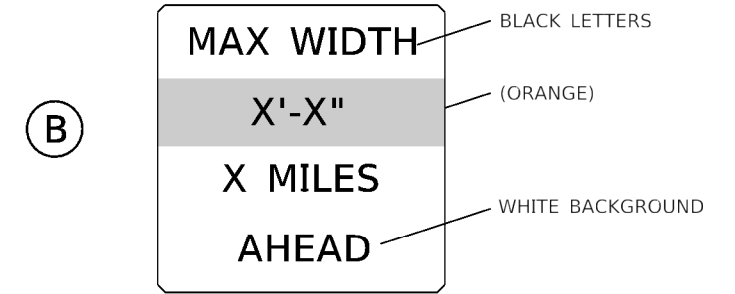
W12-2(O)-48"x48"(1200x1200)

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 Default
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USER NAME = willewis	DESIGNED -	REVISED - 05/08
	DRAWN -	REVISED - 10/08 KJT
PLOT SCALE = 40.0000' / 1"	CHECKED -	REVISED - 07/09 KJT
PLOT DATE = 10/15/2020	DATE -	REVISED - 03/11 KJT

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

WIDTH RESTRICTION SIGNING

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

DISTRICT 5 DETAIL NO. X7200201

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	35
				CONTRACT NO. 70D16
		ILLINOIS	FED. AID PROJECT	

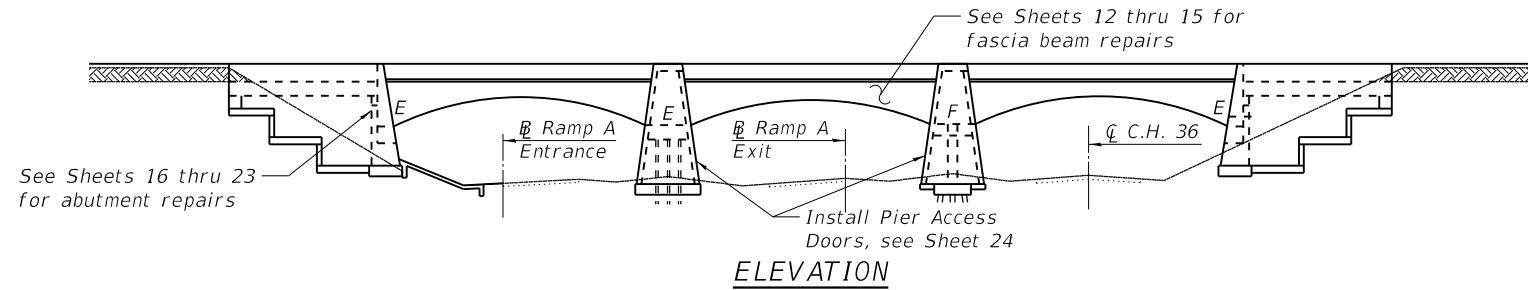
Benchmark - BM#1: East Top Cap of Pier 1 on S.N. 057-0158. Elev. = 706.45.
 BM#2: West Top Cap of Pier 2 on S.N. 057-0157. Elev. = 706.45.
 Existing Structures - Dual Structures, S.N. 057-0157 (S.B.) & 057-0158 (N.B.), composed of three-span continuous haunched reinforced concrete tee-beam main spans and P.P.C. I-beam Approach Spans. Superstructures are supported on pile-supported vaulted abutments and piers. Built in 1975 as Section 57-9HB at Sta. 297+80.50 with Contract 29386; repaired in 2002 as Section (57-8, 57-9, 57-10)RS&I with Contract 86992.
 Traffic to be maintained using staged construction with crossovers.
 Salvage - None.

TOTAL BILL OF MATERIAL

ITEM	UNIT	-0157	-0158	TOTAL
Stone Dumped Riprap, Class A1	Ton	34	4	38
Stone Dumped Riprap, Class A4	Ton	12	3	15
Concrete Removal	Cu. Yd.	71.8	86.7	158.5
Concrete Structures	Cu. Yd.	29.0	33.4	62.4
Concrete Superstructure	Cu. Yd.	45.3	56.2	101.5
Protective Coat	Sq. Yd.	149	177	326
Reinforcement Bars, Epoxy Coated	Pound	12,450	15,750	28,200
Preformed Joint Strip Seal	Foot	82	104	186
Concrete Sealer	Sq. Ft.	903	1208	2111
Controlled Low-Strength Material	Cu. Yd.	6	1	7
Access Door	Each	4	4	8
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	753	1226	1979
Hot-Mix Asphalt Surface Removal (Deck)	Sq. Yd.	117	175	292
Bridge Deck Latex Concrete Overlay 2 1/4"	Sq. Yd.	117	175	292
Bridge Deck Latex Concrete Overlay 3"	Sq. Yd.	934	1220	2154
Bridge Deck Scarification 2 3/4"	Sq. Yd.	934	1220	2154
Bridge Deck Scarification 1/2"	Sq. Yd.	117	175	292
Structural Repair of Concrete (Depth Equal to or Less Than 5")	Sq. Ft.	712	759	1471
Diamond Grinding (Bridge Section)	Sq. Yd.	1110	1481	2591
Precast Prestressed Concrete I-Beam Repair	Sq. Ft.	16		16
Temporary Shoring and Cribbing	Each	12	16	28
Acrylic Coating	Sq. Yd.	125	128	253
Fiber Wrap	Sq. Ft.	1214	1300	2514

INDEX OF SHEETS

1. General Plan and Elevation
2. Bridge Approach Pavements
- 3.-4. Superstructure - S.N. 057-0157
- 5.-6. Superstructure Details - S.N. 057-0157
- 7.-8. Superstructure - S.N. 057-0158
- 9.-10. Superstructure Details - S.N. 057-0158
11. Modified Preformed Joint Strip Seal
12. Beam Repair Plan - S.N. 057-0157
13. Beam Repair Elevations - S.N. 057-0157
14. Beam Repair Plan - S.N. 057-0158
15. Beam Repair Elevations - S.N. 057-0158
- 16.-17. South Abutment Repair - S.N. 057-0157
- 18.-19. North Abutment Repair - S.N. 057-0157
- 20.-21. South Abutment Repair - S.N. 057-0158
- 22.-23. North Abutment Repair - S.N. 057-0158
24. Vaulted Pier Access Doors



PROPOSED SCOPE OF WORK

1. Remove existing microsilica concrete overlay and scarify original concrete deck to a depth of 1/2".
2. Remove existing HMA overlay from approach pavements and scarify concrete pavement to a depth of 1/2".
3. Remove and replace abutment expansion joints with preformed joint strip seal.
4. Install jacking and cribbing below approach span beams to permit replacement of supports at abutments.
5. Remove and replace abutment beams and columns supporting approach span beams.
6. Remove and replace each end of approach span and bridge decks.
7. Repair damaged face of parapets.
8. Repair damaged surfaces on the main span beams.
9. Repair damaged ends of approach span beams.
10. Fill existing deck drain holes along bridge deck parapets.
11. Fill eroded areas in abutment vaults.
12. Overlay deck and approach pavements with latex concrete.

DESIGN SPECIFICATIONS
2002 AASHTO

LOADING HS20-44

Allow 25#/sq. ft. for future wearing surface.

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
 f'c = 4,000 psi (deck)
 fy = 60,000 psi (Reinforcement)

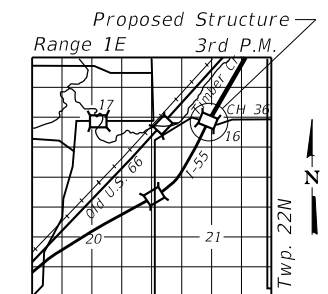
GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.

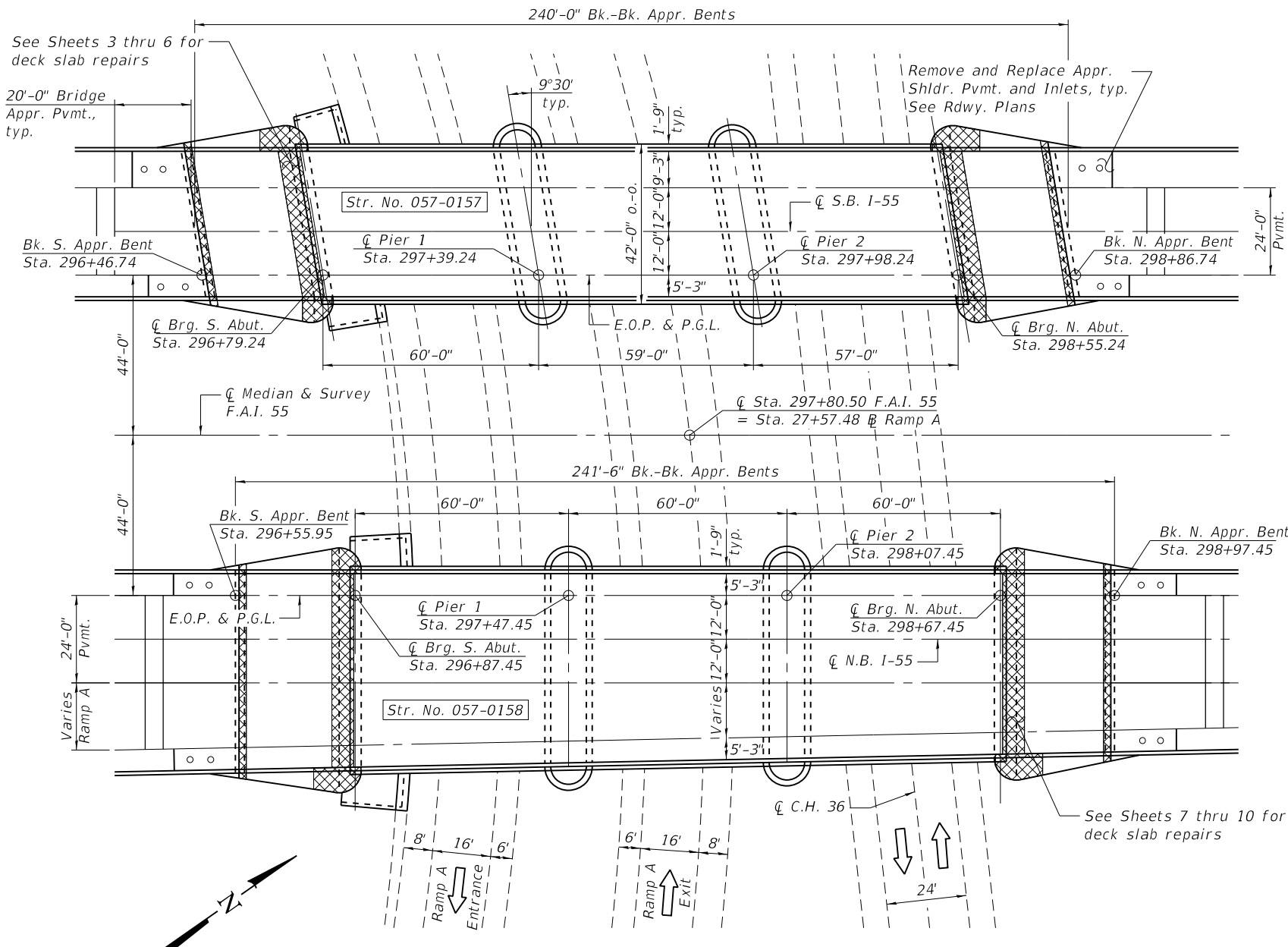
Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall 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.

Existing reinforcement bars extending into the removal areas shall be cleaned, straightened, and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost is included in "Concrete Removal".

Joint openings shall be adjusted according to Article 503.10(c) of the Standard Specifications when the deck is poured at an ambient temperature other than 50°F.



LOCATION SKETCH



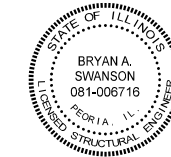
PLAN

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	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



Bryan Swanson
 Date Signed: 10-9-20
 Exp. Date: 11/30/2020

GENERAL PLAN AND ELEVATION

I-55 OVER C.H. 36 & RAMP A

F.A.I. 55 - SEC. (57-9HB)BDR

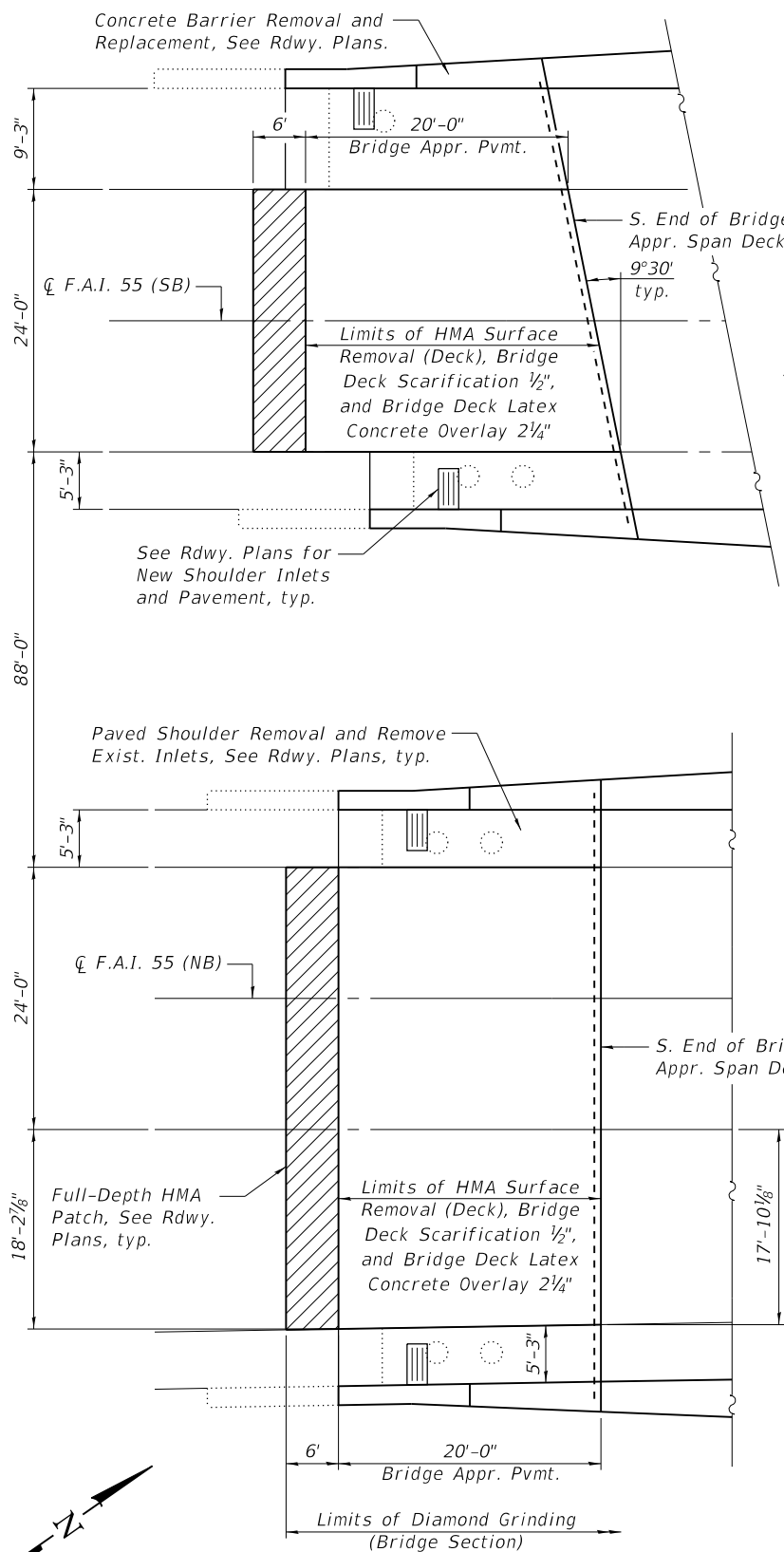
MCLEAN COUNTY

STA. 297+80.50

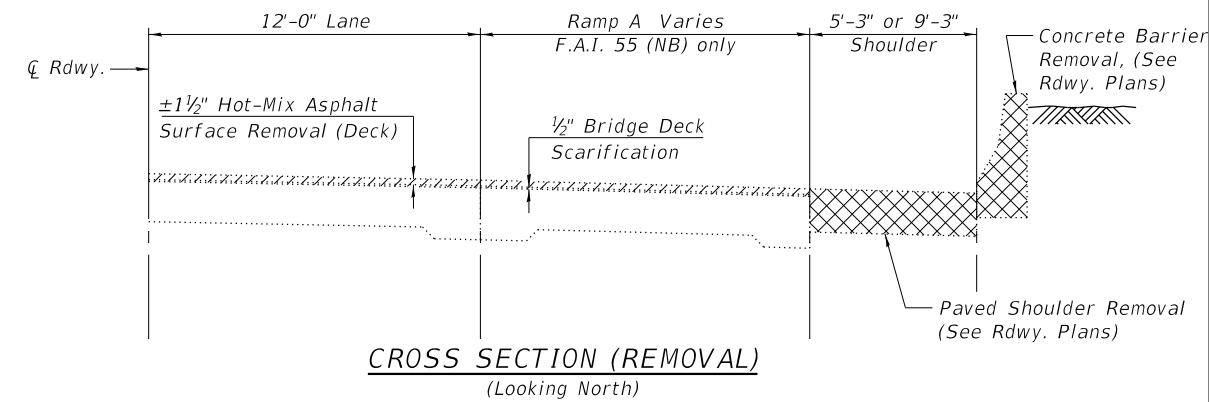
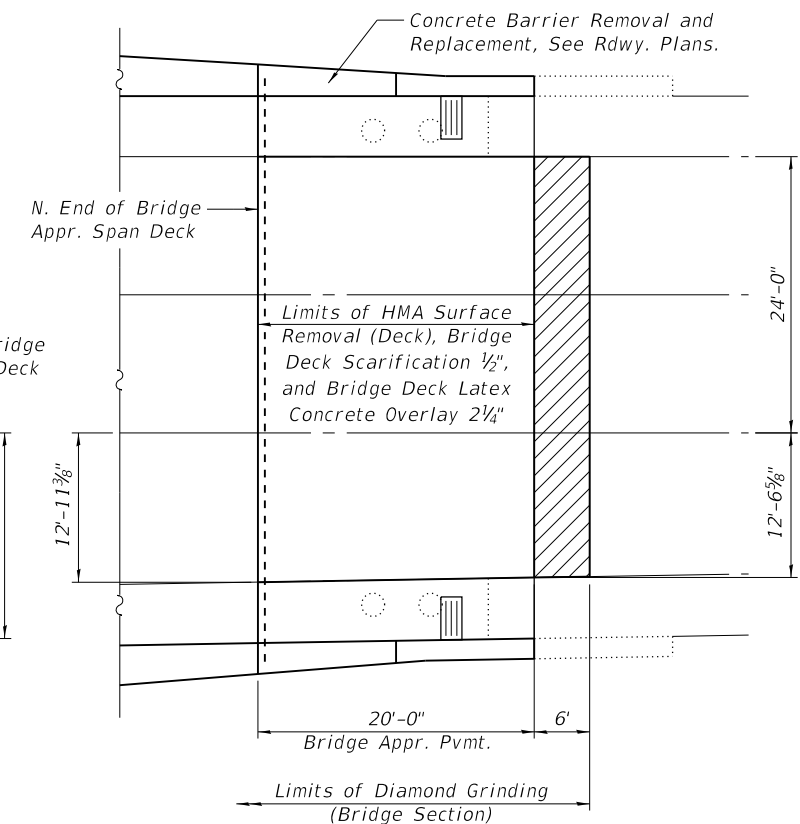
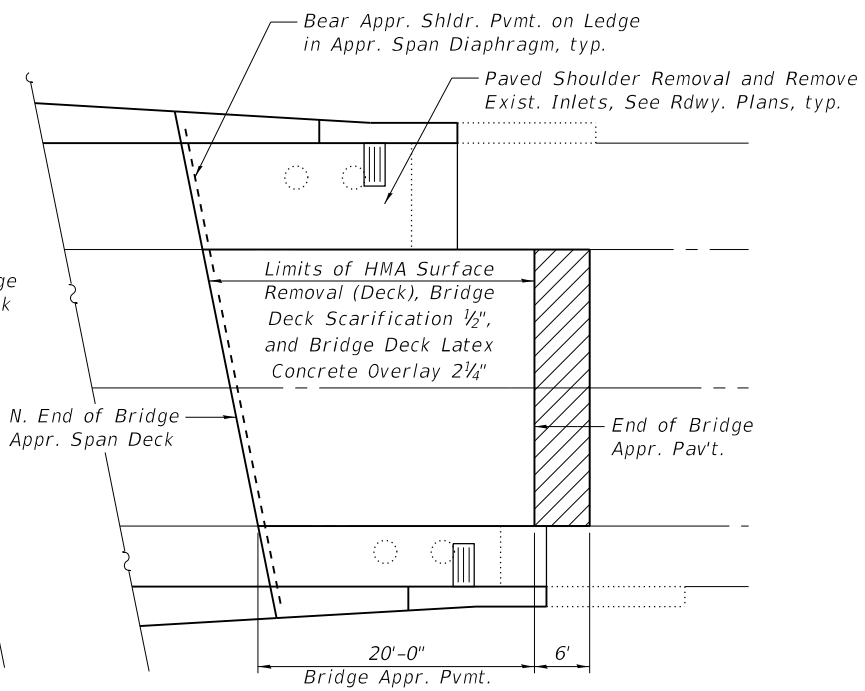
STR. NO. 057-0157 & 057-0158

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	36
CONTRACT NO. 70D16				
ILLINOIS FED. AID PROJECT				

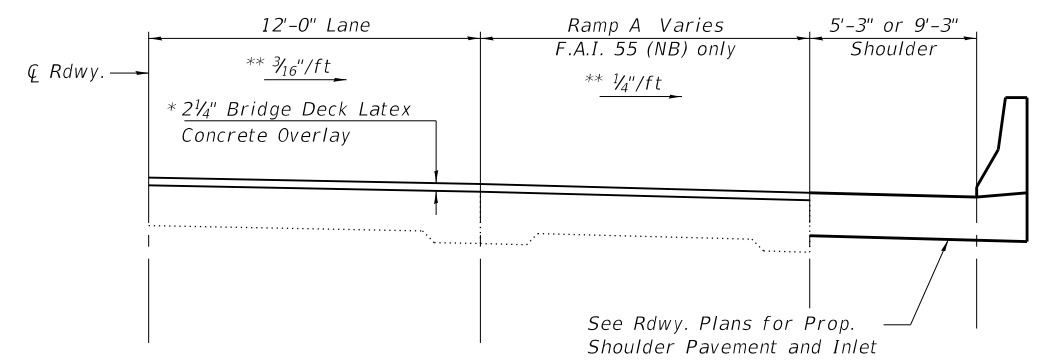
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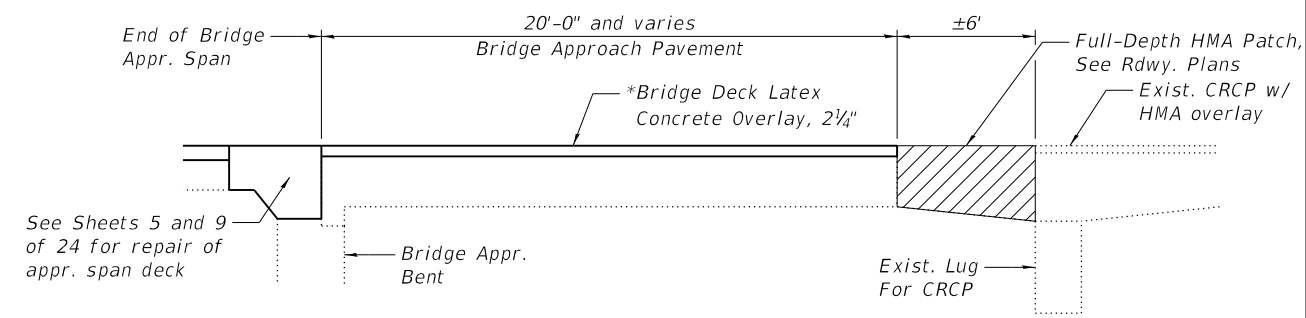
PLAN



CROSS SECTION (REMOVAL)
 (Looking North)



CROSS SECTION (PROPOSED)
 (Looking North)



LONGITUDINAL SECTION

APPROACH PAVEMENT (S.N. 057-0157)
 BILL OF MATERIAL

Item	Unit	Total
Hot-Mix Asphalt Surface Removal (Deck)	Sq. Yd.	117
Bridge Deck Scarification 1/2"	Sq. Yd.	117
Bridge Deck Latex Concrete Overlay 2 1/4"	Sq. Yd.	117
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	117
Diamond Grinding (Bridge Section)	Sq. Yd.	196

APPROACH PAVEMENT (S.N. 057-0158)
 BILL OF MATERIAL

Item	Unit	Total
Hot-Mix Asphalt Surface Removal (Deck)	Sq. Yd.	175
Bridge Deck Scarification 1/2"	Sq. Yd.	175
Bridge Deck Latex Concrete Overlay 2 1/4"	Sq. Yd.	175
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	175
Diamond Grinding (Bridge Section)	Sq. Yd.	257

Notes:
 Diamond Grinding (Bridge Section) includes quantity for grinding of new approach shoulder pavement.
 Contractor shall remove the asphalt overlay at the end of the bridge approach pavement to confirm this is the correct location prior to full depth removal for HMA patch.



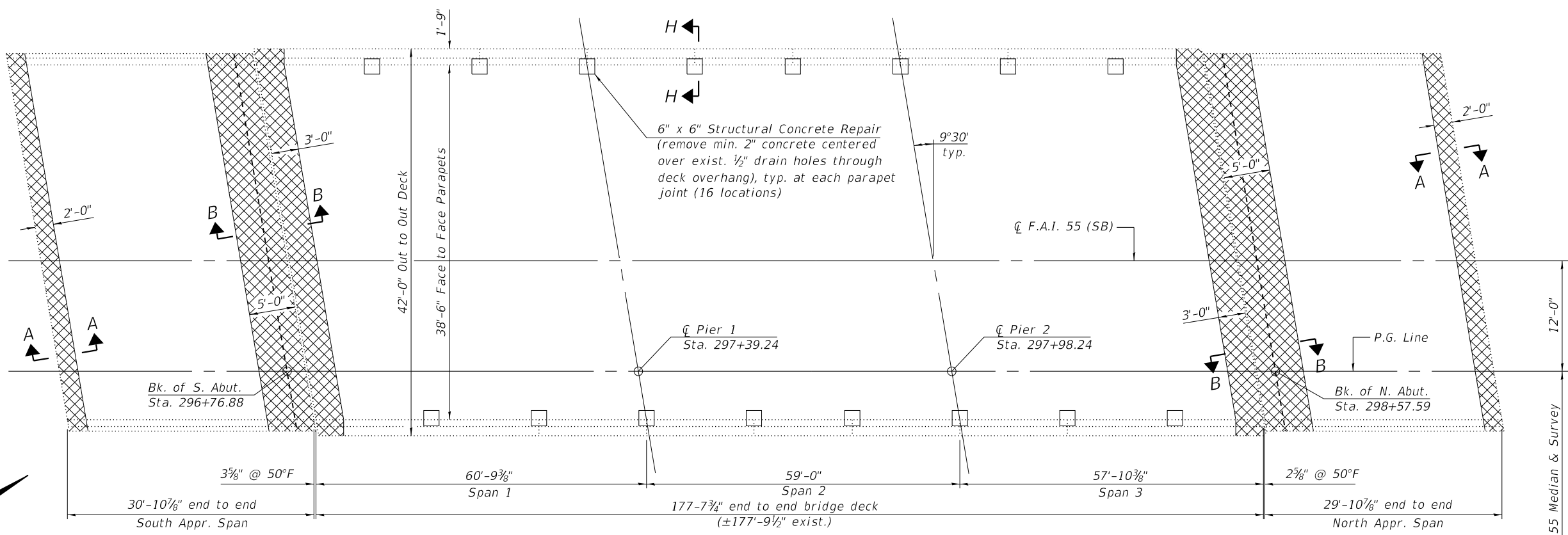
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	CHECKED -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH PAVEMENTS
 STRUCTURE NO. 057-0157 & 057-0158

SHEET NO. 2 OF 24 SHEETS

F.A.I. RTE. 55	SECTION (57-9HB)BR	COUNTY MCLEAN	TOTAL SHEETS 67	SHEET NO. 37
CONTRACT NO. 70D16				
ILLINOIS FED. AID PROJECT				



PLAN

LEGEND

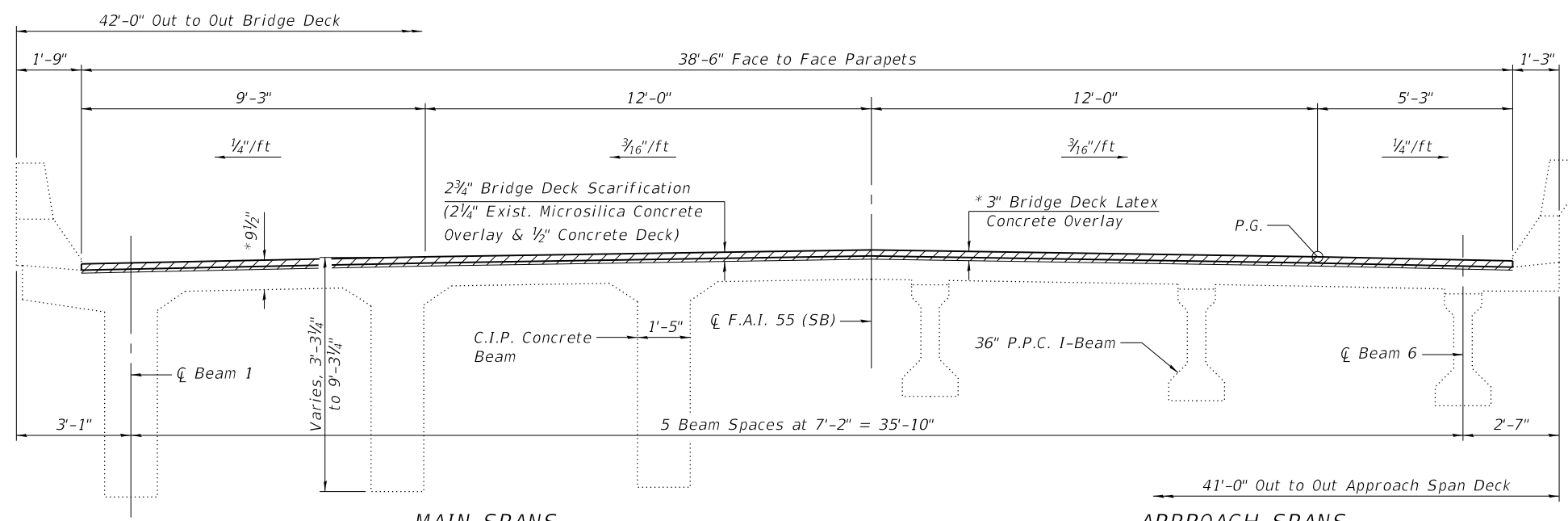
	Concrete Removal
	Structural Concrete Repair, Depth Equal To or Less Than 5 Inches

**DECK SURFACE (S.N. 057-0157)
BILL OF MATERIAL**

Item	Unit	Total
Protective Coat	Sq. Yd.	149
Bridge Deck Scarification 2 3/4"	Sq. Yd.	934
Bridge Deck Latex Concrete Overlay 3"	Sq. Yd.	934
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	636
Diamond Grinding (Bridge Section)	Sq. Yd.	914
Structural Repair of Concrete (Depth ≤ 5 in.)	Sq. Ft.	316

** Includes 10% allowance for increase in deterioration.

Notes:
 See sheets 12 thru 13 of 24 for quantities of Structural Concrete Repair on the beams.
 See sheet 5 of 24 for Sections A-A and B-B.
 See sheet 6 of 24 for Section H-H.
 Protective Coat shall not be applied to the latex concrete overlay or to exist. concrete surfaces.
 The above quantity of Protective Coat includes the front and top surfaces of the wing caps on the approach spans.
 Inspection on March 12, 2019, did not identify any need for full depth patching of the bridge deck.



CROSS SECTION
(Looking North)

* Prior to Diamond Grinding

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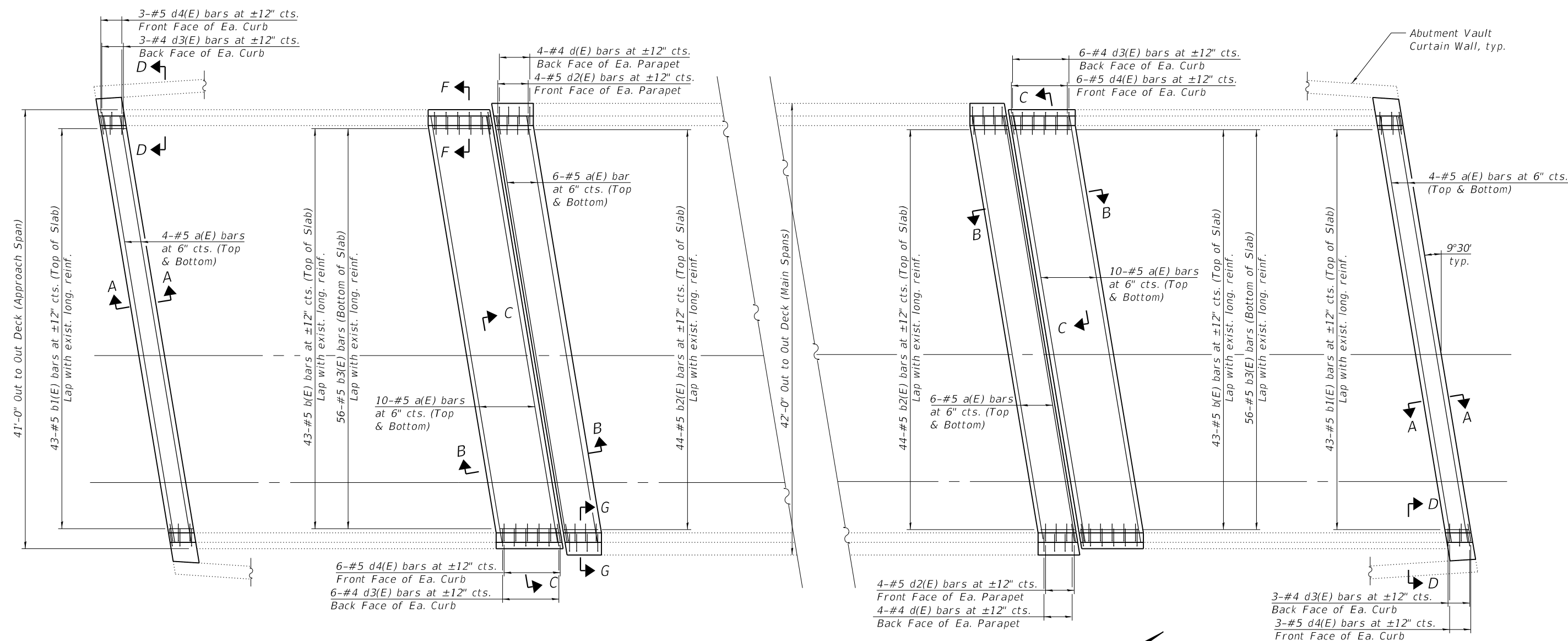
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO. 057-0157

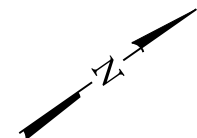
SHEET NO. 3 OF 24 SHEETS

F.A.I. RTE. 55	SECTION (57-9HB)BR	COUNTY MCLEAN	TOTAL SHEETS 67	SHEET NO. 38
CONTRACT NO. 70D16			ILLINOIS FED. AID PROJECT	

MODEL: Default
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DECK REINFORCEMENT PLAN



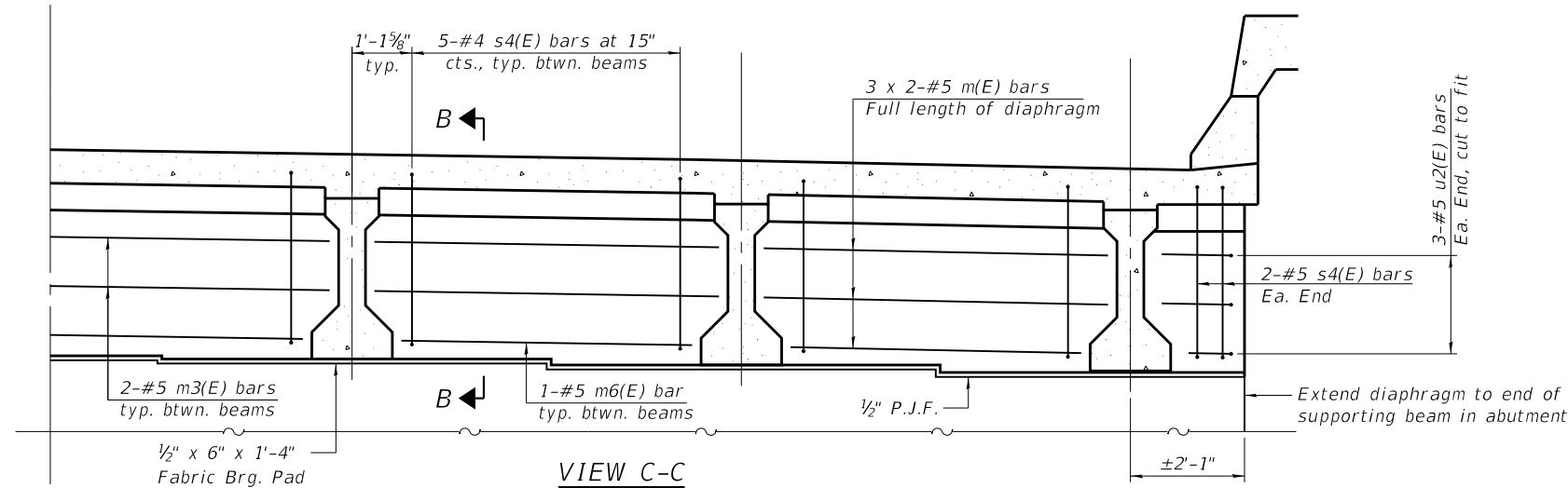
Notes:
 See sheet 5 of 24 for Sections A-A thru D-D.
 See sheet 6 of 24 for Sections F-F, G-G, bar details, and the bill of material.

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

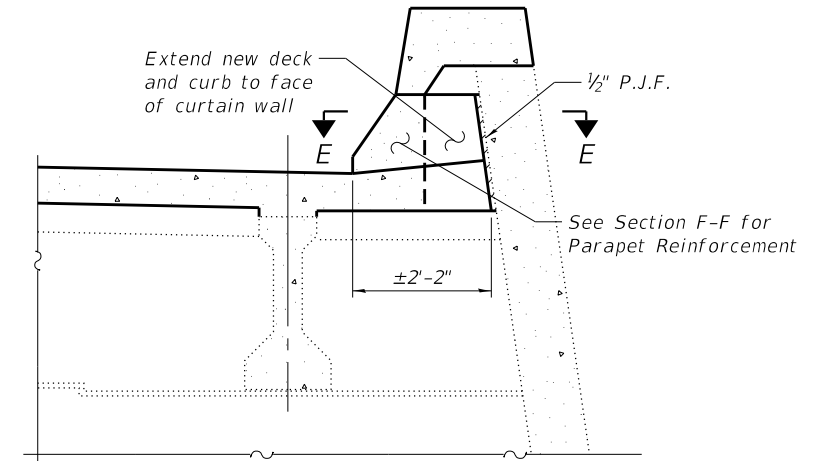
SUPERSTRUCTURE
 STRUCTURE NO. 057-0157

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	39
CONTRACT NO. 70D16				
		ILLINOIS	FED. AID PROJECT	

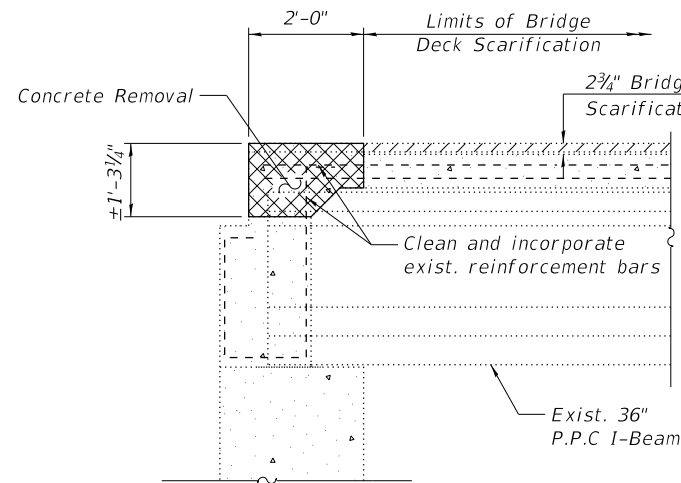


VIEW C-C
APPROACH SPAN DIAPHRAGM AT ABUTMENT

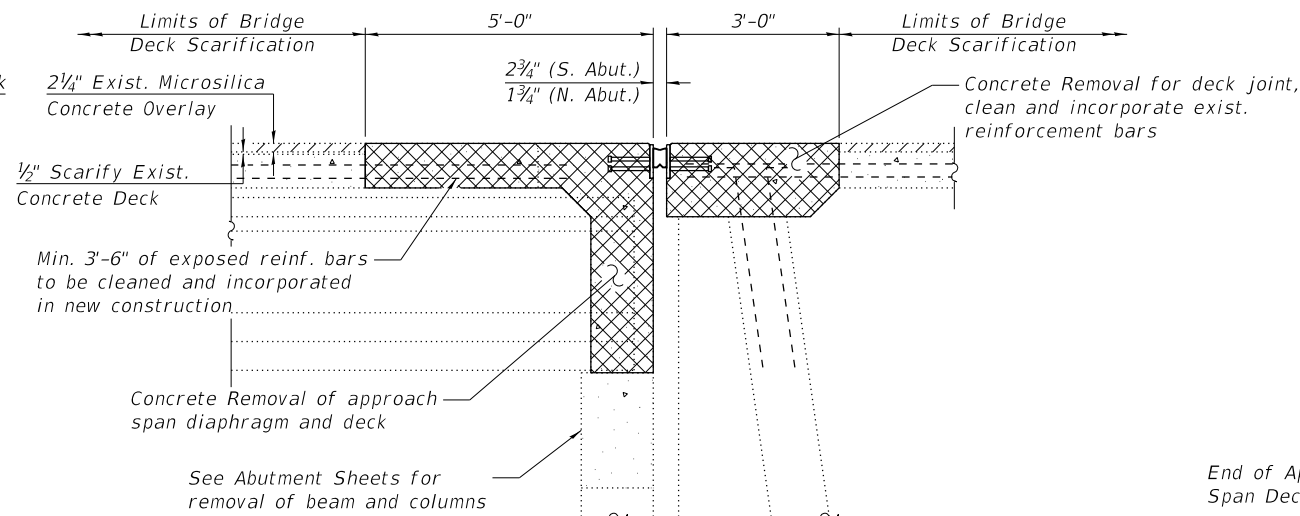
MINIMUM BAR LAP
#5 bar = 3'-7"



VIEW D-D
PARAPET AT APPROACH BENT

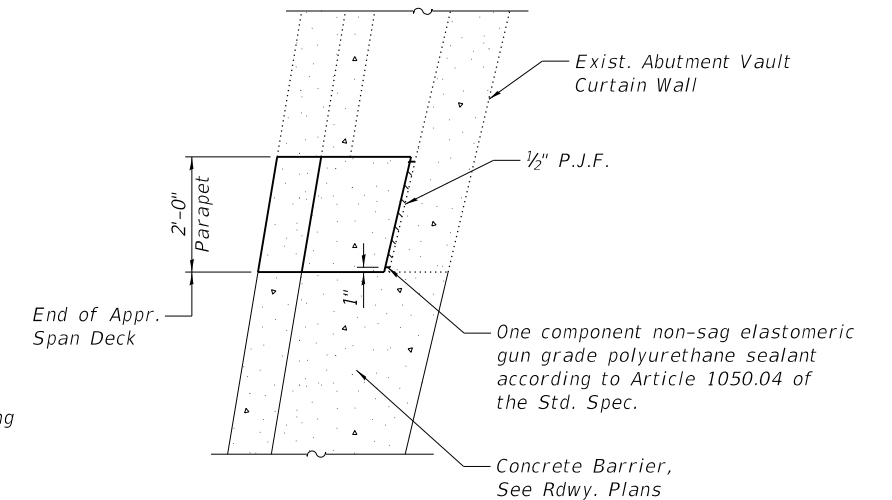


SECTION A-A
(Showing Removal)



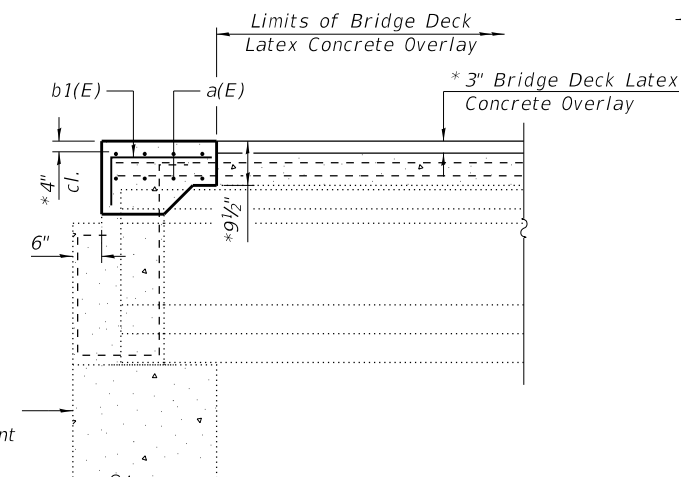
SECTION B-B
(Showing Removal)

* Prior to Diamond Grinding

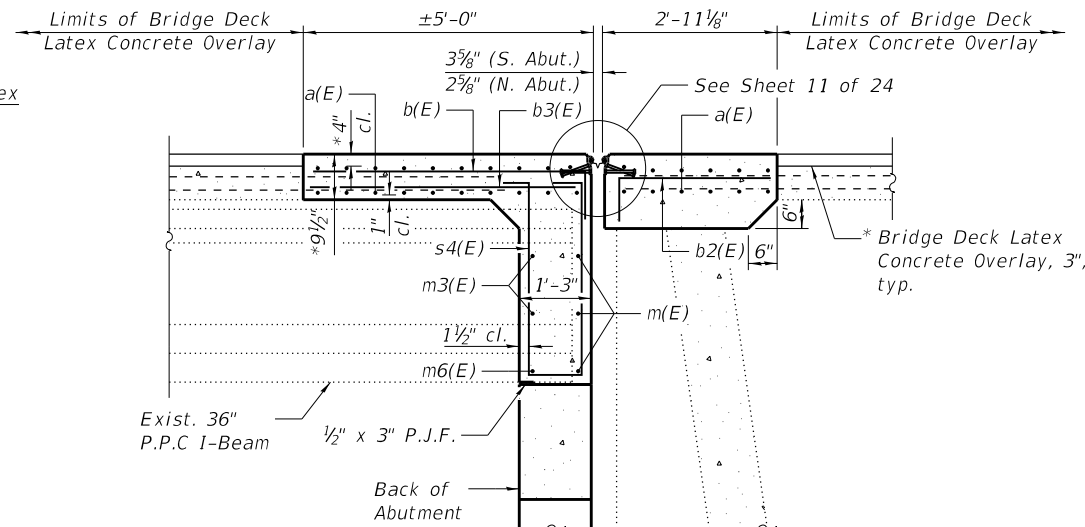


SECTION E-E

Notes:
Bars indicated thus 3 x 2-#5 etc. indicates 3 lines of bars with 2 lengths per line.
See sheet 6 of 24 for Section F-F.
New bridge deck, diaphragms, and parapets shall be paid for as Concrete Superstructure.



SECTION A-A
(Showing Proposed)



SECTION B-B
(Showing Proposed)

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MAURER-STUTZ
ENGINEERS SURVEYORS

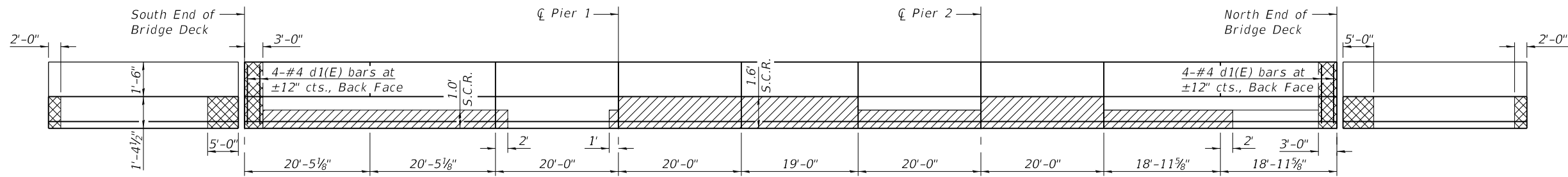
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 057-0157

SHEET NO. 5 OF 24 SHEETS

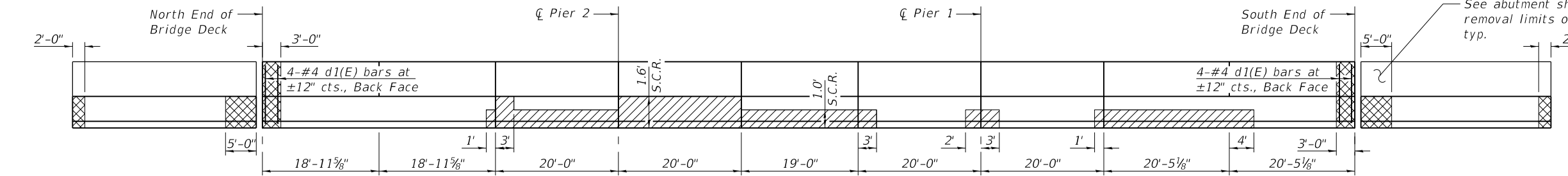
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CONTRACT NO. 70D16				
ILLINOIS		FED. AID PROJECT		



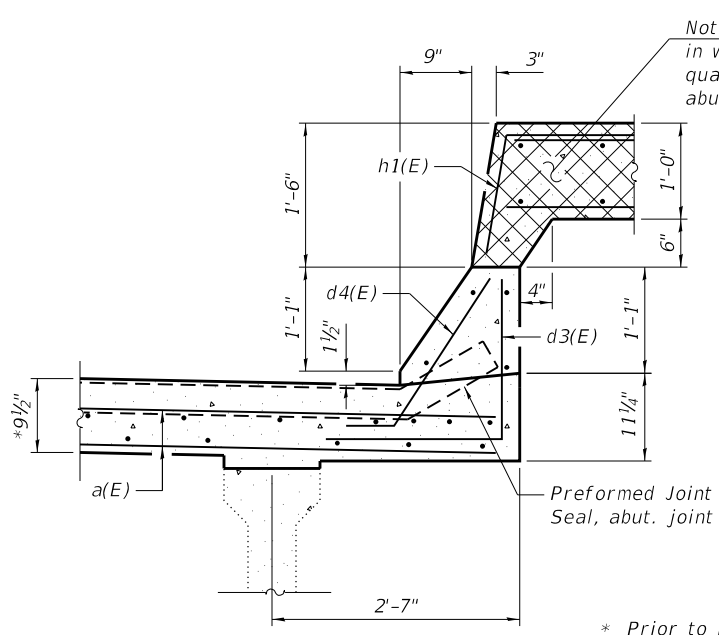
WEST PARAPET ELEVATION
(Looking West)

LEGEND

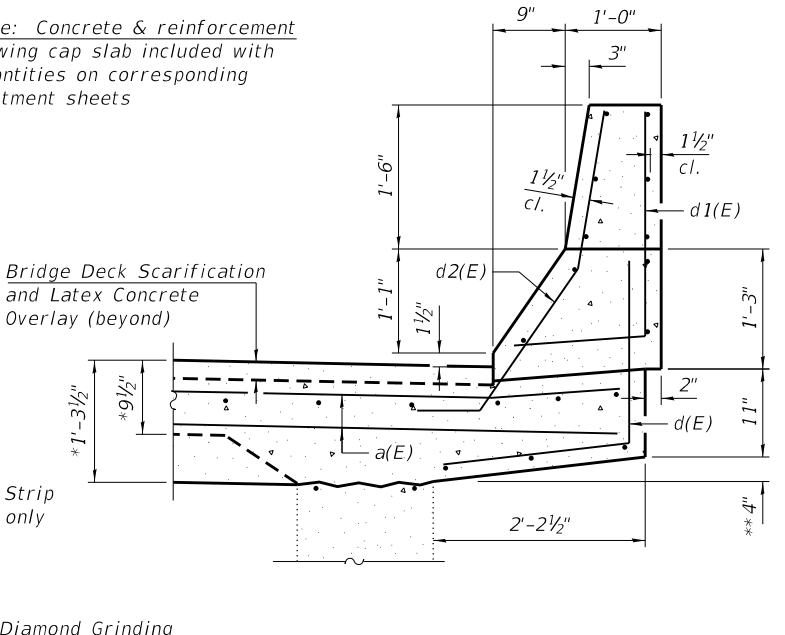
	Concrete Removal and Concrete Superstructure (Parapet)
	Structural Concrete Repair, Depth Equal To or Less Than 5 Inches



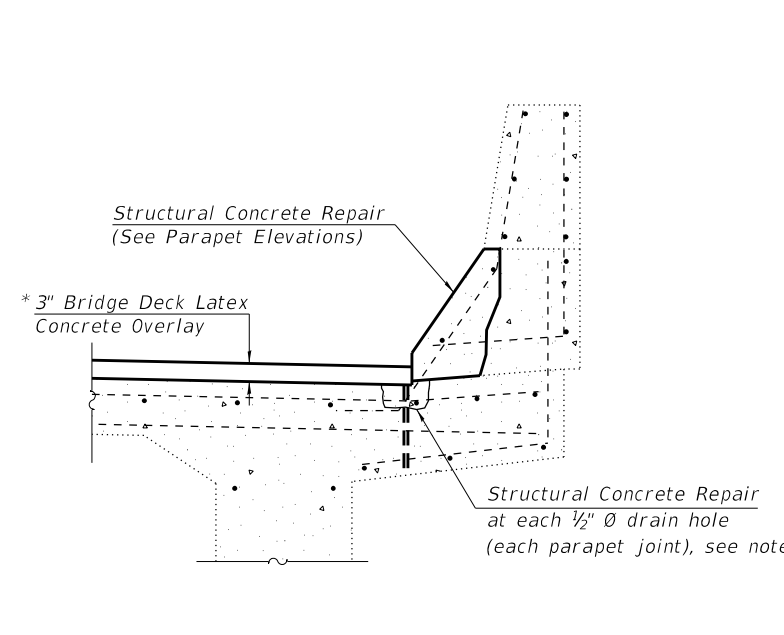
EAST PARAPET ELEVATION
(Looking East)



SECTION F-F



SECTION G-G



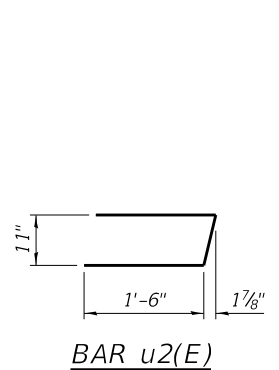
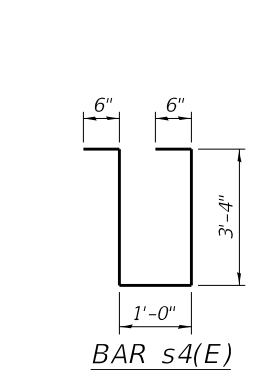
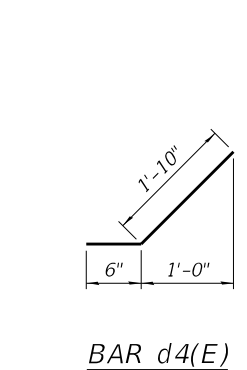
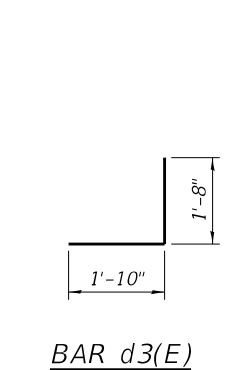
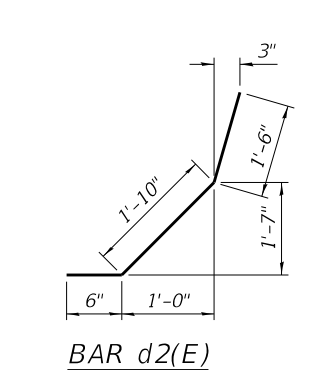
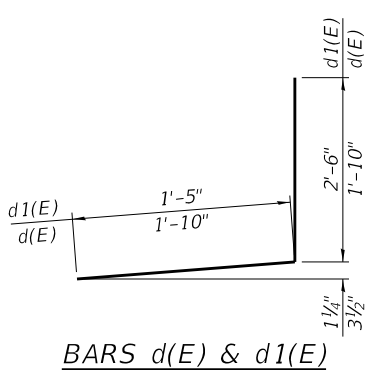
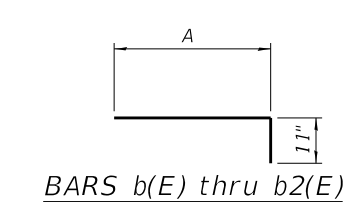
SECTION H-H

SUPERSTRUCTURE (S.N. 057-0157)
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	80	#5	41'-3"	—
b(E)	86	#5	5'-7"	┌
b1(E)	86	#5	2'-7"	┌
b2(E)	88	#5	3'-7"	┌
b3(E)	112	#5	4'-8"	┌
d(E)	16	#4	3'-8"	└
d1(E)	16	#4	3'-11"	└
d2(E)	16	#5	3'-10"	└
d3(E)	36	#4	3'-6"	└
d4(E)	36	#5	2'-4"	└
m(E)	12	#5	21'-11"	—
m3(E)	20	#5	6'-5"	—
m6(E)	10	#5	5'-5"	—
s4(E)	58	#4	8'-8"	U
u2(E)	12	#5	3'-11"	└
		Concrete Removal	Cu. Yds.	42.0
		Concrete Superstructure	Cu. Yds.	45.3
		Reinforcement Bars, Epoxy Coated	Lbs.	6210

DIMENSION A

b(E)	b1(E)	b2(E)
4'-8"	1'-8"	2'-8"



Notes:
For details and quantity of Preformed Joint Strip Seal, see sheet 11 of 24.
At each drain hole location, remove ±2" depth of concrete around the hole, clean and fill the hole with polyurethane sealant, and fill the removed concrete with fresh concrete prior to placement of the latex concrete overlay. Cost included in Structural Concrete Repair.

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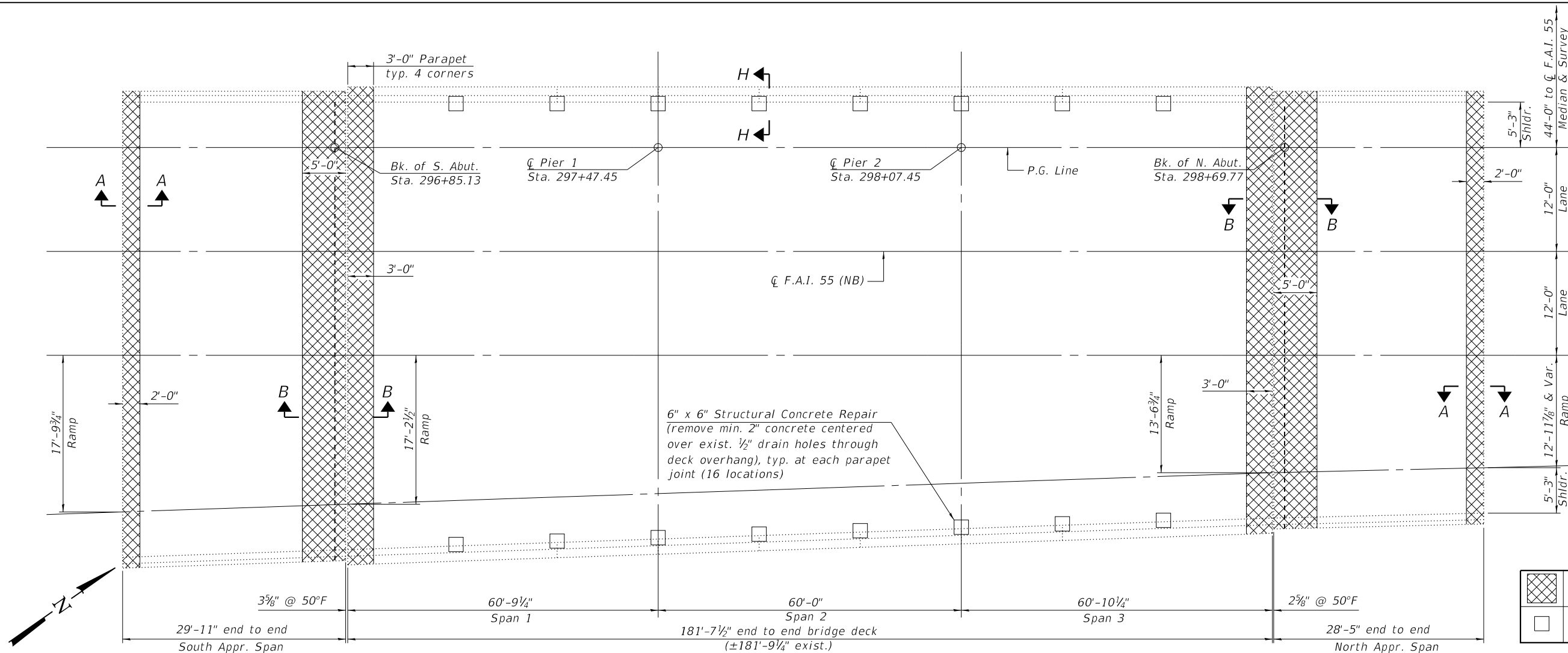
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 057-0157

SHEET NO. 6 OF 24 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	41
CONTRACT NO. 70D16				
ILLINOIS FED. AID PROJECT				



PLAN

LEGEND

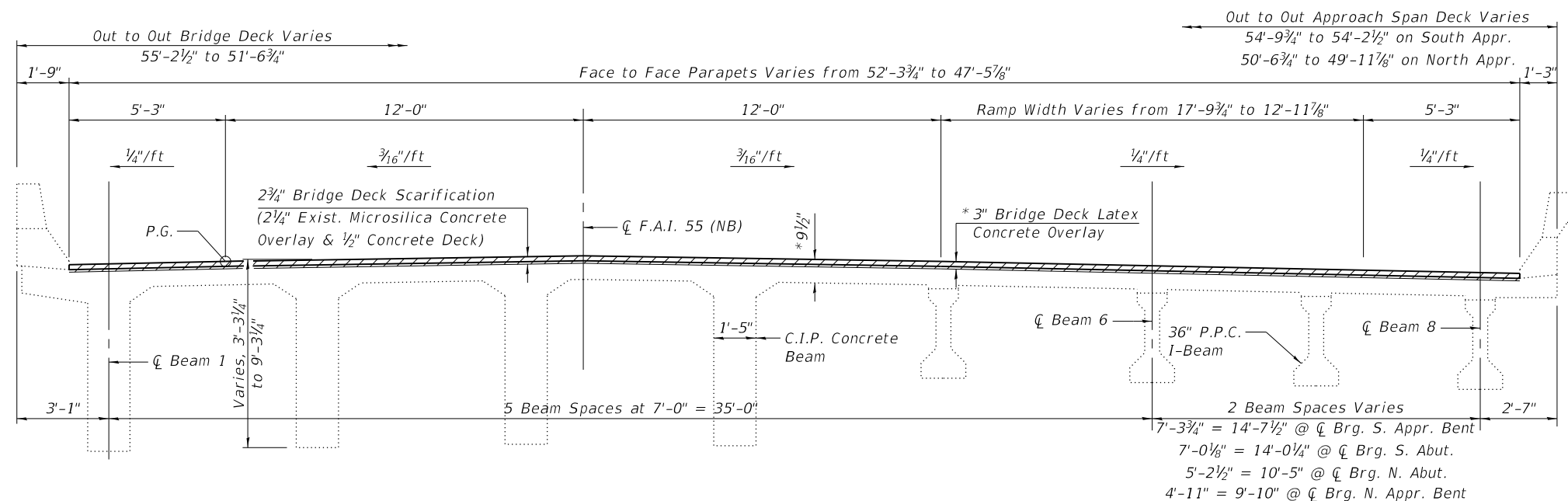
	Concrete Removal and Concrete Superstructure
	Structural Concrete Repair, Depth Equal To or Less Than 5 Inches

DECK SURFACE (S.N. 057-0158)
BILL OF MATERIAL

Item	Unit	Total
Protective Coat	Sq. Yd.	177
Bridge Deck Scarification 2 3/4"	Sq. Yd.	1220
Bridge Deck Latex Concrete Overlay 3"	Sq. Yd.	1220
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	1051
Diamond Grinding (Bridge Section)	Sq. Yd.	1224
Structural Repair of Concrete (Depth ≤ 5 in.)	Sq. Ft.	361

** Includes 10% allowance for increase in deterioration.

Notes:
 See sheets 14 thru 15 of 24 for quantities of Structural Concrete Repair on the beams.
 See sheet 9 of 24 for Sections A-A and B-B.
 See sheet 10 of 24 for Section H-H.
 Protective Coat shall not be applied to the latex concrete overlay or to exist. concrete surfaces.
 The above quantity of Protective Coat includes the front and top surfaces of the wing caps on the approach spans.
 Inspection on March 12, 2019, did not identify any need for full depth patching of the bridge deck.



MAIN SPANS

CROSS SECTION
(Looking North)

APPROACH SPANS

* Prior to Diamond Grinding

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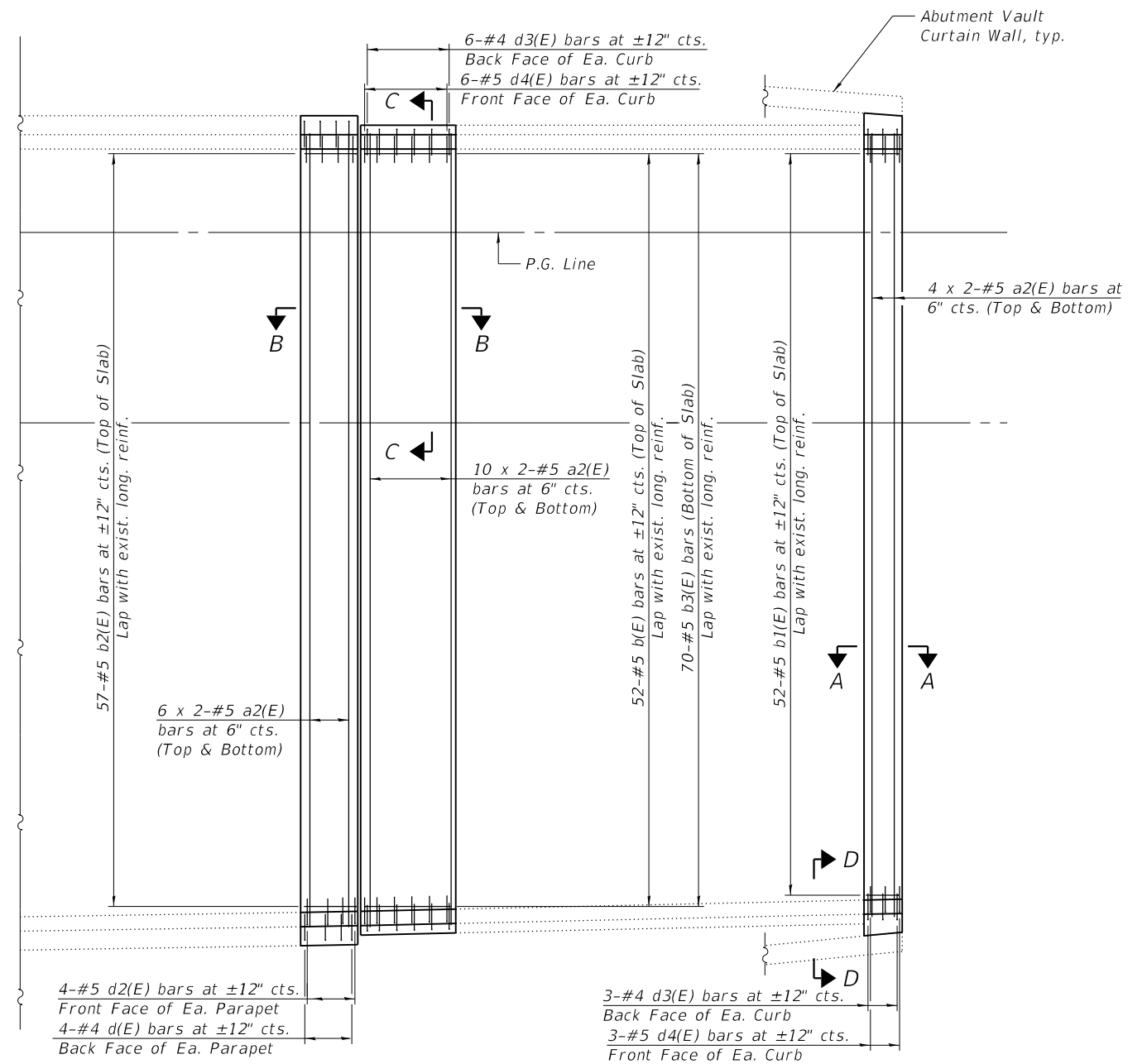
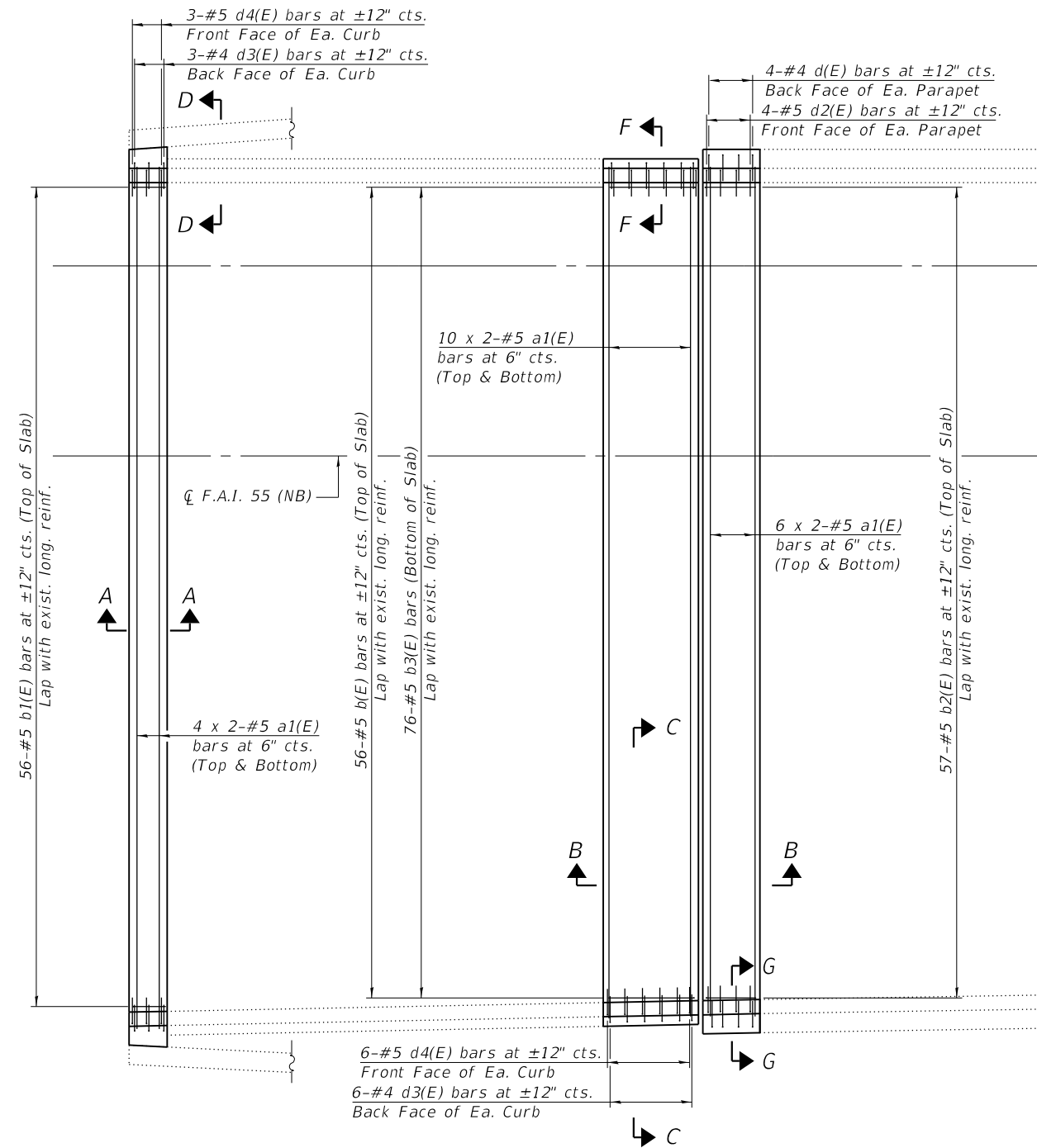
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO. 057-0158

SHEET NO. 7 OF 24 SHEETS

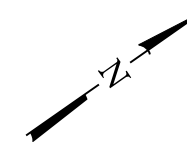
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	42
CONTRACT NO. 70D16				
ILLINOIS FED. AID PROJECT				

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DECK REINFORCEMENT PLAN

MINIMUM BAR LAP
 #5 bar = 3'-2" (deck)



Notes:
 Bars indicated thus 4 x 2-#5 etc. indicates 4 lines of bars with 2 lengths per line.
 See sheet 9 of 24 for Sections A-A thru D-D.
 See sheet 10 of 24 for Sections F-F, G-G, bar details, and the bill of material.



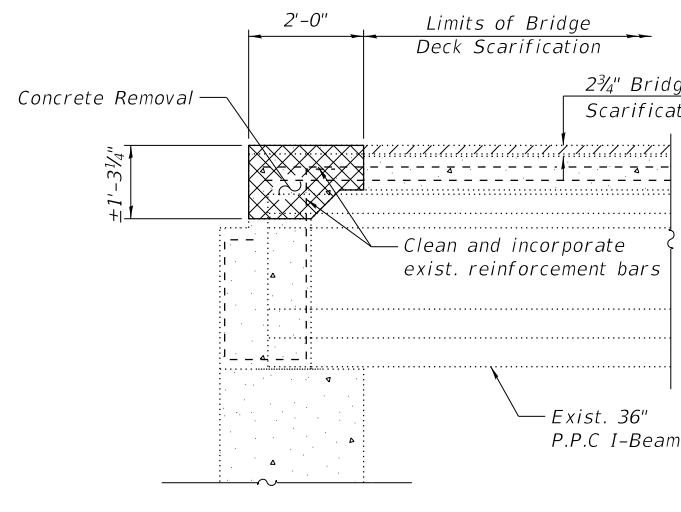
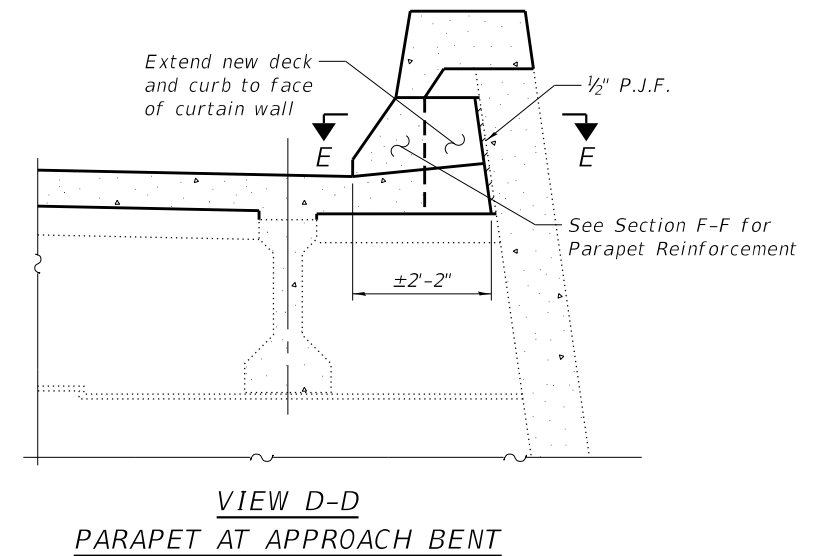
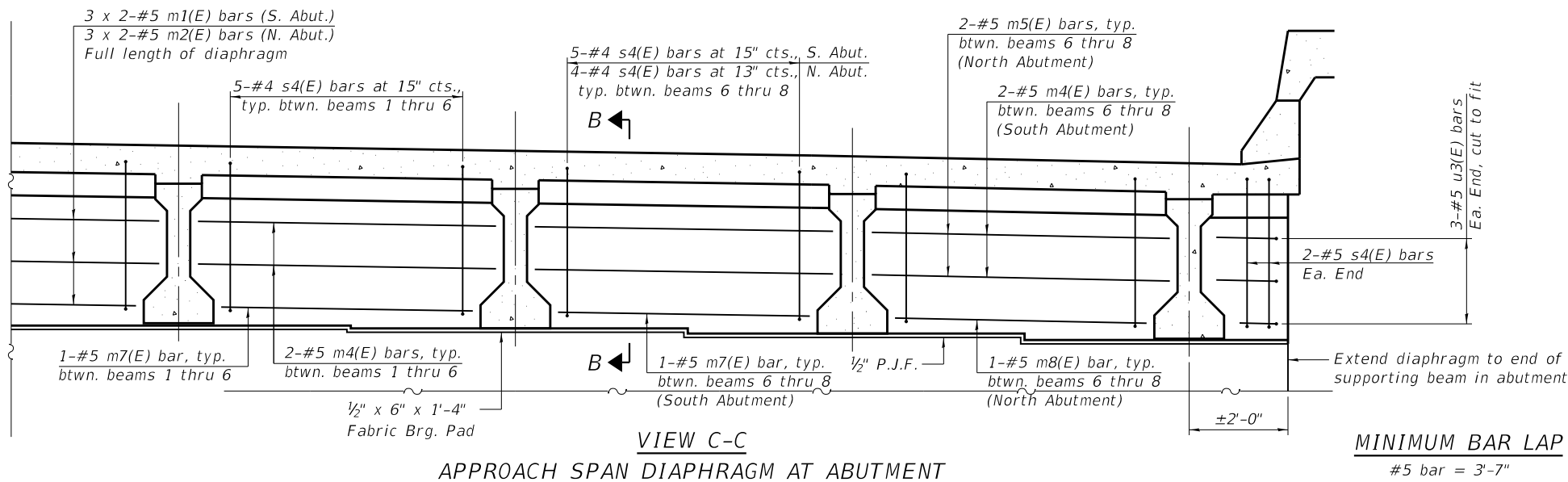
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

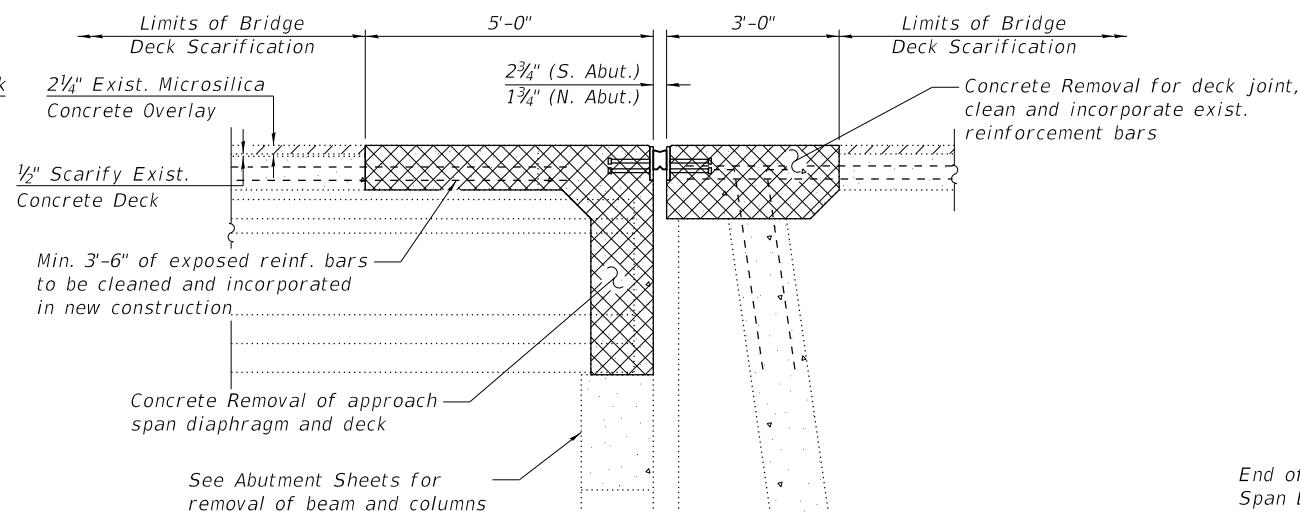
SUPERSTRUCTURE
 STRUCTURE NO. 057-0158

SHEET NO. 8 OF 24 SHEETS

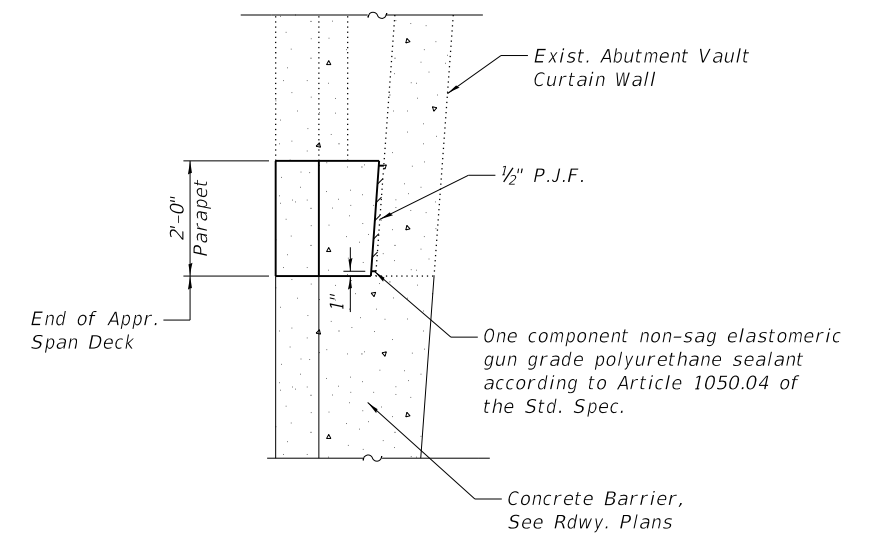
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	43
CONTRACT NO. 70D16				
ILLINOIS FED. AID PROJECT				



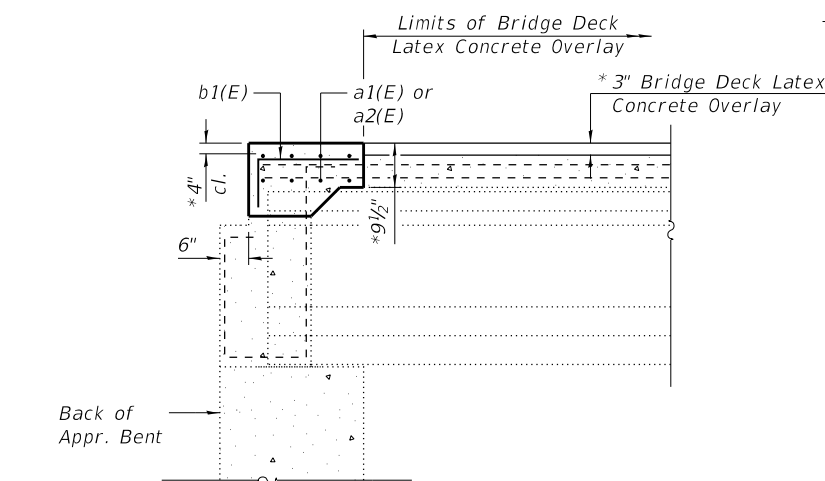
SECTION A-A
(Showing Removal)



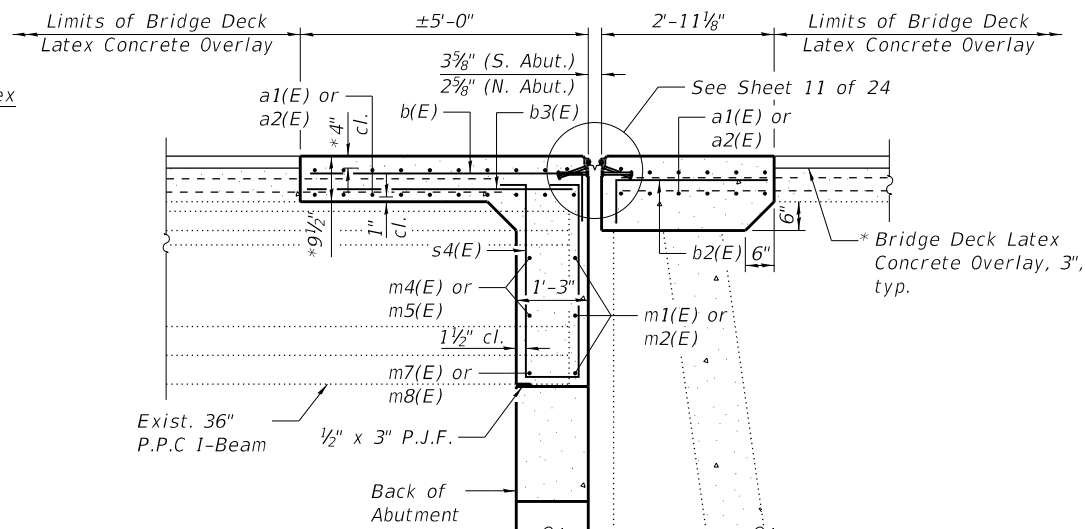
SECTION B-B
(Showing Removal)



SECTION E-E



SECTION A-A
(Showing Proposed)



SECTION B-B
(Showing Proposed)

Notes:
 Bars indicated thus 3 x 2-#5 etc. indicates 3 lines of bars with 2 lengths per line.
 See sheet 10 of 24 for Section F-F.
 New bridge deck, diaphragms, and parapets shall be paid for as Concrete Superstructure.

MINIMUM BAR LAP
#5 bar = 3'-7"

* Prior to Diamond Grinding

MODEL: Default
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MAURER-STUTZ
ENGINEERS SURVEYORS

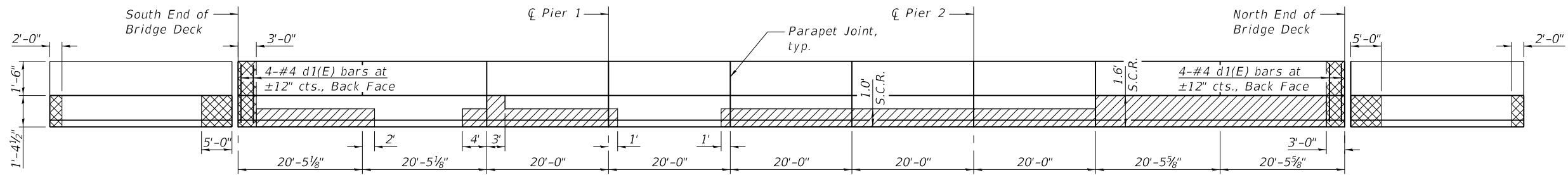
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 057-0158

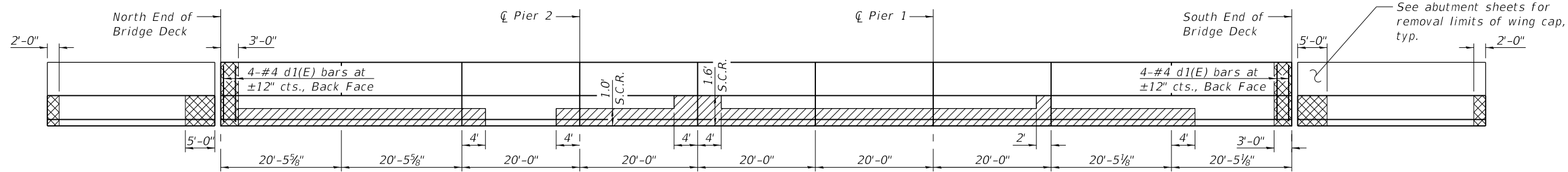
SHEET NO. 9 OF 24 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	44
CONTRACT NO. 70D16				
ILLINOIS		FED. AID PROJECT		



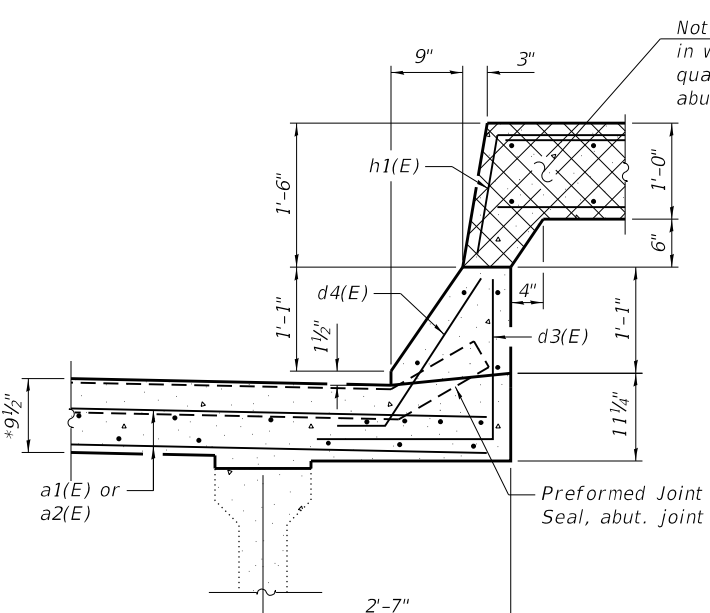
WEST PARAPET ELEVATION

(Looking West)

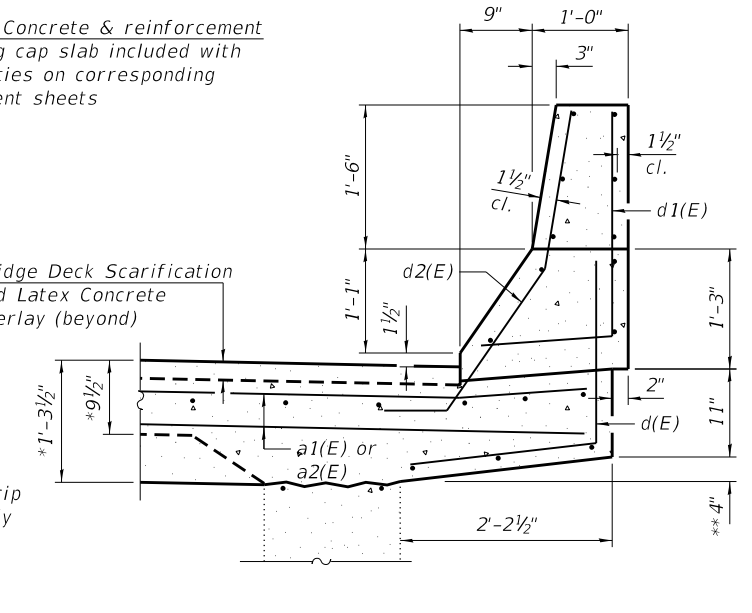


EAST PARAPET ELEVATION

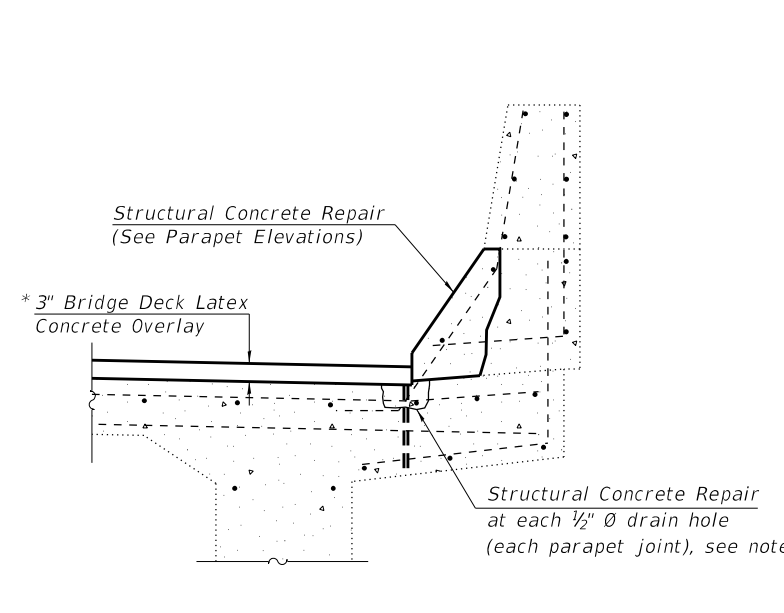
(Looking East)



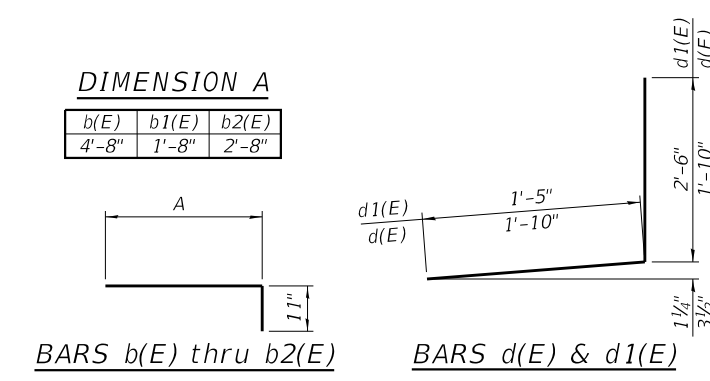
SECTION F-F



SECTION G-G



SECTION H-H



LEGEND

	Concrete Removal and Concrete Superstructure (Parapet)
	Structural Concrete Repair, Depth Equal To or Less Than 5 Inches

SUPERSTRUCTURE (S.N. 057-0158)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1(E)	80	#5	28'-10"	—
a2(E)	80	#5	26'-9"	—
b(E)	108	#5	5'-7"	┌
b1(E)	108	#5	2'-7"	┌
b2(E)	114	#5	3'-7"	┌
b3(E)	146	#5	4'-8"	┌
d(E)	16	#4	3'-8"	┌
d1(E)	16	#4	3'-11"	┌
d2(E)	16	#5	3'-10"	┌
d3(E)	36	#4	3'-6"	┌
d4(E)	36	#5	2'-4"	┌
m1(E)	6	#5	28'-2"	—
m2(E)	6	#5	26'-5"	—
m4(E)	24	#5	6'-2"	—
m5(E)	4	#5	4'-4"	—
m7(E)	12	#5	5'-2"	—
m8(E)	2	#5	3'-4"	—
s4(E)	76	#4	8'-8"	U
u3(E)	12	#5	3'-11"	U
Concrete Removal		Cu. Yds.	52.5	
Concrete Superstructure		Cu. Yds.	56.2	
Reinforcement Bars, Epoxy Coated		Lbs.	8090	

Notes:

For details and quantity of Preformed Joint Strip Seal, see sheet 11 of 24.

At each drain hole location, remove ±2" depth of concrete around the hole, clean and fill the hole with polyurethane sealant, and fill the removed concrete with fresh concrete prior to placement of the latex concrete overlay. Cost included in Structural Concrete Repair.

MODEL: Default
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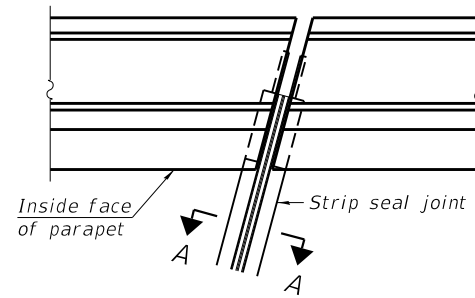
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

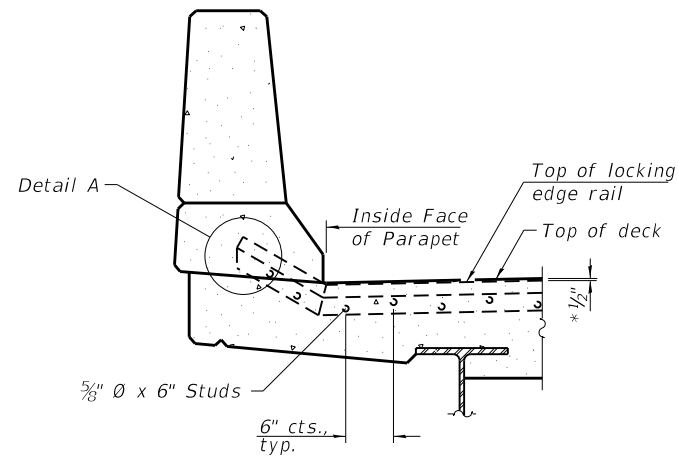
SUPERSTRUCTURE DETAILS
STRUCTURE NO. 057-0158

SHEET NO. 10 OF 24 SHEETS

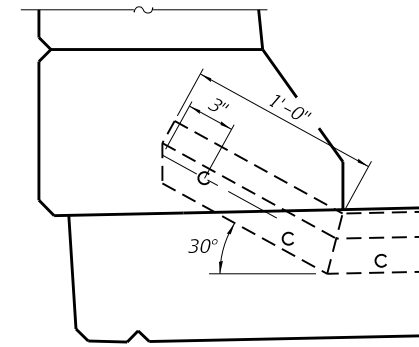
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	45
CONTRACT NO. 70D16				
ILLINOIS FED. AID PROJECT				



PLAN AT PARAPET

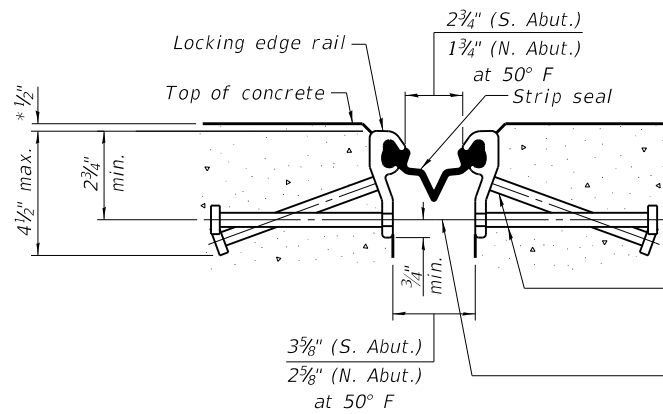


ELEVATION AT PARAPET

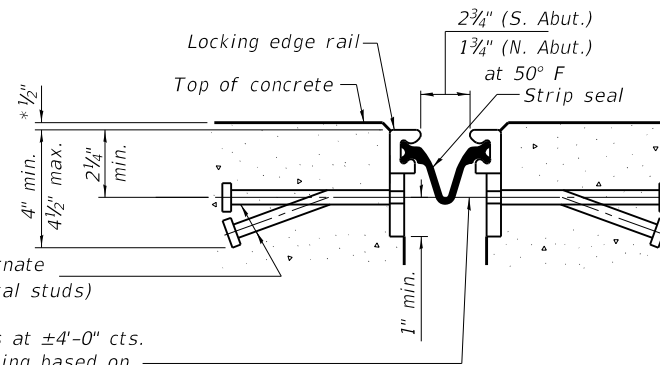


DETAIL A

* Prior to Diamond Grinding



SHOWING ROLLED RAIL JOINT



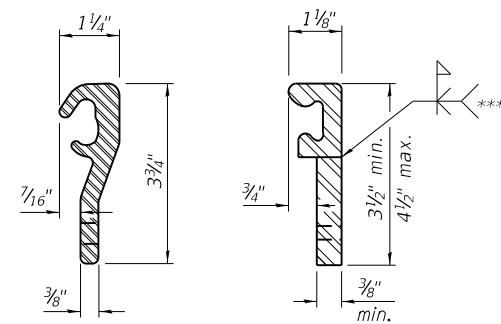
SHOWING WELDED RAIL JOINT

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

3/8" ϕ threaded rods in 7/16" ϕ holes at $\pm 4'-0"$ 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.

SECTION A-A

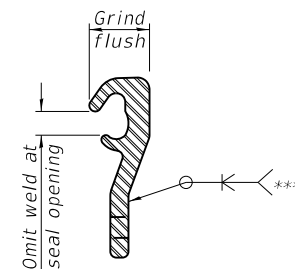
** Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



ROLLED (EXTRUDED) RAIL WELDED RAIL

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.

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.

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.

BILL OF MATERIAL

S.N. 057-0157

Item	Unit	Total
Preformed Joint Strip Seal	Foot	82

BILL OF MATERIAL

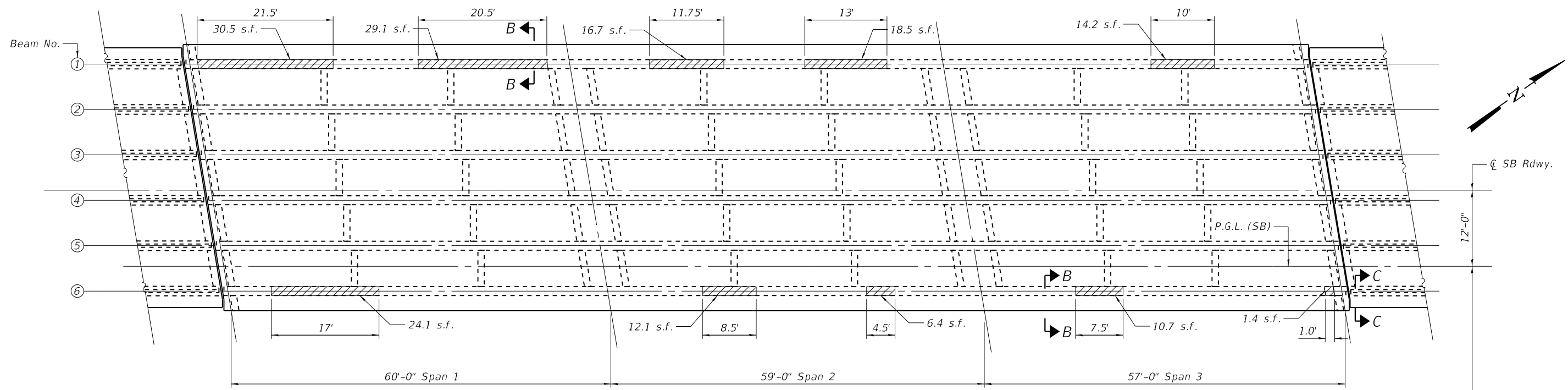
S.N. 057-0158

Item	Unit	Total
Preformed Joint Strip Seal	Foot	104

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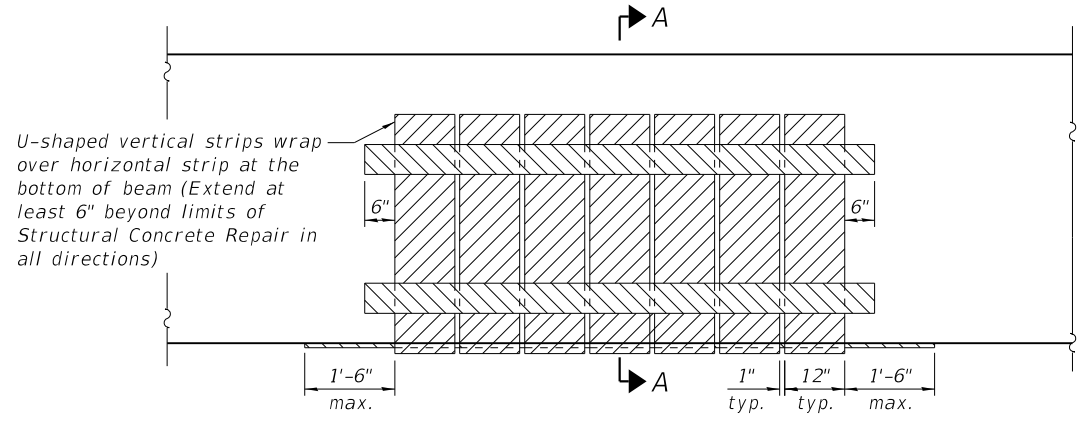
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F.A.I. RTE. 55	SECTION (57-9HB)BR	COUNTY MCLEAN	TOTAL SHEETS 67	SHEET NO. 46
CONTRACT NO. 70D16				
ILLINOIS FED. AID PROJECT				



REFLECTED DECK AND FRAMING PLAN
(quantities shown for areas on bottom of beams)

Notes:
 For Bill of Materials of Structural Concrete Repair, see sheet 13 of 24.
 Beam repair areas shown are estimated from soundings on March 11 and 12, 2019. Actual locations and quantities of completed repairs shall be shown by the Engineer on as-built plans.
 Apply FRP Strengthening reinforcement to all portions of the concrete beams being repaired in spans 1, 2, and 3 after the concrete repairs are completed.
 The existing concrete surface shall be cleaned and prepared in accordance with the Special Provisions for "FRP Strengthening".
 Acrylic coating shall be placed over Fiber Wrap repairs. Two coats shall be applied.
 Fiber Wrap and Acrylic Coating need not extend beyond face of abutment or pier diaphragms.
 3-inch strips shall be installed parallel to the bottom curvature of the beams. Wrap 6" onto interior diaphragms within the span.
 Color of Acrylic Coating shall be chosen to best match the appearance of the existing concrete.

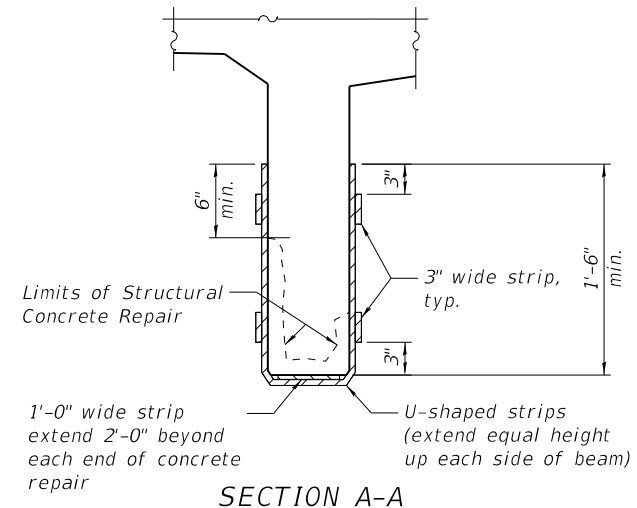


FRP STRENGTHENING ELEVATION

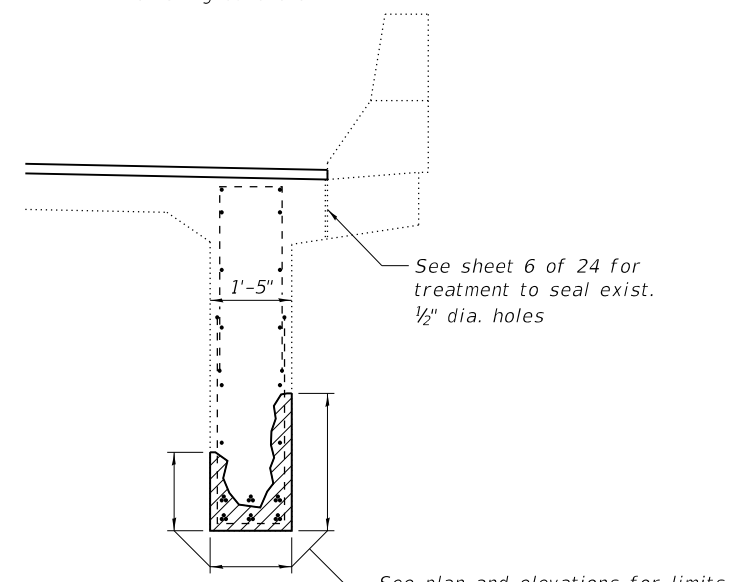
Centerline SB Rdwy.
 12'-0"
 44'-0"
 Centerline F.A.I. 55 Median & Survey

LEGEND

Structural Concrete Repair, Depth Equal To or Less Than 5 Inches

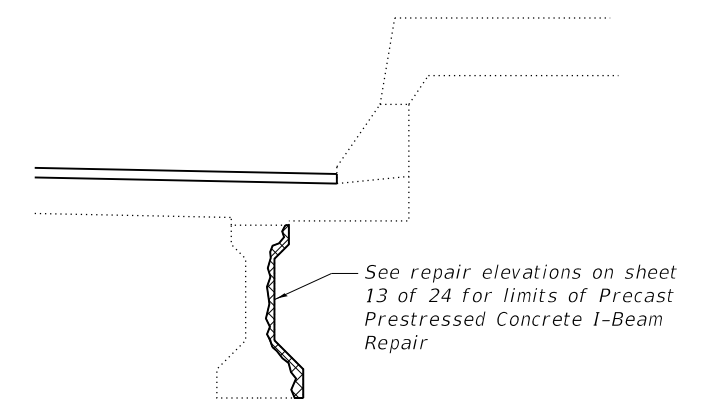


SECTION A-A



SECTION B-B

(FRP not shown for clarity)



SECTION C-C

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

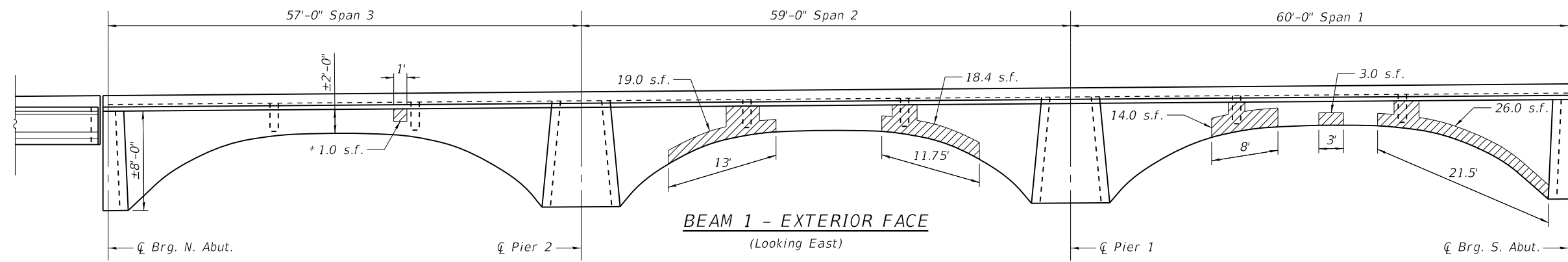
**BEAM REPAIR PLAN
 STRUCTURE NO. 057-0157**

SHEET NO. 12 OF 24 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	47
CONTRACT NO. 70D16				

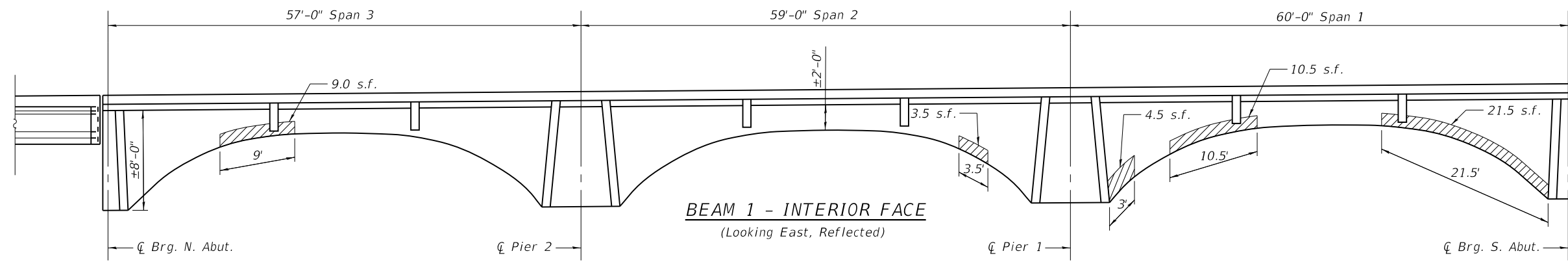
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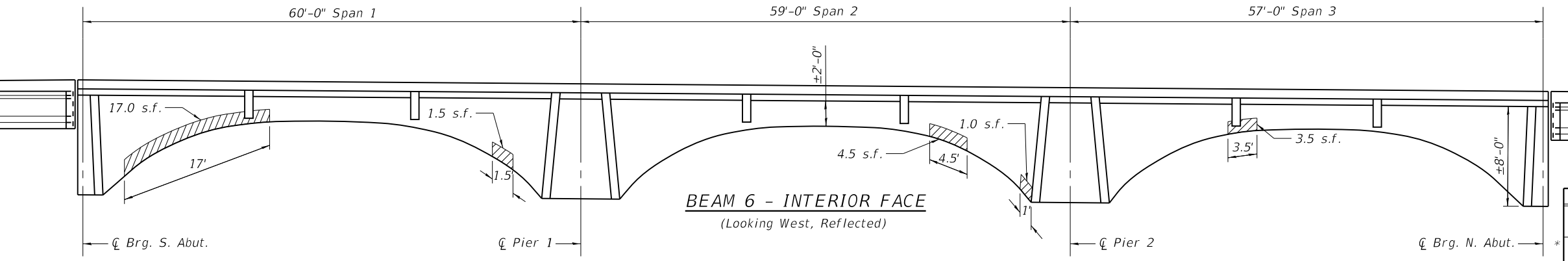
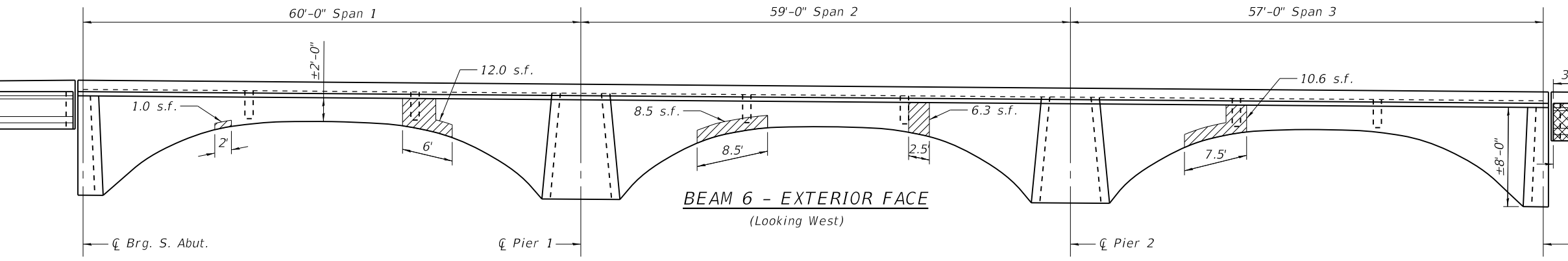


LEGEND

	Precast Prestressed Concrete I-Beam Repair
	Structural Concrete Repair, Depth Equal To or Less Than 5 Inches



Notes:
 Quantities shown represent areas on vertical and sloped surfaces of beams.
 See sheet 12 of 24 for Structural Concrete Repair on bottom of beams and details of FRP reinforcement over each repair area.



**BEAM REPAIR (S.N. 057-0157)
 BILL OF MATERIAL**

Item	Unit	Total
Precast Prestressed Concrete I-Beam Repair	Sq. Ft.	16
Structural Repair of Concrete (Depth ≤ 5 in.)	Sq. Ft.	396
Acrylic Coating	Sq. Yd.	125
Fiber Wrap	Sq. Ft.	1214

* Includes 10% allowance for increase in deterioration.

* Fiber Wrap over repair area need not follow detail shown on sheet 12 of 24. Apply single 12" wide strip horizontally across repair extending 6" below and beyond each end of repair area.



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PLOT DATE = 12/2/2020	DRAWN -	REVISED -
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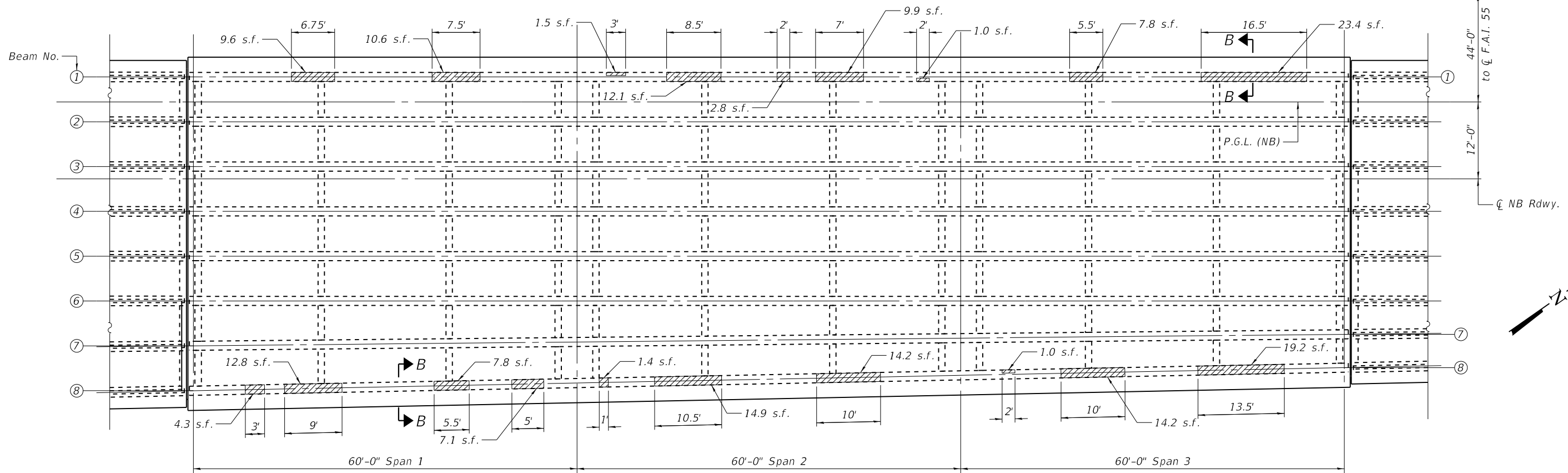
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BEAM REPAIR ELEVATIONS
 STRUCTURE NO. 057-0157**

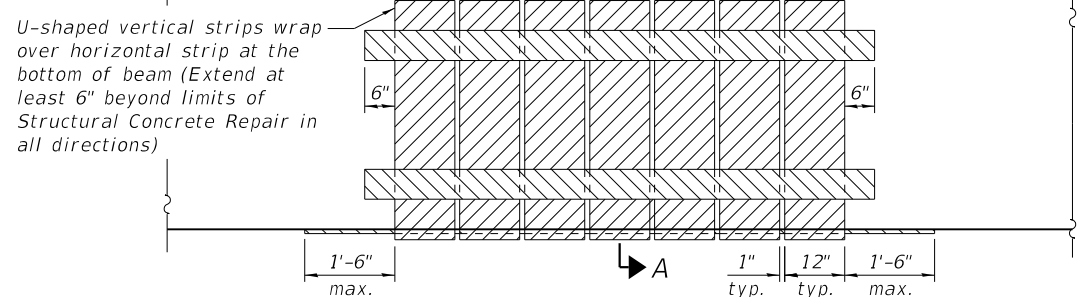
SHEET NO. 13 OF 24 SHEETS

F.A.I. RTE. 55	SECTION (57-9HB)BR	COUNTY MCLEAN	TOTAL SHEETS 67	SHEET NO. 48
CONTRACT NO. 70D16				

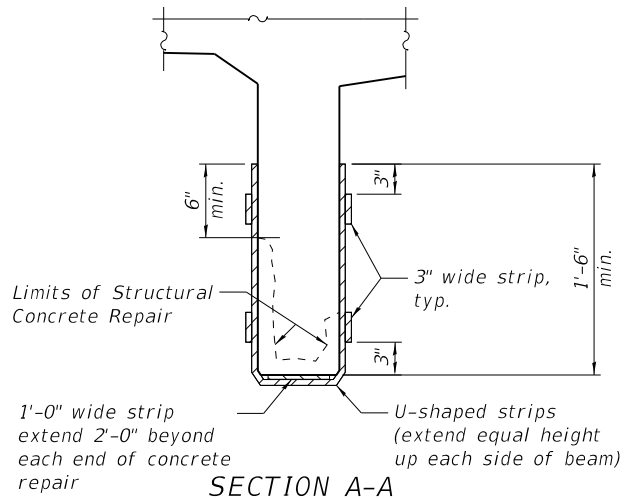
ILLINOIS FED. AID PROJECT



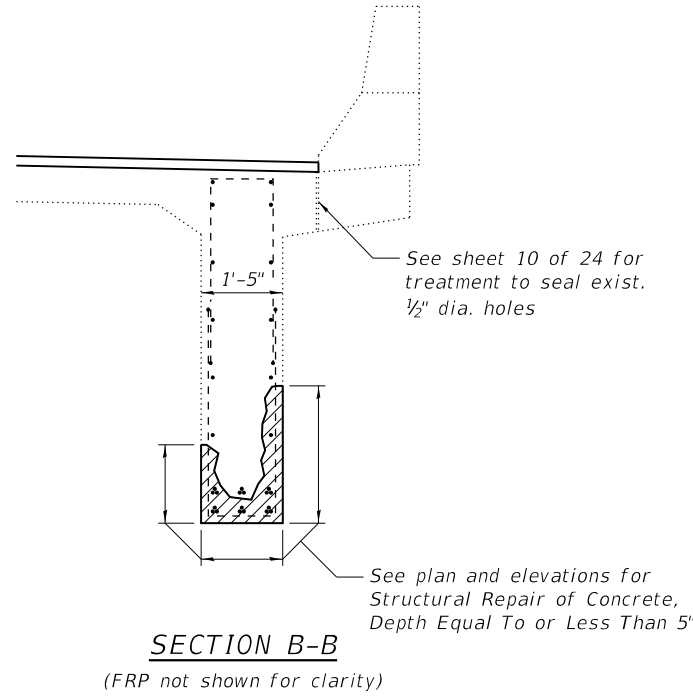
REFLECTED DECK AND FRAMING PLAN
(quantities shown for areas on bottom of beams)



FRP STRENGTHENING ELEVATION



SECTION A-A



SECTION B-B

(FRP not shown for clarity)

LEGEND

	Structural Concrete Repair, Depth Equal To or Less Than 5 Inches
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Notes:
 For Bill of Materials of Structural Concrete Repair, see sheet 15 of 24.
 Beam repair areas shown are estimated from soundings on March 11 and 12, 2019. Actual locations and quantities of completed repairs shall be shown by the Engineer on as-built plans.
 Apply FRP Strengthening reinforcement to all portions of the concrete beams being repaired in spans 1, 2, and 3 after the concrete repairs are completed. The existing concrete surface shall be cleaned and prepared in accordance with the Special Provisions for "FRP Strengthening".
 Acrylic coating shall be placed over Fiber Wrap repairs. Two coats shall be applied.
 Fiber Wrap and Acrylic Coating need not extend beyond face of abutment or pier diaphragms.
 3-inch strips shall be installed parallel to the bottom curvature of the beams. Wrap 6" onto interior diaphragms within the span.
 Color of Acrylic Coating shall be chosen to best match the appearance of the existing concrete.

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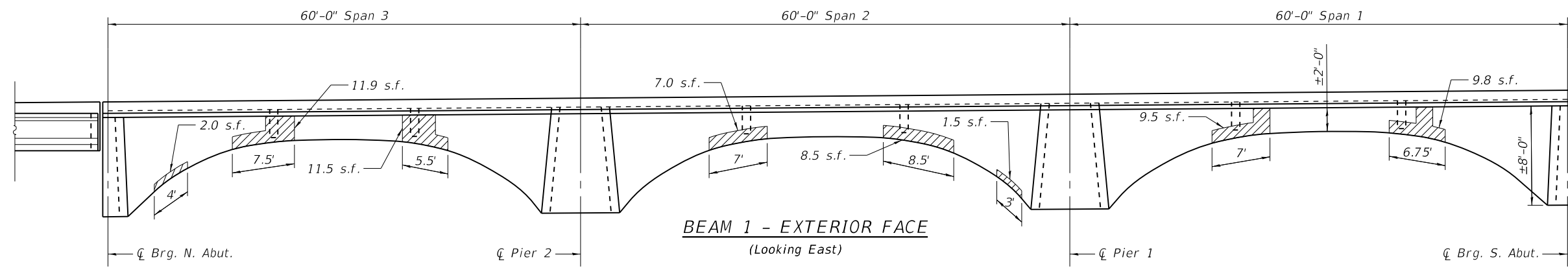
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEAM REPAIR PLAN
STRUCTURE NO. 057-0158

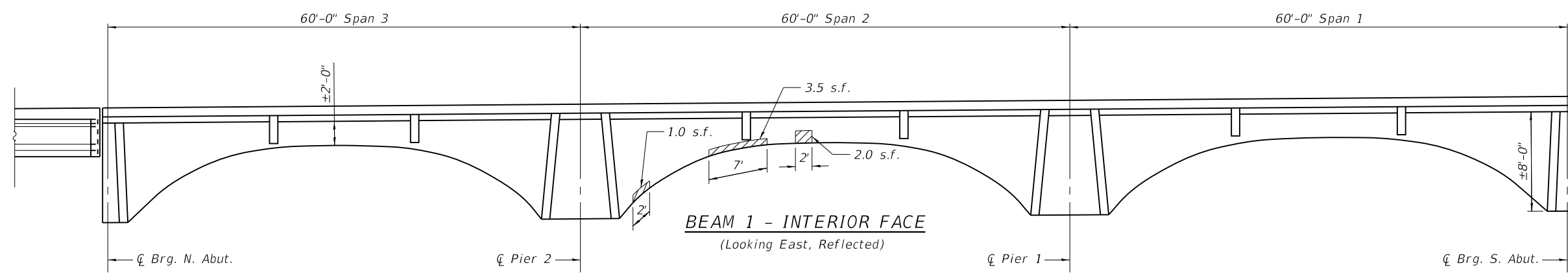
SHEET NO. 14 OF 24 SHEETS

F.A.I. RTE. 55	SECTION (57-9HB)BR	COUNTY MCLEAN	TOTAL SHEETS 67	SHEET NO. 49
CONTRACT NO. 70D16				
ILLINOIS FED. AID PROJECT				



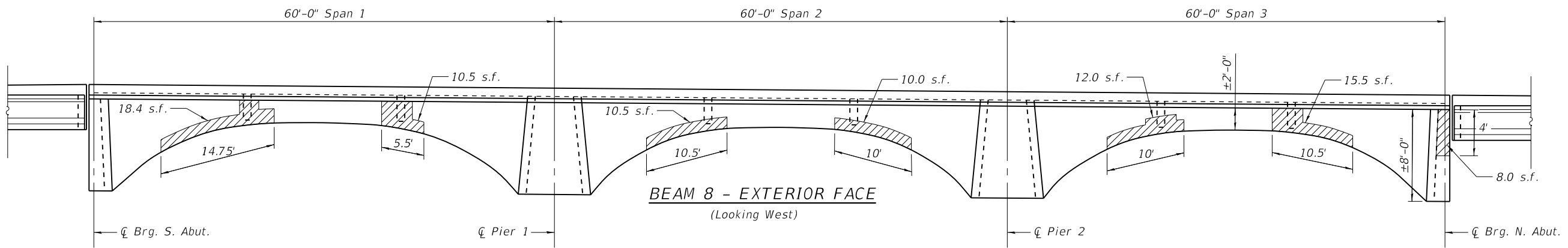
BEAM 1 - EXTERIOR FACE
(Looking East)

LEGEND
 Structural Concrete Repair, Depth Equal To or Less Than 5 Inches

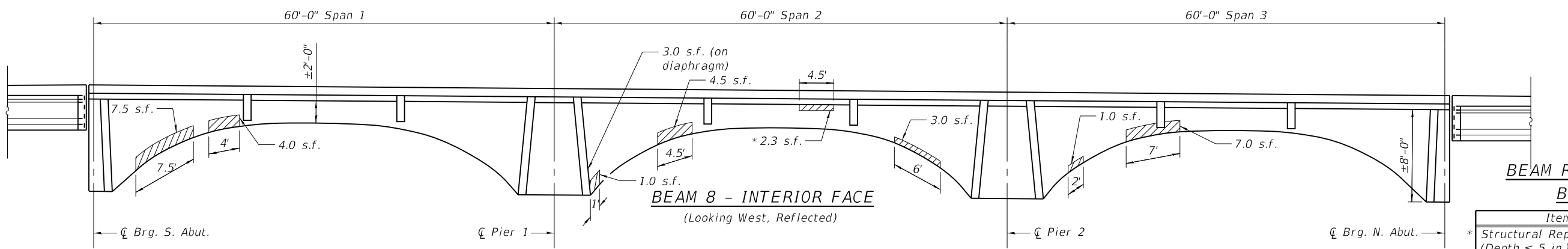


BEAM 1 - INTERIOR FACE
(Looking East, Reflected)

Notes:
 Quantities shown represent areas on vertical surfaces of beams and diaphragm.
 See sheet 14 of 24 for Structural Concrete Repair on bottom of beams and details of FRP reinforcement over each repair area.



BEAM 8 - EXTERIOR FACE
(Looking West)



BEAM 8 - INTERIOR FACE
(Looking West, Reflected)

* Fiber Wrap over repair area need not follow detail shown on sheet 14 of 24. Apply single 12" wide strip horizontally across repair extending 6" below and beyond each end of repair area.

BEAM REPAIR (S.N. 057-0158)
BILL OF MATERIAL

Item	Unit	Total
* Structural Repair of Concrete (Depth ≤ 5 in.)	Sq. Ft.	398
* Acrylic Coating	Sq. Yd.	128
* Fiber Wrap	Sq. Ft.	1300

* Includes 10% allowance for increase in deterioration.

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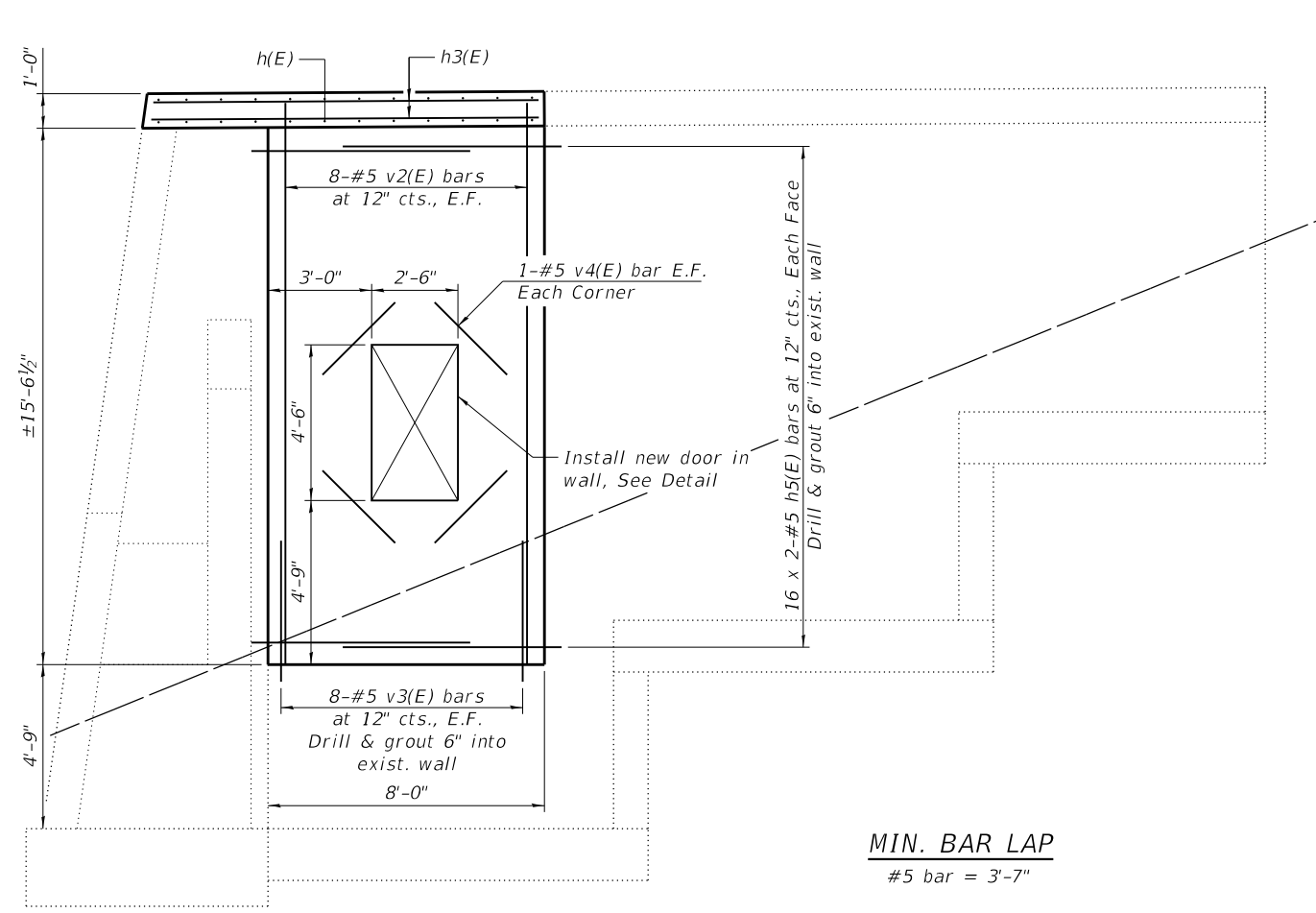
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BEAM REPAIR ELEVATIONS
STRUCTURE NO. 057-0158

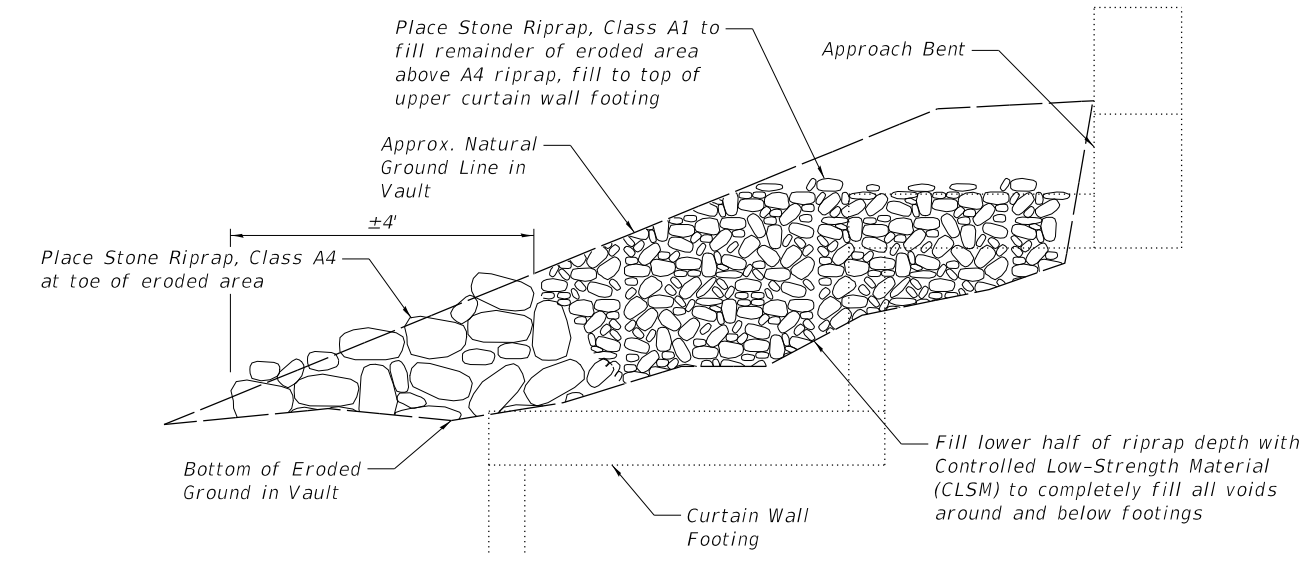
SHEET NO. 15 OF 24 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	50
CONTRACT NO. 70D16				
		ILLINOIS	FED. AID PROJECT	



VIEW C-C

MIN. BAR LAP
#5 bar = 3'-7"

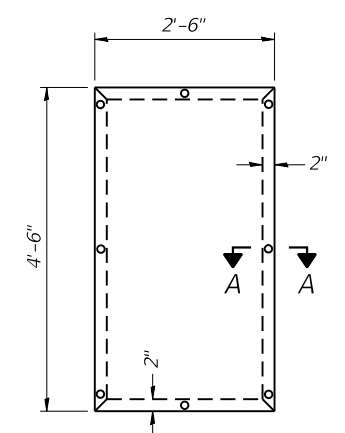


VAULT EROSION REPAIR DETAIL

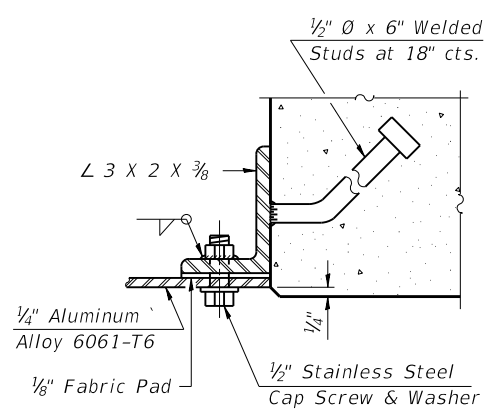
Erosion Repair Notes:
The Contractor shall provide suitable forms, fabric, or other containment to prevent CLSM from flowing out bottom end of riprap fill.
The limits of the erosion repair measures may be adjusted to suit encountered conditions in the field at the direction of the Engineer.

ESTIMATED EROSION REPAIR QUANTITY

Item	Unit	Total
Stone Dumped Riprap, Class A4	Ton	6
Stone Dumped Riprap, Class A1	Ton	17
Controlled Low-Strength Material	Cu. Yd.	3



DOOR ELEVATION
Cost of door and frame are included with Access Door.



SECTION A-A

TEMPORARY SHORING AND CRIBBING LOADS (EACH BEAM)

Load Type	Magnitude
Dead Load	23.5 kips
Live Load	2.2 kips

Notes:
The temporary shoring support location below the P.P.C. I-Beams shall be located within 4 feet of the back of existing abutment.
Heavy equipment shall not be run on the approach span deck while the abutment supports are removed or until the new concrete achieves full strength.
The shoring load above considers a 20 psf construction live load. If greater live loads are desired, the design load for the temporary shoring and cribbing shall be increased accordingly.
See special provision for "Temporary Shoring and Cribbing".

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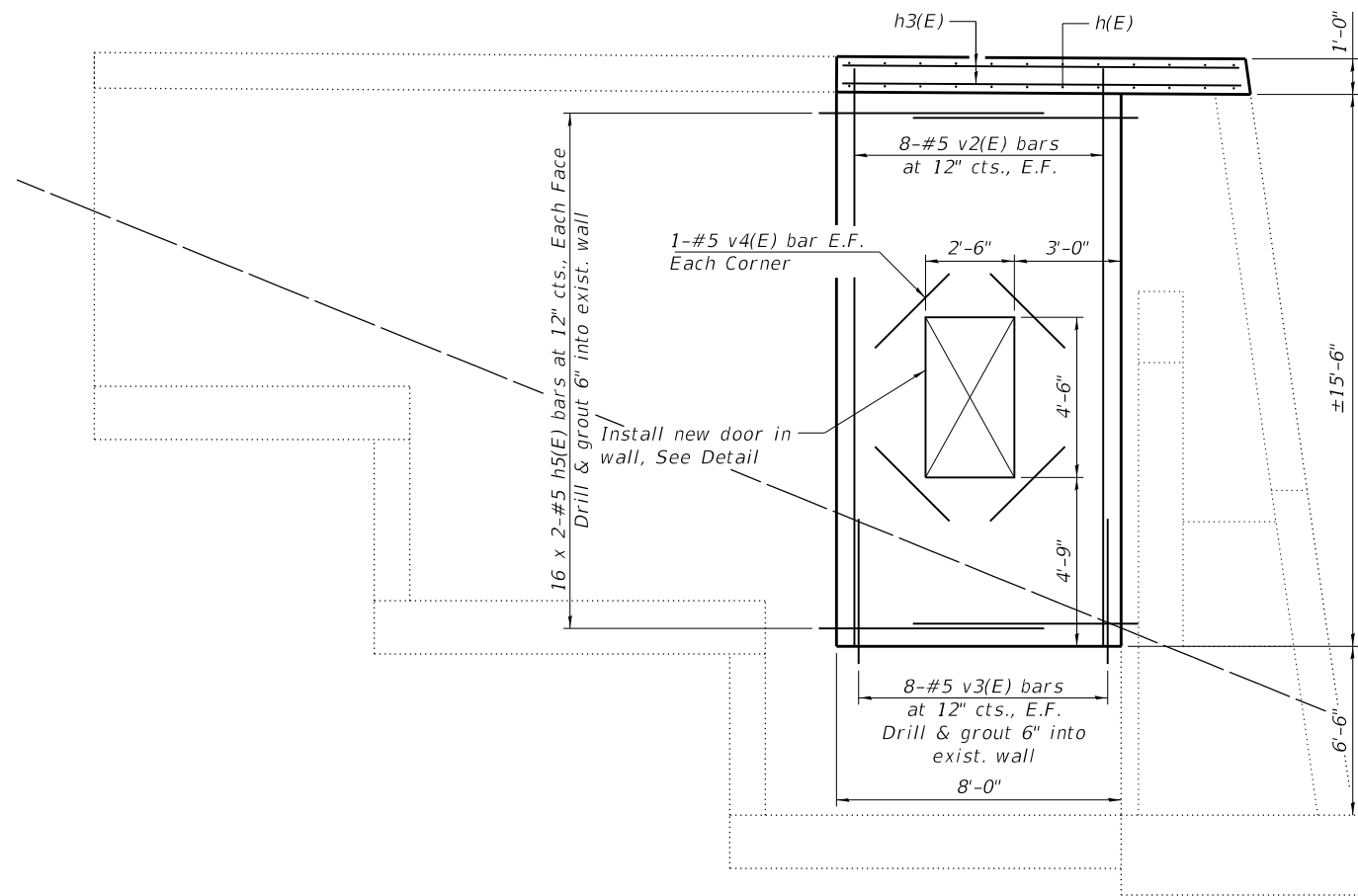
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

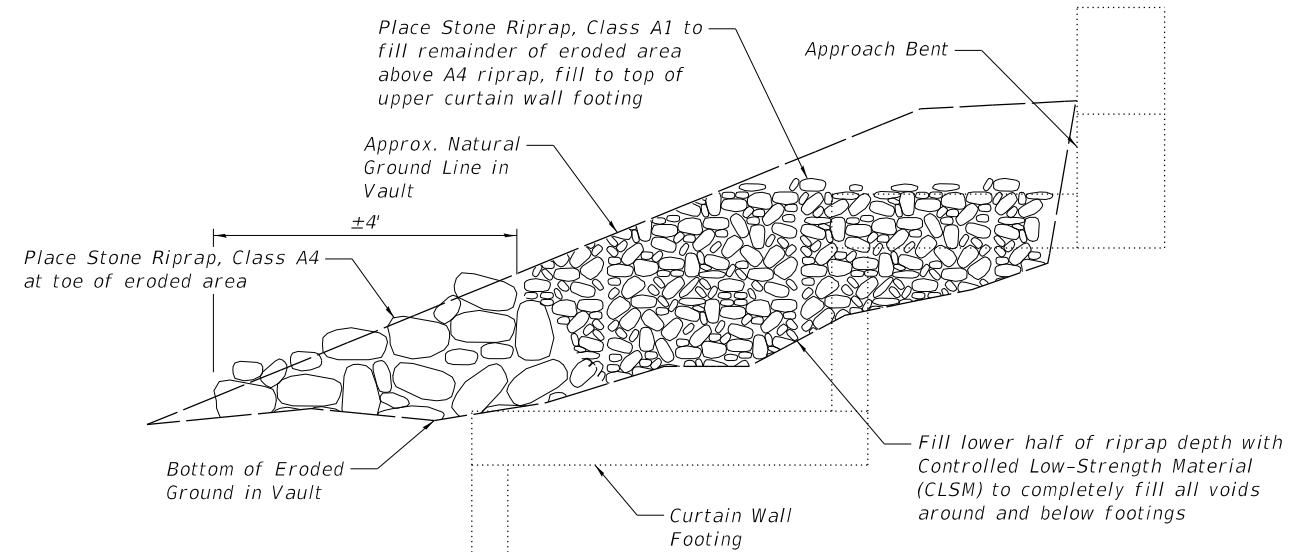
SOUTH ABUTMENT REPAIR
STRUCTURE NO. 057-0157

SHEET NO. 17 OF 24 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	52
CONTRACT NO. 70D16				
ILLINOIS FED. AID PROJECT				



VIEW C-C



VAULT EROSION REPAIR DETAIL

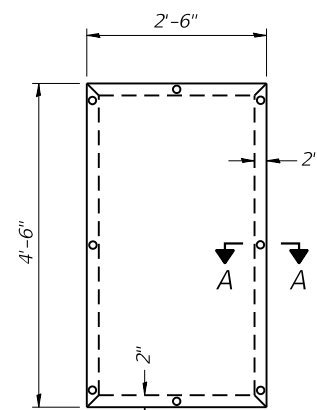
Erosion Repair Notes:

The Contractor shall provide suitable forms, fabric, or other containment to prevent CLSM from flowing out bottom end of riprap fill.

The limits of the erosion repair measures may be adjusted to suit encountered conditions in the field at the direction of the Engineer.

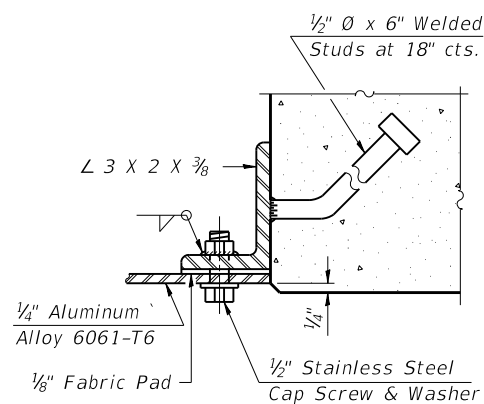
ESTIMATED EROSION REPAIR QUANTITY

Item	Unit	Total
Stone Dumped Riprap, Class A4	Ton	6
Stone Dumped Riprap, Class A1	Ton	17
Controlled Low-Strength Material	Cu. Yd.	3



DOOR ELEVATION

Cost of door and frame are included with Access Door.



SECTION A-A

TEMPORARY SHORING AND CRIBBING LOADS (EACH BEAM)

Load Type	Magnitude
Dead Load	23.5 kips
Live Load	2.2 kips

Notes:

The temporary shoring support location below the P.P.C. I-Beams shall be located within 4 feet of the back of existing abutment.

Heavy equipment shall not be run on the approach span deck while the abutment supports are removed or until the new concrete achieves full strength.

The shoring load above considers a 20 psf construction live load. If greater live loads are desired, the design load for the temporary shoring and cribbing shall be increased accordingly.

See special provision for "Temporary Shoring and Cribbing".

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

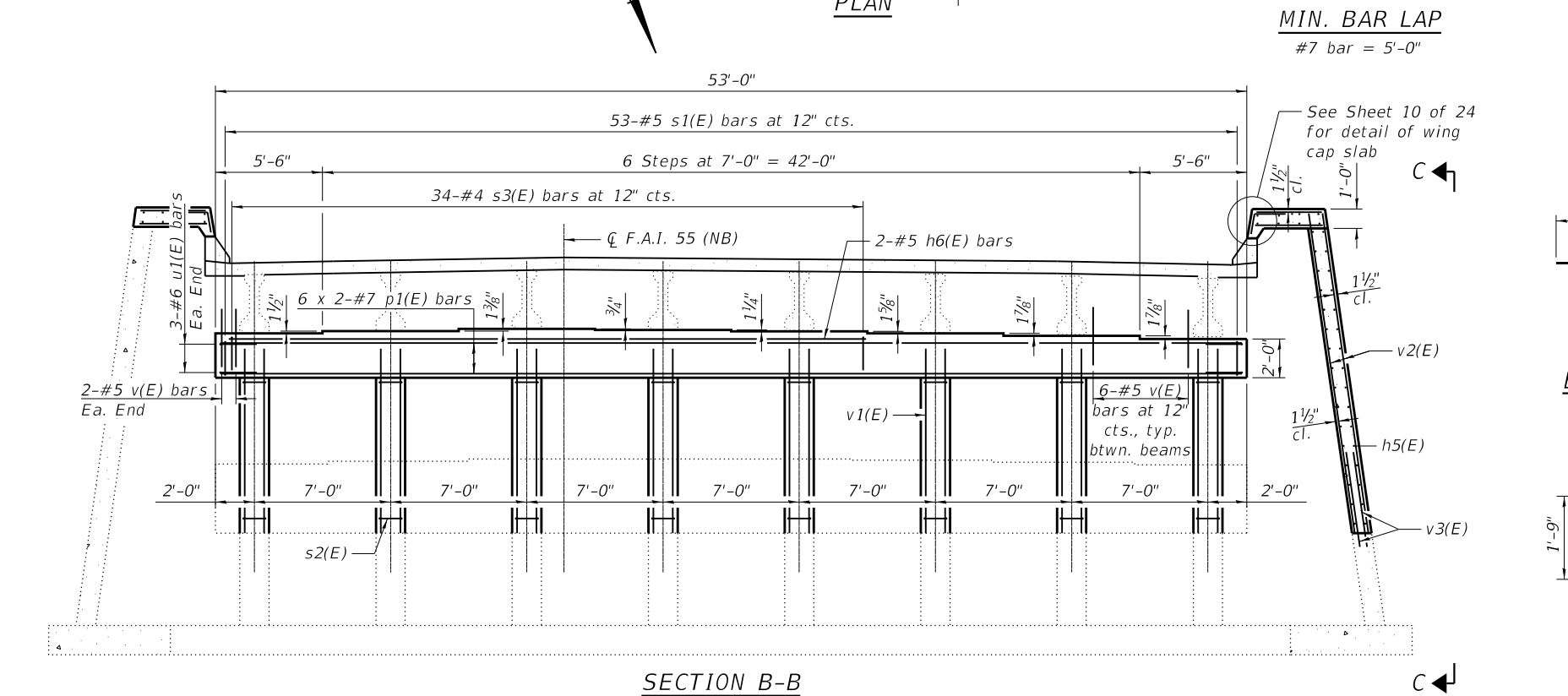
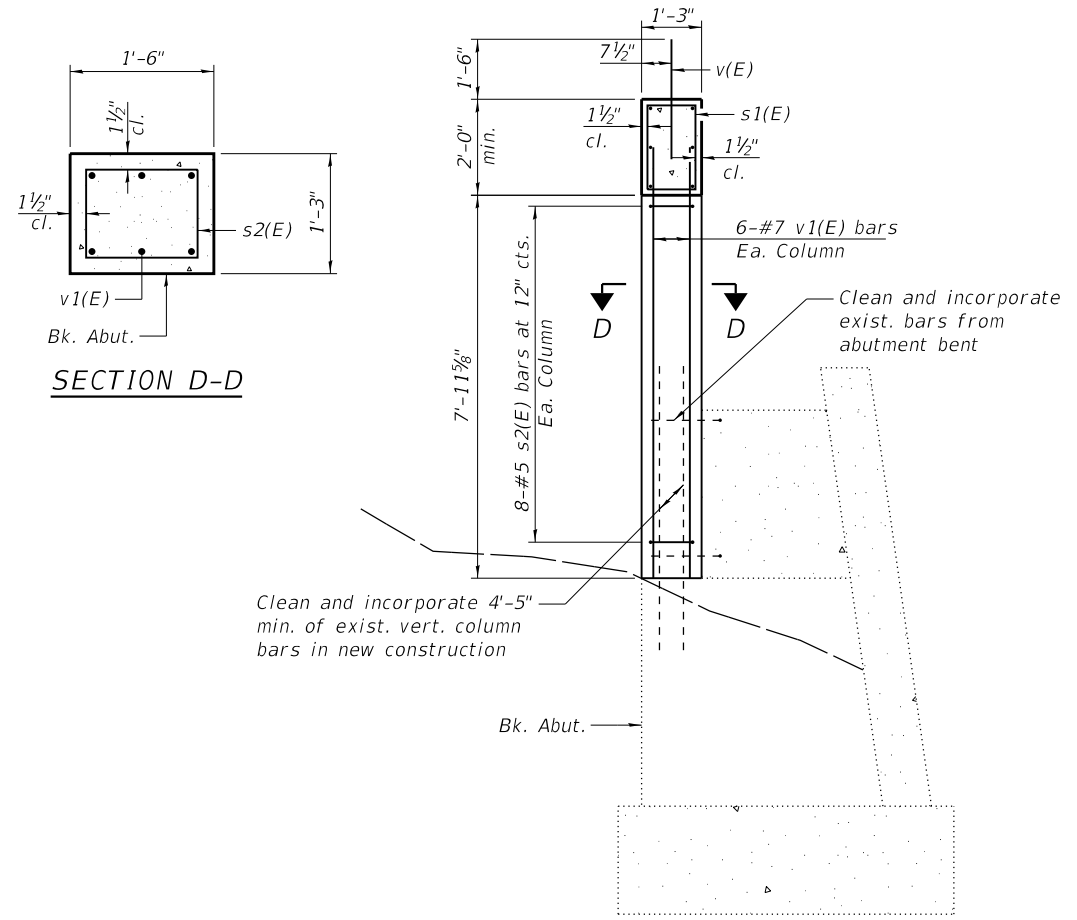
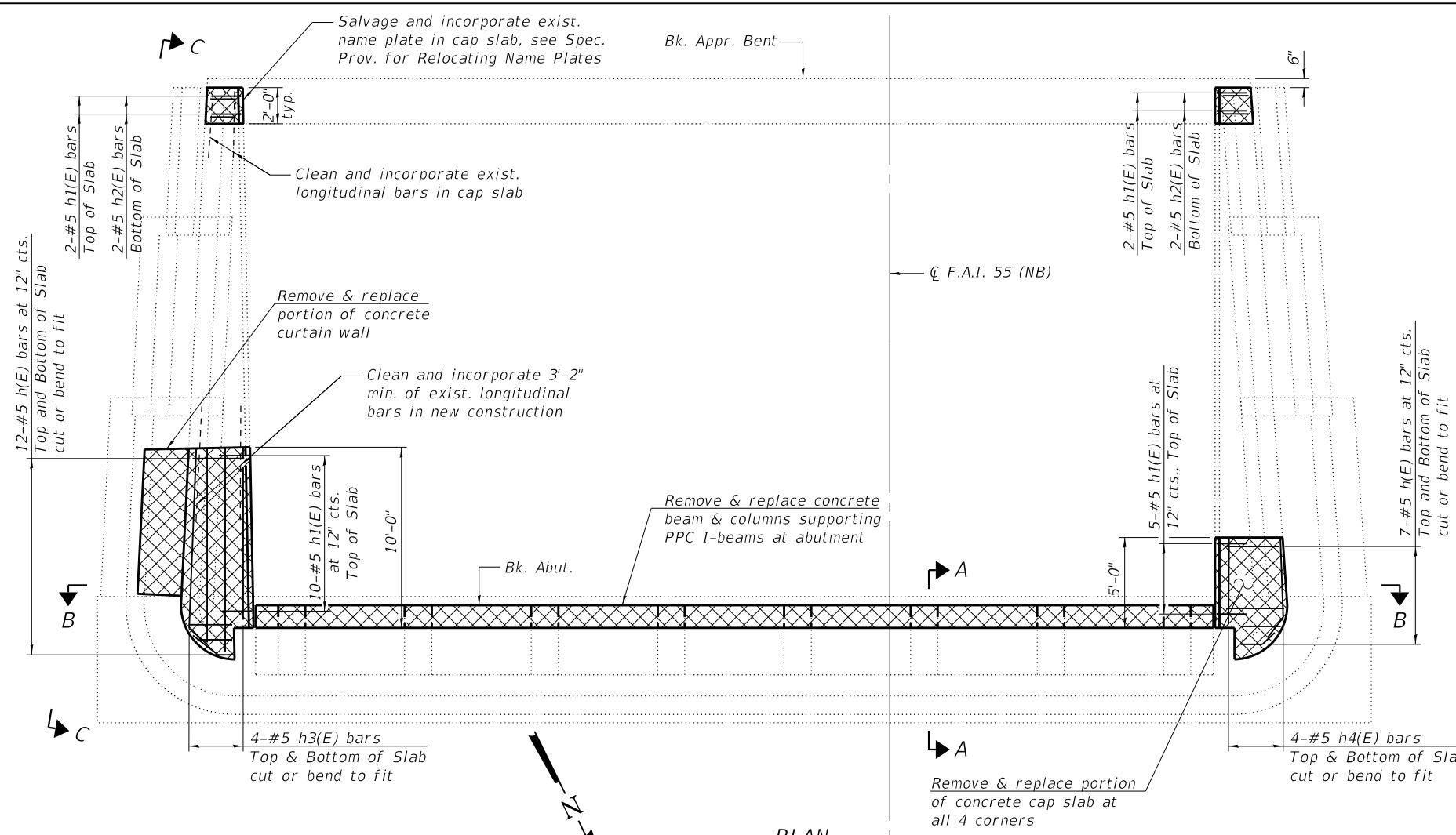
NORTH ABUTMENT REPAIR
STRUCTURE NO. 057-0157

SHEET NO. 19 OF 24 SHEETS

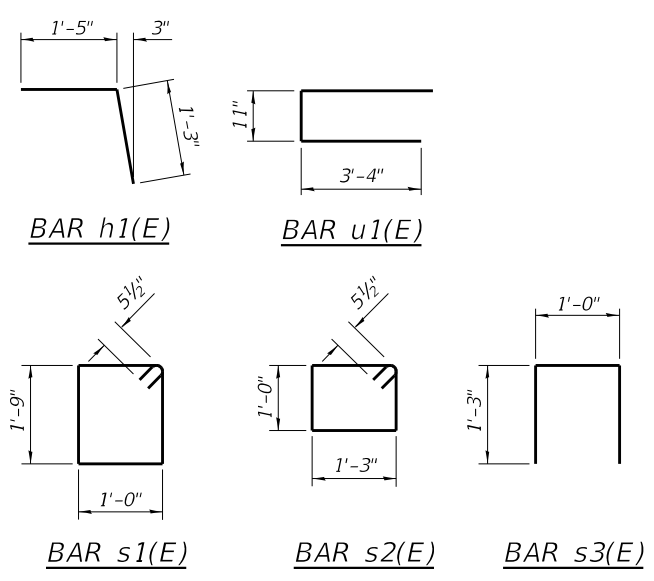
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55	(57-9HB)BR	MCLEAN	67	54
CONTRACT NO. 70D16				

ILLINOIS FED. AID PROJECT

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PLOT SCALE = 0:2.0000 "/in.	CHECKED -	REVISED -
PLOT DATE = 10/15/2020	DRAWN -	REVISED -
	CHECKED -	REVISED -



Notes:
 Bars indicated thus 6 x 2-#7 etc. indicates 6 lines of bars with 2 lengths per line.
 Apply Concrete Sealer to exposed faces of beam and columns supporting P.P.C. I-beams.
 See sheet 21 of 24 for View C-C.
 New construction shall match existing concrete elevations.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h1(E)	38	#5	3'-5"	—
h1(E)	19	#5	2'-8"	—
h2(E)	4	#5	1'-8"	—
h3(E)	8	#5	11'-8"	—
h4(E)	8	#5	6'-8"	—
h5(E)	64	#5	6'-4"	—
h6(E)	2	#5	33'-3"	—
p1(E)	12	#7	28'-11"	—
s1(E)	53	#5	6'-5"	□
s2(E)	64	#5	5'-5"	□
s3(E)	34	#4	3'-6"	□
u1(E)	6	#6	7'-7"	□
v(E)	46	#5	3'-0"	—
v1(E)	48	#7	9'-8"	—
v2(E)	16	#5	16'-5"	—
v3(E)	16	#5	3'-8"	—
v4(E)	8	#5	3'-0"	—
Concrete Removal		Cu. Yd.	17.3	
Concrete Structures		Cu. Yd.	17.3	
Reinforcement Bars, Epoxy Coated		Pound	3870	
Concrete Sealer		Sq. Ft.	618	
Access Door		Each	1	
Temporary Shoring and Cribbing		Each	8	

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 DEPARTMENT OF TRANSPORTATION

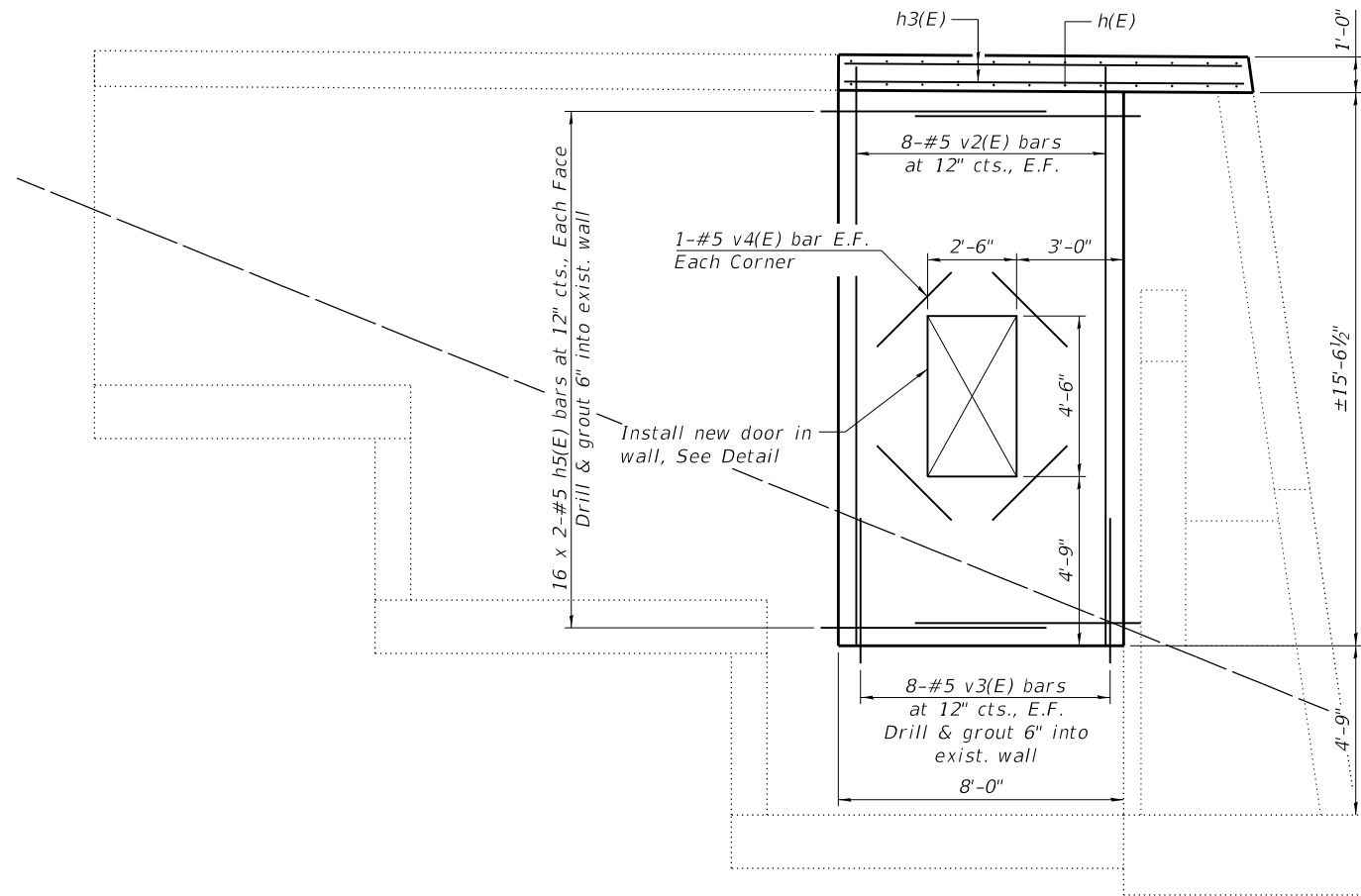
SOUTH ABUTMENT REPAIR
 STRUCTURE NO. 057-0158

SHEET NO. 20 OF 24 SHEETS

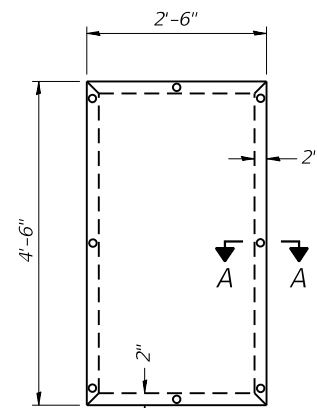
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55	(57-9HB)BR	MCLEAN	67	55

CONTRACT NO. 70D16

ILLINOIS FED. AID PROJECT

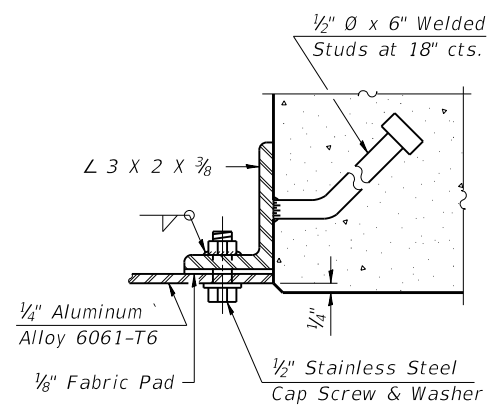


VIEW C-C



DOOR ELEVATION

Cost of door and frame are included with Access Door.



SECTION A-A

TEMPORARY SHORING AND CRIBBING LOADS
(EACH BEAM)

Load Type	Magnitude
Dead Load	23.5 kips
Live Load	2.2 kips

Notes:

The temporary shoring support location below the P.P.C. I-Beams shall be located within 4 feet of the back of existing abutment.

Heavy equipment shall not be run on the approach span deck while the abutment supports are removed or until the new concrete achieves full strength.

The shoring load above considers a 20 psf construction live load. If greater live loads are desired, the design load for the temporary shoring and cribbing shall be increased accordingly.

See special provision for "Temporary Shoring and Cribbing".

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MAURER-STUTZ
ENGINEERS SURVEYORS

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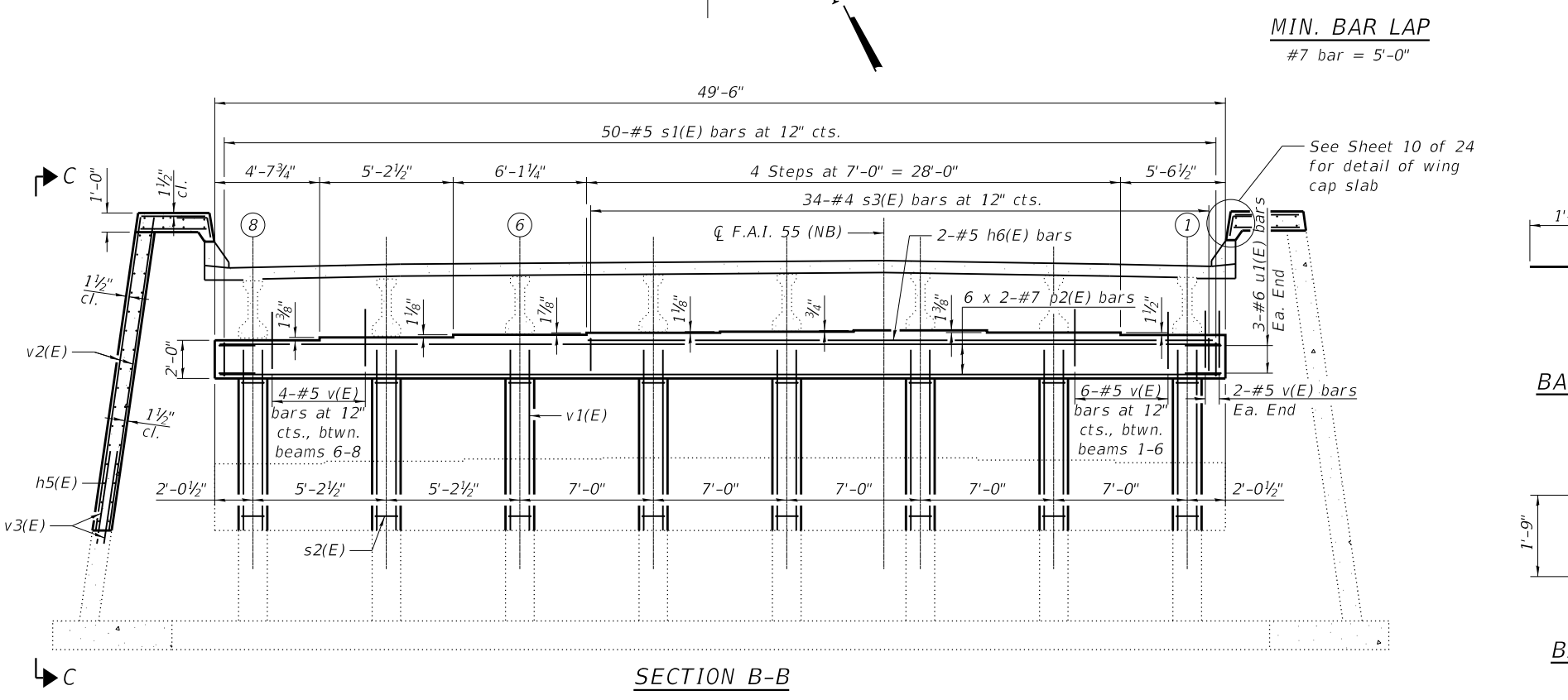
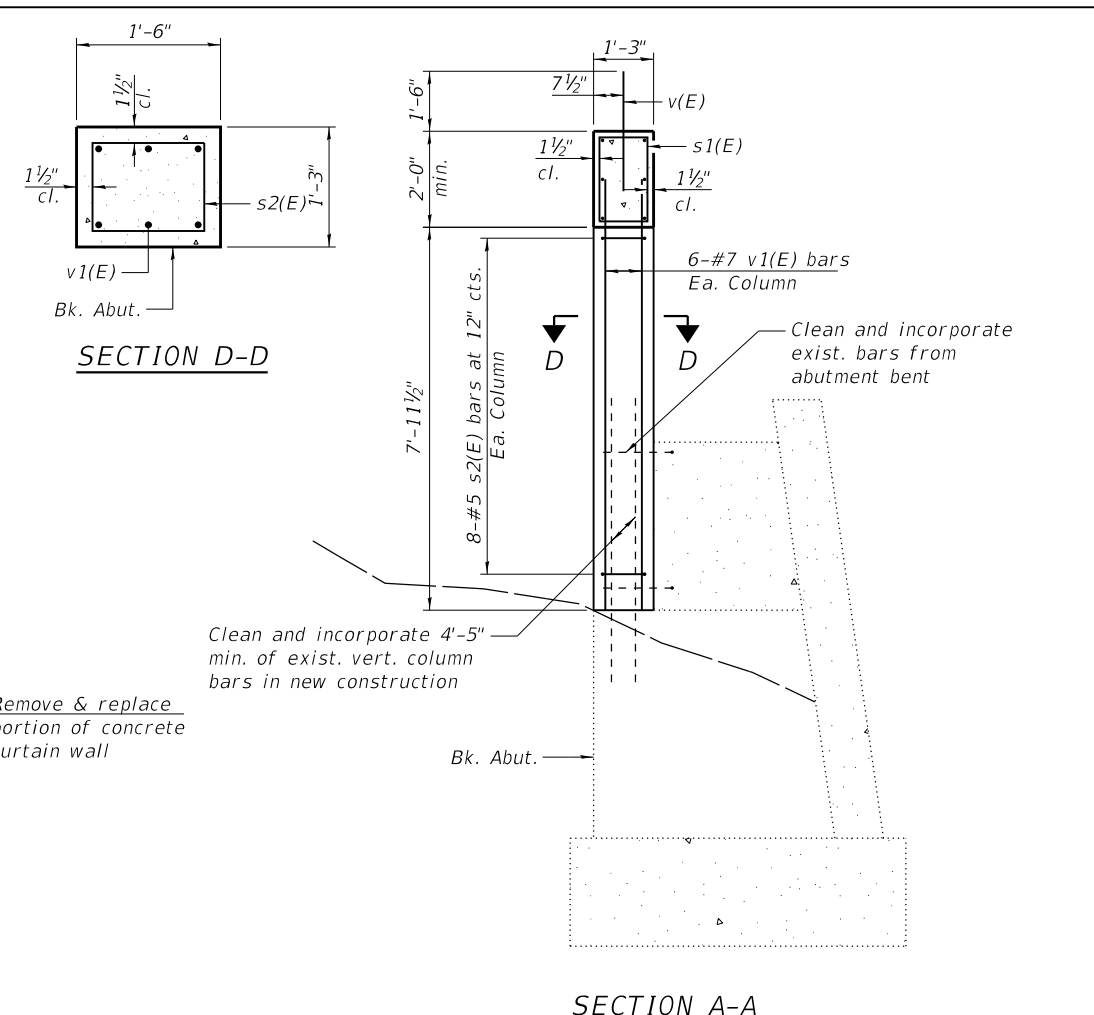
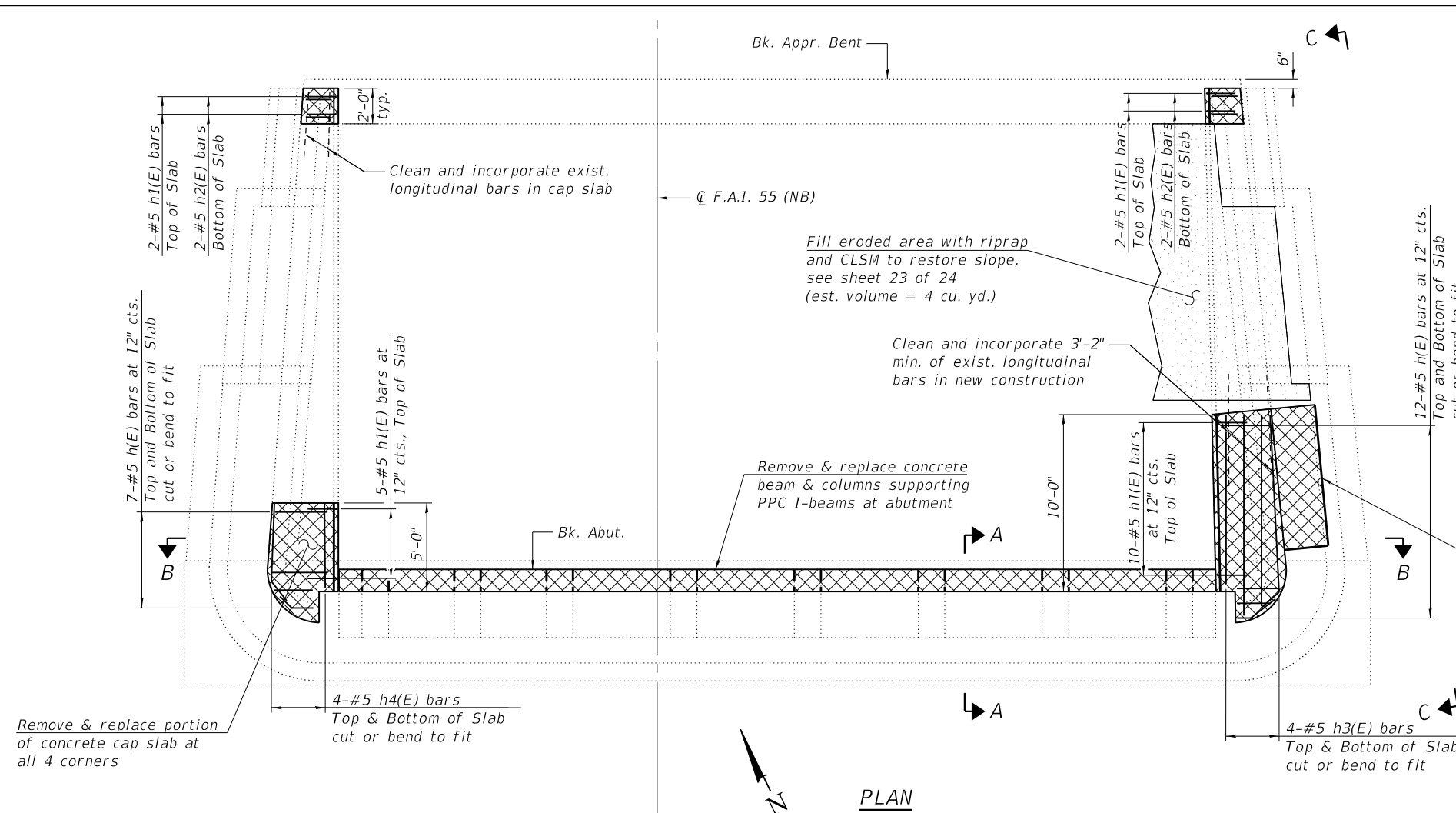
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH ABUTMENT REPAIRS
STRUCTURE NO. 057-0158

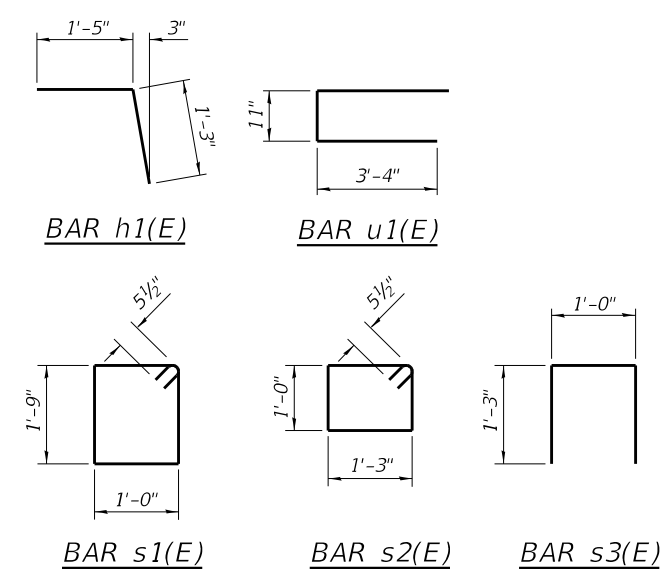
SHEET NO. 21 OF 24 SHEETS

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		ILLINOIS	FED. AID PROJECT	

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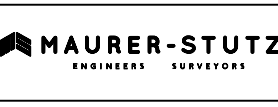


Notes:
 Bars indicated thus 6 x 2-#7 etc. indicates 6 lines of bars with 2 lengths per line.
 Apply Concrete Sealer to exposed faces of beam and columns supporting P.P.C. I-beams.
 See sheet 17 of 24 for View C-C.
 New construction shall match existing concrete elevations.



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h1(E)	38	#5	3'-5"	
h2(E)	4	#5	1'-8"	
h3(E)	8	#5	11'-8"	
h4(E)	8	#5	6'-8"	
h5(E)	64	#5	6'-4"	
h6(E)	2	#5	33'-3"	
p2(E)	12	#7	27'-2"	
s1(E)	50	#5	6'-5"	
s2(E)	64	#5	5'-5"	
s3(E)	34	#4	3'-6"	
u1(E)	6	#6	7'-7"	
v(E)	42	#5	3'-0"	
v1(E)	48	#7	9'-8"	
v2(E)	16	#5	16'-5"	
v3(E)	16	#5	3'-8"	
v4(E)	8	#5	3'-0"	
Concrete Removal			Cu. Yd.	16.1
Concrete Structures			Cu. Yd.	16.1
Reinforcement Bars, Epoxy Coated			Pound	3790
Concrete Sealer			Sq. Ft.	590
Access Door			Each	1
Temporary Shoring and Cribbing			Each	8



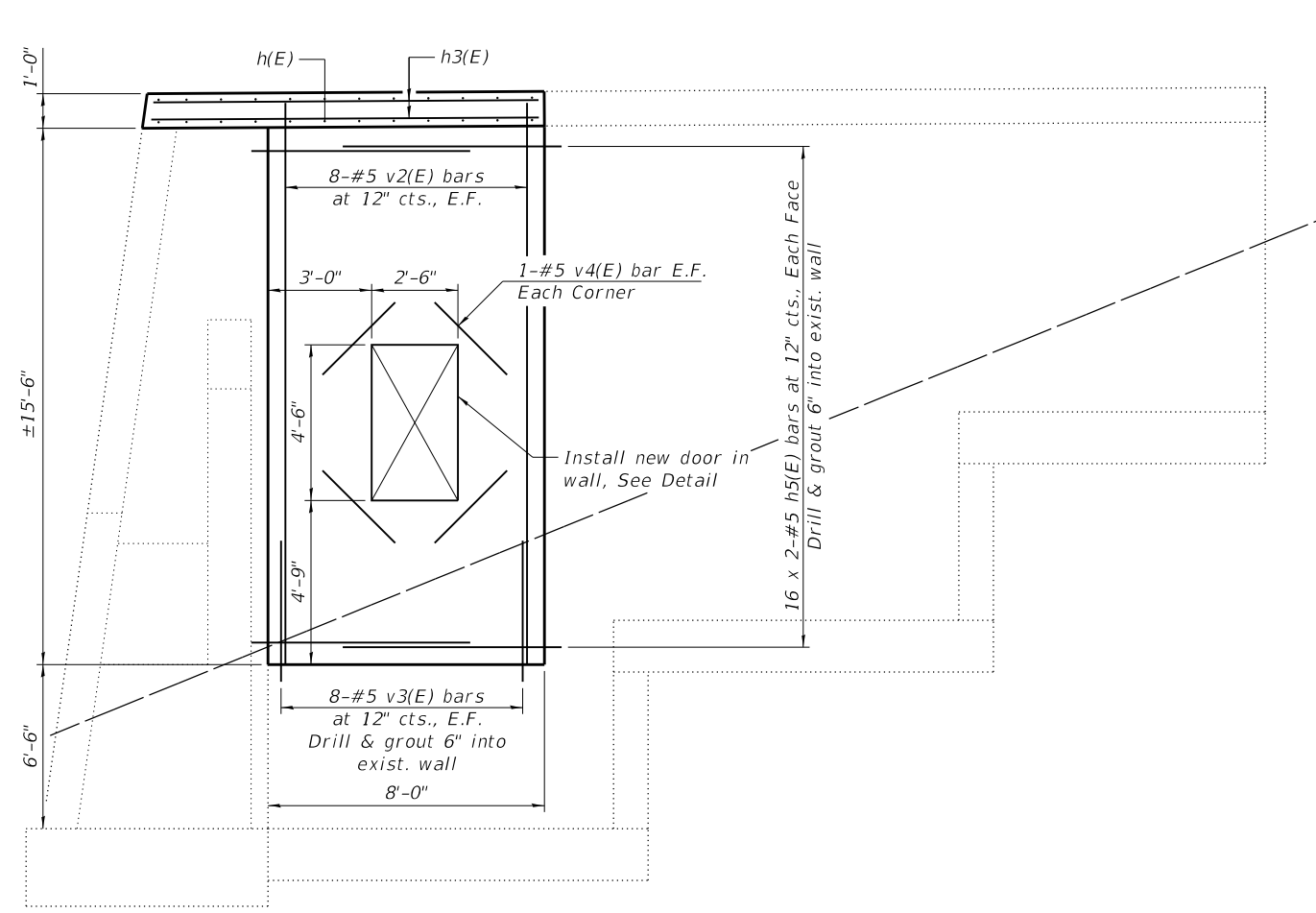
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

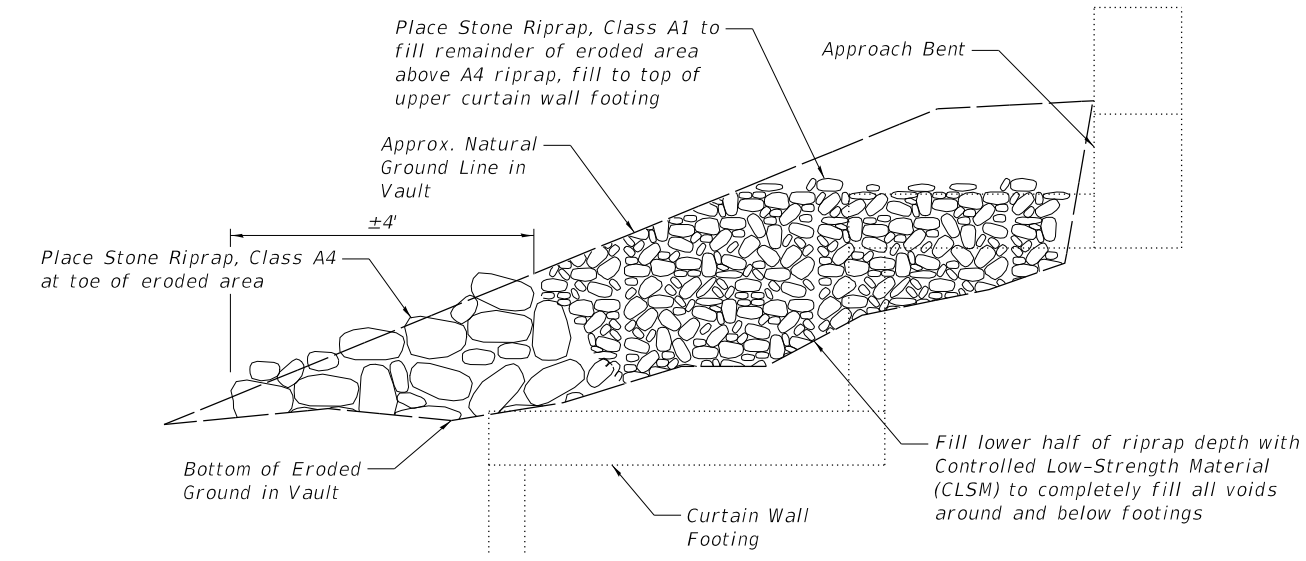
NORTH ABUTMENT REPAIR
 STRUCTURE NO. 057-0158

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	57
CONTRACT NO. 70D16				
ILLINOIS FED. AID PROJECT				

SHEET NO. 22 OF 24 SHEETS



VIEW C-C

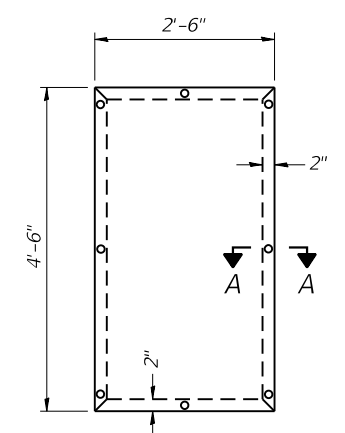


VAULT EROSION REPAIR DETAIL

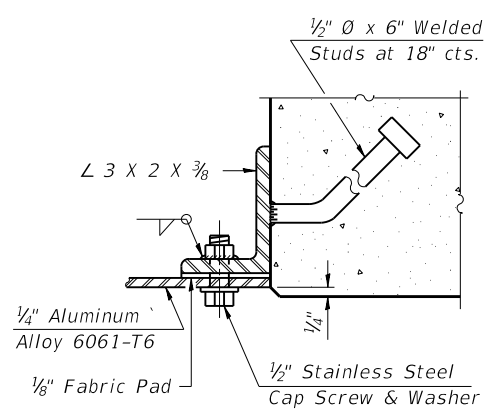
Erosion Repair Notes:
 The Contractor shall provide suitable forms, fabric, or other containment to prevent CLSM from flowing out bottom end of riprap fill.
 The limits of the erosion repair measures may be adjusted to suit encountered conditions in the field at the direction of the Engineer.

ESTIMATED EROSION REPAIR QUANTITY

Item	Unit	Total
Stone Dumped Riprap, Class A4	Ton	3
Stone Dumped Riprap, Class A1	Ton	4
Controlled Low-Strength Material	Cu. Yd.	1



DOOR ELEVATION
 Cost of door and frame are included with Access Door.



SECTION A-A

TEMPORARY SHORING AND CRIBBING LOADS (EACH BEAM)

Load Type	Magnitude
Dead Load	23.5 kips
Live Load	2.2 kips

Notes:
 The temporary shoring support location below the P.P.C. I-Beams shall be located within 4 feet of the back of existing abutment.
 Heavy equipment shall not be run on the approach span deck while the abutment supports are removed or until the new concrete achieves full strength.
 The shoring load above considers a 20 psf construction live load. If greater live loads are desired, the design load for the temporary shoring and cribbing shall be increased accordingly.
 See special provision for "Temporary Shoring and Cribbing".

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

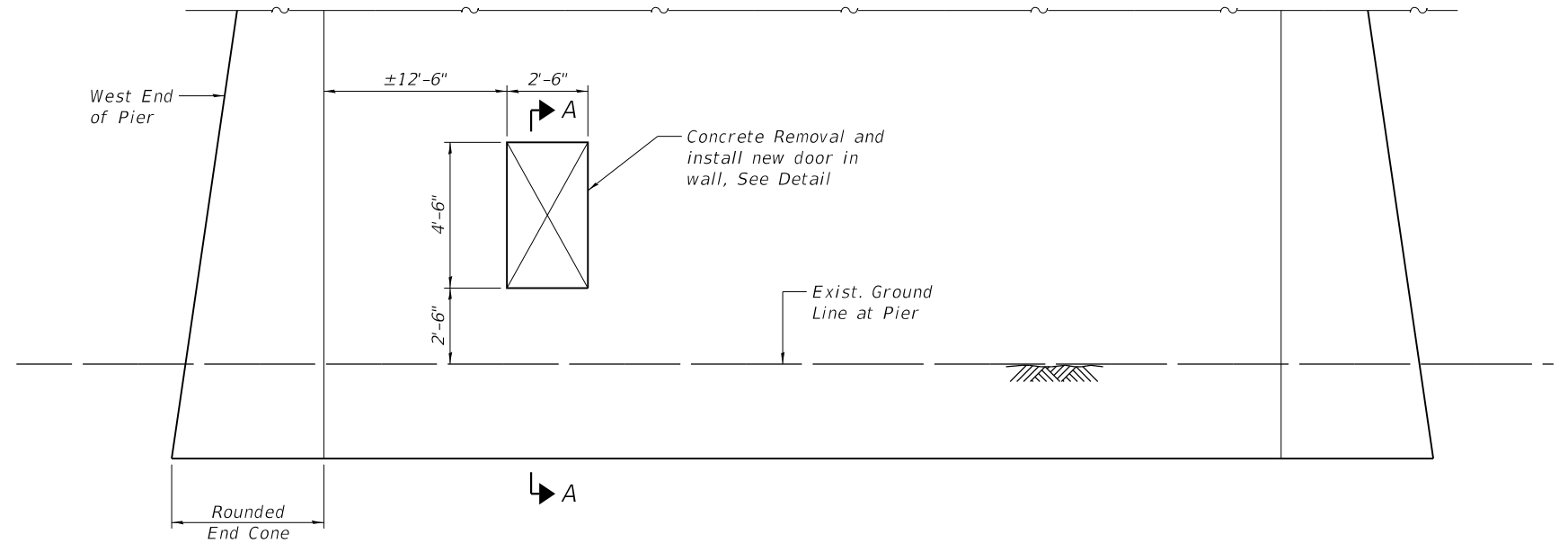
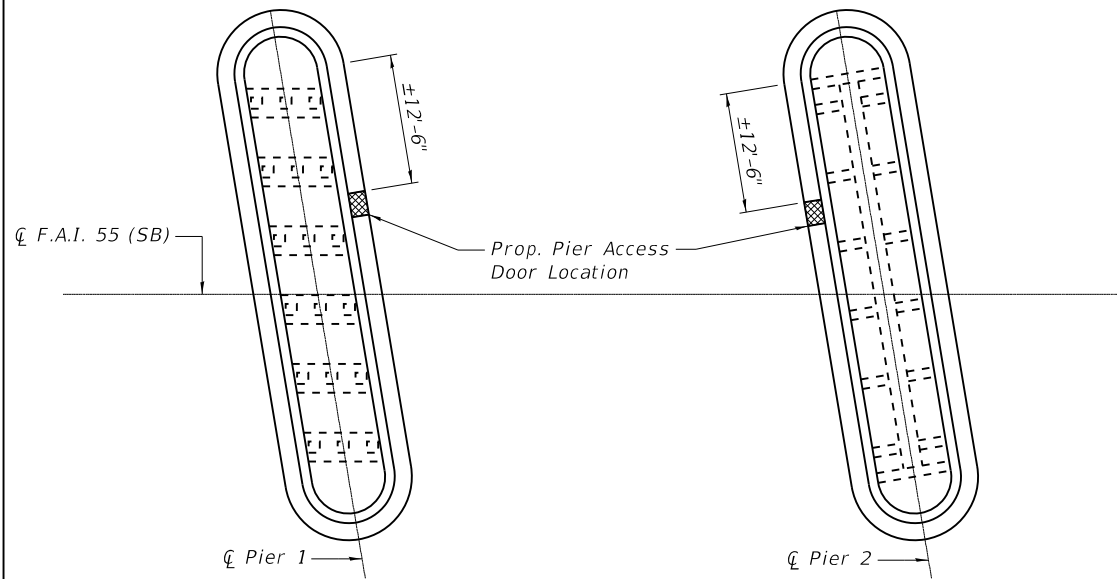
NORTH ABUTMENT REPAIR
 STRUCTURE NO. 057-0158

SHEET NO. 23 OF 24 SHEETS

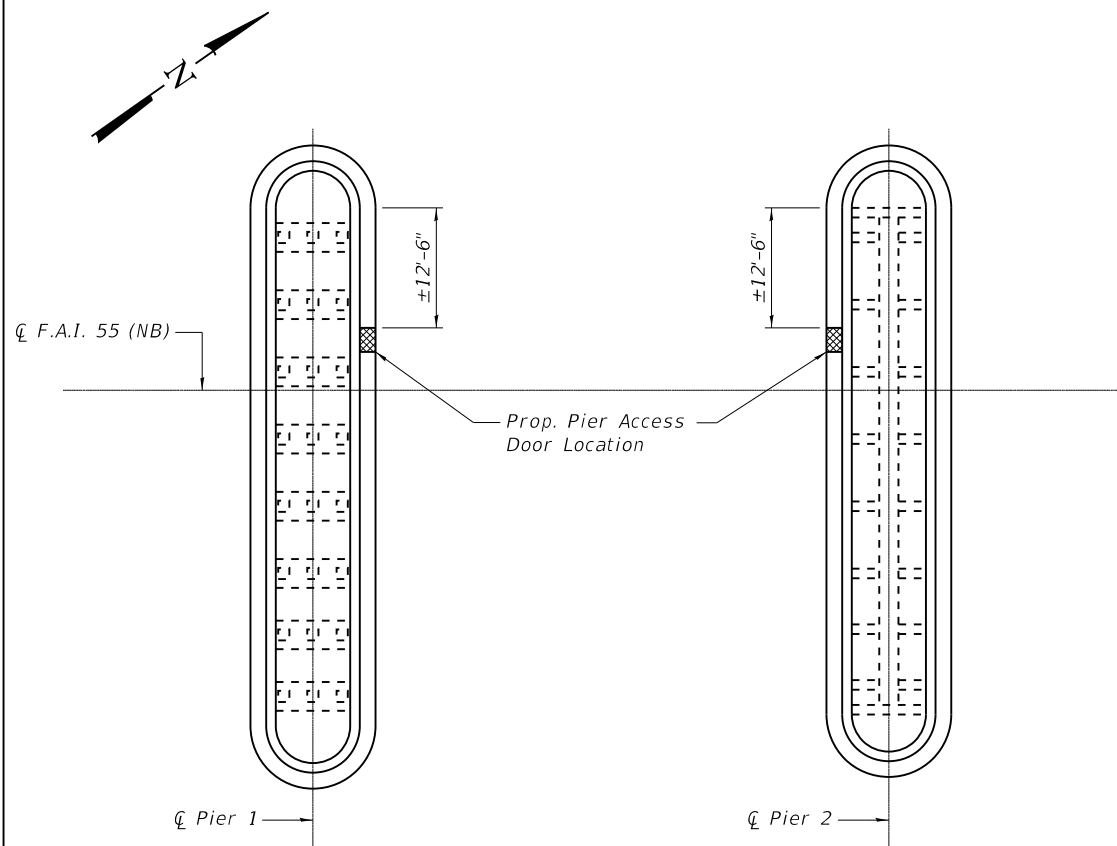
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	58
CONTRACT NO. 70D16				

ILLINOIS FED. AID PROJECT

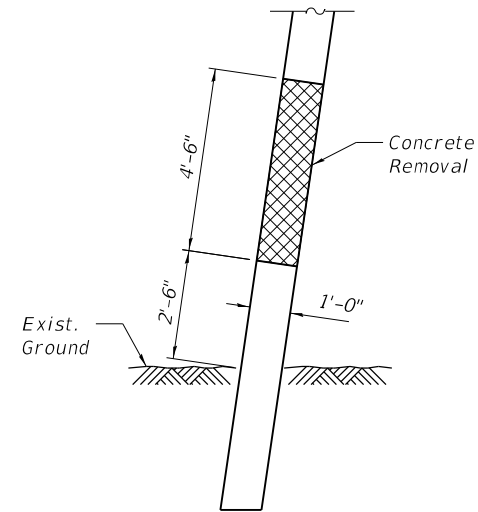
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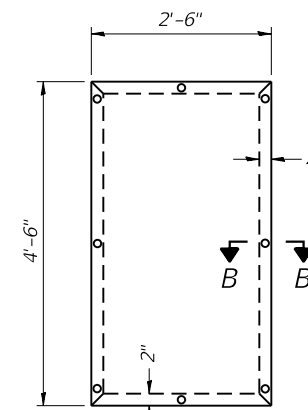
PIER ELEVATION



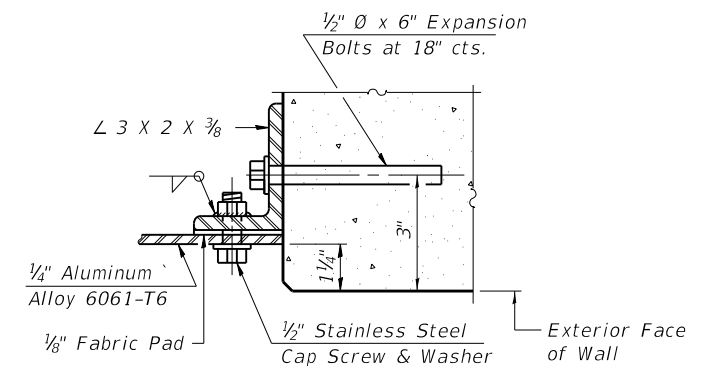
PLAN



SECTION A-A



DOOR ELEVATION



SECTION B-B

Notes:

The concrete opening shall be saw cut for a minimum depth of 6" for installation of the frame. All surfaces and corners of the opening shall be ground or cut to remove any sharp or rough edges, with protruding reinforcement cut flush with the surface.

Expansion bolts shall consist of self drilling expansion shields and 1/2" dia. bolts. Bolts shall extend a minimum of 6" into existing concrete.

Cost of door, frame, and expansion bolts are included with Access Door.

BILL OF MATERIAL

S.N. 057-0157

Item	Unit	Total
Concrete Removal	Cu. Yd.	0.8
Access Door	Each	2

BILL OF MATERIAL

S.N. 057-0158

Item	Unit	Total
Concrete Removal	Cu. Yd.	0.8
Access Door	Each	2



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PLOT DATE = 10/15/2020	DRAWN -	REVISED -
	CHECKED -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**VAULTED PIER ACCESS DOORS
 STRUCTURE NO. 057-0157 & 057-0158**

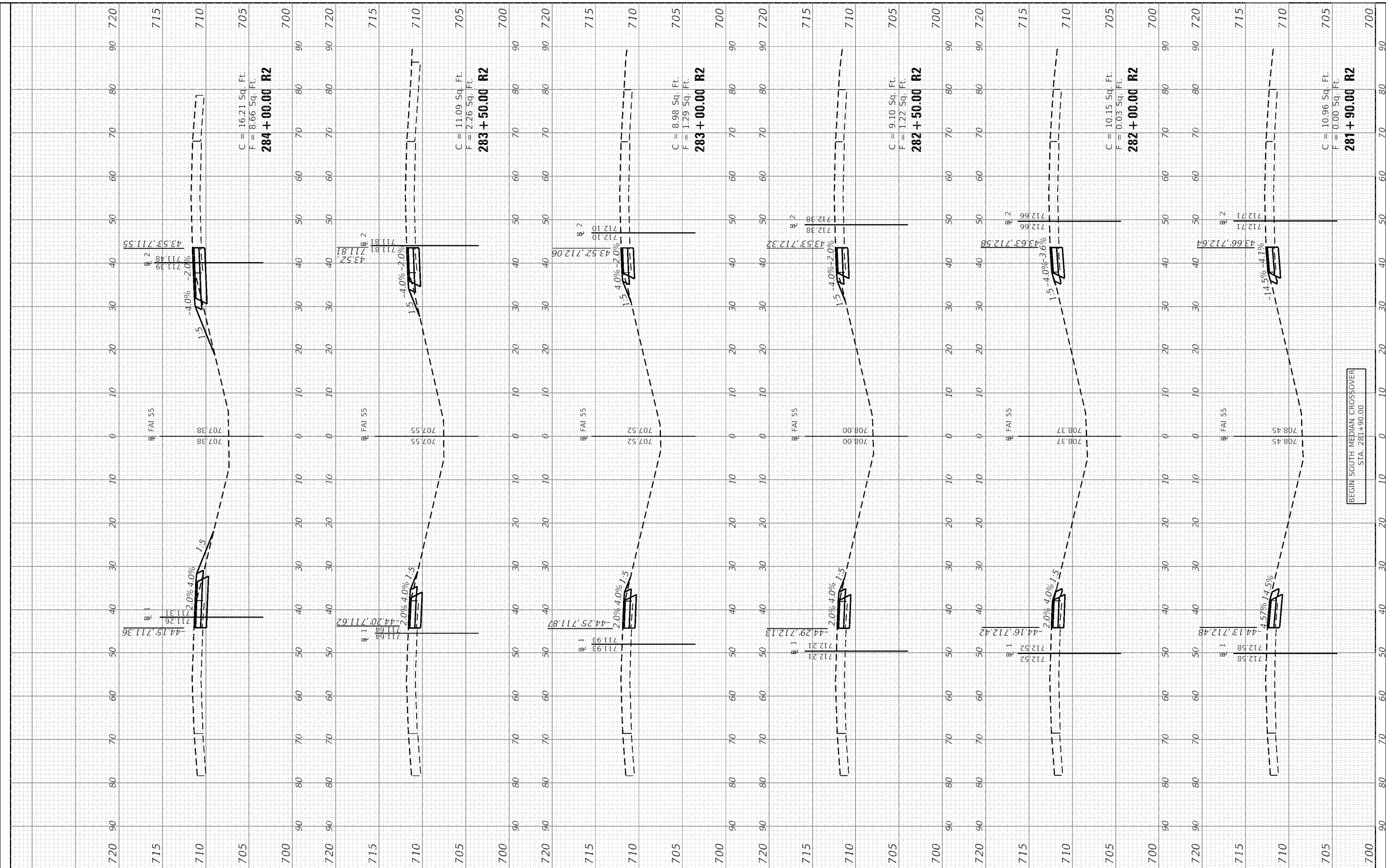
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F.A.I. RTE. 55	SECTION (57-9HB)BR	COUNTY MCLEAN	TOTAL SHEETS 67	SHEET NO. 59
CONTRACT NO. 70D16				
ILLINOIS FED. AID PROJECT				

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MAURER-STUTZ
 ENGINEERS SURVEYORS

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REVISIONS	-
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DATE	-

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FUNKS GROVE STRUCTURE REHABILITATION
MEDIAN CROSSOVER CROSS SECTIONS

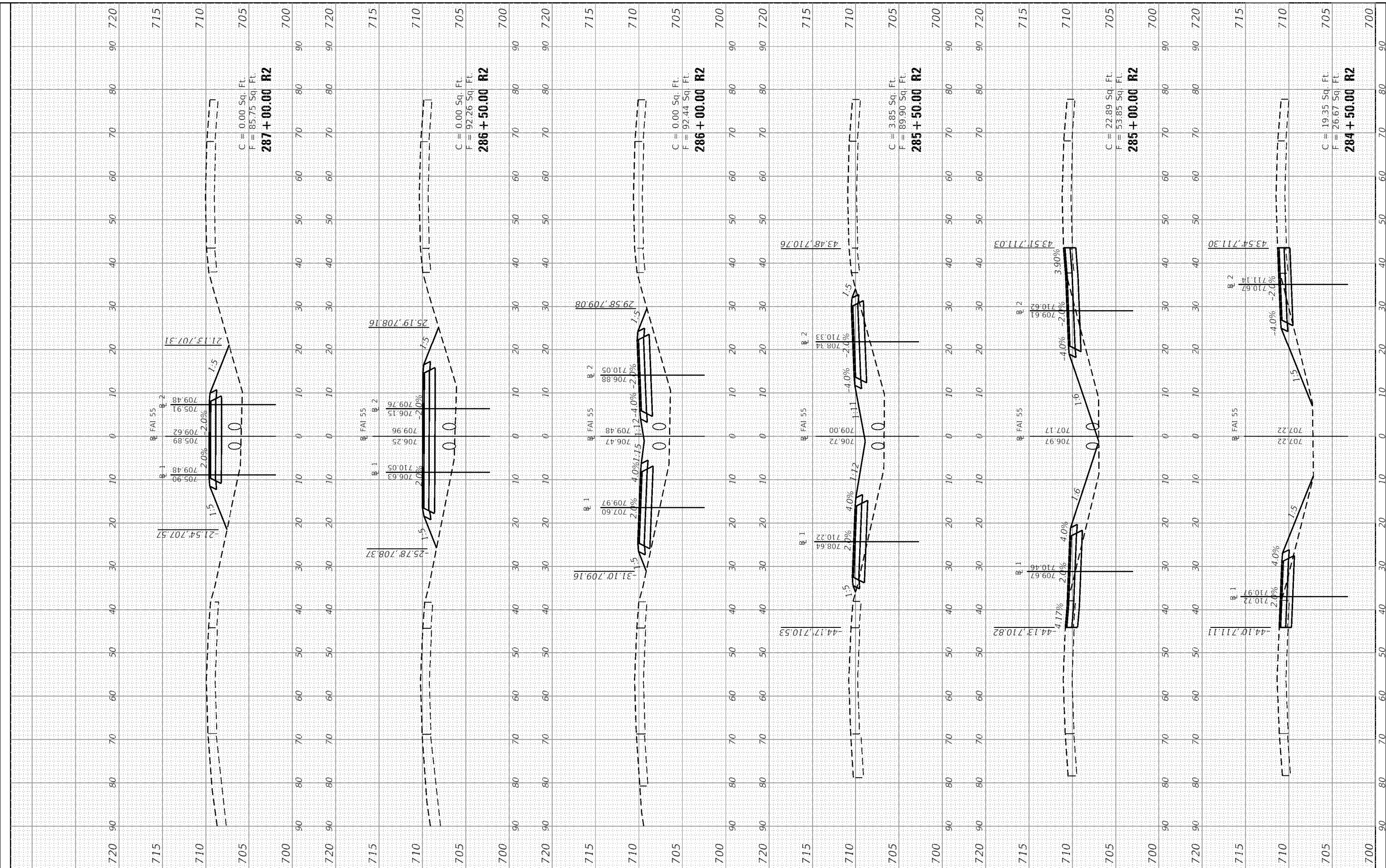
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SCALE:			CONTRACT NO. 70D16	
SHEET 1 OF 8 SHEETS			ILLINOIS FED. AID PROJECT	

BEGIN SOUTH MEDIAN CROSSOVER
 STA. 281+90.00

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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	PLOT DATE = 10/15/2020	DATE -	REVISED -							

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NOTE BOOK	PLOTTED		
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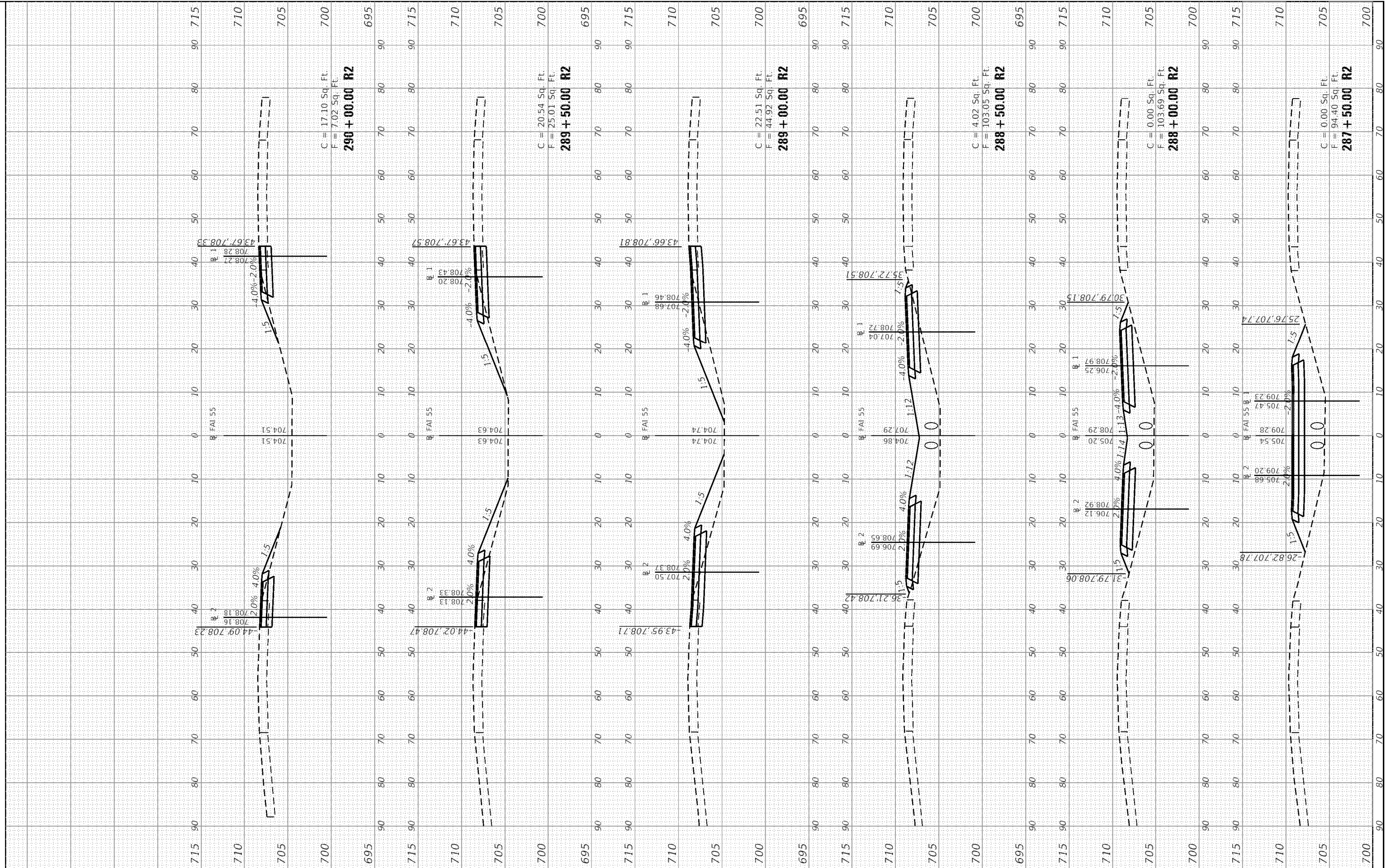
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FUNKS GROVE STRUCTURE REHABILITATION
MEDIAN CROSSOVER CROSS SECTIONS

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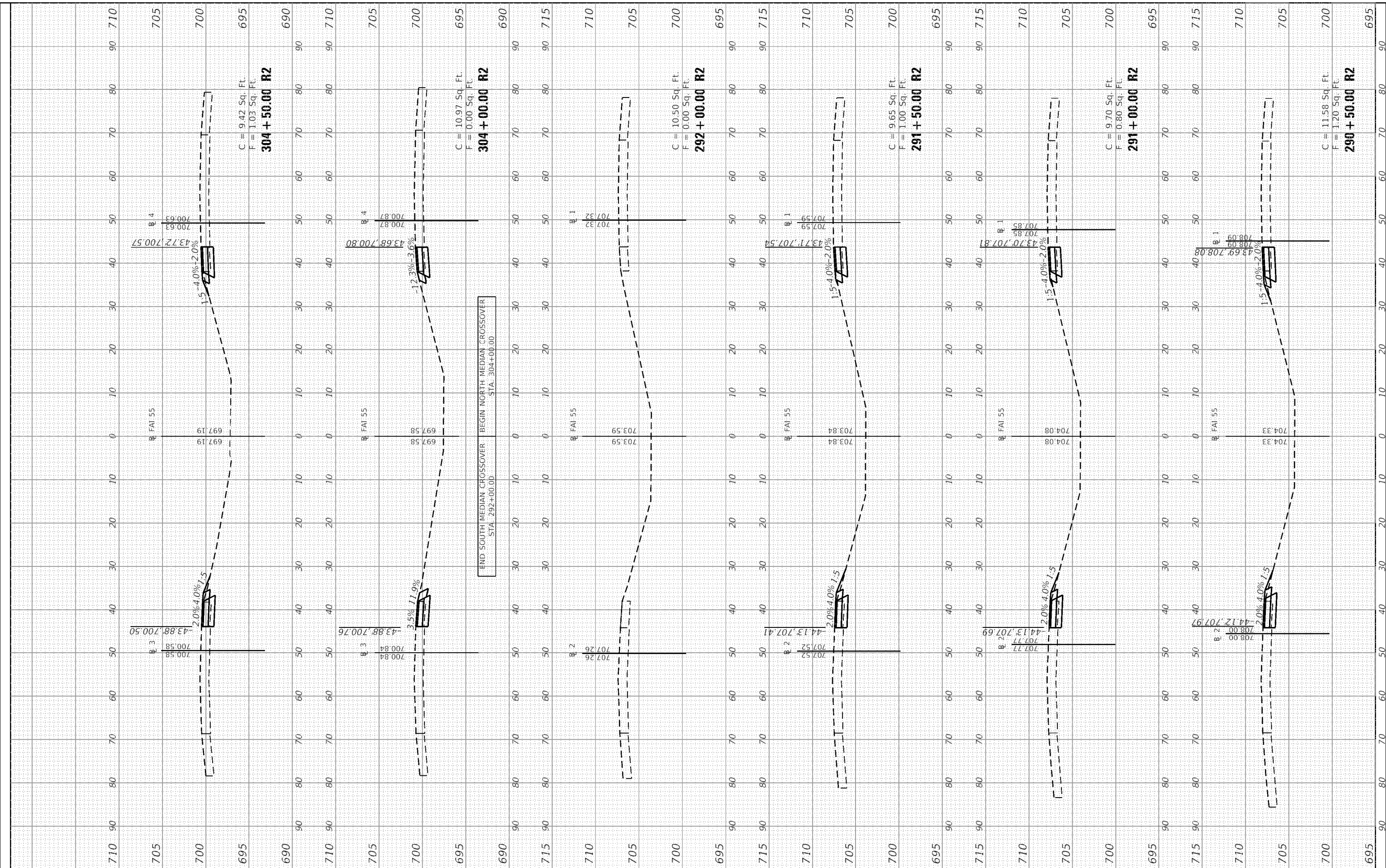
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55	(57-9HB)BR	MCLEAN	67	62
			CONTRACT NO. 70D16	
			ILLINOIS FED. AID PROJECT	



FINAL SURVEY	SURVEYED	BY	DATE
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MAURER-STUTZ
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USER NAME = willis
PLOT SCALE = 0.0333' / in
PLOT DATE = 10/15/2020

DESIGNED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FUNKS GROVE STRUCTURE REHABILITATION
 MEDIAN CROSSOVER CROSS SECTIONS**

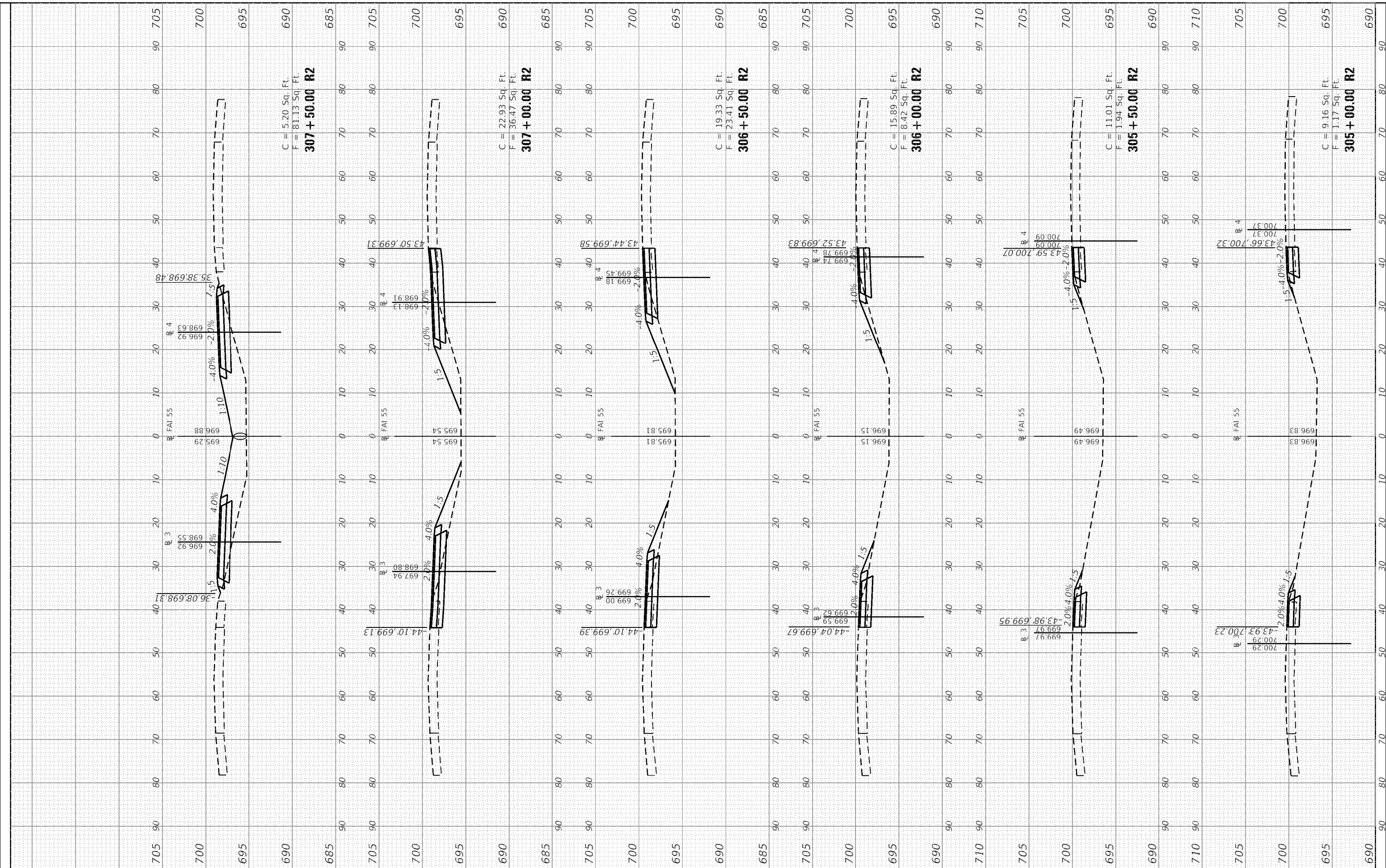
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 70D16	

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MAURER-STUTZ
 ENGINEERS SURVEYORS

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FUNKS GROVE STRUCTURE REHABILITATION
MEDIAN CROSSOVER CROSS SECTIONS

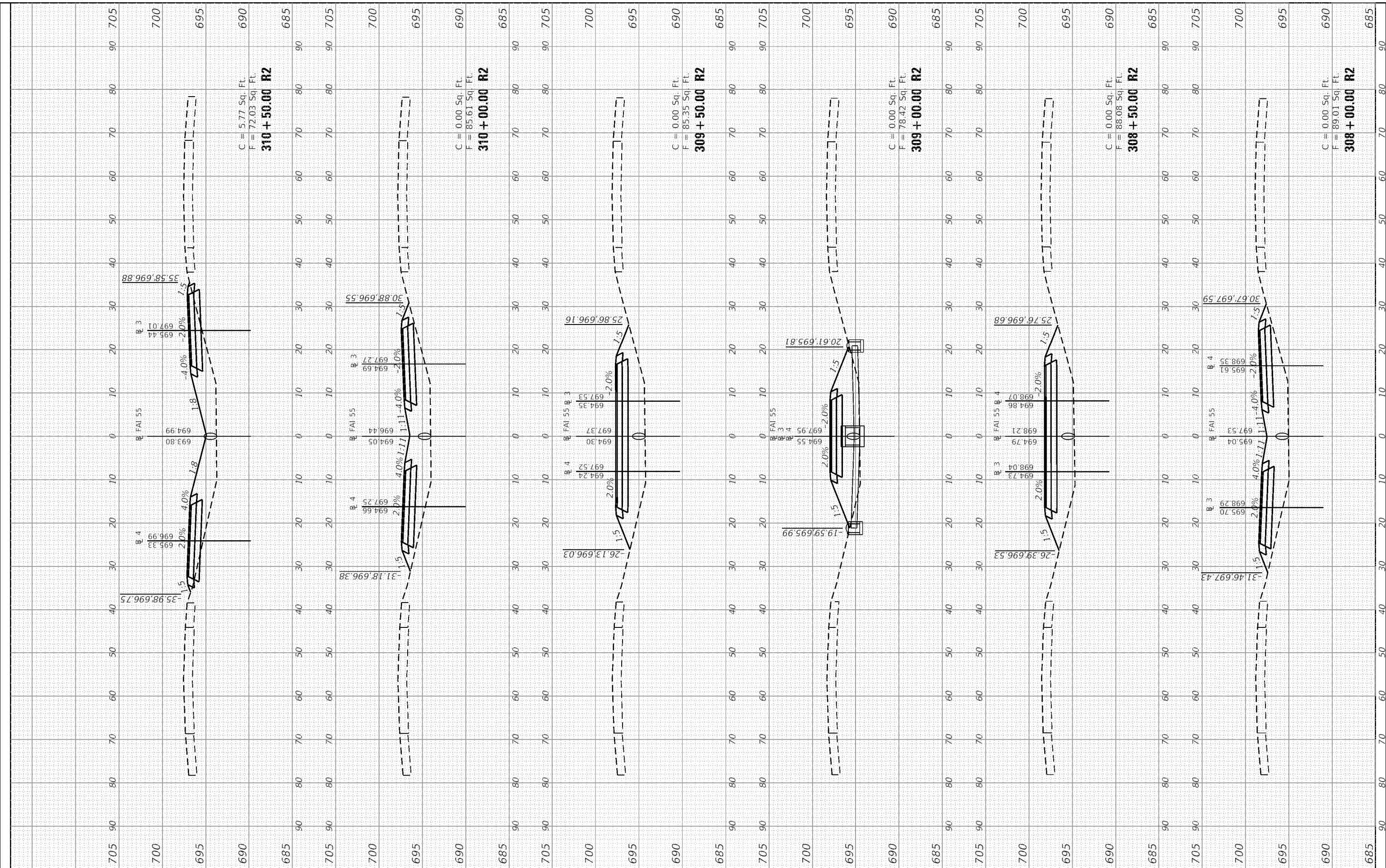
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F.A.I. RTE. 55	SECTION (57-9HB)BR	COUNTY MCLEAN	TOTAL SHEETS 67	SHEET NO. 64
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70D16	

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MAURER-STUTZ
 ENGINEERS SURVEYORS

USER NAME = willis
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**FUNKS GROVE STRUCTURE REHABILITATION
 MEDIAN CROSSOVER CROSS SECTIONS**

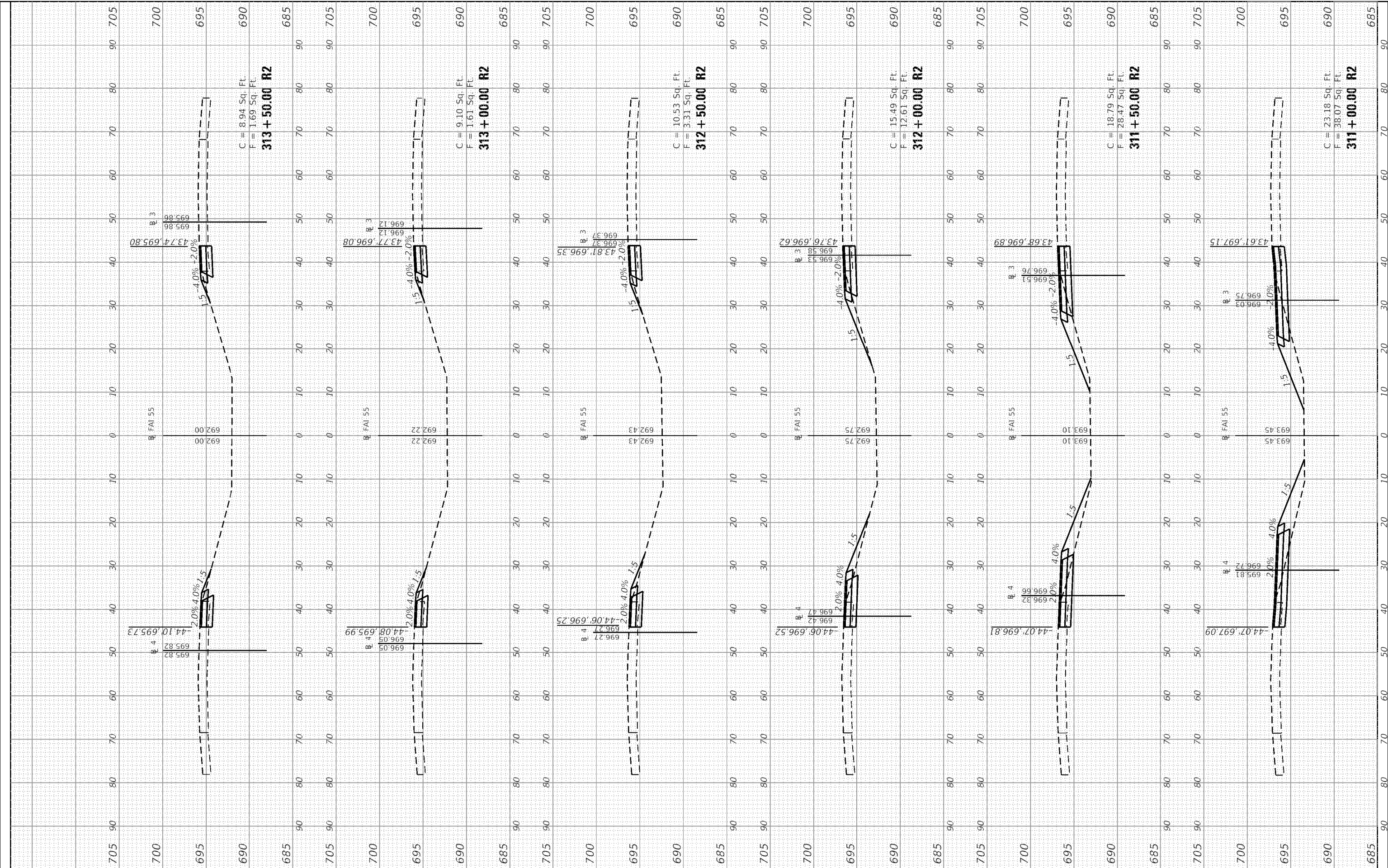
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F.A.I. RTE. 55	SECTION (57-9HB)BR	COUNTY MCLEAN	TOTAL SHEETS 67	SHEET NO. 65
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70D16	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

MODEL: Definit
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MAURER-STUTZ
 ENGINEERS SURVEYORS

USER NAME	= willis
DESIGNED	-
DRAWN	-
PLLOT SCALE	= 0.0333' / in
PLLOT DATE	= 10/15/2020

REVISD	-
REVISD	-
REVISD	-
REVISD	-

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FUNKS GROVE STRUCTURE REHABILITATION
MEDIAN CROSSOVER CROSS SECTIONS

SCALE: SHEET 7 OF 8 SHEETS STA. 311+00.00 R2 TO STA. 313+50.00 R2

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(57-9HB)BR	MCLEAN	67	66
CONTRACT NO. 70D16				
ILLINOIS FED. AID PROJECT				

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

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

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USER NAME = wilewis	DESIGNED -	REVISED -
PLOT SCALE = 0.0333' / in	DRAWN -	REVISED -
PLOT DATE = 10/15/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FUNKS GROVE STRUCTURE REHABILITATION
 MEDIAN CROSSOVER CROSS SECTIONS

F.A.I. RTE. 55	SECTION (57-9HB)BR	COUNTY MCLEAN	TOTAL SHEETS 67	SHEET NO. 67
SCALE: SHEET 8 OF 8 SHEETS STA.314+00.00 R2 TO STA. 314+00.00 R2			CONTRACT NO. 70D16	
ILLINOIS FED. AID PROJECT				