

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	134	1
		ILLINOIS	CONTRACT NO. 66A51	

P-93-030-10  
D-93-099-19

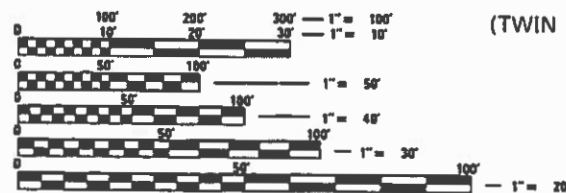
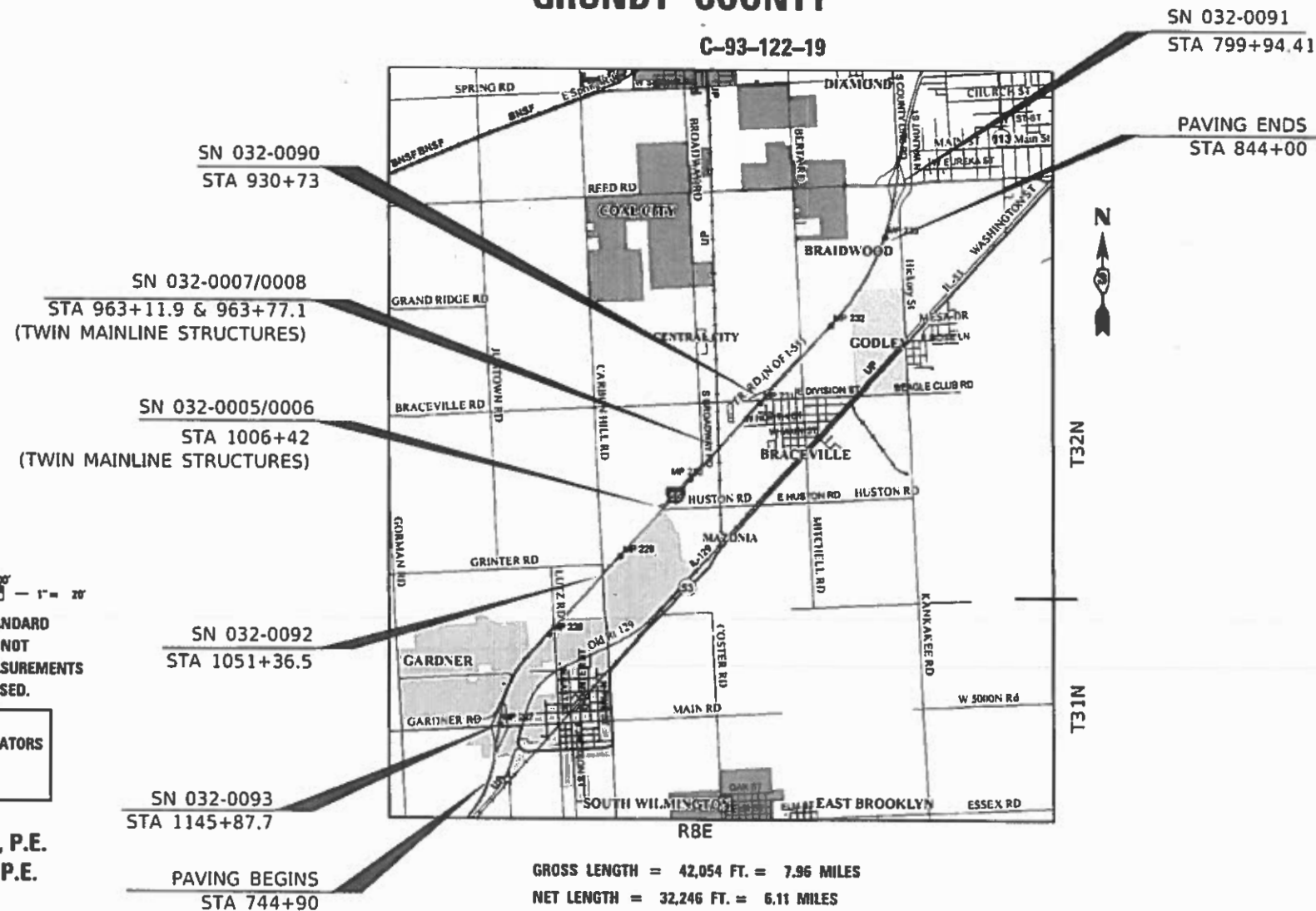
# PROPOSED HIGHWAY PLANS

FAI ROUTE 55 (I-55)  
SECTION (32-1)RS-4  
PROJECT STP-3JLC(061)  
3R RESURFACING & STRUCTURE REPAIRS  
GRUNDY COUNTY

FOR INDEX OF SHEETS, SEE SHEET NO. 2

**INDEX OF SHEETS**

- 1 COVER SHEET
- 2 GENERAL NOTES AND COMMITMENTS
- 3 LOCATION MAP
- 4 SUMMARY OF QUANTITIES
- 16 TYPICAL SECTIONS
- 21 SCHEDULES
- 30 ALIGNMENTS
- 36 PLAN SHEETS
- 55 STAGE 1 DETAILS
- 69 STAGE 2 DETAILS
- 83 STRUCTURE REPAIR PLANS
- 127 STAGING SIGNAGE
- 130 TEMPORARY LIGHTING DETAILS
- 135 DETAILS



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

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

PROJECT ENGINEER: BRAD DUNCAN, P.E.  
UNIT CHIEF: LUIS CALDERON, P.E.  
DISTRICT 3 NO. (815) 434-6131  
CONTRACT NO. 66A51

GROSS LENGTH = 42,054 FT. = 7.96 MILES  
NET LENGTH = 32,246 FT. = 6.11 MILES

INTERSTATE  
2017 ADT = 27500  
MU = 21.09% SU = 4.0% PV = 74.91%

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED 10/21/19

*Mark A. ...*  
REGIONAL ENGINEER

*Paul E. ...*  
ENGINEER OF DESIGN AND ENVIRONMENT

*Paul E. ...*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

**GENERAL NOTES**

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

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

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

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

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

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

ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS. TREES 3 INCHES OR GREATER IN DIAMETER AT BRESTA HEIGHT WILL NOT BE CLEARED FROM APRIL 1 THROUGH SEPTEMBER 30.

EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY UNLESS SPECIFIED IN THE SPECIAL PROVISIONS.

SHORT TERM PAVEMENT MARKING SHALL BE USED TO OUTLINE EXIT AND ENTRANCE RAMPS FOR THE PRIME COAT APPLICATION AND EACH RESURFACING LIFT.

ON EXISTING PAVEMENT WHICH MAY BE SUPERELEVATED, THE NEW HMA PAVEMENT SHALL BE BUILT WITH THE SAME SUPERELEVATION UNLESS NEW SUPERELEVATION RATES ARE GIVEN ON THE PLANS.

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

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

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

GRANULAR MATERIALS	2.05	TONS / CU YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT /100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.0003	TONS / SQ YD
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SQ YD

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

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

**GENERAL NOTES**

THE WORK REQUIRED TO CONNECT ANY SEWER TO AN EXISTING DRAINAGE STRUCTURE OR PIPE WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE BID FOR THE SEWER ITEMS.

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

**COMMITMENTS**

- ENVIRONMENTAL COMMITMENTS
- COORDINATION WITH DISTRICT OPERATIONS FOR USE OF INTERSTATE MESSAGE BOARD
- CULVERT REPAIRS AFTER VIDEO INSPECTION
- BRIDGE REPAIR AS-BUILTS CONTACTS
- DOCUMENTATION OF BRIDGE VERTICAL CLEARANCE AFTER CONSTRUCTION

**LIST OF ILLINOIS DOT HIGHWAY STANDARDS**

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420401-13	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
442201-03	CLASS C AND D PATCHES
542201-02	REINF CONC END SECTIONS FOR PIPE CULVERTS 15" (375 mm) THRU 36" (900 mm) DIAMETER SKEWED WITH ROADWAY
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
606301-04	PC CONCRETE ISLANDS AND MEDIANS
630001-12	STEEL PLATE BEAM GUARDRAIL
630201-07	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
631026-06	TRAFFIC BARRIER TERMINAL, TYPE 5
631031-15	TRAFFIC BARRIER TERMINAL, TYPE 6
635001-02	DELINEATORS
642001-02	SHOULDER RUMBLE STRIPS, 16 INCH
643001-02	SAND MODULE IMPACT ATTENUATORS
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' (4.5 m) AWAY
701006-05	OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS 2L, 2W, DAY ONLY
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701316-13	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR, FOR SPEEDS ≥ 45 MPH
701321-18	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701400-09	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
701426-09	LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
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
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782001-01	PRISMATIC CURB REFLECTORS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
830026-01	TEMPORARY ROADWAY LIGHTING

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE  
AS BUILT INFORMATION

\_\_\_\_\_  
SUPERVISING CONSTRUCTION FIELD ENGINEER

\_\_\_\_\_  
RESIDENT ENGINEER / TECHNICIAN

START & END DATES  
OF CONSTRUCTION:

INSPECTORS:

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE

PREPARED BY: *[Signature]*  
DISTRICT STUDIES & PLANS ENGINEER

DATE: 10-21-19

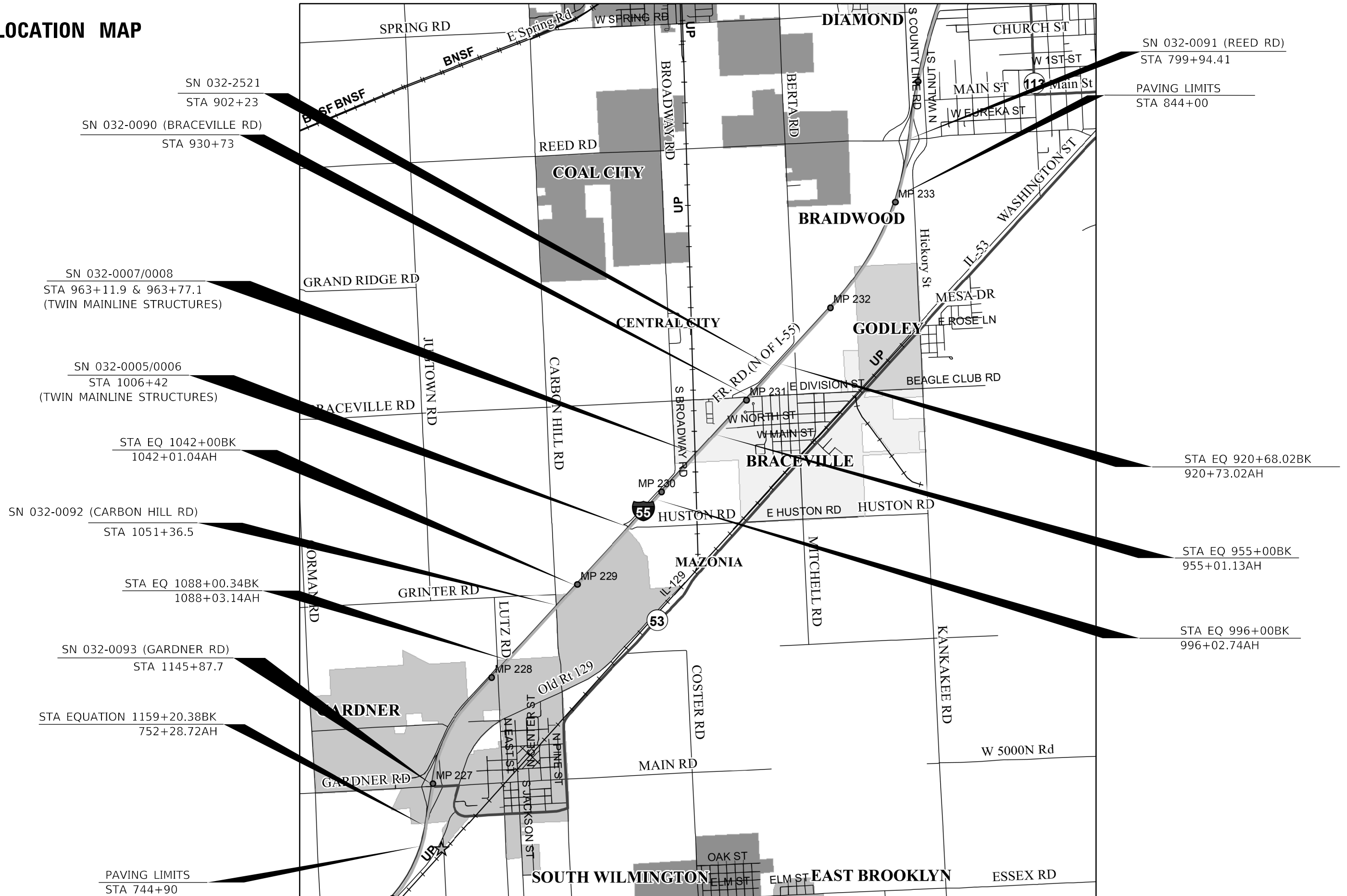
EXAMINED BY: *[Signature]*  
DISTRICT CONSTRUCTION ENGINEER

*[Signature]*  
DISTRICT MATERIALS ENGINEER

*[Signature]*  
DISTRICT OPERATIONS ENGINEER

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PLOT DATE = 10/19/2019	DATE =	REVISED =	SCALE:			SHEET	OF	SHEETS	STA.	TO STA.

# LOCATION MAP



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LOCATION MAP**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	3
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE									
				STP 90%/10% ROADWAY	STP 90%/10% ROADWAY	STP URBAN BRIDGE					NHPP RURAL BRIDGE		
				0006	0006	0047					0047		
				URBAN	RURAL	032-0091					032-0092		
20200100	EARTH EXCAVATION	CU YD	48	48									
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	1		1								
25000200	SEEDING, CLASS 2	ACRE	1.1	0.5	0.6								
25000210	SEEDING, CLASS 2A	ACRE	0.3	0.12	0.18								
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	126	56	70								
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	126	56	70								
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	126	56	70								
25100630	EROSION CONTROL BLANKET	SQ YD	6417	2826	3591								
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	57		57								
28000400	PERIMETER EROSION BARRIER	FOOT	700		700								
28100705	STONE DUMPED RIPRAP, CLASS A3	SQ YD	1204			1204							
28100707	STONE DUMPED RIPRAP, CLASS A4	SQ YD	100			32						68	
28200200	FILTER FABRIC	SQ YD	100			32						68	
28500100	FABRIC FORMED CONCRETE REVETMENT MAT	SQ YD	296			296							

\* SPECIALTY ITEM  
032-0092/032-0093 IN RURAL AREAS

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PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	4
CONTRACT NO. 66A51			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE																
				STP 90%/10% ROADWAY	STP 90%/10% ROADWAY	STP URBAN BRIDGE							STP RURAL BRIDGE							
				0006	0006	0047							0047							
				URBAN	RURAL	032-0091							032-0092							
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	45	45																
31200100	STABILIZED SUBBASE 4"	SQ YD	104	104																
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	776	388	388															
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	237654	109967	127687															
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	55.2	25	30.2															
40600990	TEMPORARY RAMP	SQ YD	104		104															
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	16896	7852	9044															
40603090	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	39831	20027	19804															
40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	23314	10599	12715															
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	13620	6283	7337															
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	88	44	44															
42000060	WELDED WIRE REINFORCEMENT	SQ YD	130	130																
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	130	130																
42001300	PROTECTIVE COAT	SQ YD	130	130																

\* SPECIALTY ITEM

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PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	5
			CONTRACT NO. 66A51	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE									
				STP 90%/10% ROADWAY	STP 90%/10% ROADWAY	STP URBAN BRIDGE					STP RURAL BRIDGE		
				0006	0006	0047					0047		
				URBAN	RURAL	032-0091					032-0092		
44000100	PAVEMENT REMOVAL	SQ YD	130	130									
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	42201	21033	21168								
44000166	HOT-MIX ASPHALT SURFACE REMOVAL, 4 1/4"	SQ YD	24795		24795								
44000169	HOT-MIX ASPHALT SURFACE REMOVAL, 5"	SQ YD	1474		1474								
44000173	HOT-MIX ASPHALT SURFACE REMOVAL, 6"	SQ YD	70336	35057	35279								
44000184	HOT-MIX ASPHALT SURFACE REMOVAL, 8 1/2"	SQ YD	167338	84138	83200								
48101200	AGGREGATE SHOULDERS, TYPE B	TON	2153	1049	1104								
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	3589	450	3139								
50102400	CONCRETE REMOVAL	CU YD	98.6			91.6						7	
50157300	PROTECTIVE SHIELD	SQ YD	948			948							
50200100	STRUCTURE EXCAVATION	CU YD	156			156							
* 50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	10			10							
50300225	CONCRETE STRUCTURES	CU YD	36			36							
50300255	CONCRETE SUPERSTRUCTURE	CU YD	104.4			97.3						7.1	

\* SPECIALTY ITEM

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	6
			CONTRACT NO. 66A51	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE										
				STP 90%/10% ROADWAY	STP 90%/10% ROADWAY	STP URBAN BRIDGE						STP RURAL BRIDGE		
				0006	0006	0047						0047		
				URBAN	RURAL	032-0091						032-0092		
50300260	BRIDGE DECK GROOVING	SQ YD	4529			4629								
50300300	PROTECTIVE COAT	SQ YD	44380			44,348							32	
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	112.6			112.6								
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	61910			60,800							1110	
50800515	BAR SPLICERS	EACH	40			32							8	
52000110	PREFORMED JOINT STRIP SEAL	FOOT	747			619							128	
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	3	2	1									
54215430	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 30"	EACH	1		1									
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	350			350								
59000200	EPOXY CRACK INJECTION	FOOT	26			26								
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	86			86								
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	47.8			46.8							1	
60600605	CONCRETE CURB, TYPE B	FOOT	3327	3327										
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1100	825	275									

\* SPECIALTY ITEM

MODEL: 4400.DEL.NAMES  
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	7
			CONTRACT NO. 66A51	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE									
				STP 90%/10% ROADWAY	STP 90%/10% ROADWAY	STP URBAN BRIDGE					STP RURAL BRIDGE		
				0006	0006	0047					0047		
				URBAN	RURAL	032-0091					032-0092		
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	4425	3712.5	712.5								
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	8	6	2								
* 63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	8	6	2								
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	8	6	2								
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	8	6	2								
63200310	GUARDRAIL REMOVAL	FOOT	6326	5101	1225								
63500105	DELINEATORS	EACH	272	87	185								
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	126657	63432	63225								
64401100	HIGH TENSION CABLE MEDIAN BARRIER	FOOT	30052	14944	15108								
64401300	HIGH TENSION CABLE MEDIAN BARRIER TERMINALS	EACH	16	10	6								
* 66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	2	2									
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	150	50	100								
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	3	1	2								
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	LSUM	1	0.5	0.5								

\* SPECIALTY ITEM

REV. 11/18/19

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USER NAME = calderon	DESIGNED -	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	8
			CONTRACT NO. 66A51	
ILLINOIS FED. AID PROJECT				



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE																
				STP 90%/10% ROADWAY	STP 90%/10% ROADWAY	STP URBAN BRIDGE							STP RURAL BRIDGE							
				0006	0006	0047							0047							
				URBAN	RURAL	032-0091							032-0092							
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	3	1	2															
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	LSUM	1	0.5	0.5															
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	18	9	9															
67100100	MOBILIZATION	L SUM	1	0.5	0.5															
70100100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316	EACH	2	1	1															
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1																
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	7	2	5															
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.5	0.5															
70100820	TRAFFIC CONTROL AND PROTECTION, STANDARD 701451	L SUM	1		1															
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1		1															
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	234	117	117															
* 70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	3	2	1															

\* SPECIALTY ITEM

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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
SCALE:	SHEET	OF	SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	9
			CONTRACT NO. 66A51	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE										
				STP 90%/10% ROADWAY	STP 90%/10% ROADWAY	STP URBAN BRIDGE						STP RURAL BRIDGE		
				0006	0006	0047						0047		
				URBAN	RURAL	032-0091						032-0092		
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	964	634	330									
70300100	SHORT TERM PAVEMENT MARKING	FOOT	109312	32508	76804									
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	8439	3612	4827									
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	292452	127601	164851									
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	28783	13872	14911									
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	9936	546	9390									
70400100	TEMPORARY CONCRETE BARRIER	FOOT	75454	34563	40891									
70500100	TEMPORARY STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	850	637.5	212.5									
70500665	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	3	1									
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	1		1									
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	12	9	3									
* 72501100	TERMINAL MARKER - POST MOUNTED	EACH	16	10	6									
* 78003100	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LETTERS AND SYMBOLS	SQ FT	112		112									
* 78003130	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 6"	FOOT	16126	8084	8042									

\* SPECIALTY ITEM

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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	10
			CONTRACT NO. 66A51	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE															
				STP 90%/10% ROADWAY	STP 90%/10% ROADWAY	STP URBAN BRIDGE					STP RURAL BRIDGE								
				0006	0006	0047					0047								
				URBAN	RURAL	032-0091					032-0092								
* 78003180	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - LINE 24"	FOOT	92		92														
* 78008310	POLYUREA PAVEMENT MARKING TYPE II - LINE 4"	FOOT	481375	216242	265133														
* 78008340	POLYUREA PAVEMENT MARKING TYPE II - LINE 8"	FOOT	7721	1092	6629														
* 78008350	POLYUREA PAVEMENT MARKING TYPE II - LINE 12"	FOOT	40	0	40														
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	170	85	85														
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	8591	3773	4818														
* 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	788	350	438														
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1781	808	973														
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	67	51	16														
* 78200020	CURB REFLECTORS	EACH	28	14	14														
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1616	808	808														
X0322288	MEDIAN CLOSURE	EACH	2	1	1														
X0322936	REMOVE EXISTING FLARED END SECTION	EACH	3	2	1														
X0325231	CABLE GUARD MARKER	EACH	753	374	379														

\* SPECIALTY ITEM

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PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	11
			CONTRACT NO. 66A51	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE									
				STP 90%/10% ROADWAY	STP 90%/10% ROADWAY	STP URBAN BRIDGE					STP RURAL BRIDGE		
				0006	0006	0047					0047		
				URBAN	RURAL	032-0091					032-0092		
X0325667	WEED CONTROL MOWING STRIP (SPECIAL)	SQ YD	10018	4982	5036								
X0326649	LINEAR DELINEATOR PANELS, 6 INCH	EACH	32	32									
X0326677	REMOVE HIGH TENSION CABLE MEDIAN BARRIER	FOOT	31104	15957	15147								
X0326687	REMOVE HIGH TENSION CABLE MEDIAN BARRIER TERMINAL	EACH	16	10	6								
X0326880	MESSAGE BOARD VEHICLE DRIVER	HOURL	240	120	120								
X0326907	PORTABLE, VEHICLE MOUNTED, CHANGEABLE MESSAGE SIGN	CAL MO	1	0.5	0.5								
X0327809	LINEAR DELINEATOR PANELS, 4 INCH	EACH	79	65	14								
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	181518	84169	97349								
X0328004	REAL-TIME TRAFFIC CONTROL SENSOR UNIT	WEEK	156	78	78								
X0549200	CLEANING PAVED DITCH	FOOT	1199	647	552								
X0556100	PARTIAL DEPTH PATCHING (SPECIAL)	SQ YD	3167	1237	1930								
X0931400	INLET BOXES TO BE ADJUSTED (SPECIAL)	EACH	8			8							
X1400372	TELEVISION INSPECTION OF PIPE CULVERT	FOOT	861	455	406								
X2140100	GRADING AND SHAPING DITCHES, SPECIAL	FOOT	5078	5078									

\* SPECIALTY ITEM

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PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	12
CONTRACT NO. 66A51			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE									
				STP 90%/10% ROADWAY	STP 90%/10% ROADWAY	STP URBAN BRIDGE					STP RURAL BRIDGE		
				0006	0006	0047					0047		
				URBAN	RURAL	032-0091					032-0092		
X2700001	TEMPORARY RUMBLE STRIPS (SPECIAL)	EACH	8	4	4								
X4060006	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 12.5, N80	TON	20668	9422	11246								
X4400110	TEMPORARY PAVEMENT REMOVAL	SQ YD	179		179								
X4403700	MEDIAN REMOVAL (SPECIAL)	SQ FT	1024	512	512								
X5030530	FLOOR DRAIN EXTENSION	EACH	52			52							
X5420618	PIPE CULVERTS TO BE CLEANED 18"	FOOT	682	335	347								
X5420624	PIPE CULVERTS TO BE CLEANED 24"	FOOT	59		59								
X5420630	PIPE CULVERTS TO BE CLEANED 30"	FOOT	120	120									
X6065701	CONCRETE MEDIAN, TYPE SM-4.06	SQ FT	1024	512	512								
X6350120	DELINEATOR REMOVAL	EACH	251	87	164								
X6431220	REMOVE AND REPLACE IMPACT ATTENUATOR SAND MODULE	EACH	112	56	56								
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	0.5	0.5								
X7010239	CHANGEABLE MESSAGE SIGN, SPECIAL	CAL WK	546	273	273								
X7010805	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401 (SPECIAL)	L SUM	1	0.5	0.5								

\* SPECIALTY ITEM

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USER NAME = calderoni	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISED -	55			(32-1)RS-4	GRUNDY	154	13	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 66A51				
PLOT DATE = 10/22/2019	DATE -	REVISED -			SCALE:	SHEET OF SHEETS STA. TO STA.			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE										
				STP 90%/10% ROADWAY	STP 90%/10% ROADWAY	STP URBAN BRIDGE						STP RURAL BRIDGE		
				0006	0006	0047						0047		
				URBAN	RURAL	032-0091						032-0092		
X7050167	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)	EACH	4	3	1									
X7260100	MILE POST MARKER ASSEMBLY (SPECIAL)	EACH	16	8	8									
* X7830060	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	122		122									
* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	146615	64664	81951									
* X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	16126	8084	8042									
* X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	3933		3933									
* X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	92		92									
X8410102	TEMPORARY LIGHTING SYSTEM	L SUM	1	0.5	0.5									
* X8570002	SMART TRAFFIC MONITORING SYSTEM	CAL WK	78	39	39									
* X8570004	SMART TRAFFIC MONITORING DEVICE	CAL WK	390	195	195									
Z0004552	APPROACH SLAB REMOVAL	SQ YD	222		222									
Z0005216	HOT-MIX ASPHALT STABILIZATION 6" AT STEEL PLATE BEAM GUARD RAIL	SQ YD	937	553	384									
Z0006012	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/4 INCHES	SQ YD	4509		4509									
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	4509		4509									

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PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	14
			CONTRACT NO. 66A51	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE									
				STP 90%/10% ROADWAY	STP 90%/10% ROADWAY	STP URBAN BRIDGE					STP RURAL BRIDGE		
				0006	0006	0047					0047		
				URBAN	RURAL	032-0091				v	032-0092		
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	90			88							2
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	38			38							
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.5	0.5								
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	20			20							
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	20			20							
Z0018051	DRAINAGE SCUPPERS TO BE ADJUSTED	EACH	8			8							
Z0034105	MATERIAL TRANSFER DEVICE	TON	108426	54183	54243								
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	257			257							
∅ Z0076600	TRAINEES	HOUR	2000	2000									
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1									
∅ Z0076604	TRAINEES - TRAINING PROGRAM GRADUATES	HOUR	2000	2000									
Z0062456	TEMPORARY PAVEMENT	SQ YD	179		179								

∅ 0042

REV. 12/03/19 REV. 11/18/19

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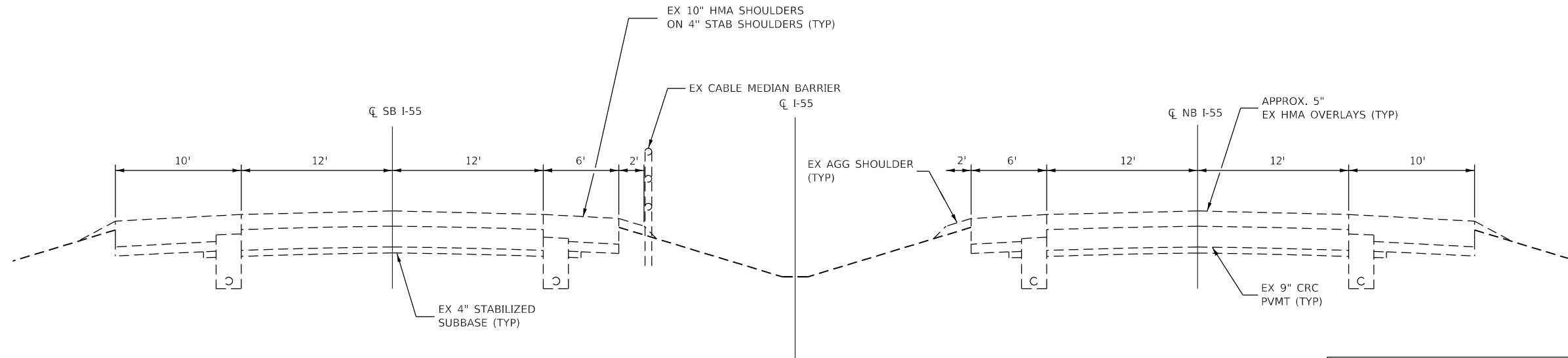
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

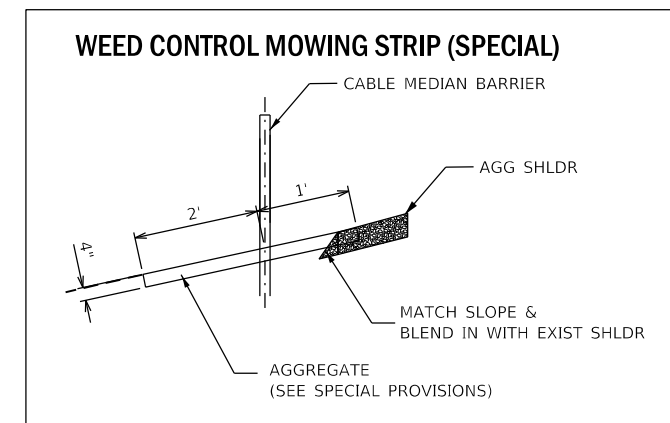
**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

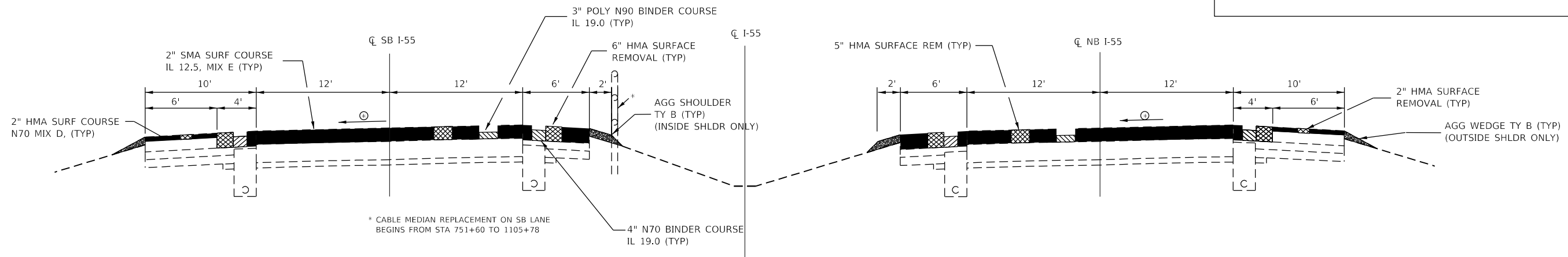
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55	(32-1)RS-4	GRUNDY	154	15
CONTRACT NO. 66A51			ILLINOIS FED. AID PROJECT	



**EXISTING TYPICAL SECTION**  
 LOOKING NORTH  
 (AREA SOUTH OF GARDNER INTERCHANGE)  
 NORTHBOUND STA 744+90 TO STA 746+84  
 SOUTHBOUND STA 744+90 TO STA 748+49



HMA MIXTURE REQUIREMENT TABLE					
MIXTURE USE(S):	HMA Binder Bottom Lift	HMA Binder Top Lift	SMA Surface	HMA Shoulder Bottom Lift (Inner 4' & Ramp)	HMA Shoulder Top Lift
BINDER GRADE (PG):	PG64-22	SBS PG70-28	SBS PG76-28	PG64-22	PG64-22
DESIGN AIR VOIDS:	4.0% @ N90	4.0% @ N90	4.0% @ N80	4.0% @ N70	4.0% @ N70
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 19.0	IL 19.0	IL 12.5	IL 19.0	IL 9.5
FRICTION AGGREGATE:	N/A	N/A	Mixture E	N/A	Mixture D
DENSITY TEST METHOD:	Cores	Cores	Cores	Cores/Correlation	Cores/Correlation
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	PFP	PFP	PFP	QCQA	QCQA
SUBLOT SIZE:	1000	1000	1000	N/A	N/A
LOCATION(S)	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT



**PROPOSED TYPICAL SECTION 1**  
 LOOKING NORTH  
 (AREA SOUTH OF GARDNER INTERCHANGE)  
 NORTHBOUND STA 744+90 TO STA 746+84  
 SOUTHBOUND STA 744+90 TO STA 748+49

⊙ MATCH EXISTING SUPERELEVATION @ STA 744+90  
 TRANSITION TO NORMAL CROWN FROM STA 747+13.21 TO 749+11.21

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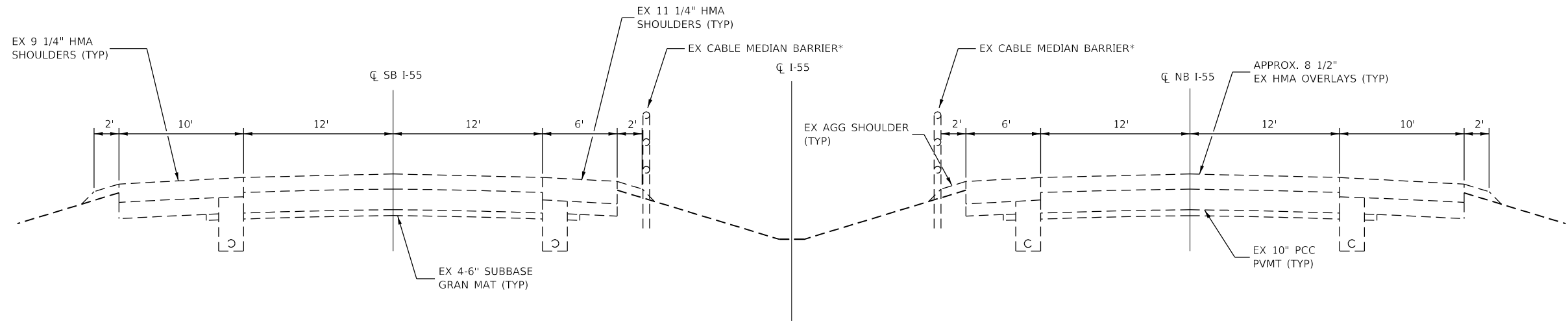
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

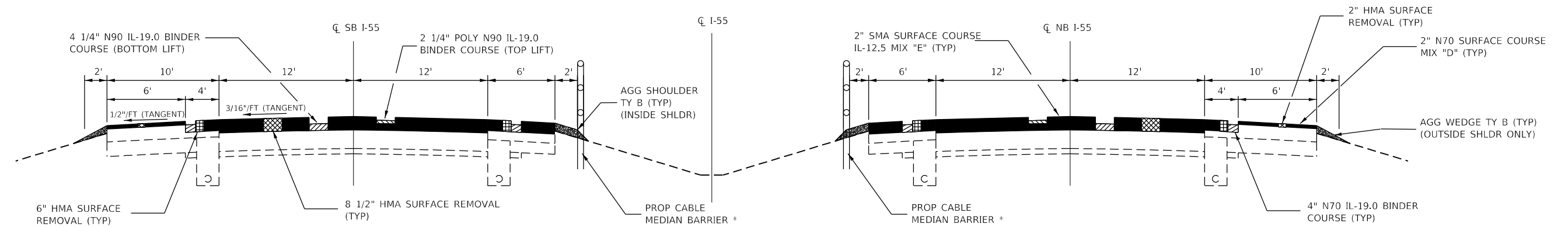
F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)I&R5-3	GRUNDY	154	16
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				





**EXISTING TYPICAL SECTION**

LOOKING NORTH  
 NORTHBOUND STA 746+84 TO STA 844+00  
 SOUTHBOUND STA 748+49 TO STA 844+00



**PROPOSED TYPICAL SECTION 2**

LOOKING NORTH  
 NORTHBOUND STA 746+84 TO STA 844+00  
 SOUTHBOUND STA 748+49 TO STA 844+00

\* CABLE MEDIAN LOCATIONS  
 SB - FROM 1105+78 TO 751+60 (TYP)  
 NB - FROM 1104+80 TO 840+70 (TYP)  
 (SEE PLANS AND SCHEDULE FOR ACTUAL LOCATIONS)

STA EQUATIONS: (NORTH TO SOUTH)

- STA 920+68.02 BK = 920+73.02 AH
- STA 955+00 BK = 955+01.13 AH
- STA 996+00 BK = 996+02.74 AH
- STA 1042+00 BK = 1042+01.04 AH
- STA 1088+00.34 BK = 1088+03.14 AH
- STA 1159+20.39 BK = 752+28.72 AH\*\*

\*\* STATIONING DECREASES TO THE NORTH FROM STA 1159+20.39 AND DECREASES TO THE SOUTH FROM STA 752+28.72

- PAVEMENT SUPERELEVATED TO THE LEFT AT 1.56% FROM STA 876+74.46 TO 801+77.12
- SUPERELEVATION TRANSITIONS:  
 STA 878+47.79 TO 876+74.46  
 STA 801+77.12 TO 800+03.79
- PAVEMENT SUPERELEVATED TO THE RIGHT AT 3.4% FROM STA 1139+14.80 TO 1107+10.09
- SUPERELEVATION TRANSITIONS:  
 STA 1141+11.10 TO 1139+14.80  
 STA 1107+10.09 TO 1105+13.79

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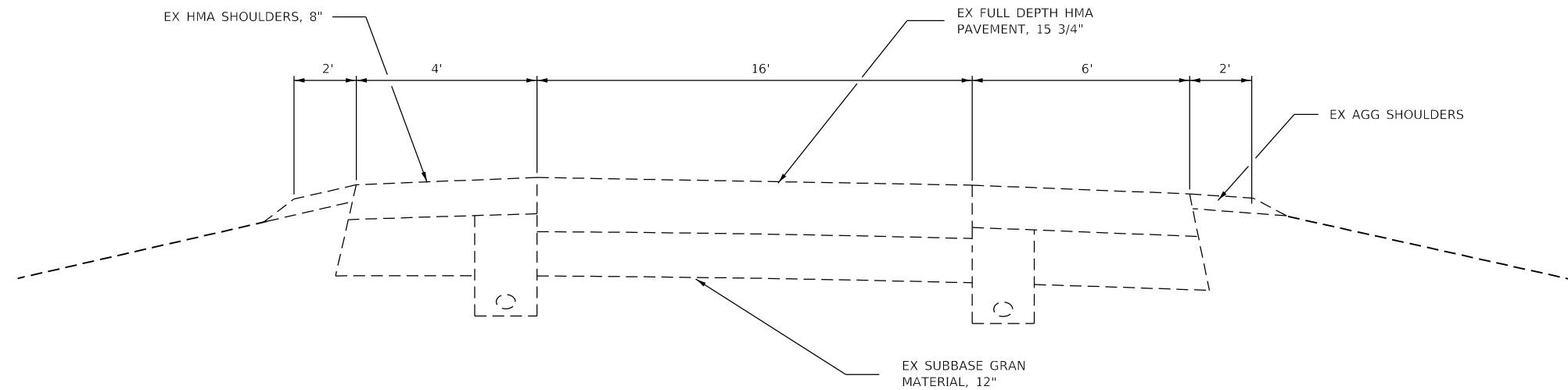
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PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

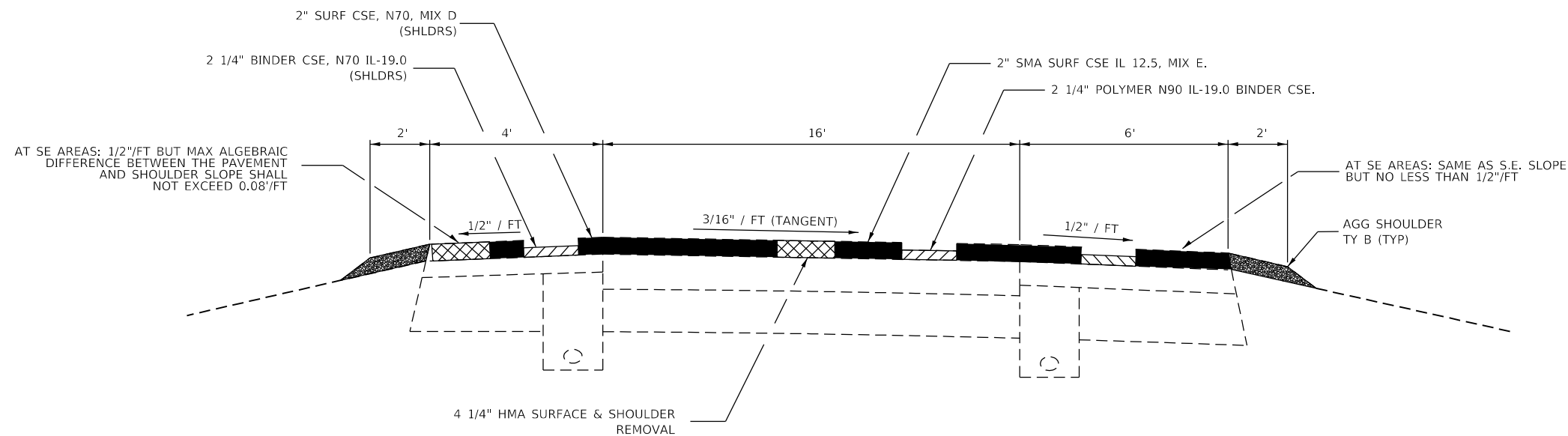
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F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)I&R5-3	GRUNDY	154	17
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				



**EXISTING RAMP TYPICAL SECTION (GARDNER INTERCHANGE)**

GARDNER RD INTERCHANGE RAMP



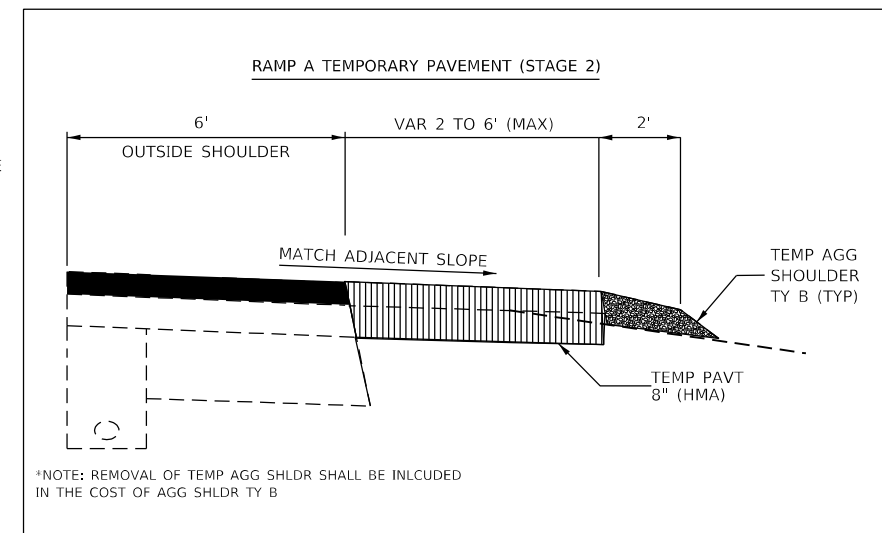
**PROPOSED TYPICAL SECTION 3 (GARDNER INTERCHANGE)**

TANGENT SECTIONS  
(SLOPES IN PROPOSED TYPICAL SECTION SHOWN FOR TANGENT SECTIONS)

- RAMP A 13+00.85 TO 22+00.91
- RAMP B 0+23.59 TO 4+74.66
- RAMP C 13+05.31 TO 21+66.50
- RAMP D 0+23.47 TO 5+68.70

SUPERELEVATED SECTIONS

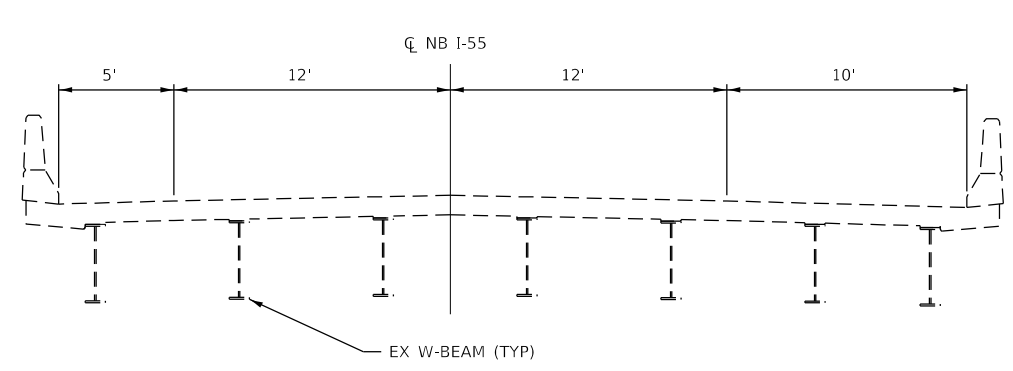
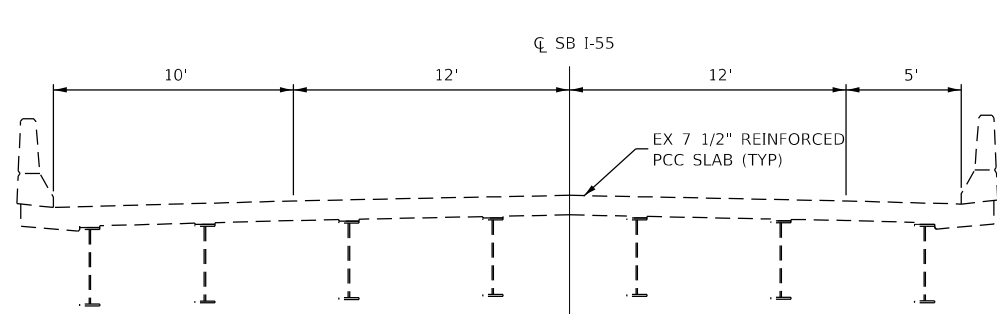
- RAMP A 8+00.29 TO 13+00.85 (SE 0.066'/FT)
- RAMP B 4+74.66 TO 9+95.46 (SE 0.080'/FT)
- RAMP C 8+01.65 TO 13+05.31 (SE 0.037'/FT)
- RAMP D 8+25.04 TO 13+31.67 (SE 0.080'/FT)



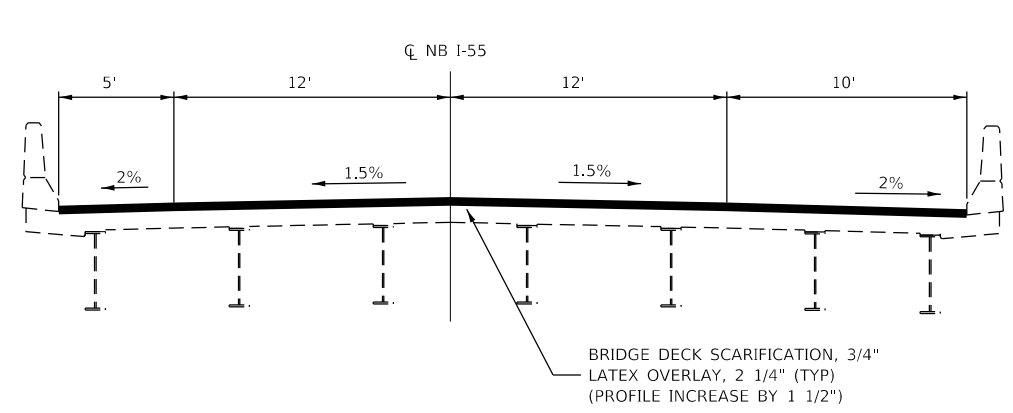
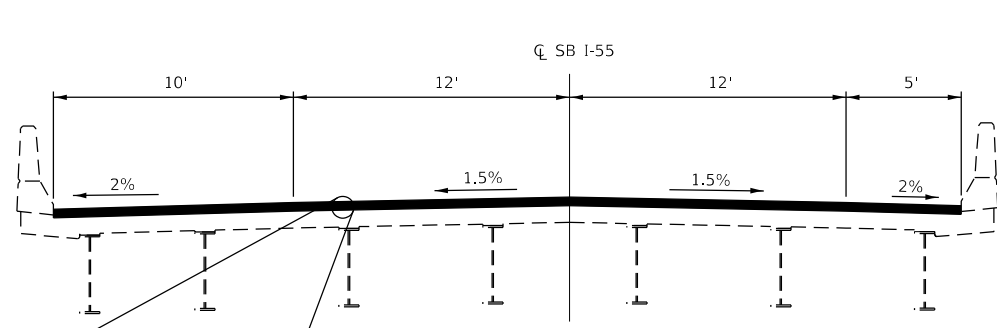
\*NOTE: REMOVAL OF TEMP AGG SHLDR SHALL BE INCLUDED IN THE COST OF AGG SHLDR TY B

NOTES:  
THE FULL EXTENT OF THE GARDNER ROAD INTERCHANGE RAMP WILL BE RESURFACED.

FILE NAME =	USER NAME = calderon1	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RAMP TYPICAL SECTIONS</b>			F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pwork\pwork\calderon1\0260431\0366A51-sh-typical.dgn	DRAWN -	REVISED -	55					(32-1)RS-4	GRUNDY	154	18	
PLOT SCALE = 100.0001' / in.	CHECKED -	REVISED -	CONTRACT NO. 66A51									
PLOT DATE = 10/22/2019	DATE -	REVISED -	SCALE:		SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

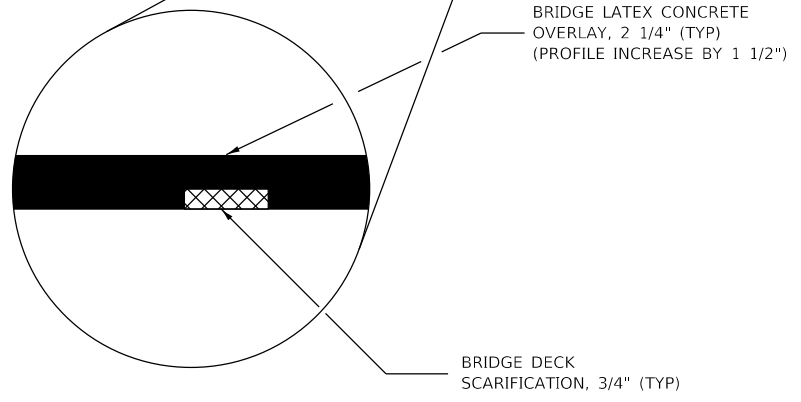


**EXISTING BRIDGE TYPICAL SECTION**



**PROPOSED BRIDGE TYPICAL SECTION**  
**(SN 032-0005/0006/0007/0008)**

NOTE: APPROACH PAVEMENT ON SN 032-0008 WILL BE RECONSTRUCTED

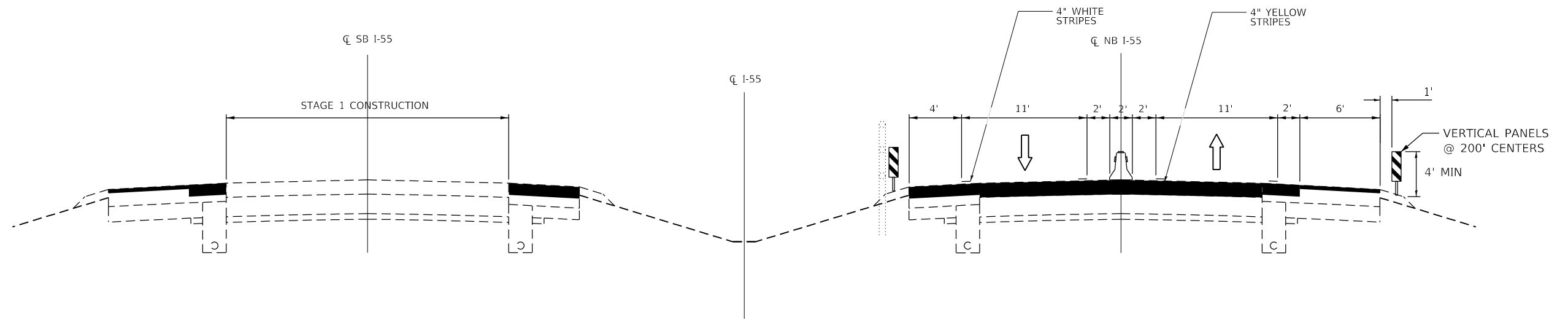


FILE NAME =	USER NAME = calderon1	DESIGNED -	REVISED -
et:\pwork\pwork\calderon1\0260431\032-0005-sh-typical.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0001' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>SN 032-0005/0006/0007/0008 TYPICAL SECTIONS</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	19
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				

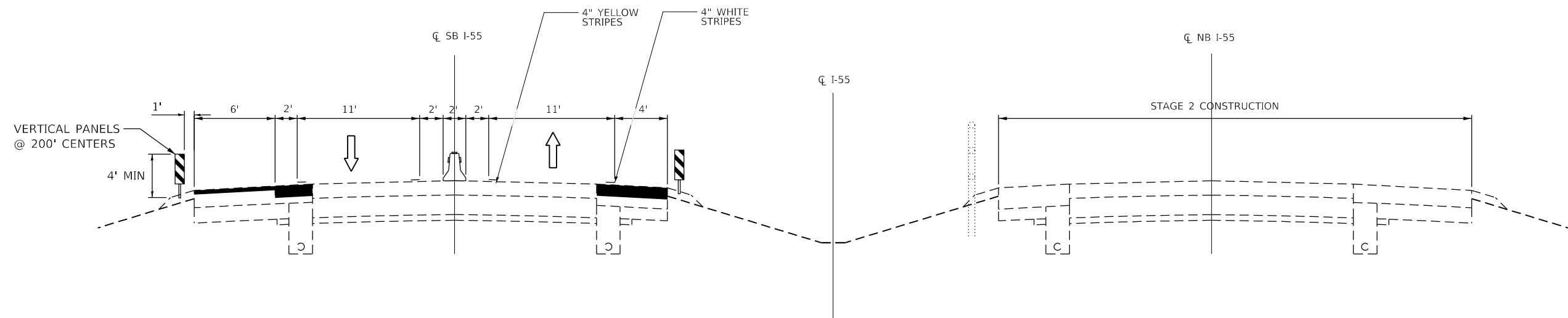


NOTE: NORTHBOUND INSIDE SHOULDERS TO BE MILLED AND RESURFACED 6" IN PRE STAGE WORK

NORTHBOUND OUTSIDE SHOULDER TO BE MILLED AND RESURFACED 6" ON THE INNER 4' AND 2" ON THE OUTER 6' IN PRE STAGE WORK

PAVEMENT PATCHING ON THE NB LANES WILL BE COMPLETED TO SUPPORT STAGE 1 TRAFFIC

**STAGE 1**  
LOOKING NORTH  
BETWEEN MEDIAN CROSSOVERS



**STAGE 2**  
LOOKING NORTH  
BETWEEN MEDIAN CROSSOVERS

STAGE 1 & 2 NOTES:  
HMA PAVING SHALL BE ACCOMPLISHED IN SUCH A MANNER THAT WILL ELIMINATE COLD JOINTS.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN ACCESS BETWEEN MAINLINE AND STRUCTURES DURING LATEX OVERLAY & ADDITIONAL STRUCTURAL REPAIRS

THE COST OF THE REFLECTORS IS INCLUDED IN THE COST OF TEMPORARY CONCRETE BARRIER

FILE NAME =	USER NAME = calderon1	DESIGNED -	REVISED -
et:\pw_work\p1dot\calderon1\0260431\0386A51-sh1-typical.dgn		DRAWN -	REVISED -
PLOT SCALE = 100.0001' / in.		CHECKED -	REVISED -
PLOT DATE = 10/22/2019		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION WITH CROSSOVERS  
TYPICAL SECTIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	20
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				

MAINLINE SCHEDULE (PRESTAGE - NB SHOULDERS)									
LOCATION		LENGTH FOOT	HMA SURF REM	HMA SURF REM	HMA SURF MIX D N70 2"	HMA BIND N70 4"	BIT MAT TACK COAT	AGG SHLD WEDGE OUTSIDE SHLDR	AGG SHLD TY B INSIDE SHLDR
FROM	TO		SQ YD	SQ YD	TON	TON	POUND	TON	TON
<b>URBAN</b>									
844+00	920+68	7,668	8,520	5,112	1,527	1,908	8,051	109	255
STA EQ 920+68 .02BK	920+73 .02AH								
920+73	955+00	3,427	3,808	2,285	682	853	3,599	49	114
STA EQ 955+00BK	955+01 .13AH								
955+01	962+23	722	802	481	144	180	758	10	24
STRUCTURE OMISSION (032-0007 NB) 962+23.30 TO 965+31.00									
965+31	996+00	3,069	3,410	2,046	611	764	3,222	44	102
STA EQ 996+00BK	996+02 .74AH								
996+03	1005+05	902	1,002	601	180	225	947	13	30
<b>URBAN TOTALS</b>		<b>15,788</b>	<b>17,542</b>	<b>10,525</b>	<b>3,144</b>	<b>3,930</b>	<b>16,577</b>	<b>225</b>	<b>525</b>
<b>RURAL</b>									
STRUCTURE OMISSION (032-0005 NB) 1005+05.17 TO 1007+78.83									
1007+79	1042+00	3,421	3,801	2,281	681	851	3,592	49	114
STA EQ 1042+00BK	1042+01 .04AH								
1042+01	1088+00	4,599	5,110	3,066	916	1,145	4,829	65	153
STA EQ 1088+00 .34BK	1088+03 .14AH								
1088+03	1159+20	7,117	7,908	4,745	1,417	1,771	7,473	101	237
STA EQ 1159+20 .38BK	752+28 .72AH								
752+29	744+90	739	821	492	147	184	776	11	25
<b>RURAL TOTALS</b>		<b>15,876</b>	<b>17,640</b>	<b>10,584</b>	<b>3,161</b>	<b>3,951</b>	<b>16,670</b>	<b>226</b>	<b>529</b>
<b>GRAND TOTALS</b>		<b>31,664</b>	<b>35,182</b>	<b>21,109</b>	<b>6,305</b>	<b>7,881</b>	<b>33,247</b>	<b>451</b>	<b>1,054</b>

URBAN / RURAL SPLIT AT STA 1005+05

MAINLINE SCHEDULE (STAGE 1 - SB)																	
LOCATION		LENGTH FOOT	MAINLINE							SB SHOULDERS (STAGE 1)							
			HMA SURF REM	HMA SURF REM	HMA BIND CSE N90 IL-19	POLY HMA BIND N90 IL-19	SMA SURF CSE IL 12.5 2"	MIX FOR JTS CRACKS & FLGWYS	BIT MAT'L TACK COAT	HMA SURF REM	HMA SURF REM	HMA SURF CSE MIX D 2"	HMA BIND N70 IL-19 4"	BIT MAT'L TACK COAT	AGG SHLDR WEDGE OUTSIDE SHLDR	AGG SHLDR TY B INSIDE SHLDR	
STA	TO	STA	FOOT	SQ YD	SQ YD	TON	TON	TON	TON	POUND	SQ YD	SQ YD	TON	TON	POUND	TON	TON
<b>URBAN</b>																	
844+00	TO 920+68	7,668	20,448			4,867	2,576	2,290	6.1	18,403	8,520	5,112	1,527	1,908	8,051	109	255
STA EQ 920+68 .02BK	TO 920+73 .02AH																
920+73	TO 930+73	1,000	2,667			635	336	299	0.8	2,400	1,111	667	199	249	1,050	14	33
930+73	TO 955+00	2,427	6,472			1,540	815	725	1.9	5,825	2,697	1,618	483	604	2,549	35	81
STA EQ 955+00BK	TO 955+01 .13AH																
955+01	TO 961+45	644	1,717			409	216	192	0.5	1,546	716	429	128	160	676	9	21
STRUCTURE OMISSION (032-0008 SB) 961+60.23 TO 964+63.57																	
964+78	TO 969+60	482	1,285			306	162	144	0.4	1,157	536	321	96	120	506	7	16
969+60	TO 996+00	2,640	7,040			1,676	887	788	2.1	6,336	2,933	1,760	526	657	2,772	38	88
STA EQ 996+00BK	TO 996+02 .74AH					0											
996+03	TO 1005+05	902	2,406			573	303	269	0.7	2,165	1,002	601	180	224	947	13	30
<b>URBAN TOTALS</b>		<b>15,763</b>	<b>42,035</b>			<b>10,006</b>	<b>5,295</b>	<b>4,707</b>	<b>12.5</b>	<b>37,832</b>	<b>17,515</b>	<b>10,508</b>	<b>3,139</b>	<b>3,922</b>	<b>16,551</b>	<b>225</b>	<b>524</b>
<b>RURAL</b>																	
STRUCTURE OMISSION (032-0006 SB) 1005+05.17 TO 1007+78.83																	
1007+79	TO 1042+00	3,421	9,123			2,171	1,149	1,022	2.7	8,211	3,801	2,281	681	851	3,592	49	114
STA EQ 1042+00BK	TO 1042+01 .04AH																
1042+01	TO 1088+00	4,599	12,265			2,919	1,545	1,374	3.7	11,038	5,110	3,066	916	1,145	4,829	65	153
STA EQ 1088+00 .34BK	TO 1088+03 .14AH																
1088+03	TO 1093+08	505	1,346			320	170	151	0.4	1,212	561	337	101	126	530	7	17
1093+08	TO 1119+48	2,640	7,040			1,676	887	788	2.1	6,336	2,933	1,760	526	657	2,772	38	88
1119+48	TO 1145+88	2,640	7,040			1,676	887	788	2.1	6,336	2,933	1,760	526	657	2,772	38	88
1145+88	TO 1159+20	1,332	3,553			846	448	398	1.1	3,197	1,480	888	265	332	1,399	19	44
STA EQ 1159+20 .38BK	TO 752+28 .72AH																
752+29	TO 748+49	380	1,013			241	128	113	0.3	911	422	253	76	95	399	5	13
748+49	TO 744+90	359				957	161	107	0.3	646	399	239	71	89	377	5	12
<b>RURAL TOTALS</b>		<b>15,876</b>	<b>41,380</b>	<b>957</b>		<b>9,849</b>	<b>5,375</b>	<b>4,741</b>	<b>12.7</b>	<b>37,887</b>	<b>17,639</b>	<b>10,584</b>	<b>3,162</b>	<b>3,952</b>	<b>16,670</b>	<b>226</b>	<b>529</b>
<b>GRAND TOTALS</b>		<b>31,639</b>	<b>83,415</b>	<b>957</b>		<b>19,855</b>	<b>10,670</b>	<b>9,448</b>	<b>25.2</b>	<b>75,719</b>	<b>35,154</b>	<b>21,092</b>	<b>6,301</b>	<b>7,874</b>	<b>33,221</b>	<b>451</b>	<b>1053</b>

URBAN / RURAL SPLIT AT STA 1005+05

RESURFACING SHALL NOT REDUCE THE EXISTING VERTICAL CLEARANCE ON ALL OVERHEAD STRUCTURES WITHIN PROJECT LIMITS

MODEL: \\MODELMAR\MS FILE: \\MAR\300\work\shd\sb\calderon\032604310366A51-SB-SCHEDULE.DGN

USER NAME = calderon	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULES</b>				F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISED -						55	(32-1)RS-4	GRUNDY	154	21
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 66A51				
PLOT DATE = 10/22/2019	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				

MAINLINE SCHEDULE (STAGE 2 - NB)

LOCATION				MAINLINE						
				HMA SURF REM 8 1/2"	HMA SURF REM 5"	HMA BIND CSE N90 IL-19	POLY HMA BIND CSE N90 IL-19	SMA SURF CSE IL 12.5 2"	MIX FOR JTS CRACKS & FLGWYS	BIT MAT'L TACK COAT
STA	TO	STA	FOOT	SQ YD	SQ YD	TON	TON	TON	TON	TON
<b>URBAN</b>				<b>URBAN</b>						
844+00	TO	920+68	7,668	20,448		4,867	2,576	2,290	6.1	18,403
STA EQ 920+68.02BK	TO	920+73.02AH								
920+73	TO	930+73	1,000	2,667		635	336	299	0.8	2,400
930+73	TO	955+00	2,427	6,472		1,540	815	725	1.9	5,825
STA EQ 955+00BK	TO	955+01.13AH								
955+01	TO	962+23	722	1,926		458	243	216	0.6	1,734
STRUCTURE OMISSION (032-0007 NB) 962+23.30 TO 965+31.00										
965+31	TO	969+60	429	1,144		272	144	128	0.3	1,030
969+60	TO	996+00	2,640	7,040		1,676	887	788	2.1	6,336
STA EQ 996+00BK	TO	996+02.74AH								
996+03	TO	1005+05	902	2,406		573	303	269	0.7	2,165
<b>URBAN TOTALS</b>				<b>42,103</b>		<b>10,021</b>	<b>5,304</b>	<b>4,715</b>	<b>12.5</b>	<b>37,893</b>
<b>RURAL</b>				<b>RURAL</b>						
STRUCTURE OMISSION (032-0005 NB) 1005+05.17 TO 1007+78.83										
1007+79	TO	1015+60	781	2,083		496	262	233	0.6	1,875
1015+60	TO	1042+00	2,640	7,040		1,676	887	788	2.1	6,336
STA EQ 1042+00BK	TO	1042+01.04AH								
1042+01	TO	1088+00	4,599	12,265		2,919	1,545	1,374	3.7	11,038
STA EQ 1088+00.34BK	TO	1088+03.14AH								
1088+03	TO	1093+08	505	1,346		320	170	151	0.4	1,212
1093+08	TO	1119+48	2,640	7,040		1,676	887	788	2.1	6,336
1119+48	TO	1145+88	2,640	7,040		1,676	887	788	2.1	6,336
1145+88	TO	1159+20	1,332	3,553		846	448	398	1.1	3,198
STA EQ 1159+20.38BK	TO	752+28.72AH								
752+29	TO	746+84	545	1,453		346	183	163	0.4	1,307
746+84	TO	744+90	194		517		87	58	0.2	349
<b>RURAL TOTALS</b>				<b>41,820</b>	<b>517</b>	<b>9,955</b>	<b>5,356</b>	<b>4,741</b>	<b>12.7</b>	<b>37,987</b>
<b>GRAND TOTALS</b>				<b>83,923</b>	<b>517</b>	<b>19,976</b>	<b>10,660</b>	<b>9,456</b>	<b>25.2</b>	<b>75,880</b>

URBAN / RURAL SPLIT AT STA 1005+05

GARDNER INTERCHANGE RAMP PAVING SCHEDULE

LOCATION	LENGTH	RAMP WIDTH	HMA SURF REM 4.25"	BIT MAT TACK COAT	MIX CR, JT, & FLGWY	HMA BIND CSE (2.25") IL-19.0 N70	HMA SURF CSE MIX D (2") N70	HMA BIND CSE (2.25") IL-19.0 POLY N90 RAMP	SMA SURF CSE MIX E (2") IL 12.5 N80 RAMP	TEMP RAMP	AGG WEDGE SHLD TYPE B		
			SHLDR & RAMP			SHLDR	SHLDR					SHLDR	
STA	TO	STA	FOOT	FOOT	SQ YD	POUND	TON	TON	TON	TON	SQ YD	TON	
RAMP A	0+00	TO 22+00	2,200	16	6,353	4,288	1.2	291	259	509	453	26	717
RAMP B	0+00	TO 21+00	2,100	16	5,602	3,782	1.1	255	226	451	401	26	567
RAMP C	0+00	TO 21+67	2,167	16	6,187	4,176	1.2	288	256	492	437	26	701
RAMP D	0+00	TO 25+00	2,500	16	6,653	4,490	1.3	307	273	532	473	26	702
<b>RURAL TOTALS</b>					<b>24,795</b>	<b>16,736</b>	<b>4.8</b>	<b>1,141</b>	<b>1,014</b>	<b>1,984</b>	<b>1,764</b>	<b>104</b>	<b>2,687</b>

ADDITIONAL ROADWAY ITEMS

LOCATION	LENGTH	PCC PAVT CONNECTOR FOR BRIGE APPROACH	WELDED WIRE REINF	PROTECT COAT	PAVT REMOVAL	STABILIZED SUBBASE 4"	AGG SUBGRADE IMPROV	EARTH EXC *	
		SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	CU YD	CU YD	
STA	TO	STA	FOOT	SQ YD	SQ YD	SQ YD	SQ YD	CU YD	
<b>URBAN</b>									
961+45	TO	961+60	15	65	65	65	65	52	23
(032-0008 SB) 961+60.23 TO 964+63.57									
964+63	TO	964+78	15	65	65	65	65	52	23
<b>URBAN TOTALS</b>				<b>130</b>	<b>130</b>	<b>130</b>	<b>130</b>	<b>104</b>	<b>48</b>
<b>GRAND TOTALS</b>				<b>130</b>	<b>130</b>	<b>130</b>	<b>130</b>	<b>104</b>	<b>48</b>

\*EARTH EXCAVATION AREAS SHOWN IN STRUCTURE PLANS (TO REMOVE MATERIAL AT THE BOTTOM OF SLOPEWALL IN 032-0008)

MODEL: \\MODELS\MH\MS  
FILE: \\MODELS\CONV\work\shld\calderon\032604310366A51-1-SH-SCHEDULE.DGN

USER NAME = calderon	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2019	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULES			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	22
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				

**MAINLINE (SB/NB) PAVEMENT PERMANENT MARKING SCHEDULE**

LOCATION	LENGTH	POLYUREA TYPE 2			PREF PL TY B	RAISED REFLECT PAVEMENT MARKER		DELINEATORS		GROOVING FOR RECESSED PAVT MARK		SHLDR RUMBLE STRIPS 16" NB/SB	
		4"			6"	ONE-WAY CRYSTAL	RRPM REMOVAL	INSTALL	REMOVAL	5"	7"		
		YEL EOP	WHT EOP	WHT GRVD	WHT SKIPS					GRVD	GRVD		GRVD
		STA	TO	STA	FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	FOOT
<b>URBAN</b>													
840+47 TO 844+00	353											1,412	
844+00 TO 894+28	5,028	10,056	10,056	2,514	252	252	26	26	20,112	2,514	20,112		
894+28 TO 920+68	2,640	5,280	5,280	1,320	132	132	14	14	10,560	1,320	10,560		
STA EQ 920+68.02BK TO 920+73.02AH													
920+73 TO 955+00	3,427	6,854	6,854	1,714	172	172	18	18	13,708	1,714	13,708		
STA EQ 955+00BK TO 955+01.13AH													
955+01 TO 969+60	1,459	2,918	2,918	730	72	72	8	8	5,836	730	4,604		
969+60 TO 996+00	2,640	5,280	5,280	1,320	132	132	14	14	10,560	1,320	10,560		
STA EQ 996+00BK TO 996+02.74AH													
996+03 TO 1005+75	972	1,944	1,944	486	48	48	7	7	3,888	486	3,888		
<b>URBAN TOTALS</b>	<b>16,519</b>	<b>64,664</b>	<b>8,084</b>	<b>808</b>	<b>808</b>	<b>87</b>	<b>87</b>	<b>64,664</b>	<b>8,084</b>	<b>63,432</b>			
<b>RURAL</b>													
1005+75 TO 1015+60	985	1,970	1,970	493	50	50	5	5	3,940	493	2,844		
1015+60 TO 1042+00	2,640	5,280	5,280	1,320	132	132	14	14	10,560	1,320	10,560		
STA EQ 1042+00BK TO 1042+01.04AH													
1042+01 TO 1061+60	1,959	3,918	3,918	980	98	98	10	10	7,836	980	7,836		
1061+60 TO 1088+00	2,640	5,280	5,280	1,320	132	132	14	14	10,560	1,320	10,560		
STA EQ 1088+00.34BK TO 1088+03.14AH													
1088+03 TO 1119+48	3,145	6,290	6,290	1,573	158	158	16	16	12,580	1,573	12,580		
1119+48 TO 1159+20	3,972	10,507	9,590	1,986	198	198	20	20	20,096	1,986	15,889		
STA EQ 1159+20.38BK TO 752+28.72AH													
752+29 TO 744+90	739	1,478	1,478	370	40	40	4	4	2,956	370	2,956		
<b>RURAL TOTALS</b>	<b>16,080</b>	<b>68,528</b>	<b>8,042</b>	<b>808</b>	<b>808</b>	<b>83</b>	<b>83</b>	<b>68,528</b>	<b>8,042</b>	<b>63,225</b>			
<b>GRAND TOTALS</b>	<b>32,599</b>	<b>133,192</b>	<b>16,126</b>	<b>1,616</b>	<b>1,616</b>	<b>170</b>	<b>170</b>	<b>133,192</b>	<b>16,126</b>	<b>126,657</b>			

NOTES:  
 URBAN/RURAL SPLIT AT 1005+75  
 1. REMOVAL ITEMS TO BE VERIFIED IN THE FIELD.  
 2. GROOVING ADDS AN ADDITIONAL 1" TO STANDARD PAVT MARKING WIDTHS  
 3. SHOULDER RUMBLE STRIP QUANTITIES WILL BE OMITTED AT STRUCTURES

**OVERHEAD STRUCTURES & RAMPS PERMANENT PAVEMENT MARKING SCHEDULE**

LOCATION	LENGTH	POLYUREA TYPE 2			PREF PLASTC TYPE B		MODIFIED URETHANE				GROOVING FOR RECESSED PAVT MARK	PAVT MARK REM WATER BLAST												
		4"			8"		12"		4"				8"											
		YEL EOP	WHT EOP	WHT RAMP GORE	WHT SKIPS	WHT ISLND SOLID LINE	WHT ISLND DIAG	24" WHT STOP GRVD	LTR & SYMB GRVD	YEL EOP			WHT EOP	WHT SKIPS	WHT TURN LN	LETTER & SYMB	5"	9"	25"	L&S				
		GRVD	GRVD	GRVD	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT		FOOT	FOOT	SQ FT					
STA	TO	STA	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	SQ FT	SQ FT					
<b>URBAN</b>																								
REED RD / KENNEDY RD																								
45+00 TO 55+00	1,000														1,723	450	21	329	85		1,037			
BRACEVILLE RD (CH 9)																								
148+00 TO 152+00	400														800	800					528			
<b>URBAN TOTALS</b>	<b>1,400</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,773</b>	<b>350</b>	<b>85</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,565</b>				
<b>RURAL</b>																								
CARBON HILL RD																								
48+00 TO 52+00	400														800	800					528			
GARDNER RD																								
117+00 TO 107+00	1,000														1,699	1,519	34	404	85		1,440			
RAMP A NB OFF RAMP	-	1,482	2,220	856	66	108	20	46	56											3,702	856	46	61	
RAMP B SB ON RAMP	-	822	2,158	995																	2,980	995		
RAMP C SB OFF RAMP	-	1,440	2,165	776	68	108	20	46	56												3,605	776	46	61
RAMP D NB ON RAMP	-	1,122	2,014	1,306																	3,136	1,306		
<b>RURAL TOTALS</b>	<b>1,400</b>	<b>13,423</b>	<b>4,283</b>	<b>40</b>	<b>92</b>	<b>112</b>	<b>4,818</b>	<b>438</b>	<b>85</b>	<b>13,423</b>	<b>3,933</b>	<b>92</b>	<b>122</b>	<b>1,968</b>										
<b>GRAND TOTALS</b>	<b>2,800</b>	<b>13,423</b>	<b>4,283</b>	<b>40</b>	<b>92</b>	<b>112</b>	<b>8,591</b>	<b>788</b>	<b>170</b>	<b>13,423</b>	<b>3,933</b>	<b>92</b>	<b>122</b>	<b>3,533</b>										

NOTES:  
 1. LARGE SIZE LETTER & SYMBOLS TO BE USED  
 2. GROOVING ADDS AN ADDITIONAL 1" TO STANDARD PAVT MARKING WIDTHS  
 3. PAVT MARKING REMOVAL TO RE-STRIPE OVERHEAD STRUCTURES TOWARDS THE END OF STRUCTURAL WORK

MODEL: \MODELS\MAR15... FILE: \MAR15... \work\main\calderon\03660431\03660431-1-in-SCHEDULE.DGN

USER NAME = calderon	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SCHEDULES</b>	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55		GRUNDY	154	23
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				

PARTIAL DEPTH PATCHING, SPECIAL(NB DIRECTION)

LOCATION	LANE		WIDTH FOOT	LENGTH FOOT	PAVT PATCH SIZE			BIT MAT TACK COAT POUND
					5 TO 15	15 TO 25	25 AND ABOVE	
					SQ YD	SQ YD	SQ YD	
M.M.	DR	PL	FOOT	FOOT	SQ YD	SQ YD	SQ YD	POUND
<b>URBAN</b>								
232.70	DR		12	6	8			7.2
232.70	DR		12	6	8			7.2
232.50	DR		12	6	8			7.2
232.45	DR		12	6	8			7.2
232.40	DR		12	6	8			7.2
232.37	DR		12	6	8			7.2
232.35		PL	12	6	8			7.2
232.30	DR		12	6	8			7.2
232.27	DR		12	6	8			7.2
232.25	DR		12	6	8			7.2
232.25		PL	12	180			240	216.0
232.23	DR		12	6	8			7.2
232.22	DR		12	6	8			7.2
232.20	DR		12	6	8			7.2
232.20	DR		12	6	8			7.2
232.20		PL	12	6	8			7.2
232.10		PL	12	60			80	72.0
231.90	DR		12	150			200	180.0
231.80		PL	12	6	8			7.2
231.70		PL	12	6	8			7.2
231.60	DR		12	6	8			7.2
231.60	DR		12	6	8			7.2
231.50		PL	12	6	8			7.2
231.20	DR		12	6	8			7.2
231.20		PL	12	6	8			7.2
231.10		PL	12	6	8			7.2
230.90	DR		12	6	8			7.2
230.80		PL	12	6	8			7.2
230.70		PL	12	6	8			7.2
230.60		PL	12	6	8			7.2
230.50		PL	12	6	8			7.2
230.45	DR		12	6	8			7.2
230.44		PL	12	6	8			7.2
230.43	DR		12	6	8			7.2
230.41	DR		12	6	8			7.2
230.41	DR		12	6	8			7.2
230.40	DR		12	6	8			7.2
230.40		PL	12	6	8			7.2
230.40		PL	12	6	8			7.2
230.34	DR		12	6	8			7.2
230.33	DR		12	6	8			7.2
230.30	DR		12	6	8			7.2
230.30		PL	12	120			160	144.0
230.15		PL	12	120			160	144.0
230.11		PL	12	6	8			7.2
230.00	DR		12	6	8			7.2
229.98		PL	12	6	8			7.2
229.65		PL	12	6	8			7.2
229.63		PL	12	40			53.4	48.1
<b>URBAN TOTALS</b>					<b>1237</b>			<b>1114</b>
<b>RURAL</b>								
229.60	DR		12	12			16	14.4
229.60		PL	12	6	8			7.2
229.54		PL	12	6	8			7.2
229.54		PL	12	6	8			7.2
229.53		PL	12	6	8			7.2
229.53		PL	12	6	8			7.2
229.50		PL	12	6	8			7.2
229.40		PL	12	6	8			7.2
229.34		PL	12	6	8			7.2
229.32		PL	12	6	8			7.2
229.31		PL	12	6	8			7.2
229.05		PL	12	6	8			7.2
229.02		PL	12	40			53.4	48.1
228.99		PL	12	6	8			7.2
228.54		PL	12	80			106.7	96.0
228.50	DR		12	80			106.7	96.0
228.50		PL	12	80			106.7	96.0
228.30		PL	12	6	8			7.2
228.21	DR		12	20			26.7	24.0

PARTIAL DEPTH PATCHING, SPECIAL(NB DIRECTION)

LOCATION	LANE		WIDTH FOOT	LENGTH FOOT	PAVT PATCH SIZE			BIT MAT TACK COAT POUND
					5 TO 15	15 TO 25	25 AND ABOVE	
					SQ YD	SQ YD	SQ YD	
M.M.	DR	PL	FOOT	FOOT	SQ YD	SQ YD	SQ YD	POUND
228.19	DR		12	60			80	72.0
228.08		PL	12	6	8			7.2
228.07	DR		12	6	8			7.2
228.01		PL	12	6	8			7.2
227.86	DR		12	15			20	18.0
227.85	DR		12	20			26.7	24.0
227.82		PL	12	6	8			7.2
227.81		PL	12	6	8			7.2
227.80	DR		12	6	8			7.2
227.70	DR		12	6	8			7.2
227.68		PL	12	6	8			7.2
227.64		PL	12	100			133.4	120.1
227.63		PL	12	100			133.4	120.1
227.60		PL	12	6	8			7.2
227.58		PL	12	6	8			7.2
227.51		PL	12	40			53.4	48.1
227.42		PL	12	60			80	72.0
227.40	DR		12	12			16	14.4
227.40		PL	12	20			26.7	24.0
227.27		PL	12	40			53.4	48.1
227.25		PL	12	40			53.4	48.1
227.20		PL	12	100			133.4	120.1
227.18		PL	12	14			18.7	16.8
227.15		PL	12	80			106.7	96.0
227.10		PL	12	6	8			7.2
227.00		PL	12	6	8			7.2
226.90	DR		12	6	8			7.2
226.70	DR		12	6	8			7.2
226.64		PL	12	6	8			7.2
226.62		PL	12	6	8			7.2
226.50		PL	12	260			346.7	312.0
<b>RURAL TOTALS</b>					<b>1930</b>			<b>1737</b>
<b>GRAND TOTALS</b>					<b>3168</b>			<b>2851</b>

URBAN/RURAL SPLIT = 229.62  
 PATCHING TO BE PERFORMED DURING PRE-STAGE CONSTRUCTION

CONTRACT NO. 66A51 GRUNDY COUNTY					
GPS NUMBER	DESCRIPTION	EXISTING MONUMENT TYPE	PROPOSED MONUMENT TYPE	MONUMENT RECORD TO BE RECORDED	RESPONSIBILITY
055100	NE CORNER SECTION 13, T32N, R8E, 3RD PM GRUNDY COUNTY	DISK IN CONCRETE	TYPE 1	YES	1
055101	NW CORNER SECTION 18, T32N, R9E, 3RD PM WILL COUNTY	DISK IN CONCRETE	TYPE 1	YES	1
NOTE: BOTH MONUMENTS ARE DISKS SET IN CONCRETE LOCATED IN THE NORTHEAST QUADRANT OF REED RD. AND I-55, ON OR NEAR THE FORESLOPE OF REED RD., AND JUST EAST OF I-55					

COORDINATES OF THE LISTED MONUMENTS ARE KNOWN. PRE CONSTRUCTION TIES BY THE R.E. ARE NOT REQUIRED. UNKNOWN MONUMENTS MAY EXIST. IF FOUND, THE R.E. MUST TIE AND REQUEST PLATS AND PLANS PERSONNEL TO GPS ANY MONUMENT SUBJECT TO DAMAGE OR DESTRUCTION FROM THE RESURFACING, DITCH CLEANING, OR CABLE MEDIAN BARRIER INSTALLATION WORK, AND INFORM THEM TO RESET THE MONUMENT(S) WHEN RESURFACING IS COMPLETE. THE R.E. IS TO INFORM THE PLATS AND PLANS SECTION TO SEARCH FOR ADDITIONAL MONUMENTS IF THE JOB LIMITS ARE EXPANDED DURING CONSTRUCTION. UPON JOB COMPLETION, THE R.E. WILL DIRECT PLATS AND PLANS TO DETERMINE IF THE LISTED MONUMENTS REQUIRE RESETTING. PLATS AND PLANS WILL PREPARE AND RECORD THE MONUMENT RECORDS IF REQUIRED.

- RESPONSIBILITY:  
 1) RESIDENT TO RE-ESTABLISH MONUMENT (PAY ITEM REQUIRED. PERMANENT SURVEY MARKER, TYPE 1)  
 2) PLATS AND PLANS TO RE-ESTABLISH MONUMENT

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCHEDULES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	24
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				



RAMPS RPPM & DELINEATOR SCHEDULE					
LOCATION	DELINEATORS*		RAISED REFLECTIVE PAVT MARKER		
	REMOVAL	INSTALL	ONE-WAY CRYSTAL	TWO-WAY CRYST/RED	TWO-WAY AMBER/RED
	EACH	EACH	EACH	EACH	EACH
<b>RURAL</b>					
GARDNER RD					
RAMP A	22	24	13	52	21
RAMP B	17	27			
RAMP C	19	20	10	51	21
RAMP D	23	31			
<b>RURAL TOTALS</b>	<b>81</b>	<b>102</b>		<b>168</b>	
<b>GRAND TOTALS</b>	<b>81</b>	<b>102</b>		<b>168</b>	

NOTES:  
 \* FOR SPACING BASED ON CURVE DATA REFER TO HWY STND 635001

PRE-STAGE CONSTRUCTION ITEMS														
LOCATION			LENGTH	TEMPORARY PAVT MARKING (1 APP)**			SHORT TERM PAVEMENT MARKING (3 APPS)*		SHORT TERM PAVT MARK REMOVAL (2 APPS)*	TEMP PAVT	TEMP PAVT REM	AGG SHLDR TY B	AGG SURF CSE TY B	
				4"		6"	8"	WHITE						YELLOW
				WHITE	YELLOW	WHITE	WHITE							
STA	TO	STA	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	SQ YD	SQ YD	TON	TON	
<b>URBAN</b>														
844+00	TO	841+48	252	504	252	63		170	76	55				
841+48	TO	920+68	7,920	15,840	7,920	1,980		5,346	2,376	1,716				
920+68 .02BK	=	920+73 .02AH												
920+73	TO	955+00	3,427	6,854	3,427	857		2,313	1,028	742			194	
955+00BK	=	955+01 .13AH												
955+01	TO	969+60	1,459	2,918	1,459	365		985	438	316				
969+60	TO	996+00	2,640	5,280	2,640	660		1,782	792	572				
996+00BK	=	996+02 .74AH												
996+03	TO	1005+75	972	1,944	972	243		656	292	211				
<b>PRE-STAGE URBAN TOTALS</b>			<b>16,670</b>	<b>50,010</b>	<b>4,168</b>	<b>0</b>		<b>16,254</b>	<b>3,612</b>				<b>194</b>	
<b>RURAL</b>														
1005+75	TO	1013+50	775	1,550	1,550	194		523	465	220				
1013+50	TO	1042+00	2,850	5,700	5,700	713		1,924	1,710	808				
1042+00BK	=	1042+01 .04AH												
1042+01	TO	1088+00	4,599	9,199	9,199	1,150		3,105	2,760	1,303			194	
1088+00 .34BK	=	1088+03 .14AH												
1088+03	TO	1104+80	1,677	3,354	3,354	419		1,132	1,006	475				
1104+80	TO	1159+20	5,440	10,880	10,880	1,360		3,672	3,264	1,541				
1159+20 .38BK	=	752+28 .72AH												
752+29	TO	744+90	739	1,477	1,477	185		499	443	209				
GARDER RAMP A								922	277	62	179	179	46	
GARDER RAMP B								995	299	66				
GARDER RAMP C								844	253	56				
GARDER RAMP D								1,306	392	87				
<b>PRE-STAGE RURAL TOTALS</b>			<b>16,080</b>	<b>64,320</b>	<b>4,021</b>	<b>4,067</b>		<b>21,724</b>	<b>4,827</b>	<b>179</b>	<b>179</b>	<b>46</b>	<b>194</b>	
<b>PRE-STAGE TOTALS</b>			<b>32,750</b>	<b>114,331</b>	<b>8,189</b>	<b>4,067</b>		<b>37,978</b>	<b>8,439</b>	<b>179</b>	<b>179</b>	<b>46</b>	<b>388</b>	

URBAN/RURAL SPLIT AT STA 1005+75  
 PRE-STAGE CONSTRUCTION - NB SHOULDER MILLING AND RESURFACING AND PARTIAL PAVEMENT PATCHING (SPECIAL)  
 \*\*ASSUMES 1 APPLICATION OF TEMP PAVT MARKING FOR WINTER SHUTDOWN (IF NEEDED), OTHERWISE USE STAGE 1 PAVT MARKING  
 \* ASSUMES QUANTITY TO BE USED AS NEEDED FOR OTHER STAGES OF CONSTRUCTION

MODEL: \\MODELS\MARITS  
 FILE: \\MARITS\cadd\work\spw\delin\delin\03660431\0366A51-1-sh-SCHEDULE.DGN

USER NAME = calderoni	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>SCHEDULES</b>			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	25
			CONTRACT NO. 66A51	
		ILLINOIS	FED. AID PROJECT	

STAGE 1 CONSTRUCTION ITEMS																	
LOCATION			LENGTH	TEMP CONC BARRIER WALL	TEMP IMP ATTNR NRD TL 3 EACH	PAVT MARK REM WTR BLST * SQ FT	POLYUREA PAVT MARKING TY 2				TEMP PAVEMENT MARK (1 APP)				PAVT MARK REM WTR BLST ** SQ FT		
							4"		8"		4"		6"			8"	
							WHITE	YELLOW	WHITE		WHITE	YELLOW	WHITE	WHITE			
STA	TO	STA	FOOT	FOOT		FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT				
<b>URBAN</b>																	
802+89	TO	812+91	1,002			668	1,002		371	1,002	1,002	251	371	579			
812+91	TO	817+93	502			397	502	502	175	502	502	125	175	448			
817+93	TO	820+47	254			201	508	254		254	254	64		251			
820+47	TO	833+69	1,322			1,047	2,644	2,644		2,644	2,644	662		1,745			
833+69	TO	835+69	200	200		158	400	400		400	400	100		264			
835+69	TO	838+21	252	252		200	504	504		504	504	126		333			
838+21	TO	920+68	8,247	8,247		6,529	16,494	16,494		16,494	16,494	4,124		10,886			
920+68.02BK	TO	920+73.02AH															
920+73	TO	944+67	2,394	2,394		1,895	4,788	4,788		4,788	4,788	1,198		3,160			
944+67	TO	955+00	1,033	1,033		818	2,066	2,066		2,066	2,066	516		1,364			
955+00BK	TO	955+01.13AH															
955+01	TO	962+11	710	710		562	1,420	1,420		1,420	1,420	356		937			
962+11	TO	970+20	809	809		640	1,618	1,618		1,618	1,618	404		1,068			
970+20	TO	971+00	80	80		63	160	160		160	160	40		106			
971+00	TO	987+50	1,650	1,650		1,306	3,300	3,300		3,300	3,300	826		2,178			
987+50	TO	996+00	850	850		673	1,700	1,700		1,700	1,700	426		1,122			
996+00BK	TO	996+02.74AH															
996+03	TO	1005+75	972	972		770	1,944	1,944		1,944	1,944	486		1,283			
<b>STAGE 1 URBAN TOTALS</b>			<b>20,277</b>	<b>17,197</b>		<b>15,927</b>	<b>76,843</b>	<b>546</b>		<b>77,591</b>	<b>9,704</b>	<b>546</b>		<b>25,724</b>			
<b>RURAL</b>																	
1005+75	TO	1013+17	742	742		587	1,484	1,484		1,484	1,484	372		979			
1013+17	TO	1013+50	33	33		26	66	66		66	66	16		44			
1013+50	TO	1042+00	2,850	2,850		2,256	5,700	5,700		5,700	5,700	1,426		3,762			
1042+00BK	TO	1042+01.04AH															
1042+01	TO	1088+00	4,599	4,599		3,641	9,199	9,199		9,199	9,199	2,300		6,071			
1088+00.34BK	TO	1088+03.14AH															
1088+03	TO	1104+80	1,677	1,677		1,328	3,354	3,354		3,354	3,354	838		2,213			
1104+80	TO	1159+20	5,440	5,440		4,307	10,880	10,880	501	10,880	10,880	2,720	501	7,517			
1159+20.38BK	TO	752+28.72AH															
752+29	TO	744+90	739	739		585	739	1,477	755	1,477	1,477	370	755	1,237			
744+90	TO	716+96	2,794	2,794		2,212	5,588	5,588		5,588	5,588	1,398		3,688			
716+96	TO	712+42.80	453	476		359	906	906		906	906	226		598			
712+42.80	TO	705+57.17	686	686		543	1,371	1,371		1,371	1,371	342		905			
705+57.17	TO	703+00	257	257		204	514	514		514	514	128		339			
703+00	TO	697+93	507	507		401	507	507		1,014	1,014	254		335			
697+93	TO	687+93	1,000			792		1,000		2,000	2,000	500		330			
<b>STAGE 1 A</b>																	
GARDNER RAMP A					1		USE 701411 STND			1,482	2,220	922					
GARDNER RAMP B							5,100	5,100		822	2,158	2,550	995	3,366			
GARDNER RAMP C			REMAINS CLOSED DURING STAGE 1 CONSTRUCTION								1,440	2,165	844				
GARDNER RAMP D							USE 701411 STND			1,122	2,014	1,306					
<b>STAGE 1 RURAL TOTALS</b>			<b>21,777</b>	<b>20,293</b>	<b>1</b>	<b>17,241</b>	<b>92,556</b>	<b>1,256</b>		<b>100,531</b>	<b>13,440</b>	<b>5,323</b>		<b>21,823</b>			
<b>STAGE 1 TOTALS</b>			<b>42,054</b>	<b>37,490</b>	<b>1</b>	<b>33,168</b>	<b>169,399</b>	<b>1,802</b>		<b>178,122</b>	<b>23,144</b>	<b>5,869</b>		<b>47,547</b>			

URBAN/RURAL SPLIT AT STA 1005+75

SB ON-RAMP (RAMP B) SHALL BE REOPENED AS SOON AS TRAFFIC OPERATIONS ALLOW

\*PAVEMENT MARKING REMOVAL (WATER BLAST) TO REMOVE EXISTING PAVEMENT MARKING PRIOR TO STAGE 1

\*\*PAVEMENT MARKING REMOVAL (WATER BLAST) TO REMOVE STAGE 1 PAVT MARKING PRIOR WINTER SHUTDOWN

PAVEMENT MARKING AT RAMPS IS INCLUDED IN THE COST OF THE 701411 STANDARD WHERE SHOWN IN THE PLANS

THE COST OF THE BARRIER WALL REFLECTORS (TY C) IS INCLUDED IN THE COSE OF THE TEMPORARY CONCRETE BARRIER

TEMP PAVT MARKING PRIOR SHUTDOWN TO BE APPLIED AT BOTH NB/SB LANES AND ALL GARDNER RD RAMPS

OVERHEAD STRUCTURES STAGING SCHEDULE							
LOCATION	URBAN/ RURAL	LENGTH	MEDIAN REM SPL	INC HMA SURF	CONC MEDIAN TY SM 4-06	CURB REFLECT	
		FT	SQ FT	TON	SQ FT	EACH	
<b>032-0091 (REED RD)</b>							
46+90	47+43	URBAN	52	256	22	256	7
52+82	53+35	URBAN	52	256	22	256	7
<b>032-0093 (GARDNER RD)</b>							
108+66	109+19	RURAL	52	256	22	256	7
114+58	115+11	RURAL	52	256	22	256	7
<b>URBAN TOTALS</b>			<b>512</b>	<b>44</b>		<b>512</b>	<b>14</b>
<b>RURAL TOTALS</b>			<b>512</b>	<b>44</b>		<b>512</b>	<b>14</b>
<b>GRAND TOTALS</b>			<b>1024</b>	<b>88</b>		<b>1024</b>	<b>28</b>

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	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCHEDULES				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	26
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66A51	

STAGE 2 CONSTRUCTION ITEMS										
LOCATION			LENGTH	TEMP CONC BARRIER WALL	PAVT MARK REM WTR BLST *	POLYUREA PAVT MARK TY 2			PAVT MARK REM WTR BLST **	AGG SURF CSE TY B
						4"		8"		
STA	TO	STA	FOOT	FOOT	SQ FT	WHITE FOOT	YELLOW FOOT	WHITE FOOT	SQ FT	TON
<b>URBAN</b>										
802+89	TO	812+91	1,002		668	1,002		371	579	
812+91	TO	817+93	502		397	502	502	175	448	
817+93	TO	820+45	252		200	504	252		249	
820+45	TO	831+00	1,055		835	1,055	1,055		696	
831+00	TO	832+00	100		79	200	200		132	
832+00	TO	839+04	704	704	557	1,408	1,408		929	
839+04	TO	920+68	8,164	8,164	6,463	16,328	16,328		10,776	
920+68 .02BK	TO	920+73 .02AH								
920+73	TO	944+67	2,394	2,394	1,895	4,788	4,788		3,160	
944+67	TO	955+00	1,033	1,033	818	2,066	2,066		1,364	194
955+00BK	TO	955+01 .13AH								
955+01	TO	962+11	710	710	562	1,420	1,420		937	
962+11	TO	970+20	809	809	640	1,618	1,618		1,068	
970+20	TO	971+00	80	80	63	160	160		106	
971+00	TO	987+50	1,650	1,650	1,306	3,300	3,300		2,178	
987+50	TO	996+00	850	850	673	1,700	1,700		1,122	
996+00BK	TO	996+02 .74AH								
996+03	TO	1005+75	972	972	770	1,944	1,944		1,283	
<b>STAGE 2 URBAN TOTALS</b>			<b>20,277</b>	<b>17,366</b>	<b>15,926</b>	<b>74,735</b>	<b>546</b>	<b>25,027</b>	<b>194</b>	
<b>RURAL</b>										
1005+75	TO	1013+17	742	742	587	1,484	1,484		979	
1013+17	TO	1013+50	33	33	26	66	66		44	
1013+50	TO	1042+00	2,850	2,850	2,256	5,700	5,700		3,762	
1042+00BK	TO	1042+01 .04AH								
1042+01	TO	1088+00	4,599	4,599	3,641	9,199	9,199		6,071	194
1088+00 .34BK	TO	1088+03 .14AH								
1088+03	TO	1104+80	1,677	1,677	1,328	3,354	3,354		2,213	
1104+80	TO	1159+20	5,440	5,440	4,307	10,880	10,880	501	7,517	
1159+20 .38BK	TO	752+28 .72AH								
752+29	TO	744+90	739	739	585	739	1,477	589	1,126	
744+90	TO	717+37	2,753	2,753	2,179	5,506	5,506		3,634	
717+37	TO	712+42 .80	494	494	391	988	988		652	
712+42 .80	TO	708+00	443	443	351	886	886		584	
708+00	TO	702+07	593		469	593	593		391	
702+07	TO	697+06	501			501	501		331	
697+06	TO	687+06	1,000				1,000		330	
<b>STAGE 2 A</b>										
GARDNER RAMP A				828		4,548	4,548		3,002	
GARDNER RAMP B						USE 701411 STND				
GARDNER RAMP C						USE 701411 STND				
GARDNER RAMP D				REMAINS CLOSED DURING STAGE 2 CONST						
<b>STAGE 2 RURAL TOTALS</b>			<b>21,864</b>	<b>20,598</b>	<b>16,120</b>	<b>90,626</b>	<b>1,090</b>	<b>30,636</b>	<b>194</b>	
<b>STAGE 2 TOTALS</b>			<b>42,141</b>	<b>37,964</b>	<b>32,046</b>	<b>165,361</b>	<b>1,636</b>	<b>55,663</b>	<b>388</b>	

URBAN/RURAL SPLIT AT STA 1005+75

\*PAVEMENT MARKING REMOVAL (WATER BLAST) TO REMOVE EXISTING PAVEMENT MARKING PRIOR TO STAGE 2

\*\*PAVEMENT MARKING REMOVAL (WATER BLAST) TO REMOVE STAGE 2 PAVT MARKING PRIOR TO FINAL APPLICATION

PAVEMENT MARKING AT RAMPS IS INCLUDED IN THE COST OF THE 701411 STANDARD WHERE SHOWN IN THE PLANS  
THE COST OF THE BARRIER WALL REFLECTORS (TY C) IS INCLUDED IN THE COSE OF THE TEMPORARY CONCRETE BARRIER

CLEANING PAVED DITCH		
LOCATION	URBAN/ RURAL	LENGTH ALONG DITCH CL
		FOOT
032-0091	URBAN	132
032-0090	URBAN	515
032-0092	RURAL	277
032-0093	RURAL	275
TOTAL URBAN		647
TOTAL RURAL		552
GRAND TOTAL		1,199

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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET	OF	SHEETS	STA.	TO	STA.
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**SCHEDULES**

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	27
CONTRACT NO. 66A51			ILLINOIS FED. AID PROJECT	

HIGH TENSION CABLE MEDIAN BARRIER SCHEDULE														
LOCATION			REMOVE HTCMB		HTCMB INSTALL		REMOVE HTCMB TERMINAL		HTCMB TERMINAL INSTALL		CABLE GUARD MARKER	TERMINAL MARKER POST MOUNTED	WEED CONTROL	
			NB	SB	NB	SB	NB	SB	NB	SB			MOW STRIP	SPECIAL
STA	TO	STA	FOOT	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	EACH	EACH	SQ YD	
<b>URBAN</b>														
840+70	TO	920+68	7,998		7,998		1		1		200	1	2,666	
STA EQ 920+68.02BK TO 920+73.02AH														
920+73	TO	944+67	2,394		2,394		1		1		60	1	798	
945+66 TO 955+00			934				1		1			1		
STA EQ 955+00BK TO 955+01.13AH														
955+01	TO	961+72	710		671		1		1		17	1	224	
STRUCTURE OMISSION (032-0007) 962+23.30 TO 965+31.00														
965+00	TO	970+20		520		520		1	1		13	1	173	
970+20 TO 970+75			55	55	55	55	1	1	1	1	3	2	37	
971+00 TO 987+50			1,650		1,650		1		1		41	1	550	
988+50 TO 996+00			750		750		1		1		19	1	250	
STA EQ 996+00BK TO 996+02.74AH														
996+03	TO	1004+54	891		851		1		1		21	1	284	
<b>URBAN TOTALS</b>			<b>15,957</b>		<b>14,944</b>		<b>10</b>		<b>10</b>		<b>374</b>	<b>10</b>	<b>4,982</b>	
<b>RURAL</b>														
STRUCTURE OMISSION (032-0005) 1005+05.17 TO 1007+78.83														
1008+29	TO	1012+79		489		450		1	1		11	1	150	
1012+79 TO 1013+29			50	50	50	50	1	1	1	1	3	2	33	
1013+29 TO 1042+00			2,871		2,871						72	0	957	
STA EQ 1042+00BK TO 1042+01.04AH														
1042+01	TO	1088+00	4,599		4,599						115		1,533	
STA EQ 1088+00.34BK TO 1088+03.14AH														
1088+03 TO 1104+80			1,677		1,677		1		1		42	1	559	
1105+78 TO 1159+20				5,342		5,342		1	1		134	1	1,781	
STA EQ 1159+20.38BK TO 752+28.72AH														
752+29	TO	751+60		69		69		1	1		2	1	23	
<b>RURAL TOTALS</b>			<b>15,147</b>		<b>15,108</b>		<b>6</b>		<b>6</b>		<b>379</b>	<b>6</b>	<b>5,036</b>	
<b>GRAND TOTALS</b>			<b>31,104</b>		<b>30,052</b>		<b>16</b>		<b>16</b>		<b>753</b>	<b>16</b>	<b>10,018</b>	

PROPOSED TERMINALS MAY BE INCREASED OR DECREASED BASED ON MANUFACTURER'S SPECIFICATIONS/RECOMMENDATIONS.

TEMPORARY GUARDRAIL SCHEDULE									
LOCATION		URBAN/RURAL	STAGE	LENGTH OF NEED	TERMINAL MARKER DIRECT APPLIED	TEMP TBT	TEMP TBT	TEMP SPBGR	G.R. REFL
BRIDGE QUADRANT	STAGE TRAFFIC					TY 1	TY 6	TY A	
				FOOT	EACH	EACH	EACH	FOOT	EACH
SN 032-0005 - STRUCTURE OVER MAZON RIVER									
NW QUAD	SB APPROACH	URBAN	1	275.0	1	1	1	212.5	3
SN 032-0006 - STRUCTURE OVER MAZON RIVER									
SE QUAD	NB APPROACH	RURAL	2	275.0	1	1	1	212.5	3
SN 032-0007 - STRUCTURE OVER R&R									
NW QUAD	SB APPROACH	URBAN	1	275.0	1	1	1	212.5	3
SN 032-0008 - STRUCTURE OVER R&R									
SE QUAD	NB APPROACH	URBAN	2	275.0	1	1	1	212.5	3
<b>URBAN TOTALS</b>				<b>825.0</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>637.5</b>	<b>9</b>
<b>RURAL TOTALS</b>				<b>275.0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>212.5</b>	<b>3</b>
<b>GRAND TOTALS</b>				<b>1,100.0</b>	<b>4</b>	<b>4</b>	<b>4</b>	<b>850.0</b>	<b>12</b>

MISC SCHEDULE						
LOCATION	URBAN/RURAL	MEDIAN CLOSURE	REM & REPL SAND MODULE IMPACT ATTENUATOR	LINEAR DELINEATOR PANEL 6"	MILE POST MKR ASSEMBLY SPECIAL	TEMP LIGHTING SYSTEM
		EACH	EACH	EACH	EACH	L SUM
032-0091	N QUAD	URBAN		14		
032-0091	S QUAD	URBAN		14		
032-0090	N QUAD	URBAN		14		
032-0090	S QUAD	URBAN		14		
032-0092	N QUAD	RURAL		14		
032-0092	S QUAD	RURAL		14		
032-0093	N QUAD	RURAL		14		
032-0093	S QUAD	RURAL		14		
032-0005	N/S QUAD	URBAN		8		
032-0006	N/S QUAD	URBAN		8		
032-0007	N/S QUAD	URBAN		8		
032-0008	N/S QUAD	URBAN		8		
MP 226 TO 229 (NB/SB)		RURAL			8	
MP 230 TO 233 (NB/SB)		URBAN			8	
NORTH CROSSOVER		URBAN	1			0.5
SOUTH CROSSOVER		RURAL	1			0.5
<b>URBAN TOTALS</b>			<b>1</b>	<b>56</b>	<b>32</b>	<b>0.5</b>
<b>RURAL TOTALS</b>			<b>1</b>	<b>56</b>	<b>0</b>	<b>0.5</b>
<b>GRAND TOTALS</b>			<b>2</b>	<b>112</b>	<b>32</b>	<b>1</b>

REFER TO SPECIAL PROVISIONS FOR MILE POST MARKER ASSEMBLY SUPPORTS

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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE:		SHEET OF SHEETS		STA.	TO STA.
SCHEDULES					

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	28
CONTRACT NO. 66A51			ILLINOIS FED. AID PROJECT	

CULVERT SCHEDULE										
LOCATION		PIPE CULVERT TO BE CLEANED			TELEVISION INSPECTION OF PIPE CULVERT	REM EXIST FLARED END SECTION EACH	PRC FL END SECT 18"	CIP END SECT 30"	STATION	SIDE
		18" FOOT	24" FOOT	30" FOOT						
URBAN										
870+00	SB/NB			120	120					
885+00	SB	54			54					
889+00	SB	54			54					
900+50	SB	52			52					
919+00	SB	50			50					
928+50	SB					2		2		
952+00	NB	72			72					
987+00	SB	53			53					
URBAN TOTALS		335	0	120	455	2		2		0
RURAL										
1016+70	SB	57			57					
1040+00	SB	54			54					
1050+24*	SB									1
1053+25	SB	54			54					
1056+00	NB	74			74					
1068+00	SB	51			51					
1080+45	SB		59		59					
1101+00	SB	57			57					
1112+00	NB					1		1		
RURAL TOTALS		347	59	0	406	1		1		1
GRAND TOTALS		682	59	120	861	3		3		1

URBAN/RURAL SPLIT AT 1005+75  
 ALL CULVERTS ARE RCCP TYPE  
 LENGTHS TO BE VERIFIED IN THE FIELD  
 \* CULVERT WITH 45 DEGREE SKEW - REFER TO HWY STND 542201 FOR CIP SKEWED END SECTIONS

LANDSCAPING AND DRAINAGE SCHEDULE											
LOCATION		URBAN	GRAD & SHAPE DITCH SPL	TEMP EROS CONTROL SEED POUND	PERIMETER EROS BARRIER FOOT	EROS CONTROL BLANKET SQ YD	SEEDING CLASS 2 ACRE	SEEDING CLASS 2A ACRE	NITROGEN FERT NUTRIENT POUND	PHOSPHOROUS FERT NUTRIENT POUND	POTASSIUM FERT NUTRIENT POUND
REED RD INFIELDS											
SE QUAD	URBAN	1,131				503	0.10		10	10	10
NE QUAD	URBAN	1,304				580	0.12		11	11	11
NW QUAD	URBAN	1,383				615	0.13		12	12	12
SW QUAD	URBAN	1,260				560	0.12		11	11	11
GARDNER RAMP A											
4+00 TO 0+00	RURAL					222		0.05	5	5	5
744+50 TO 744+90	RURAL					22		0.01	1	1	1
TURNOUTS (AFTER STAGE CONST)											
950+00 (STG 1)	URBAN					284		0.06	6	6	6
950+00 (STG 2)	URBAN					284		0.06	6	6	6
1065+00 (STG 1)	RURAL					284		0.06	6	6	6
1065+00 (STG 2)	RURAL					284		0.06	6	6	6
GARDNER RD INFIELDS											
SW OR SE INFIELD*	RURAL			57	700	2,778	0.6		52	52	52
TOTAL URBAN		5,078	0	0	0	2,826	0.5	0.12	56	56	56
TOTAL RURAL		0	57	700	3,591	0.6	0.18	70	70	70	70
GRAND TOTAL		5,078	57	700	6,417	1.0	0.30	126	126	126	126

\*BASED ON A 100'x250' AREA WITH 1.5' FILL FROM MOW STRIP MATERIAL TO BE PROTECTED WITH SILT FENCE

STEEL PLATE BEAM GUARDRAIL SCHEDULE																		
LOCATION				URBAN/ RURAL	LENGTH OF NEED FOOT	GR REM FOOT	TERM MARKER DIRECT APPLIED EACH	TBT TY 1 (SPL) TANGENT EACH	TRAFF BARR TY 6 EACH	TRAFF BARR TY 2 EACH	TRAFF BARR TY 5 EACH	SPBGR TY A 6-FT POSTS FOOT	SPBGR TY A 9-FT POSTS FOOT	HMA STAB AT SPBGR 6" SQ YD	GR REFL TY A EACH	LIN DEL PANEL 4" EACH	CONC CURB TY B FOOT	
BRIDGE QUADRANT	DIRECTION OF TRAFFIC	FROM	TO															
SN 032-0005 - STRUCTURE OVER MAZON RIVER																		
NE QUAD	NB DEPARTING	1004+09.40	1005+10.17	URBAN	90.17	103.0					1	1		87.5	30.0	1	2	
NW QUAD	NB DEPARTING*	1004+34.40	1005+10.17	URBAN	75.00	28.0					1	1	62.5	87.5	25.0	1	2	
SE QUAD	NB APPROACHING	1007+73.83	1011+61.33	RURAL	381.17	337.5	1	1	1				312.5	130.0	4	4		
SW QUAD	NB APPROACHING	1007+73.83	1010+61.33	RURAL	275.00	391.5	1	1	1			212.5		94.0	3	3		
SN 032-0006 - STRUCTURE OVER MAZON RIVER																		
NE QUAD	SB APPROACHING	1002+22.67	1005+10.17	URBAN	275.00	389.8	1	1	1			212.5		94.0	3	3		
NW QUAD	SB APPROACHING	1000+10.17	1005+10.17	URBAN	490.17	338.3	1	1	1				425.0	166.0	5	6		
SE QUAD	SB DEPARTING*	1007+73.83	1008+49.60	RURAL	75.00	35.0				1	1	62.5		25.0	1	2		
SW QUAD	SB DEPARTING	1007+73.83	1011+87.10	RURAL	406.17	460.6				1	1		400.0	135.0	5	5		
SN 032-0007 - STRUCTURE OVER R&R																		
NE QUAD	NB DEPARTING	956+92.07	962+67.84	URBAN	572.84	579.3				1	1		562.5		6	7	569	
NW QUAD	NB DEPARTING*	961+52.34	962+28.11	URBAN	75.00	44.6						62.5		25.0	1	2		
SE QUAD	NB APPROACHING	965+31.18	974+43.68	URBAN	898.92	932.8	1	1	1				837.5		6	12	895	
SW QUAD	NB APPROACHING	964+91.45	967+78.95	URBAN	275.00	386.7	1	1	1			212.5		94.0	3	3		
SN 032-0008 - STRUCTURE OVER R&R																		
NE QUAD	SB APPROACHING	959+10.05	961+97.55	URBAN	275.00	388.0	1	1	1			212.5		94.0	3	3		
NW QUAD	SB APPROACHING	953+07.82	961+57.82	URBAN	837.82	813.8	1	1	1				775.0		6	10	834	
SE QUAD	SB DEPARTING*	964+60.89	965+36.66	URBAN	75.00	47.0				1	1	62.5		25.0	1	2		
SW QUAD	SB DEPARTING	964+21.16	974+59.43	URBAN	1,033.84	1,050.0				1	1		1025.0		6	13	1030	
URBAN TOTALS					4,973.8	5,101	6	6	6	6	6	825.0	3,712.5	553	42	65	3327	
RURAL TOTALS					1,137.3	1,225	2	2	2	2	2	275.0	712.5	384	13	14	0	
GRAND TOTALS					6,111.1	6,326	8	8	8	8	8	1,100.0	4,425.0	937	55	79	3327	

FOR SPACING OF GUARDRAIL REFLECTORS SEE HWY STND 782006  
 \* REFER TO TEMPORARY GUARDRAIL SCHEDULE FOR PROTECTION DURING STAGE 1 & 2  
 6-FT SPBGR FOR INSIDE SHOULDERS  
 9-FT SPBGR FOR OUTSIDE SHOULDERS

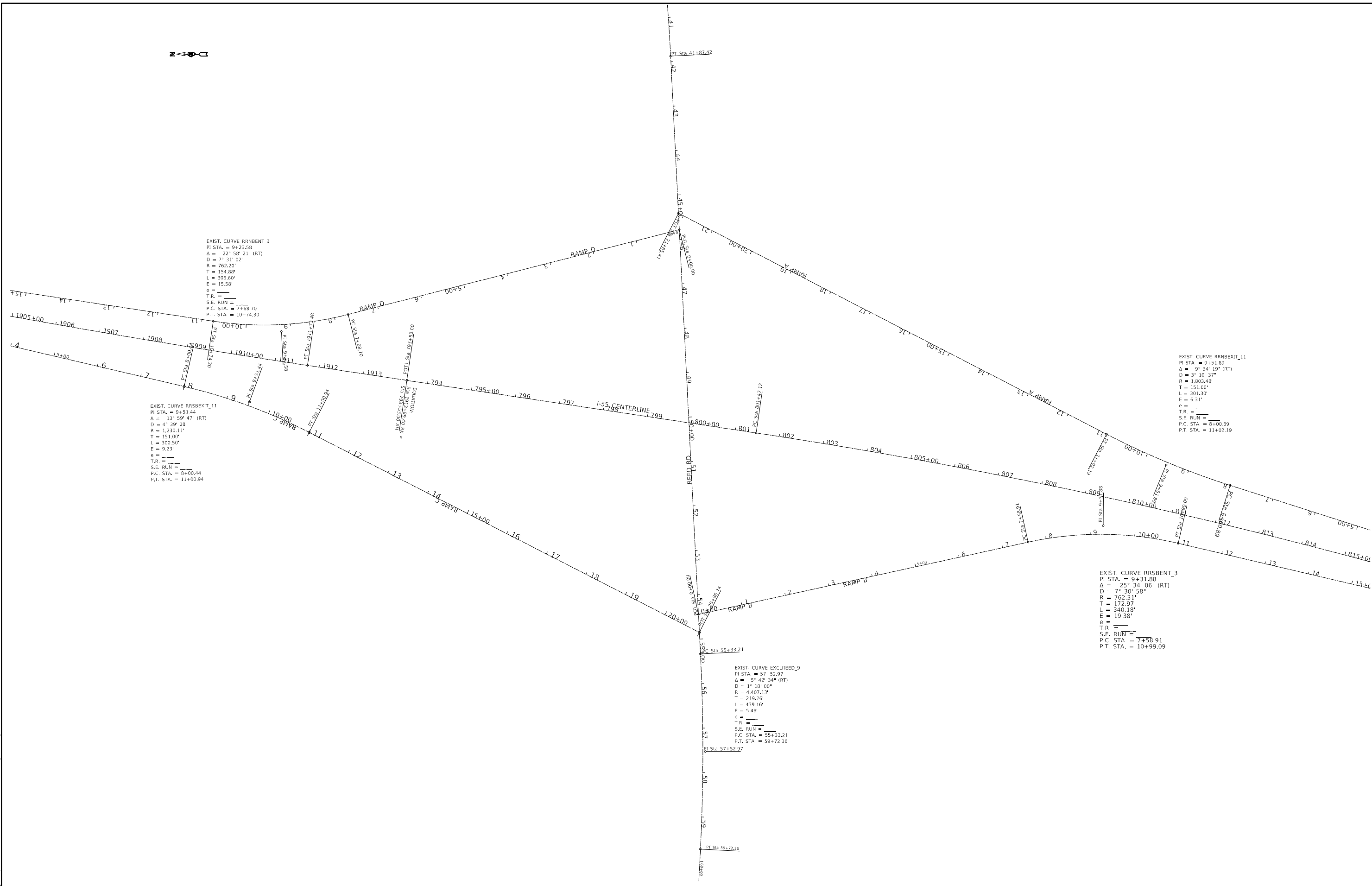
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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2019	DATE -	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCHEDULES	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	29
CONTRACT NO. 66A51			ILLINOIS FED. AID PROJECT	



EXIST. CURVE RRNBENT\_3  
 PI STA. = 9+23.58  
 $\Delta = 22^\circ 58' 21''$  (RT)  
 $D = 7^\circ 31' 02''$   
 $R = 762.20'$   
 $T = 154.88'$   
 $L = 305.60'$   
 $E = 15.58'$   
 $e =$   
 $T.R. =$   
 S.E. RUN =  
 P.C. STA. = 7+68.70  
 P.T. STA. = 10+74.30

EXIST. CURVE RRSBEXIT\_11  
 PI STA. = 9+51.44  
 $\Delta = 13^\circ 59' 47''$  (RT)  
 $D = 4^\circ 39' 28''$   
 $R = 1,230.11'$   
 $T = 151.00'$   
 $L = 300.50'$   
 $E = 9.23'$   
 $e =$   
 $T.R. =$   
 S.E. RUN =  
 P.C. STA. = 8+00.44  
 P.T. STA. = 11+00.94

EXIST. CURVE RRNBEXIT\_11  
 PI STA. = 9+51.89  
 $\Delta = 9^\circ 34' 19''$  (RT)  
 $D = 3^\circ 10' 37''$   
 $R = 1,803.48'$   
 $T = 151.00'$   
 $L = 301.30'$   
 $E = 6.31'$   
 $e =$   
 $T.R. =$   
 S.E. RUN =  
 P.C. STA. = 8+00.89  
 P.T. STA. = 11+02.19

EXIST. CURVE RRSBENT\_3  
 PI STA. = 9+31.88  
 $\Delta = 25^\circ 34' 06''$  (RT)  
 $D = 7^\circ 30' 58''$   
 $R = 762.31'$   
 $T = 172.57'$   
 $L = 340.18'$   
 $E = 19.38'$   
 $e =$   
 $T.R. =$   
 S.E. RUN =  
 P.C. STA. = 7+58.91  
 P.T. STA. = 10+99.09

EXIST. CURVE EXCLREED\_9  
 PI STA. = 57+52.97  
 $\Delta = 5^\circ 42' 34''$  (RT)  
 $D = 1^\circ 18' 00''$   
 $R = 4,407.13'$   
 $T = 219.76'$   
 $L = 439.16'$   
 $E = 5.49'$   
 $e =$   
 $T.R. =$   
 S.E. RUN =  
 P.C. STA. = 55+33.21  
 P.T. STA. = 59+72.36

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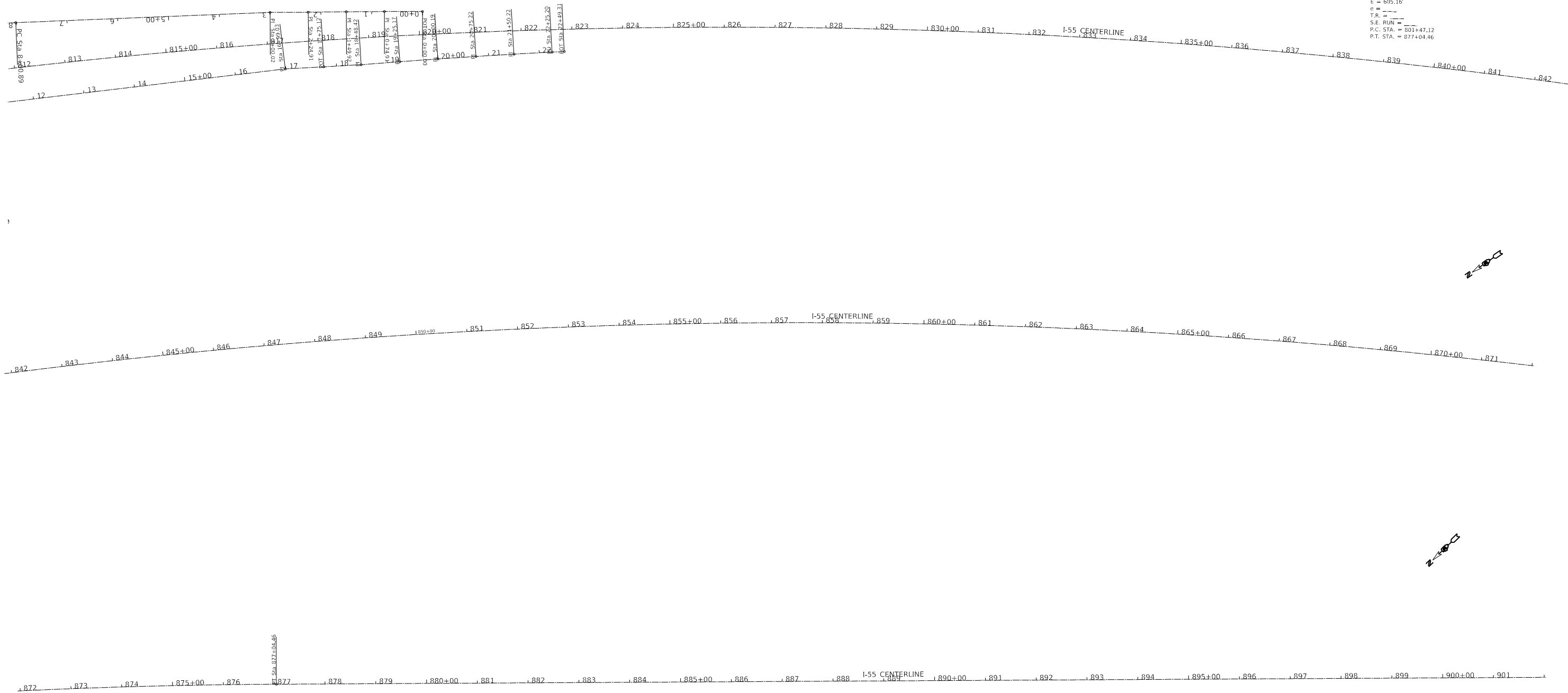
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PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENTS	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	30
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				

EXIST. CURVE N155\_8  
 PI STA. = 840+49.72  
 $\Delta = 35^\circ 15' 27"$  (RT)  
 $D = 0^\circ 28' 00"$   
 $R = 12,281.21'$   
 $T = 3,902.60'$   
 $L = 7,557.34'$   
 $E = 605.16'$   
 $C = \text{---}$   
 $T.R. = \text{---}$   
 S.E. RUN =  
 P.C. STA. = 801+47.12  
 P.T. STA. = 877+04.46



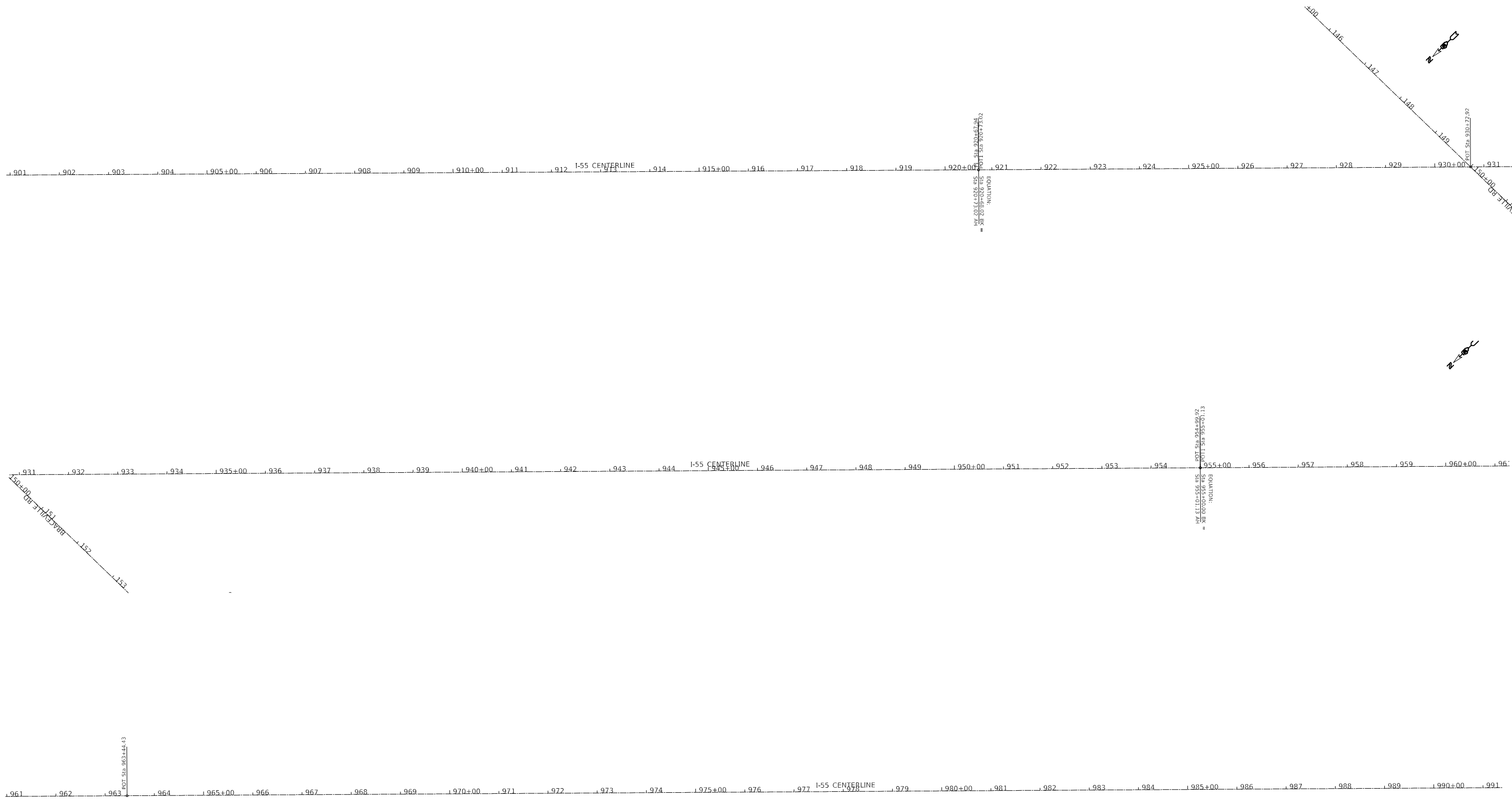
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PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>ALIGNMENTS</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	31
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				



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PLOT DATE = 10/22/2019	DATE -	REVISED -

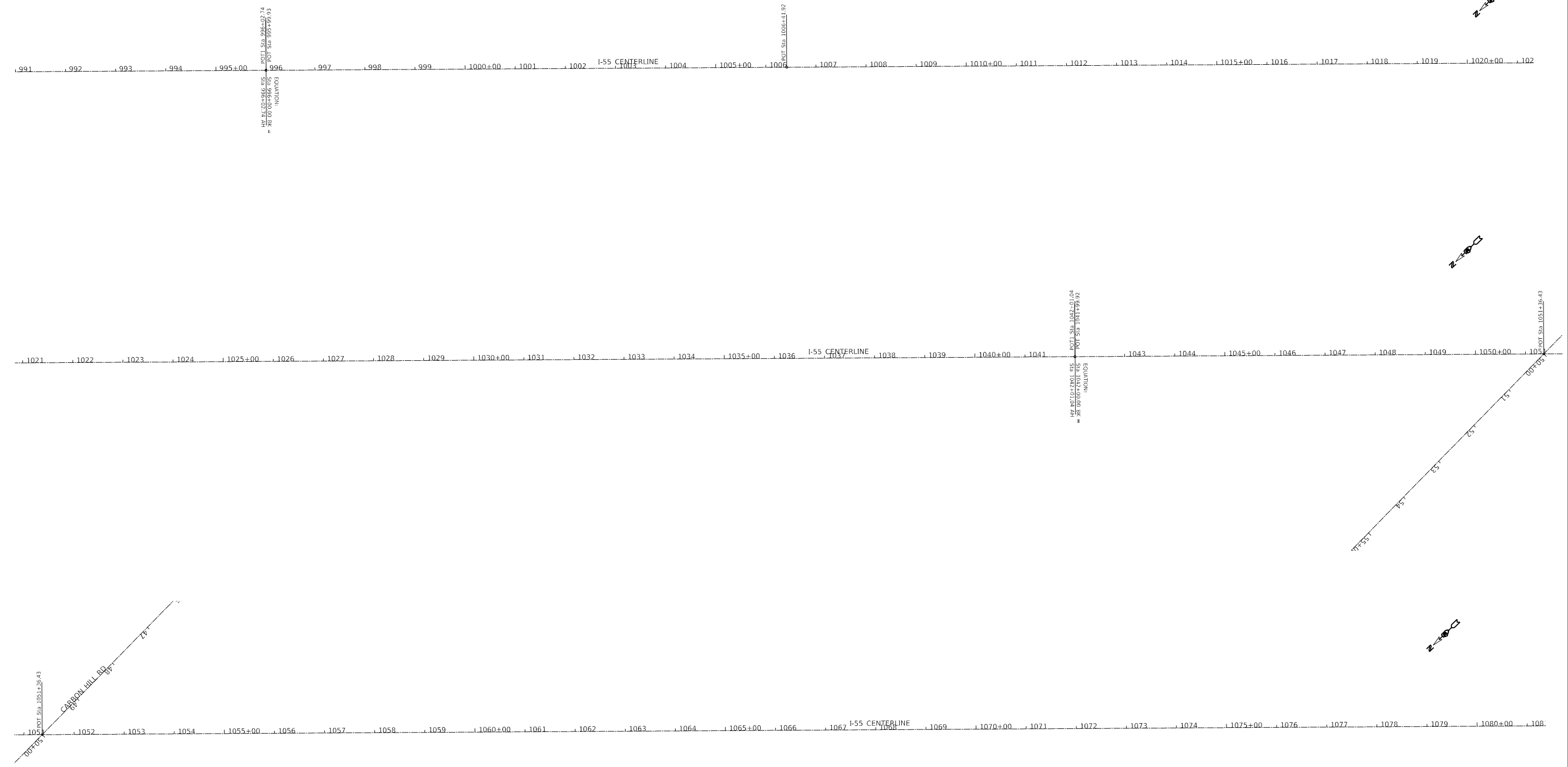
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENTS			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	32
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				



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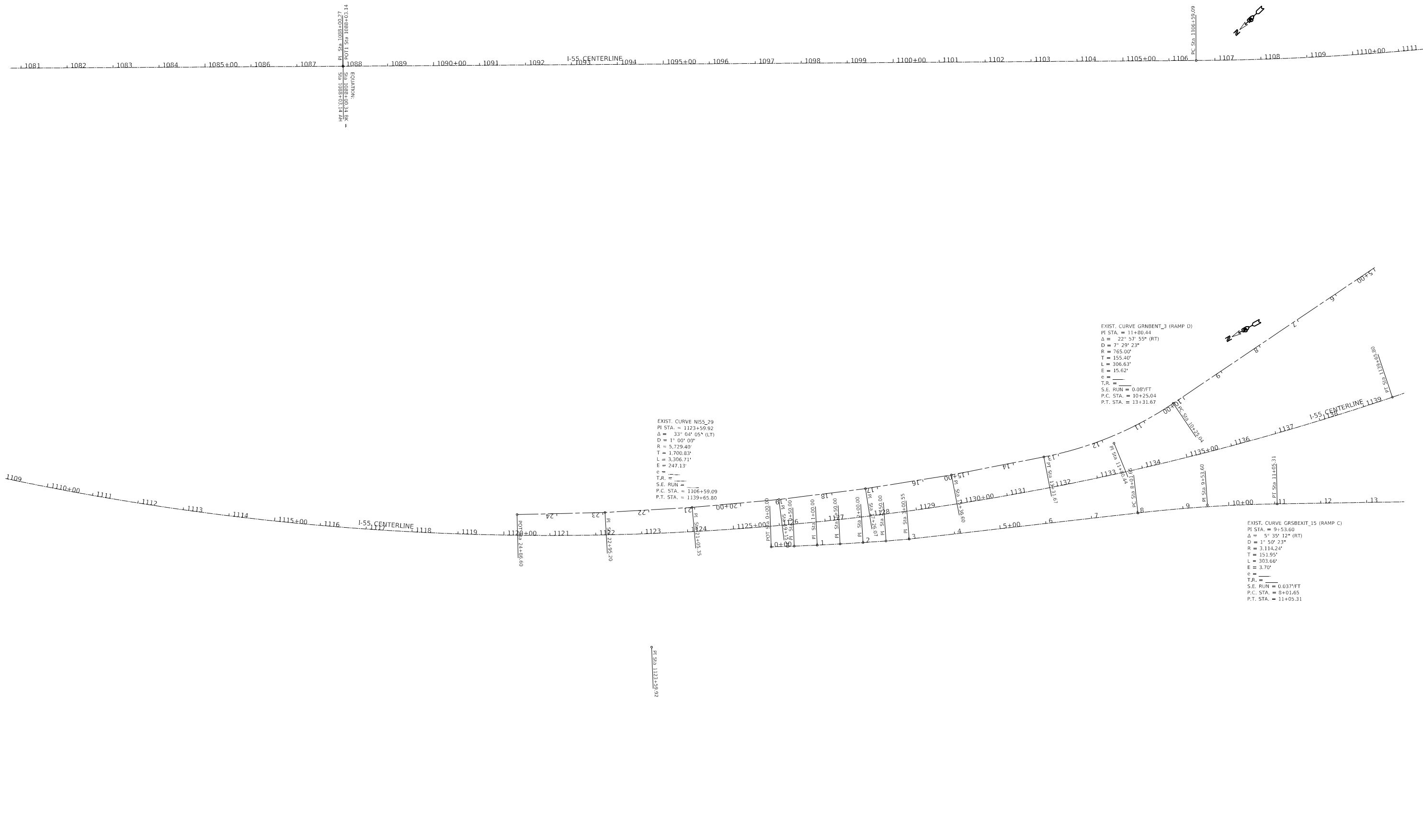


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PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

ALIGNMENTS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	33
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				



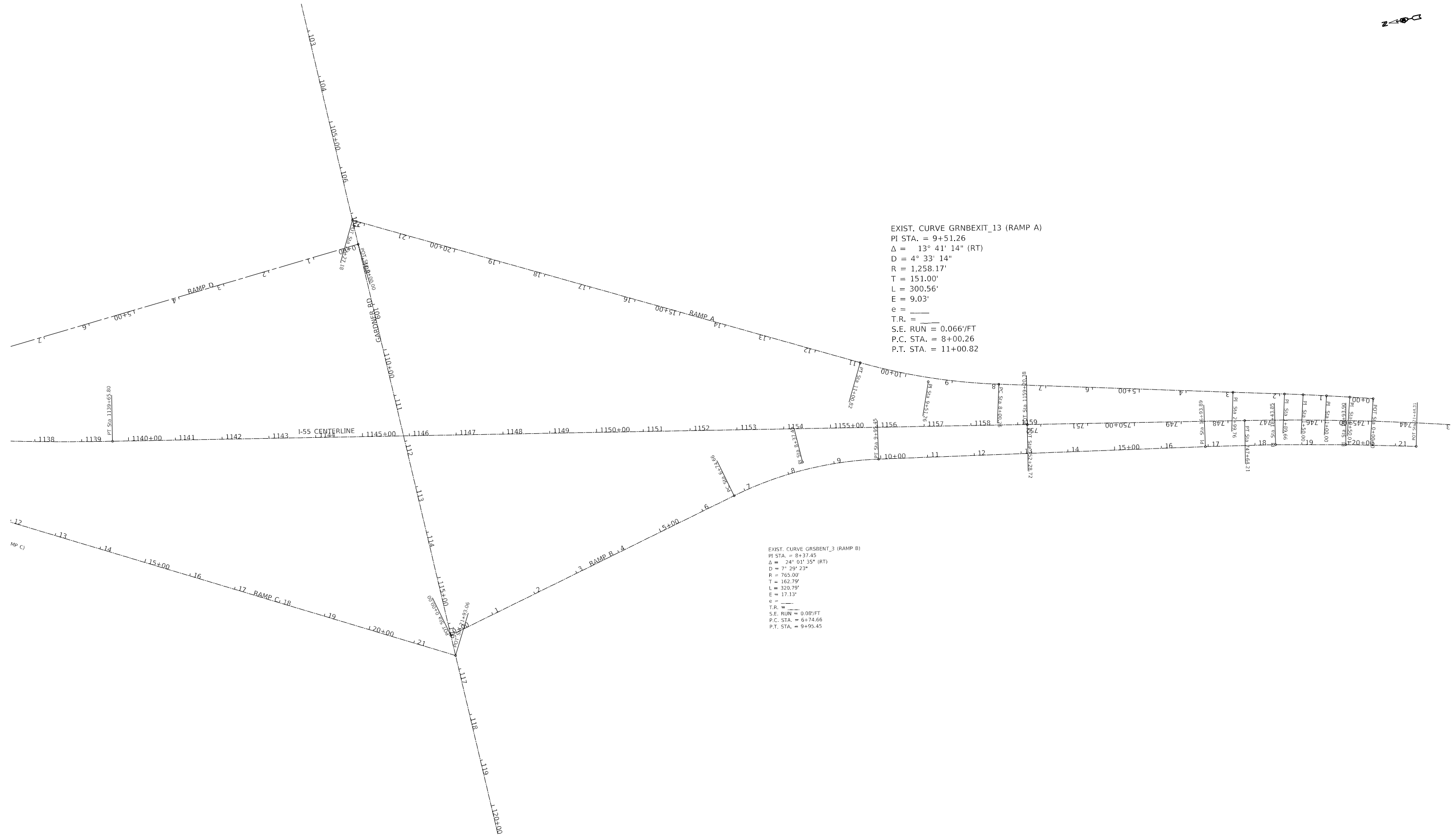
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PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

ALIGNMENTS	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	34
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				



EXIST. CURVE GRNBEXIT\_13 (RAMP A)  
 PI STA. = 9+51.26  
 $\Delta = 13^\circ 41' 14''$  (RT)  
 $D = 4^\circ 33' 14''$   
 $R = 1,258.17'$   
 $T = 151.00'$   
 $L = 300.56'$   
 $E = 9.03'$   
 $e = \text{---}$   
 $T.R. = \text{---}$   
 $S.E. RUN = 0.066'/FT$   
 $P.C. STA. = 8+00.26$   
 $P.T. STA. = 11+00.82$

EXIST. CURVE GRSBENT\_3 (RAMP B)  
 PI STA. = 8+37.45  
 $\Delta = 24^\circ 01' 35''$  (RT)  
 $D = 7^\circ 29' 23''$   
 $R = 765.00'$   
 $T = 162.79'$   
 $L = 320.79'$   
 $E = 17.13'$   
 $e = \text{---}$   
 $T.R. = \text{---}$   
 $S.E. RUN = 0.08'/FT$   
 $P.C. STA. = 6+74.66$   
 $P.T. STA. = 9+95.45$

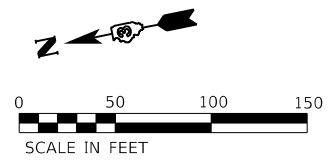
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PLOT SCALE = 200.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

ALIGNMENTS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

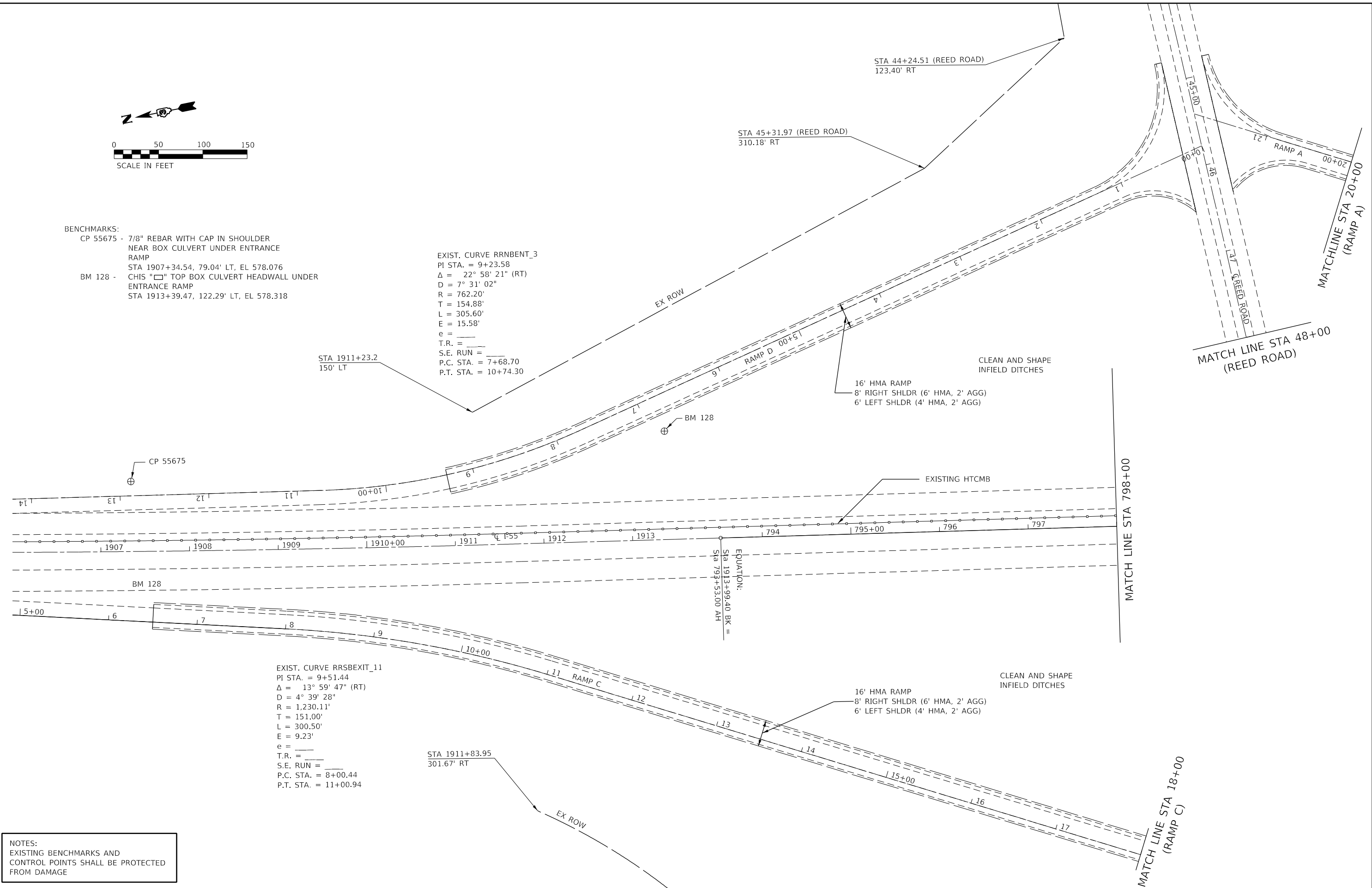
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	35
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				



BENCHMARKS:  
 CP 55675 - 7/8" REBAR WITH CAP IN SHOULDER  
 NEAR BOX CULVERT UNDER ENTRANCE  
 RAMP  
 STA 1907+34.54, 79.04' LT, EL 578.076  
 BM 128 - CHIS "□" TOP BOX CULVERT HEADWALL UNDER  
 ENTRANCE RAMP  
 STA 1913+39.47, 122.29' LT, EL 578.318

EXIST. CURVE RRNBENT\_3  
 PI STA. = 9+23.58  
 $\Delta = 22^\circ 58' 21''$  (RT)  
 $D = 7^\circ 31' 02''$   
 $R = 762.20'$   
 $T = 154.88'$   
 $L = 305.60'$   
 $E = 15.58'$   
 $e = \text{---}$   
 $T.R. = \text{---}$   
 $S.E. RUN = \text{---}$   
 $P.C. STA. = 7+68.70$   
 $P.T. STA. = 10+74.30$

EXIST. CURVE RRSBEXIT\_11  
 PI STA. = 9+51.44  
 $\Delta = 13^\circ 59' 47''$  (RT)  
 $D = 4^\circ 39' 28''$   
 $R = 1,230.11'$   
 $T = 151.00'$   
 $L = 300.50'$   
 $E = 9.23'$   
 $e = \text{---}$   
 $T.R. = \text{---}$   
 $S.E. RUN = \text{---}$   
 $P.C. STA. = 8+00.44$   
 $P.T. STA. = 11+00.94$



NOTES:  
 EXISTING BENCHMARKS AND  
 CONTROL POINTS SHALL BE PROTECTED  
 FROM DAMAGE

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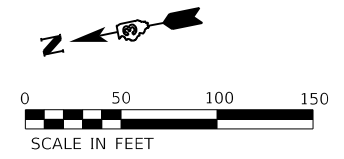
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PLOT DATE = 10/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET OF SHEETS		STA. 1906+00	TO STA. 798+00
		55	(32-1)RS-4	GRUNDY	CONTRACT NO. 66A51

**PLAN SHEETS**

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	36
ILLINOIS FED. AID PROJECT				



EXIST. CURVE RRNBEXIT\_11  
 PI STA. = 9+51.89  
 $\Delta$  = 9° 34' 19" (RT)  
 D = 3° 10' 37"  
 R = 1,803.48'  
 T = 151.00'  
 L = 301.30'  
 E = 6.31'  
 e = \_\_\_\_\_  
 T.R. = \_\_\_\_\_  
 S.E. RUN = \_\_\_\_\_  
 P.C. STA. = 8+00.89  
 P.T. STA. = 11+02.19

EXIST. CURVE RRSBENT\_3  
 PI STA. = 9+31.88  
 $\Delta$  = 25° 34' 06" (RT)  
 D = 7° 30' 58"  
 R = 762.31'  
 T = 172.97'  
 L = 340.18'  
 E = 19.38'  
 e = \_\_\_\_\_  
 T.R. = \_\_\_\_\_  
 S.E. RUN = \_\_\_\_\_  
 P.C. STA. = 7+58.91  
 P.T. STA. = 10+99.09

MATCH LINE STA 20+00  
(RAMP A)

MATCH LINE STA 48+00  
(REED ROAD)

MATCH LINE STA 798+00

MATCH LINE STA 18+00  
(RAMP C)

MATCH LINE STA 812+00

CLEAN AND SHAPE  
INFIELD DITCHES

16' HMA RAMP  
8' RIGHT SHLDR  
6' LEFT SHLDR

IMPACT ATTENUATOR  
NON REDIRECTIVE

EXISTING HTCMB

I-55 NB

I-55 SB

CLEAN AND SHAPE  
INFIELD DITCHES

16' HMA RAMP  
8' RIGHT SHLDR (6' HMA, 2' AGG)  
6' LEFT SHLDR (4' HMA, 2' AGG)

STA 809+45.71  
150' RT

STA 801+47.2  
492.04' RT

STA 804+0.07  
397.47' RT

STA 799+94.41  
SN 032-0091

EXIST BUTT JOINT  
STA 799+10

NOTES:  
EXISTING BENCHMARKS AND  
CONTROL POINTS SHALL BE PROTECTED  
FROM DAMAGE

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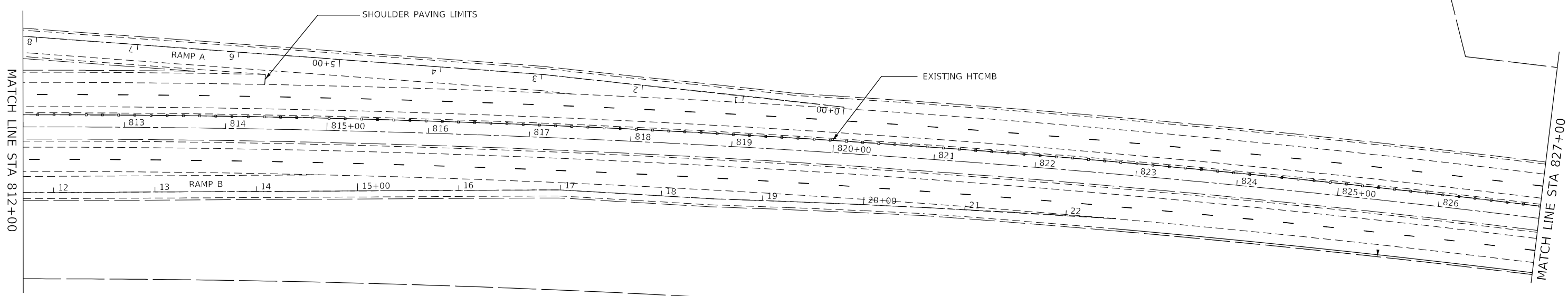
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PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

SCALE: SHEET OF SHEETS STA. 798+00 TO STA. 812+00

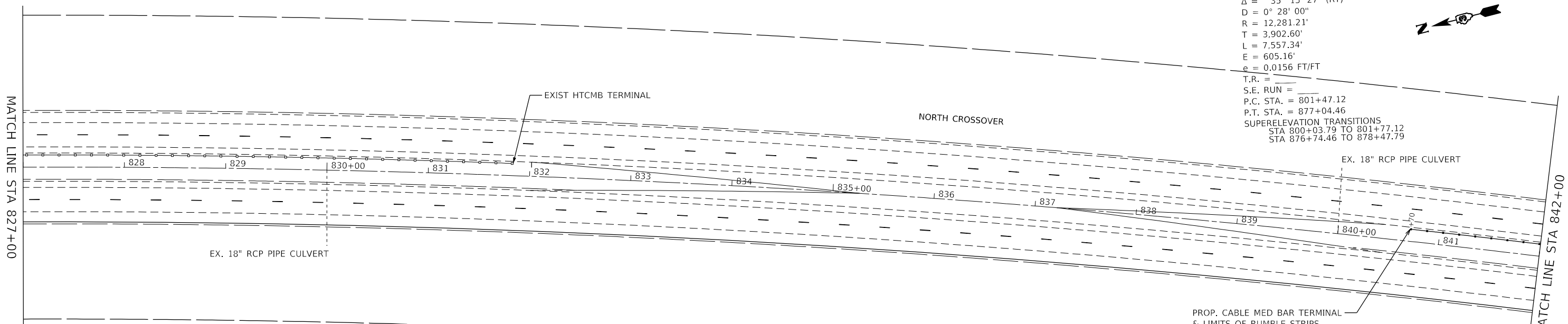
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55	(32-1)RS-4	GRUNDY	154	37
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				



BENCHMARKS:  
 BM 122 - CHIS X TOP NW BOLT LIGHT BASE  
 STA 820+08.50, 110.22' LT, EL 579.391



EXIST. CURVE N155.8  
 P.I. STA. = 840+49.72  
 $\Delta = 35^\circ 15' 27''$  (RT)  
 $D = 0^\circ 28' 00''$   
 $R = 12,281.21'$   
 $T = 3,902.60'$   
 $L = 7,557.34'$   
 $E = 605.16'$   
 $e = 0.0156$  FT/FT  
 T.R. = \_\_\_\_\_  
 S.E. RUN = \_\_\_\_\_  
 P.C. STA. = 801+47.12  
 P.T. STA. = 877+04.46  
 SUPERELEVATION TRANSITIONS  
 STA 800+03.79 TO 801+77.12  
 STA 876+74.46 TO 878+47.79



BENCHMARKS:  
 CP 55570 - PK NAIL SE QUADRANT MEDIAN  
 CROSSOVER  
 STA 837+98.24, 12.73' LT, EL 581.827  
 BM 117 - CUT "□" TOP 15" RCCP CULV END  
 SECTION  
 STA 840+00.43, 71.78' LT, EL 579.517

NOTES:  
 EXISTING BENCHMARKS AND  
 CONTROL POINTS SHALL BE PROTECTED  
 FROM DAMAGE

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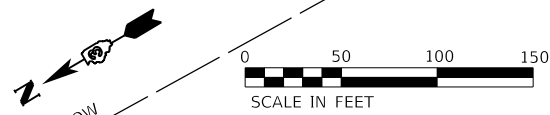
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	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

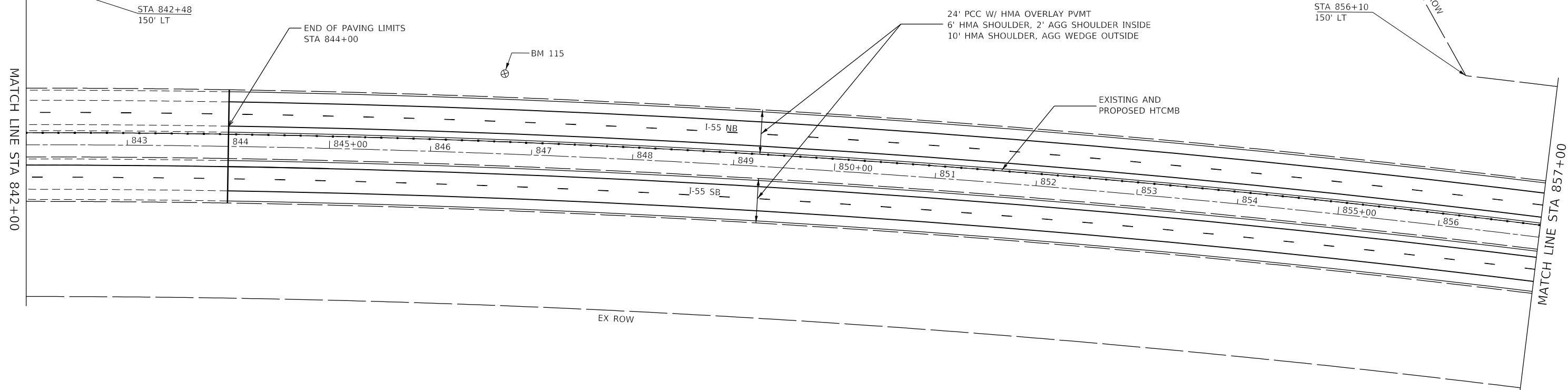
**PLAN SHEETS**

SCALE: SHEET OF SHEETS STA. 842+00 TO STA. 872+00

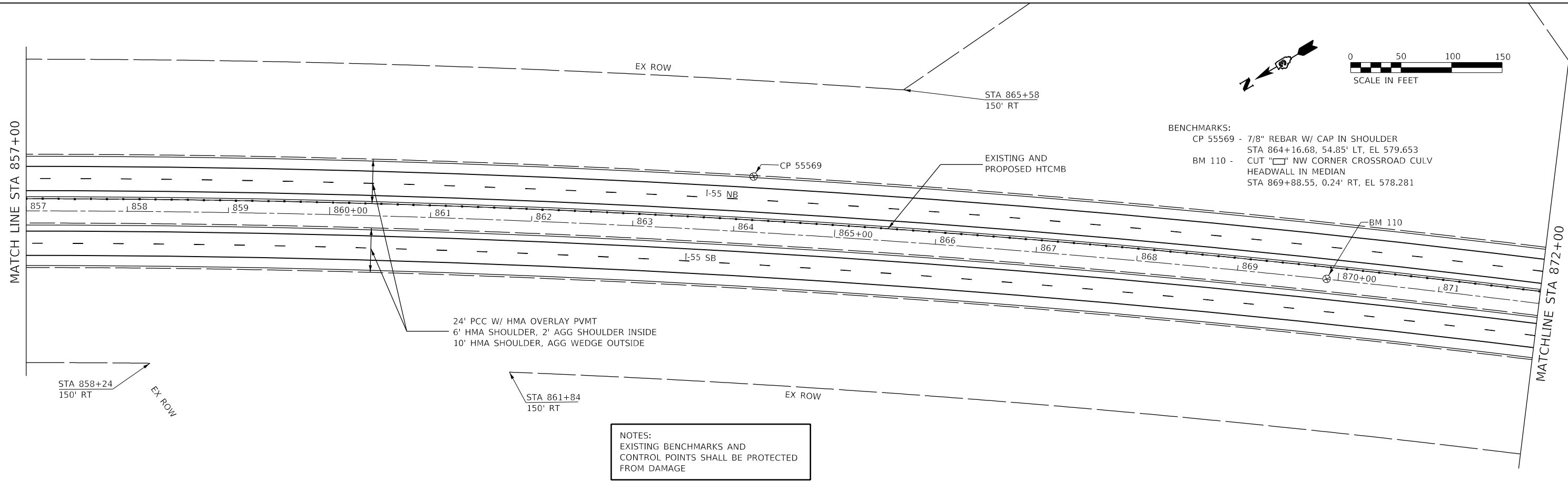
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	38
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				



BENCHMARKS:  
 BM 115 - CUT "□" WEST LEG FDN OF REED ROAD/  
 BRAIDWOOD 0.5 MILE SIGN  
 STA 846+70.46, 79.22' LT, EL 579.593



BENCHMARKS:  
 CP 55569 - 7/8" REBAR W/ CAP IN SHOULDER  
 STA 864+16.68, 54.85' LT, EL 579.653  
 BM 110 - CUT "□" NW CORNER CROSSROAD CULV  
 HEADWALL IN MEDIAN  
 STA 869+88.55, 0.24' RT, EL 578.281



NOTES:  
 EXISTING BENCHMARKS AND  
 CONTROL POINTS SHALL BE PROTECTED  
 FROM DAMAGE

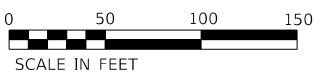
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PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

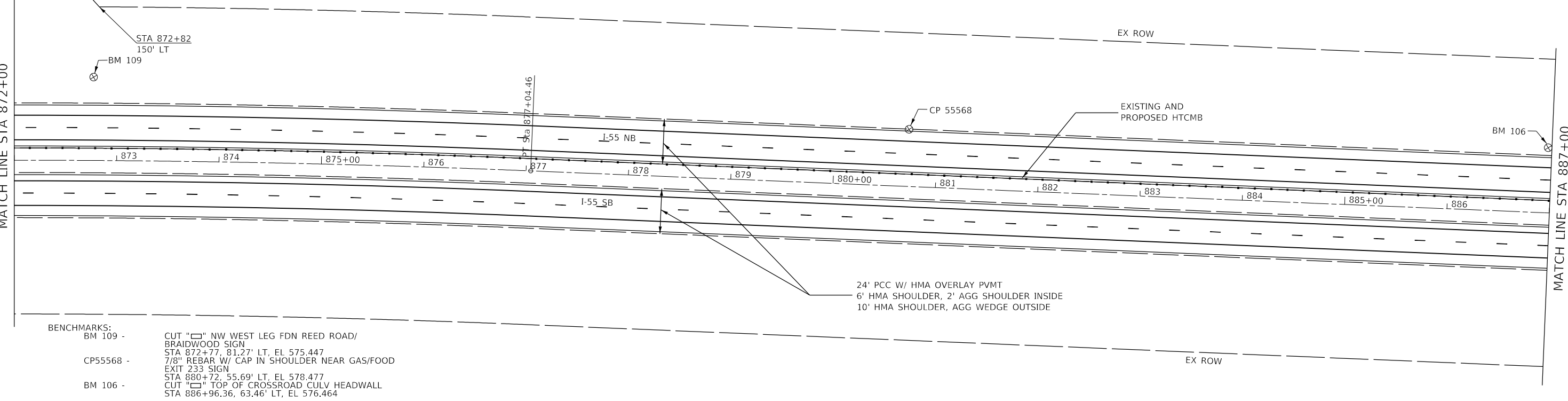
SCALE:		SHEET		OF SHEETS		STA. 842+00	TO STA. 872+00
		PLAN SHEETS					

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	39
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA 872+00

MATCH LINE STA 887+00



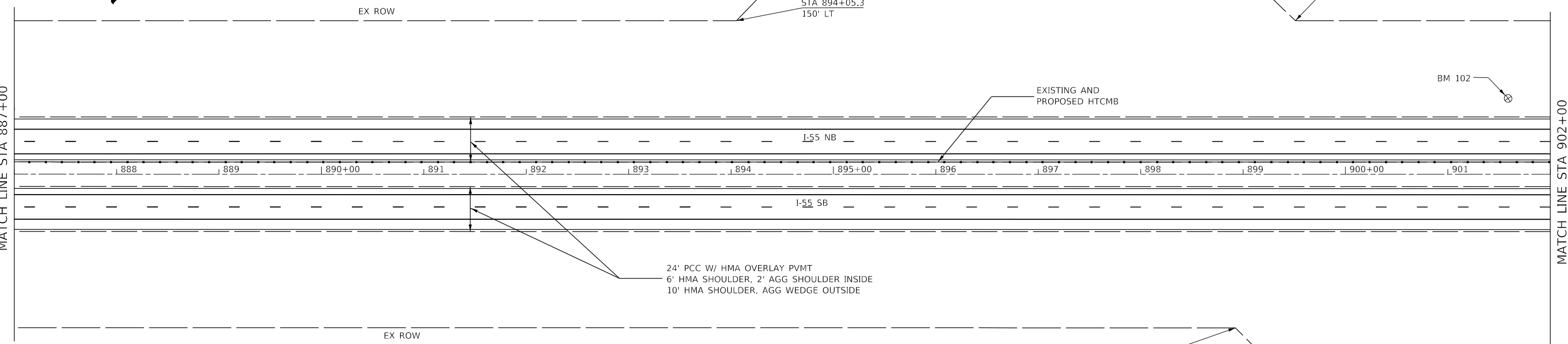
**BENCHMARKS:**  
 BM 109 - CUT "□" NW WEST LEG FDN REED ROAD/  
 BRAIDWOOD SIGN  
 STA 872+77, 81.27' LT, EL 575.447  
 CP55568 - 7/8" REBAR W/ CAP IN SHOULDER NEAR GAS/FOOD  
 EXIT 233 SIGN  
 STA 880+72, 55.69' LT, EL 578.477  
 BM 106 - CUT "□" TOP OF CROSSROAD CULV HEADWALL  
 STA 886+96.36, 63.46' LT, EL 576.464

24' PCC W/ HMA OVERLAY PVMT  
 6' HMA SHOULDER, 2' AGG SHOULDER INSIDE  
 10' HMA SHOULDER, AGG WEDGE OUTSIDE



MATCH LINE STA 887+00

MATCH LINE STA 902+00



**BENCHMARKS:**  
 BM 102 - CUT "□" TOP OF CROSSROAD  
 BOX CULVERT HEADWALL  
 STA 901+58.78, 74.05' LT, EL 578.044

**NOTES:**  
 EXISTING BENCHMARKS AND  
 CONTROL POINTS SHALL BE PROTECTED  
 FROM DAMAGE

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PLOT DATE = 10/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

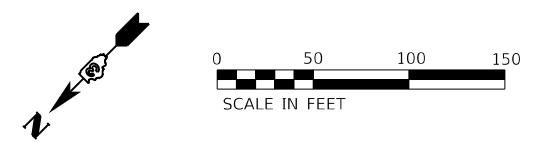
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

SCALE: SHEET OF SHEETS STA. 872+00 TO STA. 902+00

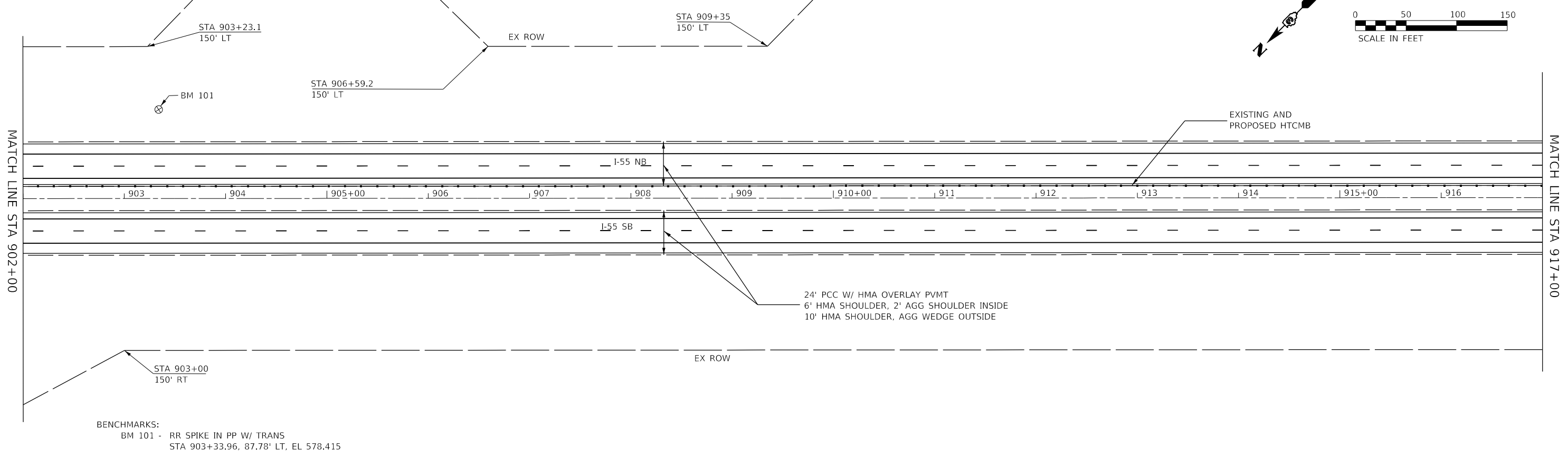
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55	(32-1)RS-4	GRUNDY	154	40
			CONTRACT NO. 66A51	
			ILLINOIS FED. AID PROJECT	





MATCH LINE STA 902+00

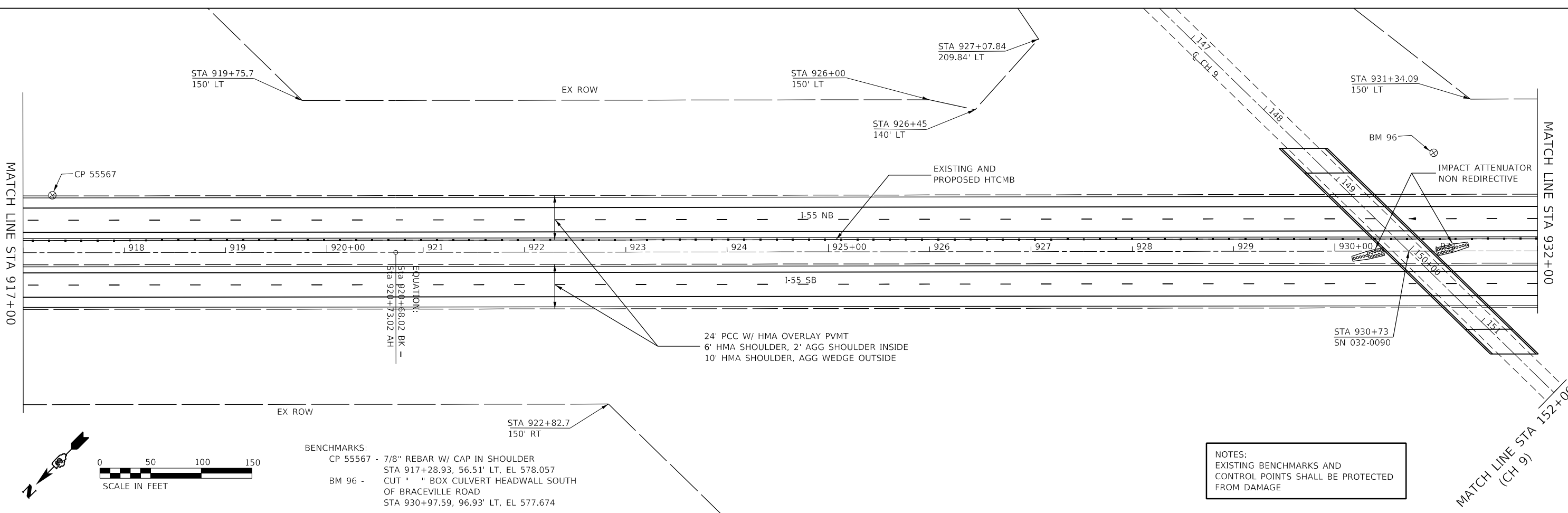
MATCH LINE STA 917+00



**BENCHMARKS:**  
 BM 101 - RR SPIKE IN PP W/ TRANS  
 STA 903+33.96, 87.78' LT, EL 578.415

MATCH LINE STA 917+00

MATCH LINE STA 932+00

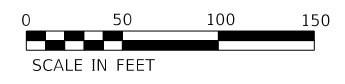


**BENCHMARKS:**  
 CP 55567 - 7/8" REBAR W/ CAP IN SHOULDER  
 STA 917+28.93, 56.51' LT, EL 578.057  
 BM 96 - " " BOX CULVERT HEADWALL SOUTH  
 OF BRACEVILLE ROAD  
 STA 930+97.59, 96.93' LT, EL 577.674

**NOTES:**  
 EXISTING BENCHMARKS AND  
 CONTROL POINTS SHALL BE PROTECTED  
 FROM DAMAGE

MATCH LINE STA 152+00  
(CH 9)

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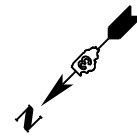
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	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

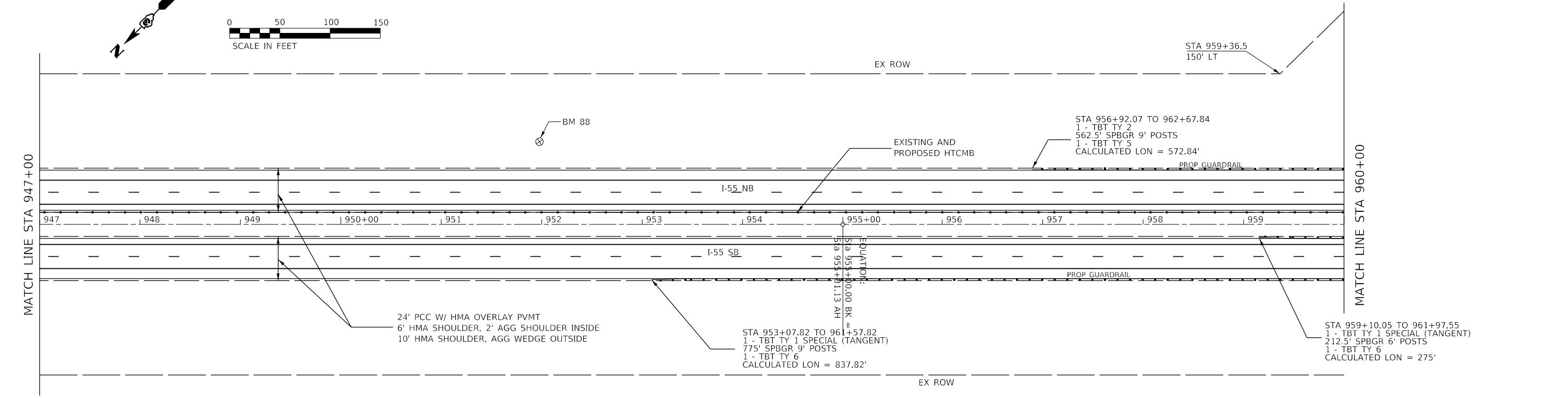
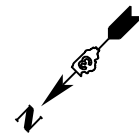
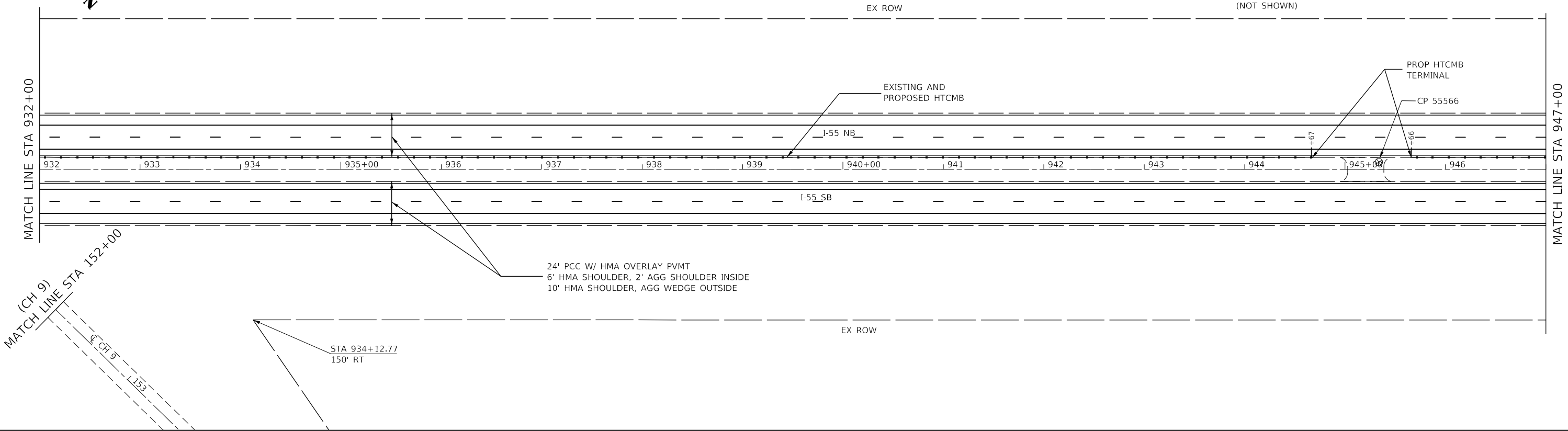
**PLAN SHEETS**

SCALE: SHEET OF SHEETS STA. 902+00 TO STA. 932+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	41
CONTRACT NO. 66A51			ILLINOIS FED. AID PROJECT	



BENCHMARKS:  
 CP 55566 - PK NAIL SE QUAD MEDIAN CROSSOVER  
 STA 945+33.65, 7.20 LT, EL 582.990  
 NGS MONUMENT - PID # MF 0304, BRASS DISK IN  
 CONCRETE AT BRACEVILLE CEMETERY  
 STA 945+61.60, 370.46' RT, EL 585.985  
 (NOT SHOWN)



NOTES:  
 EXISTING BENCHMARKS AND  
 CONTROL POINTS SHALL BE PROTECTED  
 FROM DAMAGE

BENCHMARKS:  
 BM 88 - CUT "□" TOP RCCP END SECTION  
 STA 951+97.78, 82.26' LT, EL 578.607

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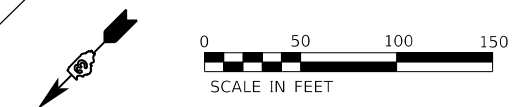
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PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

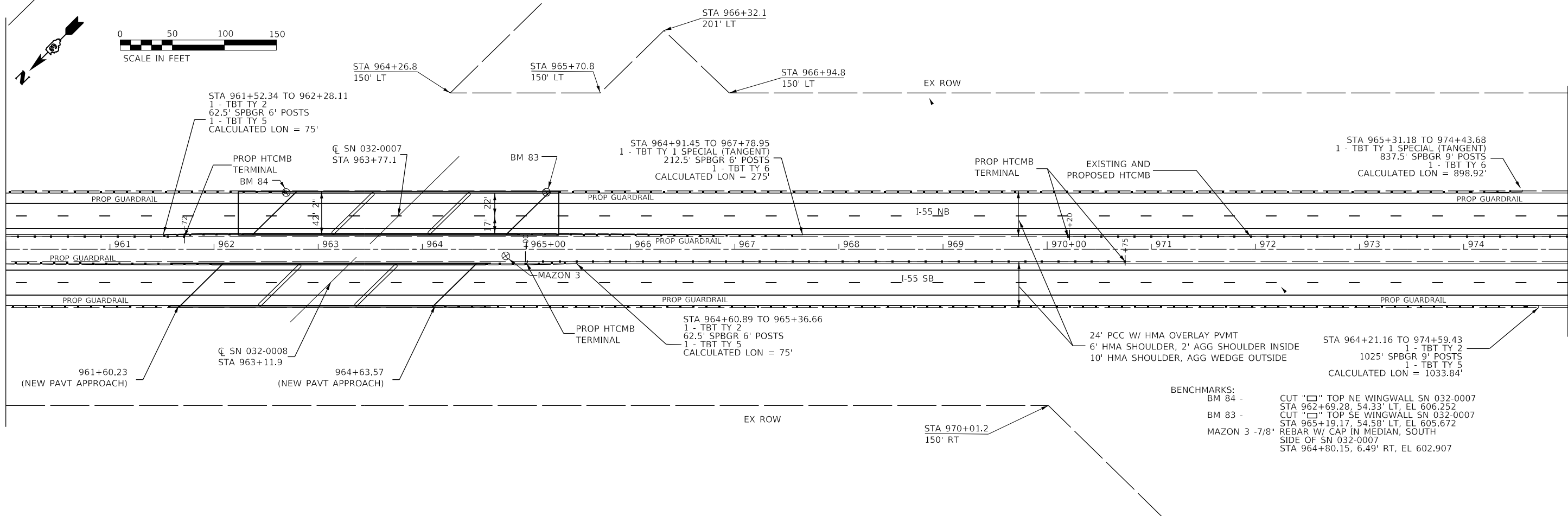
**PLAN SHEETS**

SCALE: SHEET OF SHEETS STA. 932+00 TO STA. 960+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	42
CONTRACT NO. 66A51			ILLINOIS FED. AID PROJECT	



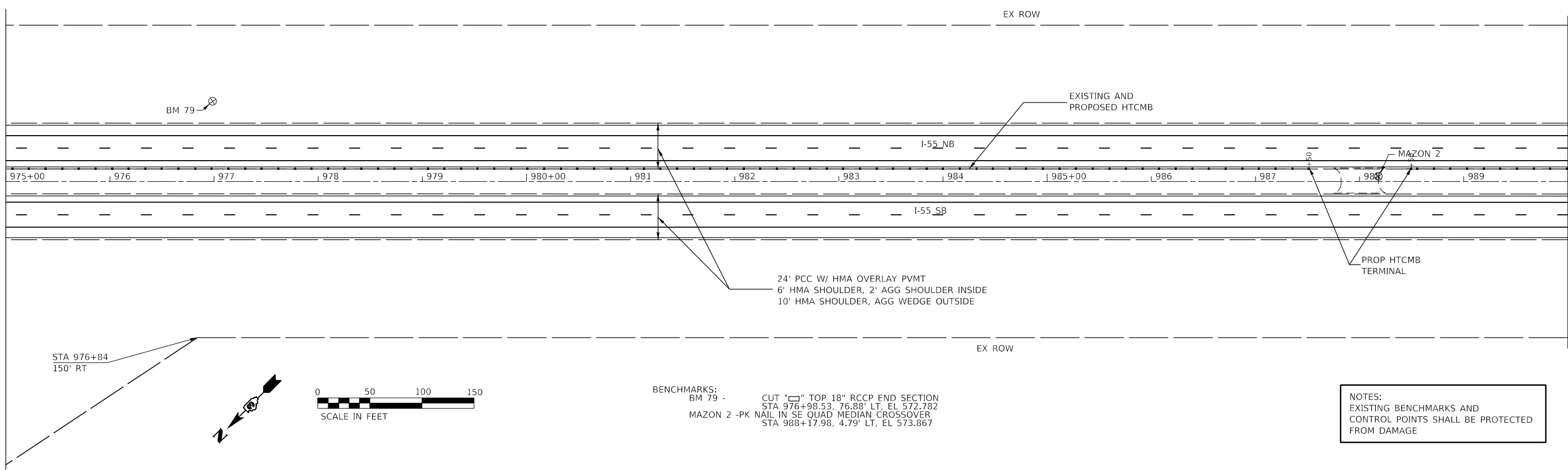
MATCH LINE STA 960+00



MATCH LINE STA 975+00

**BENCHMARKS:**  
 BM 84 - CUT "□" TOP NE WINGWALL SN 032-0007 STA 962+69.28, 54.33' LT, EL 606.252  
 BM 83 - CUT "□" TOP SE WINGWALL SN 032-0007 STA 965+19.17, 54.58' LT, EL 605.672  
 MAZON 3 -7/8" REBAR W/ CAP IN MEDIAN, SOUTH SIDE OF SN 032-0007 STA 964+80.15, 6.49' RT, EL 602.907

MATCH LINE STA 975+00



MATCH LINE STA 990+00

**BENCHMARKS:**  
 BM 79 - CUT "□" TOP 18" RCCP END SECTION STA 976+98.53, 76.88' LT, EL 572.782  
 MAZON 2 -PK NAIL IN SE QUAD MEDIAN CROSSOVER STA 988+17.98, 4.79' LT, EL 573.867

**NOTES:**  
 EXISTING BENCHMARKS AND CONTROL POINTS SHALL BE PROTECTED FROM DAMAGE

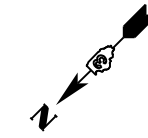
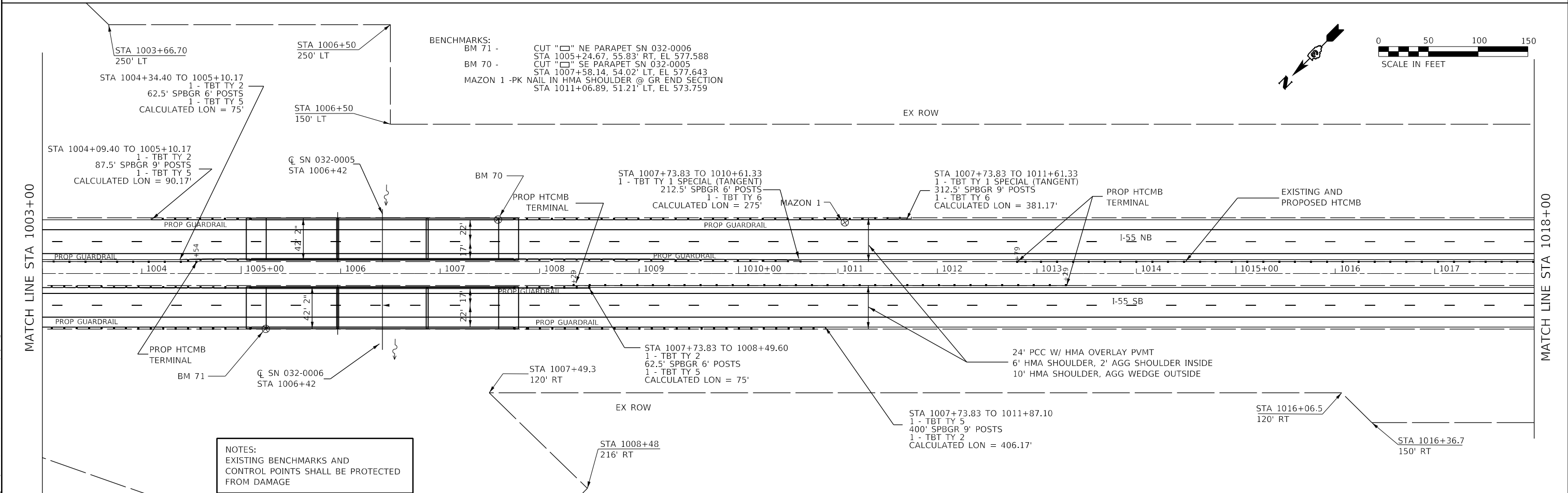
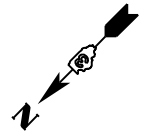
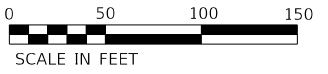
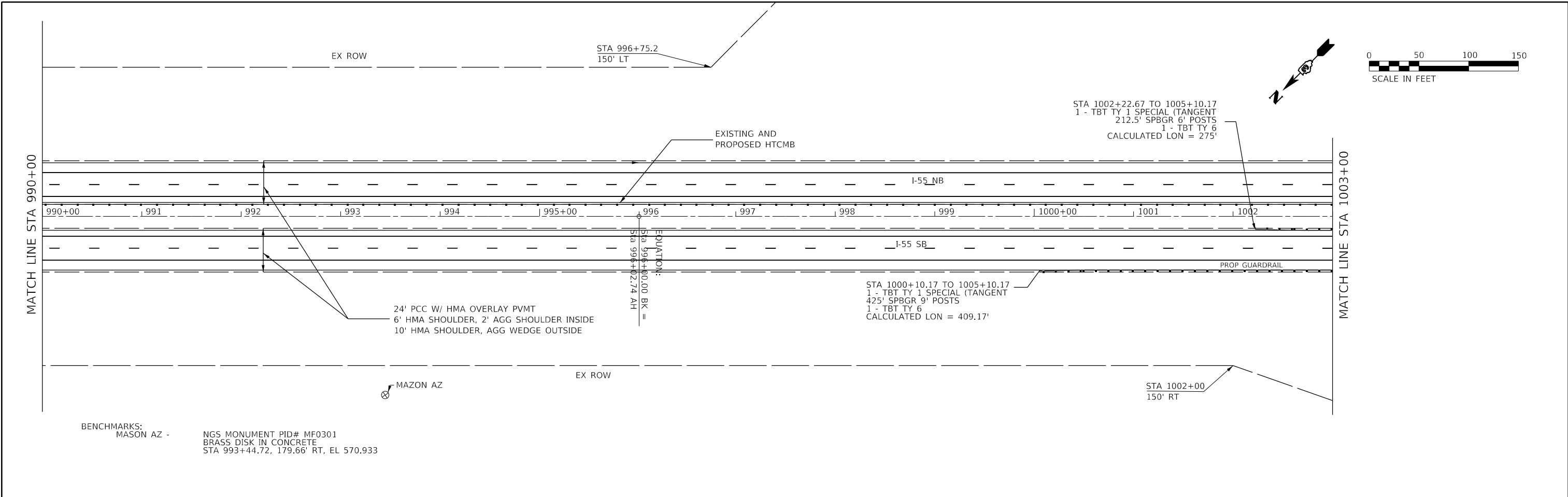
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PLOT DATE = 10/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>PLAN SHEETS</b>			
SCALE:	SHEET	OF	SHEETS
			STA. 960+00 TO STA. 990+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	43
			CONTRACT NO. 66A51	
		ILLINOIS	FED. AID PROJECT	



NOTES:  
EXISTING BENCHMARKS AND CONTROL POINTS SHALL BE PROTECTED FROM DAMAGE

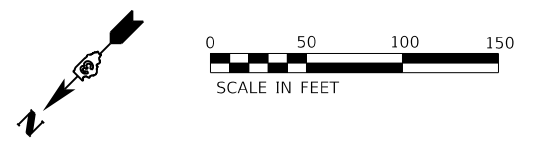
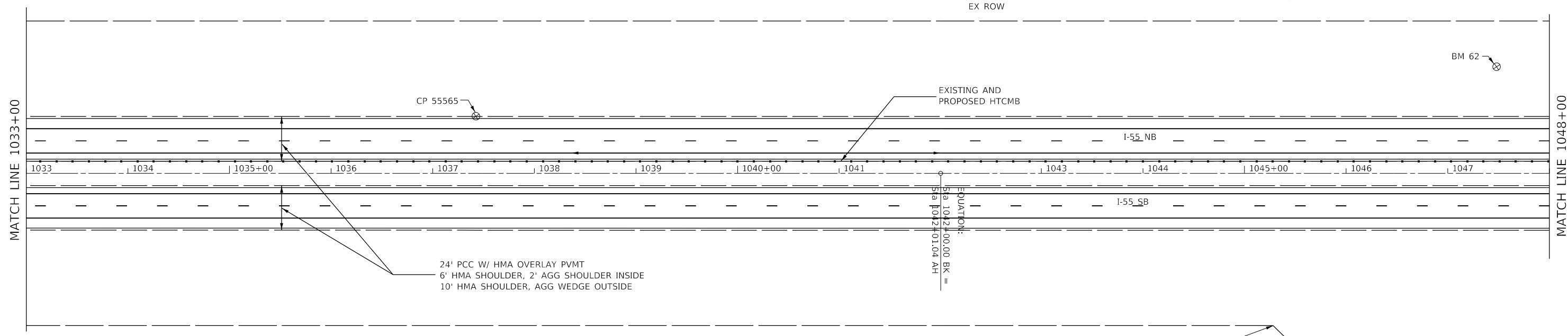
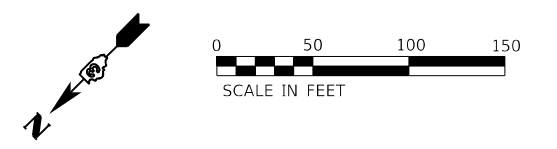
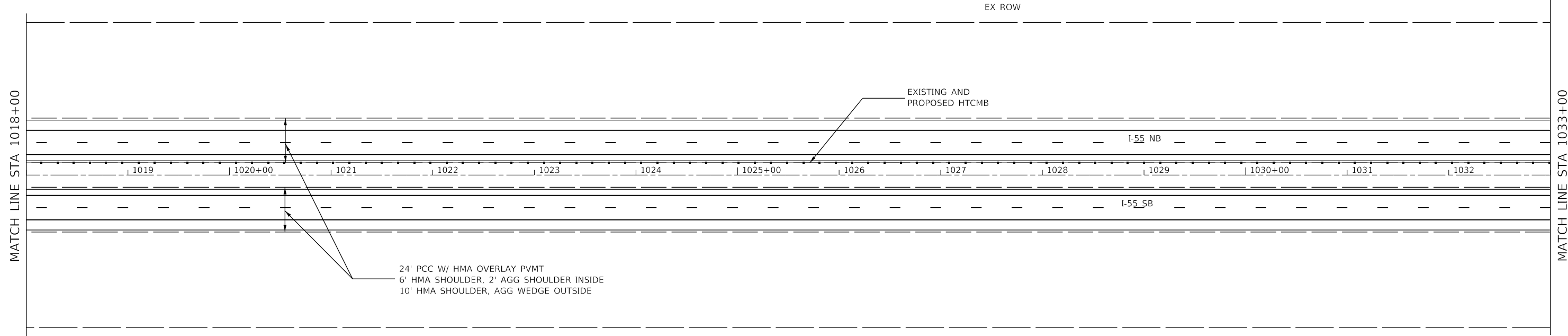
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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PLAN SHEETS</b>			
SCALE:	SHEET	OF SHEETS	STA. 990+00 TO STA. 1018+00

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	44
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				



**BENCHMARKS:**  
 CP 55565 - 7/8" REBAR W/ CAP IN SHOULDER  
 STA 1037+42.50, 56.11' LT, EL 573.954  
 BM 62 - CUT " " NW CORNER HEADWALL 18" CMP  
 STA 1047+48.04, 104.86' LT, EL 572.904

**NOTES:**  
 EXISTING BENCHMARKS AND  
 CONTROL POINTS SHALL BE PROTECTED  
 FROM DAMAGE

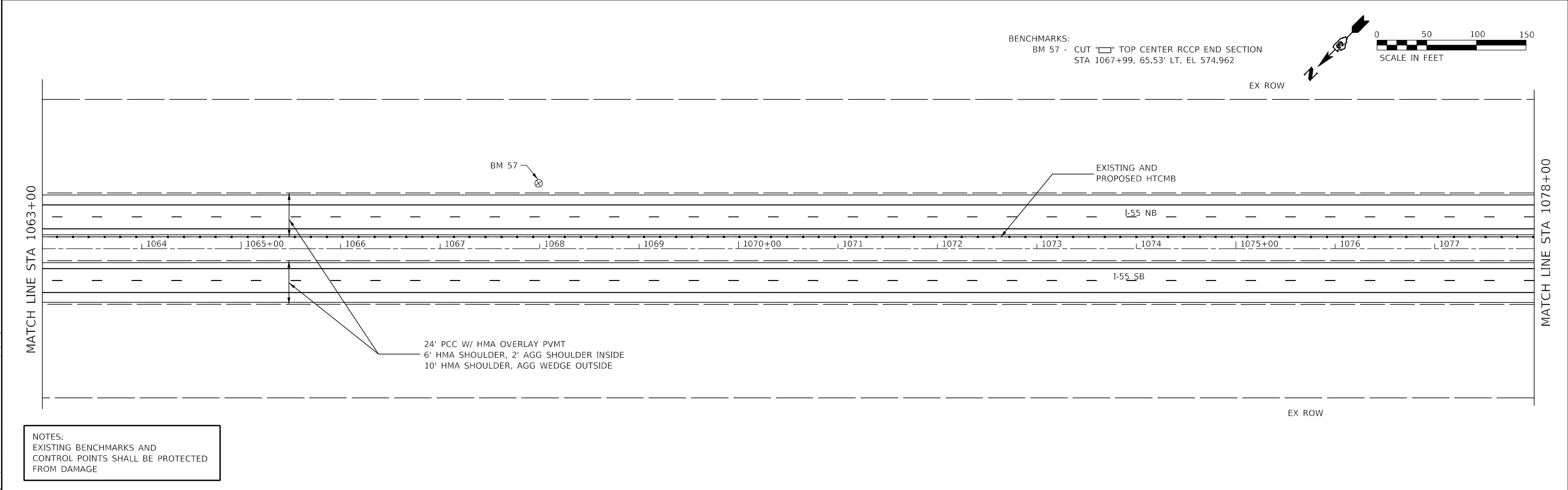
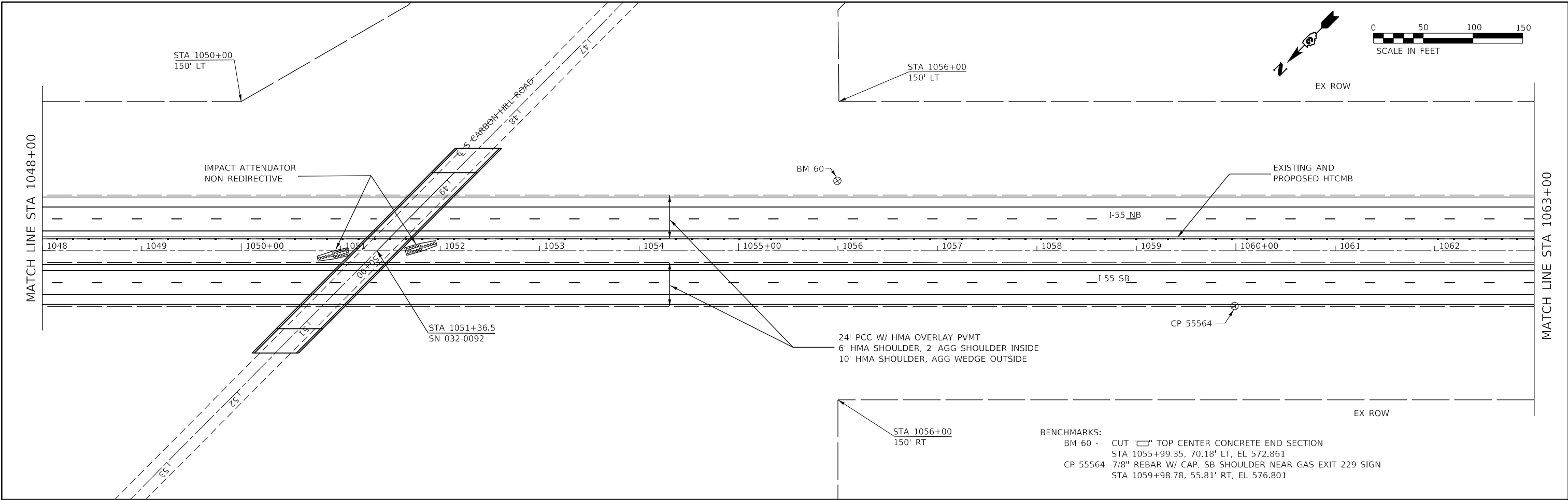
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PLOT DATE = 10/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>PLAN SHEETS</b>	
SCALE:	SHEET OF SHEETS STA. 1018+00 TO STA. 1048+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	45
CONTRACT NO. 66A51			ILLINOIS FED. AID PROJECT	



NOTES:  
EXISTING BENCHMARKS AND  
CONTROL POINTS SHALL BE PROTECTED  
FROM DAMAGE

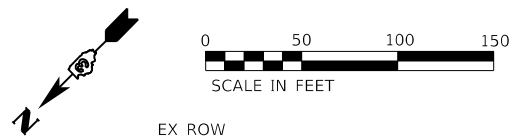
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

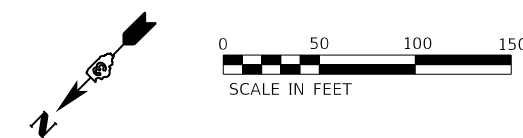
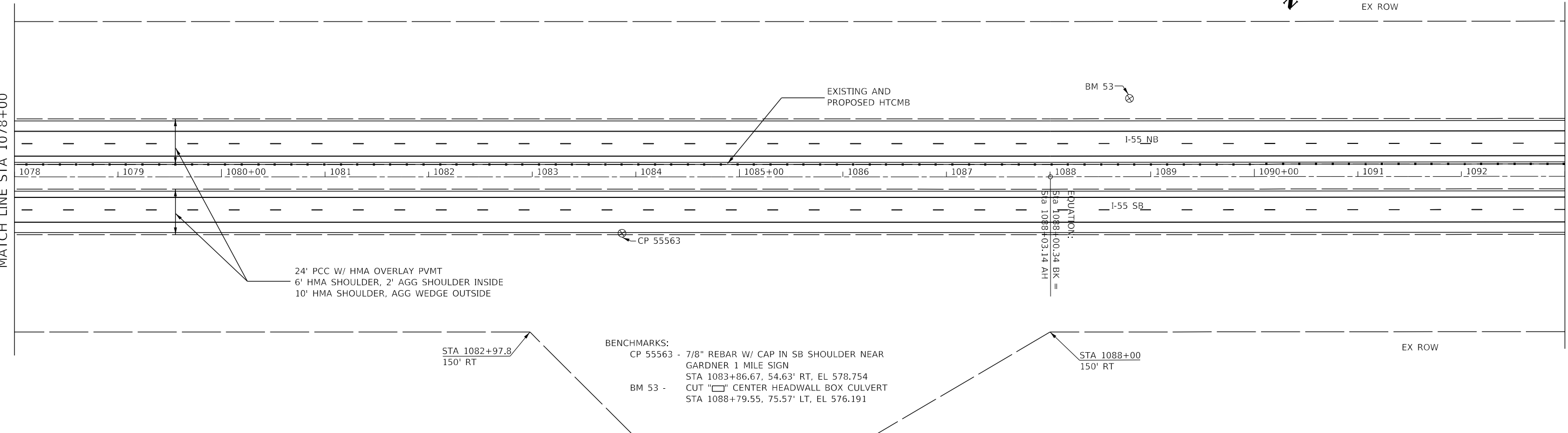
<b>PLAN SHEETS</b>		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		55	(32-1)RS-4	GRUNDY	154	46
SCALE:	SHEET OF SHEETS	STA. 1048+00	TO STA. 1078+00	ILLINOIS FED. AID PROJECT		

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	46
CONTRACT NO. 66A51				



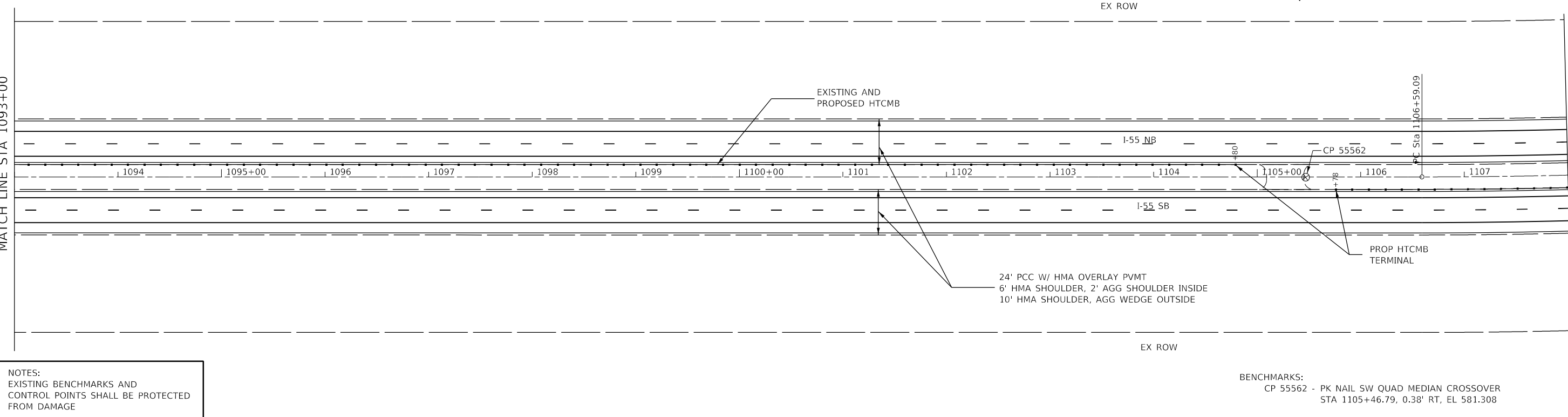
MATCH LINE STA 1078+00

MATCH LINE STA 1093+00



MATCH LINE STA 1093+00

MATCH LINE STA 1108+00



**NOTES:**  
EXISTING BENCHMARKS AND CONTROL POINTS SHALL BE PROTECTED FROM DAMAGE

**BENCHMARKS:**  
CP 55562 - PK NAIL SW QUAD MEDIAN CROSSOVER  
STA 1105+46.79, 0.38' RT, EL 581.308

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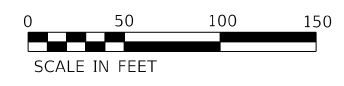
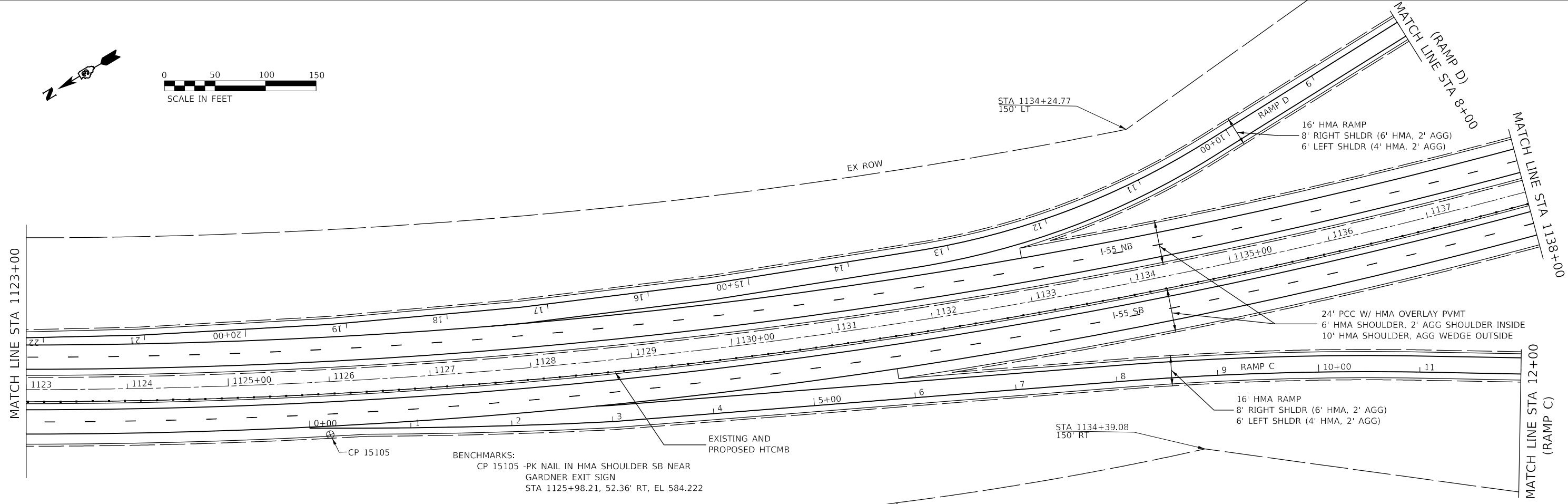
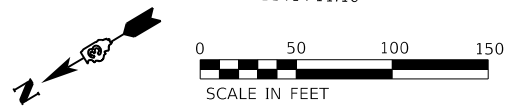
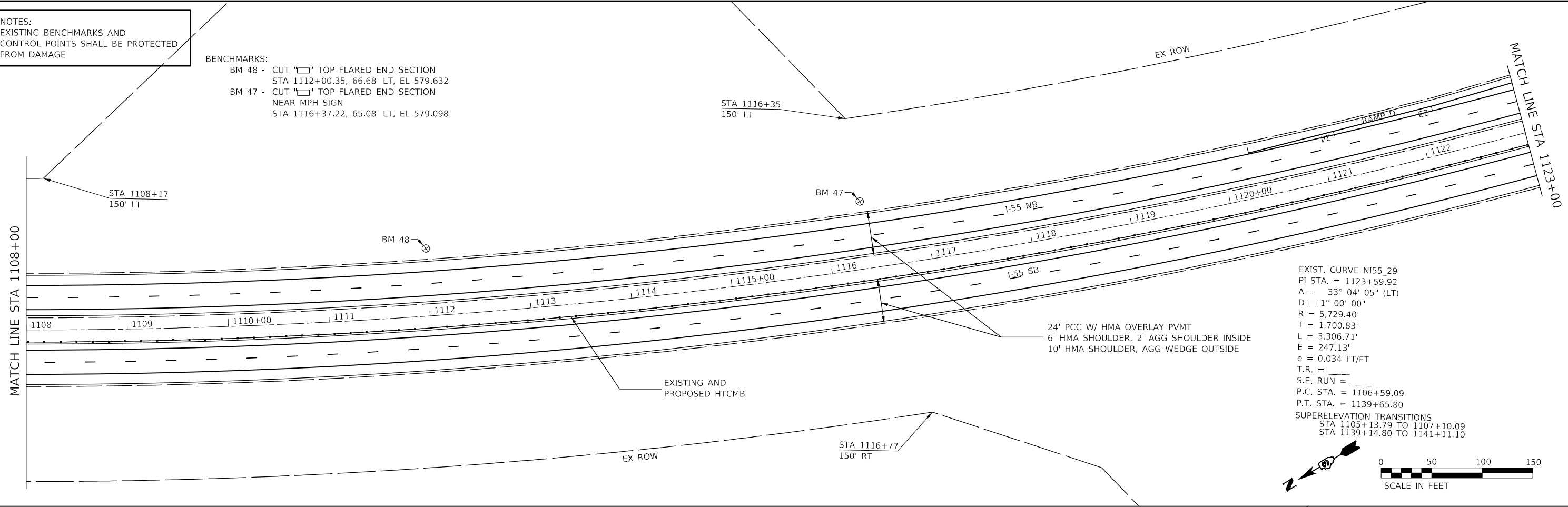
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PLAN SHEETS</b>	
SCALE:	SHEET OF SHEETS STA. 1078+00 TO STA. 1108+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	47
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				

NOTES:  
EXISTING BENCHMARKS AND  
CONTROL POINTS SHALL BE PROTECTED  
FROM DAMAGE

BENCHMARKS:  
BM 48 - CUT "□" TOP FLARED END SECTION  
STA 1112+00.35, 66.68' LT, EL 579.632  
BM 47 - CUT "□" TOP FLARED END SECTION  
NEAR MPH SIGN  
STA 1116+37.22, 65.08' LT, EL 579.098



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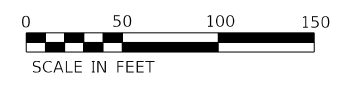
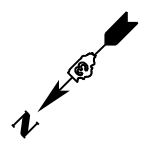
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

SCALE: SHEET OF SHEETS STA. 1108+00 TO STA. 1138+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	48
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				





NOTES:  
EXISTING BENCHMARKS AND  
CONTROL POINTS SHALL BE PROTECTED  
FROM DAMAGE

STA 106+65.01  
145° RT  
GARDNER ROAD CL

16' HMA RAMP  
8' RIGHT SHLDR (6' HMA, 2' AGG)  
6' LEFT SHLDR (4' HMA, 2' AGG)

16' HMA RAMP  
8' RIGHT SHLDR (6' HMA, 2' AGG)  
6' LEFT SHLDR (4' HMA, 2' AGG)

IMPACT ATTENUATOR  
NON REDIRECTIVE

EXISTING AND  
PROPOSED HTCMB

STA 1145+87.70  
SN032-0093

24' PCC W/ HMA OVERLAY PVMT  
6' HMA SHOULDER, 2' AGG SHOULDER INSIDE  
10' HMA SHOULDER, AGG WEDGE OUTSIDE

16' HMA RAMP  
8' RIGHT SHLDR (6' HMA, 2' AGG)  
6' LEFT SHLDR (4' HMA, 2' AGG)

16' HMA RAMP  
8' RIGHT SHLDR (6' HMA, 2' AGG)  
6' LEFT SHLDR (4' HMA, 2' AGG)

STA 116+86.88  
145.03° LT  
GARDNER ROAD CL

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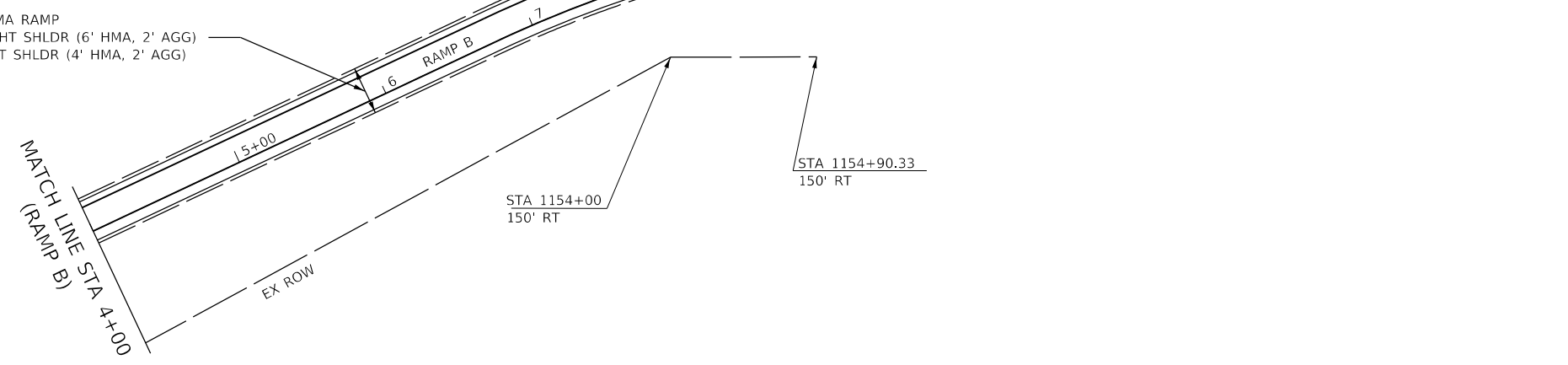
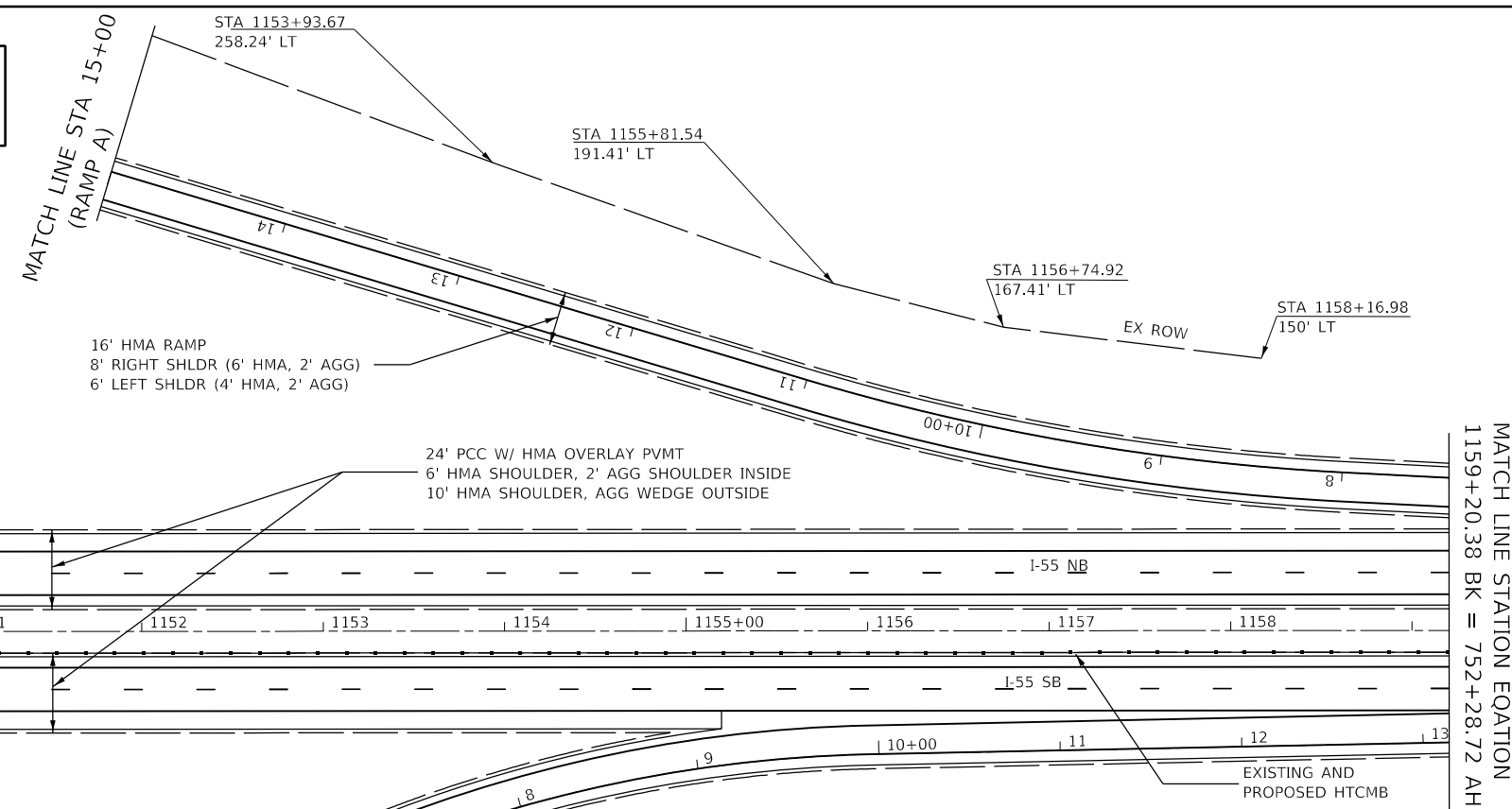
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

SCALE: SHEET OF SHEETS STA. 1138+00 TO STA. 1151+00

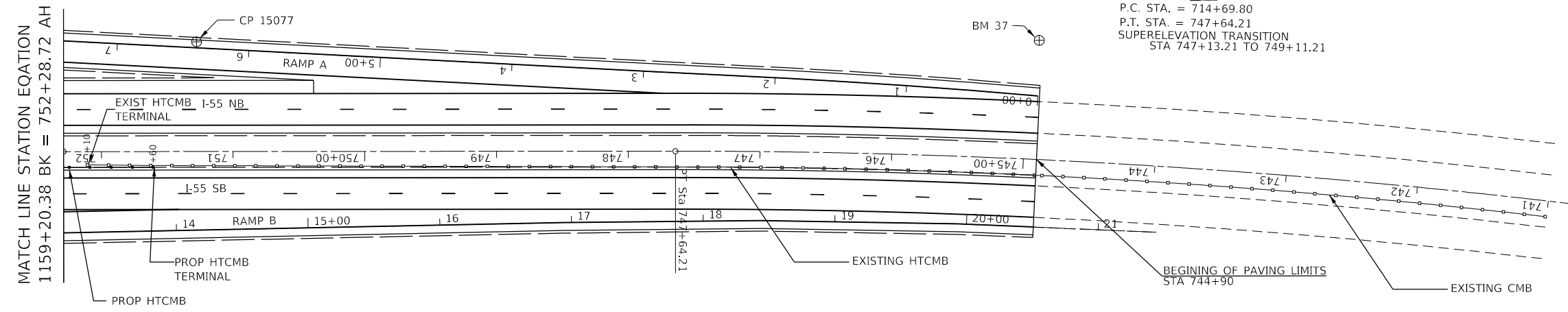
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55	(32-1)RS-4	GRUNDY	154	49
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				

NOTES:  
EXISTING BENCHMARKS AND  
CONTROL POINTS SHALL BE PROTECTED  
FROM DAMAGE



BENCHMARKS:  
CP 15077 - PK NAIL IN HMA SHOULDER  
NB EXIT 277 RAMP  
STA 751+27.72, 83.32' RT, EL 590.610  
BM 37 - " " E LEF FDN GARDNER EXIT  
227 SIGN  
STA 744+92.20, 90.47' RT, EL 588.561

EXIST. CURVE SI55\_1  
PI STA. = 731+63.97  
 $\Delta = 32^\circ 57' 16''$  (LT)  
D = 1° 00' 01"  
R = 5,727.76'  
T = 1,694.17'  
L = 3,294.41'  
E = 245.30'  
e = 0.033 FT/FT  
T.R. = \_\_\_\_\_  
S.E. RUN = \_\_\_\_\_  
P.C. STA. = 714+69.80  
P.T. STA. = 747+64.21  
SUPERELEVATION TRANSITION  
STA 747+13.21 TO 749+11.21



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

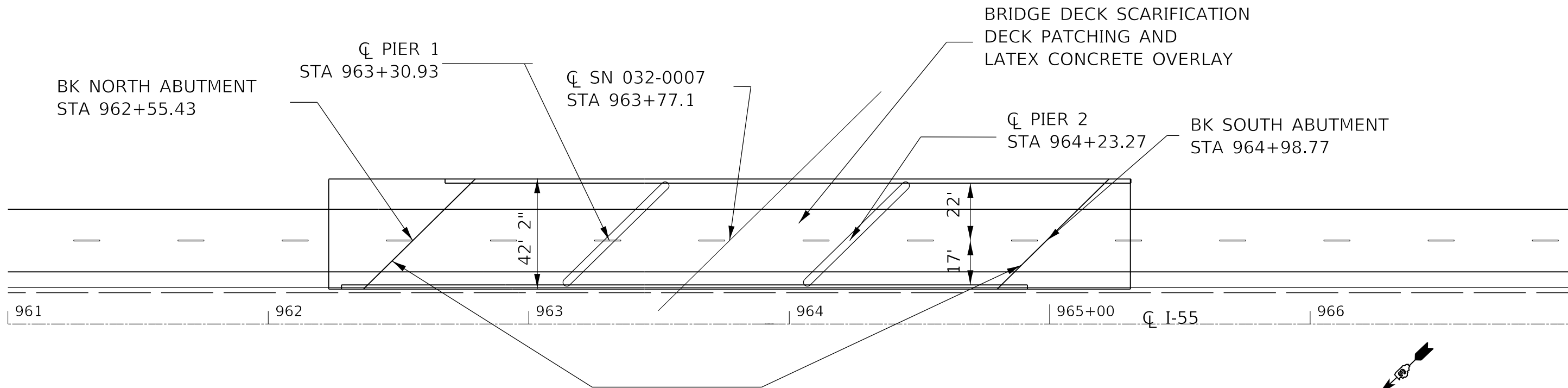
SCALE: SHEET OF SHEETS STA. 1151+00 TO STA. 744+90

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	50
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				

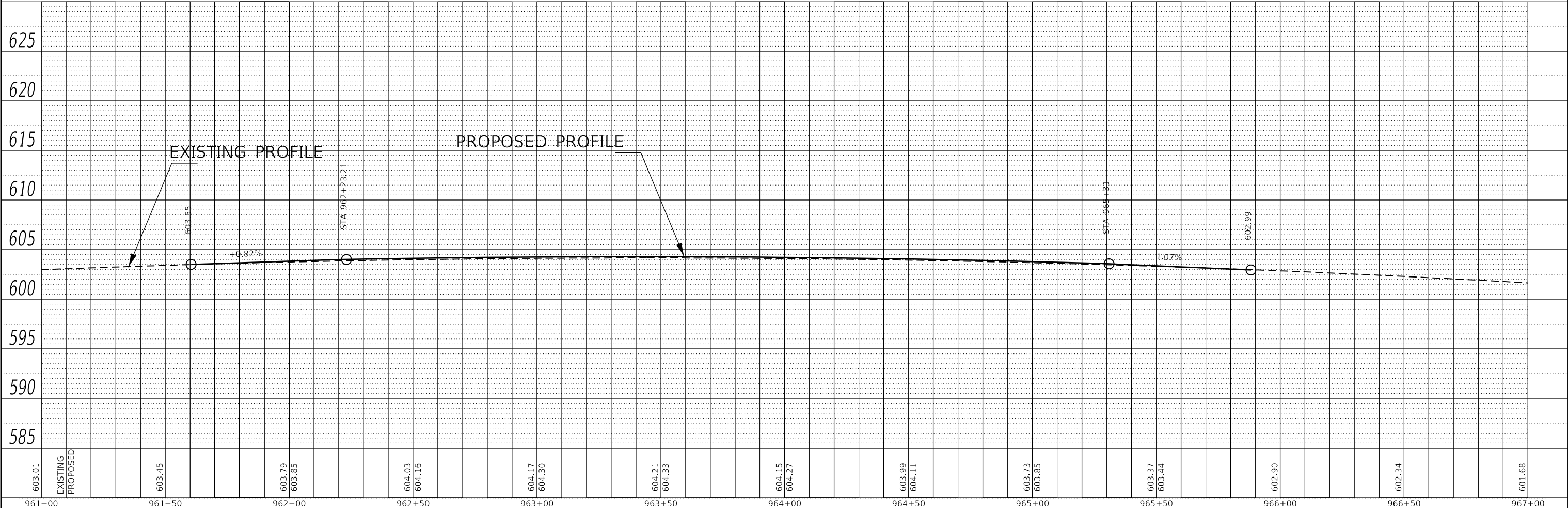
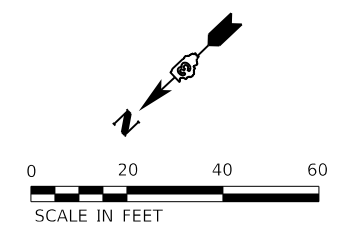
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	PLOTTED	BY
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	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
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	NOTE BOOK NO.	
	FILE NAME	

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REMOVAL AND REPLACEMENT OF EXPANSION JOINTS

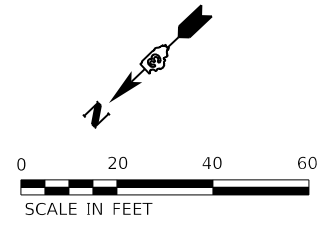


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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PLAN AND PROFILE</b>	
<b>032-0007</b>	
SCALE:	SHEET OF SHEETS STA. TO STA.

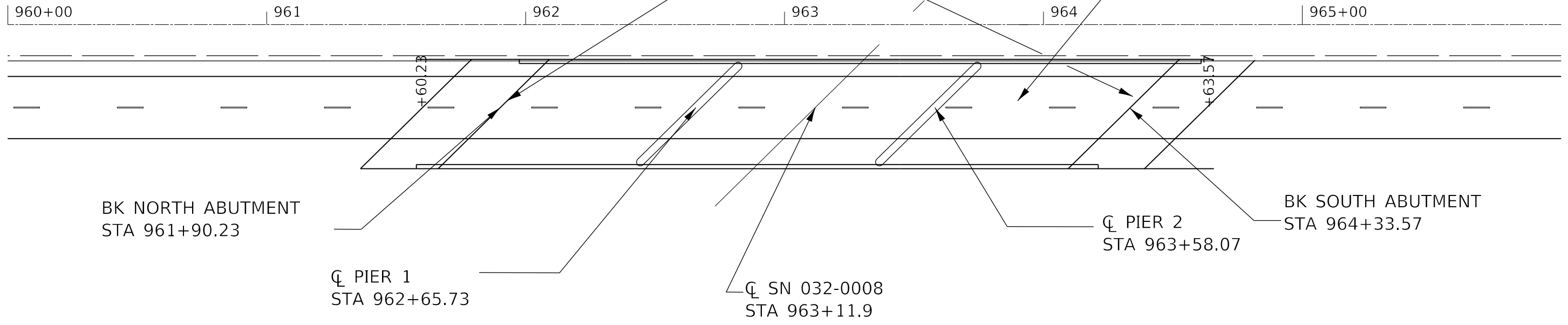
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CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				



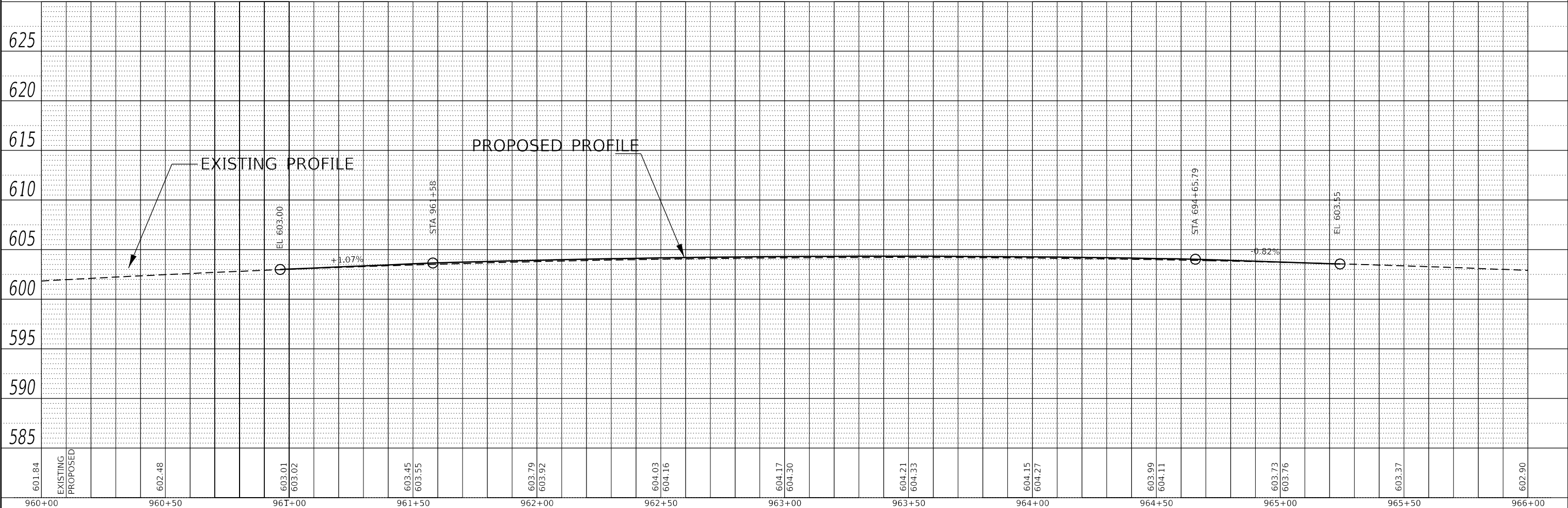
REMOVAL AND REPLACEMENT  
OF EXPANSION JOINTS

BRIDGE DECK SCARIFICATION  
BRIDGE APPROACH RECONSTRUCTION (30')  
AND PCC CONNECTORS (SEE STRUCTURE  
PLANS)

DATE	
BY	
SURVEYED	
PLOTTED	
ALIGNMENT CHECKED	
GRADES CHECKED	
NOTE BOOK NO.	
STRUCTURE NOTARIS CHD	
FILE NAME	



DATE	
BY	
SURVEYED	
PLOTTED	
GRADES CHECKED	
NOTE BOOK NO.	
STRUCTURE NOTARIS CHD	
FILE NAME	



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PLOT DATE = 10/22/2019	DATE -	REVISD -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>PLAN AND PROFILE</b>	
<b>032-0008</b>	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	52
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

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

Q SN 032-0005  
STA 1006+42

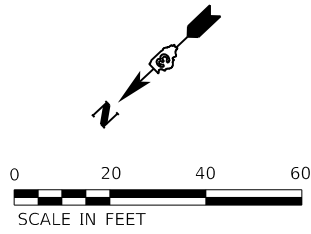
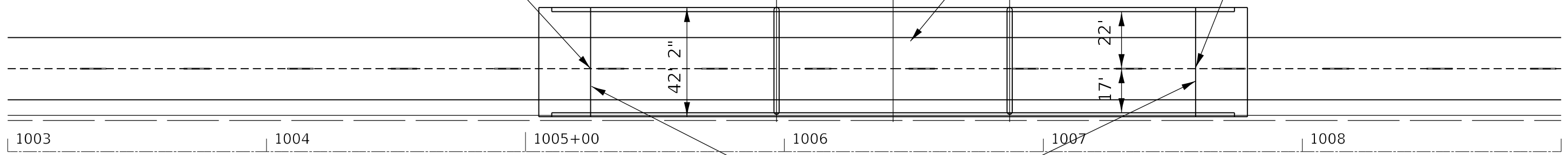
BRIDGE DECK SCARIFICATION  
DECK PATCHING AND  
LATEX CONCRETE OVERLAY

BK NORTH ABUTMENT  
STA 1005+25.17

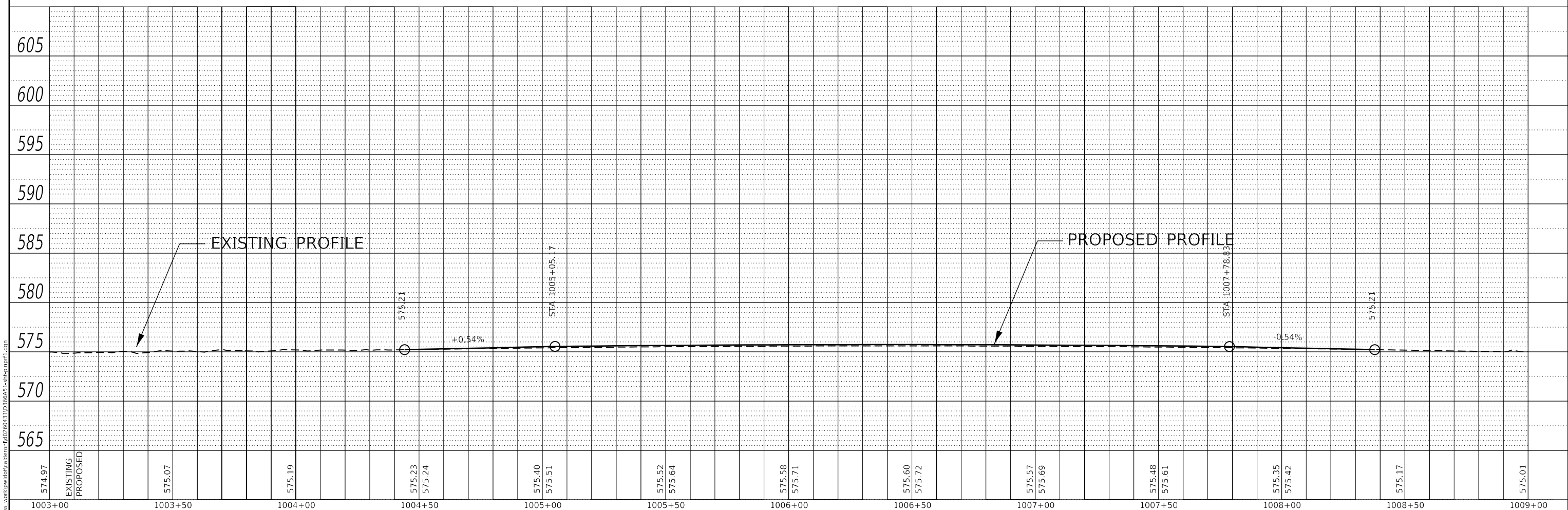
Q PIER 1  
STA 1005+97

Q PIER 2  
STA 1006+87

BK SOUTH ABUTMENT  
STA 1007+58.83



REMOVAL AND REPLACEMENT  
OF EXPANSION JOINTS



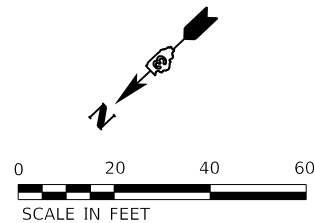
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FILE NAME: c:\pwworking\pwworking\calderon\10060431\10060431-sh-2101.rvt

USER NAME = calderon	DESIGNED -	REvised -
	DRAWN -	REvised -
PLOT SCALE = 40.0000' / in.	CHECKED -	REvised -
PLOT DATE = 10/22/2019	DATE -	REvised -

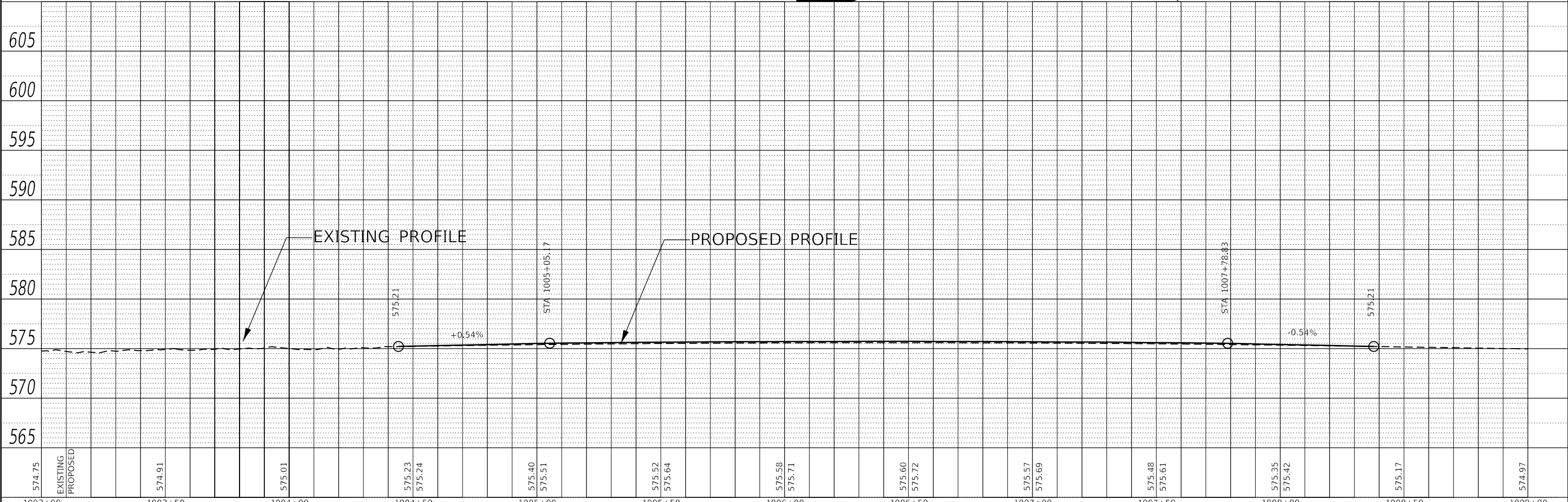
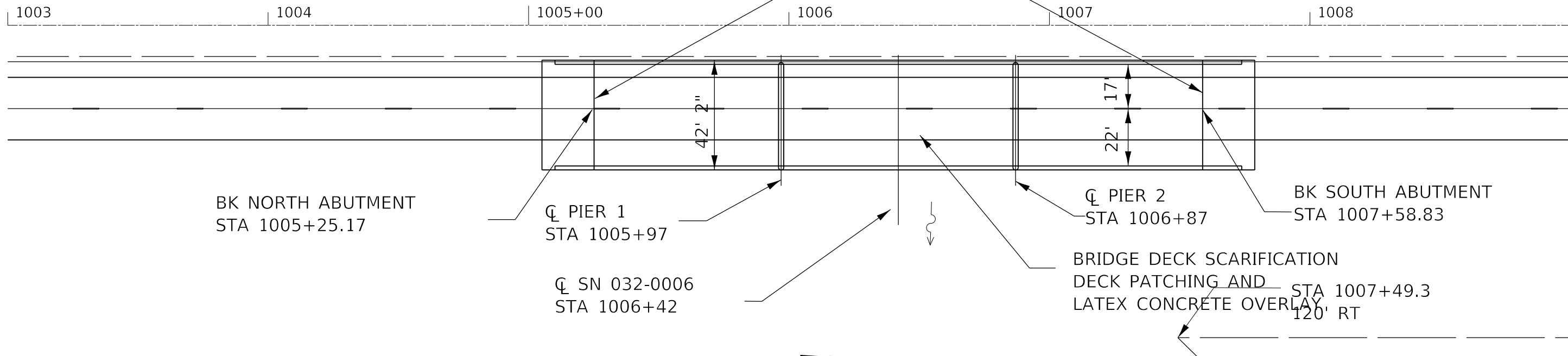
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PLAN AND PROFILE</b>			
<b>032-0005</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	53
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				



### REMOVAL AND REPLACEMENT OF EXPANSION JOINTS



PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTARIS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTARIS CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

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	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

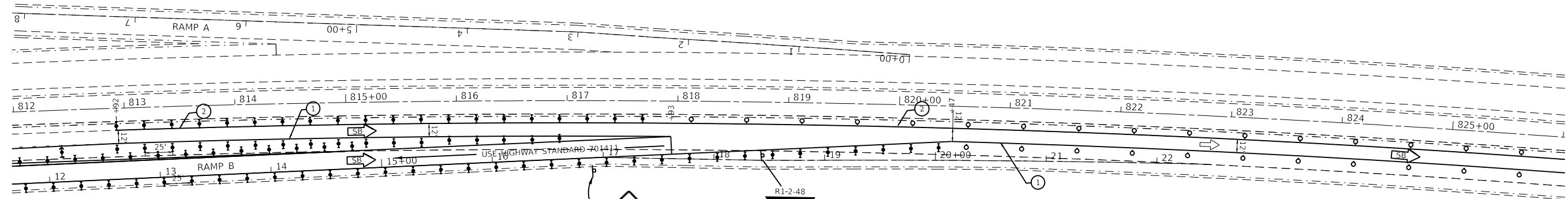
<b>PLAN AND PROFILE</b>			
<b>032-0006</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	54
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				

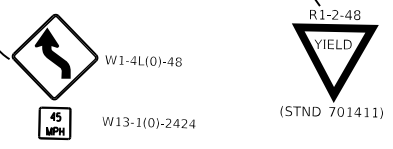




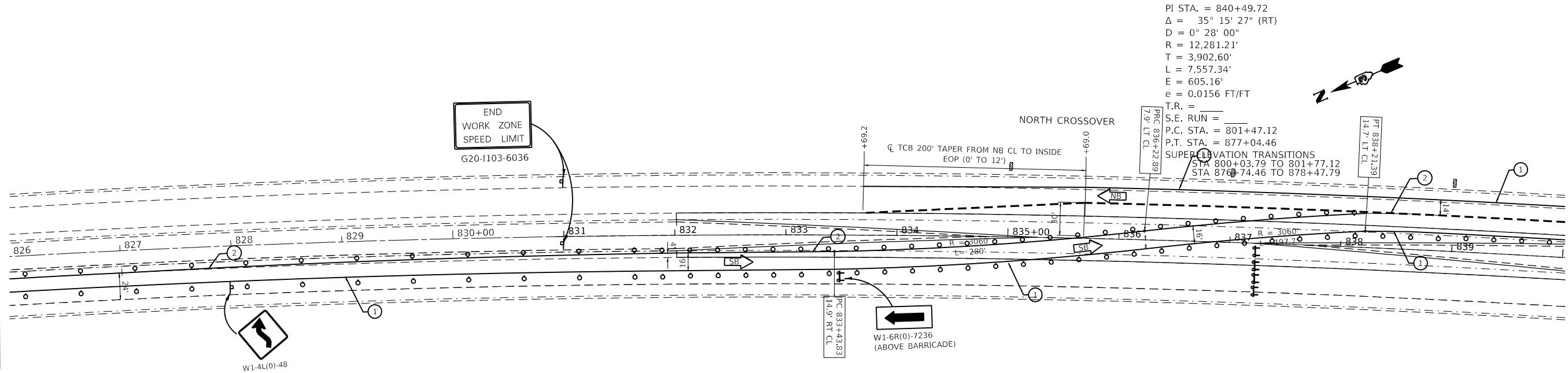
MATCHLINE STA 854+00



SYMBOLS	
	DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	ARROW BOARD
	DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
	TEMPORARY CONCRETE BARRIER WALL
	TYPE 3 BARRICADE
	DRUM
	4" PAVEMENT MARKING - POLYUREA TY 2 AT EDGES OF TRAVELED LANES, TAPERS AND AS SHOWN IN DETAILS:
	① 4" WHITE (EOP EDGE)
	② 4" YELLOW (2' O/S FROM BARRIER WALL) TYP



MATCHLINE STA 854+00



PI STA. = 840+49.72  
 $\Delta = 35^\circ 15' 27''$  (RT)  
 $D = 0^\circ 28' 00''$   
 $R = 12,281.21'$   
 $T = 3,902.60'$   
 $L = 7,557.34'$   
 $E = 605.16'$   
 $e = 0.0156$  FT/FT  
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 801+47.12$   
 $P.T. STA. = 877+04.46$   
 SUPER ELEVATION TRANSITIONS  
 $STA 800+03.79$  TO  $801+77.12$   
 $STA 876+74.46$  TO  $878+47.79$



MODEL: \\MODELS\MARFIS  
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USER NAME = calderon	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE 1  
DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

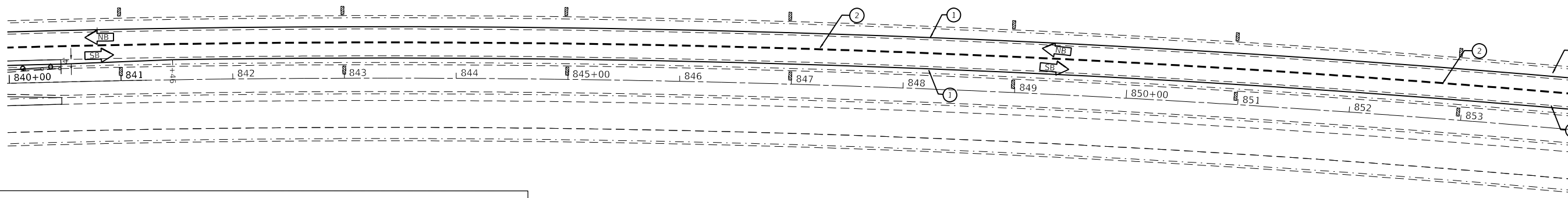
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	(32-1)RS-4	GRUNDY	154	56
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				





MATCHLINE STA 854+00

MATCHLINE STA 854+00

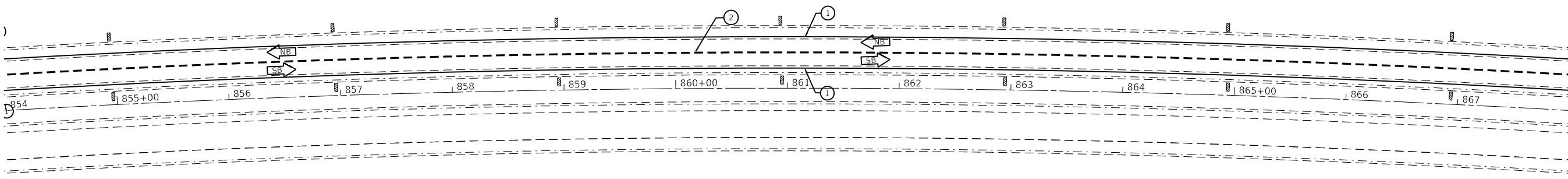


SYMBOLS	
	DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	ARROW BOARD
	DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
	TEMPORARY CONCRETE BARRIER WALL
	TYPE 3 BARRICADE
	DRUM
4" PAVEMENT MARKING - POLYUREA TY 2 AT EDGES OF TRAVELED LANES, TAPERS AND AS SHOWN IN DETAILS:	
	4" WHITE (EOP EDGE)
	4" YELLOW (2' O/S FROM BARRIER WALL) TYP



MATCHLINE STA 854+00

MATCHLINE STA 868+00



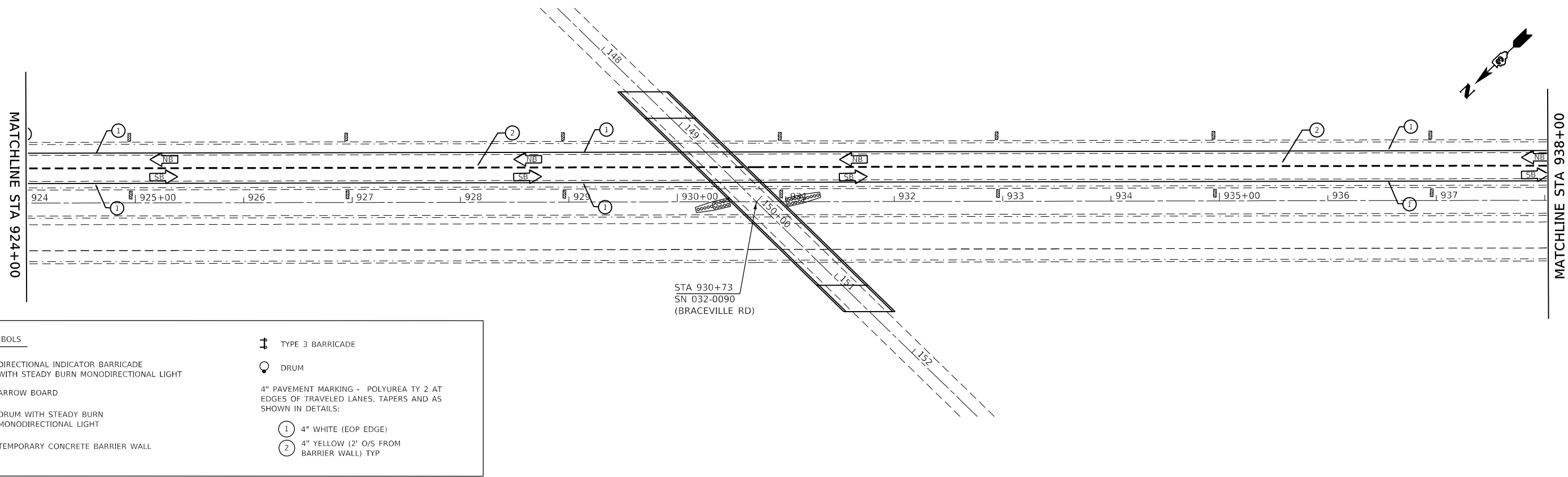
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USER NAME = calderon	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

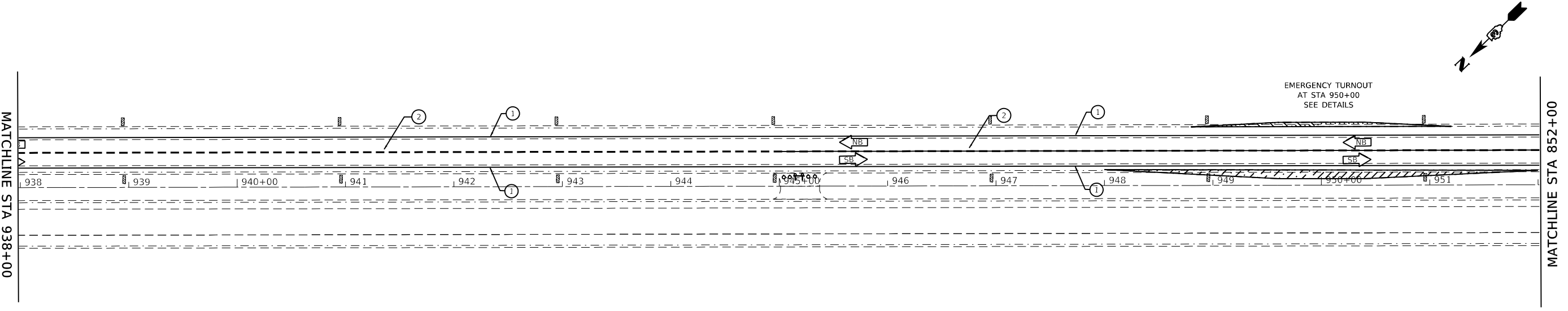
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	(32-1)RS-4	GRUNDY	154	57
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				



**SYMBOLS**

	DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT		TYPE 3 BARRICADE
	ARROW BOARD		DRUM
	DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT	4" PAVEMENT MARKING - POLYUREA TY 2 AT EDGES OF TRAVELED LANES, TAPERS AND AS SHOWN IN DETAILS:	
	TEMPORARY CONCRETE BARRIER WALL		4" WHITE (EOP EDGE)
			4" YELLOW (2' O/S FROM BARRIER WALL) TYP

STA 930+73  
SN 032-0090  
(BRACEVILLE RD)



EMERGENCY TURNOUT  
AT STA 950+00  
SEE DETAILS

MODEL: \\MODELM\MAINTS  
FILE: \\MAINTS\cadd\work\p10103660431\0366A51-1-sh-c2-ramp-det-bill.dgn

USER NAME = calderoni	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

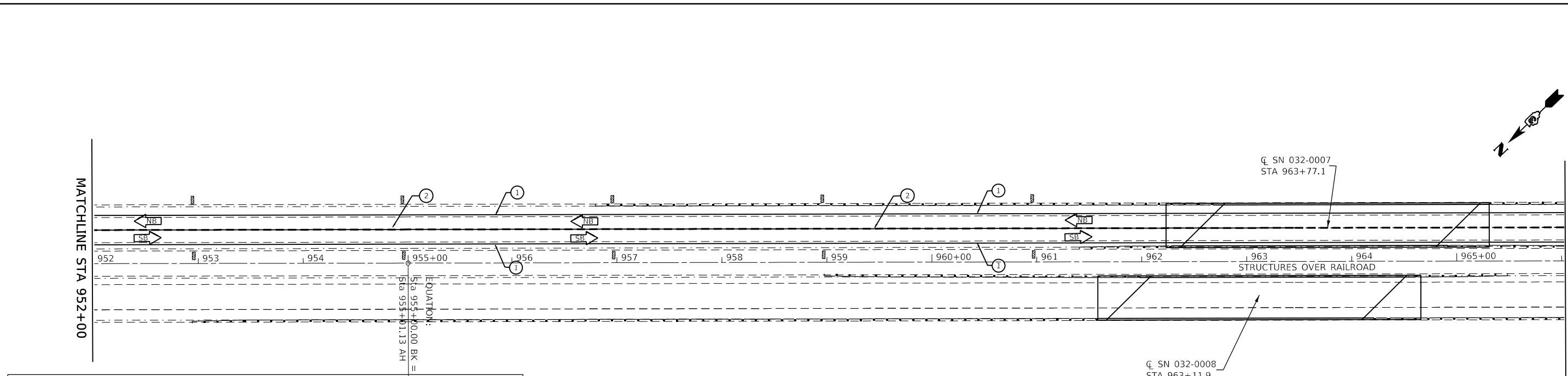
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE 1  
DETAILS**

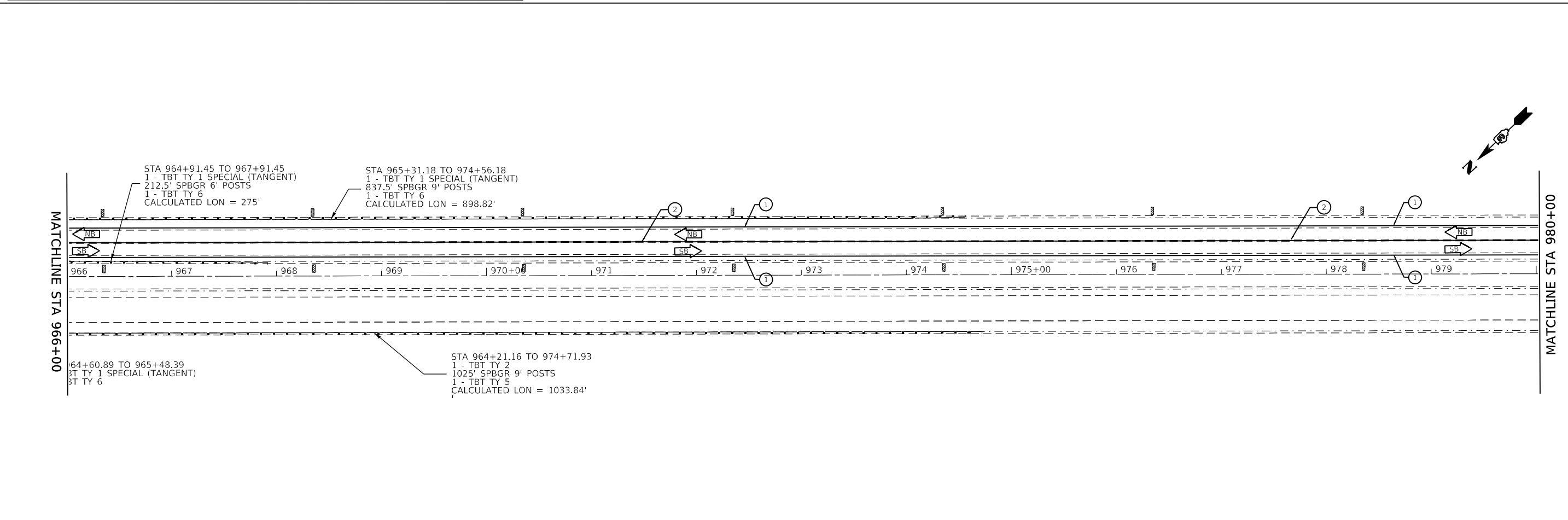
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	(32-1)RS-4	GRUNDY	154	58
CONTRACT NO. 66A51			ILLINOIS FED. AID PROJECT	

MODEL: \\MODEL\MARFIS  
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SYMBOLS	
	DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	ARROW BOARD
	DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
	TEMPORARY CONCRETE BARRIER WALL
	TYPE 3 BARRICADE
	DRUM
4" PAVEMENT MARKING - POLYUREA TY 2 AT EDGES OF TRAVELED LANES, TAPERS AND AS SHOWN IN DETAILS:	
	4" WHITE (EOP EDGE)
	4" YELLOW (2' O/S FROM BARRIER WALL) TYP

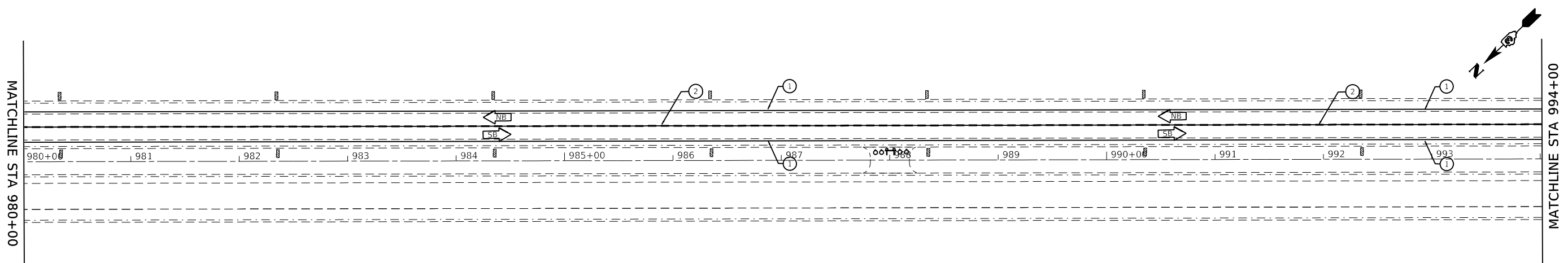


USER NAME = calderon	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

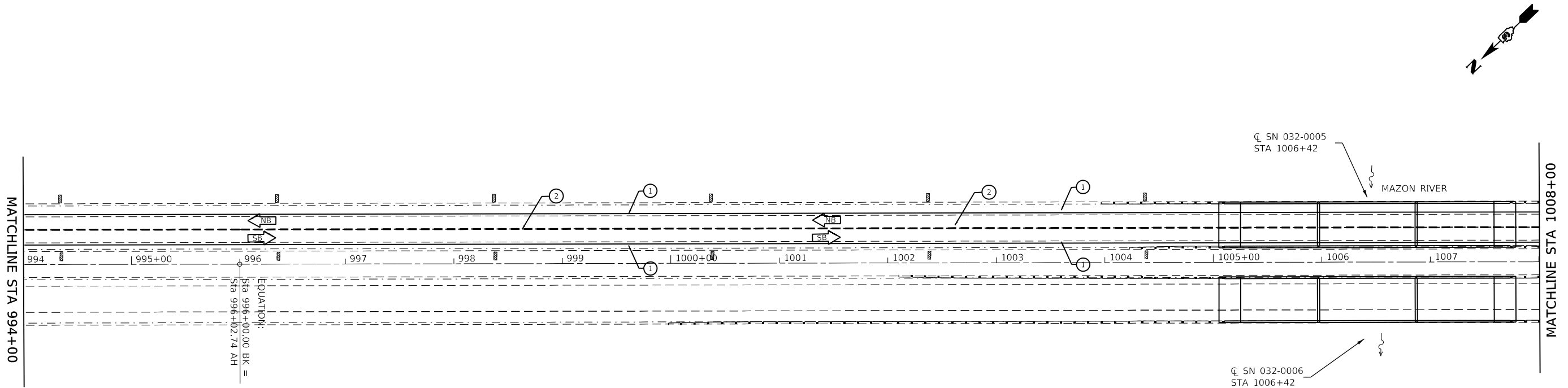
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

STAGE 1 DETAILS			
SCALE:	SHEET	OF	SHEETS

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	(32-1)RS-4	GRUNDY	154	59
CONTRACT NO. 66A51			ILLINOIS FED. AID PROJECT	



SYMBOLS	
	DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	ARROW BOARD
	DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
	TEMPORARY CONCRETE BARRIER WALL
	TYPE 3 BARRICADE
	DRUM
4" PAVEMENT MARKING - POLYUREA TY 2 AT EDGES OF TRAVELED LANES, TAPERS AND AS SHOWN IN DETAILS:	
	4" WHITE (EOP EDGE)
	4" YELLOW (2' O/S FROM BARRIER WALL) TYP



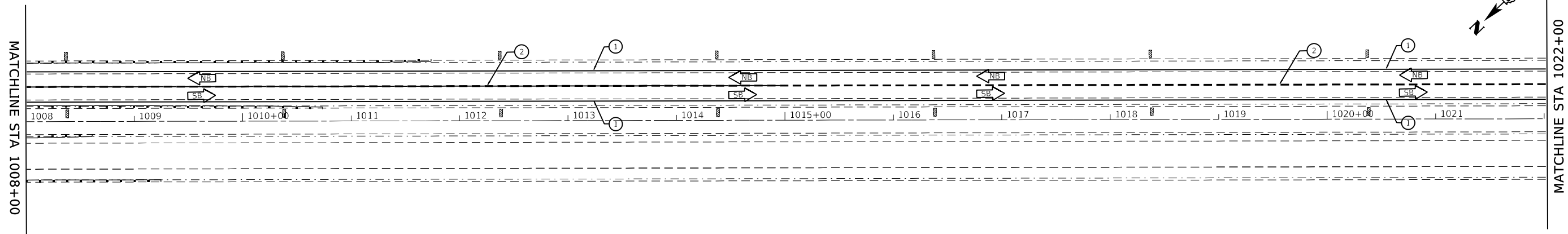
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USER NAME = calderon	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

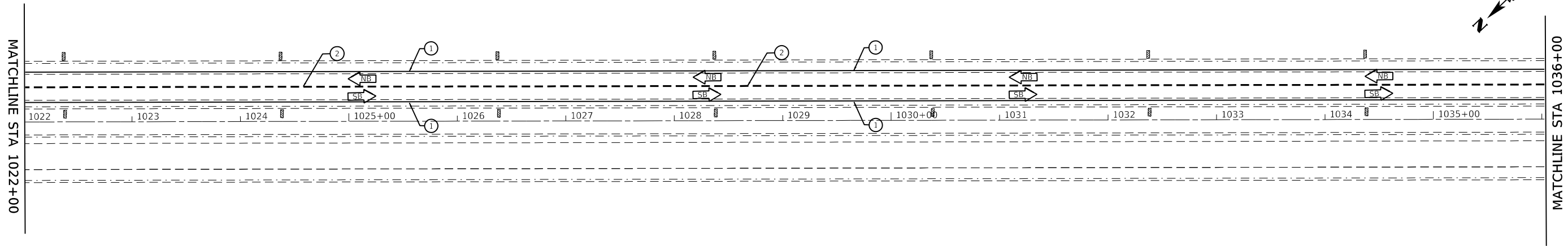
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>STAGE 1 DETAILS</b>			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	(32-1)RS-4	GRUNDY	154	60
			CONTRACT NO. 66A51	
		ILLINOIS FED. AID PROJECT		



SYMBOLS	
	DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	ARROW BOARD
	DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
	TEMPORARY CONCRETE BARRIER WALL
	TYPE 3 BARRICADE
	DRUM
4" PAVEMENT MARKING - POLYUREA TY 2 AT EDGES OF TRAVELED LANES, TAPERS AND AS SHOWN IN DETAILS:	
	4" WHITE (EOP EDGE)
	4" YELLOW (2' O/S FROM BARRIER WALL) TYP



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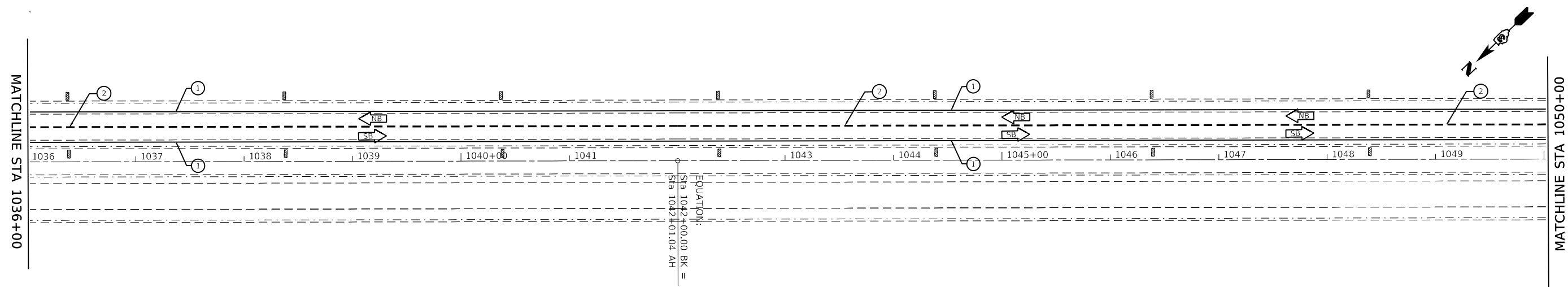
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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

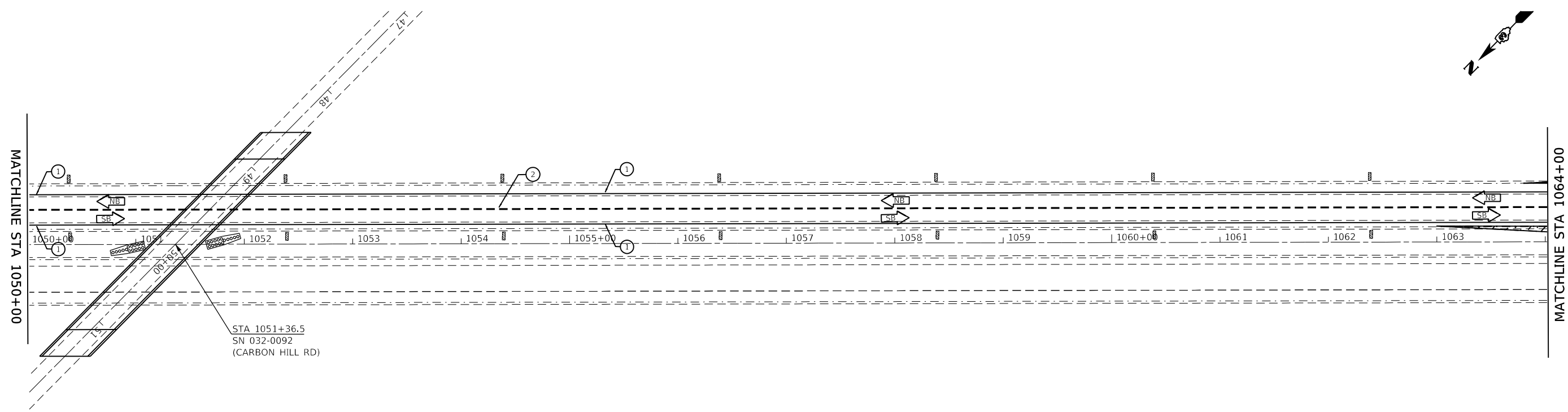
**STAGE 1  
DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	(32-1)RS-4	GRUNDY	154	61
CONTRACT NO. 66A51			ILLINOIS FED. AID PROJECT	



SYMBOLS	
	DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	ARROW BOARD
	DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
	TEMPORARY CONCRETE BARRIER WALL
	TYPE 3 BARRICADE
	DRUM
4" PAVEMENT MARKING - POLYUREA TY 2 AT EDGES OF TRAVELED LANES, TAPERS AND AS SHOWN IN DETAILS:	
	4" WHITE (EOP EDGE)
	4" YELLOW (2' O/S FROM BARRIER WALL) TYP



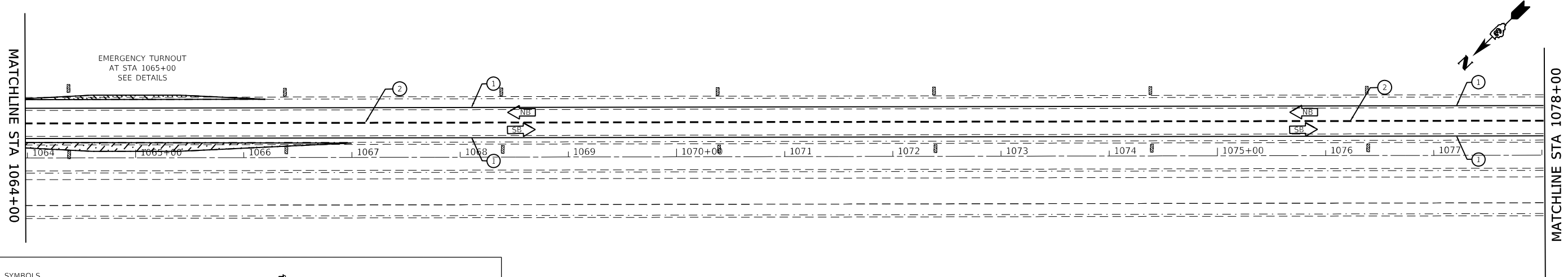
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USER NAME = calderoni	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

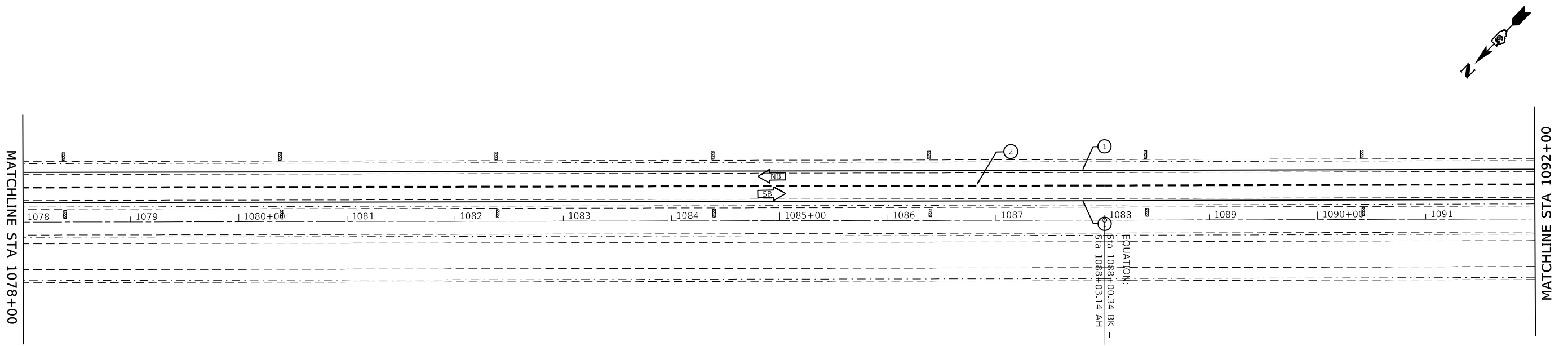
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>STAGE 1</b>			
<b>DETAILS</b>			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	(32-1)RS-4	GRUNDY	154	62
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				



SYMBOLS	
	DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	ARROW BOARD
	DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
	TEMPORARY CONCRETE BARRIER WALL
	TYPE 3 BARRICADE
	DRUM
4" PAVEMENT MARKING - POLYUREA TY 2 AT EDGES OF TRAVELED LANES, TAPERS AND AS SHOWN IN DETAILS:	
	4" WHITE (EOP EDGE)
	4" YELLOW (2' O/S FROM BARRIER WALL) TYP



MODEL: \\MODELS\MAR\MS  
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USER NAME = calderon	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

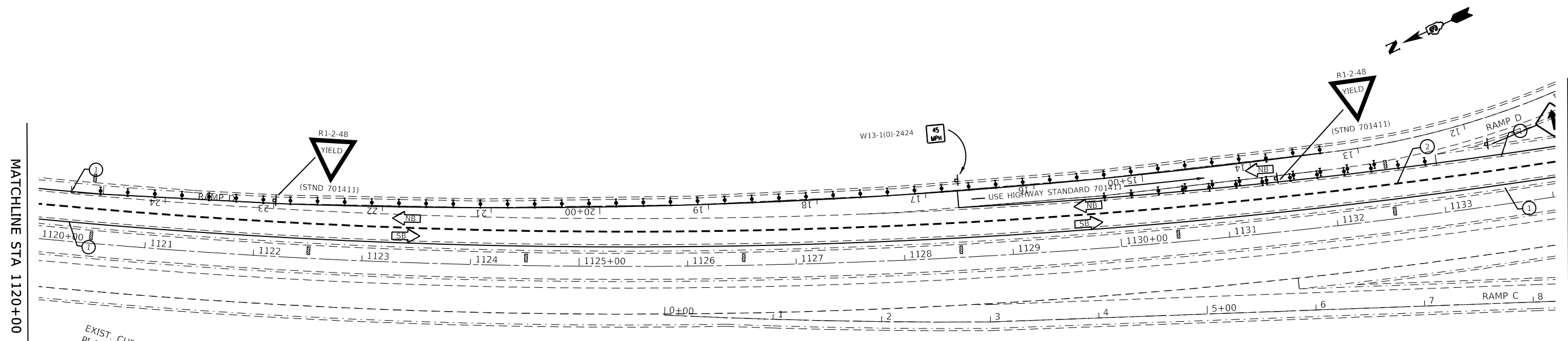
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET OF SHEETS		STA. TO STA.		<b>STAGE 1</b>	
						<b>DETAILS</b>	

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	(32-1)RS-4	GRUNDY	154	63
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66A51	

MATCHLINE STA 1120+00

MATCHLINE STA 1134+00

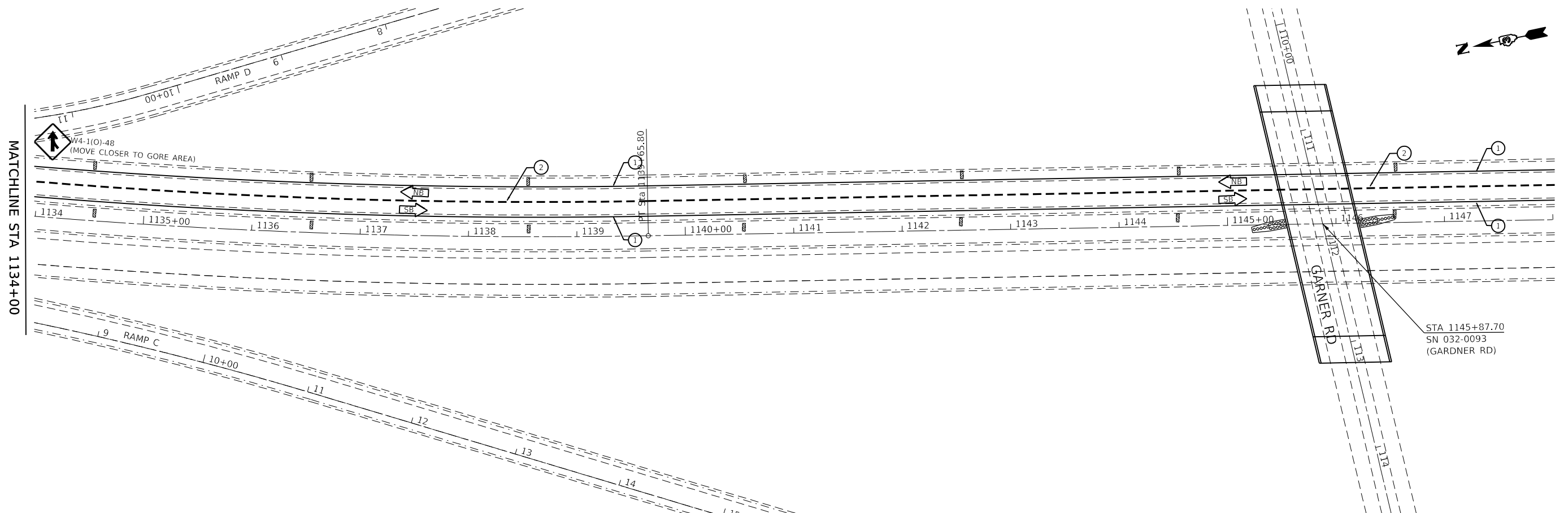


EXIST. CURVE N155.29  
 PI STA. = 1123+59.92  
 $\Delta = 33^\circ 04' 05''$  (LT)  
 $D = 1^\circ 00' 00''$   
 $R = 5,729.40'$   
 $T = 1,700.83'$   
 $L = 3,306.71'$   
 $e = 247.13'$   
 $T.R. = 0.034$  FT/FT  
 S.E. RUN =  
 P.C. STA. = 1106+  
 P.T. STA. =

SYMBOLS	
	DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	ARROW BOARD
	DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
	TEMPORARY CONCRETE BARRIER WALL
	TYPE 3 BARRICADE
	DRUM
	4" PAVEMENT MARKING - POLYUREA TY 2 AT EDGES OF TRAVELED LANES, TAPERS AND AS SHOWN IN DETAILS:
	1 4" WHITE (EOP EDGE)
	2 4" YELLOW (2' O/S FROM BARRIER WALL) TYP

MATCHLINE STA 1134+00

MATCHLINE STA 1148+00



MODEL: \\MODELM\AMITS  
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USER NAME = calderoni	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

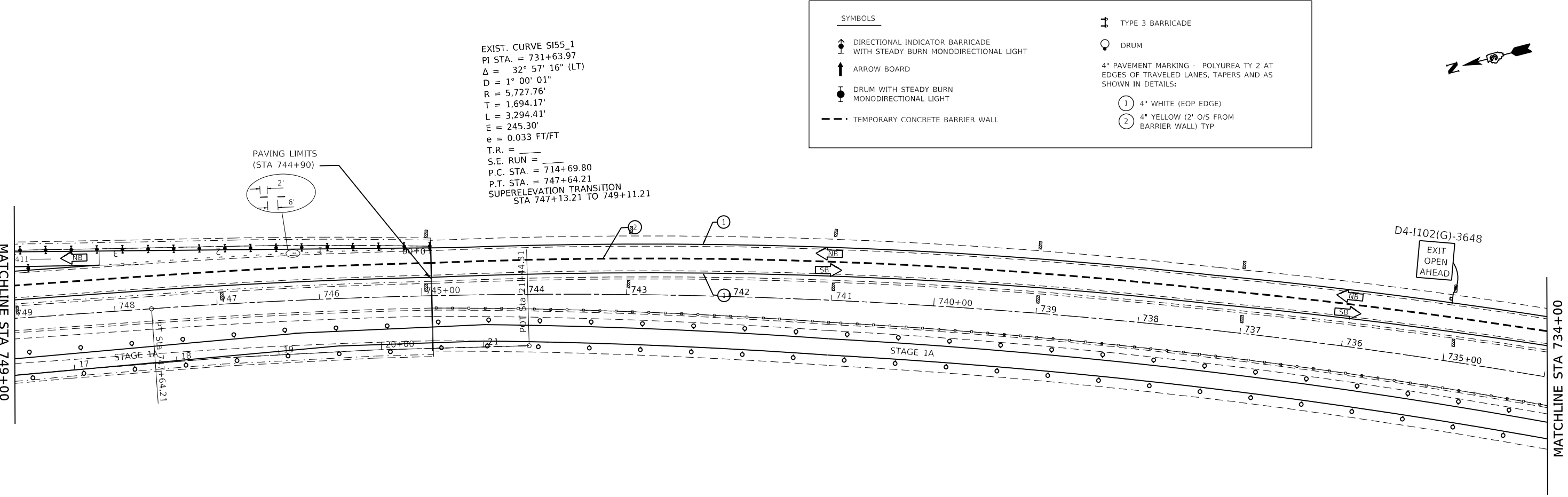
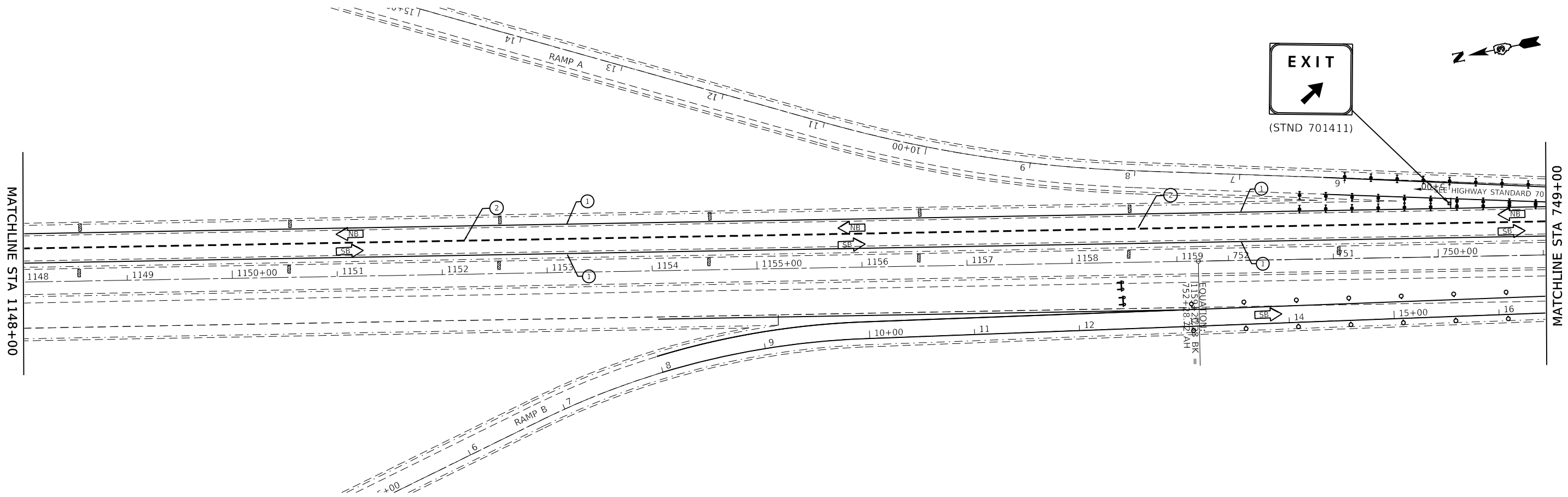
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**STAGE 1  
 DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	(32-1)RS-4	GRUNDY	154	64
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				





EXIST. CURVE S155\_1  
 PI STA. = 731+63.97  
 $\Delta = 32^\circ 57' 16''$  (LT)  
 $D = 1^\circ 00' 01''$   
 $R = 5,727.76'$   
 $T = 1,694.17'$   
 $L = 3,294.41'$   
 $E = 245.30'$   
 $e = 0.033$  FT/FT  
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 714+69.80$   
 $P.T. STA. = 747+64.21$   
 SUPERELEVATION TRANSITION  
 STA 747+13.21 TO 749+11.21

SYMBOLS	
	DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	ARROW BOARD
	DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
	TEMPORARY CONCRETE BARRIER WALL
	TYPE 3 BARRICADE
	DRUM
4" PAVEMENT MARKING - POLYUREA TY 2 AT EDGES OF TRAVELED LANES, TAPERS AND AS SHOWN IN DETAILS:	
	4" WHITE (EOP EDGE)
	4" YELLOW (2' O/S FROM BARRIER WALL) TYP

MODEL: \\MODELM\MTS  
 FILE: \\MODELM\cadd\work\pav\110366A51-1-11-2019-06-06.dgn

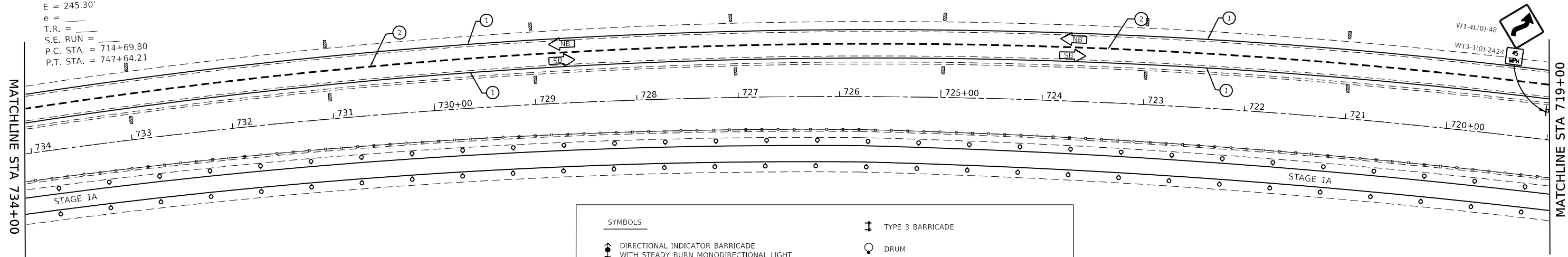
USER NAME = calderoni	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>STAGE 1 DETAILS</b>	
SCALE:	SHEET OF SHEETS STA. TO STA.

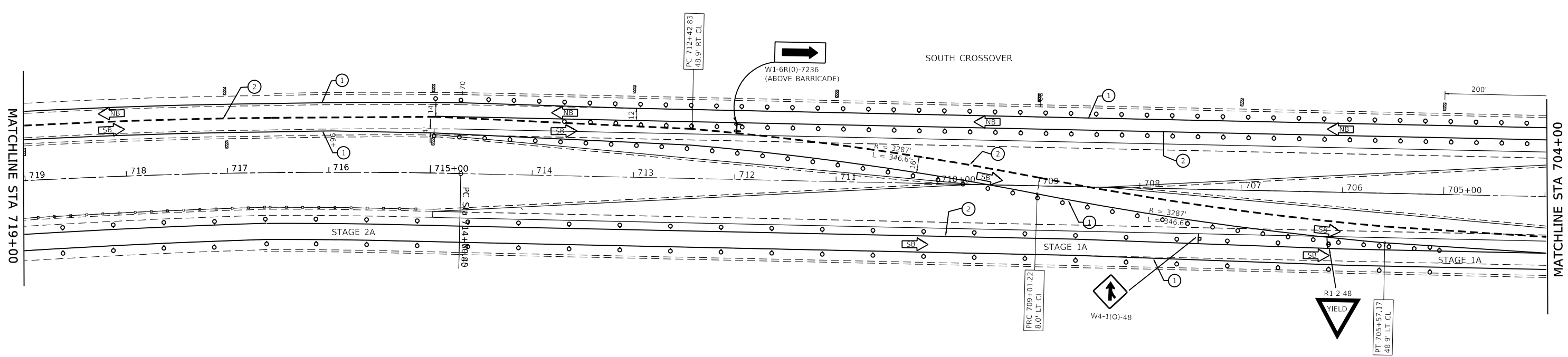
F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	(32-1)RS-4	GRUNDY	154	65
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				

EXIST. CURVE SI55\_1  
 PI STA. = 731+63.97  
 $\Delta = 32^\circ 57' 16''$  (LT)  
 $D = 1^\circ 00' 01''$   
 $R = 5,727.76'$   
 $T = 1,694.17'$   
 $L = 3,294.41'$   
 $E = 245.30'$   
 $e =$   
 T.R. =  
 S.E. RUN =  
 P.C. STA. = 714+69.80  
 P.T. STA. = 747+64.21



**SYMBOLS**

- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ARROW BOARD
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- TEMPORARY CONCRETE BARRIER WALL
- TYPE 3 BARRICADE
- DRUM
- 4" PAVEMENT MARKING - POLYUREA TY 2 AT EDGES OF TRAVELED LANES, TAPERS AND AS SHOWN IN DETAILS:**
  - 4" WHITE (EOP EDGE)
  - 4" YELLOW (2' O/S FROM BARRIER WALL) TYP



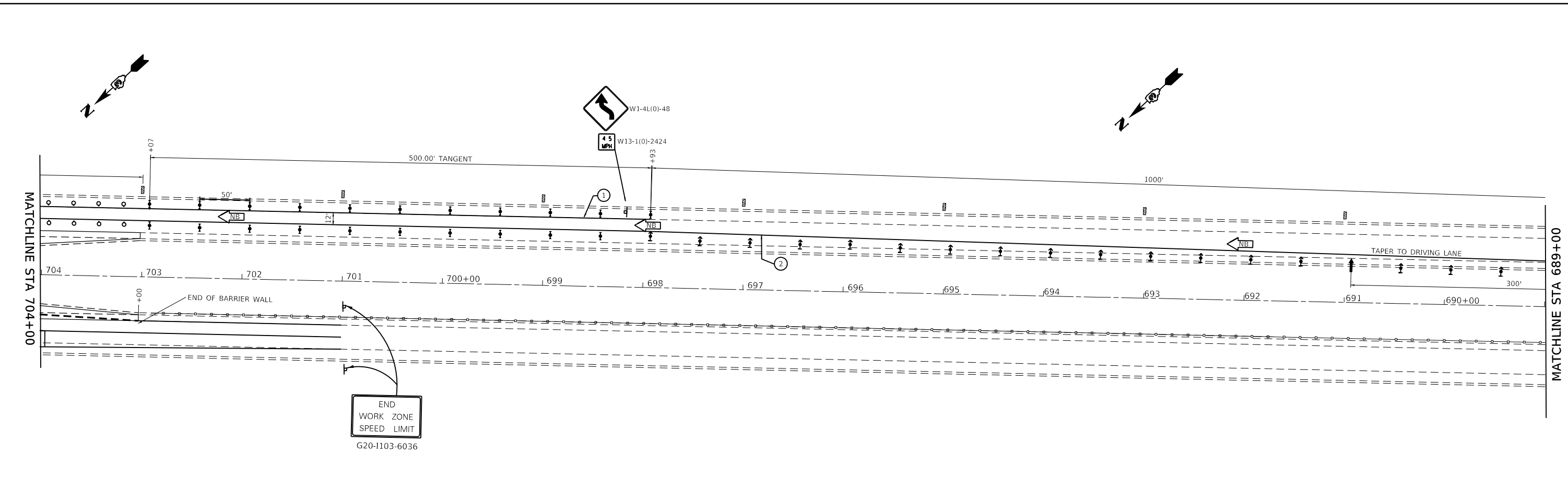
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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2019	DATE -	REVISED -

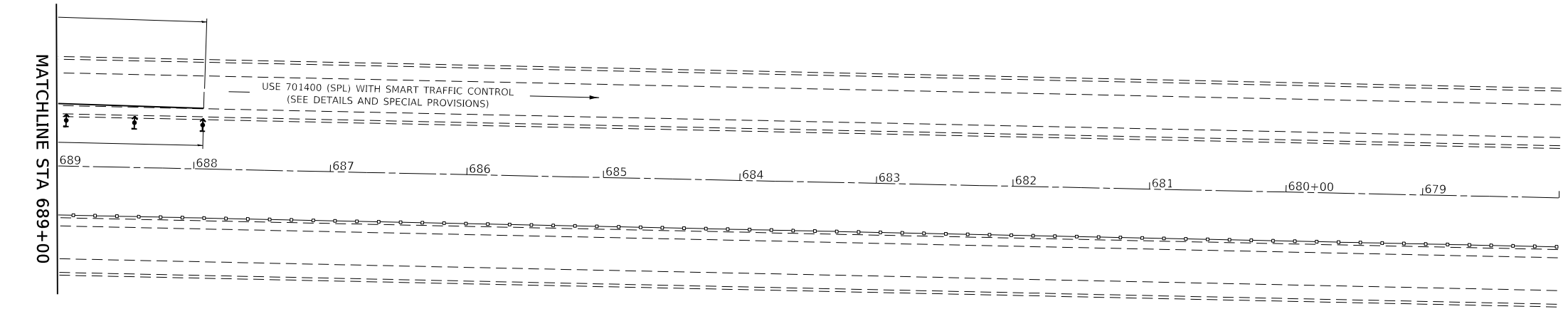
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>STAGE 1 DETAILS</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	(32-1)RS-4	GRUNDY	154	66
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				



SYMBOLS	
	DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	ARROW BOARD
	DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
	TEMPORARY CONCRETE BARRIER WALL
	TYPE 3 BARRICADE
	DRUM
4" PAVEMENT MARKING - POLYUREA TY 2 AT EDGES OF TRAVELED LANES, TAPERS AND AS SHOWN IN DETAILS:	
	4" WHITE (EOP EDGE)
	4" YELLOW (2' O/S FROM BARRIER WALL) TYP



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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

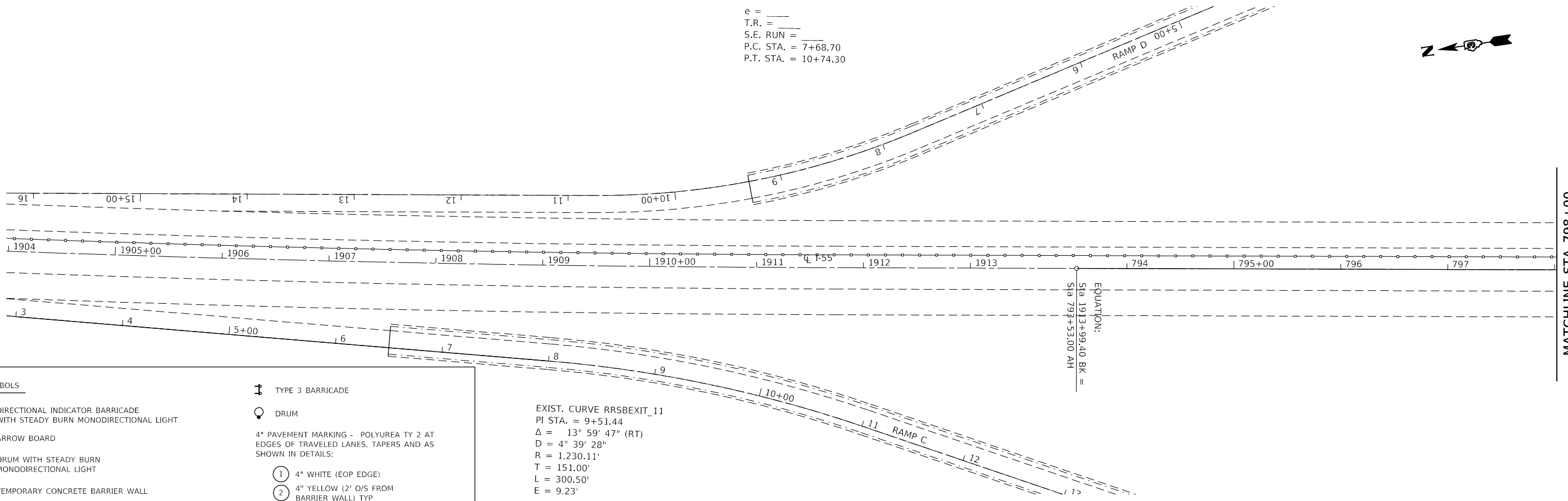
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SCALE:</b>		<b>SHEET OF SHEETS</b>		<b>STA. TO STA.</b>	

**STAGE 1  
DETAILS**

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	(32-1)RS-4	GRUNDY	154	67
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				

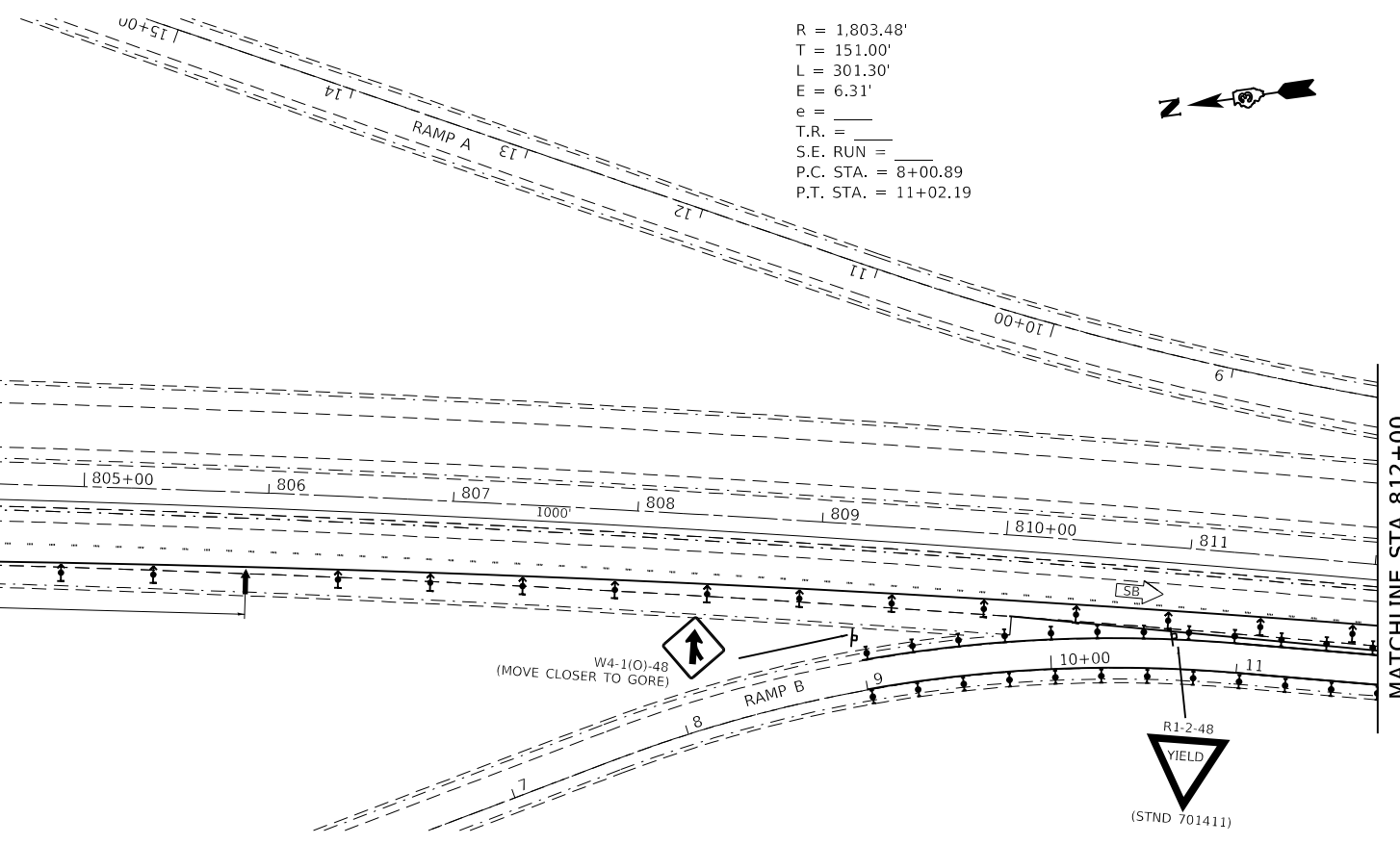
e = \_\_\_\_\_  
 T.R. = \_\_\_\_\_  
 S.E. RUN = \_\_\_\_\_  
 P.C. STA. = 7+68.70  
 P.T. STA. = 10+74.30



MATCHLINE STA 798+00

SYMBOLS	
	DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	ARROW BOARD
	DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
	TEMPORARY CONCRETE BARRIER WALL
	TYPE 3 BARRICADE
	DRUM
4" PAVEMENT MARKING - POLYUREA TY 2 AT EDGES OF TRAVELED LANES, TAPERS AND AS SHOWN IN DETAILS:	
	4" WHITE (EOP EDGE)
	4" YELLOW (2' O/S FROM BARRIER WALL) TYP

EXIST. CURVE RRSBEXIT\_11  
 PI STA. = 9+51.44  
 $\Delta = 13^\circ 59' 47''$  (RT)  
 $D = 4^\circ 39' 28''$   
 $R = 1,230.11'$   
 $T = 151.00'$   
 $L = 300.50'$   
 $E = 9.23'$



R = 1,803.48'  
 T = 151.00'  
 L = 301.30'  
 E = 6.31'  
 e = \_\_\_\_\_  
 T.R. = \_\_\_\_\_  
 S.E. RUN = \_\_\_\_\_  
 P.C. STA. = 8+00.89  
 P.T. STA. = 11+02.19



MATCHLINE STA 798+00

MATCHLINE STA 812+00

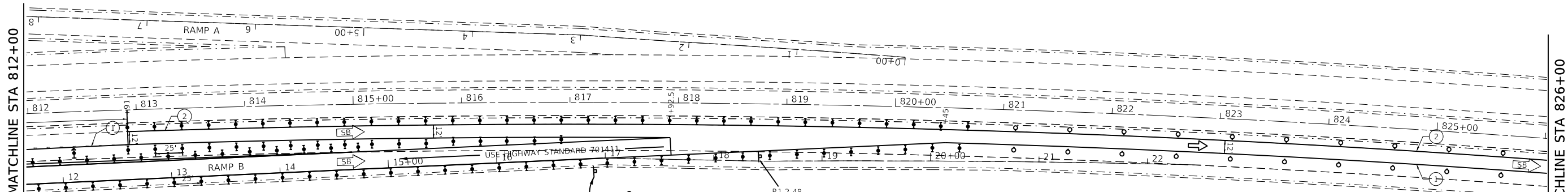
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USER NAME = calderon	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

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

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	(32-1)RS-4	GRUNDY	154	68
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				

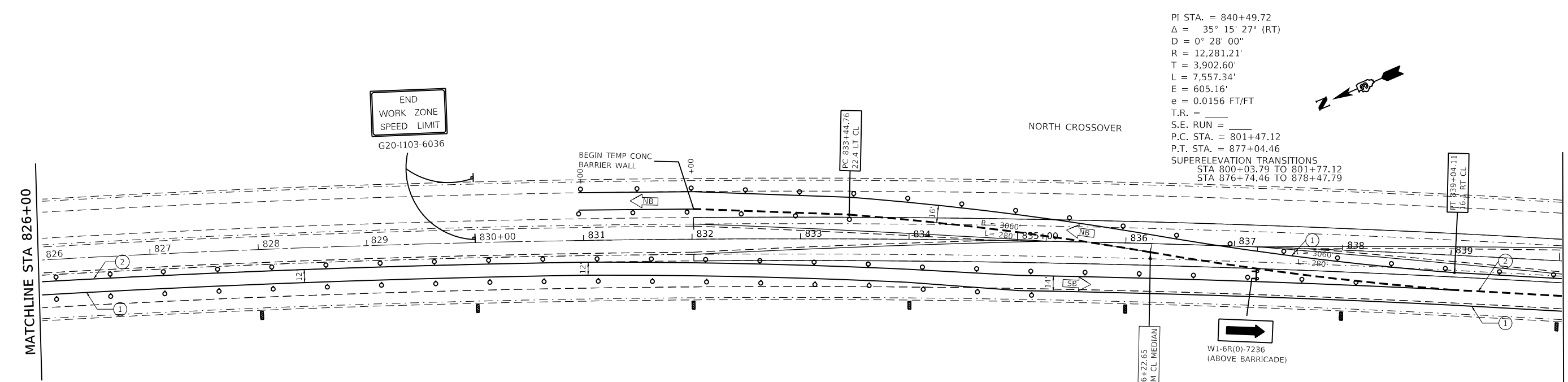


**SYMBOLS**

- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ARROW BOARD
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- TEMPORARY CONCRETE BARRIER WALL
- TYPE 3 BARRICADE
- DRUM

4" PAVEMENT MARKING - POLYUREA TY 2 AT EDGES OF TRAVELED LANES, TAPERS AND AS SHOWN IN DETAILS:

- 4" WHITE (EOP EDGE)
- 4" YELLOW (2' O/S FROM BARRIER WALL) TYP



PI STA. = 840+49.72  
 $\Delta = 35^\circ 15' 27''$  (RT)  
 $D = 0^\circ 28' 00''$   
 $R = 12,281.21'$   
 $T = 3,902.60'$   
 $L = 7,557.34'$   
 $E = 605.16'$   
 $e = 0.0156$  FT/FT  
 $T.R. = \_\_\_\_\_\_$   
 $S.E. RUN = \_\_\_\_\_\_$   
 $P.C. STA. = 801+47.12$   
 $P.T. STA. = 877+04.46$   
 SUPERELEVATION TRANSITIONS  
 STA 800+03.79 TO 801+77.12  
 STA 876+74.46 TO 878+47.79



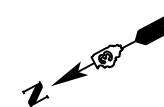
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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

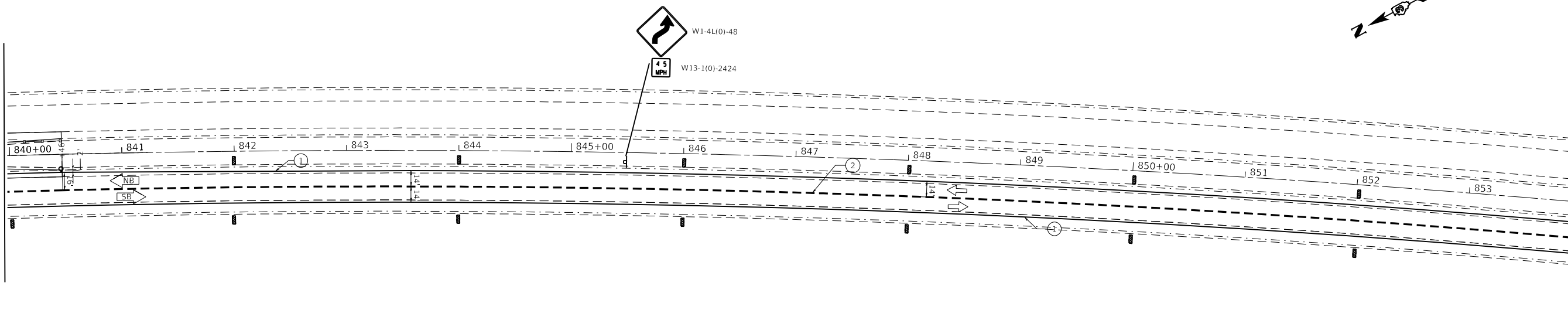
SCALE:		SHEET OF SHEETS		STA. TO STA.	
STAGE 2 DETAILS		SECTION		COUNTY	
		(32-1)RS-4		GRUNDY	
F.A.I. RTE. I-55		CONTRACT NO. 66A51		TOTAL SHEETS 154	
		ILLINOIS		FED. AID PROJECT	

F.A.I. RTE. I-55	SECTION (32-1)RS-4	COUNTY GRUNDY	TOTAL SHEETS 154	SHEET NO. 69
		CONTRACT NO. 66A51		
		ILLINOIS		FED. AID PROJECT



MATCHLINE STA 840+00

MATCHLINE STA 854+00

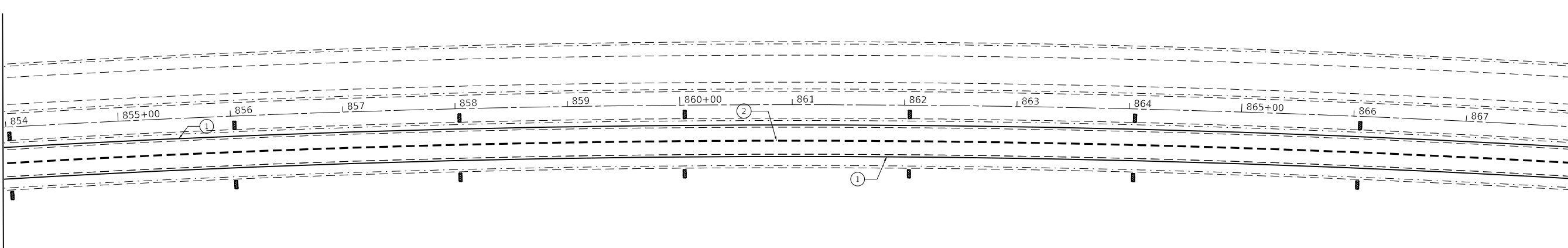


SYMBOLS	
	DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	ARROW BOARD
	DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
	TEMPORARY CONCRETE BARRIER WALL
	TYPE 3 BARRICADE
	DRUM
4" PAVEMENT MARKING - POLYUREA TY 2 AT EDGES OF TRAVELED LANES, TAPERS AND AS SHOWN IN DETAILS:	
①	4" WHITE (EOP EDGE)
②	4" YELLOW (2' O/S FROM BARRIER WALL) TYP



MATCHLINE STA 854+00

MATCHLINE STA 868+00



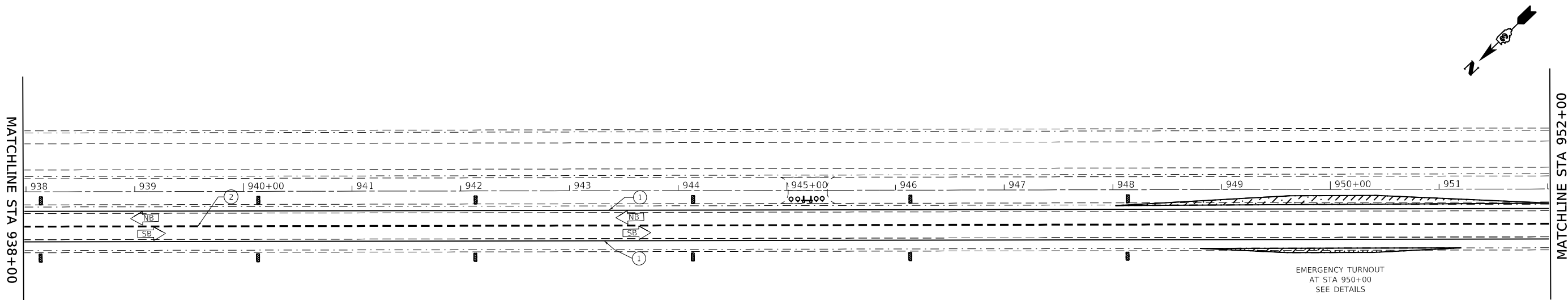
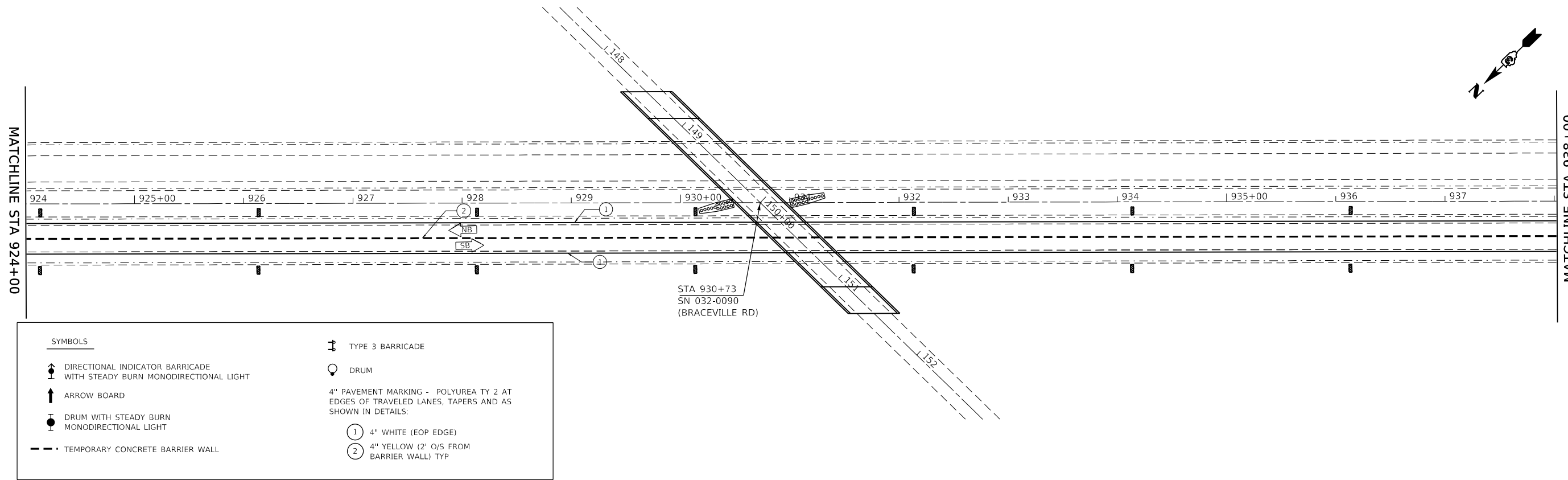
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USER NAME = calderoni	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>STAGE 2 DETAILS</b>			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	(32-1)RS-4	GRUNDY	154	70
			CONTRACT NO. 66A51	
		ILLINOIS	FED. AID PROJECT	



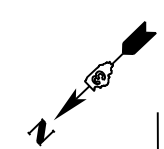
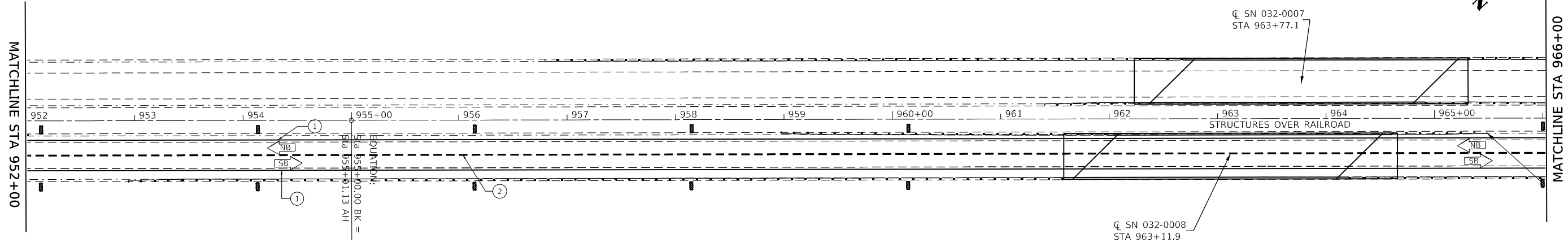
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USER NAME = calderoni	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

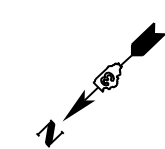
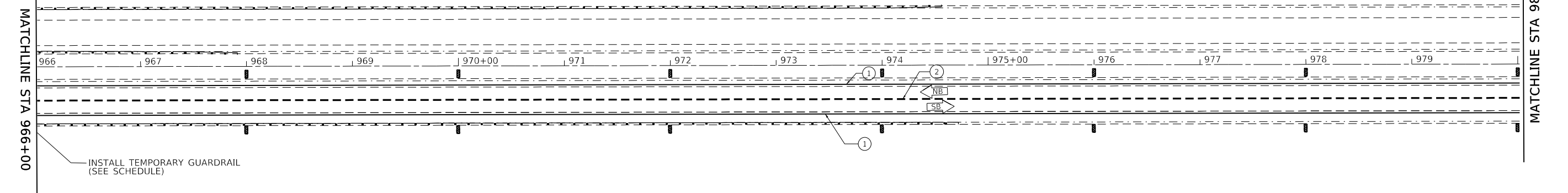
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>STAGE 2 DETAILS</b>			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	(32-1)RS-4	GRUNDY	154	71
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				



SYMBOLS	
	DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	ARROW BOARD
	DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
	TEMPORARY CONCRETE BARRIER WALL
	TYPE 3 BARRICADE
	DRUM
4" PAVEMENT MARKING - POLYUREA TY 2 AT EDGES OF TRAVELED LANES, TAPERS AND AS SHOWN IN DETAILS:	
	4" WHITE (EOP EDGE)
	4" YELLOW (2' O/S FROM BARRIER WALL) TYP



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USER NAME = calderoni	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

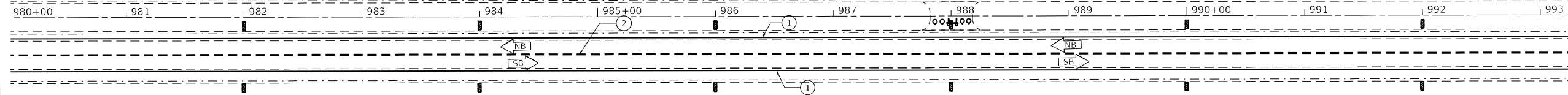
<b>STAGE 2 DETAILS</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	(32-1)RS-4	GRUNDY	154	72
CONTRACT NO. 66A51			ILLINOIS FED. AID PROJECT	



MATCHLINE STA 980+00

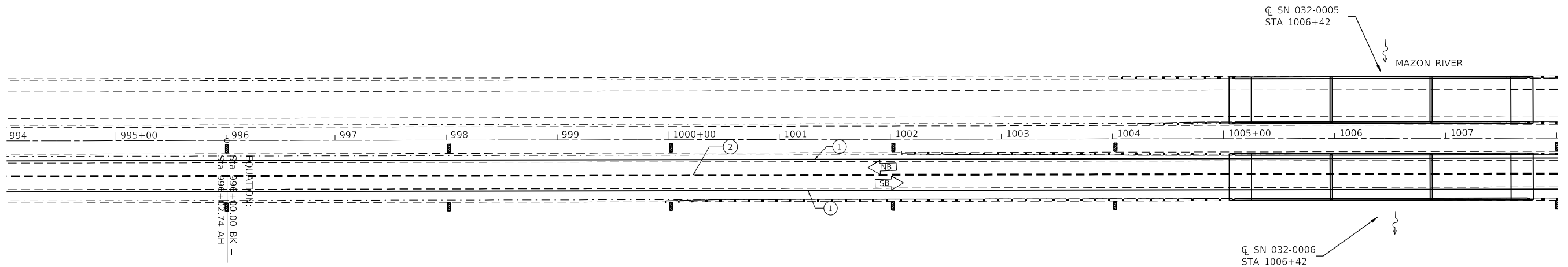
MATCHLINE STA 994+00



SYMBOLS	
	DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	ARROW BOARD
	DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
	TEMPORARY CONCRETE BARRIER WALL
	TYPE 3 BARRICADE
	DRUM
4" PAVEMENT MARKING - POLYUREA TY 2 AT EDGES OF TRAVELED LANES, TAPERS AND AS SHOWN IN DETAILS:	
	4" WHITE (EOP EDGE)
	4" YELLOW (2' O/S FROM BARRIER WALL) TYP

MATCHLINE STA 994+00

MATCHLINE STA 1008+00



MODEL: I:\MODELS\MAR15  
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	DRAWN -	REVISED -
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PLOT DATE = 10/22/2019	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

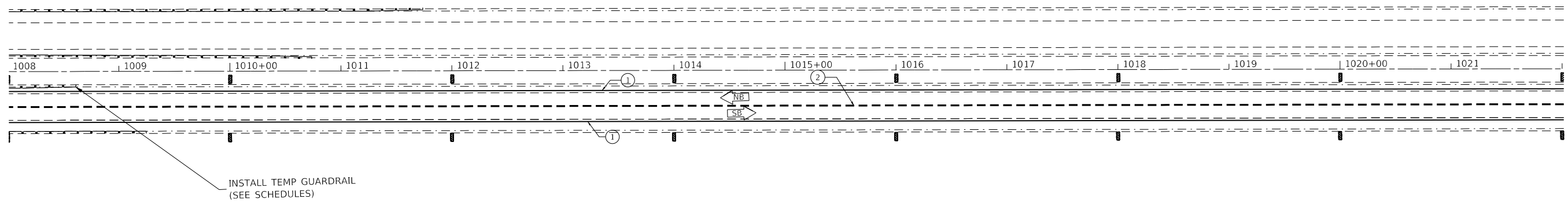
STAGE 2  
DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	(32-1)RS-4	GRUNDY	154	73
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				

MATCHLINE STA 1008+00

MATCHLINE STA 1022+00

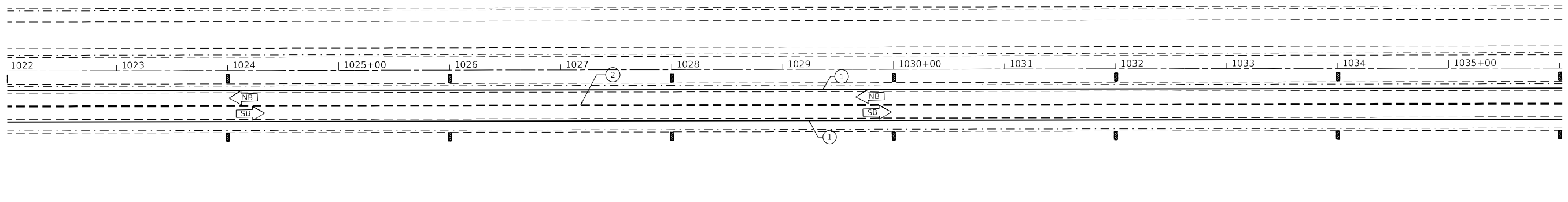


INSTALL TEMP GUARDRAIL  
(SEE SCHEDULES)

SYMBOLS	
	DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	ARROW BOARD
	DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
	TEMPORARY CONCRETE BARRIER WALL
	TYPE 3 BARRICADE
	DRUM
4" PAVEMENT MARKING - POLYUREA TY 2 AT EDGES OF TRAVELED LANES, TAPERS AND AS SHOWN IN DETAILS:	
	4" WHITE (EOP EDGE)
	4" YELLOW (2' O/S FROM BARRIER WALL) TYP

MATCHLINE STA 1022+00

MATCHLINE STA 1036+00



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PLOT DATE = 10/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

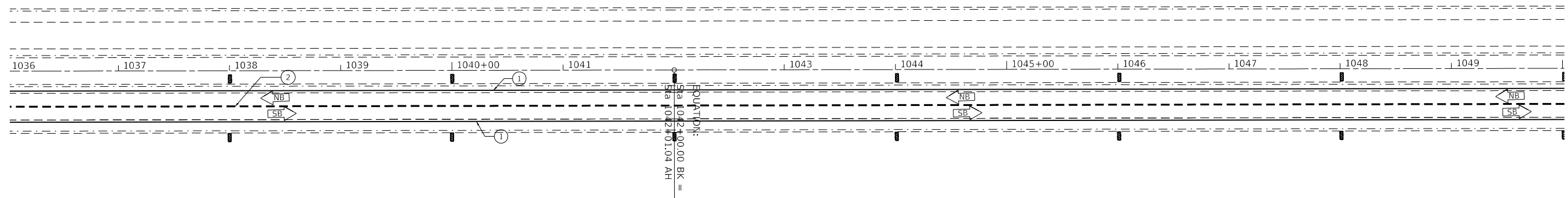
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE 2  
DETAILS**

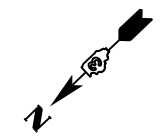
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	(32-1)RS-4	GRUNDY	154	74
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				

MATCHLINE STA 1036+00

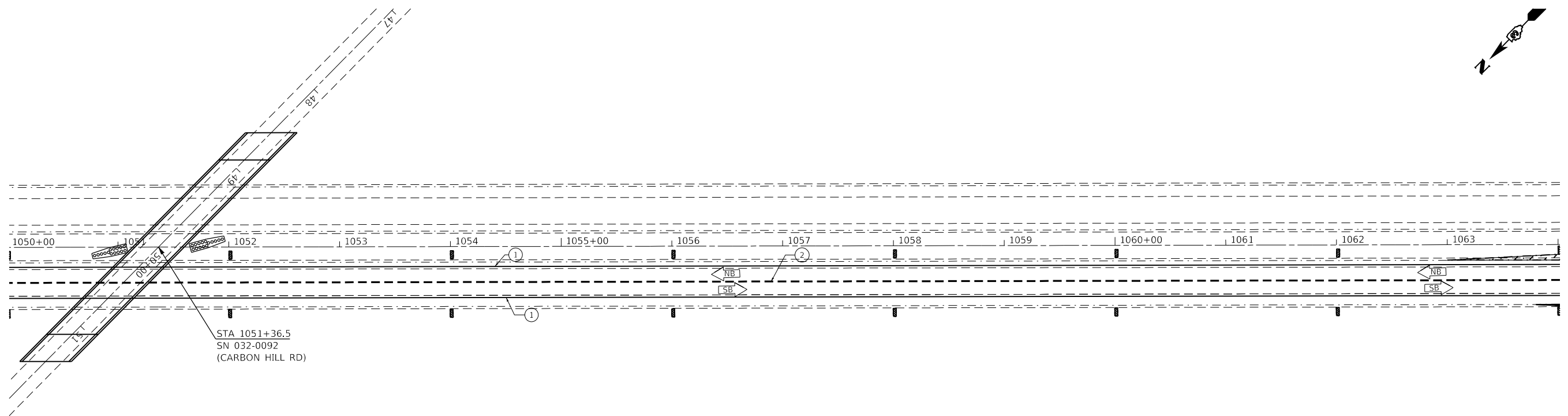


MATCHLINE STA 1050+00

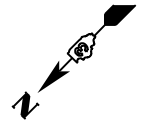


SYMBOLS	
	DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	ARROW BOARD
	DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
	TEMPORARY CONCRETE BARRIER WALL
	TYPE 3 BARRICADE
	DRUM
4" PAVEMENT MARKING - POLYUREA TY 2 AT EDGES OF TRAVELED LANES, TAPERS AND AS SHOWN IN DETAILS:	
	4" WHITE (EOP EDGE)
	4" YELLOW (2' O/S FROM BARRIER WALL) TYP

MATCHLINE STA 1050+00



MATCHLINE STA 1064+00



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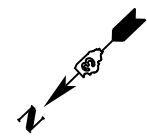
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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE 2  
DETAILS**

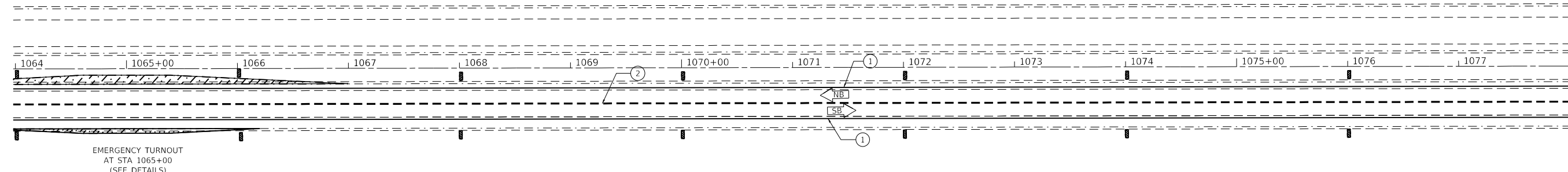
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	(32-1)RS-4	GRUNDY	154	75
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				



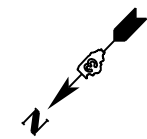
MATCHLINE STA 1060+00

MATCHLINE STA 1078+00



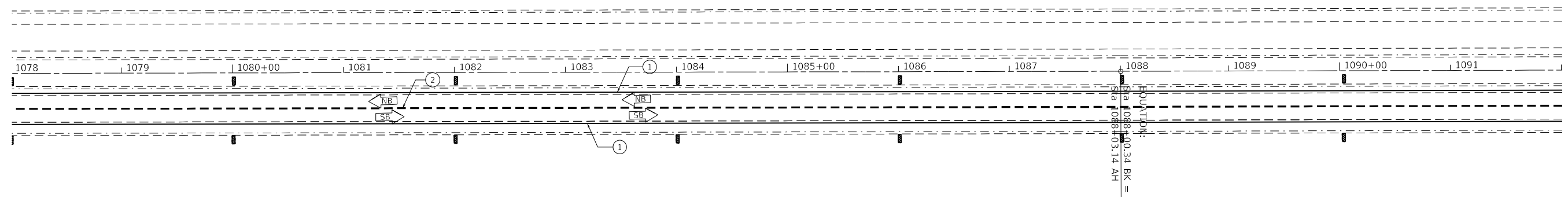
EMERGENCY TURNOUT  
AT STA 1065+00  
(SEE DETAILS)

SYMBOLS	
	DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	ARROW BOARD
	DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
	TEMPORARY CONCRETE BARRIER WALL
	TYPE 3 BARRICADE
	DRUM
4" PAVEMENT MARKING - POLYUREA TY 2 AT EDGES OF TRAVELED LANES, TAPERS AND AS SHOWN IN DETAILS:	
	4" WHITE (EOP EDGE)
	4" YELLOW (2' O/S FROM BARRIER WALL) TYP



MATCHLINE STA 1078+00

MATCHLINE STA 1092+00



UTILITY POLE:  
Sta 1088+00.34 BK =  
Sta 1088+03.14 AH

MODEL: \\MODELM\MAHES  
FILE: MAHES\_CADD\workspaced\calderon\103660431\0366A51-1-sh-ct-ramp-det-bill.dgn

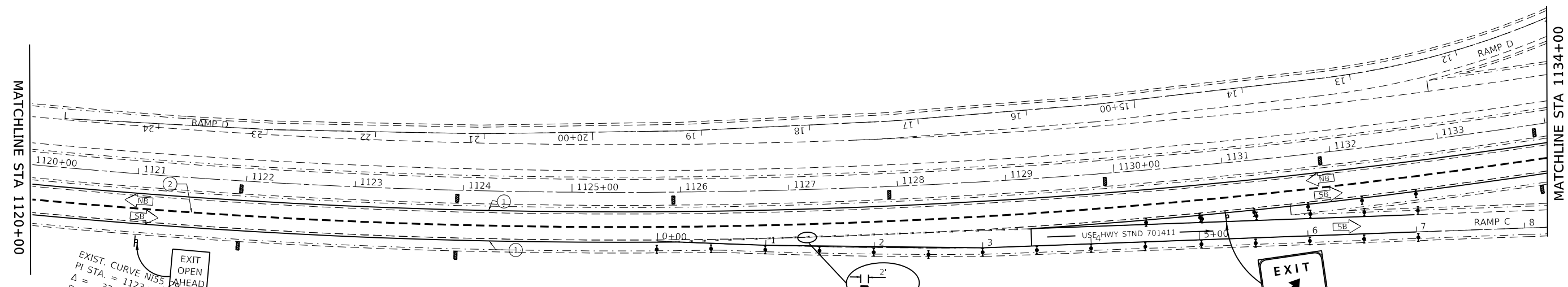
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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGE 2  
DETAILS**

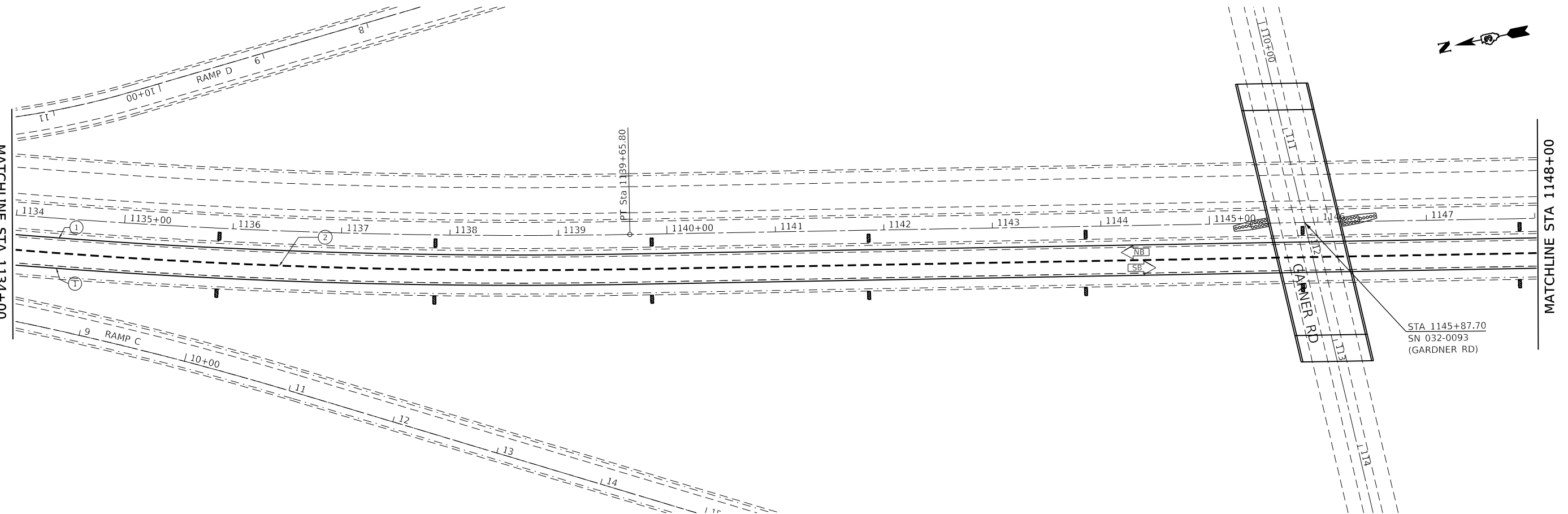
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	(32-1)RS-4	GRUNDY	154	76
CONTRACT NO. 66A51			ILLINOIS FED. AID PROJECT	



EXIST. CURVE N155° 00' 00" AHEAD  
 PI STA. = 1123+50.00 (STND 701411)  
 $\Delta = 33^\circ 04' 05''$  (LT)  
 $D = 1^\circ 00' 00''$   
 $R = 5,729.40'$   
 $T = 1,700.83'$   
 $L = 3,306.71'$   
 $E = 247.13'$   
 $e = 0.034$  FT/FT  
 T.R. = \_\_\_\_\_  
 S.E. RUN = \_\_\_\_\_  
 P.C. STA. = 1106+\_\_\_\_\_  
 P.T. STA. = \_\_\_\_\_

SYMBOLS	
	DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	ARROW BOARD
	DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
	TEMPORARY CONCRETE BARRIER WALL
	TYPE 3 BARRICADE
	DRUM
	4" PAVEMENT MARKING - POLYUREA TY 2 AT EDGES OF TRAVELED LANES, TAPERS AND AS SHOWN IN DETAILS:
	① 4" WHITE (EOP EDGE)
	② 4" YELLOW (2' O/S FROM BARRIER WALL) TYP



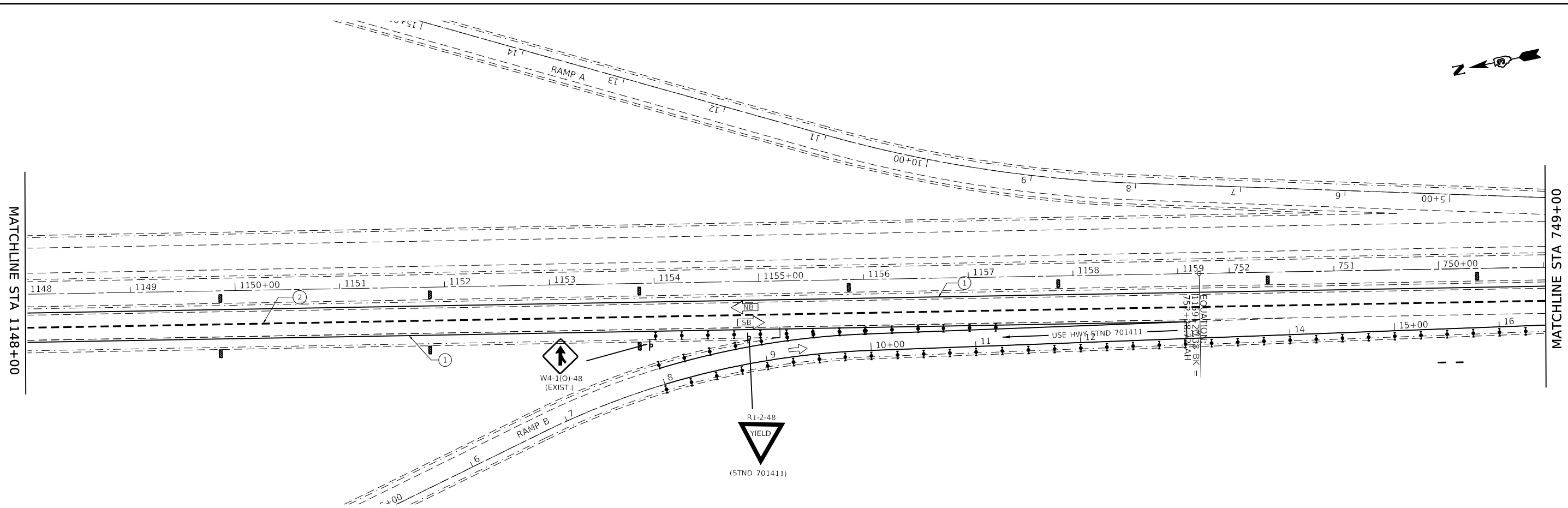
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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>STAGE 2 DETAILS</b>	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	(32-1)RS-4	GRUNDY	154	77
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				

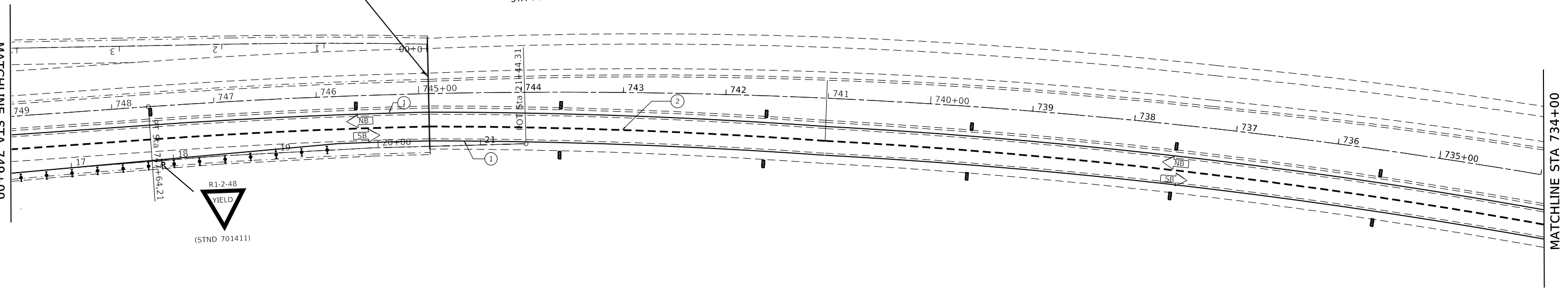


EXIST. CURVE S155.1  
 PI STA. = 731+63.97  
 $\Delta = 32^\circ 57' 16"$  (LT)  
 $D = 1^\circ 00' 01"$   
 $R = 5,727.76'$   
 $T = 1,694.17'$   
 $L = 3,294.41'$   
 $E = 245.30'$   
 $e = 0.033$  FT/FT  
 T.R. = \_\_\_\_\_  
 S.E. RUN = \_\_\_\_\_  
 P.C. STA. = 714+69.80  
 P.T. STA. = 747+64.21  
 SUPERELEVATION TRANSITION  
 STA 747+13.21 TO 749+11.21

**SYMBOLS**

- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ARROW BOARD
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- TEMPORARY CONCRETE BARRIER WALL
- TYPE 3 BARRICADE
- DRUM
- 4" PAVEMENT MARKING - POLYUREA TY 2 AT EDGES OF TRAVELED LANES, TAPERS AND AS SHOWN IN DETAILS:**
- 4" WHITE (EOP EDGE)
- 4" YELLOW (2' O/S FROM BARRIER WALL) TYP

PAVING LIMITS  
 (STA 744+90)



MODEL: \\MODELM\MTS  
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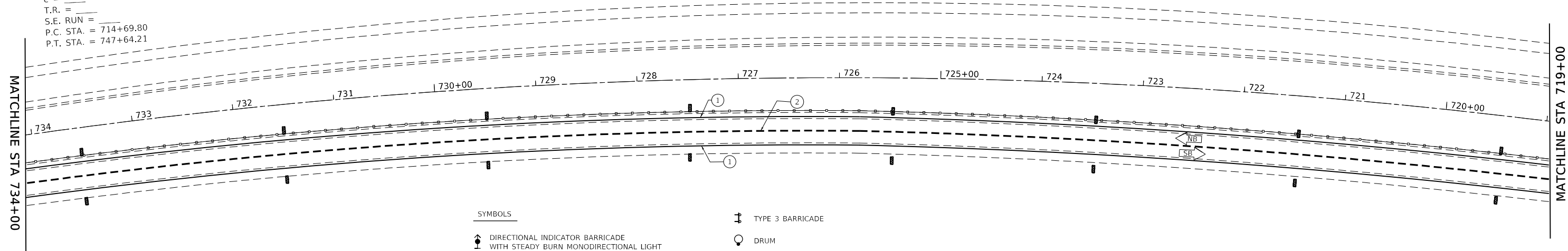
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PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>STAGE 2    DETAILS</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

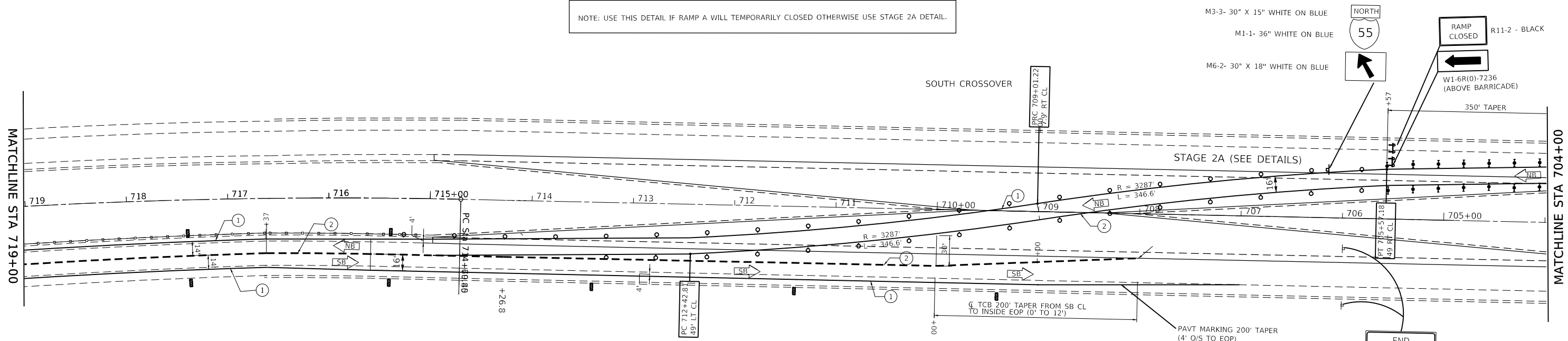
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I-55	(32-1)RS-4	GRUNDY	154	78
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66A51	

EXIST. CURVE SI55.1  
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 $T = 1,694.17'$   
 $L = 3,294.41'$   
 $E = 245.30'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 714+69.80$   
 $P.T. STA. = 747+64.21$



- SYMBOLS**
- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
  - ARROW BOARD
  - DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
  - TEMPORARY CONCRETE BARRIER WALL
  - TYPE 3 BARRICADE
  - DRUM
  - 4" PAVEMENT MARKING - POLYUREA TY 2 AT EDGES OF TRAVELED LANES, TAPERS AND AS SHOWN IN DETAILS:
    - 4" WHITE (EOP EDGE)
    - 4" YELLOW (2' O/S FROM BARRIER WALL) TYP

NOTE: USE THIS DETAIL IF RAMP A WILL TEMPORARILY CLOSED OTHERWISE USE STAGE 2A DETAIL.



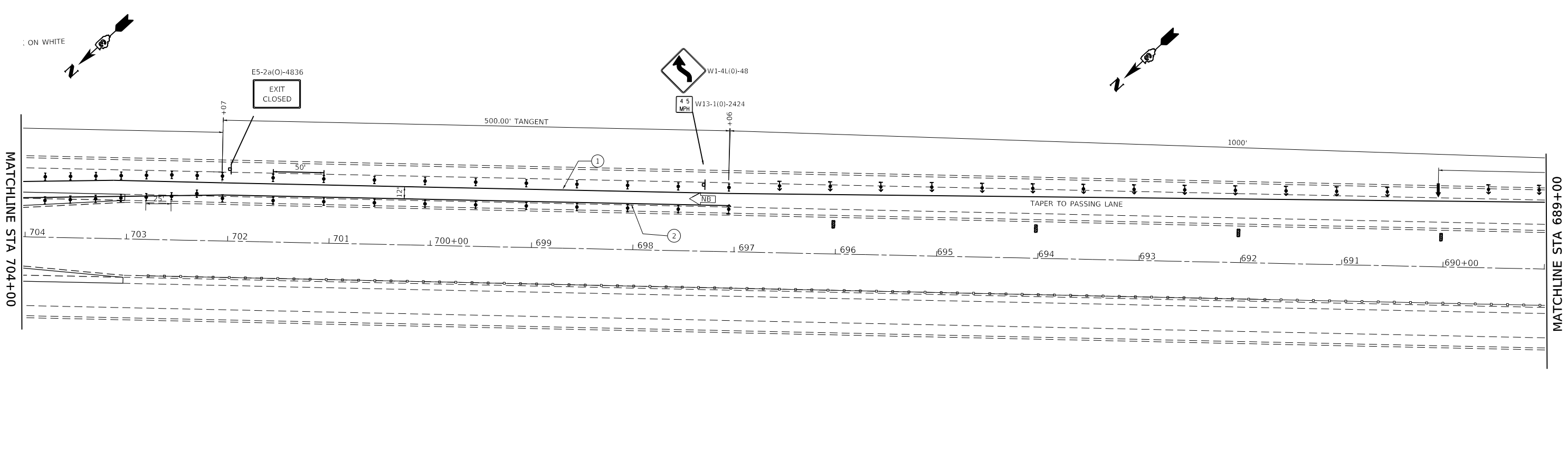
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USER NAME = calderoni	DESIGNED -	REVISED -
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PLOT DATE = 10/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

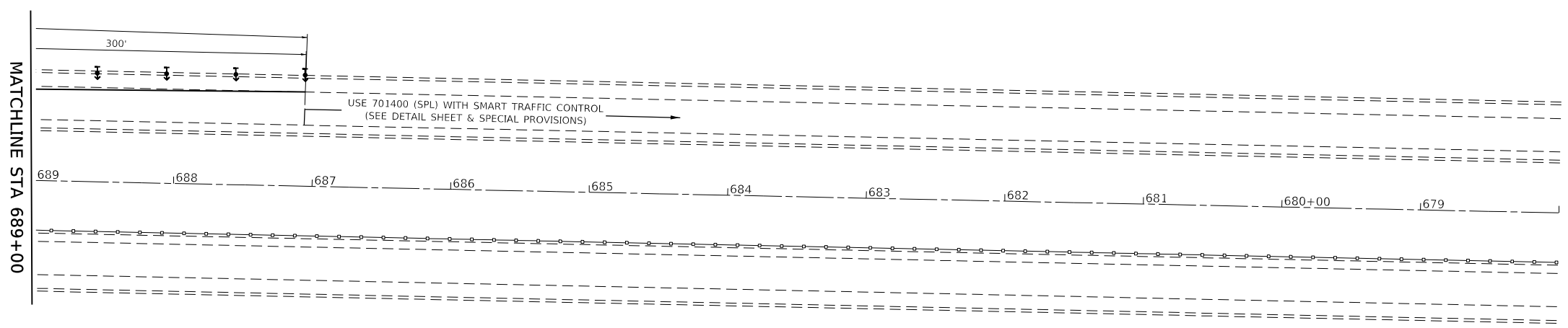
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>STAGE 2 DETAILS</b>	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	(32-1)RS-4	GRUNDY	154	79
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				



SYMBOLS	
	DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	ARROW BOARD
	DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
	TEMPORARY CONCRETE BARRIER WALL
	TYPE 3 BARRICADE
	DRUM
	4" PAVEMENT MARKING - POLYUREA TY 2 AT EDGES OF TRAVELED LANES, TAPERS AND AS SHOWN IN DETAILS:
①	4" WHITE (EOP EDGE)
②	4" YELLOW (2' O/S FROM BARRIER WALL) TYP



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USER NAME = calderon	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/22/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

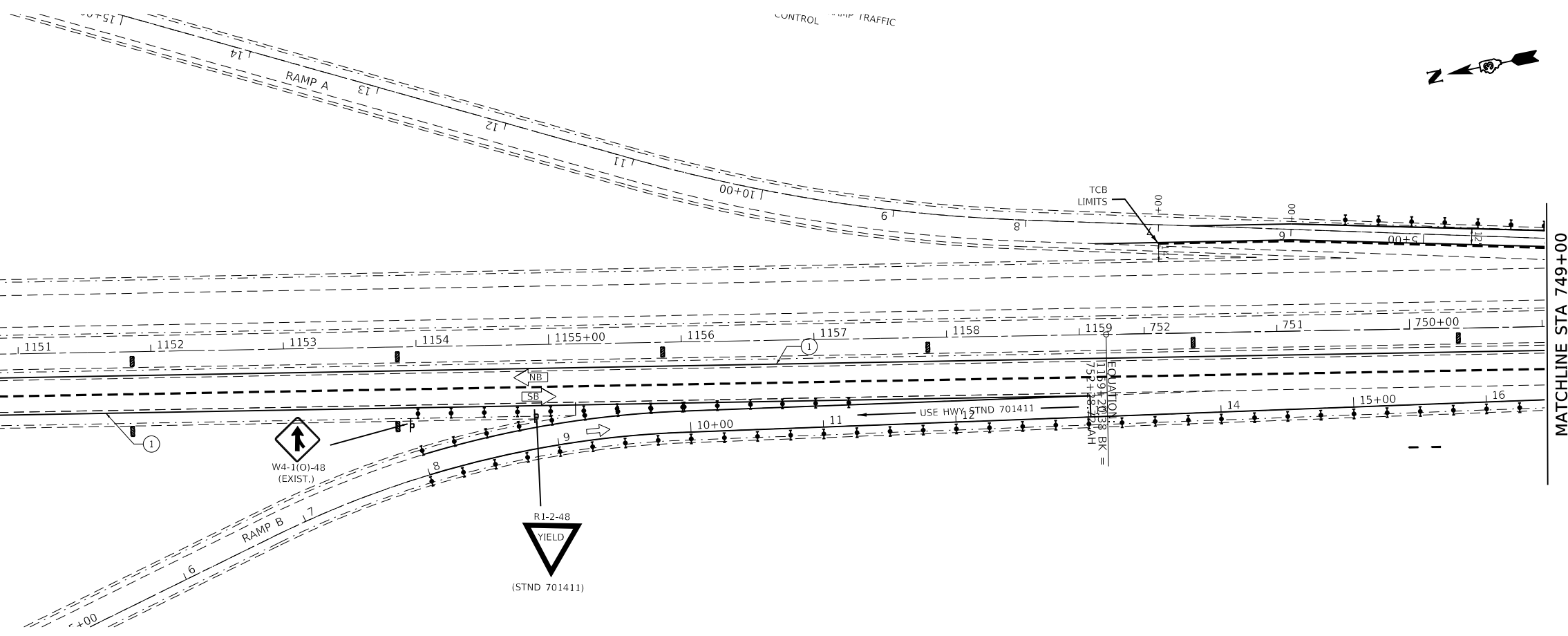
SCALE:		SHEET OF SHEETS		STA. TO STA.		<b>STAGE 2</b>	
						<b>DETAILS</b>	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	(32-1)RS-4	GRUNDY	154	80
CONTRACT NO. 66A51			ILLINOIS FED. AID PROJECT	



**STAGE 2A DETAILS**

MATCHLINE STA 1148+00

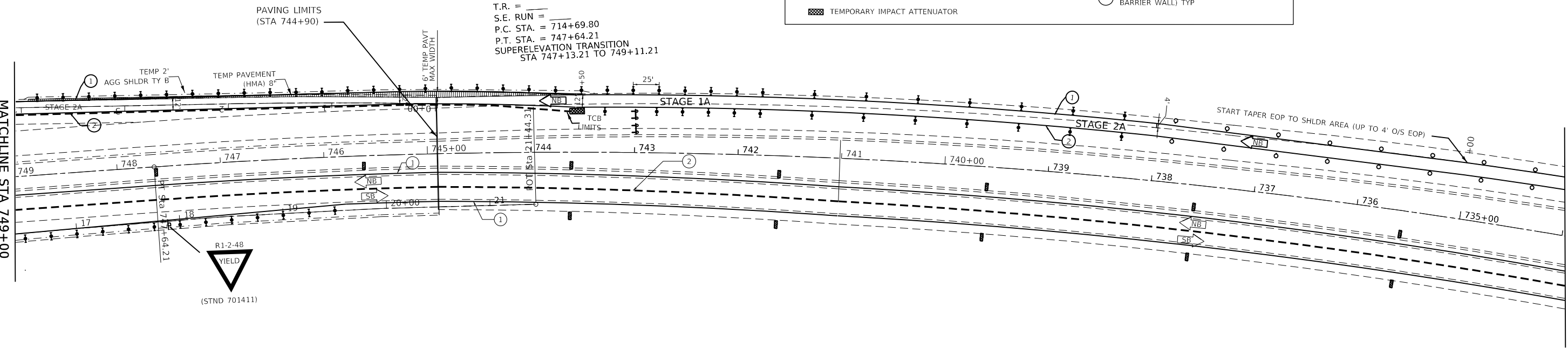


MATCHLINE STA 749+00

EXIST. CURVE SI55.1  
 PI STA. = 731+63.97  
 $\Delta = 32^\circ 57' 16''$  (LT)  
 $D = 1^\circ 00' 01''$   
 $R = 5,727.76'$   
 $T = 1,694.17'$   
 $L = 3,294.41'$   
 $E = 245.30'$   
 $e = 0.033$  FT/FT  
 T.R. = \_\_\_\_\_  
 S.E. RUN = \_\_\_\_\_  
 P.C. STA. = 714+69.80  
 P.T. STA. = 747+64.21  
 SUPERELEVATION TRANSITION  
 STA 747+13.21 TO 749+11.21

SYMBOLS	
	DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
	ARROW BOARD
	DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
	TEMPORARY CONCRETE BARRIER WALL
	TEMPORARY IMPACT ATTENUATOR
	TYPE 3 BARRICADE
	DRUM
	4" PAVEMENT MARKING - POLYUREA TY 2 AT EDGES OF TRAVELED LANES, TAPERS AND AS SHOWN IN DETAILS:
	① 4" WHITE (EOP EDGE)
	② 4" YELLOW (2' O/S FROM BARRIER WALL) TYP

MATCHLINE STA 749+00



MATCHLINE STA 734+00

USER NAME = calderoni	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**STAGE 2A  
 DETAILS**

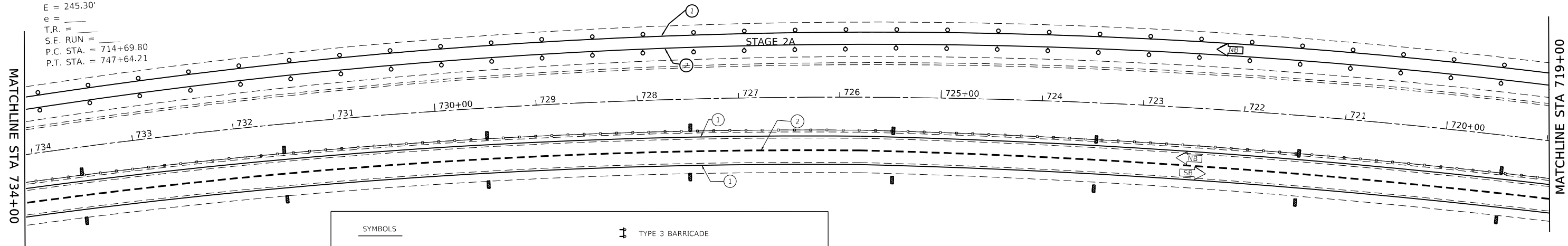
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.1 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	(32-1)RS-4	GRUNDY	154	81
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				

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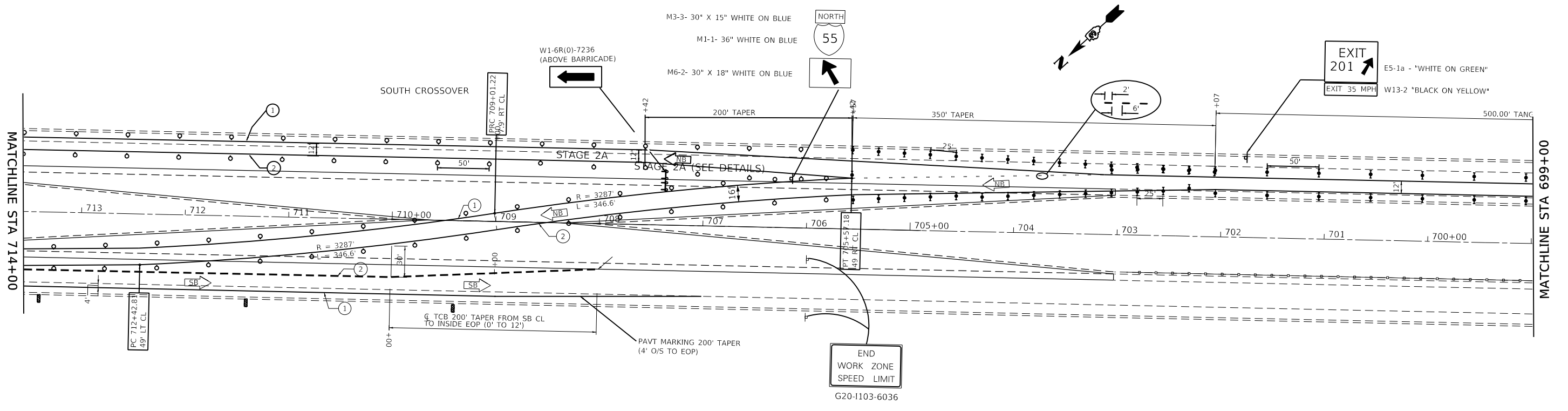
# STAGE 2A DETAILS

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 $\Delta = 32^\circ 57' 16''$  (LT)  
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 $R = 5,727.76'$   
 $T = 1,694.17'$   
 $L = 3,294.41'$   
 $E = 245.30'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 714+69.80$   
 $P.T. STA. = 747+64.21$



**SYMBOLS**

- DIRECTIONAL INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ARROW BOARD
- DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- TEMPORARY CONCRETE BARRIER WALL
- TYPE 3 BARRICADE
- DRUM
- 4" PAVEMENT MARKING - POLYUREA TY 2 AT EDGES OF TRAVELED LANES, TAPERS AND AS SHOWN IN DETAILS:**
  - 4" WHITE (EOP EDGE)
  - 4" YELLOW (2' O/S FROM BARRIER WALL) TYP



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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/22/2019	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>STAGE 2A DETAILS</b>	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	(32-1)RS-4	GRUNDY	154	82
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				

EXISTING STRUCTURE: SN 032-0005 AND 032-0006 ARE TWIN 3-SPAN BRIDGES CONSISTING OF 3-SPAN CONTINUOUS COMPOSITE WF GIRDERS UNITS ON STUB ABUTMENTS AND R.C. CURTAIN WALL PIERS. IT WAS CONSTRUCTED IN 1955 AS SECTION 91F-1. IN 1993 THE SUPERSTRUCTURES WERE REPLACED AND WIDENED. IN 1998 THE BRIDGES WERE PAINTED. IN 2012 AND 2016 CONCRETE SEALER WAS APPLIED. TRAFFIC WILL BE MAINTAINED BY CLOSING ONE BRIDGE AT A TIME USING CROSSOVERS.

**GENERAL NOTES**

PRIOR TO POURING THE NEW CONCRETE DECK, ALL HEAVY OR LOOSE RUST, LOOSE MILL SCALE, AND OTHER LOOSE OR POTENTIALLY DETRIMENTAL FOREIGN MATERIAL SHALL BE REMOVED FROM THE SURFACES IN CONTACT WITH CONCRETE. TIGHTLY ADHERED PAINT MAY REMAIN UNLESS OTHERWISE NOTED. REMOVAL SHALL BE ACCOMPLISHED BY METHODS THAT WILL NOT DAMAGE THE STEEL AND THE COST WILL BE INCLUDED IN THE PAY ITEM COVERING REMOVAL OF THE EXISTING CONCRETE.

BRIDGE DECK CONCRETE SEALER SHALL BE APPLIED TO ALL NEWLY PLACED CONCRETE SURFACES, INCLUDING THE APPROACHES AND TOP AND INSIDE FACES OF THE PARAPET.

REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

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

JOINT OPENING SHALL BE ADJUSTED ACCORDING TO ARTICLE 520.04 OF THE STANDARD SPECIFICATIONS WHEN THE DECK IS POURED AT AN AMBIENT TEMPERATURE OTHER THAN 50 DEGREES F.

AREAS OF DECK REPAIRS ARE ESTIMATED. THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS.

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

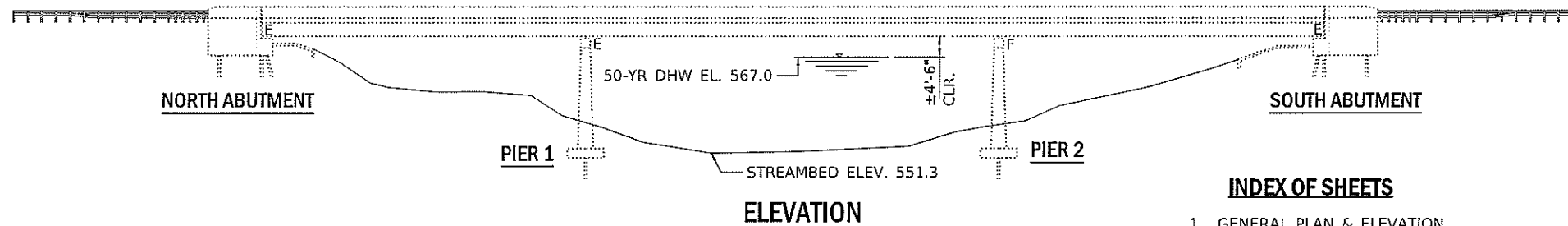
SYNTHETIC FIBERS SHALL BE ADDED TO THE BRIDGE DECK LATEX CONCRETE OVERLAY, SEE SPECIAL PROVISIONS

**SCOPE OF WORK**

1. REMOVE AND REPLACE EXISTING EXPANSION JOINTS AT ABUTMENTS WITH PREFORMED JOINT STRIP SEALS.
2. SCARIFY DECK SURFACE OF BRIDGE AND APPROACH SPANS.
3. PERFORM DECK SLAB REPAIRS AND STRUCTURAL REPAIR OF CONCRETE.
4. ADJUST APPROACH INLETS.
5. PLACE LATEX CONCRETE OVERLAY ON BRIDGE AND APPROACHES.
6. PERFORM BRIDGE DECK GROOVING.

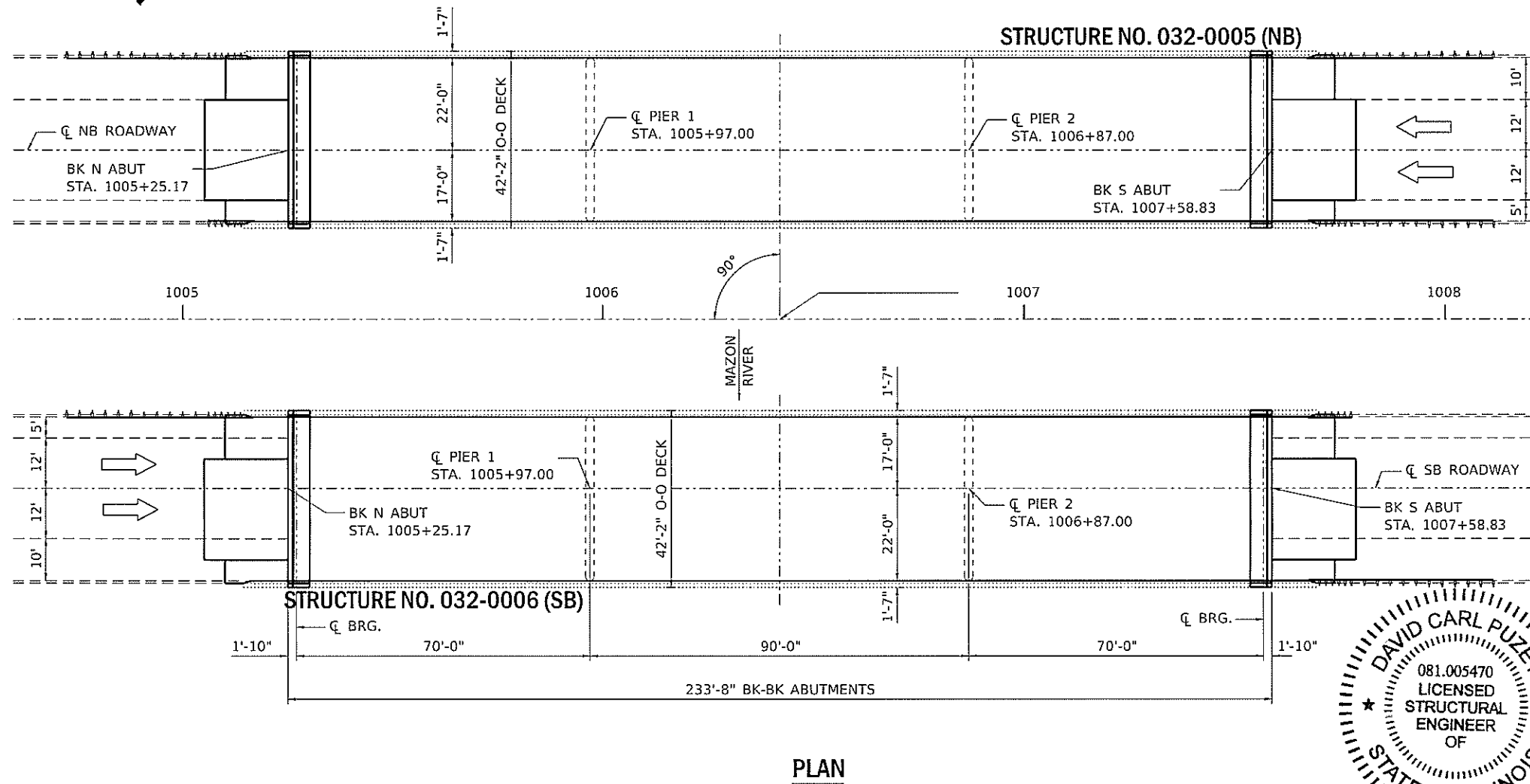
**TOTAL BILL OF MATERIAL  
2 SUPERSTRUCTURES**

ITEM	UNIT	TOTAL
CONCRETE REMOVAL	CU YD	26.4
CONCRETE SUPERSTRUCTURE	CU YD	28.8
REINFORCEMENT BARS, EPOXY COATED	POUND	3520
PROTECTIVE COAT	SQ FT	21132
PREFORMED JOINT STRIP SEAL	FOOT	164
BRIDGE DECK SCARIFICATION, 3/4"	SQ YD	2280
BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/4 INCHES	SQ YD	2280
BRIDGE DECK GROOVING	SQ YD	2164
DRAINAGE SCUPPERS TO BE ADJUSTED	EACH	8
DECK SLAB REPAIR (FULL DEPTH, TYPE 1)	SQ YD	10
DECK SLAB REPAIR (FULL DEPTH, TYPE 2)	SQ YD	10
FLOOR DRAIN EXTENSION	EACH	52



**INDEX OF SHEETS**

1. GENERAL PLAN & ELEVATION
2. SUPERSTRUCTURE REMOVAL DETAILS
3. SUPERSTRUCTURE REPAIR DETAILS 1
4. SUPERSTRUCTURE REPAIR DETAILS 2
5. SCARIFICATION AND OVERLAY DETAILS
6. DECK SLAB REPAIRS - "AS-BUILTS"
7. EXISTING SCUPPER ADJUSTMENT DETAIL
8. PREFORMED JOINT STRIP SEAL



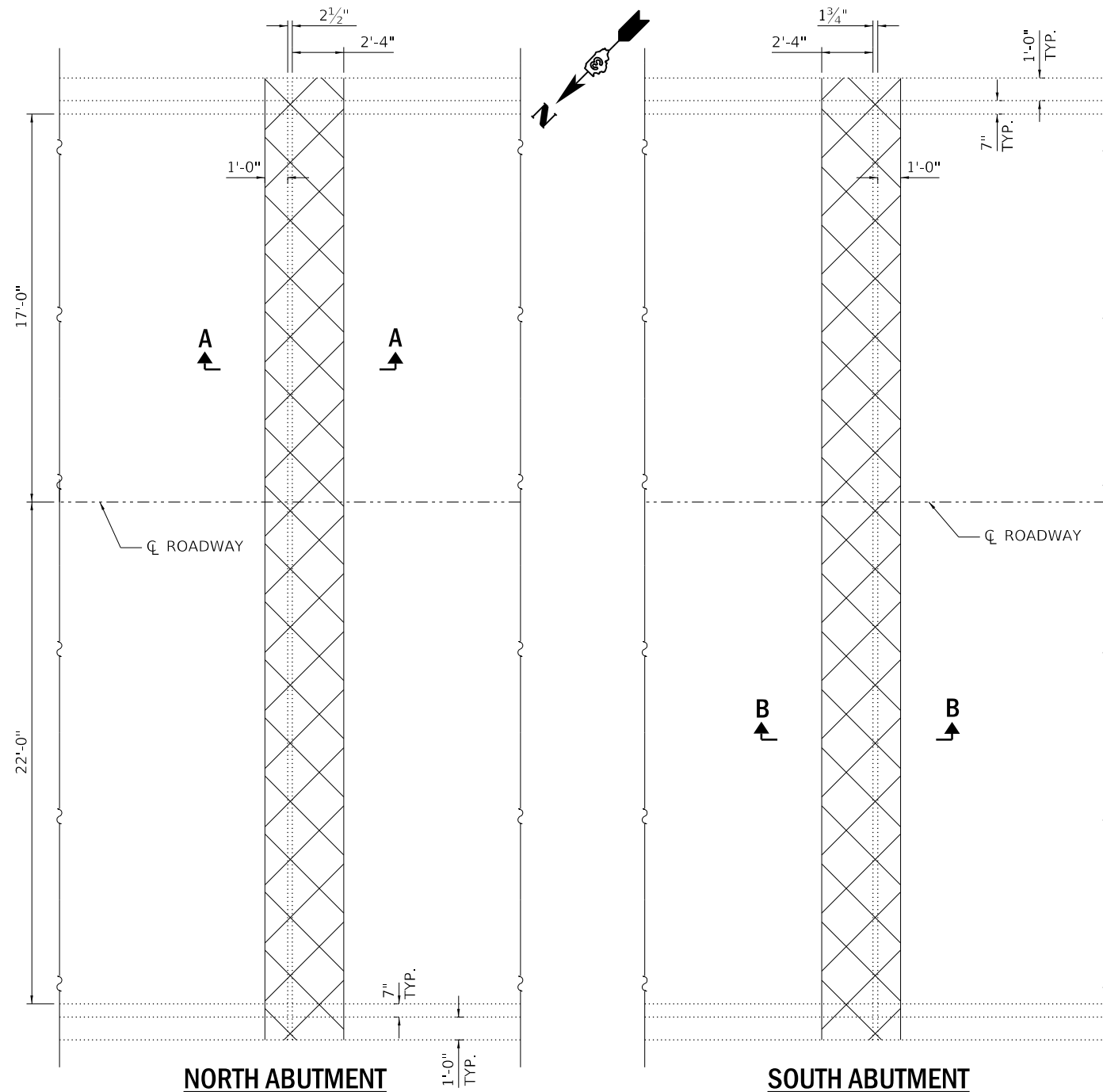
DAVID CARL PUZEY  
081.005470  
LICENSED  
STRUCTURAL  
ENGINEER  
OF  
STATE OF ILLINOIS  
*As Carl Puze 11/26/19  
Expires 11/30/20*

MODEL: XHOEIMANES  
FILE NAME: c:\pwworkspace\lightbulb\project\02603110386651.dwg

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PLOT SCALE - 100.0000' / in.	DRAWN - BDS	REVISED -
PLOT DATE - 10/22/2019	CHECKED - SPF	REVISED -
	DATE - 3/21/2019	REVISED -

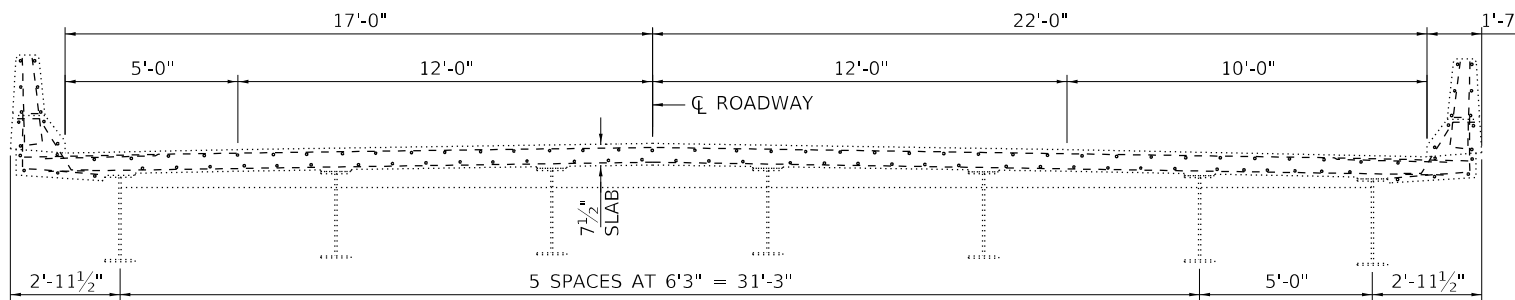
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SN 032-0005 AND SN 032-0006		55	(32-1)RS-4	GRUNDY	154	83
SCALE: SHEET 1 OF 8 SHEETS		STA. TO STA.		CONTRACT NO. 66A51		
				ILLINOIS FED. AID PROJECT		



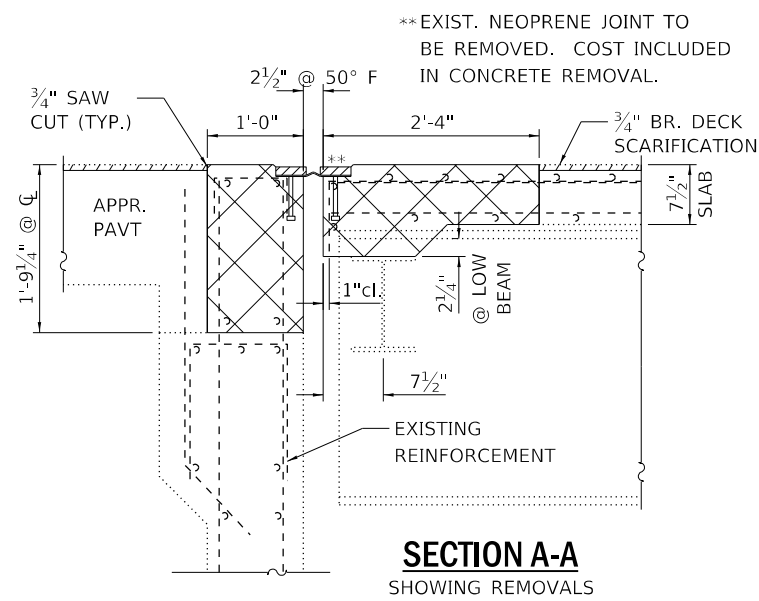
**NORTH ABUTMENT**

**SOUTH ABUTMENT**

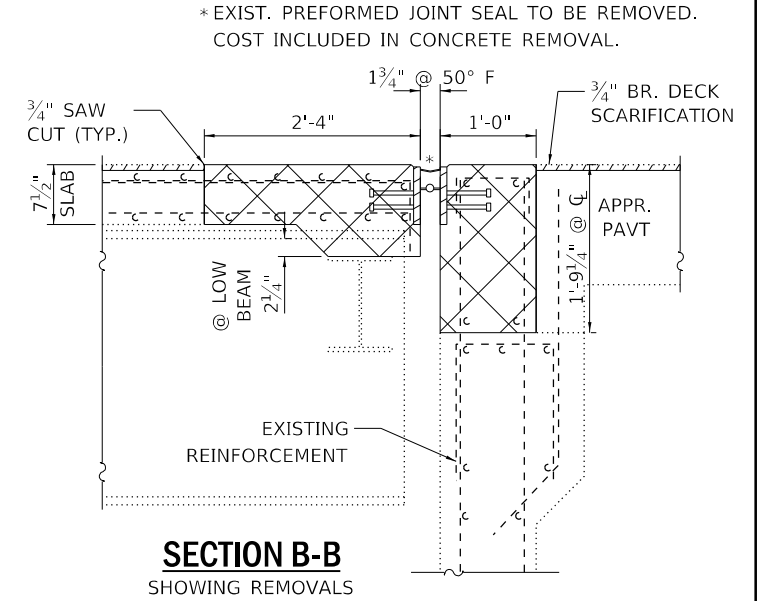


**CROSS SECTION**

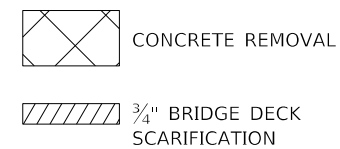
LOOKING SOUTH AT EXPANSION JOINT



**SECTION A-A**  
SHOWING REMOVALS



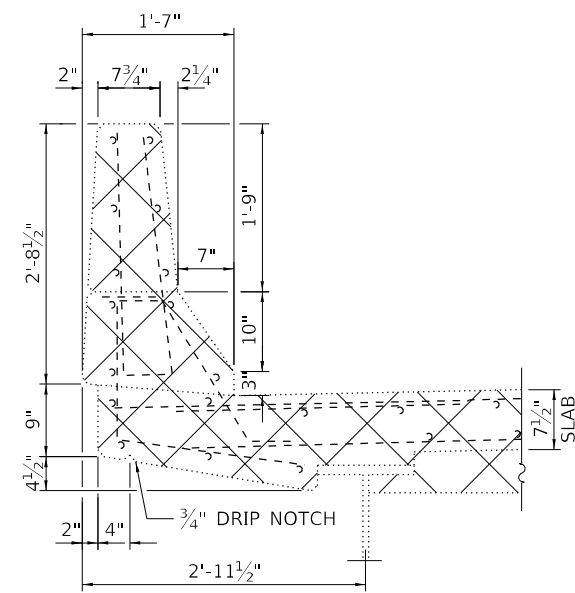
**SECTION B-B**  
SHOWING REMOVALS



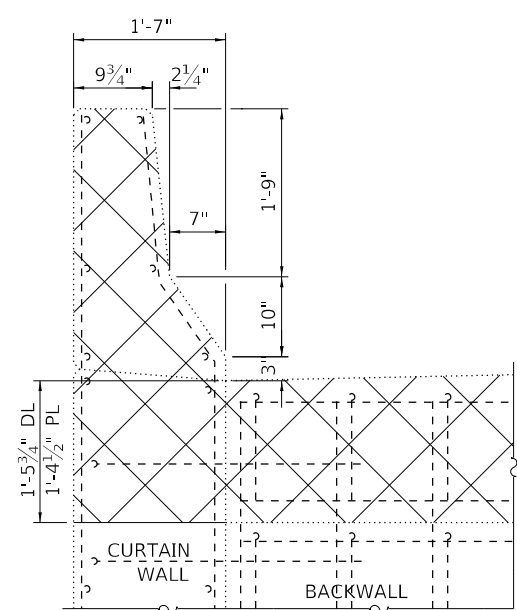
**NOTES**

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

EXISTING REINFORCEMENT WITHIN CONCRETE REMOVAL AREAS SHALL BE REMOVED.



**SECTION THRU PARAPET DECK**



**SECTION THRU PARAPET APPROACH**

NOTE: DETAILS SHOWN ARE FOR SOUTHBOUND STRUCTURE. NORTHBOUND STRUCTURE SHALL BE SIMILAR ABOUT LONGITUDINAL AXIS.

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DRAWN - BDS	REVISED -	
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PLOT DATE = 10/22/2019	DATE - 3/21/2019	REVISED -

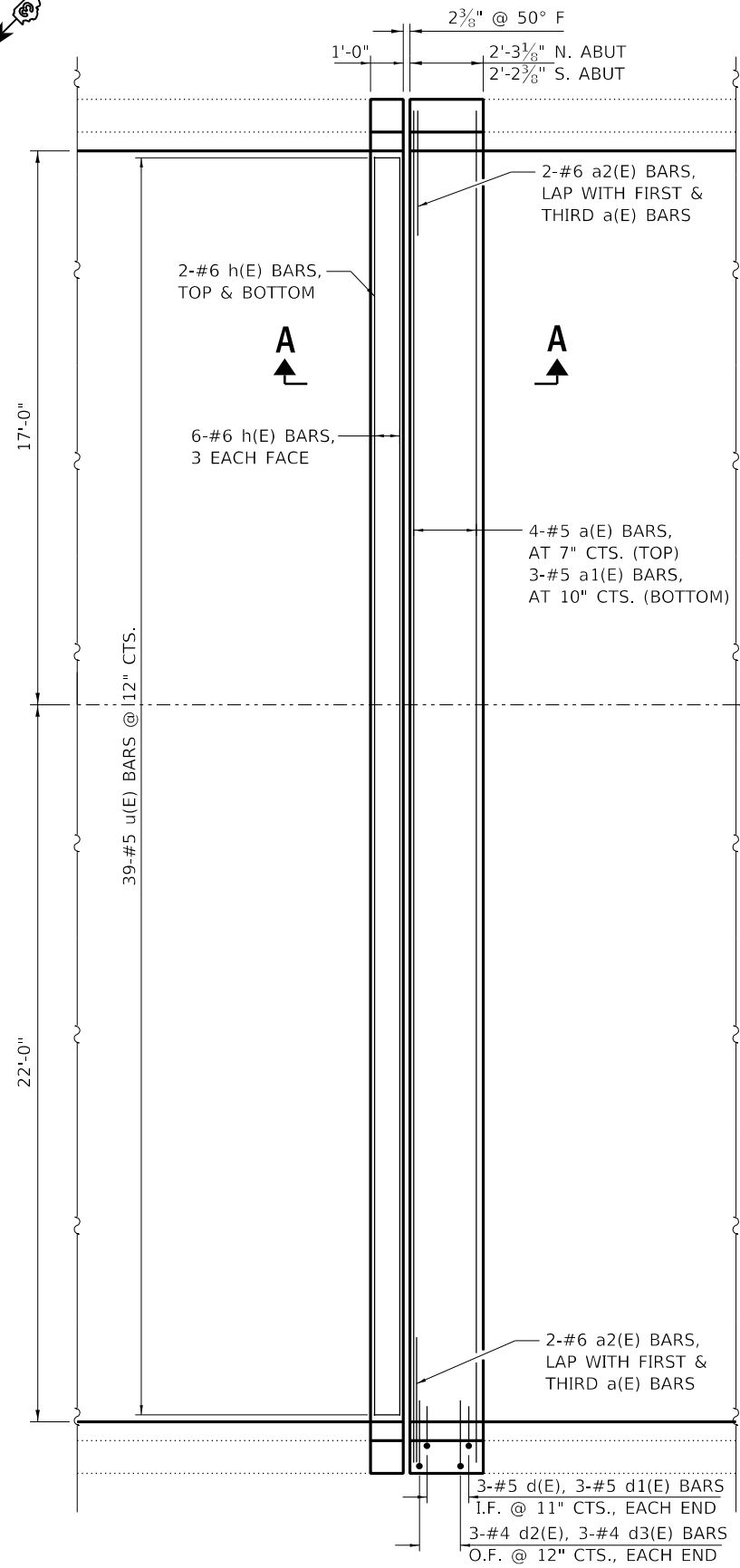
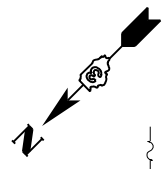
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE REMOVAL DETAILS**  
**SN 032-0005 AND SN 032-0006**

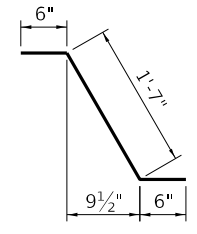
SCALE: SHEET 2 OF 8 SHEETS STA. TO STA.

F.A.I. RTE. 55	SECTION (32-1)RS-4	COUNTY GRUNDY	TOTAL SHEETS 154	SHEET NO. 84
			CONTRACT NO. 66A51	
ILLINOIS FED. AID PROJECT				

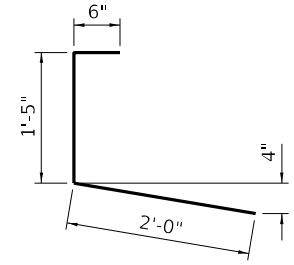
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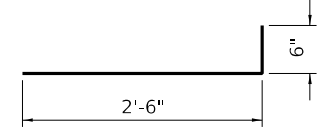
**PLAN VIEW**



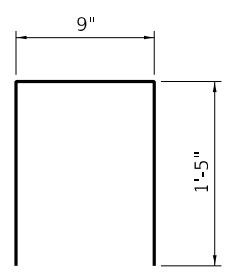
**BAR d1(E)**



**BAR d3(E)**

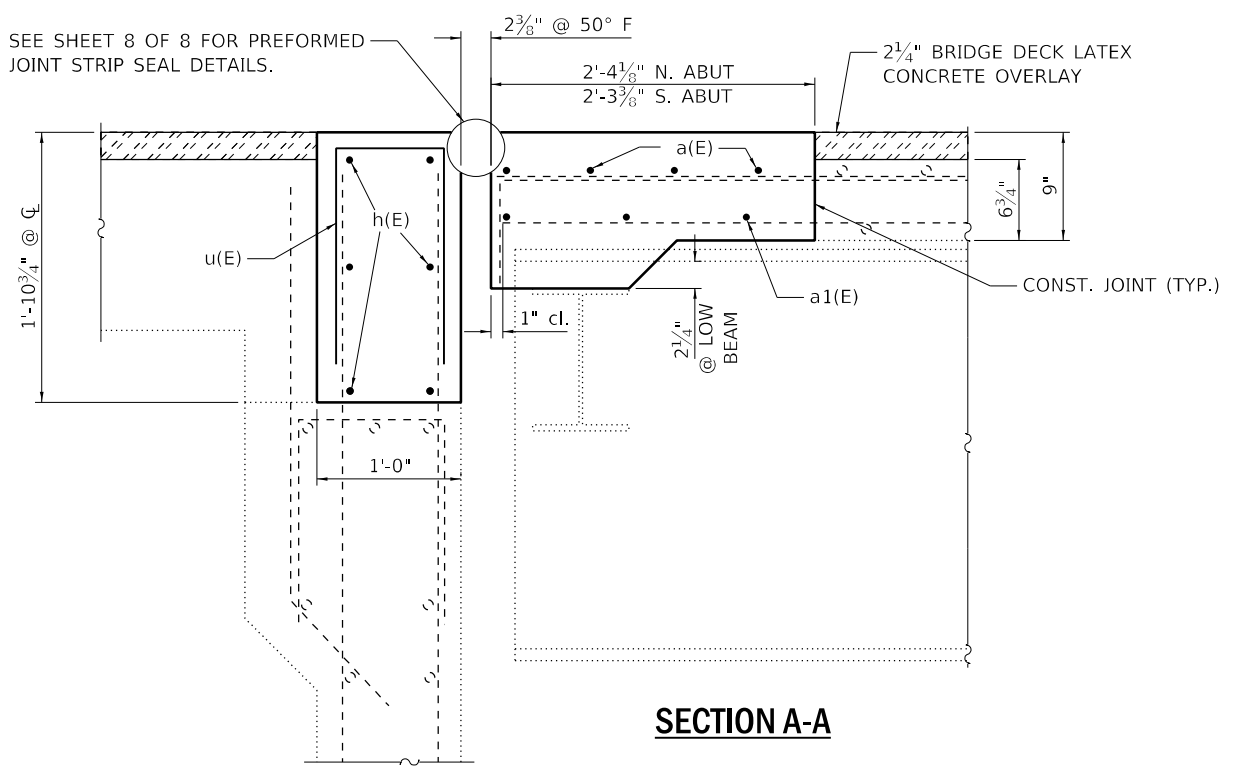


**BAR d(E) & d2(E)**



**BAR u(E)**

SEE SHEET 8 OF 8 FOR PREFORMED JOINT STRIP SEAL DETAILS.



**SECTION A-A**

**BILL OF MATERIALS  
STRUCTURE NO. 032-0005 (NB)**

BAR	NO.	SIZE	LENGTH	SHAPE		
a (E)	8	#5	41' - 6"	—		
a1 (E)	6	#5	39' - 6"	—		
a2 (E)	8	#6	4' - 0"	—		
d (E)	12	#5	3' - 0"	┌		
d1 (E)	12	#5	2' - 7"	┌		
d2 (E)	12	#4	3' - 0"	┌		
d3 (E)	12	#4	3' - 11"	┌		
h (E)	12	#6	38' - 10"	—		
u (E)	78	#5	3' - 7"	┌		
CONCRETE REMOVAL					CU YD	13.2
CONCRETE SUPERSTRUCTURE					CU YD	14.4
REINFORCEMENT BARS, EPOXY COATED					POUND	1760
FLOOR DRAIN EXTENSION					EACH	26

**BILL OF MATERIALS  
STRUCTURE NO. 032-0006 (SB)**

BAR	NO.	SIZE	LENGTH	SHAPE		
a (E)	8	#5	41' - 6"	—		
a1 (E)	6	#5	39' - 6"	—		
a2 (E)	8	#6	4' - 0"	—		
d (E)	12	#5	3' - 0"	┌		
d1 (E)	12	#5	2' - 7"	┌		
d2 (E)	12	#4	3' - 0"	┌		
d3 (E)	12	#4	3' - 11"	┌		
h (E)	12	#6	38' - 10"	—		
u (E)	78	#5	3' - 7"	┌		
CONCRETE REMOVAL					CU YD	13.2
CONCRETE SUPERSTRUCTURE					CU YD	14.4
REINFORCEMENT BARS, EPOXY COATED					POUND	1760
FLOOR DRAIN EXTENSION					EACH	26

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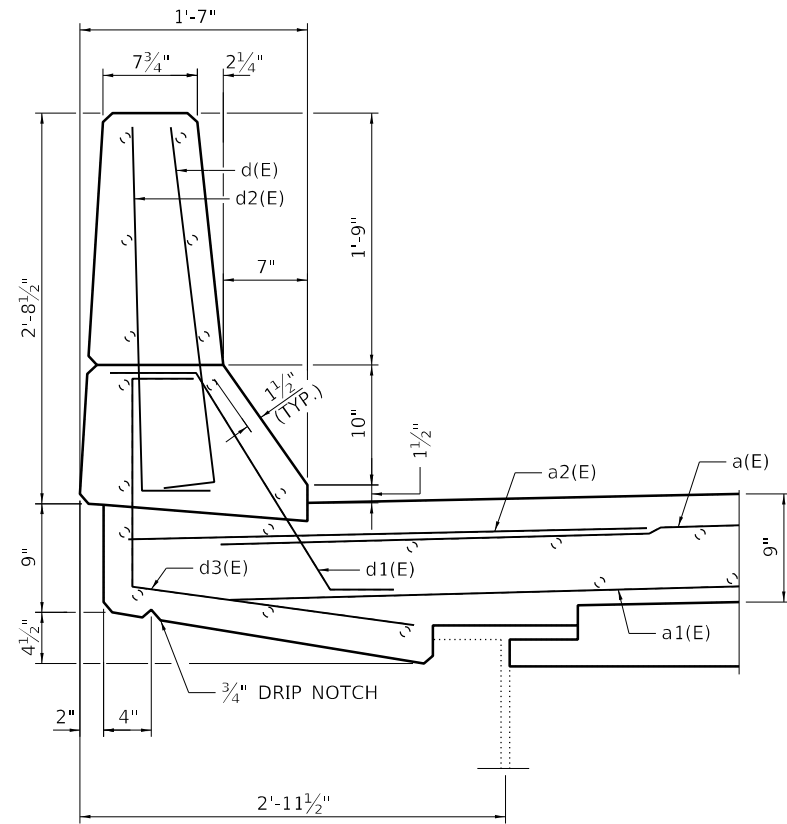
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

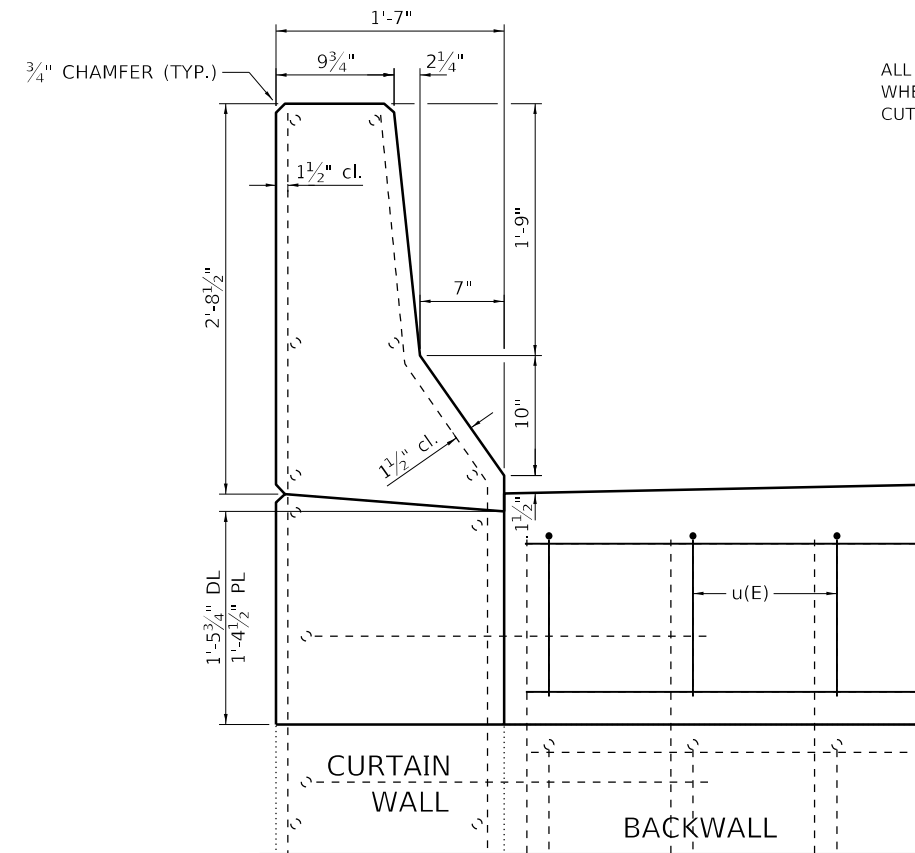
**SUPERSTRUCTURE REPAIR DETAILS  
SN 032-0005 AND SN 032-0006**

SCALE: SHEET 3 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	85
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				



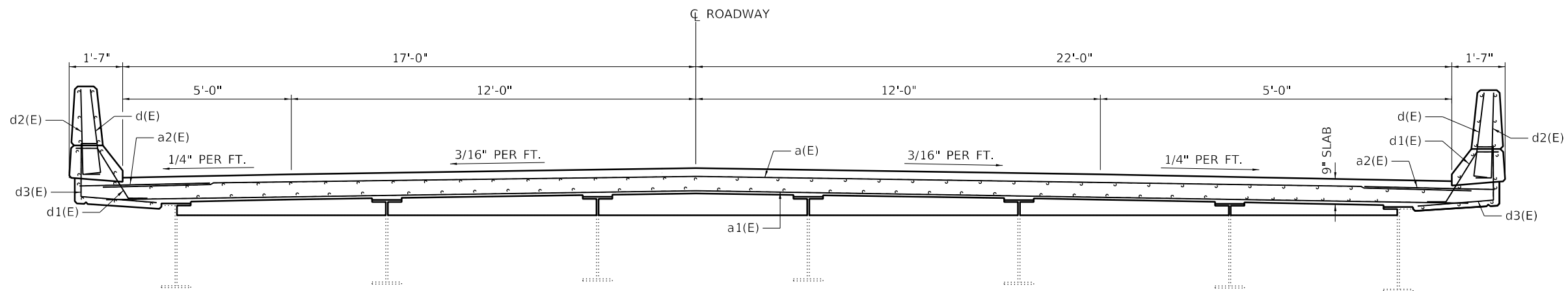
**SECTION THRU PARAPET  
DECK**



**SECTION THRU PARAPET  
APPROACH**

**NOTES**

ALL REINFORCEMENT BARS SHALL BE ORDERED FULL LENGTH. WHENEVER NECESSARY THE REINFORCEMENT BARS SHALL BE CUT TO FIT THE NEW CONSTRUCTION.



**CROSS SECTION**  
SB STRUCTURE LOOKING SOUTH AT EXPANSION JOINT  
NB STRUCTURE LOOKING NORTH AT EXPANSION JOINT

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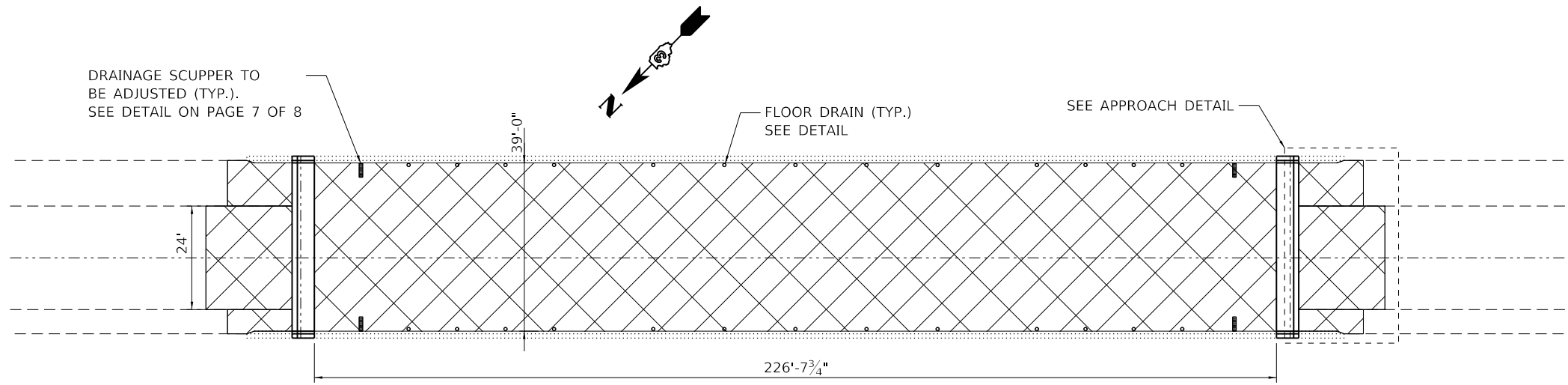
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

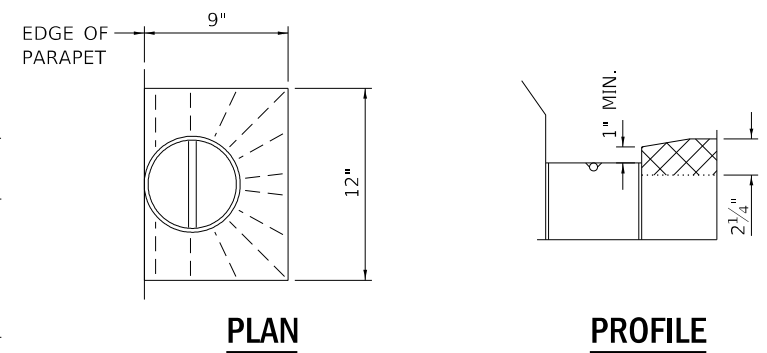
**SUPERSTRUCTURE REPAIR DETAILS  
SN 032-0005 AND SN 032-0006**

SCALE: SHEET 4 OF 8 SHEETS STA. TO STA.

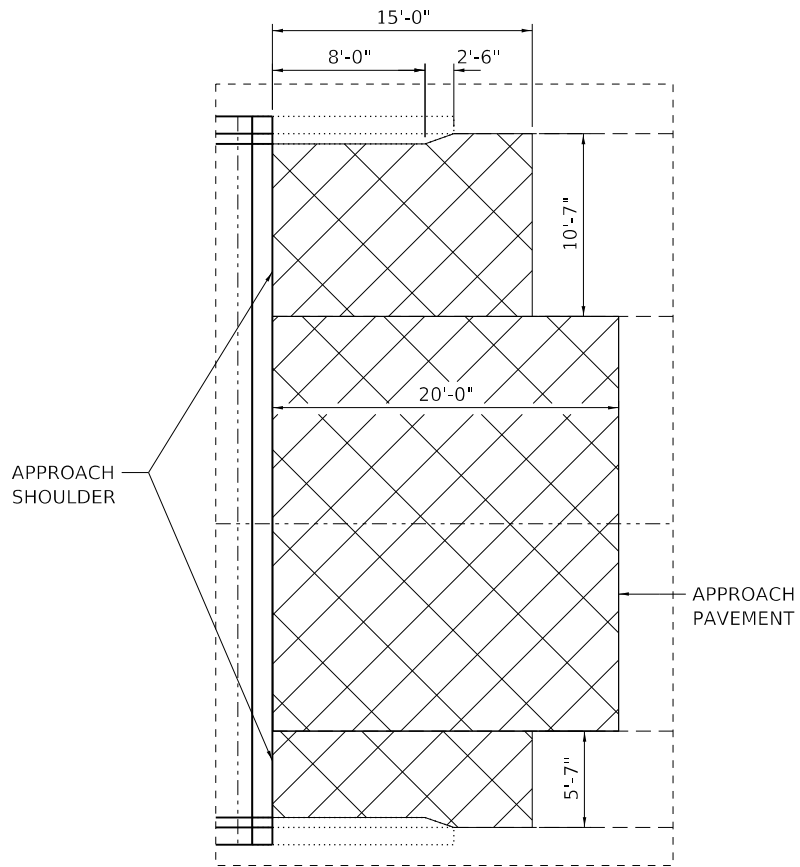
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55	(32-1)RS-4	GRUNDY	154	86
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				



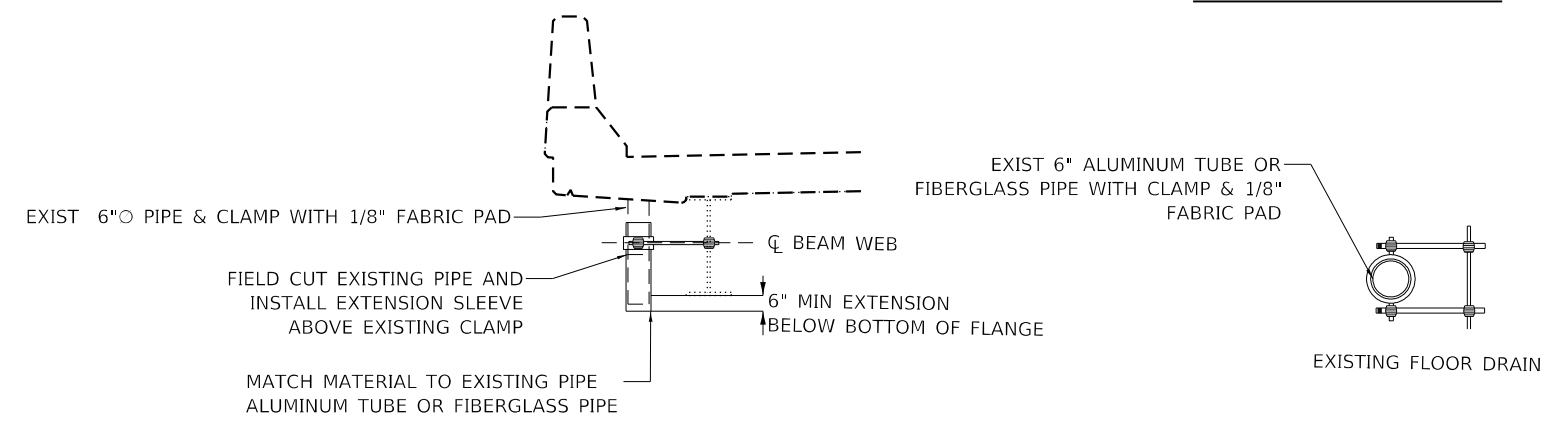
**PLAN**



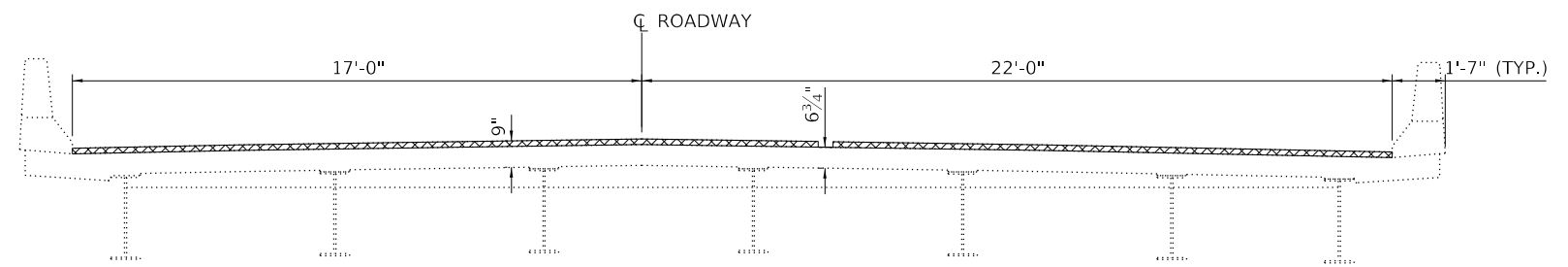
**FLOOR DRAIN DETAILS**



**APPROACH DETAIL**



**FLOOR DRAIN EXTENSIONS**



**CROSS SECTION**

3/4" BRIDGE DECK SCARIFICATION AND 2 1/4" LATEX CONCRETE OVERLAY

**BILL OF MATERIALS  
STRUCTURE NO. 032-0005 (NB)**

PROTECTIVE COAT	SQ FT	10566
BRIDGE DECK SCARIFICATION, 3/4"	SQ YD	1140
BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/4 INCHES	SQ YD	1140
BRIDGE DECK GROOVING	SQ YD	1082
DECK SLAB REPAIR (FULL DEPTH, TYPE 1)	SQ YD	5
DECK SLAB REPAIR (FULL DEPTH, TYPE 2)	SQ YD	5

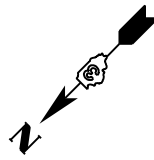
**BILL OF MATERIALS  
STRUCTURE NO. 032-0006 (SB)**

PROTECTIVE COAT	SQ FT	10566
BRIDGE DECK SCARIFICATION, 3/4"	SQ YD	1140
BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/4 INCHES	SQ YD	1140
BRIDGE DECK GROOVING	SQ YD	1082
DECK SLAB REPAIR (FULL DEPTH, TYPE 1)	SQ YD	5
DECK SLAB REPAIR (FULL DEPTH, TYPE 2)	SQ YD	5

NOTE: DETAILS SHOWN ARE FOR NORTHBOUND STRUCTURE. SOUTHBOUND STRUCTURE SHALL BE SIMILAR ABOUT LONGITUDINAL AXIS.

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SCALE: SHEET 5 OF 8 SHEETS STA. TO STA.					



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PLOT DATE = 10/22/2019	DATE - 3/21/2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DECK SLAB REPAIRS - "AS-BUILTS"  
 SN 032-0005 AND SN 032-0006**

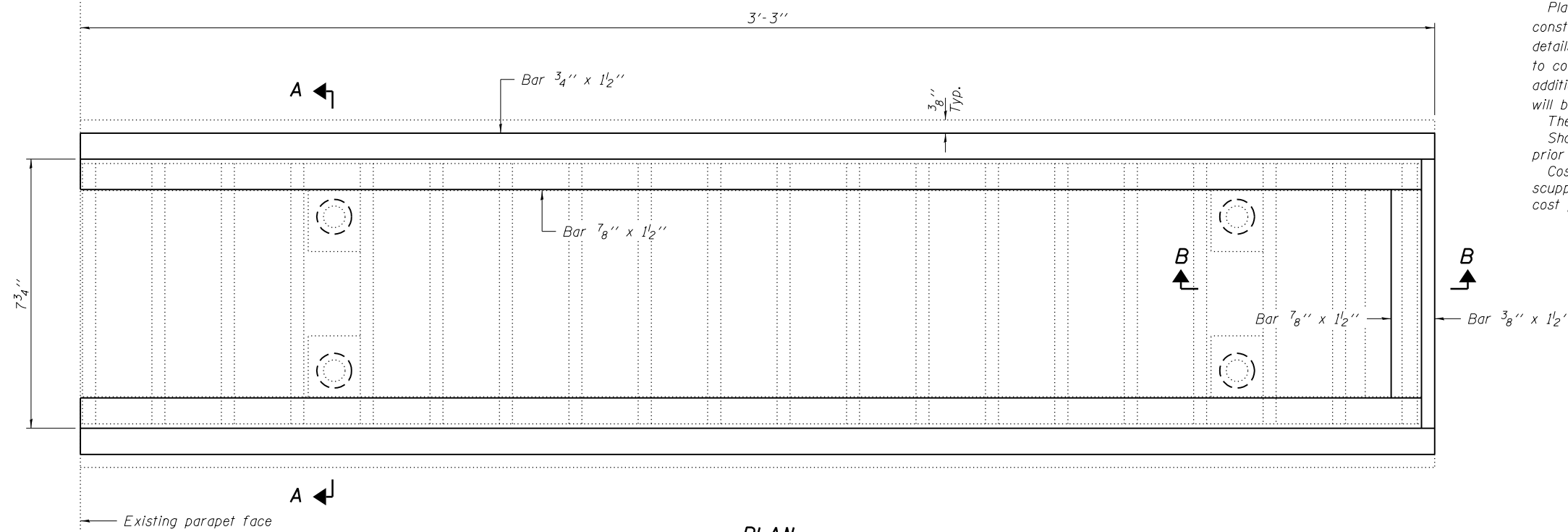
SCALE: SHEET 6 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	88
				CONTRACT NO. 66A51
		ILLINOIS	FED. AID PROJECT	

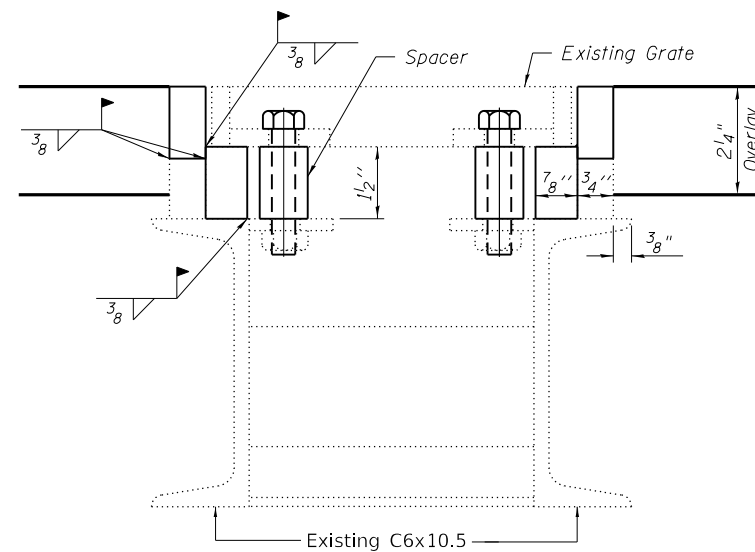


**GENERAL NOTES**

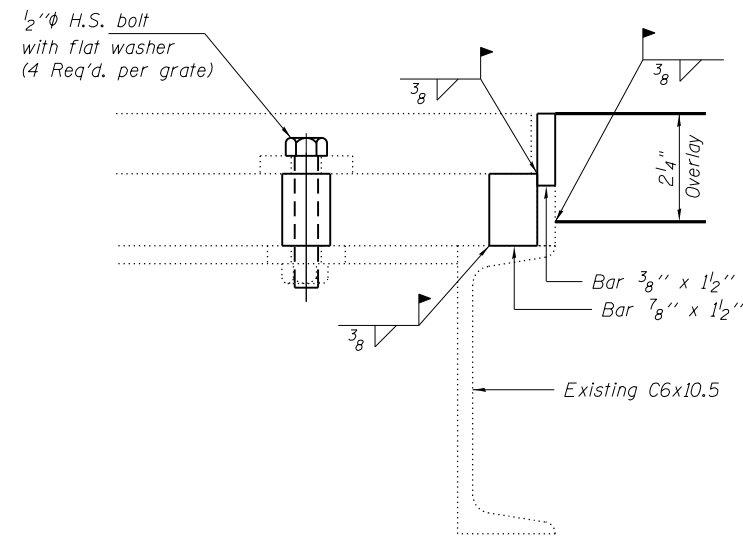
All structural steel shall conform to AASHTO Classification M-270 Gr. 36.  
 The adjusting scupper ring shall be galvanized.  
 Bolts shall be 1/2"φ, AASHTO M164 Type I, mechanically galvanized.  
 Plan dimensions and details relative to existing plans are subject to nominal construction variations. 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.  
 The contractor shall ensure that no damage is done to existing grates to be reused.  
 Shop plans for proposed adjusting scupper ring shall be submitted for approval prior to fabrication.  
 Cost of all labor and materials necessary to remove existing grates, clean existing scuppers, install adjusting scupper rings and reinstalling grates is included in the cost per unit each for Adjust Existing Scupper.



**PLAN**



**SECTION A-A**



**SECTION B-B**

**BILL OF MATERIAL**

Item	Unit	Total
Adjust Existing Scupper	Each	8

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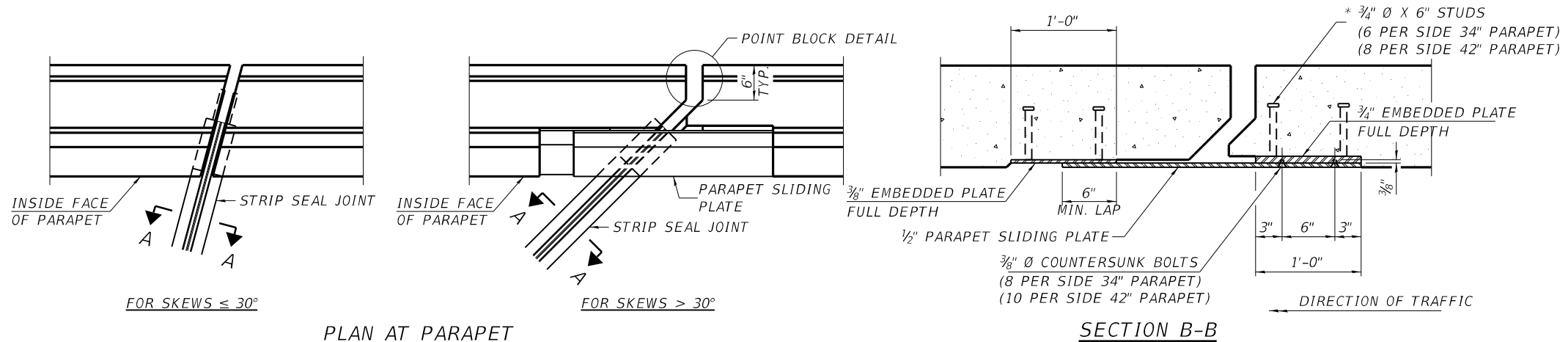
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

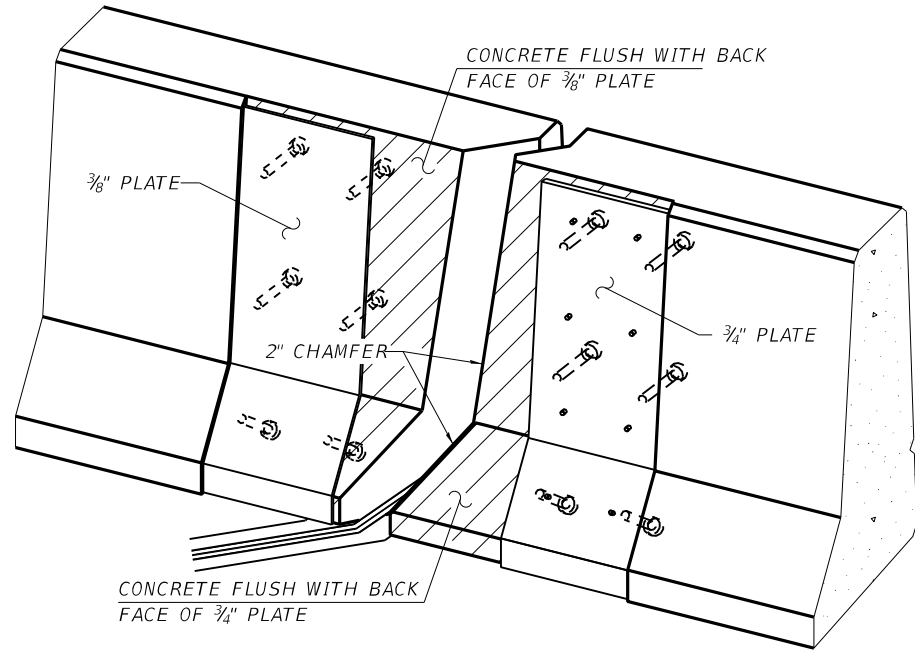
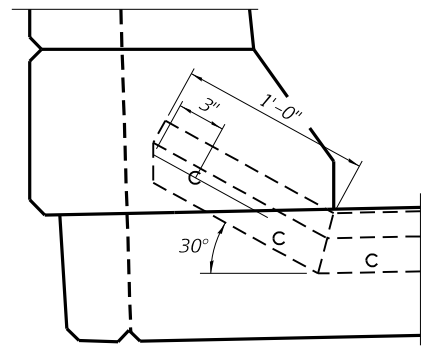
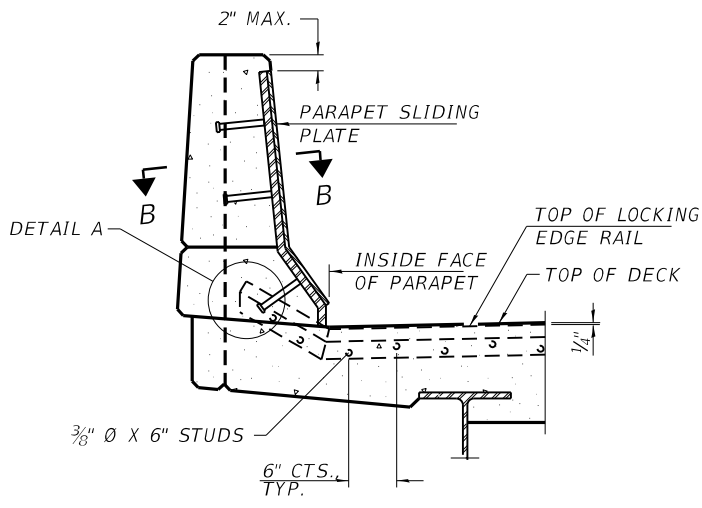
**EXISTING SCUPPER ADJUSTMENT DETAIL  
 SN 032-0005 AND SN 032-0006**

SCALE: SHEET 7 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	89
			CONTRACT NO. 66A51	
		ILLINOIS	FED. AID PROJECT	



**NOTES:**  
 THE STRIP SEAL SHALL BE MADE CONTINUOUS AND SHALL HAVE A MINIMUM THICKNESS OF  $\frac{1}{4}$ ". 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  $4\frac{1}{2}$ " 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  $\frac{1}{16}$ " 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.  
 COST OF PARAPET SLIDING PLATES, EMBEDDED PLATES, AND ANCHORAGE STUDS INCLUDED WITH PREFORMED JOINT STRIP SEAL. 34" F-SHAPE BARRIER SHOWN, 42" F-SHAPE SIMILAR AS NOTED.  
 THE CONCRETE OPENING BELOW THE STRIP SEAL WILL VARY BASED ON THE LOCKING EDGE RAIL CHOSEN BY THE CONTRACTOR. DECK AND PARAPET LENGTHS SHOWN ELSEWHERE IN THE PLANS ARE DIMENSIONED TO THE CONCRETE OPENING, NOT THE JOINT OPENING, AND ARE BASED ON THE ROLLED LOCKING EDGE RAIL. IF THE CONTRACTOR ELECTS TO USE A DIFFERENT LOCKING EDGE RAIL, DIMENSIONAL ADJUSTMENTS MAY BE REQUIRED. ONE EXCEPTION TO THIS WOULD BE THE STRIP SEAL JOINT AT THE END OF THE PRECAST BRIDGE APPROACH SLAB. FOR THESE CASES THE PAVEMENT CONNECTOR LENGTH SHALL BE ADJUSTED, NOT THE LENGTH OF THE BRIDGE APPROACH SLAB.

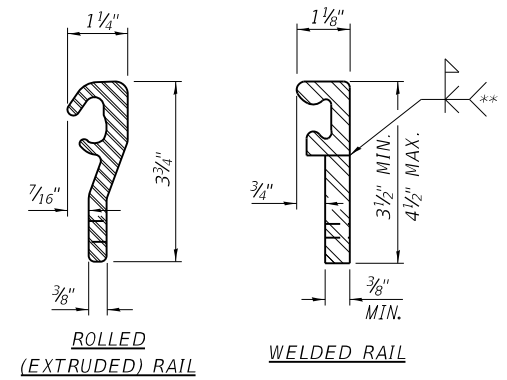
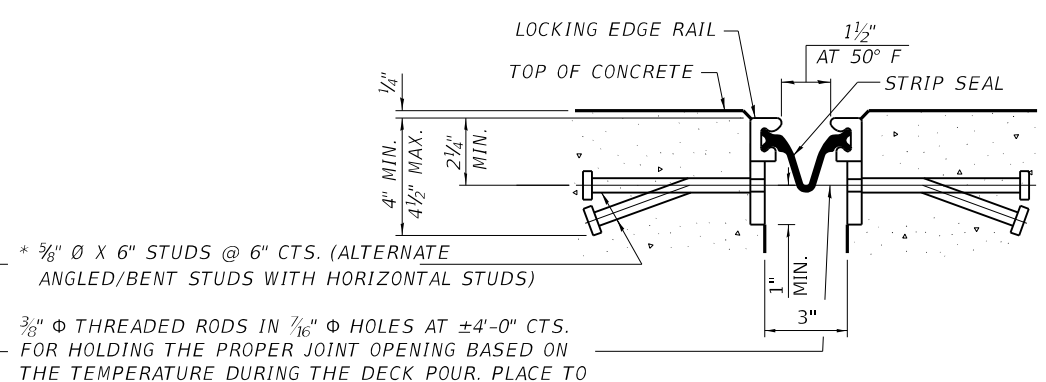
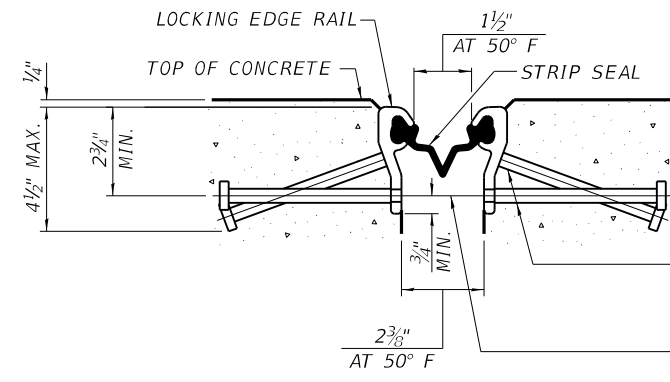


**BILL OF MATERIAL**  
**STRUCTURE NO. 032-0005 (NB)**

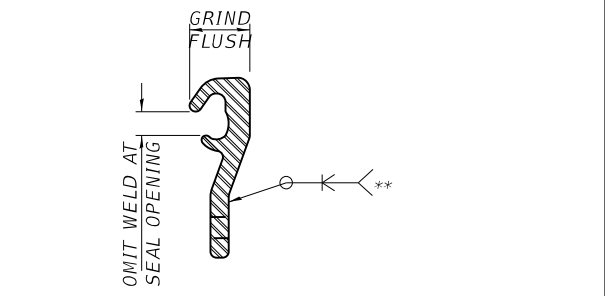
ITEM	UNIT	TOTAL
PREFORMED JOINT STRIP SEAL	FOOT	82

**BILL OF MATERIAL**  
**STRUCTURE NO. 032-0006 (SB)**

ITEM	UNIT	TOTAL
PREFORMED JOINT STRIP SEAL	FOOT	82



\*\* BACK GOUGE NOT REQUIRED IF COMPLETE JOINT PENETRATION IS VERIFIED BY MOCK-UP.



\*  $\frac{5}{8}$ "  $\phi$  X 6" STUDS @ 6" CTS. (ALTERNATE ANGLED/BENT STUDS WITH HORIZONTAL STUDS)  
 $\frac{3}{8}$ "  $\phi$  THREADED RODS IN  $\frac{1}{16}$ "  $\phi$  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.  
 \* GRANULAR OR SOLID FLUX FILLED HEADED STUDS CONFORMING TO ARTICLE 1006.32 OF THE STD. SPECS., AUTOMATICALLY END WELDED.

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	DATE - 3/21/2019	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>PREFORMED JOINT STRIP SEAL DETAILS</b>			
<b>SN 032-0005 AND SN 032-0006</b>			
SCALE:	SHEET 8	OF 8 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	90
			CONTRACT NO. 66A51	
ILLINOIS FED. AID PROJECT				

BENCHMARK: CUT " " TOP NE WINGWALL SN 032-0007 STA 962+69.28, 54.33' LT, EL 606.252. EXISTING STRUCTURE: SN 032-0007 & 032-0008 ARE TWIN 3-SPAN BRIDGES CONSISTING OF 3-SPAN CONTINUOUS COMPOSITE WF GIRDERS UNITS ON STUB ABUTMENTS AND CAP & COLUMN PIERS. IT WAS CONSTRUCTED IN 1955 AS SECTION 91F-1. IN 1993 THE SUPERSTRUCTURES WERE REPLACED AND WIDENED. IN 1998 THE BRIDGES WERE PAINTED. IN 2012 & 2016 CONCRETE SEALER WAS APPLIED. TRAFFIC WILL BE MAINTAINED BY CLOSING ONE BRIDGE AT A TIME USING CROSSOVERS.

### SCOPE OF WORK

1. REMOVE SUPERSTRUCTURE CONCRETE AND EXPANSION JOINTS AT ABUTMENTS, AND REMOVE SB APPROACH SLABS.
2. SCARIFY DECK SURFACE OF BRIDGE AND NB APPROACH SPANS.
3. PERFORM DECK SLAB REPAIRS AND STRUCTURAL REPAIR OF CONCRETE.
4. INSTALL NEW SUPERSTRUCTURE CONCRETE AND PREFORMED JOINT STRIP SEALS.
5. ADJUST APPROACH INLETS.
6. INSTALL NEW SB APPROACH SLABS.
7. PLACE LATEX CONCRETE OVERLAY ON BRIDGE AND NB APPROACHES.
8. PERFORM BRIDGE DECK GROOVING.
9. REPAIR SCOURED SLOPE AND ARMOR WITH RIPRAP.

### GENERAL NOTES

PRIOR TO POURING THE NEW CONCRETE DECK, ALL HEAVY OR LOOSE RUST, LOOSE MILL SCALE, AND OTHER LOOSE OR POTENTIALLY DETRIMENTAL FOREIGN MATERIAL SHALL BE REMOVED FROM THE SURFACES IN CONTACT WITH CONCRETE. TIGHTLY ADHERED PAINT MAY REMAIN UNLESS OTHERWISE NOTED. REMOVAL SHALL BE ACCOMPLISHED BY METHODS THAT WILL NOT DAMAGE THE STEEL AND THE COST WILL BE INCLUDED IN THE PAY ITEM COVERING REMOVAL OF THE EXISTING CONCRETE.

BRIDGE DECK CONCRETE SEALER SHALL BE APPLIED TO ALL NEWLY PLACED CONCRETE SURFACES, INCLUDING THE APPROACHES AND TOP AND INSIDE FACES OF THE PARAPET.

REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

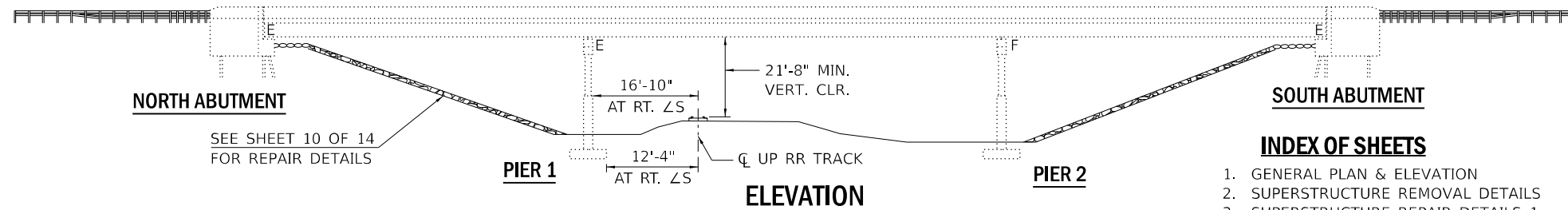
EXISTING REINFORCEMENT BARS EXTENDING INTO THE REMOVAL AREA SHALL BE CLEANED, STRAIGHTENED AND INCORPORATED INTO THE NEW CONSTRUCTION, UNLESS NOTED OTHERWISE. ANY REINFORCEMENT BARS THAT ARE DAMAGED DURING CONCRETE REMOVAL SHALL BE REPLACED WITH AN APPROVED BAR SPLICER OR ANCHORAGE SYSTEM. COST INCLUDED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

JOINT OPENING SHALL BE ADJUSTED ACCORDING TO ARTICLE 520.04 OF THE STANDARD SPECIFICATIONS WHEN THE DECK IS POURED AT AN AMBIENT TEMPERATURE OTHER THAN 50 DEGREES F.

AREAS OF DECK REPAIRS ARE ESTIMATED. THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS.

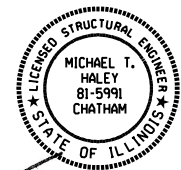
PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL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

SYNTHETIC FIBERS SHALL BE ADDED TO THE BRIDGE DECK LATEX CONCRETE OVERLAY, SEE SPECIAL PROVISIONS.



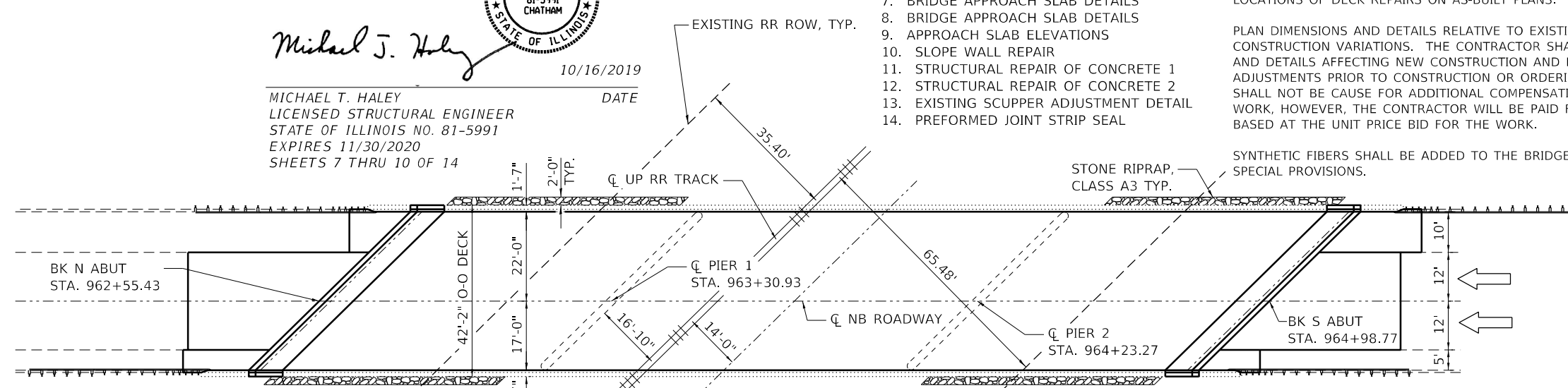
### INDEX OF SHEETS

1. GENERAL PLAN & ELEVATION
2. SUPERSTRUCTURE REMOVAL DETAILS
3. SUPERSTRUCTURE REPAIR DETAILS 1
4. SUPERSTRUCTURE REPAIR DETAILS 2
5. SCARIFICATION AND OVERLAY DETAILS
6. DECK SLAB REPAIR - "AS-BUILTS"
7. BRIDGE APPROACH SLAB DETAILS
8. BRIDGE APPROACH SLAB DETAILS
9. APPROACH SLAB ELEVATIONS
10. SLOPE WALL REPAIR
11. STRUCTURAL REPAIR OF CONCRETE 1
12. STRUCTURAL REPAIR OF CONCRETE 2
13. EXISTING SCUPPER ADJUSTMENT DETAIL
14. PREFORMED JOINT STRIP SEAL



*Michael T. Haley*  
10/16/2019  
DATE

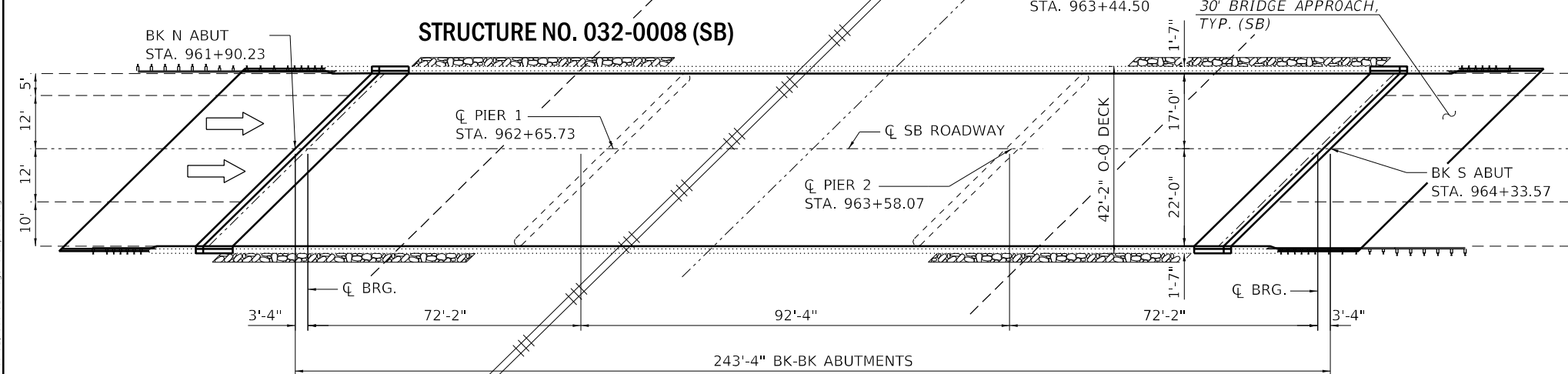
MICHAEL T. HALEY  
LICENSED STRUCTURAL ENGINEER  
STATE OF ILLINOIS NO. 81-5991  
EXPIRES 11/30/2020  
SHEETS 7 THRU 10 OF 14



### STRUCTURE NO. 032-0007 (NB)

### TOTAL BILL OF MATERIAL (2 STRUCTURES)

ITEM	UNIT	SUPER	SUB	TOTAL
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD		10	10
STONE DUMPED RIPRAP, CLASS A3	SQ YD		1204	1204
CONCRETE REMOVAL	CU YD	43.6		43.6
PROTECTIVE SHIELD	SQ YD	948		948
STRUCTURE EXCAVATION	CU YD		156	156
CONCRETE STRUCTURES	CU YD		36.0	36.0
CONCRETE SUPERSTRUCTURE	CU YD	46.8		46.8
BRIDGE DECK GROOVING	SQ YD	2365		2365
CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	112.6		112.6
REINFORCEMENT BARS, EPOXY COATED	POUND	54120		54120
PREFORMED JOINT STRIP SEAL	FOOT	235		235
GRANULAR BACKFILL FOR STRUCTURES	CU YD		350	350
CONTROLLED LOW-STRENGTH MATERIAL	CU YD		41.8	41.8
PROTECTIVE COAT	SQ FT	22688		22688
APPROACH SLAB REMOVAL	SQ YD	222		222
BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/4"	SQ YD	2229		2229
BRIDGE DECK SCARIFICATION, 3/4"	SQ YD	2229		2229
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT		63	63
STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5")	SQ FT	38		38
DECK SLAB REPAIR (FULL DEPTH, TYPE 1)	SQ YD	10		10
DECK SLAB REPAIR (FULL DEPTH, TYPE 2)	SQ YD	10		10
GEOCOMPOSITE WALL DRAIN	SQ YD		86	86
PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT		257	257
FABRIC FORMED CONCRETE REVETMENT MAT	SQ YD		296	296
INLET BOXES TO BE ADJUSTED (SPECIAL)	EACH	8		8



### STRUCTURE NO. 032-0008 (SB)

### PLAN

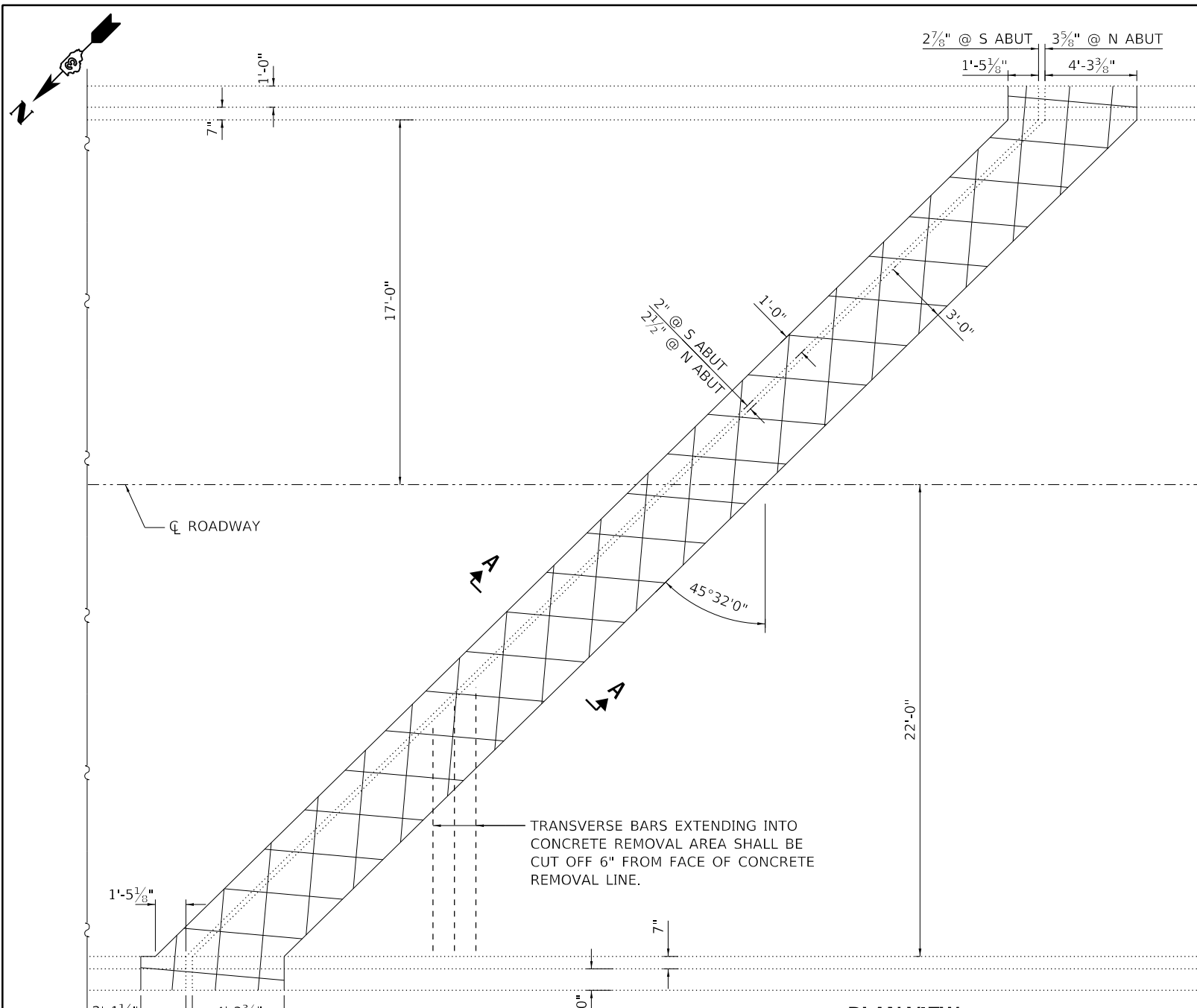
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	DATE - 3/21/2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

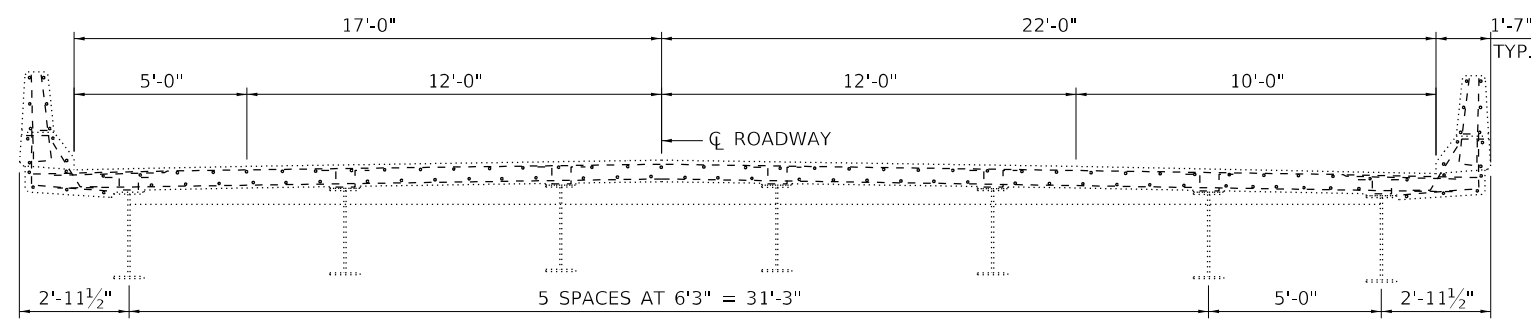
GENERAL PLAN AND ELEVATION  
FAI 55 OVER UP RR  
S.N. 032-0007 (NB) AND S.N. 032-0008 (SB)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	91
SCALE: SHEET 1 OF 14 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT	

MODEL: SH02ELMAMES  
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**PLAN VIEW**  
NORTH ABUT. SHOWN. SOUTH ABUT. SIMILAR THRU 180° ROTATION.



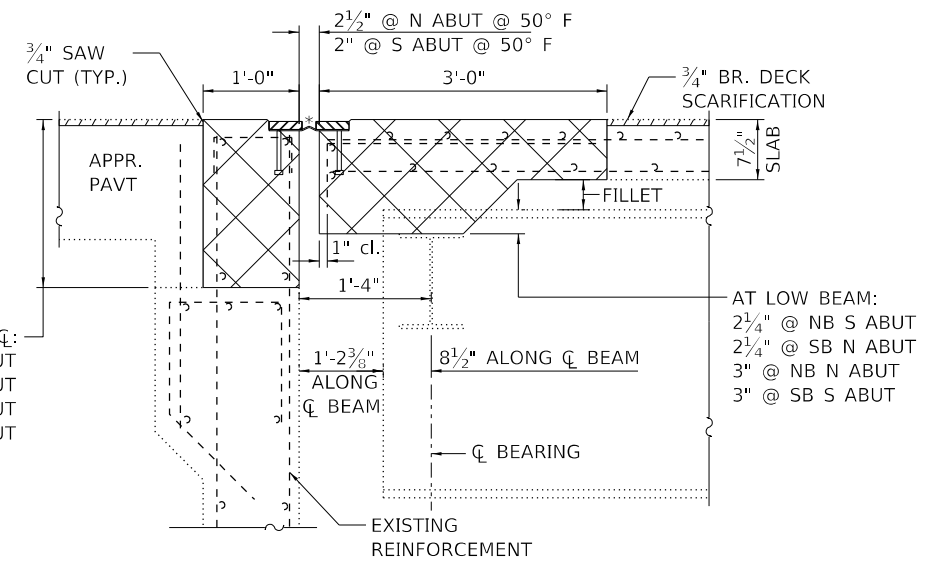
**CROSS SECTION**  
LOOKING SOUTH AT EXPANSION JOINT

NOTE: DETAILS SHOWN ARE FOR SOUTHBOUND STRUCTURE. NORTHBOUND STRUCTURE SHALL BE SIMILAR ABOUT LONGITUDINAL AXIS.

USER NAME = calderoni	DESIGNED - BDS	REVISED -
DRAWN - BDS	REVISED -	
PLOT SCALE = 100:0.000 "/ in.	CHECKED - SPF	REVISED -
PLOT DATE = 10/22/2019	DATE - 3/21/2019	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

\* EXISTING NEOPRENE JOINT TO BE REMOVED.  
COST INCLUDED IN CONCRETE REMOVAL.



**SECTION A-A**  
SHOWING REMOVALS

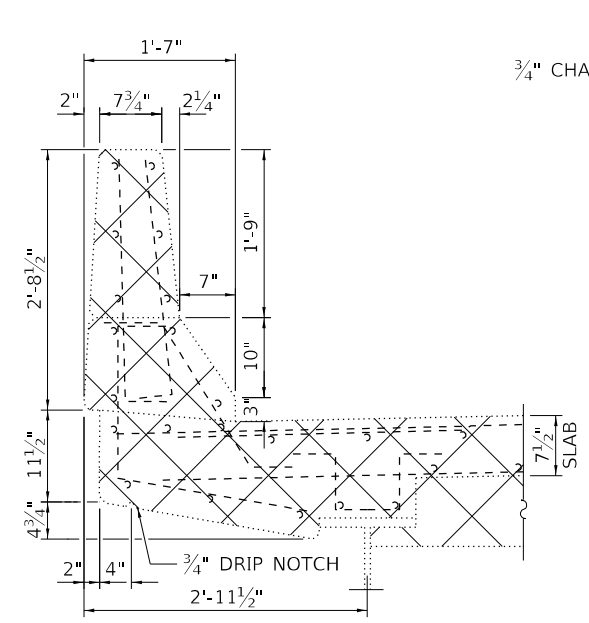
ALL DIMENSIONS AT RT.  $\angle$ S UNLESS NOTED  
NB APPROACHES SHOWN; SB APPROACHES TO BE REPLACED

- CONCRETE REMOVAL
- 3/4" BRIDGE DECK SCARIFICATION

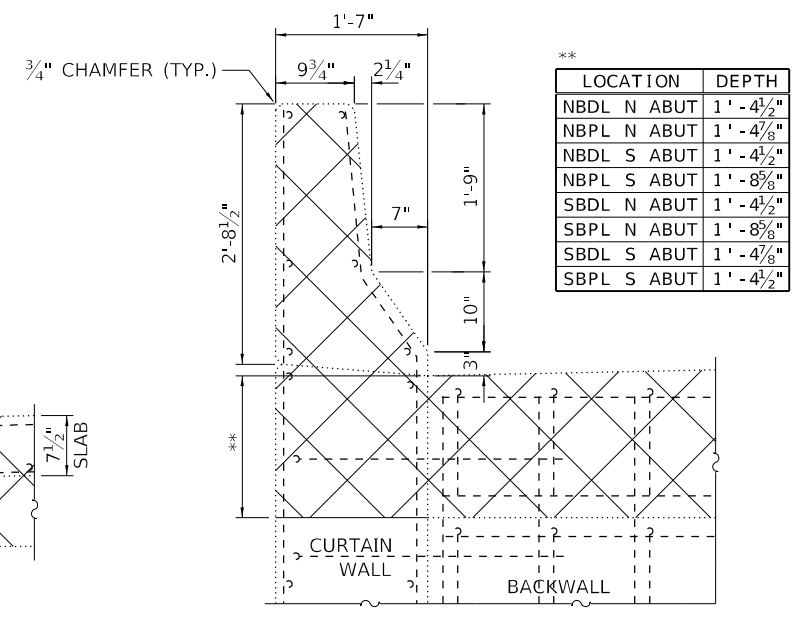
**NOTES**

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

EXISTING REINFORCEMENT WITHIN CONCRETE REMOVAL AREAS SHALL BE REMOVED.



**SECTION THRU PARAPET DECK**



**SECTION THRU PARAPET APPROACH**

LOCATION	DEPTH
NBDL N ABUT	1' - 4 1/2"
NBPL N ABUT	1' - 4 7/8"
NBDL S ABUT	1' - 4 1/2"
NBPL S ABUT	1' - 8 3/8"
SBDL N ABUT	1' - 4 1/2"
SBPL N ABUT	1' - 8 3/8"
SBDL S ABUT	1' - 4 7/8"
SBPL S ABUT	1' - 4 1/2"

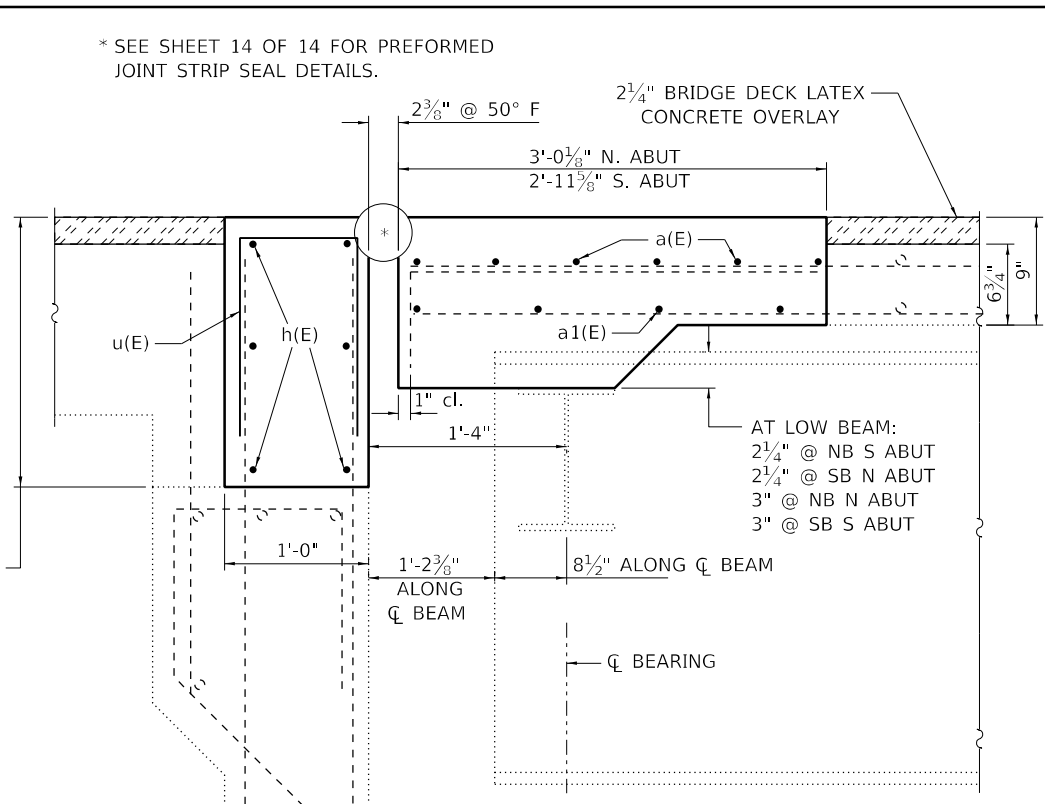
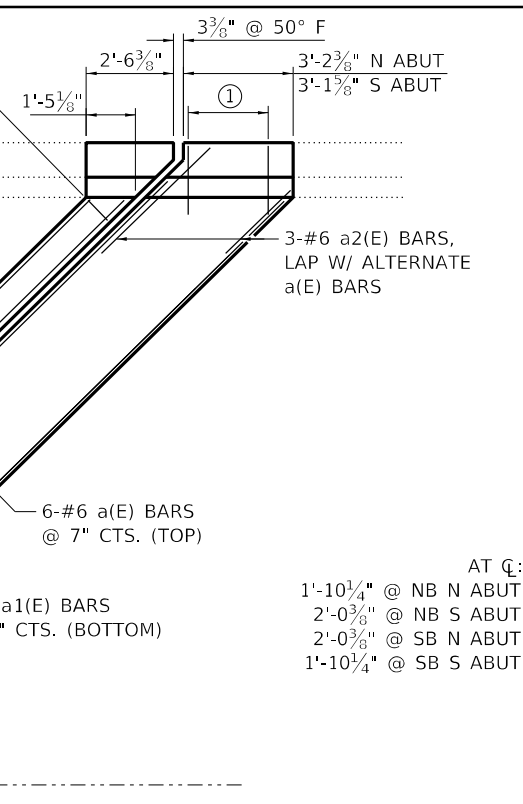
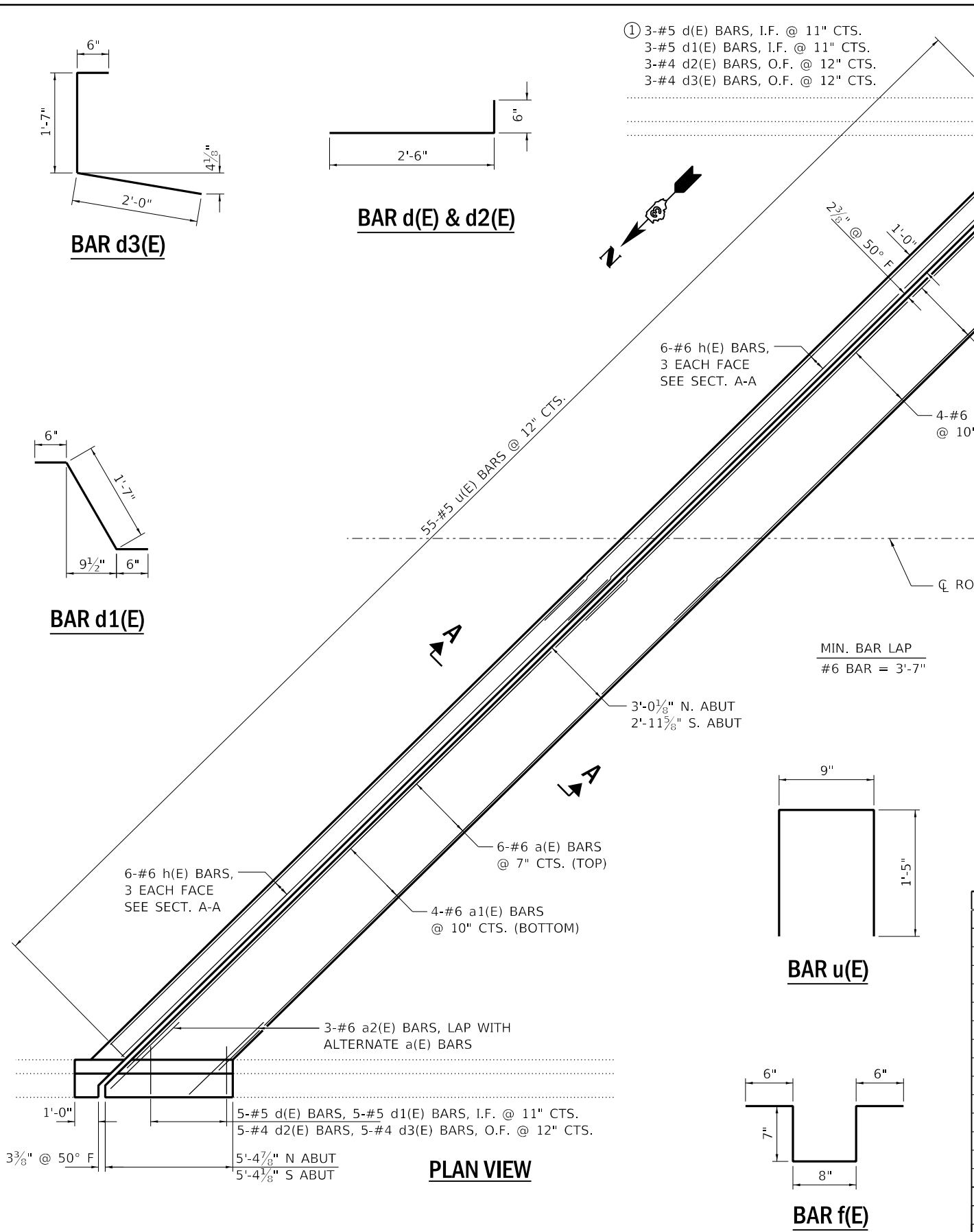
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**SUPERSTRUCTURE REMOVAL DETAILS**  
FAI 55 OVER UP RR  
S.N. 032-0007 (NB) AND S.N. 032-0008 (SB)

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	92
CONTRACT NO. 66A51			ILLINOIS FED. AID PROJECT	

SCALE: SHEET 2 OF 14 SHEETS STA. TO STA.

\* SEE SHEET 14 OF 14 FOR PREFORMED JOINT STRIP SEAL DETAILS.



**SECTION A-A**

ALL DIMENSIONS AT RT.  $\angle$ S UNLESS NOTED  
NB APPROACHES SHOWN; SB APPROACHES TO BE REPLACED

**BILL OF MATERIALS  
STRUCTURE NO. 032-0007 (NB)**

BAR	NO.	SIZE	LENGTH	SHAPE		
a (E)	24	#6	31' - 8"	—		
a1 (E)	16	#6	29' - 9"	—		
a2 (E)	12	#6	5' - 9"	—		
d (E)	16	#5	3' - 0"	┌		
d1 (E)	16	#5	2' - 7"	└		
d2 (E)	16	#4	3' - 0"	┌		
d3 (E)	16	#4	4' - 1"	└		
f (E)	42	#4	2' - 10"	┌		
h (E)	12	#6	29' - 9"	—		
u (E)	110	#5	3' - 7"	┌		
CONCRETE REMOVAL					CU YD	21.8
CONCRETE SUPERSTRUCTURE					CU YD	23.4
REINFORCEMENT BARS, EPOXY COATED					POUND	3160

**BILL OF MATERIALS  
STRUCTURE NO. 032-0008 (SB)**

BAR	NO.	SIZE	LENGTH	SHAPE		
a (E)	24	#6	31' - 8"	—		
a1 (E)	16	#6	29' - 9"	—		
a2 (E)	12	#6	5' - 9"	—		
d (E)	16	#5	3' - 0"	┌		
d1 (E)	16	#5	2' - 7"	└		
d2 (E)	16	#4	3' - 0"	┌		
d3 (E)	16	#4	4' - 1"	└		
f (E)	42	#4	2' - 10"	┌		
h (E)	12	#6	29' - 9"	—		
u (E)	110	#5	3' - 7"	┌		
CONCRETE REMOVAL					CU YD	21.8
CONCRETE SUPERSTRUCTURE					CU YD	23.4
REINFORCEMENT BARS, EPOXY COATED					POUND	3160

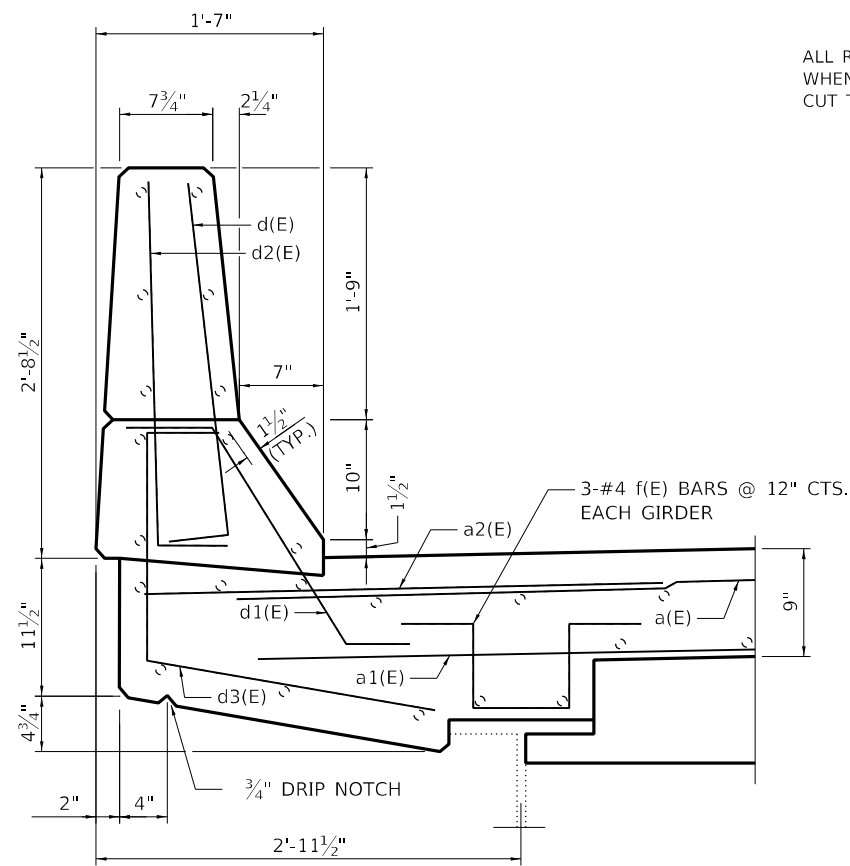
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USER NAME = calderoni	DESIGNED - BDS	REVISED -
DRAWN - BDS	REVISED -	
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SUPERSTRUCTURE REPAIR DETAILS</b>			
FAI 55 OVER UP RR			
S.N. 032-0007 (NB) AND S.N. 032-0008 (SB)			
SCALE:	SHEET 3	OF 14 SHEETS	STA. TO STA.

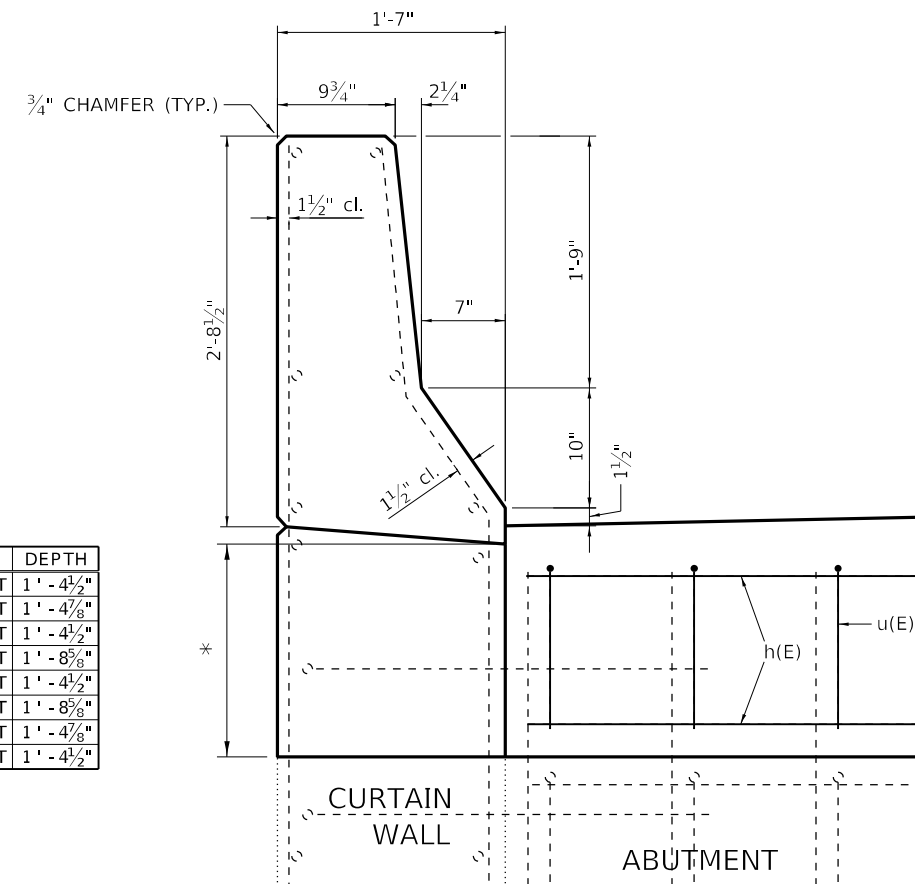
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	93
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				



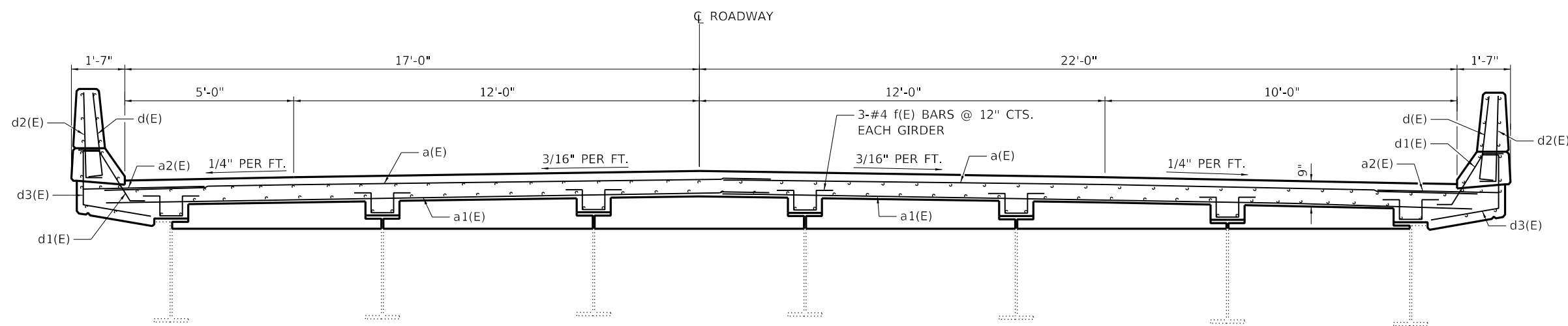
**SECTION THRU PARAPET DECK**

**NOTES**  
 ALL REINFORCEMENT BARS SHALL BE ORDERED FULL LENGTH. WHENEVER NECESSARY THE REINFORCEMENT BARS SHALL BE CUT TO FIT THE NEW CONSTRUCTION.

LOCATION	DEPTH
NBDL N ABUT	1' - 4 1/2"
NBPL N ABUT	1' - 4 7/8"
NBDL S ABUT	1' - 4 1/2"
NBPL S ABUT	1' - 8 5/8"
SBDL N ABUT	1' - 4 1/2"
SBPL N ABUT	1' - 8 5/8"
SBDL S ABUT	1' - 4 7/8"
SBPL S ABUT	1' - 4 1/2"



**SECTION THRU PARAPET APPROACH**



**CROSS SECTION**  
 SB STRUCTURE LOOKING SOUTH AT EXPANSION JOINT  
 NB STRUCTURE LOOKING NORTH AT EXPANSION JOINT

MODEL: \\MODELMARKS  
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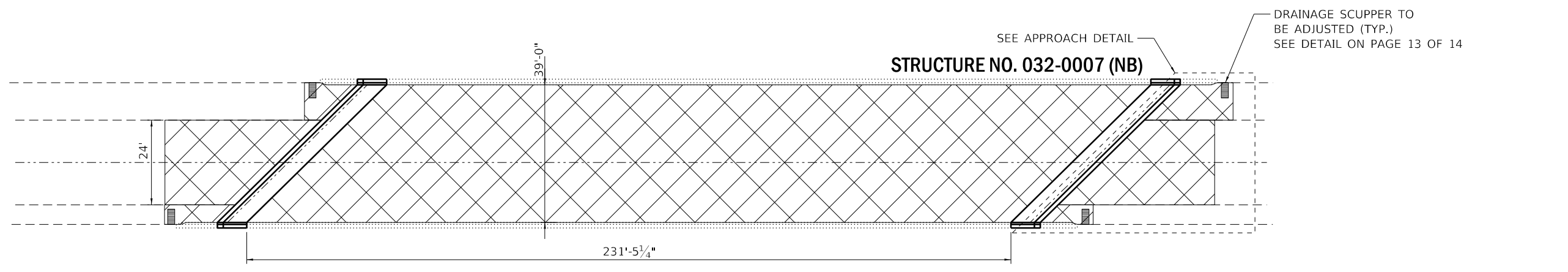
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CHECKED - SPF	DATE - 3/21/2019	REVISED -

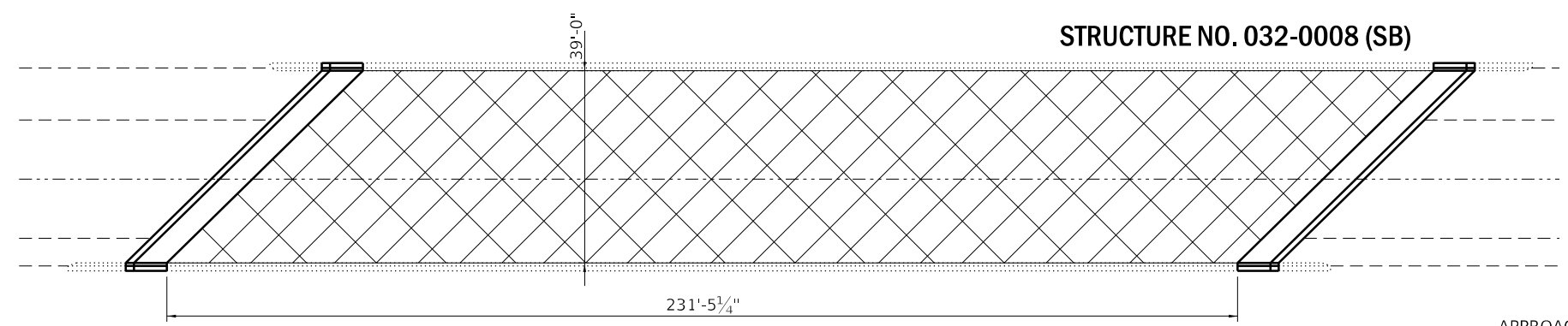
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>SUPERSTRUCTURE REPAIR DETAILS</b>		
FAI 55 OVER UP RR		
S.N. 032-0007 (NB) AND S.N. 032-0008 (SB)		
SCALE:	SHEET 4 OF 14 SHEETS	STA. TO STA.

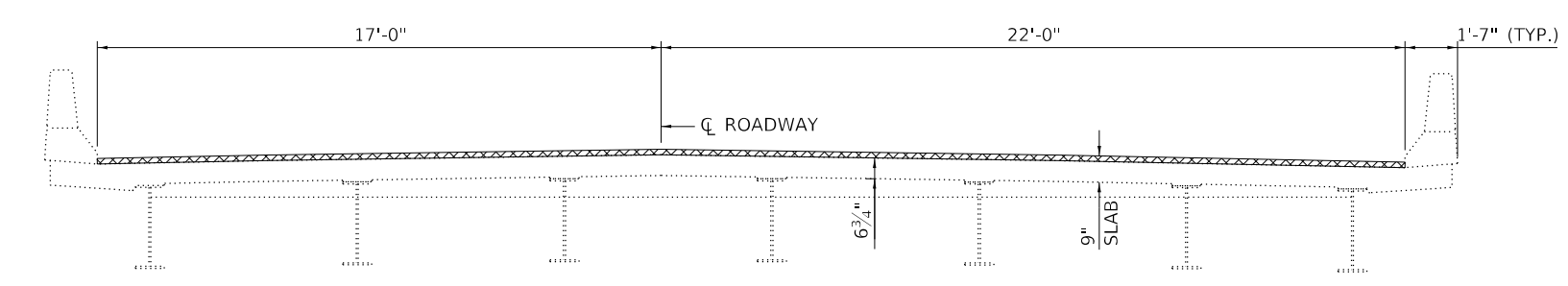
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	94
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				



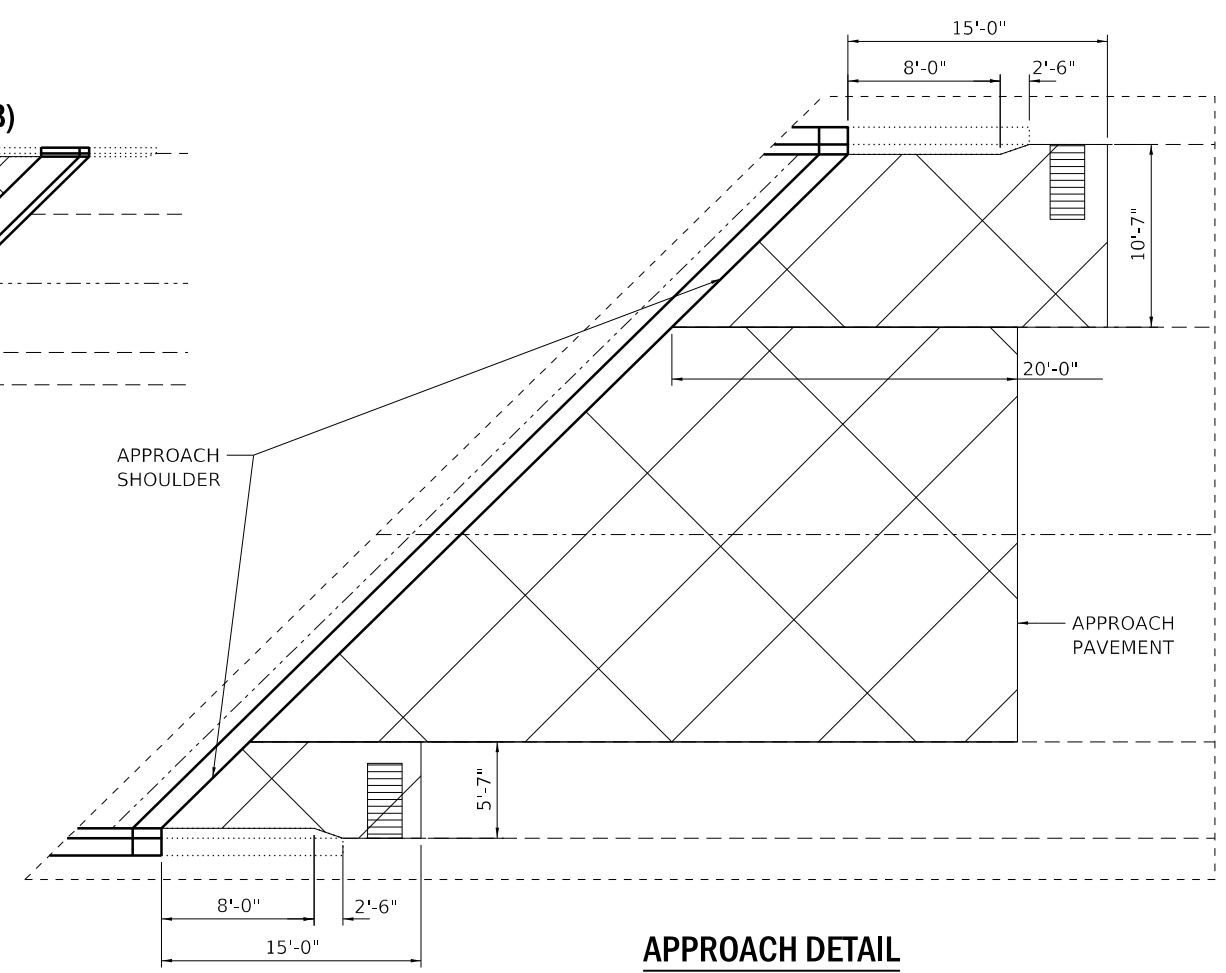
3/4" BRIDGE DECK SCARIFICATION AND 2 1/4" LATEX CONCRETE OVERLAY



**PLAN**

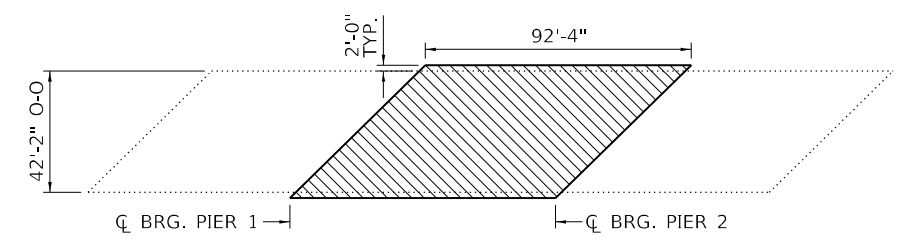


**CROSS SECTION**



**APPROACH DETAIL**

SN 032-0007 ONLY; NORTH SIDE SIMILAR ABOUT 180°



**PLAN VIEW  
EXTENTS OF PROTECTIVE SHIELD**

**BILL OF MATERIALS  
STRUCTURE NO. 032-0007 (NB)**

BRIDGE DECK CONCRETE SEALER	SQ FT	11124
BRIDGE DECK SCARIFICATION, 3/4"	SQ YD	1226
BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/4 INCHES	SQ YD	1226
BRIDGE DECK GROOVING	SQ YD	1168
DECK SLAB REPAIR (FULL DEPTH, TYPE 1)	SQ YD	5
DECK SLAB REPAIR (FULL DEPTH, TYPE 2)	SQ YD	5
PROTECTIVE SHIELD	SQ YD	474

**BILL OF MATERIALS  
STRUCTURE NO. 032-0008 (SB)**

BRIDGE DECK CONCRETE SEALER	SQ FT	9116
BRIDGE DECK SCARIFICATION, 3/4"	SQ YD	1003
BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/4 INCHES	SQ YD	1003
BRIDGE DECK GROOVING	SQ YD	1197
DECK SLAB REPAIR (FULL DEPTH, TYPE 1)	SQ YD	5
DECK SLAB REPAIR (FULL DEPTH, TYPE 2)	SQ YD	5
PROTECTIVE SHIELD	SQ YD	474

NOTE: DETAILS SHOWN ARE FOR NORTHBOUND STRUCTURE. SOUTHBOUND STRUCTURE SHALL BE SIMILAR ABOUT LONGITUDINAL AXIS.

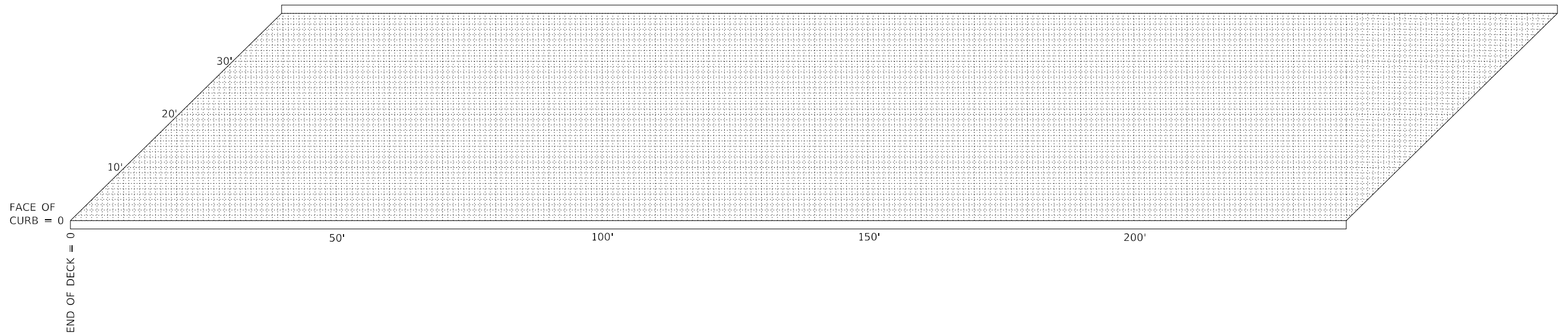
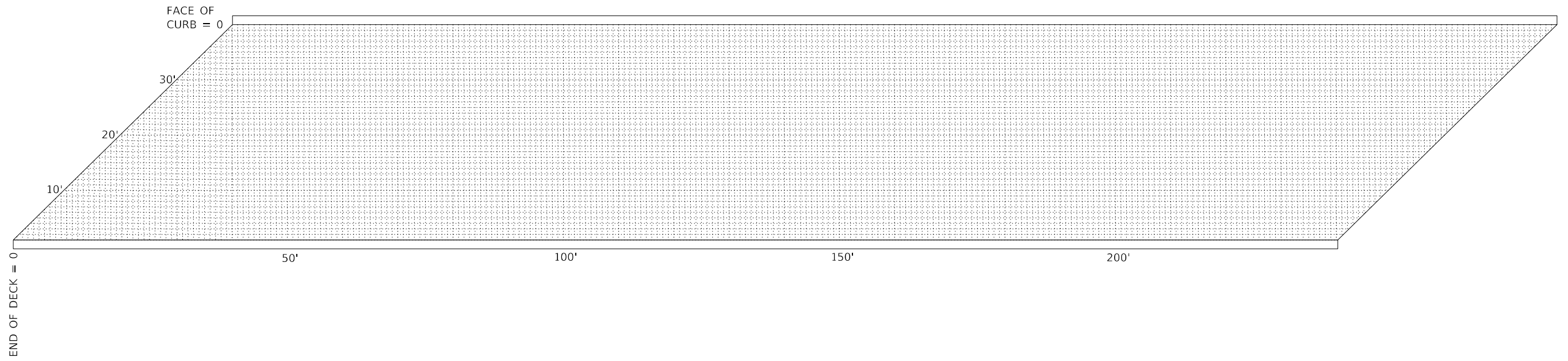
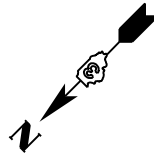
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PLOT SCALE = 100:0.000 "/>		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SCARIFICATION AND OVERLAY DETAILS</b>		
FAI 55 OVER UP RR		
S.N. 032-0007 (NB) AND S.N. 032-0008 (SB)		
SCALE:	SHEET 5 OF 14 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	95
CONTRACT NO. 66A51				
ILLINOIS FED. AID PROJECT				



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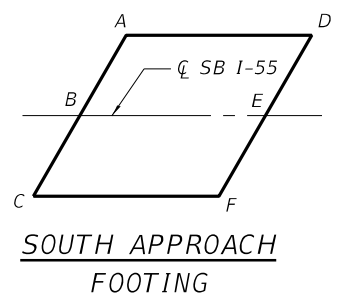
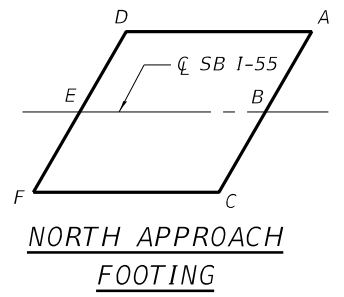
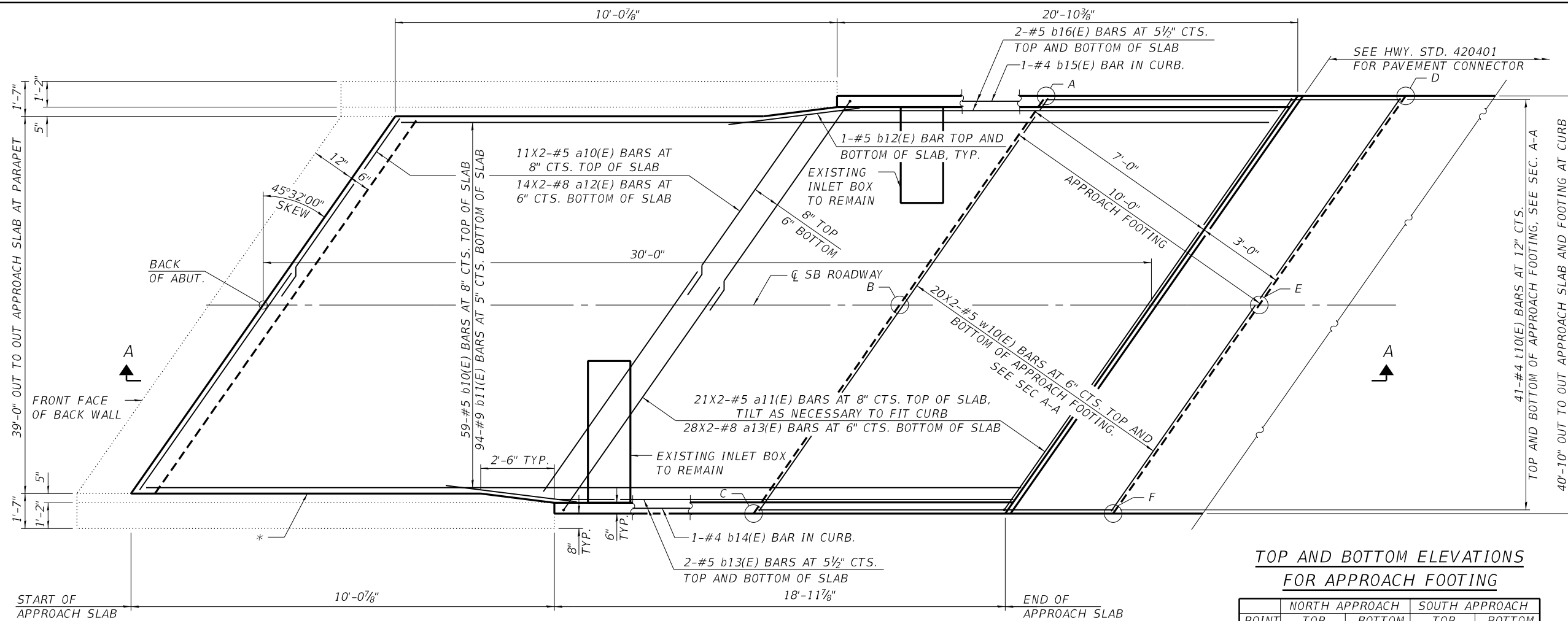
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DECK SLAB REPAIRS - "AS-BUILTS"**  
**FAI 55 OVER UP RR**  
**S.N. 032-0007 (NB) AND S.N. 032-0008 (SB)**

SCALE: SHEET 6 OF 14 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	96
			CONTRACT NO. 66A51	
		ILLINOIS	FED. AID PROJECT	





TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

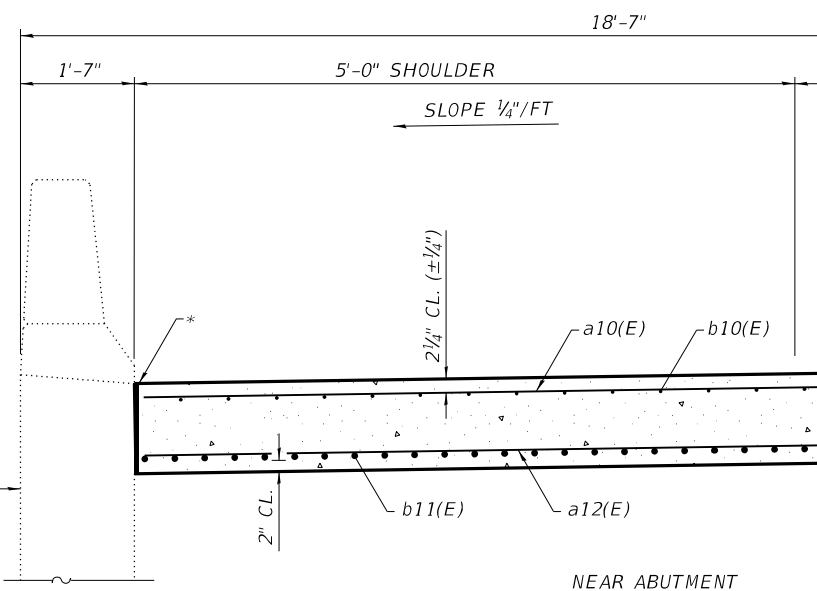
POINT	NORTH APPROACH		SOUTH APPROACH	
	TOP	BOTTOM	TOP	BOTTOM
A	602.29	601.45	602.45	601.62
B	602.48	601.64	602.85	602.01
C	601.89	601.06	602.52	601.69
D	602.19	601.36	602.37	601.54
E	602.37	601.54	602.78	601.95
F	601.77	600.94	602.47	601.64

LEGEND FOR APPROACH FOOTING ELEVATION

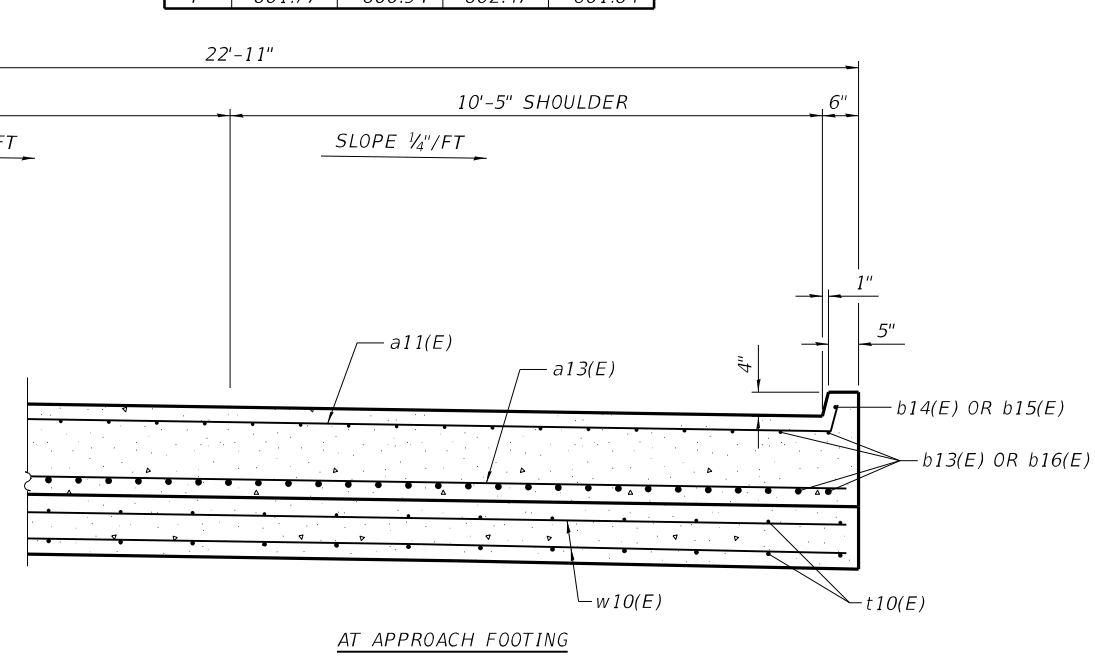
**MINIMUM BAR LAP**  
 #5 BAR = 3'-4" (SLAB)  
 #8 BAR = 4'-9" (SLAB)  
 #5 BAR = 3'-2" (FOOTING)

NOTE:  
 BARS INDICATED THUS 11X2-#5 ETC. INDICATES 11 LINE OF BARS WITH 2 LENGTHS PER LINE

PLAN  
 (SOUTH APPROACH SHOWN; NORTH APPROACH SIMILAR)



CROSS SECTION  
 (LOOKING SOUTH)



(SHEET 1 OF 2)

MODEL: I:\MODELS\MH\MS... FILE: I:\MODELS... WORKSPACE\calderon\0366A51-1\BridgE\BridgE.dgn

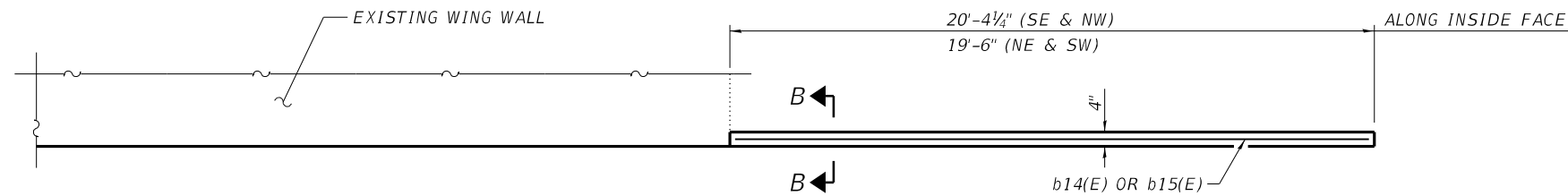
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PLOT DATE = 10/22/2019	DATE - 9/26/2019	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS  
 FAI 55 OVER UP RR  
 S.N. 032-0008 (SB)

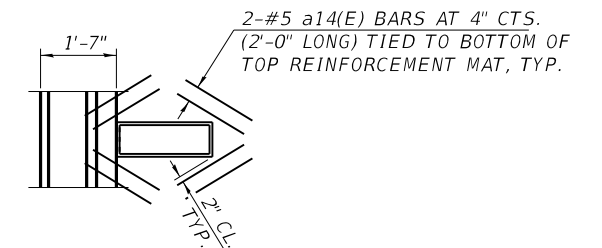
SCALE: SHEET 7 OF 14 SHEETS STA. TO STA.

F.A.I. RTE. 55	SECTION (32-1)RS-4	COUNTY GRUNDY	TOTAL SHEETS 154	SHEET NO. 97
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66A51	



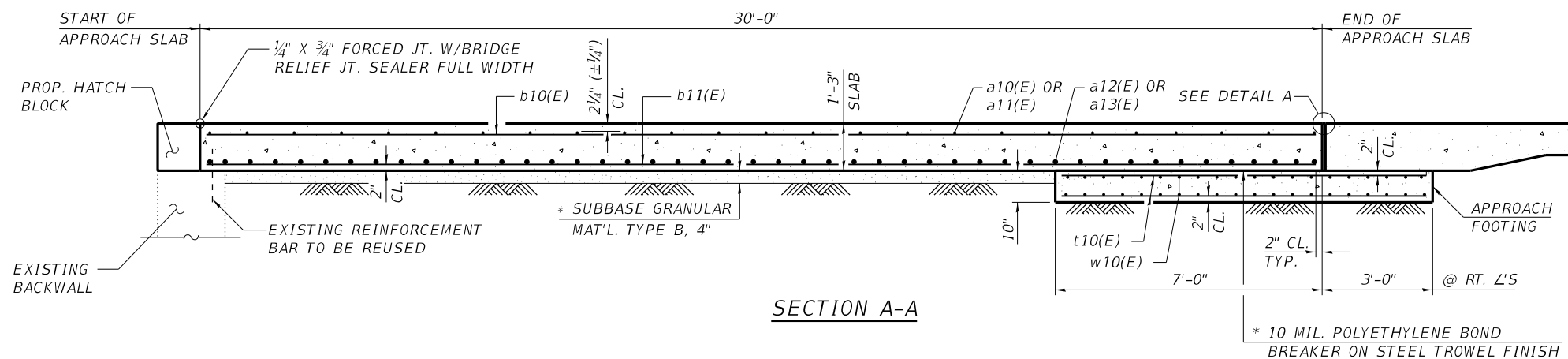
INSIDE ELEVATION OF WINGWALL AND CURB

NOTES:  
 APPROACH SLAB SHALL BE PAID FOR AS CONCRETE SUPERSTRUCTURE (APPROACH SLAB).  
 APPROACH FOOTING CONCRETE SHALL BE PAID FOR AS CONCRETE STRUCTURES.  
 THE APPROACH FOOTING MAXIMUM APPLIED SERVICE BEARING PRESSURE (QMAX) = 2.0 KSF.  
 COST OF EXCAVATION FOR APPROACH FOOTING INCLUDED WITH CONCRETE STRUCTURES.  
 THE JOINT OPENING SHALL BE ADJUSTED FOR TEMPERATURE PER ARTICLE 520.04 OF THE  
 STANDARD SPECIFICATIONS. HOWEVER, SINCE THIS DETAIL IS FOR JOINTLESS STRUCTURES,  
 THE LENGTH OF BRIDGE USED TO CALCULATE THE ADJUSTMENT SHALL BE EQUAL TO THE  
 LENGTH OF THE BRIDGE APPROACH SLAB.

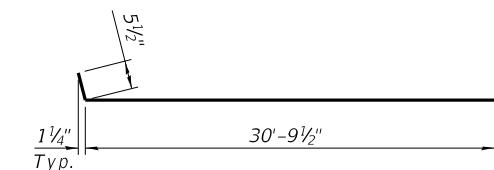


PLAN AT INLET BOX

NOTE:  
 CUT LONGITUDINAL REINFORCEMENT TO  
 CLEAR INLET BOXES.



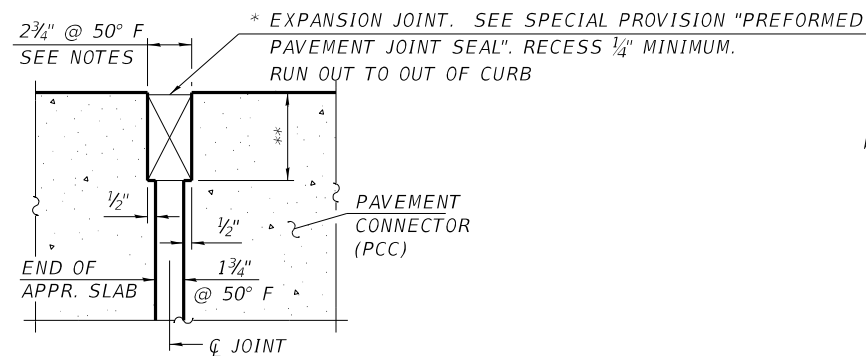
SECTION A-A



BAR a11(E)

TWO APPROACHES  
 BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE	
a10(E)	44	#5	29' - 6"	—	
a11(E)	84	#5	31' - 3"	—	
a12(E)	56	#8	30' - 2"	—	
a13(E)	112	#8	31' - 6"	—	
a14(E)	32	#5	2' - 0"	—	
b10(E)	118	#5	29' - 8"	—	
b11(E)	188	#9	29' - 8"	—	
b12(E)	8	#5	8' - 6"	—	
b13(E)	8	#5	18' - 9"	—	
b14(E)	2	#4	18' - 9"	—	
b15(E)	2	#4	20' - 1"	—	
b16(E)	8	#5	20' - 1"	—	
t10(E)	164	#4	14' - 0"	—	
w10(E)	160	#5	30' - 8"	—	
CONCRETE SUPERSTRUCTURE (APPROACH SLAB)				CU YD	112.6
CONCRETE STRUCTURES				CU YD	36.0
REINFORCEMENT BARS, EPOXY COATED				POUND	47800
APPROACH SLAB REMOVAL				SQ YD	222
PROTECTIVE COAT				SQ FT	2448

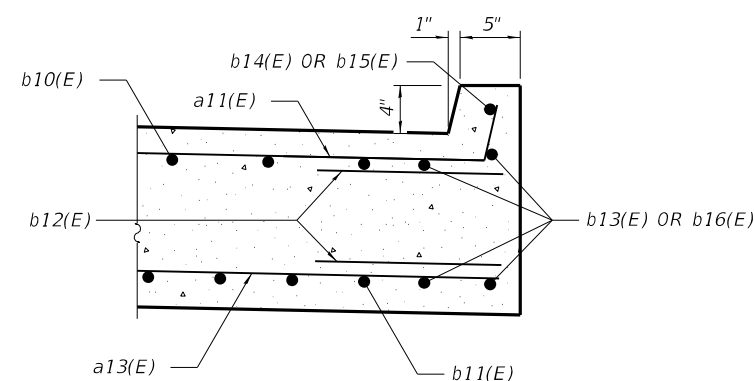


DETAIL A

(DETAIL A SHOWN, APPLIES TO HIGHWAY STANDARD 420401 ONLY.  
 DETAIL A FOR PAVEMENT CONNECTOR (HMA) MAY BE FOUND ON  
 HIGHWAY STANDARD 420406.)  
 (@ RT. L'S)

\* COST INCLUDED WITH CONCRETE SUPERSTRUCTURE (APPROACH SLAB).

\*\* PER MANUFACTURER RECOMMENDATIONS



SECTION B-B

(SHEET 2 OF 2)

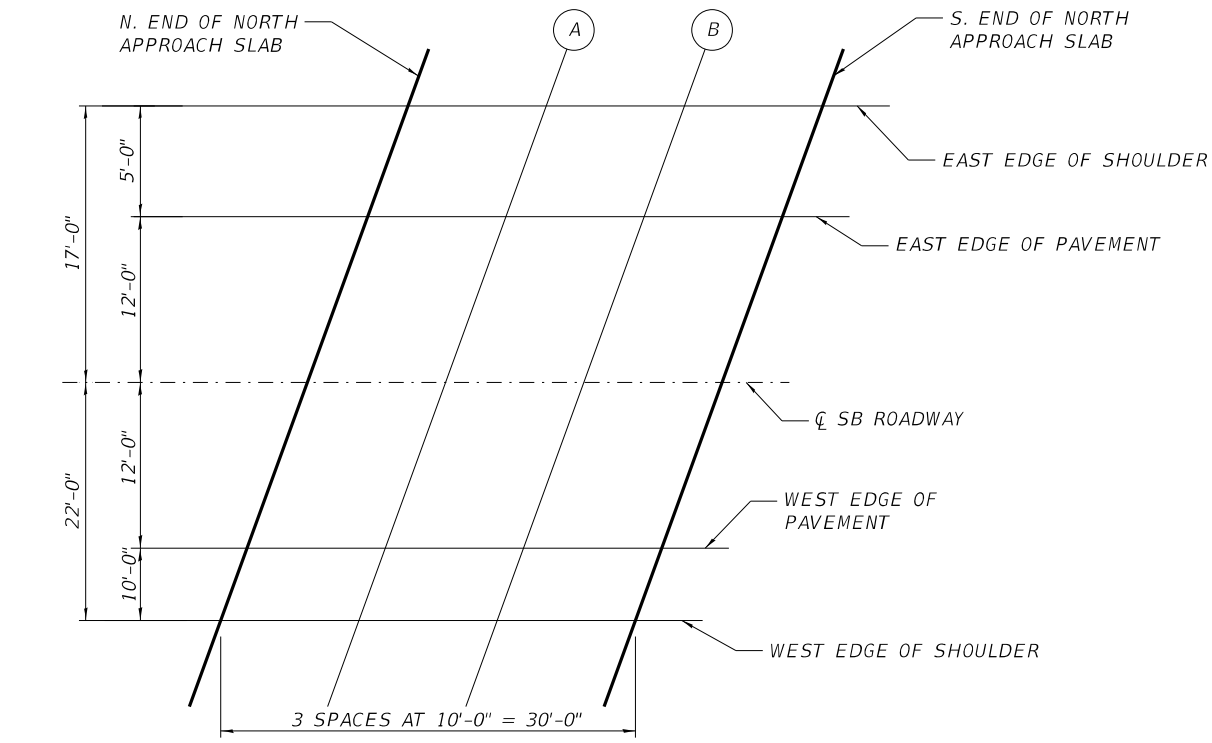
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS  
 FAI 55 OVER UP RR  
 S.N. 032-0008 (SB)

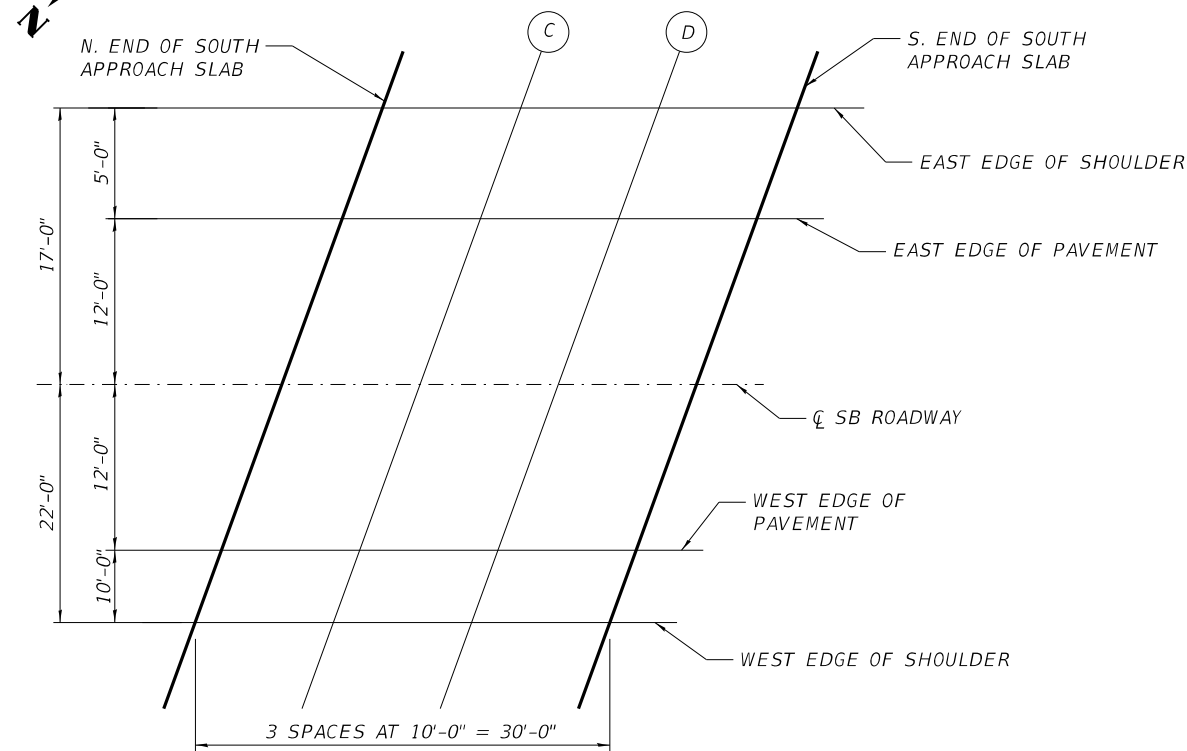
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	98
CONTRACT NO. 66A51				

SCALE: SHEET 8 OF 14 SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT



**PLAN**  
(NORTH APPROACH SB)



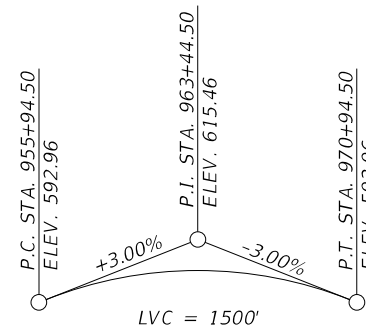
**PLAN**  
(SOUTH APPROACH SB)

**EAST EDGE OF SHOULDER**

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS
N. END OF N. APPR. SLAB	961+77.55	-17.00	603.49
A	961+87.55	-17.00	603.55
B	961+97.55	-17.00	603.61
S. END OF N. APPR. SLAB	962+07.55	-17.00	603.67
N. END OF S. APPR. SLAB	964+50.89	-17.00	603.82
C	964+60.89	-17.00	603.77
D	964+70.89	-17.00	603.72
S. END OF S. APPR. SLAB	964+80.89	-17.00	603.67

**EAST EDGE OF PAVEMENT**

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS
N. END OF N. APPR. SLAB	961+72.46	-12.00	603.56
A	961+82.46	-12.00	603.62
B	961+92.46	-12.00	603.69
S. END OF N. APPR. SLAB	962+02.46	-12.00	603.74
N. END OF S. APPR. SLAB	964+45.80	-12.00	603.94
C	964+55.80	-12.00	603.90
D	964+65.80	-12.00	603.85
S. END OF S. APPR. SLAB	964+75.80	-12.00	603.80



**PROFILE GRADE**

(TOP OF EXISTING ROADWAY SURFACE ALONG CL ROADWAY)

NOTE: THE TOP OF APPROACH SLAB ELEVATIONS PROVIDED ARE INTENDED TO MATCH THE TOP OF BRIDGE DECK SLAB AFTER FINISHED OVERLAY. THE APPROACH SLABS SHALL MATCH THE SLOPES AND GRADE OF THE BRIDGE DECK OVERLAY AND THE CONCRETE ADJACENT TO THE EXPANSION JOINT. THE CONTRACTOR SHALL ADJUST ELEVATIONS IN TABLES AS REQUIRED.

**CL SB ROADWAY**

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS
N. END OF N. APPR. SLAB	961+60.23	0.00	603.66
A	961+70.23	0.00	603.73
B	961+80.23	0.00	603.80
S. END OF N. APPR. SLAB	961+90.23	0.00	603.86
N. END OF S. APPR. SLAB	964+33.57	0.00	604.18
C	964+43.57	0.00	604.14
D	964+53.57	0.00	604.10
S. END OF S. APPR. SLAB	964+63.57	0.00	604.05

**WEST EDGE OF PAVEMENT**

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS
N. END OF N. APPR. SLAB	961+48.00	12.00	603.38
A	961+58.00	12.00	603.45
B	961+68.00	12.00	603.52
S. END OF N. APPR. SLAB	961+78.00	12.00	603.59
N. END OF S. APPR. SLAB	694+21.34	12.00	604.03
C	964+31.34	12.00	604.00
D	964+41.34	12.00	603.96
S. END OF S. APPR. SLAB	964+51.34	12.00	603.92

**WEST EDGE OF SHOULDER**

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS
N. END OF N. APPR. SLAB	961+37.82	22.00	603.08
A	961+47.82	22.00	603.17
B	961+57.82	22.00	603.24
S. END OF N. APPR. SLAB	961+67.82	22.00	603.31
N. END OF S. APPR. SLAB	964+11.16	22.00	603.85
C	964+21.16	22.00	603.82
D	964+31.16	22.00	603.79
S. END OF S. APPR. SLAB	964+41.16	22.00	603.75

NOTE: OFFSETS MEASURED FROM CL SB ROADWAY.

MODEL: \\MODELM\MTS  
FILE: \\mnts\csm\work\subdata\calderon\66651-11\fig\BridgEPlan\sd06651.dgn

USER NAME = calderon	DESIGNED - HZT	REVISED -
DRAWN - DAS	REVISED -	
PLOT SCALE = 100:0.000 "/ in.	CHECKED - MTH	REVISED -
PLOT DATE = 10/22/2019	DATE - 9/26/2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**APPROACH SLAB ELEVATIONS  
FAI 55 OVER UP RR  
S.N. 032-0008 (SB)**

SCALE: SHEET 9 OF 14 SHEETS STA. TO STA.

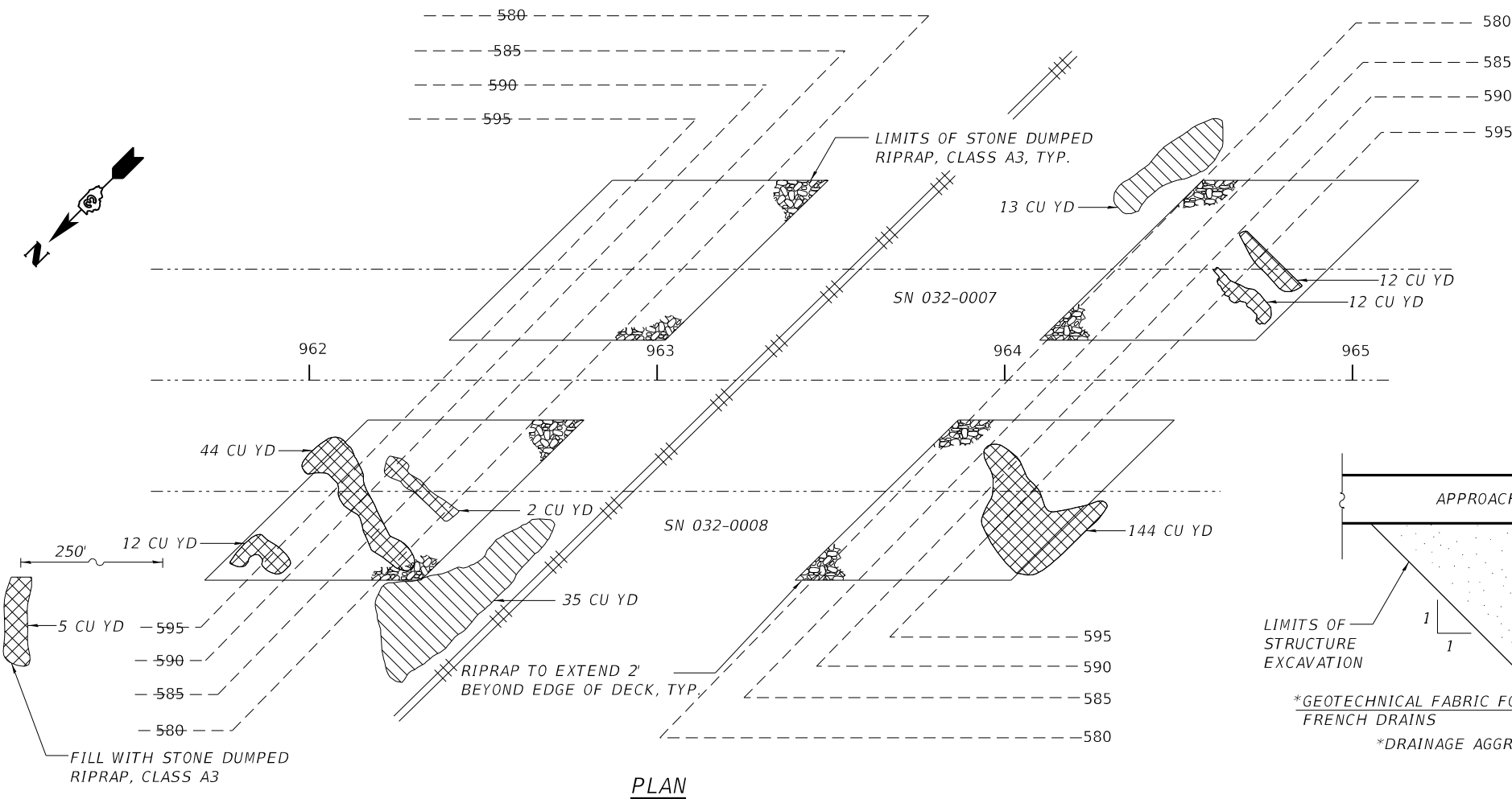
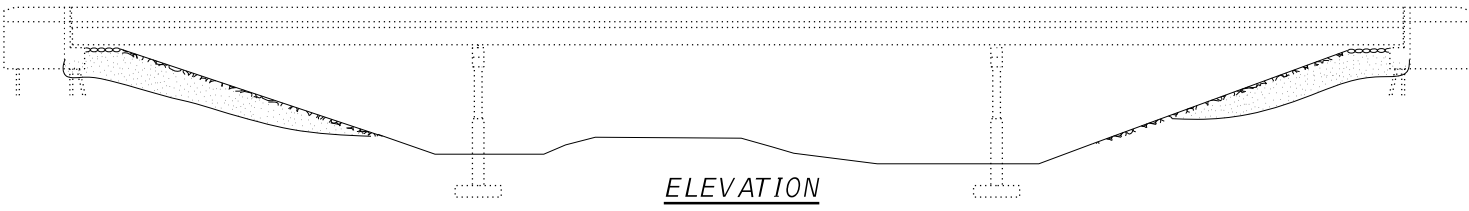
F.A.I. RTE. 55	SECTION (32-1)RS-4	COUNTY GRUNDY	TOTAL SHEETS 154	SHEET NO. 99
CONTRACT NO. 66A51			ILLINOIS FED. AID PROJECT	

**CONSTRUCTION SEQUENCE - SCOUR BENEATH ABUTMENT (SN 032-0008)**

1. PERFORM REMOVAL OF UNSUITABLE MATERIAL ALONG SLOPEWALL AS DIRECTED BY ENGINEER.
2. BACKFILL SCOURED AREAS BENEATH ABUTMENTS UP TO THE LEVEL OF THE BOTTOM OF EXISTING PILE ENCASEMENTS WITH GRANULAR BACKFILL FOR STRUCTURES.
3. EXCAVATE BEHIND EXISTING ABUTMENT FULL LENGTH.
4. PROVIDE FORMWORK ALONG FRONT FACE OF ABUTMENT TO CONTAIN LIMITS OF CONTROLLED LOW-STRENGTH MATERIAL (CLSM).
5. POUR CONTROLLED LOW-STRENGTH MATERIAL BENEATH ABUTMENT FROM EXCAVATED AREA BEHIND ABUTMENT.
6. INSTALL DRAINAGE SYSTEM BEHIND ABUTMENT.
7. BACKFILL EXCAVATED AREA BEHIND ABUTMENT WITH GRANULAR BACKFILL FOR STRUCTURES.
8. FILL IN REMAINING VOIDS IN SLOPEWALLS WITH GRANULAR BACKFILL FOR STRUCTURES UP TO ORIGINAL SLOPE ELEVATION.
9. INSTALL REVETMENT MAT AS INDICATED. MAT SHALL BE INSTALLED WHILE DECK SLAB IS REMOVED DURING EXPANSION JOINT REPLACEMENT.
10. PROVIDE STONE DUMPED RIPRAP ALONG SLOPEWALL AS INDICATED.

**TOTAL BILL OF MATERIAL**

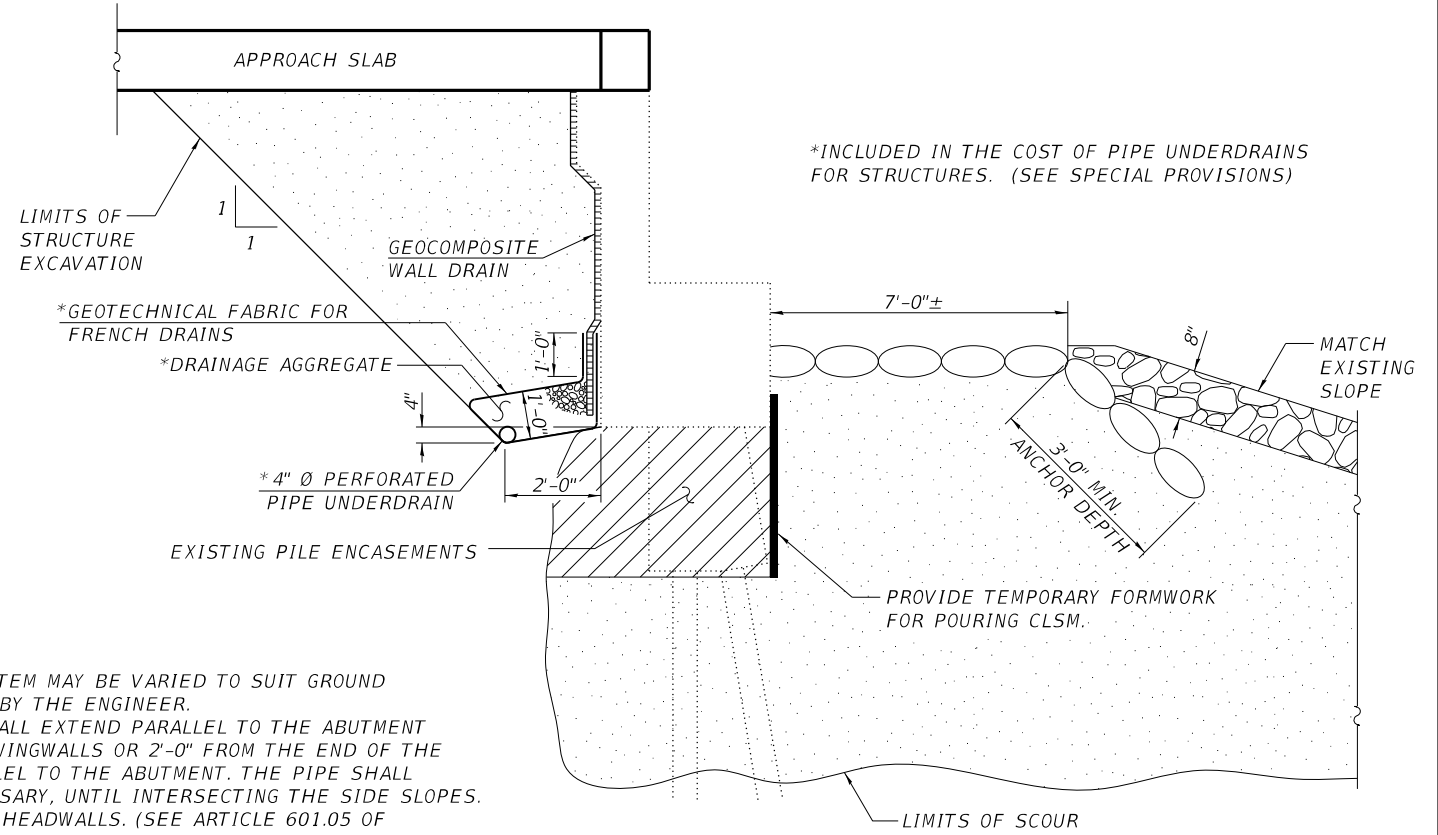
ITEM	UNIT	TOTAL
REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	10
STONE DUMPED RIPRAP, CLASS A3	SQ YD	1204
STRUCTURE EXCAVATION	CU YD	156
GRANULAR BACKFILL FOR STRUCTURES	CU YD	350
CONTROLLED LOW-STRENGTH MATERIAL	CU YD	41.8
GEOCOMPOSITE WALL DRAIN	SQ YD	86
PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	257
FABRIC FORMED CONCRETE REVETMENT MAT	SQ YD	296



**LEGEND**

- LIMITS OF SCOUR TO BE REPAIRED
- LIMITS OF GRANULAR BACKFILL FOR STRUCTURES
- LIMITS OF CONTROLLED LOW-STRENGTH MATERIAL
- LIMITS OF STONE DUMPED RIPRAP, CLASS A3
- LIMITS OF FABRIC FORMED CONCRETE REVETMENT MAT
- LIMITS OF EARTH EXCAVATION (SEE ROADWAY PLANS)

**NOTES:**  
 LAYOUT OF THE SLOPE PROTECTION SYSTEM MAY BE VARIED TO SUIT GROUND CONDITIONS IN THE FIELD AS DIRECTED BY THE ENGINEER.  
 ALL DRAINAGE SYSTEM COMPONENTS SHALL EXTEND PARALLEL TO THE ABUTMENT BACK WALL UNTIL THEY INTERSECT THE WINGWALLS OR 2'-0" FROM THE END OF THE WINGWALLS WHEN THE WINGS ARE PARALLEL TO THE ABUTMENT. THE PIPE SHALL EXTEND UNDER THE WINGWALL, IF NECESSARY, UNTIL INTERSECTING THE SIDE SLOPES. THE PIPES SHALL DRAIN INTO CONCRETE HEADWALLS. (SEE ARTICLE 601.05 OF THE STANDARD SPECIFICATIONS AND HIGHWAY STANDARD 601101).



**SLOPEWALL REPAIR**

(HORIZ. DIM. @ RT. L'S)

MODEL: \\MODELS\MH\MS FILES\Main\cadd\work\sn032\0320008\0320008-1-RiprapPlan.dwg

USER NAME = calderoni	DESIGNED - HZT	REVISED -
DRAWN - DAS	REVISIONS -	
PLOT SCALE = 100:0.000 "/>		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>SLOPE WALL REPAIR</b>		
FAI 55 OVER UP RR		
S.N. 032-0007 (NB) AND S.N. 032-0008 (SB)		
SCALE:	SHEET 10 OF 14 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(32-1)RS-4	GRUNDY	154	100
CONTRACT NO. 66A51				
ILLINOIS / FED. AID PROJECT				