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## HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420401-13	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
442101-09	CLASS B PATCHES
442201-03	CLASS C AND D PATCHES
482006-03	HMA SHOULDER ADJACENT TO RIGID PAVEMENT
515001-04	NAME PLATE FOR BRIDGES
542401-04	METAL FLARED END SECTION FOR PIPE CULVERTS
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
602301-04	INLET TYPE A
602401-07	PRECAST MANHOLE TYPE A 4' (1.22M) DIAMETER
604001-05	FRAME AND LIDS, TYPE 1
604071-06	FRAME AND GRATE TYPE 20
606201-04	TYPE B GUTTER (INLET, OUTLET, AND ENTRANCE)
610001-09	SHOULDER INLET WITH CURB
630001-12	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
631031-17	TRAFFIC BARRIER TERMINAL, TYPE 6
631033-08	TRAFFIC BARRIER TERMINAL, TYPE 6B
631046-04	TRAFFIC BARRIER TERMINAL, TYPE 10
635001-02	DELINEATORS
637006-05	CONCRETE BARRIER DOUBLE FACE, 44 IN. (1120 MM) HEIGHT
642001-02	SHOULDER RUMBLE STRIPS, 16 IN.
664001-02	CHAIN LINK FENCE
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 OPERATIONS, 2L, 2W, DAY ONLY
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701400-10	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-12	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS < 40 MPH
701428-01	TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
701446-10	TWO LANE CLOSURE, FREEWAY/EXPRESSWAY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
725001-01	OBJECT AND TERMINAL MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

## 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.

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.

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 CONTRACTOR SHALL CALL "J.U.L.I.E" AT (800) 892-0123 OR 811 AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH BURIED ELECTRIC, TELEPHONE, AND GAS UTILITIES ARE IN THE AREA. 48 HOUR NOTIFICATION IS REQUIRED.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES AND RAISED REFLECTIVE PAVEMENT MARKERS THAT CONFLICT WITH TEMPORARY MARKINGS, IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR PROPOSED STRIPING AT THE COMPLETION OF THIS CONTRACT. EXACT LOCATIONS OF ALL PROPOSED PAVEMENT MARKINGS SHALL BE DIRECTED BY THE RESIDENT ENGINEER.

THE CONTRACTOR WILL NOT BE ABLE TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.

ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH AFFECTED UTILITY COMPANIES AND THE VILLAGES OF BOLINGBROOK AND ROMEVILLE.

THE CONTRACTOR SHALL CONTRACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155, ARTERIAL TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV, AND THE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT CARLOSMUNOZ@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING ANY WORK.

THE CONTRACTOR SHALL MAINTAIN ALL ROADWAYS OPEN TO TRAFFIC AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS.

THE CONTRACTOR SHALL USE CARE NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S OWN EXPENSE.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKDAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DUST AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

PERMANENT PAVEMENT MARKINGS SHALL BE AS SPECIFIED IN THE PLANS AND SHALL BE PLACED IN ACCORDANCE WITH THE "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" DETAILS. (TC-12, MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS AND TC-13, DISTRICT ONE TYPICAL PAVEMENT MARKINGS)

THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULL LOADED TANDEM AXLE TRUCK.

ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENT IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

ALL STAGE CHANGES REQUIRING THE STOPPING AND/OR THE PACING OF TRAFFIC SHALL TAKE PLACE DURING THE ALLOWABLE HOURS FOR FULL EXPRESSWAY CLOSURES AND SHALL BE APPROVED BY THE DEPARTMENT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT LEAST 3 WORKING DAYS (WEEKENDS AND HOLIDAYS DO NOT COUNT INTO THIS 72 HOURS NOTIFICATION) IN ADVANCE OF ANY PROPOSED STAGE CHANGE.

A MAINTENANCE OF TRAFFIC PLAN SHALL BE SUBMITTED TO THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR 14 DAYS IN ADVANCE OF ANY STAGE CHANGES OR FULL EXPRESSWAY CLOSURES. THE MAINTENANCE OF TRAFFIC PLAN SHALL INCLUDE, BUT NOT BE LIMITED TO: LANE AND RAMP CLOSURES, EXISTING GEOMETRICS, AND EQUIPMENT AND MATERIAL LOCATION.

AGGREGATE SUBGRADE IMPROVEMENT SHALL BE USED TO REPLACE ANY UNSUITABLE SOILS BELOW THE BOTTOM OF THE IMPROVED SUBGRADE LAYER THAT ARE ENCOUNTERED IN THE FIELD DURING CONSTRUCTION. THE NEED FOR REMOVAL AND REPLACEMENT SHALL BE DETERMINED BY THE GEOTECHNICAL ENGINEER OR SOILS INSPECTOR. ALL POTENTIALLY UNSTABLE SOILS SHALL BE TESTED WITH A CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 OF THE SSRBC AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. ANY MATERIAL NOT NEEDED FOR UNDERCUT REPLACEMENT AT THE TIME OF CONSTRUCTION SHALL BE DELETED FROM THE CONTRACT WITH NO EXTRA COMPENSATION TO THE CONTRACTOR.

GEOTEXTILE FABRIC SHALL BE PLACED AT THE BASE OF UNDERCUT AREAS WHERE LOW STRENGTH SUBGRADE SOILS ARE ENCOUNTERED. GEOTEXTILE FABRIC SHALL NOT BE PLACED AT THE BASE OF THE PROPOSED 12 INCH IMPROVED SUBGRADE LAYER UNLESS IT IS DETERMINED NECESSARY TO ACHIEVE STABILITY BY THE GEOTECHNICAL ENGINEER OR SOILS INSPECTOR. GEOTEXTILE FABRIC SHOULD MEET THE REQUIREMENTS OF ARTILCE 210, FABRIC FOR GROUND STABILIZATION, OF THE SSRBC. ANY MATERIAL NOT NEEDED AT THE TIME OF CONSTRUCTION SHALL BE DELETED FROM THE CONTRACT WITH NO EXTRA COMPENSATION TO THE CONTRACTOR.

THE STRIPPED TOPSOIL SHALL BE STOCKPILED, SORTED, AND REUSED FOR THE PROPOSED LANDSCAPING IMPROVEMENTS. THE ACTUAL REMOVAL DEPTH AND QUANTITY OF TOPSOIL REMOVAL SHALL BE VERIFIED IN THE FIELD.

THE INTERCHANGE AT I-55 AND IL 53 WILL NOT BE AVAILABLE TO THE CONTRACTOR FOR ANY PURPOSE IN ORDER TO PROTECT THE ONRAMENTAL LANDSCAPING PRESENT AT THE SITE.

## COMMITMENTS

NONE.

HOT- MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE		
HOT-MIX ASPHALT SHOULDER, 15"		
HOT-MIX ASPHALT SURFACE COURSE IL-9.5, MIX "D", N70; 2"		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 13"		
FILLING EXISTING RUMBLE STRIP		
HOT-MIX ASPHALT SURFACE COURSE IL-9.5, MIX "D", N70, 1.5"		
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE; QUALITY CONTROL FOR PERFORMANCE (QCP)		
CLASS D PATCH (HOT-MIX ASPHALT BINDER COURSE IL-19.0)		
TEMPORARY PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE IL-9.5, MIX "D", N70; 2"		
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 13"		

## MIXTURE TABLE NOTES

- THE UNIT WEIGHT USED TO CALCUALTE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN.
- THE AC TYPE FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE AC TYPE SHALL BE "PG 64-22" UNLESS MODIFIED BY SPECIAL PROVISIONS.
- FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
- QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

FACTORS FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

AGGREGATE SHOULDERS	1.60 TON/CU YD
SEEDING, CLASS 2A	200 LB/ACRE
SHORT TERM PAVEMENT MARKING	10 FT/100 FT
NITROGEN FERTILIZER NUTRIENT	90 LB/ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90 LB/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LB/ACRE
GRANULAR MATERIAL	2.05 TONS/CU YD
MULCH	2 TON/ACRE

## DISTRICT STANDARDS

TC-08	ENTRANCE AND EXIT RAMP CLOSURE DETAILS
TC-09	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE AND MULTI-LANE WEAVE
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC-12	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-17	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES
TC-18	FREEWAY/EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS ON FREEWAYS/EXPRESSWAYS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-25	TRAFFIC CONTROL DETAILS FOR FREEWAY CENTER LANE CLOSURE SHOULDER LANE
TC-26	DRIVEWAY ENTRANCE SIGNING
TC-27	MILE POST MARKERS - GORE SIGNS - MAJOR GUIDE SIGN LAYOUT - ARROWS
TS-02	DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS
TS-05	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS
BD-51	BENCHING DETAIL FOR EMBANKMENT WIDENING
BE-305	LIGHT POLE FOUNDATION, METAL
BE-322	24" (609.6 MM) DIA. LIGHT POLE FOUNDATION INTEGRAL WITH DOUBLE FACE BARRIER WALL
BE-702	MISC. ELECTRICAL DETAILS SHEET A
BE-703	MISC. ELECTRICAL DETAILS SHEET B, J BOX EMBEDDED IN BARRIER WALL - INSTALLATION OF CONDUIT IN BRIDGE PARAPET EXPANSION JOINT - ELECTRIC CONNECTION TO UNDERPASS LIGHTING
BE-705	COMMUNICATIONS VAULT, COMPOSITE CONCRETE
BE-800	TEMPORARY LIGHT POLE DETAILS
BE-801	TEMPORARY AERIAL CABLE INSTALLATION
BE-901	SUSPENDED MOUNT LED UNDERPASS LUMINAIRE INSTALLATION DETAILS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				90% FEDERAL 10 % STATE	90% FEDERAL 10 % STATE	90% FEDERAL 10 % STATE
				LIGHTING	SN 099-0028	SN 099-0260
				0021	0013	0013
				URBAN	URBAN	URBAN
* 20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	117		42	75
20101000	TEMPORARY FENCE	FOOT	2,452			2,452
20101200	TREE ROOT PRUNING	EACH	21			21
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	4			4
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	17			17
20200100	EARTH EXCAVATION	CU YD	1,630		900	730
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	96			96
20800150	TRENCH BACKFILL	CU YD	<del>355-682</del>			<del>355-682</del>
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1,172		702	470
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	525		80	445
* 25000210	SEEDING, CLASS 2A	ACRE	1.0		0.25	0.75
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	100		30	70
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	100		30	70
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	100		30	70

\* SPECIALTY ITEM

REVISED SHEET 5/26/2021 REV-SEP



USER NAME = 14nh	DESIGNED - NH	REVISED -
	DRAWN - NH	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - ST	REVISED -
PLOT DATE = 4/15/2021	DATE - 4/2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 55 (I-55) SUMMARY OF QUANTITIES		
SCALE: N.T.S.	SHEET 1 OF 20 SHEETS	STA. TO STA.

F.A.I. RTE. 55	SECTION 2018-043-BD&BJR	COUNTY WILL	TOTAL SHEETS 430	SHEET NO. 3
CONTRACT NO. 62H03			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				90% FEDERAL 10 % STATE	90% FEDERAL 10 % STATE	90% FEDERAL 10 % STATE
				LIGHTING	SN 099-0028	SN 099-0260
				0021	0013	0013
				URBAN	URBAN	URBAN
44200970	CLASS B PATCHES, TYPE II, 10 INCH	SQ YD	60			60
44200974	CLASS B PATCHES, TYPE III, 10 INCH	SQ YD	51			51
44200976	CLASS B PATCHES, TYPE IV, 10 INCH	SQ YD	638			638
44201761	CLASS D PATCHES, TYPE I, 10 INCH	SQ YD	3			3
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	40		26	14
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	165		57	108
48203057	HOT-MIX ASPHALT SHOULDERS, 15"	SQ YD	2,764		1,440	1,324
50100500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1		1	
50102400	CONCRETE REMOVAL	CU YD	<del>170.3</del> 175.7		<del>60.3</del> 65.7	110.0
50104650	SLOPE WALL REMOVAL	SQ YD	154		72	82
50104701	REMOVAL OF EXISTING CONCRETE DECK NO.1	EACH	1			1
50157300	PROTECTIVE SHIELD	SQ YD	1,157		1,157	
50200100	STRUCTURE EXCAVATION	CU YD	1,971		912	1,059
50300225	CONCRETE STRUCTURES	CU YD	1,255.7		550.2	705.5



50100500 REMOVAL OF EXISTING SUPERSTRUCTURES

50102400 CONCRETE REMOVAL



\* SPECIALTY ITEM

REVISED SHEET 5/26/2021

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 55 (I-55)  
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET 3 OF 20 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2018-043-BD&BJR	WILL	430	5
CONTRACT NO. 62H03			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				90% FEDERAL 10 % STATE	90% FEDERAL 10 % STATE	90% FEDERAL 10 % STATE
				LIGHTING	SN 099-0028	SN 099-0260
				0021	0013	0013
				URBAN	URBAN	URBAN
50300255	CONCRETE SUPERSTRUCTURE	CU YD	2,064.3		876.2	1,188.1
50300300	PROTECTIVE COAT	SQ YD	9,625		4,386	5,239
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	725.2		371.0	354.2
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1.0		0.9	0.1
50500505	STUD SHEAR CONNECTORS	EACH	25,573		22,617	2,956
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1,020,140		465,070	555,070
50800515	BAR SPLICERS	EACH	3,785		1,677	2,108
50800530	MECHANICAL SPLICERS	EACH	12			12
51100100	SLOPE WALL 4 INCH	SQ YD	<del>500</del> 615		<del>397</del> 504	111
* <del>51200950</del> 51200957	<del>FURNISHING METAL SHELL PILES 14" X 0.250"</del> FURNISHING METAL SHELL PILES 12" X 0.250"	FOOT	125			125
* 51200959	FURNISHING METAL SHELL PILES 14" X 0.312"	FOOT	380		380	
* 51202305	DRIVING PILES	FOOT	505		380	125
* 51203200	TEST PILE METAL SHELLS	EACH	6		2	4
* 51204650	PILE SHOES	EACH	20		20	

\* SPECIALTY ITEM

REVISOR SHEET 5/26/2021

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 55 (I-55) SUMMARY OF QUANTITIES		
SCALE: N.T.S.	SHEET 4 OF 20 SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2018-043-BD&BJR	WILL	430	6
CONTRACT NO. 62H03			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				90% FEDERAL 10% STATE	90% FEDERAL 10% STATE	90% FEDERAL 10% STATE
				LIGHTING	SN 099-0028	SN 099-0260
				0021	0013	0013
				URBAN	URBAN	URBAN
51500100	NAME PLATES	EACH	4		1	3
52000030	PREFORMED JOINT SEAL 2 1/2"	FOOT	572		271	301
52000110	PREFORMED JOINT STRIP SEAL	FOOT	842		546	296
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE 1	EACH	95		63	32
52100510	ANCHOR BOLTS, 3/4"	EACH	84		84	
52100520	ANCHOR BOLTS, 1"	EACH	62		42	20
52100530	ANCHOR BOLTS, 1 1/4"	EACH	42		42	
52200010	TEMPORARY SHEET PILING	SQ FT	2,501		2,501	
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	3,668		110	3,558
* 52200100	FURNISHING SOLDIER PILES (HP SECTION)	FOOT	667			667
* 52200105	FURNISHING SOLDIER PILES (W SECTION)	FOOT	1,457			1,457
* 52200200	DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU FT	8,483			8,483
* 52200250	UNTREATED TIMBER LAGGING	SQ FT	3,079			3,079
54210182	PIPE ELBOW, 12"	EACH	3			3
54262712	METAL FLARED END SECTIONS 12"	EACH	1		1	



\* SPECIALTY ITEM

REVISED SHEET 5/26/2021

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 55 (I-55)  
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET 5 OF 20 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2018-043-BD&BJR	WILL	430	7
			CONTRACT NO. 62H03	
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				90% FEDERAL 10 % STATE	90% FEDERAL 10 % STATE	90% FEDERAL 10 % STATE
				LIGHTING	SN 099-0028	SN 099-0260
				0021	0013	0013
				URBAN	URBAN	URBAN
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	50		14	36
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	581			581
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	908		625	283
58700300	CONCRETE SEALER	SQ FT	8,402		1,954	6,448
59000200	EPOXY CRACK INJECTION	FOOT	126			126
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	739	⚠	417	322 ⚠
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	2		2	
60100945	PIPE DRAINS 12"	FOOT	186		53	133
60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	50		50	
60108206	PIPE UNDERDRAINS, TYPE 2, 6"	FOOT	3,399		1,789	1,610
60201310	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	EACH	1			1
60218400	MANHOLES, TYPE A, 4'- DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5		1	4
60219510	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	EACH	3			3
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1			1

\* SPECIALTY ITEM

⚠ REVISED SHEET 5/26/2021



USER NAME = 14nho	DESIGNED - NH	REVISED -
	DRAWN - NH	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - ST	REVISED -
PLOT DATE = 4/15/2021	DATE - 4/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**F.A.I. ROUTE 55 (I-55)  
SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET 6 OF 20 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2018-043-BD&BJR	WILL	430	8
CONTRACT NO. 62H03			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				90% FEDERAL 10 % STATE	90% FEDERAL 10 % STATE	90% FEDERAL 10 % STATE
				LIGHTING	SN 099-0028	SN 099-0260
				0021	0013	0013
				URBAN	URBAN	URBAN
64300260	IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	→ 1			→ 1
64300350	IMPACT ATTENUATORS (FULLY REDIRECTIVE, WIDE), TEST LEVEL 2	EACH	2			2
64301090	ATTENUATOR BASE	SQ YD	38			38
<del>66400305</del>	<del>CHAIN LINK FENCE, 6'</del>	<del>FOOT</del>	<del>804</del>		<del>804</del>	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	890		445	445
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	4		2	2
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1		0.5	0.5
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1		0.5	0.5
* 66901006	REGULATED SUBSTANCES MONITORING	DAYS	252		126	126
67100100	MOBILIZATION	L SUM	1		0.5	0.5
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1		0.5	0.5
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1			1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1			1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	120			120
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	690		390	300

\* SPECIALTY ITEM

△ REVISED SHEET 5/26/2021 REV-SEP



USER NAME = 14nho	DESIGNED - NH	REVISED -
DRAWN - NH	CHECKED - ST	REVISED -
PLOT SCALE = 2,0000' / in.	DATE - 4/2021	REVISED -
PLOT DATE = 4/15/2021		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 55 (I-55)  
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET 9 OF 20 SHEETS STA. TO STA.

F.A.I. RTE. 55	SECTION 2018-043-BD&BJR	COUNTY WILL	TOTAL SHEETS 430	SHEET NO. 11
CONTRACT NO. 62H03			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				90% FEDERAL 10 % STATE	90% FEDERAL 10 % STATE	90% FEDERAL 10 % STATE
				LIGHTING	SN 099-0028	SN 099-0260
				0021	0013	0013
				URBAN	URBAN	URBAN
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3,472			3,472
* 87900200	DRILL EXISTING HANDHOLE	EACH	32		14	18
* 88600100	DETECTOR LOOP, TYPE I	FOOT	705			705
* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2			2
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	18,990	9,681	4,585	4,724
* 89502380	REMOVE EXISTING HANDHOLE	EACH	4		2	2
* A2004620	TREE, GLEDITSIA TRIACANTHOS INERMIS (THORNLESS COMMON HONEYLOCUST), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	7			7
* B2001666	TREE, CRATAEGUS CRUSGALLI INERMIS (THORNLESS COCKSPUR HAWTHORN), 6' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	1			1
* K0036120	MULCH PLACEMENT 4"	SQ YD	1,957			1,957
* X0322247	MAINTENANCE OF EXISTING TRAFFIC SURVEILLANCE	L SUM	1		0.5	0.5
X0322916	PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER	EACH	1			1
X0322917	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	1			1
X0322918	PROPOSED MANHOLE/CATCH BASIN CONNECTION OVER EXISTING STORM SEWER	EACH	75		1	64
X0323586	PIPE DRAIN REMOVAL	FOOT	48		48	
* X0323914	FIBER OPTIC CABLE SPLICE - LATERAL	EACH	7		1	6

\* SPECIALTY ITEM

REVISOR SHEET 5/26/2021



USER NAME = 14nho	DESIGNED - NH	REVISED -
	DRAWN - NH	REVISED -
PLOT SCALE = 2,0000' / in.	CHECKED - ST	REVISED -
PLOT DATE = 4/15/2021	DATE - 4/2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 55 (I-55) SUMMARY OF QUANTITIES	
SCALE: N.T.S.	SHEET 15 OF 20 SHEETS STA. TO STA.

F.A.I. RTE. 55	SECTION 2018-043-BD&BJR	COUNTY WILL	TOTAL SHEETS 430	SHEET NO. 17
CONTRACT NO. 62H03			ILLINOIS FED. AID PROJECT	



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				90% FEDERAL 10 % STATE	90% FEDERAL 10 % STATE	90% FEDERAL 10 % STATE
				LIGHTING	SN 099-0028	SN 099-0260
				0021	0013	0013
				URBAN	URBAN	URBAN
* X1400342	UNDERPASS LIGHTING REMOVAL	L SUM	1	1		
* X2700003	GROOVING FOR RECESSED PAVEMENT MARKING 8"	FOOT	595		517	78
X3400001	REMOVE AND SALVAGE LIMESTONE RETENTION BLOCK WALLS	L SUM	1			1
X4400110	TEMPORARY PAVEMENT REMOVAL	SQ YD	339		339	
X4404400	PAVEMENT REMOVAL (SPECIAL)	SQ YD	125			125
X5010523	REMOVE CONCRETE END SECTION	EACH	1		1	
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	4,895		2,518	2,377
X6430120	REMOVE IMPACT ATTENUATORS, NO SALVAGE	EACH	3			3
X6640308	CHAIN LINK GATES (SPECIAL)	EACH	2		2	1
X6431110	REMOVE ATTENUATOR BASE	EACH	3			3
X6640560	CHAIN LINK FENCE, 6' (SPECIAL)	FOOT	804		804	1
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	30		15	15
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1		0.5	0.5
X7011015	TRAFFIC CONTROL AND PROTECTION, (EXPRESSWAY)	L SUM	1		0.5	0.5
X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	CAL DA	730		365	365
X7040125	PINNING TEMPORARY CONCRETE BARRIER	EACH	6,245		3,001	3,244

\* SPECIALTY ITEM

REVISSED SHEET 6/1/2021



USER NAME = 14nho	DESIGNED - NH	REVISED -
	DRAWN - NH	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED - ST	REVISED -
PLOT DATE = 4/15/2021	DATE - 4/2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 55 (I-55)  
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET 17 OF 20 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2018-043-BD&BJR	WILL	430	19
CONTRACT NO. 62H03			ILLINOIS FED. AID PROJECT	

**AGGREGATE SUBGRADE IMPROVEMENT 12"**

FROM STATION	TO STATION	LT/RT	AREA (SQ YD)
203+22.00	208+39.88	RT	545.85
204+08.39	208+80.72	LT	612.74
211+00.54	215+08.84	RT	551.65
211+41.39	217+56.57	LT	402.04
286+23.12	291+00.00	RT	391.19
294+03.58	300+67.91	LT	1566.32
294+90.55	299+36.95	RT	675.90
301+01.33	302+22.67	RT	462.02
302+12.96	304+70.11	LT	627.77
ROUNDED TOTAL			5,836

**PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB**

FROM STATION	TO STATION	LT/RT	AREA (SQ YD)
207+85.93	208+35.45	RT	153.10
208+26.78	208+69.69	LT	124.94
211+11.58	211+54.49	RT	122.49
211+45.82	211+95.33	LT	153.19
298+15.61	299+24.93	RT	309.38
299+27.24	300+37.79	LT	338.99
301+30.35	302+22.69	RT	234.97
302+24.93	303+53.58	LT	484.67
ROUNDED TOTAL			1,922

**PAVEMENT REMOVAL**

FROM STATION	TO STATION	LT/RT	AREA (SQ YD)
207+85.93	208+35.45	RT	215.18
208+26.78	208+69.69	LT	182.84
211+11.58	211+54.49	RT	186.64
211+45.82	211+95.33	LT	216.07
298+15.61	299+24.93	RT	415.12
299+27.24	300+37.79	LT	480.04
301+30.35	302+22.69	RT	344.99
302+24.93	303+53.58	LT	567.55
316+34.24	317+52.15	LT	198.77
ROUNDED TOTAL			2,808

**GUTTER REMOVAL**

FROM STATION	TO STATION	LT/RT	FOOT
298+64.73	298+68.28	RT	10.00
300+97.15	302+05.70	RT	109.35
ROUNDED TOTAL			120

**CONCRETE BARRIER REMOVAL**

FROM STATION	TO STATION	LT/RT	FOOT
200+16.02	208+40.79	LT/RT	824.29
211+40.47	219+65.32	LT/RT	825.40
286+23.12	299+41.03	LT/RT	1,317.91
300+97.71	302+04.50	RT	106.77
302+08.88	314+26.68	LT/RT	1,217.80
ROUNDED TOTAL			4,293

**PAVED SHOULDER REMOVAL**

FROM STATION	TO STATION	LT/RT	AREA (SQ YD)
286+23.12	291+00.00	RT	338.71
294+03.58	299+27.24	LT	898.87
ROUNDED TOTAL			1,238

**AGGREGATE WEDGE SHOULDER, TYPE B**

FROM STATION	TO STATION	LT/RT	TON
201+79.28	208+15.93	RT	47.56
204+08.39	208+95.72	LT	35.08
210+84.62	215+08.81	RT	25.20
294+90.17	298+45.56	RT	26.14
299+33.86	300+70.49	LT	6.89
303+23.58	306+44.01	LT	23.54
ROUNDED TOTAL			165

**HOT-MIX ASPHALT SHOULDERS, 15"**

FROM STATION	TO STATION	LT/RT	AREA (SQ YD)
203+22.02	208+11.97	RT	252.87
204+08.39	208+26.78	LT	330.11
211+54.49	215+08.84	RT	279.97
211+95.33	217+56.52	LT	461.09
286+23.12	291+00.00	RT	338.71
294+03.58	299+27.24	LT	898.87
294+90.43	298+15.61	RT	190.55
303+53.58	304+70.11	LT	11.51
ROUNDED TOTAL			2,764

**PIPE ELBOW, 12"**

FROM STATION	LT/RT	EACH
207+92.87	RT	1
208+70.55	LT	1
211+09.48	RT	1
TOTAL		3

**METAL FLARED END SECTION 12"**

FROM STATION	LT/RT	EACH
300+58.31	LT	1
TOTAL		1

**STORM SEWERS, CLASS A, TYPE 2 12"**

FROM STATION	TO STATION	LT/RT	EACH
211+89.00	211+89.00	LT	36.00
300+07.81	300+17.14	RT	13.17
TOTAL			50

**STORM SEWERS, CLASS A, TYPE 2 15"**

FROM STATION	TO STATION	LT/RT	EACH
213+24.00	214+91.00	LT	163.00
214+91.00	214+91.00	LT	2.00
214+91.00	216+77.00	LT	182.00
214+91.00	214+73.00	LT	16.00
TOTAL			363

**PIPE DRAINS 12"**

FROM STATION	TO STATION	LT/RT	FOOT
207+93.00	208+06.00	RT	54.00
208+70.00	209+06.00	LT	23.00
210+77.00	211+10.00	RT	56.00
298+23.11	298+49.26	RT	36.00
300+47.86	300+56.55	LT	12.28
301+35.43	301+35.43	RT	4.10
ROUNDED TOTAL			186

**CATCH BASINS, TYPE A, 4' DIA TYPE 20 FRAME AND GRATE**

FROM STATION	LT/RT	EACH
213+24.00	LT	1
216+77.00	LT	1
TOTAL		2

**STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS**

FROM STATION	TO STATION	LT/RT	FOOT
202+29.12	207+79.04	RT	550.00
204+58.22	208+95.72	LT	437.50
210+84.62	213+09.65	RT	225.00
295+41.17	298+45.61	RT	300.00
303+60.48	305+60.51	LT	200.00
ROUNDED TOTAL			1,712.5

**PIPE UNDERDRAINS, TYPE 2, 6"**

FROM STATION	TO STATION	LT/RT	AREA (SQ YD)
204+08.39	208+26.78	LT	418.39
207+85.93	208+35.45	RT	26.04
207+85.93	208+35.45	RT	49.52
208+26.78	208+46.21	LT	19.45
208+26.78	208+46.21	LT	42.91
211+35.06	211+54.49	RT	42.92
211+35.06	211+54.49	RT	19.44
211+45.82	211+95.33	LT	49.52
211+45.82	211+95.33	LT	26.03
211+54.49	215+08.84	RT	354.35
211+95.33	217+56.54	LT	561.21
286+23.12	291+00.00	RT	476.89
294+03.58	299+54.26	LT	523.77
294+90.43	298+15.61	RT	325.18
298+15.61	298+59.63	RT	109.33
298+15.61	299+24.93	RT	44.03
299+27.24	299+54.06	LT	27.07
301+30.35	302+22.67	RT	92.33
301+95.65	302+22.67	RT	27.04
302+24.93	303+53.58	LT	34.29
303+19.29	303+52.58	LT	128.62
ROUNDED TOTAL			3,399

**MANHOLES, TYPE A, 4' DIA, TYPE 1 FRAME, CLOSED LID**

FROM STATION	LT/RT	EACH
208+06.00	LT	1
209+05.00	LT	1
210+77.00	LT	1
211+89.00	LT	1
301+35.43	LT	1
TOTAL		5

**INLETS, TYPE A, TYPE 1 FRAME, OPEN LID**

FROM STATION	LT/RT	EACH
300+05.63	RT	1
TOTAL		1

**PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE**

FROM STATION	LT/RT	EACH
214+73.00	LT	1
TOTAL		1

**CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID**

FROM STATION	LT/RT	EACH
293+94.42	RT	1
TOTAL		1

**MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID**

FROM STATION	LT/RT	EACH
293+89.55	LT	1
293+98.35	LT	1
305+53.91	LT	1
305+59.47	RT	1
1460+27.72	RT	1
1461+76.29	LT	1
TOTAL		6

**INLETS TO BE ADJUSTED**

FROM STATION	LT/RT	EACH
302+09.06	RT	1
1459+72.45	LT	1
1460+19.96	RT	1
TOTAL		3

**INLETS TO BE ADJUSTED WITH NEW TYPE 20 FRAME**

FROM STATION	TO STATION	LT/RT	EACH
200+31.02	208+40.79	LT/RT	5
211+40.47	219+50.32	LT/RT	4
286+38.12	299+41.03	LT/RT	3
302+08.88	314+11.68	LT/RT	3
1461+64.69		LT/RT	1
1461+67.34		RT	1
TOTAL			17

**INLETS TO BE RECONSTRUCTED**

FROM STATION	TO STATION	LT/RT	EACH
200+31.02	208+40.79	LT/RT	5
211+40.47	219+50.32	LT/RT	4
286+38.12	299+41.03	LT/RT	3
302+08.88	314+11.68	LT/RT	3
TOTAL			15



USER NAME = 14nho	DESIGNED - NH	REVISED - 04/21/2021 RC
	DRAWN - NH	REVISED -
PLOT SCALE = 2,000' / in.	CHECKED - ST	REVISED -
PLOT DATE = 5/25/2021	DATE - 4/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**F.A.I. ROUTE 55 (I-55)  
SCHEDULE OF QUANTITIES**

SCALE: N.T.S. SHEET 2 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2018-043-BD&BJR	WILL	430	24
CONTRACT NO. 62H03				
ILLINOIS FED. AID PROJECT				

**REVISED SHEET 5/27/2021**

**FRAMES AND GRATES TO BE ADJUSTED**

FROM STATION	LT/RT	EACH
200+79.22	LT	1
200+79.39	RT	1
202+90.21	LT	1
202+90.48	RT	1
204+84.87	RT	1
204+84.88	LT	1
206+75.14	RT	1
206+75.28	LT	1
208+24.96	LT	1
208+25.07	RT	1
211+53.31	RT	1
211+53.70	LT	1
213+04.69	LT	1
213+04.72	RT	1
214+90.65	LT	1
214+90.72	RT	1
217+82.33	LT	1
217+82.42	RT	1
289+22.27	RT	1
289+22.32	LT	1
292+96.46	RT	1
292+96.75	LT	1
293+89.55	LT	1
293+94.42	RT	1
293+98.35	LT	1
295+44.26	RT	1
295+44.31	LT	1
305+30.17	LT	1
305+53.91	LT	1
305+59.47	RT	1
305+69.48	LT	1
305+69.94	RT	1
308+45.23	RT	1
311+43.38	LT	1
311+43.48	RT	1
<b>TOTAL</b>		<b>35</b>

**CATCH BASINS TO BE ADJUSTED**

FROM STATION	LT/RT	EACH
293+97.02	LT	1
300+95.64	RT	1
<b>TOTAL</b>		<b>2</b>

**REMOVING INLETS**

FROM STATION	LT/RT	EACH
298+59.81	RT	1
300+05.63	RT	1
300+59.18	LT	1
300+96.91	RT	1
<b>TOTAL</b>		<b>4</b>

**CONCRETE GUTTER, TYPE B**

FROM STATION	TO STATION	LT/RT	FOOT
298+49.26	298+56.69	RT	10.00
300+97.15	302+05.70	LT	84.31
<b>ROUNDED TOTAL</b>			<b>95</b>

**CONCRETE THRUST BLOCKS**

FROM STATION	LT/RT	EACH
207+93.00	RT	1
208+70.00	LT	1
211+09.00	RT	1
300+58.31	LT	1
<b>TOTAL</b>		<b>4</b>

**TYPE F INLET BOX, STANDARD 610001**

FROM STATION	LT/RT	EACH
298+23.04	RT	1
300+47.86	LT	1
301+35.27	RT	1
<b>TOTAL</b>		<b>3</b>

**TRAFFIC BARRIER TERMINAL, TYPE 2**

FROM STATION	TO STATION	LT/RT	EACH
204+45.72	204+58.22	LT	1
213+09.65	213+22.15	RT	1
<b>TOTAL</b>			<b>2</b>

**TRAFFIC BARRIER TERMINAL, TYPE 6**

FROM STATION	TO STATION	LT/RT	EACH
207+79.04	208+18.43	RT	1
<b>TOTAL</b>			<b>1</b>

**CONCRETE GUTTER TRANSITION**

FROM STATION	TO STATION	LT/RT	FOOT
300+97.16	301+21.98	RT	25.00
<b>ROUNDED TOTAL</b>			<b>25</b>

**TRAFFIC BARRIER TERMINAL, TYPE 6B**

FROM STATION	TO STATION	LT/RT	EACH
298+08.71	298+60.61	RT	1
303+08.58	303+60.48	LT	1
<b>TOTAL</b>			<b>2</b>

**TRAFFIC BARRIER TERMINAL, TYPE 10**

FROM STATION	TO STATION	LT/RT	EACH
208+95.72	208+98.03	LT	1
210+82.31	210+84.62	RT	1
<b>TOTAL</b>			<b>2</b>

**TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT**

FROM STATION	TO STATION	LT/RT	EACH
201+79.12	202+29.12	RT	1
294+91.17	295+41.17	RT	1
305+60.51	306+10.44	LT	1
<b>TOTAL</b>			<b>3</b>

**GUARDRAIL REMOVAL**

FROM STATION	TO STATION	LT/RT	FOOT
201+80.62	208+36.34	RT	655.91
206+79.90	209+05.65	LT	225.66
210+75.98	213+15.82	RT	239.76
295+11.51	298+66.40	RT	354.93
303+10.66	306+81.73	LT	371.21
<b>ROUNDED TOTAL</b>			<b>1,848</b>

**CONCRETE BARRIER, SINGLE FACE, 44 INCH HEIGHT**

FROM STATION	TO STATION	LT/RT	FOOT
300+97.71	302+04.50	RT	106.77
<b>ROUNDED TOTAL</b>			<b>107</b>

**CONCRETE BARRIER, DOUBLE FACE, 44 INCH HEIGHT**

FROM STATION	TO STATION	LT/RT	EACH
200+46.02	208+40.79	LT/RT	794.29
211+40.47	219+35.32	LT/RT	795.40
286+53.12	299+41.03	LT/RT	1,287.91
302+08.88	313+96.68	LT/RT	1,187.80
<b>TOTAL</b>			<b>4,066</b>

**CONCRETE BARRIER TRANSITION**

FROM STATION	TO STATION	LT/RT	EACH
200+16.02	200+46.02	LT/RT	30.00
219+35.32	219+65.32	LT/RT	30.00
286+23.12	286+53.12	LT/RT	30.00
313+96.68	314+26.68	LT/RT	30.00
<b>TOTAL</b>			<b>120</b>

**CONCRETE BARRIER BASE**

FROM STATION	TO STATION	LT/RT	FOOT
300+97.71	302+04.50	RT	106.77
<b>ROUNDED TOTAL</b>			<b>107</b>

**MODULAR GLARE SCREEN SYSTEM, TEMPORARY**

FROM STATION	TO STATION	LT/RT	FOOT
<b>STAGE 1</b>			
200+16.02	219+65.32	LT	1,950.00
286+23.14	314+26.72	LT	2,800.00
<b>STAGE 2</b>			
200+16.02	219+65.32	LT	1,950.00
<b>ROUNDED TOTAL</b>			<b>6,700</b>

**IMPACT ATTENUATORS (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3**

FROM STATION	LT/RT	EACH
216+91.70	LT	1
<b>TOTAL</b>		<b>1</b>

**ATTENUATOR BASE**

FROM STATION	LT/RT	AREA (SQ YD)
216+91.70	LT	10.52
1459+48.95	RT/LT	14.06
1461+53.93	RT/LT	13.17
<b>ROUNDED TOTAL</b>		<b>38</b>

**IMPACT ATTENUATORS (FULLY REDIRECTIVE, WIDE), TEST LEVEL 2**

FROM STATION	LT/RT	EACH
1459+48.95	RT/LT	1
1461+53.93	RT/LT	1
<b>TOTAL</b>		<b>2</b>

**PAVEMENT MARKING TAPE, TYPE IV - LETTERS AND SYMBOLS**

FROM STATION	LT/RT	SQ FT
<b>PRESTAGE A</b>		
1459+51.90	RT	36.4
1459+85.77	LT	72.8
1461+31.72	RT	36.4
1461+62.80	LT	72.8
1463+47.14	LT	36.4
1463+47.32	LT	36.4
1465+05.05	LT	36.4
1465+05.22	LT	36.4
1469+65.87	LT	36.4
1469+66.29	LT	36.4
<b>PRESTAGE B</b>		
1456+23.31	RT	36.4
1456+23.98	RT	36.4
1457+52.94	RT	36.4
1457+53.12	RT	36.4
1459+51.80	RT	72.8
1459+84.59	LT	72.8
1461+25.50	RT	72.8
1461+72.19	LT	36.4
1463+46.14	LT	36.4
1463+46.53	LT	36.4
1463+98.76	LT	36.4
1465+04.24	LT	36.4
1465+04.64	LT	36.4
1467+67.29	LT	36.4
<b>ROUNDED TOTAL</b>		<b>1,056</b>

**MANHOLES, TYPE A, 4' DIA, TYPE 20 FRAME AND GRATE**

FROM STATION	LT/RT	EACH
211+89.00	LT	1
214+91.00	LT	1
<b>TOTAL</b>		<b>2</b>

**REMOVE IMPACT ATTENUATORS, NO SALVAGE**

FROM STATION	LT/RT	EACH
217+23.41	LT	1
1459+48.95	RT/LT	1
1461+53.93	RT/LT	1
<b>TOTAL</b>		<b>3</b>

PAVEMENT MARKING TAPE, TYPE IV 4"

FROM STATION	TO STATION	LT/RT	FOOT
PRESTAGE 1A			
1459+40.96	1461+76.71	LT	235.78
1459+45.94	1461+78.24	RT	232.30
1463+03.41	1469+88.58	LT	691.64
1473+13.11	1480+50.47	LT	740.03
292+29.20	304+43.17	LT	1,213.56
294+03.58	300+89.93	RT	688.94
PRESTAGE 1B			
1449+96.01	1454+59.70	RT	325.16
1449+96.01	1456+17.54	RT	203.03
1451+19.28	1454+85.67	RT	766.62
1459+35.97	1461+77.64	LT	241.66
1459+45.94	1461+77.61	LT	231.66
1459+48.51	1461+77.61	RT	229.10
1459+48.55	1461+96.54	RT	248.00
1459+48.55	1461+96.78		62.06
1467+77.20	1470+31.05	LT	288.04
1471+34.30	1474+53.38	LT	320.00
198+06.04	221+00.28	RT	2,295.26
198+81.03	221+75.29	LT	2,297.69
283+87.64	284+82.72	RT	95.09
283+87.64	315+86.02	RT	3,198.54
284+80.75	316+21.68	LT	3,141.23
291+44.95	305+22.61	RT	1,378.21
314+92.81	319+62.15	LT	469.89
STAGE 1			
197+43.40	221+43.24	RT/LT	2,400.30
200+69.18	217+63.89	RT	1,695.00
200+69.18	204+82.05	RT	414.33
202+79.43	217+03.94	LT	1,424.79
202+79.43	217+03.94	LT	1,424.79
208+45.11	211+54.78	LT	309.67
208+45.11	211+54.78	RT	309.67
283+19.88	283+69.36	RT	49.80
283+19.88	317+27.19	RT/LT	3,408.06
289+30.89	322+06.48	LT	3,276.04
291+44.93	305+23.57	RT	1,378.85
299+14.52	302+22.80	RT	308.28
299+14.52	302+22.80	LT	308.28
299+33.80	308+68.20	LT	934.40
317+52.15	322+06.48	LT	454.45

PAVEMENT MARKING TAPE, TYPE IV 4" CONT

FROM STATION	TO STATION	LT/RT	FOOT
STAGE 2			
197+43.40	221+43.24	RT/LT	2,400.30
201+68.55	217+63.89	RT	1,594.93
202+79.43	217+03.94	LT	1,424.79
202+79.43	217+03.94	LT	1,424.74
205+20.54	211+54.78	RT/LT	634.30
205+20.54	211+54.78	RT	634.30
289+28.09	310+61.75	RT	2,134.02
289+52.62	315+70.31	RT/LT	2,618.14
291+44.93	305+23.57	RT	1,377.45
294+02.17	304+28.43	LT	1,026.41
299+27.00	302+35.24	RT	308.29
299+27.00	302+35.24	LT	308.29
STAGE 3			
198+50.28	222+49.33	RT/LT	2,399.51
198+67.71	220+16.00	RT	2,148.73
201+68.55	217+63.89	RT	1,594.38
201+74.05	217+52.41	LT	1,578.71
208+26.49	211+65.46	RT	338.98
208+26.49	211+65.46	LT	338.98
283+87.64	284+82.72	RT	95.09
283+87.64	315+86.02	RT	3,198.75
285+84.60	317+69.15	LT	3,185.22
291+44.93	305+22.61	RT	1,377.14
299+33.11	317+69.15	LT	1,836.34
313+61.85	322+69.58	LT	907.92
STAGE 4			
198+50.28	222+49.33	RT/LT	2,398.67
198+71.78	220+64.89	RT	2,193.54
201+68.55	217+63.89	RT	1,594.93
201+74.50	217+56.49	RT	1,581.96
208+26.78	214+54.58	RT	627.86
208+26.78	214+54.58	LT	627.86
STAGE 5			
198+06.04	221+00.28	RT	2,295.26
198+81.03	221+75.29	LT	2,297.69
ROUNDED TOTAL			86,194

CHAIN LINK FENCE, 6'

FROM STATION	TO STATION	LT/RT	FOOT
298+61.18	301+10.83	LT/RT	398.11
300+63.02	303+08.01	LT/RT	405.43
ROUNDED TOTAL			804

PAVEMENT MARKING TAPE, TYPE IV 5"

FROM STATION	TO STATION	LT/RT	FOOT
PRESTAGE A			
292+29.20	304+43.17	LT	606.87
PRESTAGE B			
198+06.04	221+00.28	RT	1,146.97
198+81.03	221+75.29	LT	1,147.80
283+87.64	315+86.02	RT	1,599.07
284+80.75	316+21.68	LT	1,570.41
314+92.81	319+62.15	LT	234.83
STAGE 1			
197+43.40	221+43.24	RT	600.13
202+79.43	217+03.94	LT	712.39
283+19.88	317+27.19	RT	852.04
289+30.89	322+06.48	LT	1,638.01
STAGE 2			
197+43.40	221+43.24	RT	600.04
202+79.43	217+03.94	LT	712.39
289+28.09	310+61.75	RT	1,066.99
289+52.62	315+70.31	LT	654.53
STAGE 3			
198+50.28	222+49.33	LT	605.64
198+67.71	220+16.00	RT	1,074.35
283+87.64	315+86.02	RT	1,598.99
285+84.60	317+69.15	LT	1,592.42
311+37.30	322+69.58	LT	282.78
STAGE 4			
198+50.28	222+49.33	LT	599.56
198+71.78	220+64.89	RT	1,096.75
STAGE 5			
198+06.04	221+00.28	RT	1,146.94
198+81.03	221+75.29	LT	1,147.80
ROUNDED TOTAL			22,288

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-9, 12

FROM STATION	TO STATION	LT/RT	FOOT
1459+45.94	1460+17.00	RT/LT	144.15
1461+24.75	1461+77.61	RT/LT	107.71
ROUNDED TOTAL			252

COMBINATION CURB AND GUTTER REMOVAL

FROM STATION	TO STATION	LT/RT	FOOT
1459+45.94	1460+17.00	RT/LT	144.15
1461+24.75	1461+77.61	RT/LT	107.71
ROUNDED TOTAL			252

PAVEMENT MARKING TAPE, TYPE IV 8"

FROM STATION	TO STATION	LT/RT	FOOT
PRESTAGE A			
292+29.20	294+03.58	LT	174.49
292+29.20	304+43.17	LT	1,213.87
295+32.52	301+61.59	LT	157.30
301+61.59	304+43.17	LT	563.28
PRESTAGE B			
1454+64.96	1455+00.50	RT	141.68
1455+13.31	1455+50.61	RT	39.86
284+80.75	299+27.24	LT	2,893.61
284+82.72	287+83.45	RT	75.19
287+83.45	291+44.95	RT	723.50
295+47.01	301+60.18	LT	153.30
305+22.61	313+14.17	RT	1,583.29
313+14.17	315+86.02	RT	67.80
STAGE 1			
197+43.40	208+45.11	RT/LT	2,204.01
197+43.40	200+69.18	RT	652.34
211+54.78	221+43.24	RT	1,977.38
217+63.89	220+20.40	RT	514.02
220+20.40	221+43.24	RT	30.71
283+19.88	299+14.52	RT	3,180.66
283+69.36	286+69.29	RT	75.00
286+69.29	291+44.93	RT	952.17
289+30.89	299+33.80	LT	2,006.25
302+22.80	317+27.19	RT	3,009.48
305+23.57	315+64.39	RT	2,083.05
308+68.20	316+61.78	LT	1,020.20
312+40.86	317+52.15	LT	1,022.79
315+64.39	317+27.19	RT	40.70
STAGE 2			
197+43.40	205+20.54	RT	1,554.58
197+43.40	201+68.55	RT	850.08
211+54.78	221+43.24	RT	1,977.65
217+63.89	219+45.36	RT	364.59
219+45.36	221+43.24	RT	49.47
289+28.09	291+45.34	RT	434.43
289+52.62	294+02.17	LT	899.88
289+52.62	299+27.00	LT	1,949.11
302+35.24	315+70.31	LT/RT	2,670.54
304+28.43	315+70.31	LT	1,499.66
305+23.57	310+61.75	RT	1,078.44
307+29.20	315+70.31	LT	1,683.48

PAVEMENT MARKING TAPE, TYPE IV 8" CONT.

FROM STATION	TO STATION	LT/RT	FOOT
STAGE 3			
198+50.28	208+26.49	LT	1,952.91
198+50.28	199+64.85	LT	28.64
198+67.71	201+68.55	RT	601.36
199+64.85	201+74.05	LT	415.52
211+65.46	222+49.33	LT	2,168.17
217+52.41	222+49.33	LT	989.86
217+63.89	219+45.36	RT	365.13
219+45.36	220+16.00	RT	17.66
284+82.72	287+83.45	RT	75.19
285+84.60	299+33.11	LT	2,698.60
287+83.45	291+44.93	RT	723.89
305+22.61	313+14.17	RT	1,583.35
311+37.30	313+61.85	LT	226.34
313+14.17	315+86.02	RT	67.80
322+69.58	325+69.52	LT	300.00
STAGE 4			
198+50.28	199+64.85	LT	28.50
198+50.28	208+26.78	LT	1,952.27
198+71.78	201+68.55	RT	593.22
199+64.85	201+74.05	LT	418.84
214+54.58	222+49.33	LT	1,589.26
217+56.49	222+49.33	LT	985.31
217+63.89	219+08.32	RT	290.76
219+08.32	220+64.89	RT	39.15
ROUNDED TOTAL			59,680

PAVEMENT MARKING TAPE, TYPE IV 24"

FROM STATION	TO STATION	LT/RT	FOOT
PRESTAGE A			
1459+20.98		LT	10.83
1459+40.96		LT	21.00
1461+78.08		RT	10.97
1462+90.03	1463+03.41	LT	38.58
PRESTAGE B			
1458+07.25		RT	51.78
1459+35.97		LT	10.50
1459+45.95		LT	21.33
1461+77.38		RT	21.01
1464+96.83		RT	21.01
1462+90.03	1463+08.40	LT	52.99
ROUNDED TOTAL			261

PAVEMENT MARKING TAPE, TYPE IV 12"

FROM STATION	TO STATION	LT/RT	FOOT
PRESTAGE A			
292+29.20	294+03.58	LT	129.79
301+61.59	304+43.17	LT	18.73
PRESTAGE B			
1451+19.83	1454+85.31	RT	296.98
1454+64.96	1455+00.50	RT	48.12
284+80.75	299+27.24	LT	892.79
287+83.45	291+44.95	RT	172.45
305+22.61	313+14.17	RT	311.32
STAGE 1			
197+43.40	208+45.11	RT/LT	219.05
197+43.40	200+69.18	RT	145.71
211+54.78	221+43.24	RT	186.46
217+63.89	220+20.40	RT	109.72
283+19.88	299+14.52	RT	161.30
286+69.29	291+44.93	RT	410.42
289+30.89	299+33.80	LT	505.67
302+22.80	317+27.19	RT	313.20
305+23.57	315+64.39	RT	942.71
311+37.30	313+61.85	LT	76.86
312+40.86	317+52.15	LT	237.11
STAGE 2			
197+43.40	205+20.54	RT	545.87
197+43.40	201+68.55	RT	187.50
211+54.78	221+43.24	RT	860.10
217+63.89	219+45.36	RT	50.71
289+28.09	291+44.93	RT	137.40
289+52.62	294+02.17	LT	322.01
289+52.62	299+27.00	LT	194.68
302+35.24	315+70.31	LT/RT	177.71
305+23.57	310+61.75	RT	207.36
307+29.20	315+70.31	LT	484.41
311+37.30	314+91.86	LT	150.36
STAGE 3			
198+50.28	208+26.49	LT	185.50
198+67.71	201+68.55	RT	178.29
199+64.85	201+74.05	LT	78.32
211+65.46	222+49.33	LT	210.53
217+63.89	219+45.36	RT	60.06
219+18.17	222+49.33	LT	247.33
285+84.60	299+33.11	LT	219.55
287+83.45	291+44.93	RT	170.59
305+22.61	313+14.17	RT	233.69

PAVEMENT MARKING TAPE, TYPE IV 12" CONT.

FROM STATION	TO STATION	LT/RT	FOOT
STAGE 4			
198+50.28	208+26.78	LT	827.80
198+71.78	201+68.55	RT	178.29
199+64.85	201+74.05	LT	43.55
214+54.58	222+49.33	LT	525.71
217+56.49	222+49.33	LT	358.00
217+63.89	219+08.32	RT	42.45
ROUNDED TOTAL			12,057

PAVEMENT MARKING TAPE, TYPE IV 6"

FROM STATION	TO STATION	LT/RT	FOOT
PRESTAGE A			
1458+91.89	1459+40.97	LT/RT	37.63
1459+20.98	1461+76.71	LT	255.75
1459+40.97	1461+76.71	LT	235.76
1462+94.81	1469+72.02	LT	676.70
1462+99.30	1465+07.90	LT	209.91
1465+07.90	1466+93.06	LT	46.21
1471+33.52	1473+30.79	LT	395.81
1471+34.30	1477+30.44	LT	149.21
PRESTAGE B			
1454+23.50	1456+17.56	RT	48.59
1455+38.92	1458+07.01	RT	538.20
1458+07.13	1459+48.54	RT	35.34
1458+07.19	1459+48.54	RT	35.36
1458+91.89	1459+45.95	RT/LT	34.76
1459+35.96	1461+77.63	LT	241.66
1459+45.95	1461+77.62	LT	231.66
1459+48.53	1461+77.31	RT	228.79
1459+48.53	1461+97.01	RT	248.48
1461+77.63	1462+99.30	LT	30.42
1461+77.63	1463+03.78	LT	31.54
1461+96.77	1463+29.51	RT	33.24
1462+90.03	1495+09.81	LT	219.80
1462+95.18	1465+09.26	LT	214.48
1462+99.35	1465+07.90	LT	209.91
1493+03.83	1465+08.78	LT	205.06
1465+07.90	1469+72.12	LT	115.95
1466+92.78	1467+77.33	LT	84.51
1467+77.33	1469+52.01	LT	43.65
ROUNDED TOTAL			4,801

RELOCATE TEMPORARY CONCRETE BARRIER

FROM STATION	TO STATION	LT/RT	FOOT
STAGE 1			
200+16.02	219+65.32	LT	1,950.00
205+93.70	211+55.70	RT	562.50
286+23.14	314+26.72	LT	2,800.00
295+05.70	302+29.82	RT	725.00
STAGE 2			
200+16.02	219+65.32	LT	1,950.00
205+45.80	208+70.11	RT	325.00
205+45.80	211+57.61	RT	612.50
286+23.12	314+26.72	RT	2,800.00
296+94.26	302+31.52	RT	537.50
299+18.91	308+54.74	LT	937.50
299+24.79	300+97.77	LT	175.00
STAGE 3			
200+16.02	219+65.32	RT	1,950.00
208+27.65	216+27.53	LT	800.00
216+15.45	220+51.93	LT	437.50
217+52.41	220+51.93	LT	300.00
285+82.74	293+32.66	RT	750.00
286+19.86	290+82.09	LT	462.50
296+08.25	302+32.63	RT	625.00
299+25.34	306+99.38	LT	775.00
306+29.54	314+29.34	RT	800.00
311+34.42	318+56.60	LT	725.00
313+34.84	314+84.67	LT	150.00
316+27.24	318+02.15	LT	175.00
STAGE 4			
200+16.02	219+65.32	RT	1,950.00
208+26.78	214+29.28	LT	612.50
211+11.15	214+29.28	LT	325.00
STAGE 5			
199+65.94	219+65.06	RT	2,000.00
200+15.43	220+15.32	LT	2,000.00
ROUNDED TOTAL			28,212.5

PIPE DRAIN REMOVAL

FROM STATION	TO STATION	LT/RT	FOOT
298+59.81	298+64.73	RT	22.16
300+59.18	300+59.43	LT	11.65
300+95.87	300+96.91	RT	13.44
ROUNDED TOTAL			48

IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3

FROM STATION	LT/RT	EACH
PRESTAGE A		
1459+68.27	RT	1
1461+89.32	LT	1
299+84.37	LT	1
300+42.43	LT	1
PRESTAGE B		
199+66.02	RT	1
220+15.47	LT	1
285+82.74	RT	1
314+66.68	LT	1
STAGE 3		
211+65.46	LT/RT	1
216+27.51	LT	1
220+51.93	LT	1
TOTAL		11

TERMINAL MARKER - DIRECT APPLIED

FROM STATION	LT/RT	EACH
201+79.12	RT	1
294+96.17	RT	1
306+10.44	LT	1
TOTAL		3

GUARDRAIL REFLECTORS, TYPE A

FROM STATION	TO STATION	LT/RT	EACH
201+79.12	208+18.43	RT	8
204+45.72	208+98.03	LT	6
210+82.31	213+22.15	RT	4
294+96.17	298+60.61	RT	5
303+08.58	306+10.44	LT	4
TOTAL			27

PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER

FROM STATION	LT/RT	EACH
214+91.00	LT	1
TOTAL		1

TRENCH BACKFILL

FROM STATION	TO STATION	LT/RT	AREA (CU YD)
213+24.00	214+91.00	LT	138.00
214+91.00	216+77.00	LT	217.00
ROUNDED TOTAL			355

IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3

FROM STATION	LT/RT	EACH
PRESTAGE B		
318+02.18	LT	1
318+02.23	LT	1
1459+57.66	RT	1
1461+76.99	LT	1
STAGE 1		
205+93.70	RT	1
208+45.11	RT/LT	1
295+05.78	RT	1
299+14.52	RT/LT	1
STAGE 2		
205+45.84	RT	1
296+94.26	RT	1
302+10.24	RT/LT	1
308+54.93	LT	1
STAGE 3		
285+82.74	RT	1
290+82.17	LT	1
296+08.17	RT	1
306+29.54	RT	1
306+99.31	LT	1
314+84.67	LT	1
318+02.23	LT	1
318+56.60	LT	1
STAGE 4		
214+29.28	LT	1
STAGE 5		
199+66.02	RT	1
220+15.47	LT	1
TOTAL		23

PROPOSED MANHOLE/CATCH BASIN CONNECTION OVER EXISTING STORM SEWER

FROM STATION	LT/RT	EACH
208+05.66	RT	1
209+05.51	LT	1
210+76.00	RT	1
211+90.75	LT	1
301+35.43	LT	1
TOTAL		5



USER NAME = 14nho  
 PLOT SCALE = 2,000' / in.  
 PLOT DATE = 5/25/2021

DESIGNED - NH  
 DRAWN - NH  
 CHECKED - ST  
 DATE - 4/2021

REVISED - 04/21/2021 RC  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 55 (I-55)  
 SCHEDULE OF QUANTITIES

SCALE: N.T.S. SHEET 5 OF 10 SHEETS STA. TO STA.

REVISED SHEET 5/27/2021

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2018-043-BD&BJR	WILL	430	27
				CONTRACT NO. 62H03
ILLINOIS FED. AID PROJECT				

**MAINTENANCE OR TRAFFIC GENERAL NOTES**

1. THE MAINTENANCE OF TRAFFIC PLANS SHALL SERVE AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING THE EXECUTION OF THIS CONTRACT. THE CONTRACTOR MAY MODIFY THE MAINTENANCE OF TRAFFIC PLANS TO MEET CONSTRUCTION NEEDS BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
2. EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH TEMPORARY MARKINGS SHALL BE REMOVED. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR PAVEMENT MARKING REMOVAL - WATER BLASTING.
3. EXISTING RAISED REFLECTIVE PAVEMENT MARKER REFLECTORS THAT CONFLICT WITH THE REVISED TRAFFIC PATTERNS, SHALL BE REMOVED FROM THE EXISTING CASTINGS LOCATED IN THE PAVEMENT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL.
4. THE REMOVAL OF ALL PAVEMENT MARKING TAPE WILL BE PAID FOR AT THE CONTRACT UNIT PRICE SQUARE FOOT FOR SHORT TERM PAVEMENT MARKING REMOVAL.
5. PAVEMENT MARKING TAPE, TYPE IV SHALL BE USED FOR ANY SHORT TERM PAVEMENT MARKINGS ON FINAL SURFACES.
6. ALL TRAFFIC CONTROL DEVICES SHALL BE REFLECTORIZED PRIOR TO INSTALLATION AND CLEANED AS SPECIFIED IN THE TRAFFIC CONTROL SPECIAL PROVISIONS OR AS DIRECTED BY THE ENGINEER.
7. FOR STABILIZATION, ANY REQUIRED TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
8. EXISTING SIGNS WITHIN THE LIMITS OF TRAFFIC CONTROL WHICH ARE OBSTRUCTED BY OR OTHERWISE INTERFERED WITH BY CONSTRUCTION OPERATIONS OF DESIGNATED TRAFFIC CONTROL, SHALL BE COVERED OR REMOVED BY THE CONTRACTOR UNLESS SPECIFIED IN THE PLANS OR WHEN DIRECTED BY THE ENGINEER. THIS WORK SHALL BE AS SPECIFIED IN ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
9. CHANGEABLE MESSAGE BOARDS WILL BE PLACED 2 WEEKS PRIOR TO START OF WORK, AT LOCATIONS DETERMINED BY THE ENGINEER, FOR ADVANCED WARNING.
10. SEE STRUCTURAL PLANS FOR BRIDGE DECK RECONSTRUCTION INFORMATION.
11. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 AND ARTERIAL TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING ANY WORK.
12. THE ENGINEER SHALL CONTACT REGINA COOPER, AREA EXPRESSWAY TRAFFIC ENGINEER, VIA EMAIL AT REGINA.COOPER2@ILLINOIS.GOV A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
13. ALL STAGE CHANGES REQUIRING THE STOPPING AND/OR THE PACING OF TRAFFIC SHALL TAKE PLACE DURING THE ALLOWABLE HOURS FOR FULL EXPRESSWAY CLOSURES AND SHALL BE APPROVED BY THE DEPARTMENT. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT LEAST 3 WORKING DAYS (WEEKENDS AND HOLIDAYS DO NOT COUNT INTO THIS 72 HOURS NOTIFICATION) IN ADVANCE OF ANY PROPOSED STAGE CHANGE.
14. A MAINTENANCE OF TRAFFIC PLAN SHALL BE SUBMITTED TO THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR 14 DAYS IN ADVANCE OF ANY STAGE CHANGES OR FULL EXPRESSWAY CLOSURES. THE MAINTENANCE OF TRAFFIC PLAN SHALL INCLUDE, BUT NOT BE LIMITED TO: LANE AND RAMP CLOSURES, EXISTING GEOMETRICS, AND EQUIPMENT AND MATERIAL LOCATION.
15. THE CONTRACTOR SHALL CONTACT RICK WILLMAN, PACE TRANSPORTATION ENGINEER, VIA EMAIL AT RICHARD.WILLMAN@PACEBUS.COM A MINIMUM OF 2 WEEKS IN ADVANCE OF BEGINNING ANY WORK.
16. CONTRACTOR SHALL ENSURE THAT ALL WORK PERTAINING TO THE RELOCATION OF THE FIBER OPTIC UTILITY LINES, AT THE LOCATIONS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER, IS COMPLETED BEFORE BEGINNING WORK ON THE REMAINING CONSTRUCTION ITEMS IN PRE-STAGE A.
17. DUE TO THE EXPECTED QUEUES IN THE SOUTHBOUND DIRECTION ALONG I-55 DURING STAGES 2 AND 4 OF CONSTRUCTION, THE CONTRACTOR SHALL UTILIZE A SMART WORK ZONE TO MONITOR TRAFFIC DURING THESE STAGES. THE CONTRACTOR SHALL PLACE AN ADDITIONAL CHANGEABLE MESSAGE BOARD IN ADVANCE OF EXPECTED QUEUE AT A LOCATION DETERMINED BY THE ENGINEER.
18. CONTRACTOR SHALL CONTACT DANA HAVRANEK VIA EMAIL AT DHAVRANE@GETIPASS.COM TO OBTAIN A PERMIT FROM THE ILLINOIS TOLLWAY FOR ALL PROPOSED CONSTRUCTION ACTIVITIES AND PLACEMENT OF ADVANCED WORK ZONE SIGNING, ON OR ADJACENT TO ILLINOIS TOLLWAY RAMP AND MAINLINE ROADWAYS, AT LOCATIONS SHOWN ON THE PLANS AND AS DETERMINED BY THE ENGINEER.

**SUGGESTED SEQUENCE OF OPERATIONS**

**PRE-STAGE A**

1. RELOCATE EXISTING FIBER OPTIC UTILITY LINES AT THE LOCATIONS SHOWN IN THE PLANS.
2. REMOVE EXISTING LIGHTING & ITS ITEMS AND INSTALL TEMPORARY LIGHTING & ITS SYSTEM AT THE LOCATIONS SHOWN IN THE PLANS.
3. BEFORE BEGINNING WORK ON S.N. 099-0260, INSTALL TEMPORARY TRAFFIC SIGNALS AT THE LOCATIONS SHOWN IN THE TRAFFIC SIGNAL PLANS.
4. CONSTRUCT AND WIDEN THE EXISTING MEDIAN PIER & THE PROPOSED IMPACT ATTENUATORS ALONG ILLINOIS ROUTE 53 AT S.N. 099-0260 AS SHOWN IN THE PRE-STAGE A STAGING PLANS, STRUCTURAL PLANS, AND ROADWAY PLANS.
5. CONSTRUCT PROPOSED PAVEMENT PATCHING REPAIRS ALONG ILLINOIS ROUTE 53 WITHIN THE LIMITS OF THE INSIDE LEFT TURN LANE AT LOCATIONS DETERMINED BY THE ENGINEER. PATCHING QUANTITIES INCLUDED IN THIS CONTRACT HAVE BEEN PREPARED FROM NOTES RECEIVED FROM IDOT ENGINEERS.
6. CONSTRUCT AND WIDEN THE EXISTING PIER ALONG THE RT SIDE OF JOLIET ROAD UNDERNEATH S.N. 099-0028.
7. RESURFACE EXISTING RUMBLE STRIPS ALONG NB AND SB OUTSIDE AND INSIDE SHOULDERS OF I-55.
8. INSTALL TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS TO SHIFT SB I-55 AND SB I-355 ENTRANCE RAMP TRAFFIC AS SHOWN IN THE PRE-STAGE A STAGING PLANS.
9. CONSTRUCT SHOULDER WIDENING ALONG SB I-55 AS SHOWN IN THE PRE-STAGE A STAGING PLANS.

**PRE-STAGE B**

1. CONSTRUCT AND WIDEN THE EXISTING ABUTMENT WALLS AT S.N. 099-0260 AS SHOWN IN THE PRE-STAGE B STAGING PLANS AND STRUCTURAL PLANS.
2. CONSTRUCT PROPOSED PAVEMENT PATCHING REPAIRS ALONG ILLINOIS ROUTE 53 WITHIN THE LIMITS OF THE OUTSIDE THROUGH LANE AT LOCATIONS DETERMINED BY THE ENGINEER. PATCHING QUANTITIES INCLUDED IN THIS CONTRACT HAVE BEEN PREPARED FROM NOTES RECEIVED FROM IDOT ENGINEERS.
3. CONSTRUCT AND WIDEN THE EXISTING PIER ALONG THE LT SIDE OF JOLIET ROAD UNDERNEATH S.N. 099-0028.
4. INSTALL TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS TO SHIFT NB & SB I-55 TRAFFIC AS SHOWN IN THE PRE-STAGE B STAGING PLANS.
5. REMOVE EXISTING MEDIAN CONCRETE BARRIER AND CONSTRUCT TEMPORARY PAVEMENT ALONG I-55 AS SHOWN IN THE PRE-STAGE B STAGING PLANS.

**STAGE 1**

1. INSTALL TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS AS SHOWN IN THE STAGE 1 STAGING PLANS.
2. UTILIZING WEEKEND LANE CLOSURES, DURING THE ALLOWABLE RAMP AND NIGHTLY LANE CLOSURE HOURS LISTED IN THE SPECIAL PROVISIONS, CONSTRUCT PROPOSED PAVEMENT PATCHING REPAIRS ALONG ILLINOIS ROUTE 53 AT LOCATIONS DETERMINED BY THE ENGINEER WITHIN THE LIMITS OF LANES 2-4 IN THE NB DIRECTION AND LANES 2 & 3 IN THE SB DIRECTION AS WELL AS ALONG THE ENTRANCE RAMP FROM ILLINOIS ROUTE 53 TO NB I-55 . PATCHING QUANTITIES INCLUDED IN THIS CONTRACT HAVE BEEN PREPARED FROM NOTES RECEIVED FROM IDOT ENGINEERS.
3. AT S.N. 099-0260, SHIFT NB I-55 TRAFFIC ONTO THE NB INSIDE SHOULDERS WITH NB LANE 1 CROSSING OVER TO THE SB I-55 INSIDE SHOULDER. SHIFT SB TRAFFIC ONTO THE SB OUTSIDE SHOULDER AND CLOSE NB OUTSIDE SHOULDER AND LANE 3 AS SHOWN IN THE STAGE 1 STAGING PLANS.  
  
AT S.N. 099-0028, SHIFT NB I-55 TRAFFIC ONTO THE NB INSIDE SHOULDERS WITH NB LANES 1 & 2 CROSSING OVER TO THE SB I-55 INSIDE SHOULDER. SHIFT SB TRAFFIC ONTO THE SB OUTSIDE SHOULDER AND CLOSE NB OUTSIDE SHOULDER AND LANES 2 & 3 AS SHOWN IN THE STAGE 1 STAGING PLANS.
4. PERFORM BRIDGE RECONSTRUCTION AND OUTSIDE SHOULDER WIDENING ALONG NB I-55 AS SHOWN IN THE STAGE 1 STAGING, ROADWAY, AND STRUCTURAL PLANS.
5. REMOVE EXISTING DRAINAGE STRUCTURES AND INSTALL PROPOSED DRAINAGE STRUCTURES AS SHOWN ON THE ROADWAY PLANS.
6. REMOVE EXISTING GUARDRAIL AND CONCRETE BARRIER WALL AND INSTALL PROPOSED GUARDRAIL AND BARRIER WALL AS SHOWN ON THE ROADWAY PLANS.

**STAGE 2**

1. INSTALL TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS AS SHOWN IN THE STAGE 2 STAGING PLANS.
2. AT S.N. 099-0260, SHIFT NB I-55 TRAFFIC IN LANE 2 AND 3 ONTO THE NB OUTSIDE SHOULDER WITH NB LANE 1 CROSSING OVER TO THE SB I-55 INSIDE SHOULDER. SHIFT SB TRAFFIC ONTO THE SB OUTSIDE SHOULDER AND CLOSE NB INSIDE SHOULDER AND LANES 1 AND 2 AS SHOWN IN THE STAGE 1 STAGING PLANS.  
  
AT S.N. 099-0028, SHIFT NB I-55 TRAFFIC ONTO THE NB OUTSIDE SHOULDERS. SHIFT SB TRAFFIC ONTO THE SB INSIDE SHOULDER WITH SB LANES 1 CROSSING OVER TO THE NB I-55 INSIDE SHOULDER AND CLOSE SB OUTSIDE SHOULDER AND LANE 3 AS SHOWN IN THE STAGE 2 STAGING PLANS.
3. PERFORM BRIDGE RECONSTRUCTION AND OUTSIDE SHOULDER WIDENING ALONG I-55 AS SHOWN IN THE STAGE 2 STAGING, ROADWAY, AND STRUCTURAL PLANS.
4. REMOVE EXISTING DRAINAGE STRUCTURES AND INSTALL PROPOSED DRAINAGE STRUCTURES AS SHOWN ON THE ROADWAY PLANS.
5. REMOVE EXISTING GUARDRAIL AND INSTALL PROPOSED GUARDRAIL AS SHOWN ON THE ROADWAY PLANS.

**STAGE 3**

1. INSTALL TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS AS SHOWN IN THE STAGE 3 STAGING PLANS.
2. AT S.N. 099-0260, SHIFT NB I-55 TRAFFIC ONTO THE NB OUTSIDE SHOULDER. SHIFT SB TRAFFIC ONTO THE SB INSIDE SHOULDER WITH LANE 1 CROSSING OVER TO THE NB I-55 INSIDE SHOULDER AND CLOSE SB OUTSIDE SHOULDER AND LANE 3 AS SHOWN IN THE STAGE 3 STAGING PLANS.  
  
AT S.N. 099-0028, SHIFT NB AND SB TRAFFIC ONTO THE OUTSIDE SHOULDER AND CLOSE NB AND SB INSIDE SHOULDERS AND LANE 3 AS SHOWN IN THE STAGE 3 STAGING PLANS.
3. AT S.N. 099-0260, PERFORM BRIDGE RECONSTRUCTION, OUTSIDE SHOULDER WIDENING, AND RETAINING WALL RECONSTRUCTION ALONG I-55 AS SHOWN IN THE STAGE 3 STAGING, ROADWAY, AND STRUCTURAL PLANS.  
  
AT S.N. 099-0028, PERFORM BRIDGE RECONSTRUCTION, INSIDE SHOULDER RECONSTRUCTION, AND CONSTRUCT MEDIAN CONCRETE BARRIER AND PROPOSED LIGHT POLES ALONG I-55 AS SHOWN IN THE STAGE 3 STAGING, ROADWAY, AND LIGHTING PLANS.
4. REMOVE EXISTING DRAINAGE STRUCTURES AND INSTALL PROPOSED DRAINAGE STRUCTURES AS SHOWN ON THE ROADWAY PLANS.
5. REMOVE EXISTING GUARDRAIL AND INSTALL PROPOSED GUARDRAIL AS SHOWN ON THE ROADWAY PLANS.

**STAGE 4**

1. INSTALL TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS AS SHOWN IN THE STAGE 4 STAGING PLANS.
2. AT S.N. 099-0260, SHIFT NB I-55 TRAFFIC ONTO THE NB OUTSIDE SHOULDER. SHIFT SB TRAFFIC IN LANES 2 & 3 ONTO THE SB OUTSIDE SHOULDER WITH SB LANE 1 CROSSING OVER TO THE NB I-55 INSIDE SHOULDER AND CLOSE SB INSIDE SHOULDER AND LANES 2 & 3 AS SHOWN IN THE STAGE 4 STAGING PLANS.  
  
AT S.N. 099-0028, PLACE PERMANENT PAVEMENT MARKINGS ALONG I-55 AND JOLIET RD AND RESTORE SHOULDER RUMBLE STRIPS ALONG I-55.
3. AT S.N. 099-0028, CONSTRUCT PROPOSED LIGHTING AND ITS ITEMS AT THE LOCATIONS SHOWN IN THE PLANS.
4. PERFORM BRIDGE RECONSTRUCTION AND OUTSIDE SHOULDER WIDENING AT S.N. 099-0260 ALONG I-55 AS SHOWN IN THE STAGE 4 STAGING, ROADWAY, AND STRUCTURAL PLANS.

**STAGE 5**


1. INSTALL TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS TO SHIFT NB & SB I-55 TRAFFIC AS SHOWN IN THE STAGE 5 STAGING PLANS.
2. AT S.N. 099-0260, CONSTRUCT PROPOSED MEDIAN CONCRETE BARRIER ALONG I-55 AS SHOWN IN THE STAGE 5 STAGING AND ROADWAY PLANS.
3. DURING THE ALLOWABLE RAMP AND NIGHTLY LANE CLOSURE HOURS LISTED IN THE SPECIAL PROVISIONS, PERFORM CLEANING AND PAINTING OF ALL BEAMS OF S.N. 099-0260 AS SHOWN IN THE STRUCTURAL PLANS.

**STAGE 6**

1. AT S.N. 099-0260, PLACE PERMANENT PAVEMENT MARKINGS ALONG I-55 AND ILLINOIS ROUTE 53 AND RESTORE SHOULDER RUMBLE STRIPS AT THE LOCATIONS SHOWN IN THE PLANS.
2. AT S.N. 099-0260, CONSTRUCT PROPOSED LIGHTING AND ITS ITEMS AT THE LOCATIONS SHOWN IN THE PLANS.
3. AT S.N. 099-0260, PERFORM TRAFFIC SIGNAL MODERNIZATION AT THE LOCATIONS SHOWN IN THE PLANS.

REVISION SYMBOL:  REVISED SHEET 5/27/2021



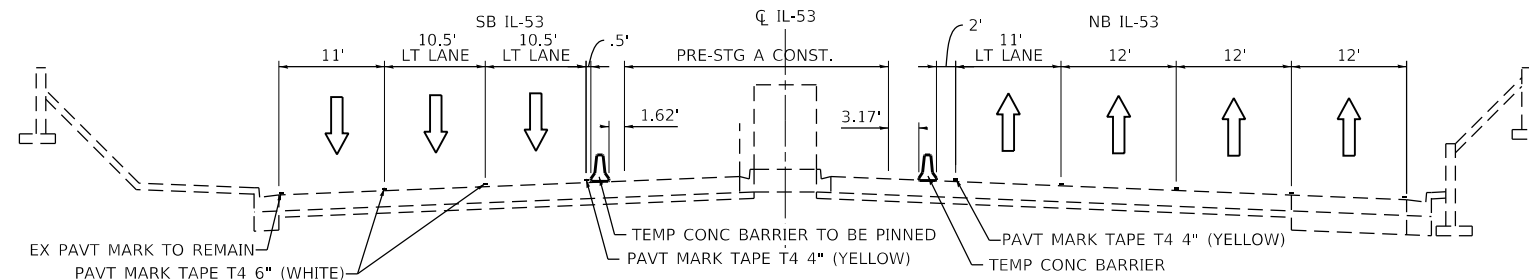
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PLOT DATE = 5/21/2021	DATE - 4/2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 55 (I-55)  
STAGING GENERAL NOTES & SEQUENCING

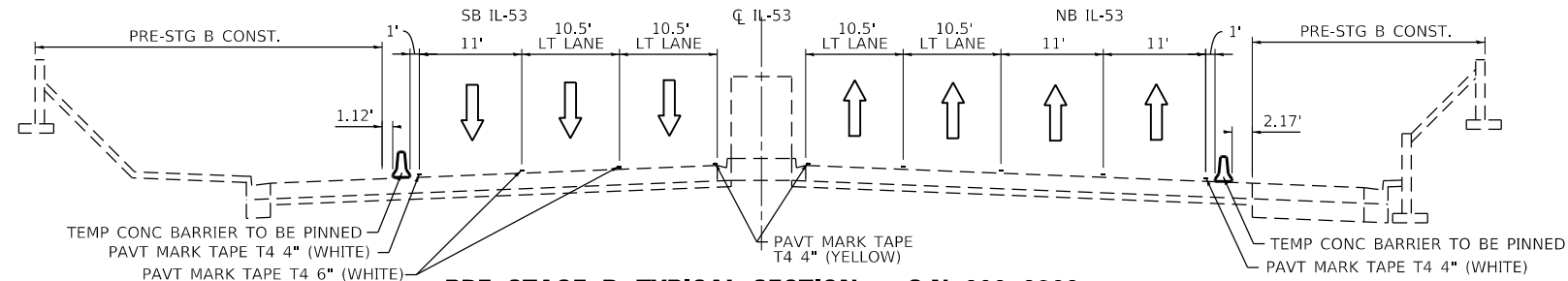
SCALE: SHEET 1 OF 43 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2018-043-BD&BJR	WILL	430	39
CONTRACT NO. 62H03			ILLINOIS FED. AID PROJECT	



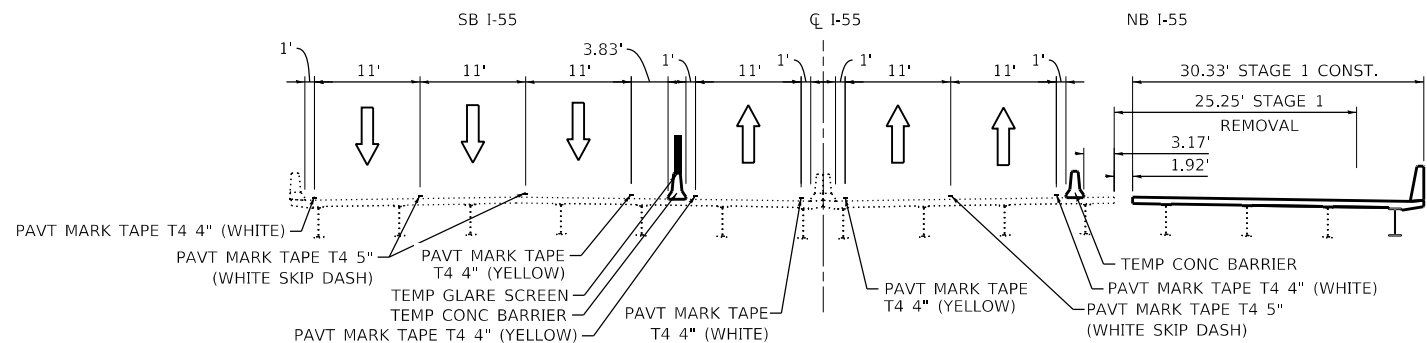
**PRE-STAGE A TYPICAL SECTION – S.N. 099-0260**

IL-53 UNDER FAI-55  
LOOKING NORTH



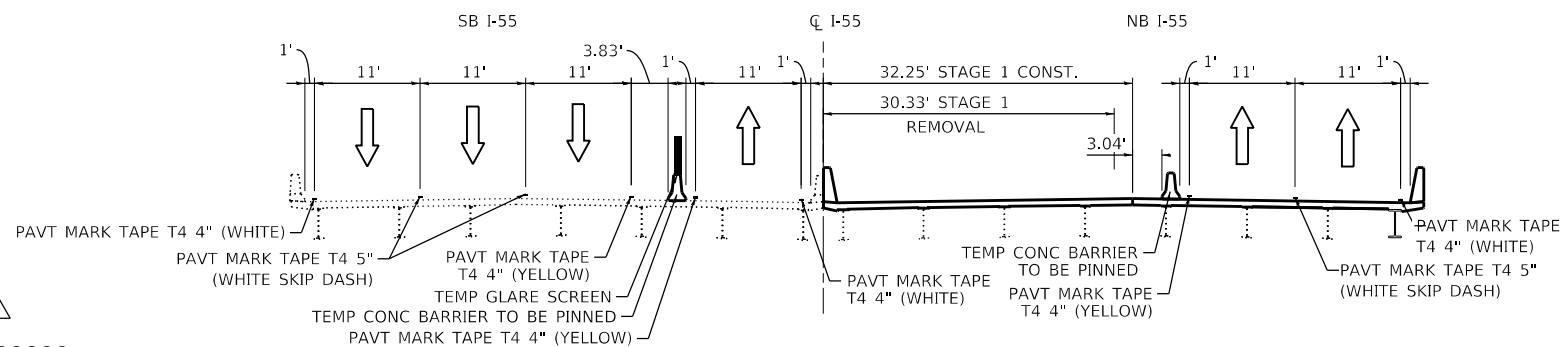
**PRE-STAGE B TYPICAL SECTION – S.N. 099-0260**

IL-53 UNDER FAI-55  
LOOKING NORTH



**STAGE 1 TYPICAL SECTION – S.N. 099-0260**

FAI-55 OVER IL-53  
LOOKING NORTHEAST



**STAGE 2 TYPICAL SECTION – S.N. 099-0260**

FAI-55 OVER IL-53  
LOOKING NORTHEAST

**NOTE:**  
WHERE TRAFFIC LANE IS 1' OR LESS FROM EXISTING BARRIER OR PARAPET WALL,  
THE CONTRACTOR SHALL PLACE PRISMATIC WALL REFLECTORS AT 25' C-C, YELLOW  
REFLECTORS ON THE LEFT SIDE AND WHITE REFLECTORS ON THE RIGHT SIDE.

REVISION SYMBOL: REVISED SHEET 5/27/2021



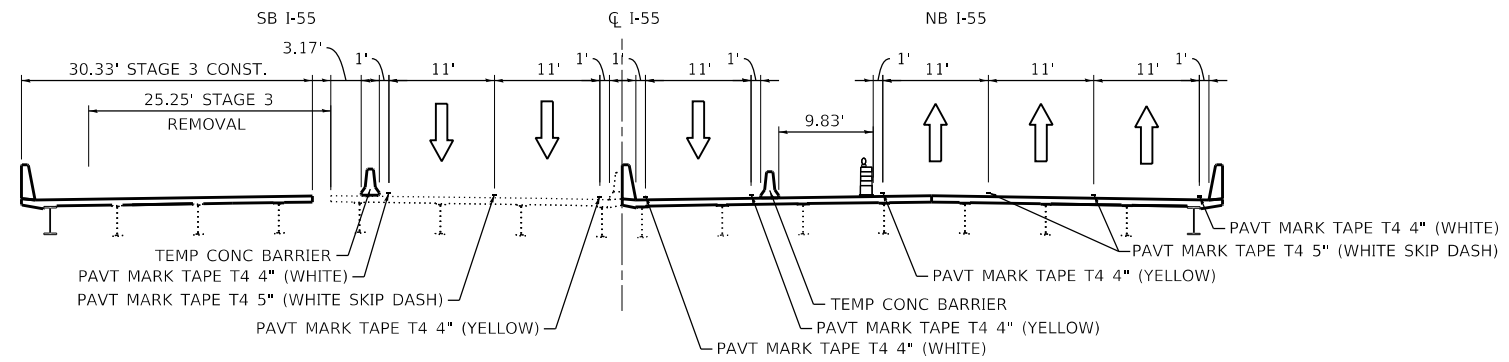
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PLOT DATE = 5/21/2021	CHECKED - ST	REVISED -
	DATE - 4/2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 55 (I-55)  
S.N. 099-0260 STAGING TYPICAL SECTIONS

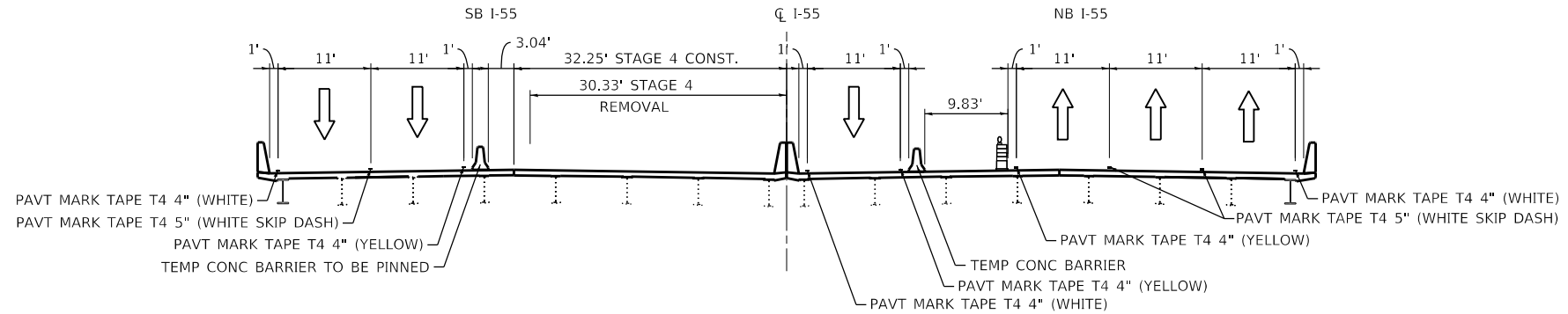
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 62H03	
ILLINOIS FED. AID PROJECT				

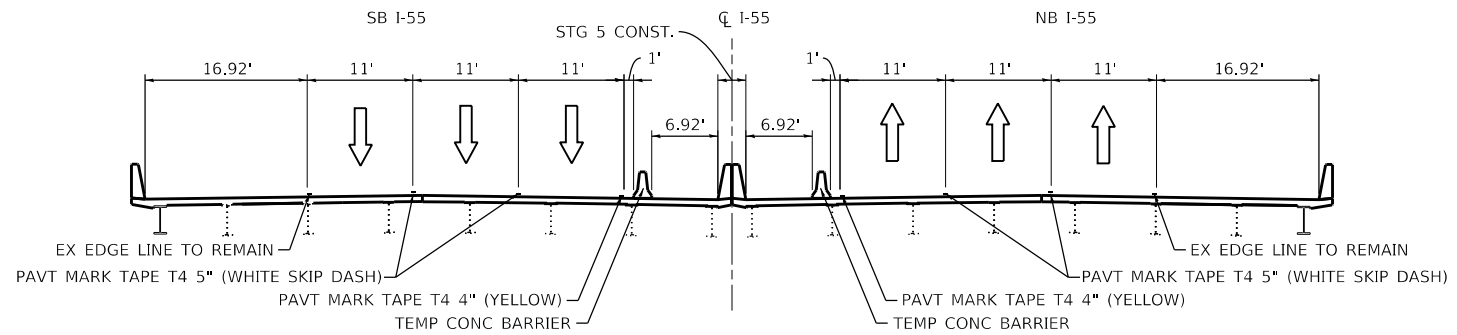


**STAGE 3 TYPICAL SECTION - S.N. 099-0260**

FAI-55 OVER IL-53  
LOOKING NORTHEAST



**STAGE 4 TYPICAL SECTION - S.N. 099-0260**



**STAGE 5 TYPICAL SECTION - S.N. 099-0260**

FAI-55 OVER IL-53  
LOOKING NORTHEAST

**NOTE:**  
WHERE TRAFFIC LANE IS 1' OR LESS FROM EXISTING BARRIER OR PARAPET WALL,  
THE CONTRACTOR SHALL PLACE PRISMATIC WALL REFLECTORS AT 25' C-C, YELLOW  
REFLECTORS ON THE LEFT SIDE AND WHITE REFLECTORS ON THE RIGHT SIDE.

REVISION SYMBOL: REVISED SHEET 5/27/2021



USER NAME = rober	DESIGNED - RC	REVISED -  04/21/2021 RC
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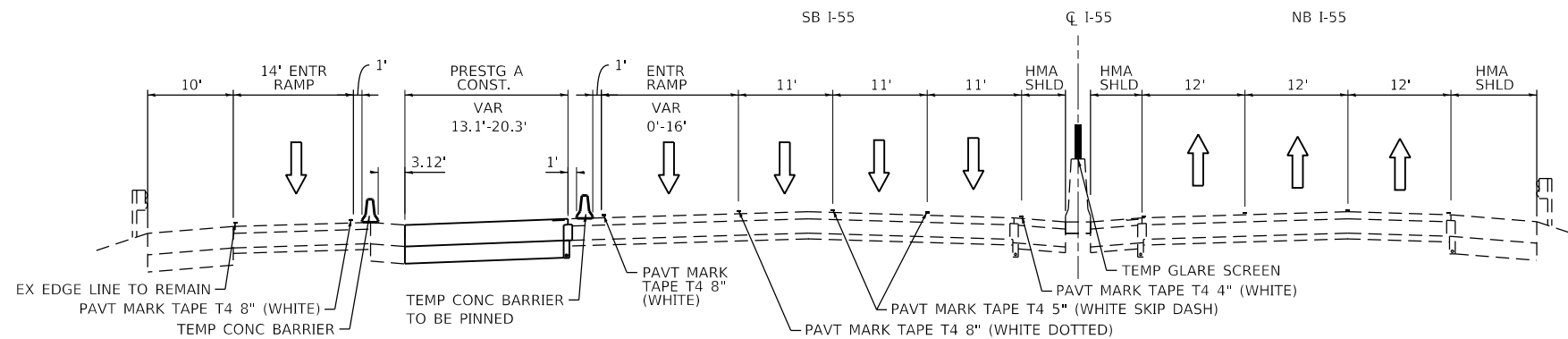
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 55 (I-55)  
S.N. 099-0260 STAGING TYPICAL SECTIONS

SCALE: N.T.S. SHEET 3 OF 43 SHEETS STA. TO STA.

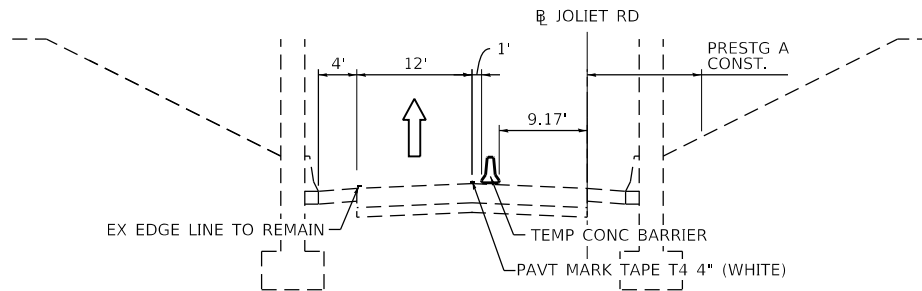
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 62H03	
ILLINOIS FED. AID PROJECT				





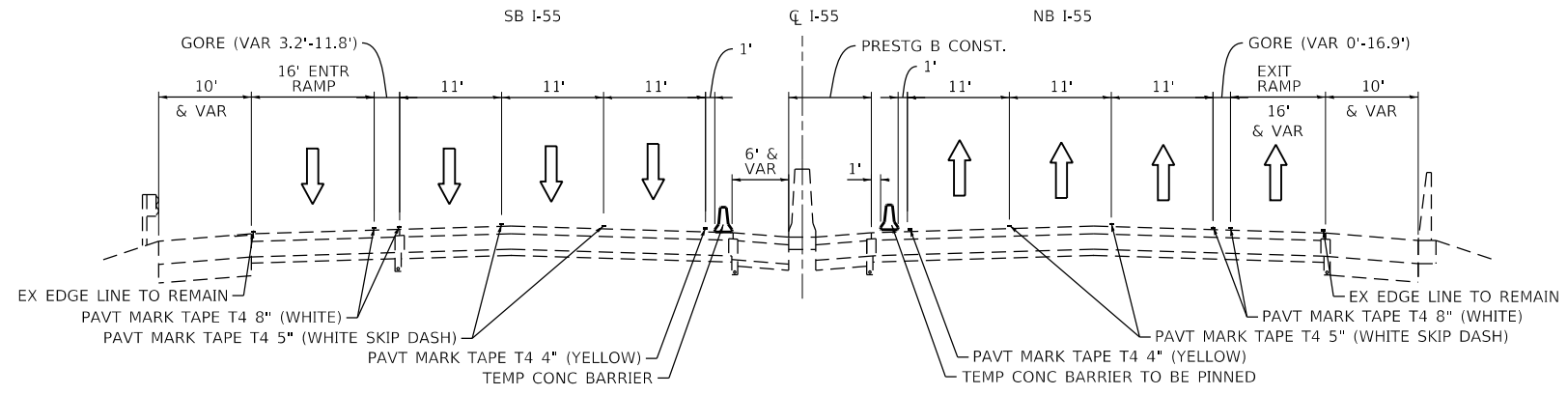
**PRE-STAGE A TYPICAL SECTION - S.N. 099-0028**

FAI-55 OVER JOLIET RD  
LOOKING NORTHEAST



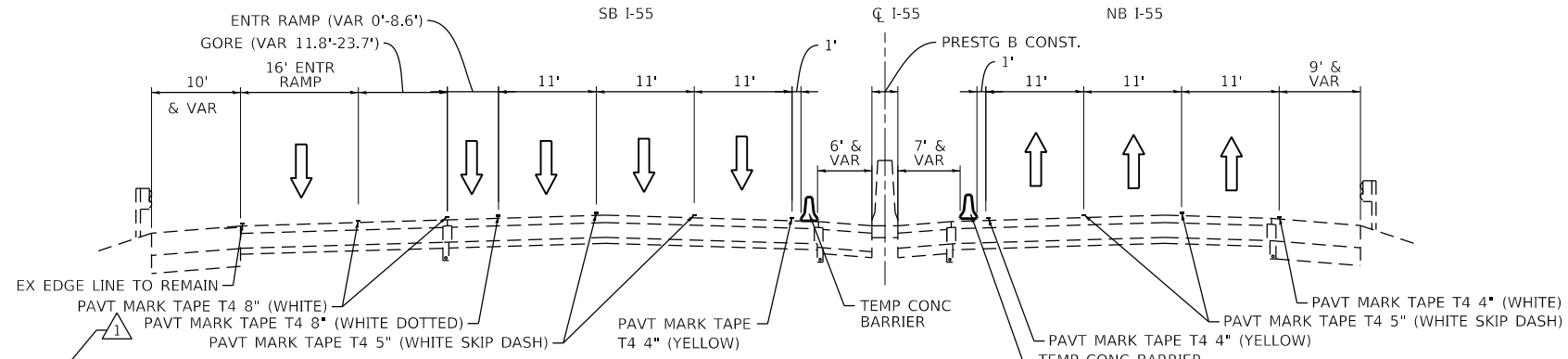
**PRE-STAGE A TYPICAL SECTION - S.N. 099-0028**

JOLIET ROAD UNDER FAI-55  
LOOKING SOUTH



**PRE-STAGE B TYPICAL SECTION - S.N. 099-0028**

FAI-55 OVER JOLIET RD  
LOOKING NORTHEAST  
STA 286+23.12 TO STA 291+00.00



**PRE-STAGE B TYPICAL SECTION - S.N. 099-0028**

FAI-55 OVER JOLIET RD  
LOOKING NORTHEAST  
STA 291+00.00 TO STA 299+27.24

**NOTE:**  
WHERE TRAFFIC LANE IS 1' OR LESS FROM EXISTING BARRIER OR PARAPET WALL,  
THE CONTRACTOR SHALL PLACE PRISMATIC WALL REFLECTORS AT 25' C-C, YELLOW  
REFLECTORS ON THE LEFT SIDE AND WHITE REFLECTORS ON THE RIGHT SIDE.

REVISION 1 REVISED SHEET 5/27/2021



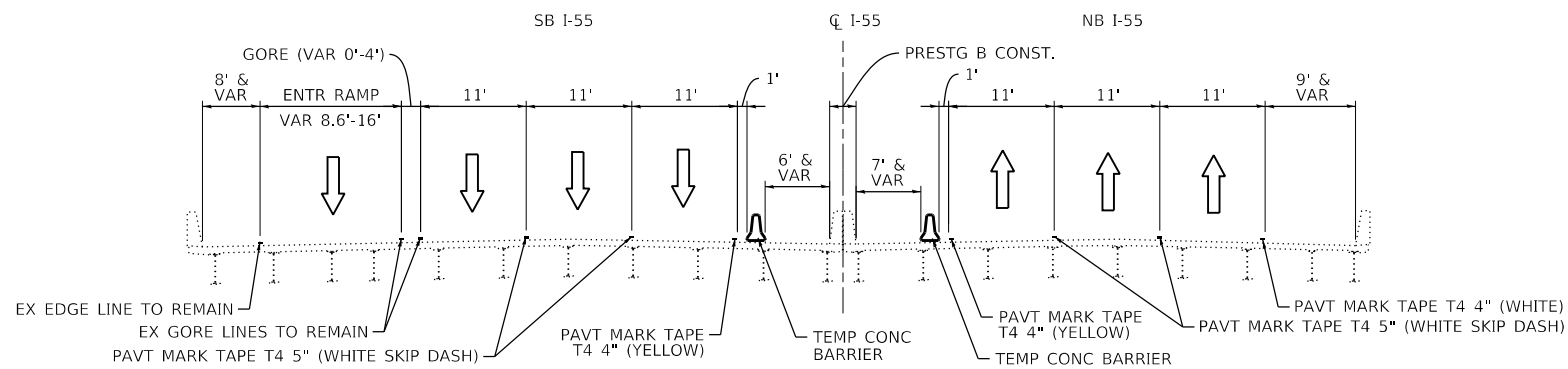
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PLOT DATE = 5/21/2021	CHECKED - ST	REVISED -
	DATE - 4/2021	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 55 (I-55)  
S.N. 099-0028 STAGING TYPICAL SECTIONS

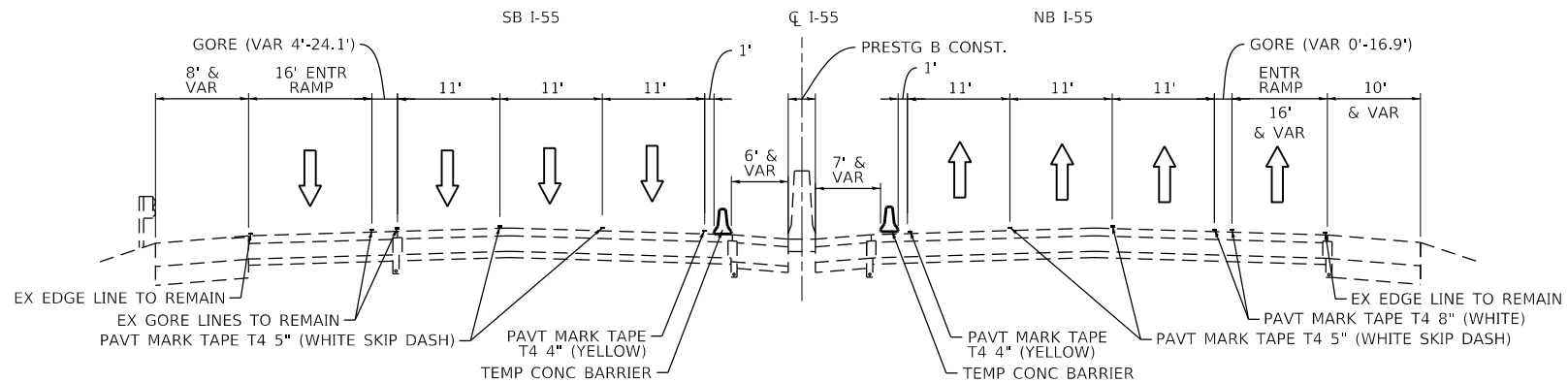
SCALE: N.T.S. SHEET 4 OF 43 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 62H03	
ILLINOIS FED. AID PROJECT				



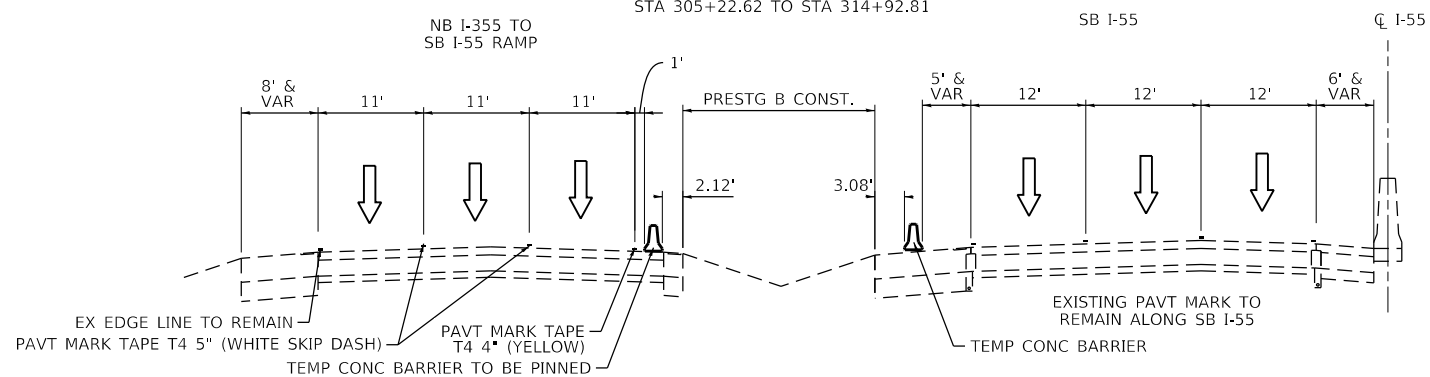
**PRE-STAGE B TYPICAL SECTION - S.N. 099-0028**

FAI-55 OVER JOLIET RD  
LOOKING NORTHEAST  
STA 299+27.24 TO STA 305+22.62



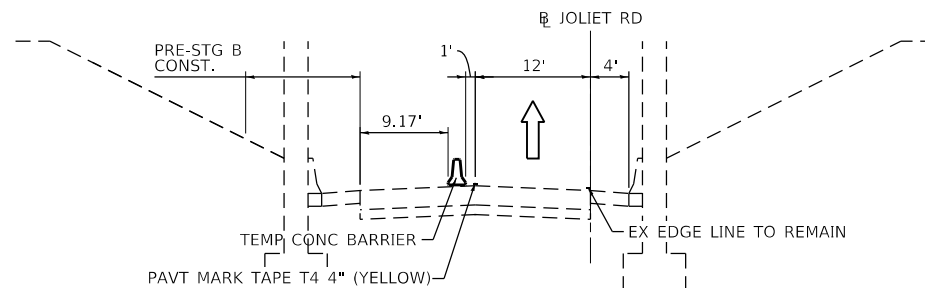
**PRE-STAGE B TYPICAL SECTION - S.N. 099-0028**

FAI-55 OVER JOLIET RD  
LOOKING NORTHEAST  
STA 305+22.62 TO STA 314+92.81



**PRE-STAGE B TYPICAL SECTION - S.N. 099-0028**

FAI-55 OVER JOLIET RD  
LOOKING NORTHEAST  
STA 314+92.81 TO STA 319+62.15



**PRE-STAGE B TYPICAL SECTION - S.N. 099-0028**

JOLIET ROAD UNDER FAI-55  
LOOKING SOUTH

**NOTE:**  
WHERE TRAFFIC LANE IS 1' OR LESS FROM EXISTING BARRIER OR PARAPET WALL,  
THE CONTRACTOR SHALL PLACE PRISMATIC WALL REFLECTORS AT 25' C-C, YELLOW  
REFLECTORS ON THE LEFT SIDE AND WHITE REFLECTORS ON THE RIGHT SIDE.

REVISED SHEET 5/27/2021



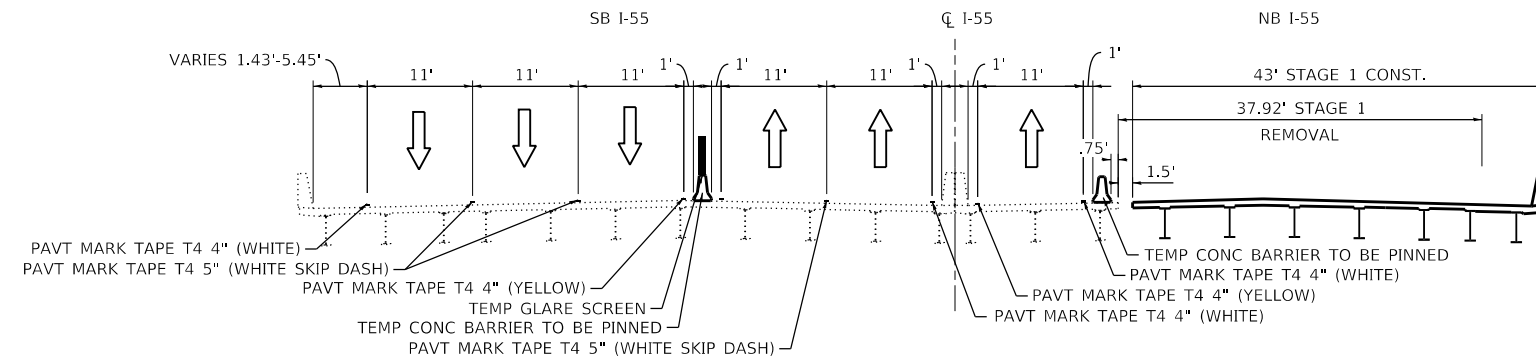
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 55 (I-55)  
S.N. 099-0028 STAGING TYPICAL SECTIONS

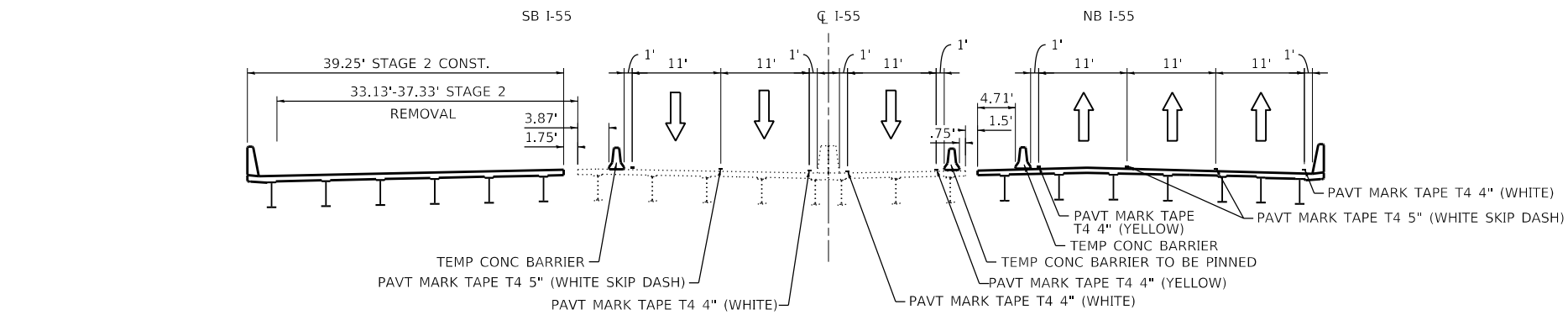
SCALE: N.T.S. SHEET 5 OF 43 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2018-043-BD&BJR	WILL	430	43
CONTRACT NO. 62H03				
ILLINOIS FED. AID PROJECT				



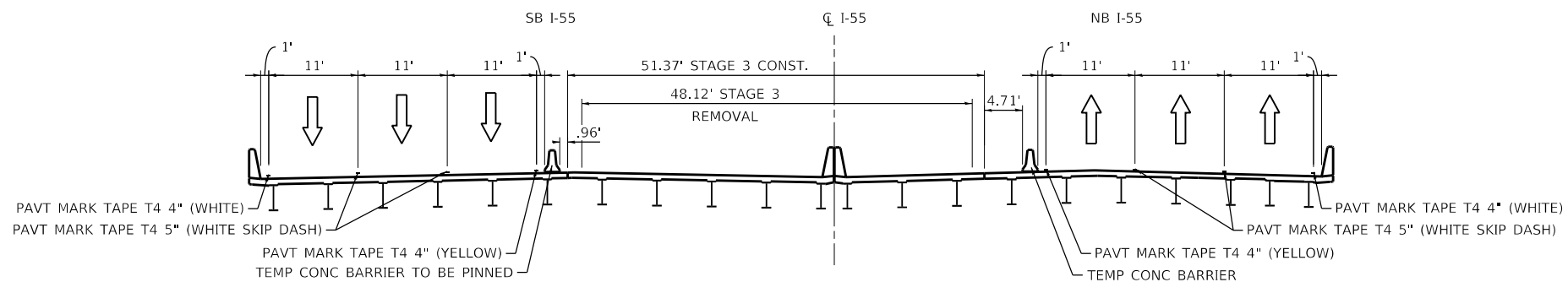
**STAGE 1 TYPICAL SECTION – S.N. 099-0028**

FAI-55 OVER JOLIET RD  
LOOKING NORTHEAST



**STAGE 2 TYPICAL SECTION – S.N. 099-0028**

FAI-55 OVER JOLIET RD  
LOOKING NORTHEAST



**STAGE 3 TYPICAL SECTION – S.N. 099-0028**

FAI-55 OVER JOLIET RD  
LOOKING NORTHEAST

**NOTE:**  
WHERE TRAFFIC LANE IS 1' OR LESS FROM EXISTING BARRIER OR PARAPET WALL, THE CONTRACTOR SHALL PLACE PRISMATIC WALL REFLECTORS AT 25' C-C, YELLOW REFLECTORS ON THE LEFT SIDE AND WHITE REFLECTORS ON THE RIGHT SIDE.

REVISION SYMBOL      REVISED SHEET 5/27/2021



USER NAME = rober	DESIGNED - RC	REVISED - 04/21/2021 RC
	DRAWN - RC	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - ST	REVISED -
PLOT DATE = 5/21/2021	DATE - 4/2021	REVISED -









STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

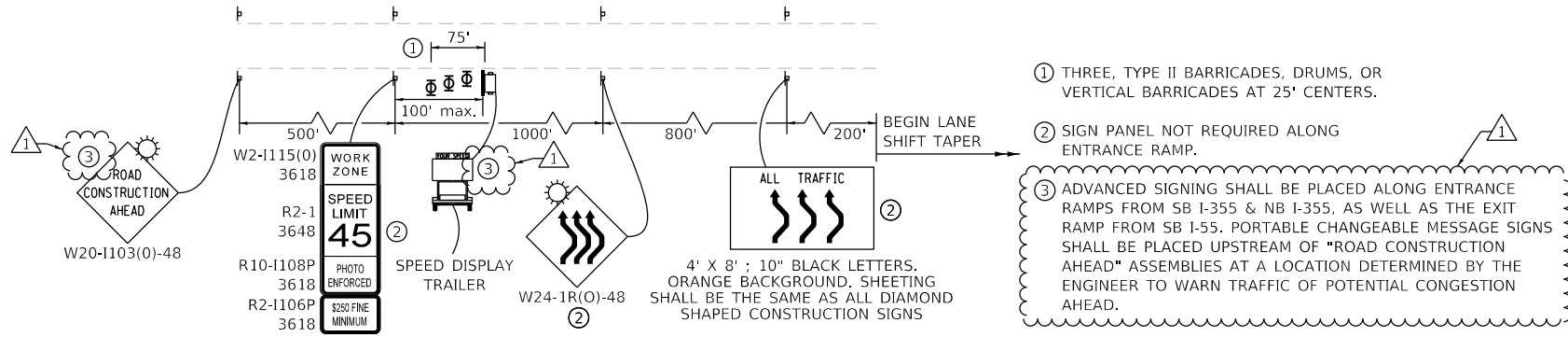
F.A.I. ROUTE 55 (I-55)  
S.N. 099-0028 STAGING TYPICAL SECTIONS

SCALE: N.T.S.      SHEET 6 OF 43 SHEETS      STA.      TO STA.

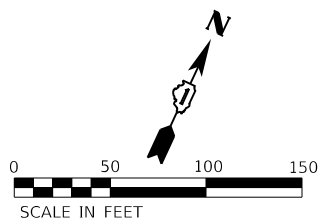
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2018-043-BD&BJR	WILL	430	44
			CONTRACT NO. 62H03	
ILLINOIS FED. AID PROJECT				

**LEGEND**

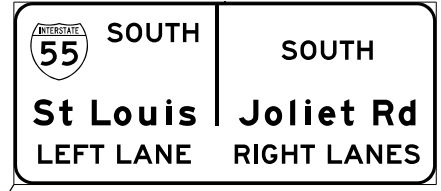
-  WORK ZONE
-  DIRECTION OF TRAFFIC
-  IMPACT ATTENUATOR, TEST LEVEL 3 (TEMPORARY)
-  TEMPORARY CONCRETE BARRIER
-  DRUMS WITH STEADY BURNING LIGHTS AT 50' (C-C)
-  SIGN
-  TEMPORARY PAVEMENT CONSTRUCTED IN THIS STAGE
-  TEMPORARY PAVEMENT CONSTRUCTED IN PREVIOUS STAGE



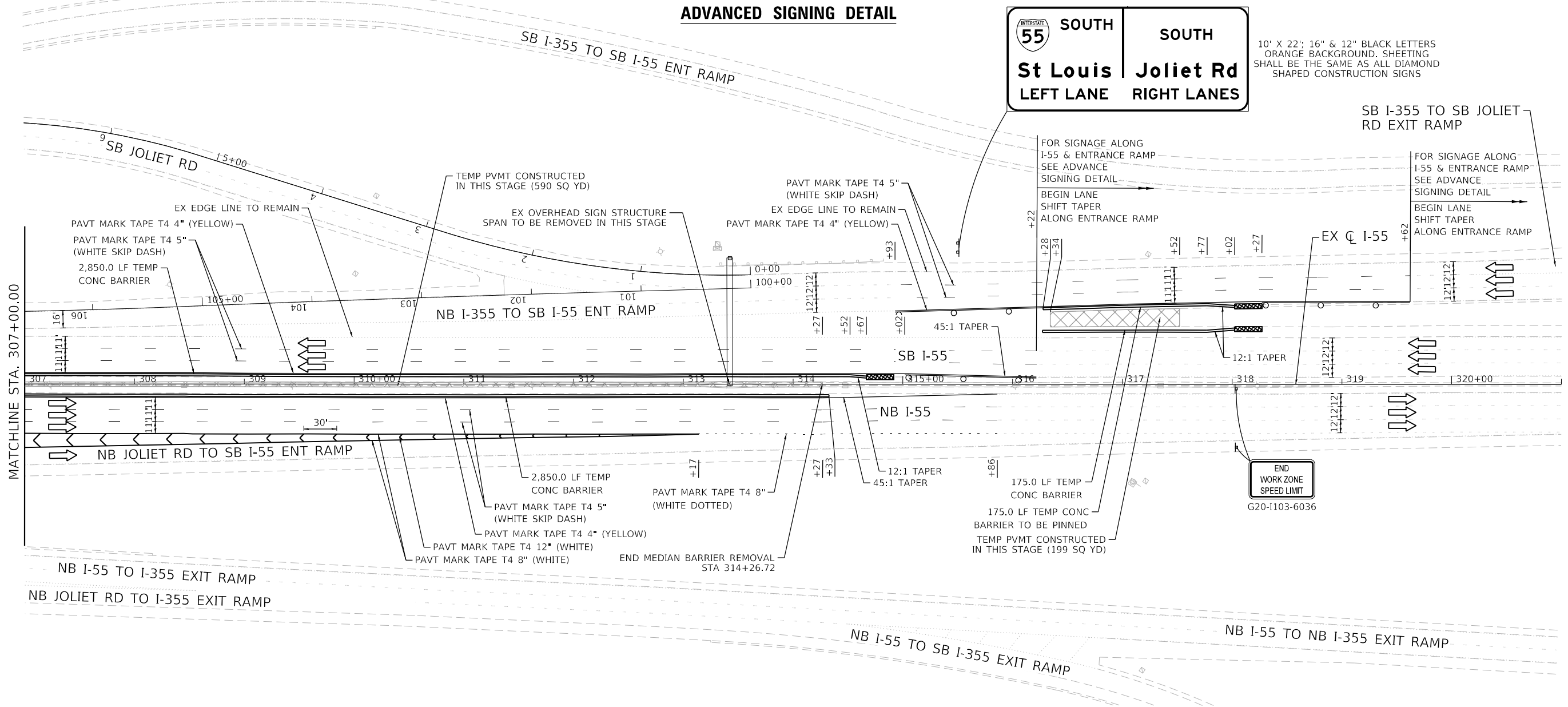
- ① THREE, TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 25' CENTERS.
- ② SIGN PANEL NOT REQUIRED ALONG ENTRANCE RAMP.
- ③ ADVANCED SIGNING SHALL BE PLACED ALONG ENTRANCE RAMP FROM SB I-355 & NB I-355, AS WELL AS THE EXIT RAMP FROM SB I-55. PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE PLACED UPSTREAM OF "ROAD CONSTRUCTION AHEAD" ASSEMBLIES AT A LOCATION DETERMINED BY THE ENGINEER TO WARN TRAFFIC OF POTENTIAL CONGESTION AHEAD.



**ADVANCED SIGNING DETAIL**



10' X 22'; 16" & 12" BLACK LETTERS  
ORANGE BACKGROUND, SHEETING  
SHALL BE THE SAME AS ALL DIAMOND  
SHAPED CONSTRUCTION SIGNS



MATCHLINE STA. 307+00.00

END WORK ZONE  
SPEED LIMIT  
G20-1103-6036



USER NAME = rober	DESIGNED - RC	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - RC	REVISED -
PLOT DATE = 5/21/2021	CHECKED - ST	REVISED -
	DATE - 4/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**









**F.A.I. ROUTE 55 (I-55)  
S.N. 099-0028 STAGING PLAN - PRE-STAGE B**

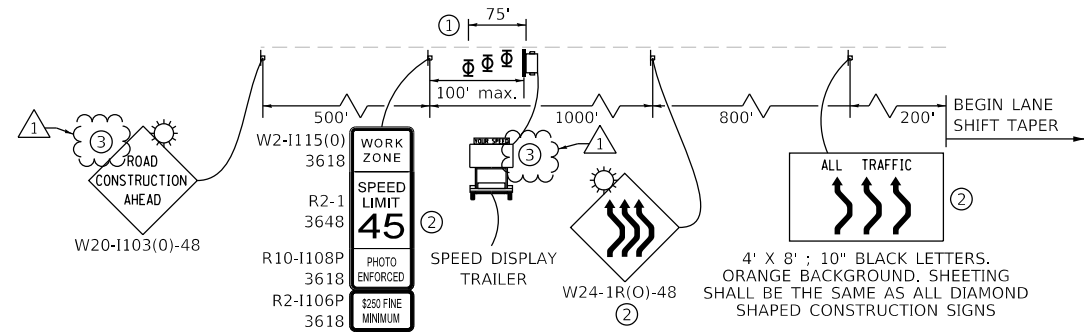
SCALE: 1"=50' SHEET 18 OF 43 SHEETS STA. 307+00.00 TO STA. 316+21.68

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2018-043-BD&BJR	WILL	430	56
			CONTRACT NO. 62H03	
ILLINOIS FED. AID PROJECT				

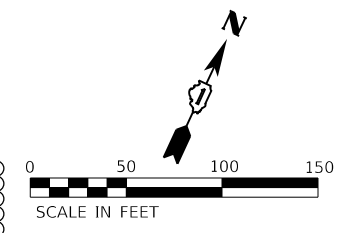
REVISI**ON** SHEET 5/27/2021

**LEGEND**

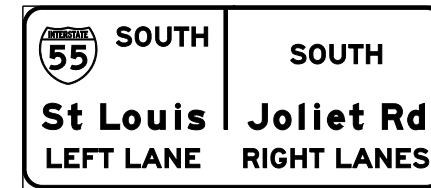
-  WORK ZONE
-  DIRECTION OF TRAFFIC
-  IMPACT ATTENUATOR, TEST LEVEL 3 (TEMPORARY)
-  TEMPORARY CONCRETE BARRIER
-  DRUMS WITH STEADY BURNING LIGHTS AT 50' (C-C)
-  SIGN
-  TEMPORARY PAVEMENT CONSTRUCTED IN THIS STAGE
-  TEMPORARY PAVEMENT CONSTRUCTED IN PREVIOUS STAGE



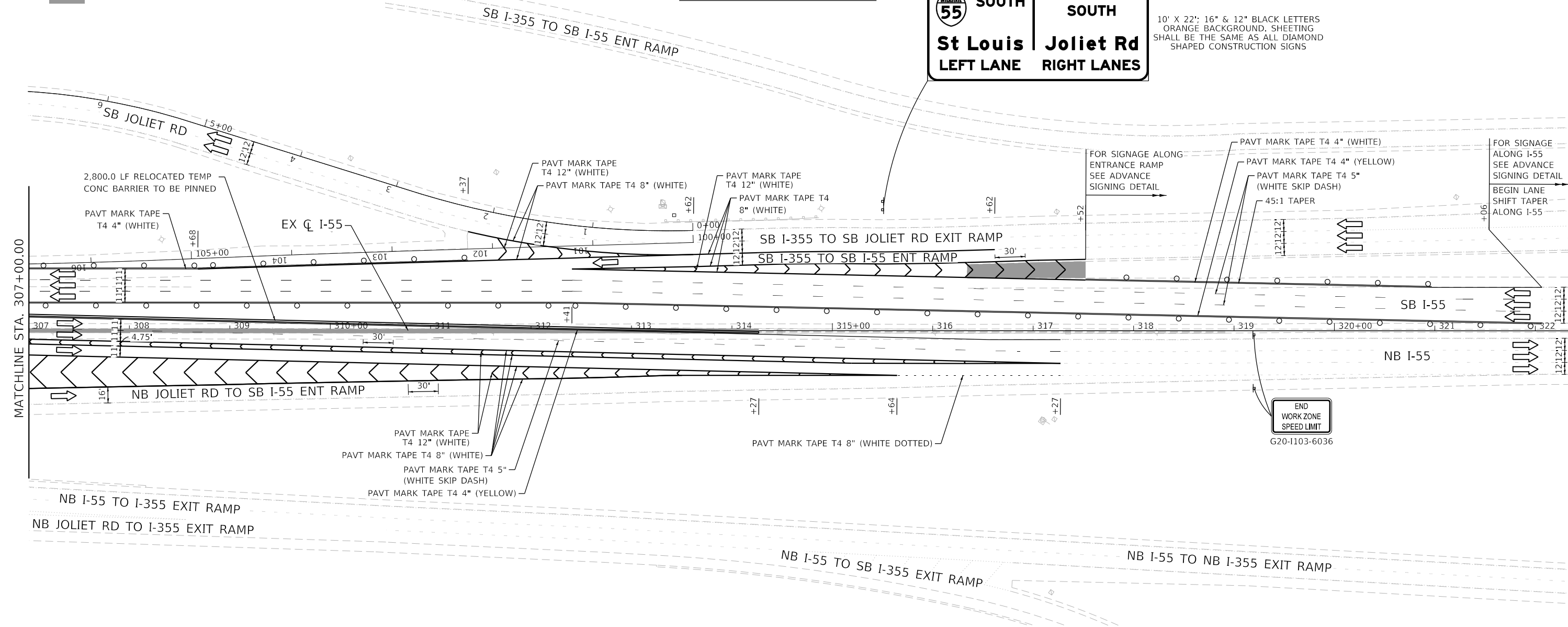
- ① THREE, TYPE II BARRICADES, DRUMS, OR VERTICAL BARRICADES AT 25' CENTERS.
- ② SIGN PANEL NOT REQUIRED ALONG ENTRANCE RAMP.
- ③ ADVANCED SIGNING SHALL BE PLACED ALONG ENTRANCE RAMP FROM SB I-355 & NB I-355, AS WELL AS THE EXIT RAMP FROM SB I-55. PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE PLACED UPSTREAM OF "ROAD CONSTRUCTION AHEAD" ASSEMBLIES AT A LOCATION DETERMINED BY THE ENGINEER TO WARN TRAFFIC OF POTENTIAL CONGESTION AHEAD.



**ADVANCED SIGNING DETAIL**



10' X 22'; 16" & 12" BLACK LETTERS  
ORANGE BACKGROUND, SHEETING  
SHALL BE THE SAME AS ALL DIAMOND  
SHAPED CONSTRUCTION SIGNS



REVISED SHEET 5/27/2021











USER NAME = rober	DESIGNED - RC	REVISED -
	DRAWN - RC	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED - ST	REVISED -
PLOT DATE = 5/21/2021	DATE - 4/2021	REVISED -

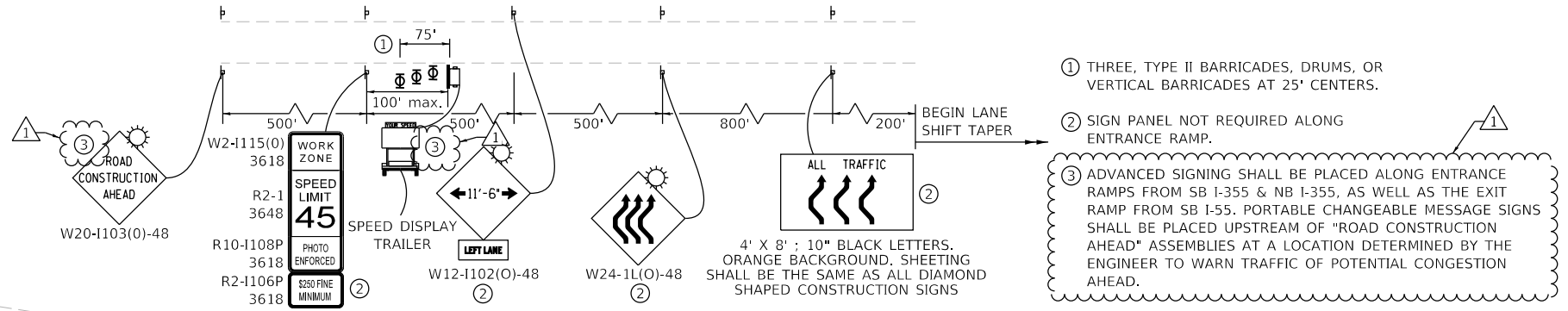
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 55 (I-55)  
S.N. 099-0028 STAGING PLAN - STAGE 1  
SCALE: 1"=50' SHEET 24 OF 43 SHEETS STA. 307+00.00 TO STA. 322+06.48

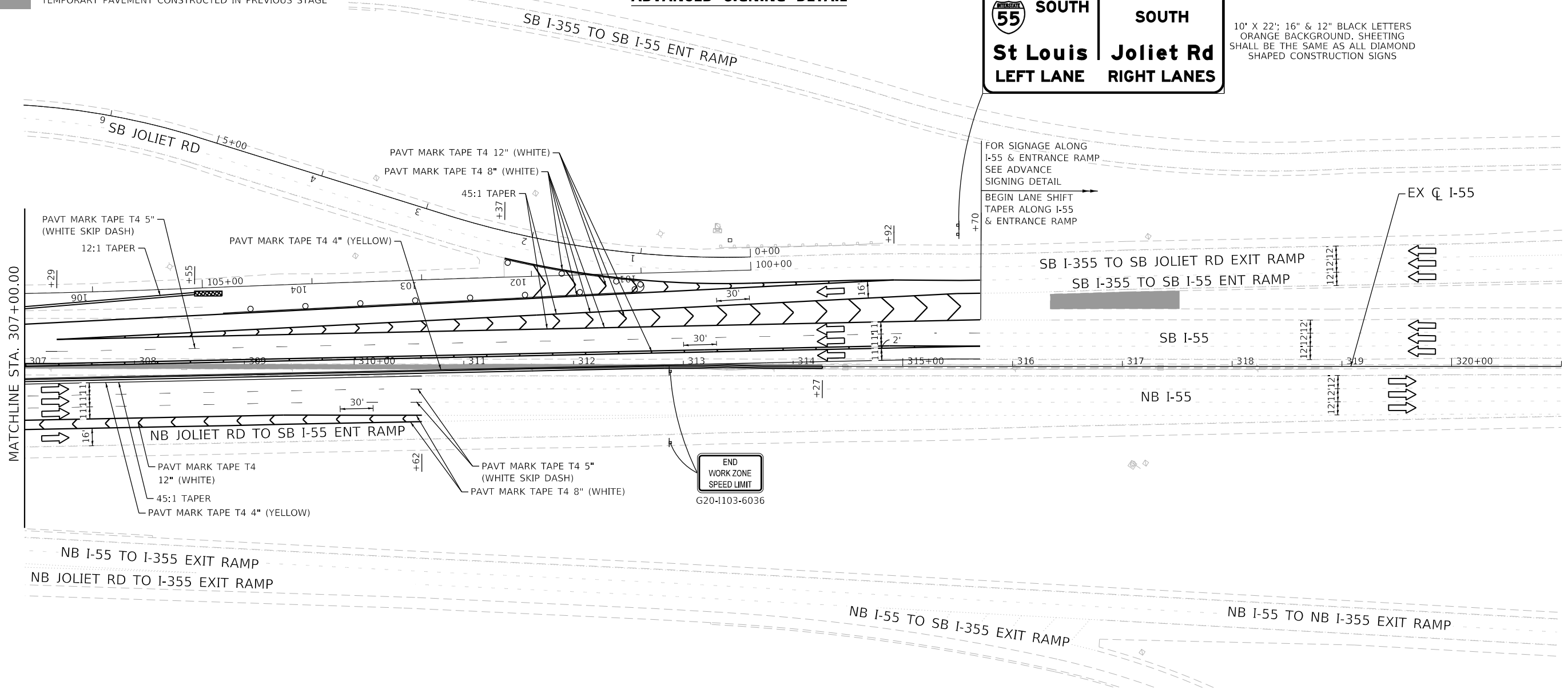
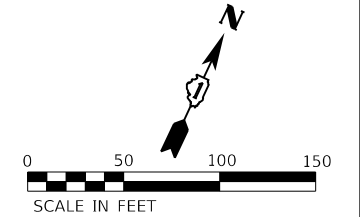
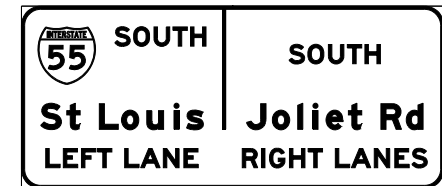
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2018-043-BD&BJR	WILL	430	62
			CONTRACT NO. 62H03	
ILLINOIS FED. AID PROJECT				

**LEGEND**

-  WORK ZONE
-  DIRECTION OF TRAFFIC
-  IMPACT ATTENUATOR, TEST LEVEL 3 (TEMPORARY)
-  TEMPORARY CONCRETE BARRIER
-  DRUMS WITH STEADY BURNING LIGHTS AT 50' (C-C)
-  SIGN
-  TEMPORARY PAVEMENT CONSTRUCTED IN THIS STAGE
-  TEMPORARY PAVEMENT CONSTRUCTED IN PREVIOUS STAGE











**ADVANCED SIGNING DETAIL**

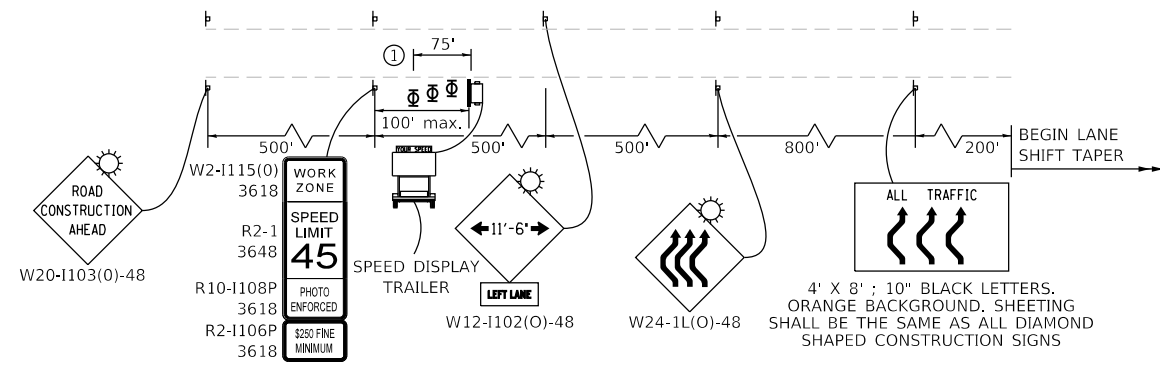


USER NAME = rober	DESIGNED - RC	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - RC	REVISED -
PLOT DATE = 5/21/2021	CHECKED - ST	REVISED -
	DATE - 4/2021	REVISED -

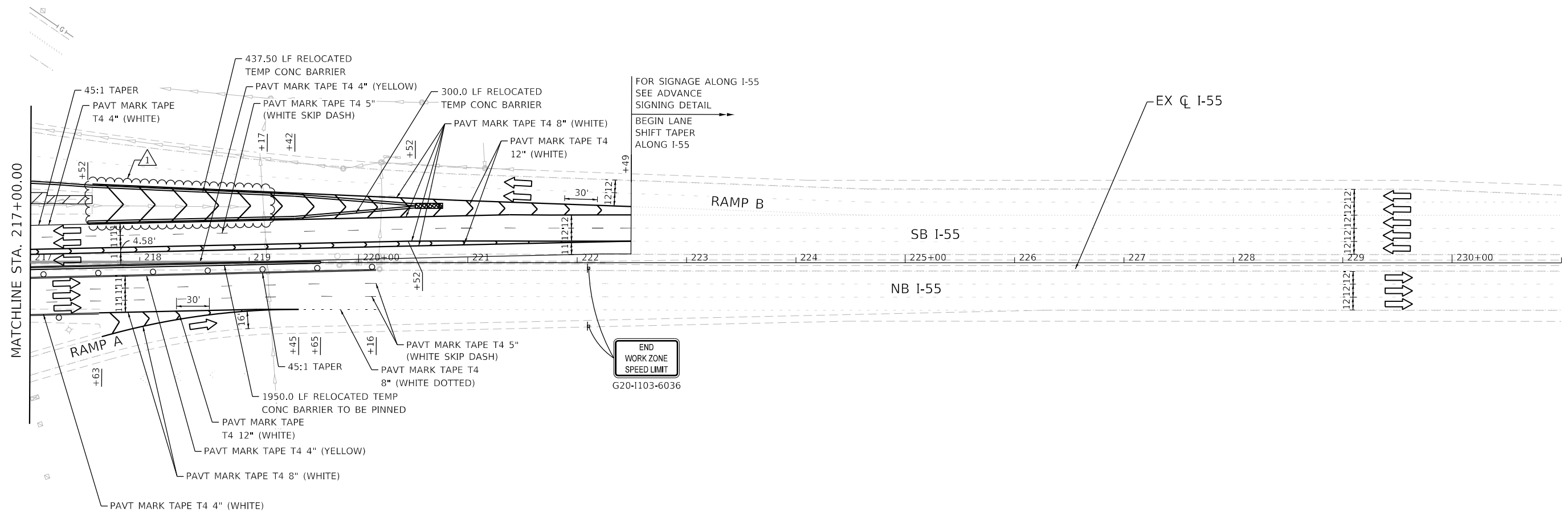
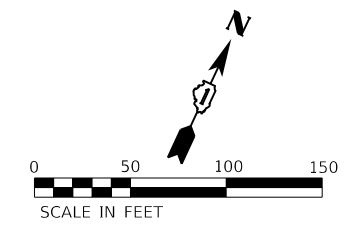
REVISED SHEET 5/27/2021		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2018-043-BD&BJR	WILL	430	68	CONTRACT NO. 62H03	
ILLINOIS FED. AID PROJECT						

**LEGEND**

-  WORK ZONE
-  DIRECTION OF TRAFFIC
-  IMPACT ATTENUATOR, TEST LEVEL 3 (TEMPORARY)
-  TEMPORARY CONCRETE BARRIER
-  DRUMS WITH STEADY BURNING LIGHTS AT 50' (C-C)
-  SIGN
-  TEMPORARY PAVEMENT CONSTRUCTED IN THIS STAGE
-  TEMPORARY PAVEMENT CONSTRUCTED IN PREVIOUS STAGE




**ADVANCED SIGNING DETAIL**



END  
WORK ZONE  
SPEED LIMIT  
G20-1103-6036

REVISION 1 REVISED SHEET 5/27/2021









 <p><b>LIN ENGINEERING, LTD.</b> Consulting Engineers Westmont, Illinois</p>	USER NAME = rober	DESIGNED - RC	REVISED - 04/21/2021 RC
	PLOT SCALE = 100,0000' / in.	DRAWN - RC	REVISED -
	PLOT DATE = 5/25/2021	CHECKED - ST	REVISED -
		DATE - 4/2021	REVISED -

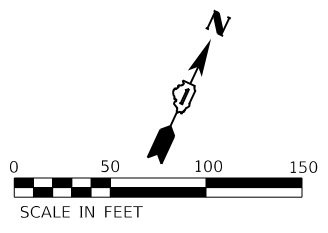
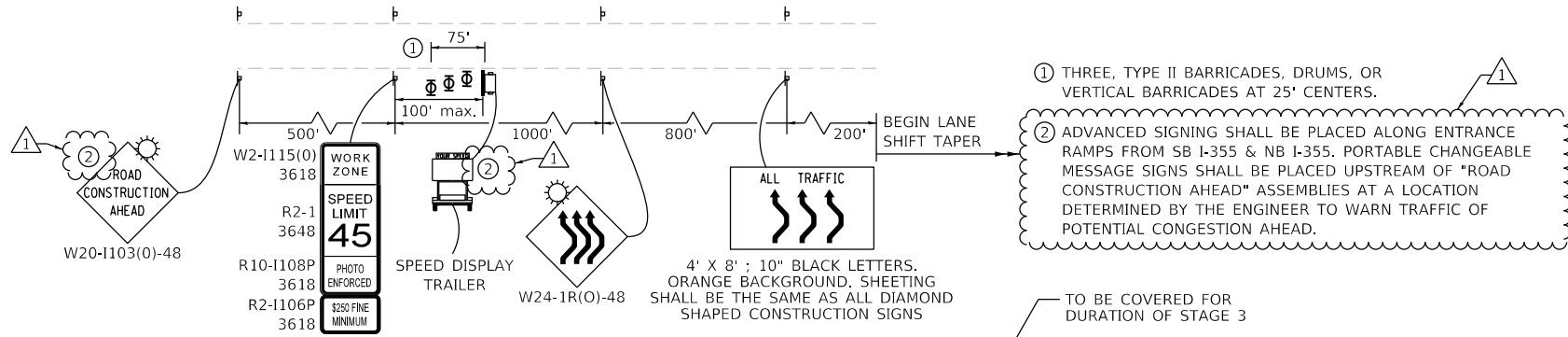
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>F.A.I. ROUTE 55 (I-55) S.N. 099-0260 STAGING PLAN - STAGE 3</b>			
SCALE: 1"=50'	SHEET 33 OF 43 SHEETS	STA. 217+00.00 TO STA. 222+49.33	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2018-043-BD&BJR	WILL	430	71
			CONTRACT NO. 62H03	
ILLINOIS FED. AID PROJECT				

**LEGEND**

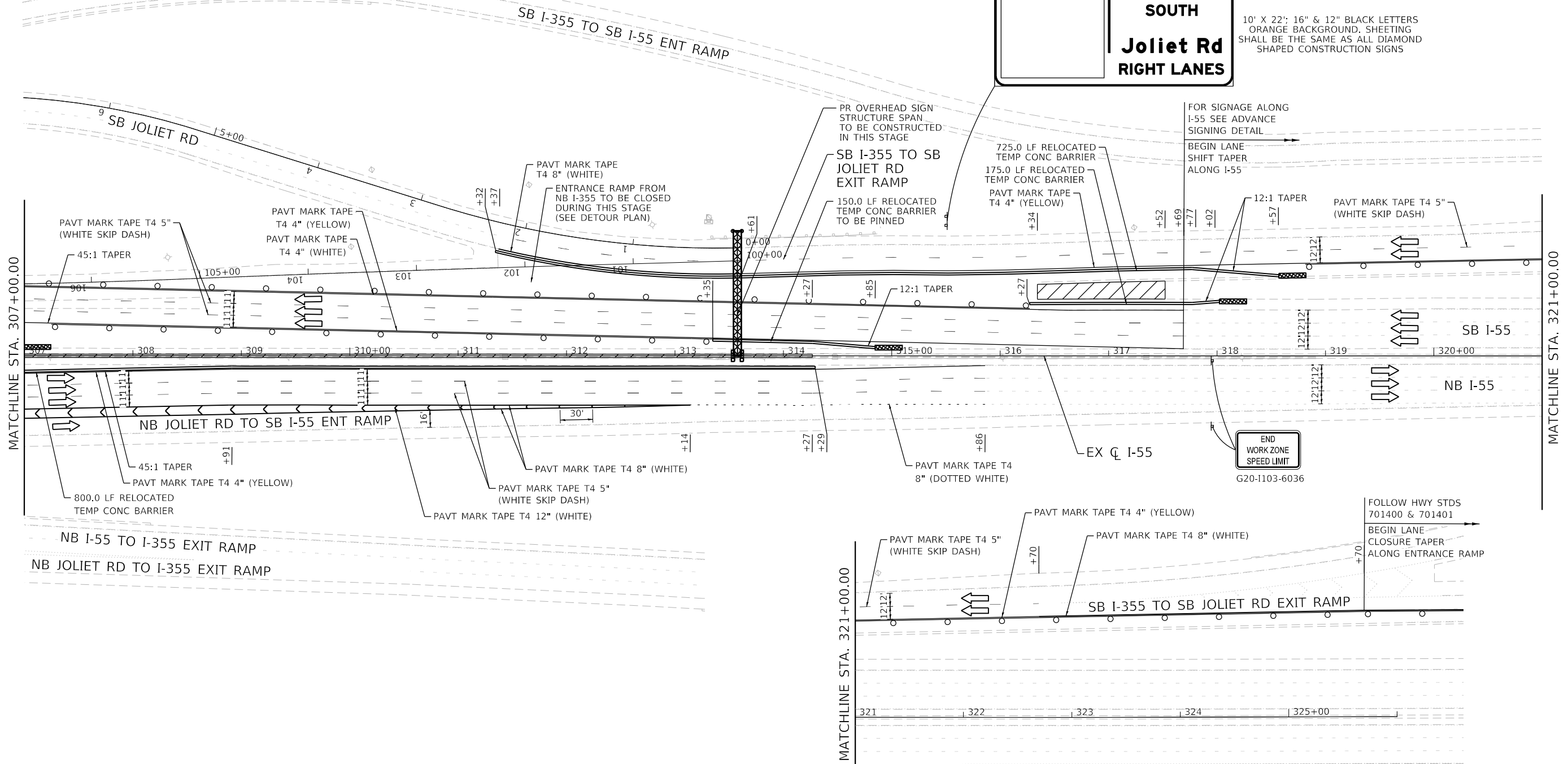
-  WORK ZONE
-  DIRECTION OF TRAFFIC
-  IMPACT ATTENUATOR, TEST LEVEL 3 (TEMPORARY)
-  TEMPORARY CONCRETE BARRIER
-  DRUMS WITH STEADY BURNING LIGHTS AT 50' (C-C)
-  SIGN
-  TEMPORARY PAVEMENT CONSTRUCTED IN THIS STAGE
-  TEMPORARY PAVEMENT CONSTRUCTED IN PREVIOUS STAGE



**ADVANCED SIGNING DETAIL**

**SOUTH**  
**Joliet Rd**  
**RIGHT LANES**


10' X 22'; 16" & 12" BLACK LETTERS  
ORANGE BACKGROUND, SHEETING  
SHALL BE THE SAME AS ALL DIAMOND  
SHAPED CONSTRUCTION SIGNS



USER NAME = rober	DESIGNED - RC	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN - RC	REVISED -
PLOT DATE = 5/21/2021	CHECKED - ST	REVISED -
	DATE - 4/2021	REVISED -

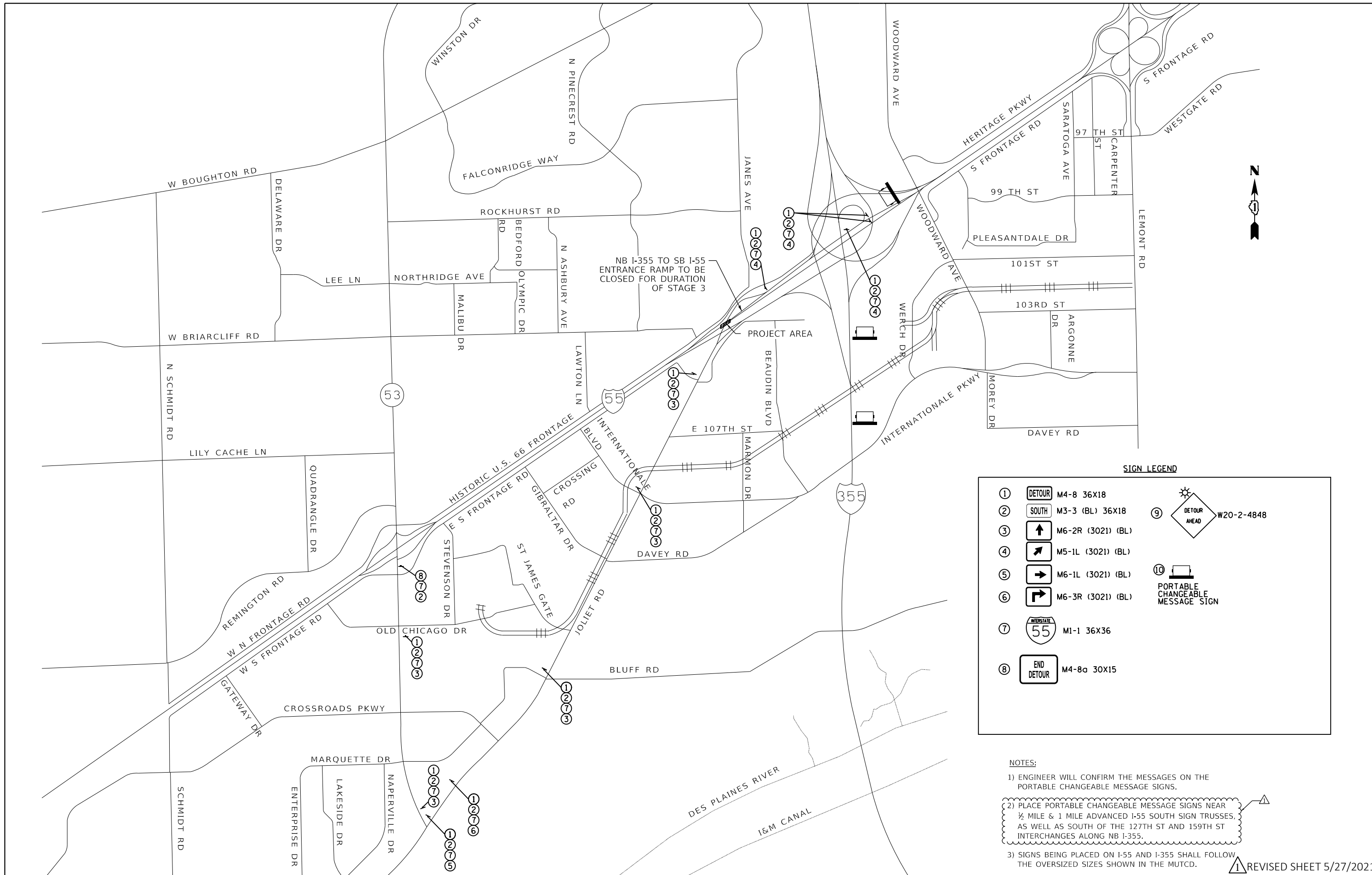
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**F.A.I. ROUTE 55 (I-55)**  
**S.N. 099-0028 STAGING PLAN - STAGE 3**  
SCALE: 1"=50' SHEET 36 OF 43 SHEETS STA. 307+00.00 TO STA. 317+69.15

REVISION:  REVISED SHEET 5/27/2021

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2018-043-BD&BJR	WILL	430	74
			CONTRACT NO. 62H03	
ILLINOIS FED. AID PROJECT				





NB I-355 TO SB I-55  
ENTRANCE RAMP TO BE  
CLOSED FOR DURATION  
OF STAGE 3

PROJECT AREA

**SIGN LEGEND**

①	<b>DETOUR</b> M4-8 36X18	⑨	<b>DETOUR AHEAD</b> W20-2-4848
②	<b>SOUTH</b> M3-3 (BL) 36X18	⑩	<b>PORTABLE CHANGEABLE MESSAGE SIGN</b>
③	M6-2R (3021) (BL)		
④	M5-1L (3021) (BL)		
⑤	M6-1L (3021) (BL)		
⑥	M6-3R (3021) (BL)		
⑦	<b>55</b> MI-1 36X36		
⑧	<b>END DETOUR</b> M4-8a 30X15		

**NOTES:**

- ENGINEER WILL CONFIRM THE MESSAGES ON THE PORTABLE CHANGEABLE MESSAGE SIGNS.
- PLACE PORTABLE CHANGEABLE MESSAGE SIGNS NEAR 1/2 MILE & 1 MILE ADVANCED I-55 SOUTH SIGN TRUSSES AS WELL AS SOUTH OF THE 127TH ST AND 159TH ST INTERCHANGES ALONG NB I-355.
- SIGNS BEING PLACED ON I-55 AND I-355 SHALL FOLLOW THE OVERSIZED SIZES SHOWN IN THE MUTCD.

**REVISED SHEET 5/27/2021**

	USER NAME = rober	DESIGNED - RC	REVISED -  04/21/2021 RC
		DRAWN - RC	REVISED -
	PLOT SCALE = 2,000' / in.	CHECKED - ST	REVISED -
	PLOT DATE = 5/21/2021	DATE - 4/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>F.A.I. ROUTE 55 (I-55)</b>	
<b>S.N. 099-0028 STAGE 3 DETOUR PLAN</b>	
SCALE: N.T.S.	SHEET 43 OF 43 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2018-043-BD&BJR	WILL	430	81
CONTRACT NO. 62H03			ILLINOIS FED. AID PROJECT	

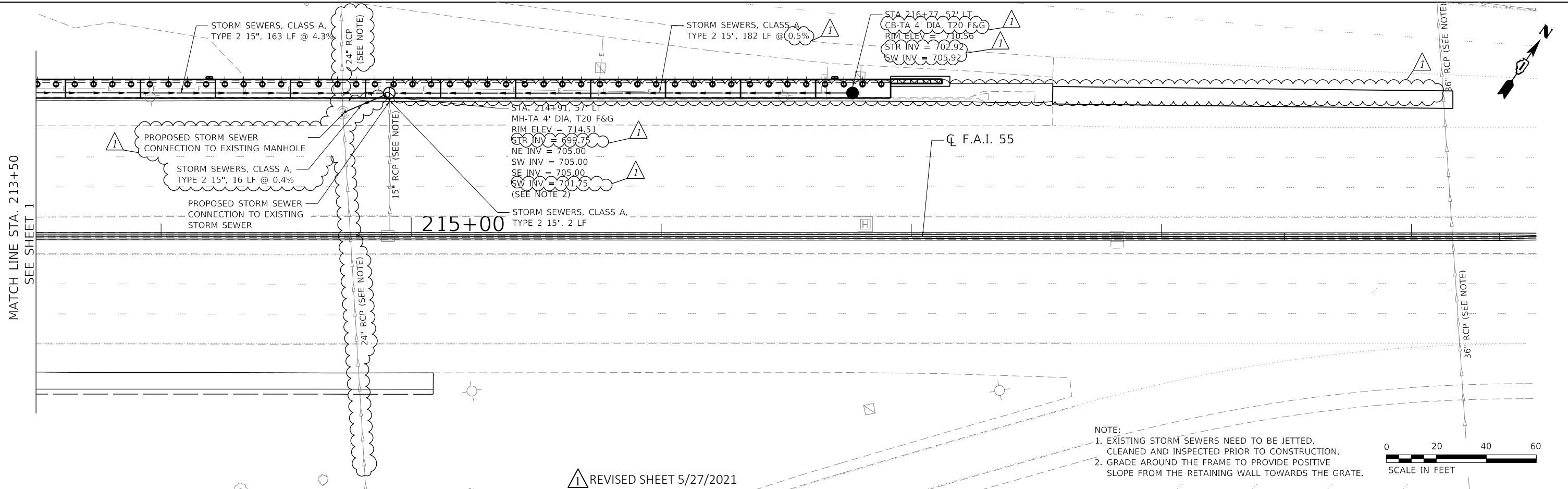




PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNMENT CHECKED	
	NOTE BOOK	
	NO.	

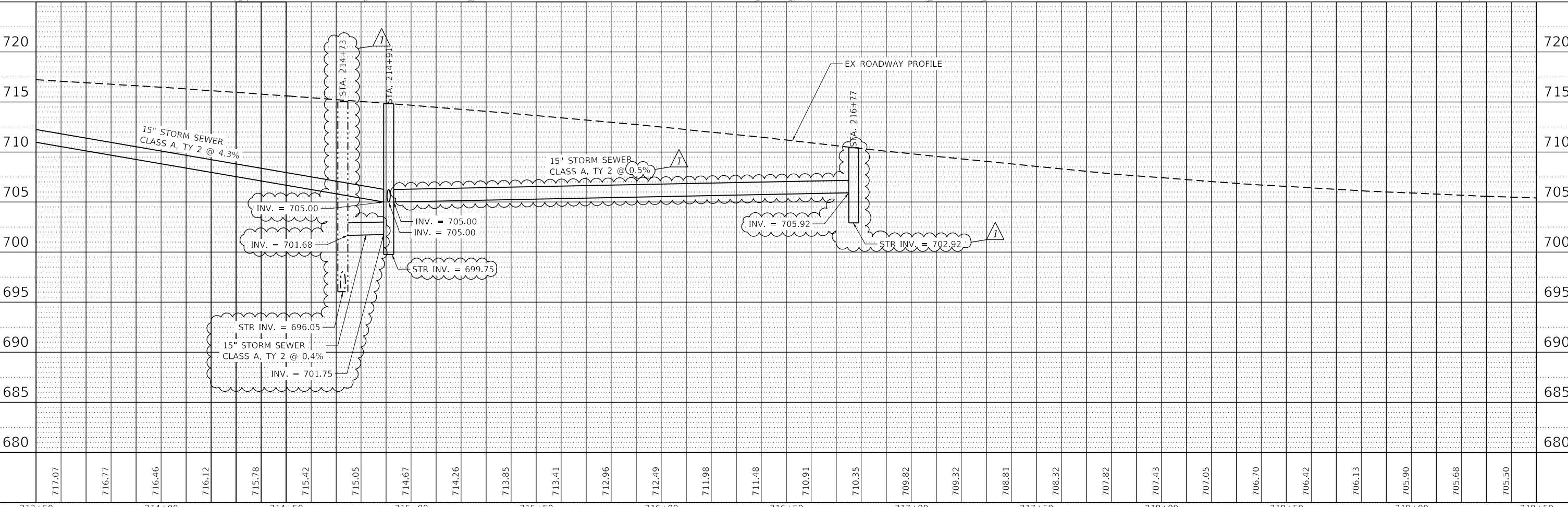
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	PLOTTED	BY
	GRADES CHECKED	
	NOTE BOOK	
	NO.	

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 PLOT CONFIG = CGL-PPF.plt  
 MODEL: SHODLNAME  
 FILE NAME: N:\PROJECTS\2018\043-BD&BJR\I-55\Drawings\219+50\_Proposed.dwg



REVISOR'S MARK: **1** REVISED SHEET 5/27/2021

- NOTE:
- EXISTING STORM SEWERS NEED TO BE JETTED, CLEANED AND INSPECTED PRIOR TO CONSTRUCTION.
  - GRADE AROUND THE FRAME TO PROVIDE POSITIVE SLOPE FROM THE RETAINING WALL TOWARDS THE GRATE.



213+50	214+00	214+50	215+00	215+50	216+00	216+50	217+00	217+50	218+00	218+50	219+00	219+50																	
717.07	716.77	716.46	716.12	715.78	715.42	715.05	714.67	714.26	713.85	713.41	712.96	712.49	711.98	711.48	710.91	710.35	709.82	709.32	708.81	708.32	707.82	707.43	707.05	706.70	706.42	706.13	705.90	705.68	705.50

**CiorbaGroup**  
 8725 W. Higgins Rd, Ste 600, Chicago, IL 60631  
 P 773.775.4009 | www.ciorba.com

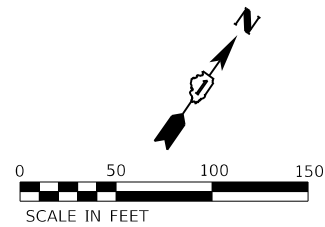
USER NAME = WaterResources	DESIGNED - JS	REVISED -
PLOT SCALE = 40,000.0' / in.	DRAWN - JS	REVISED -
PLOT DATE = 5/25/2021	CHECKED - RD	REVISED -
	DATE - 3/16/2021	REVISED -

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

**I-55 OVER IL 53 BRIDGE REHABILITATION**  
**PROPOSED DRAINAGE PLAN AND PROFILE**

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

F.A.I. RTE. 55	SECTION 2018-043-BD&BJR	COUNTY WILL	TOTAL SHEETS 430	SHEET NO. 86
CONTRACT NO. 62H03			ILLINOIS FED. AID PROJECT	

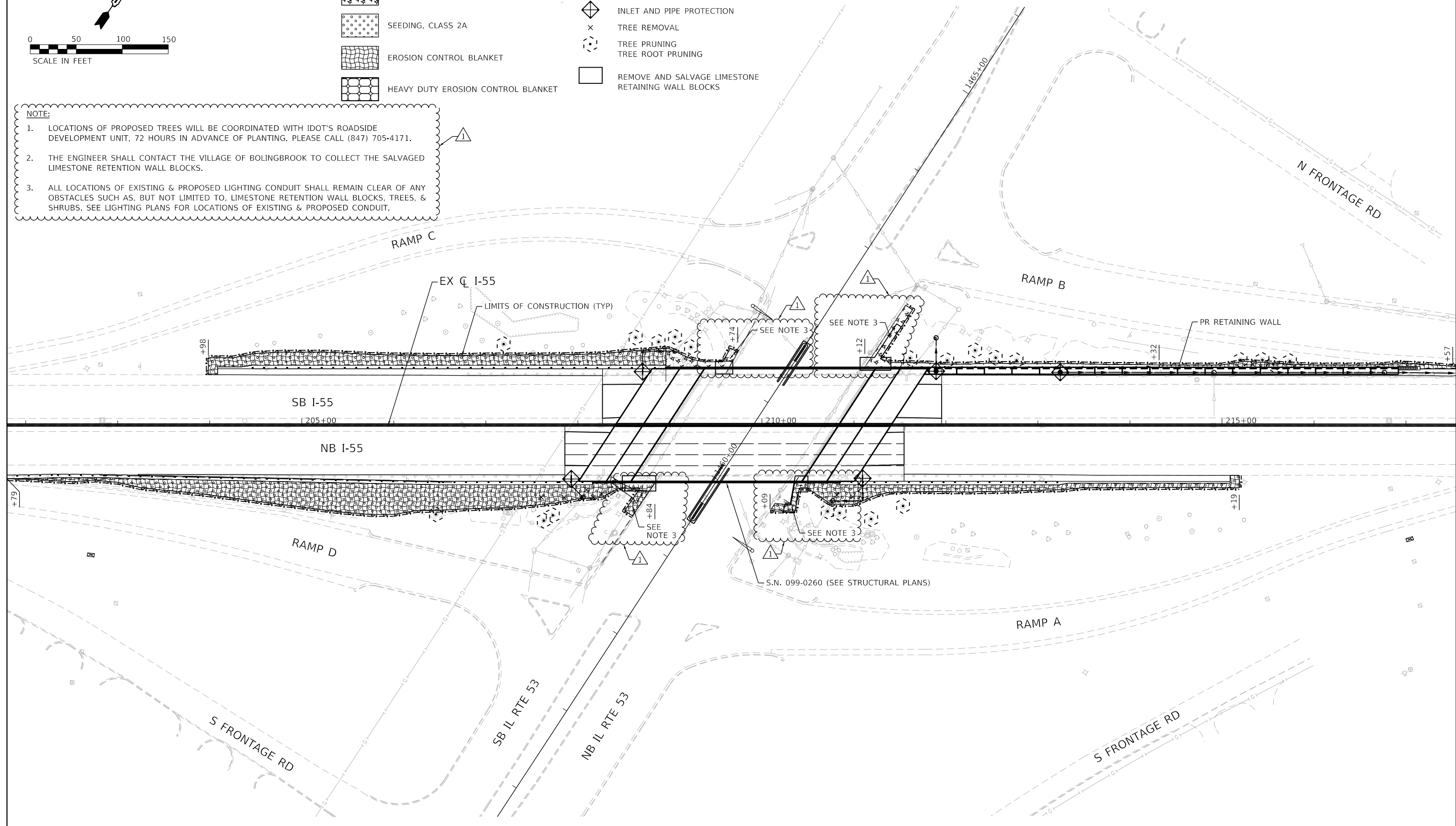


**LEGEND**

- MULCH PLACEMENT, 4"
- SEEDING, CLASS 2A
- EROSION CONTROL BLANKET
- HEAVY DUTY EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER/TEMPORARY FENCE
- INLET AND PIPE PROTECTION
- TREE REMOVAL
- TREE PRUNING
- TREE ROOT PRUNING
- REMOVE AND SALVAGE LIMESTONE RETAINING WALL BLOCKS

**NOTE:**

1. LOCATIONS OF PROPOSED TREES WILL BE COORDINATED WITH IDOT'S ROADSIDE DEVELOPMENT UNIT, 72 HOURS IN ADVANCE OF PLANTING. PLEASE CALL (847) 705-4171.
2. THE ENGINEER SHALL CONTACT THE VILLAGE OF BOLINGBROOK TO COLLECT THE SALVAGED LIMESTONE RETENTION WALL BLOCKS.
3. ALL LOCATIONS OF EXISTING & PROPOSED LIGHTING CONDUIT SHALL REMAIN CLEAR OF ANY OBSTACLES SUCH AS, BUT NOT LIMITED TO, LIMESTONE RETENTION WALL BLOCKS, TREES, & SHRUBS. SEE LIGHTING PLANS FOR LOCATIONS OF EXISTING & PROPOSED CONDUIT.



REVISE SHEET 5/27/2021

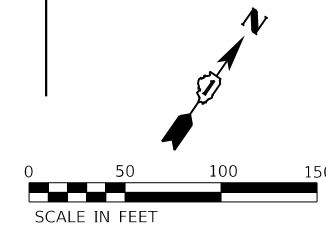
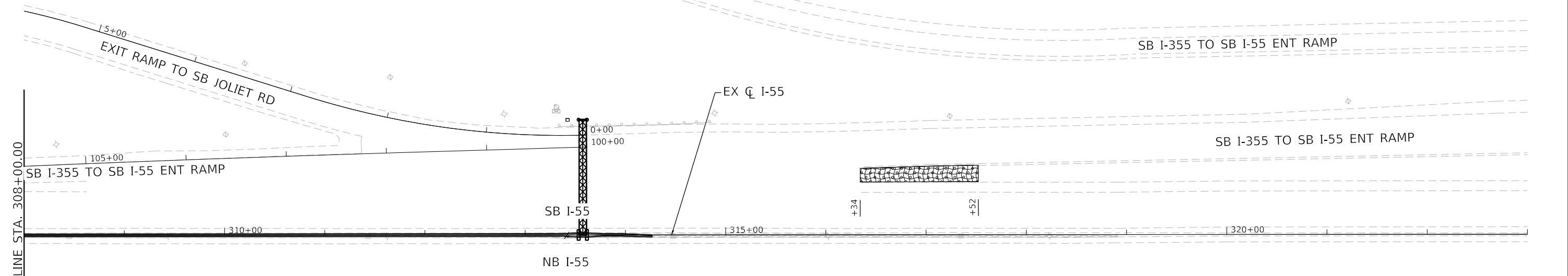
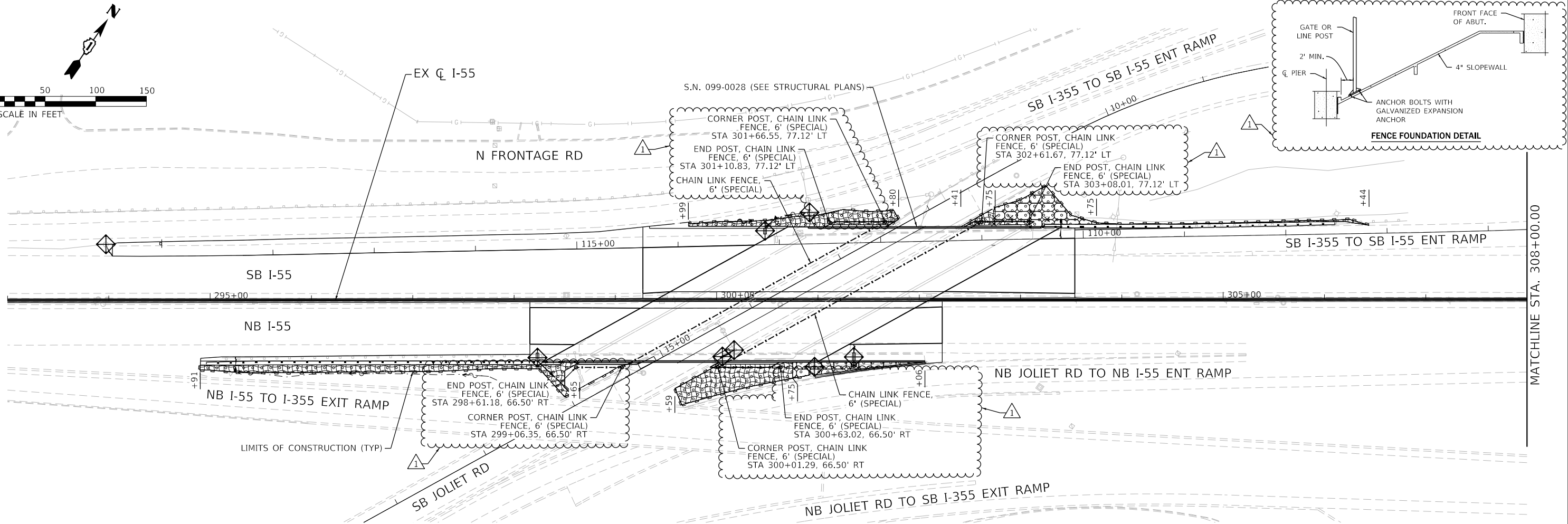
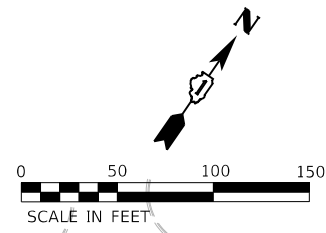
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	PLOT SCALE = 100,0000' / in.	DRAWN - RC	REVISED -
	PLOT DATE = 5/21/2021	CHECKED - ST	REVISED -
		DATE - 4/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**F.A.I. ROUTE 55 (I-55)  
S.N. 099-0260 EROSION CONTROL & LANDSCAPING PLAN**

SCALE: 1"=50'    SHEET 1 OF 2 SHEETS    STA. 201+79.28 TO STA. 217+56.54

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2018-043-BD&BJR	WILL	430	110
CONTRACT NO. 62H03				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- MULCH PLACEMENT, 4"
- SEEDING, CLASS 2A
- EROSION CONTROL BLANKET
- HEAVY DUTY EROSION CONTROL BLANKET
- PERIMETER EROSION BARRIER
- INLET AND PIPE PROTECTION
- TREE REMOVAL
- TREE PRUNING
- TREE ROOT PRUNING

REVISED SHEET 6/1/2021

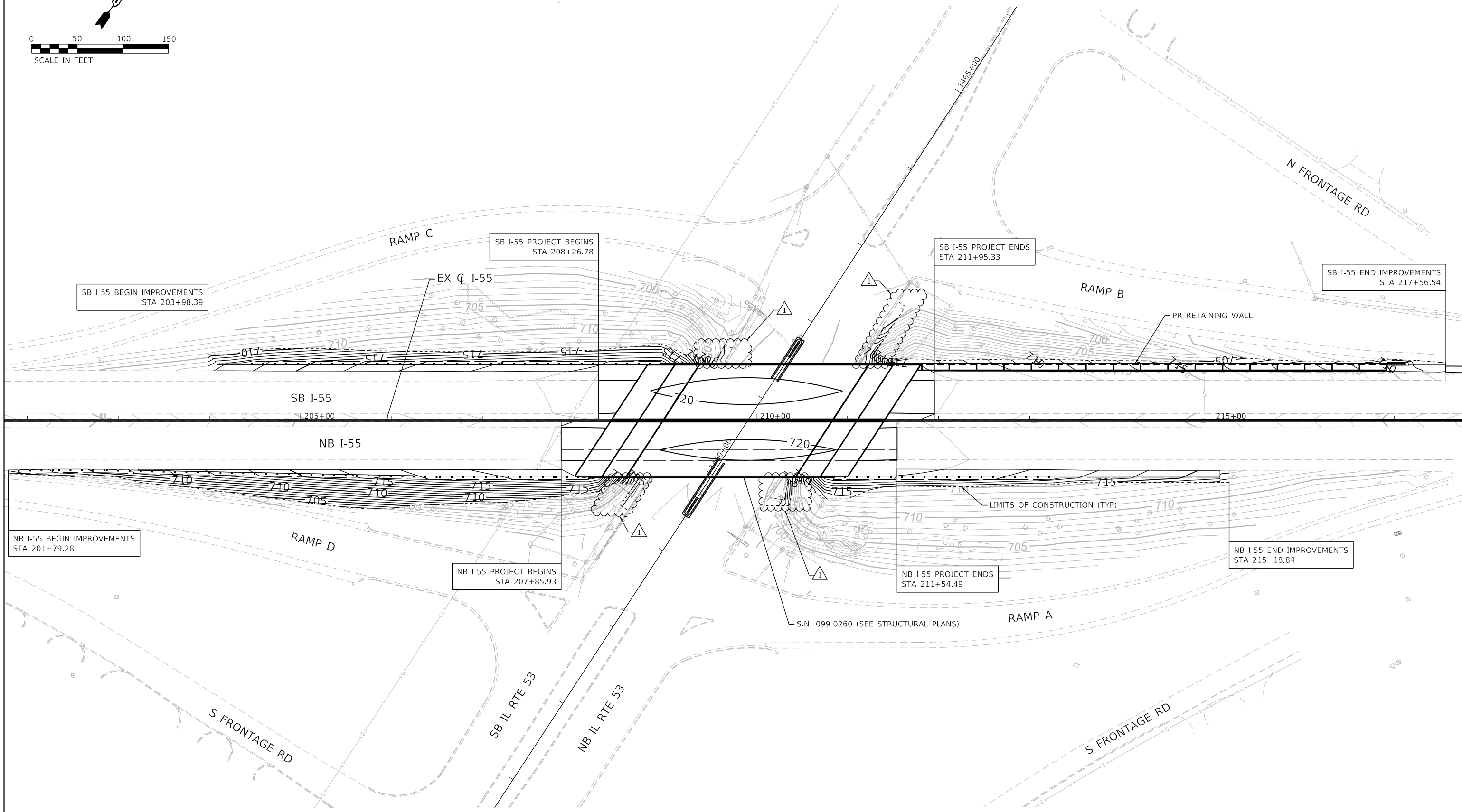
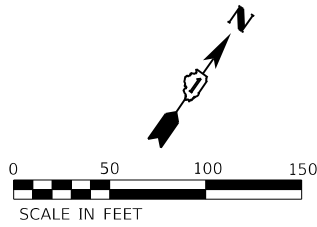
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	PLOT DATE = 5/28/2021	CHECKED - ST	REVISED -
		DATE - 4/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**F.A.I. ROUTE 55 (I-55)  
S.N. 099-0028 EROSION CONTROL & LANDSCAPING PLAN**

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. 294+90.72 TO STA. 317+52.17

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2018-043-BD&BJR	WILL	430	111
			CONTRACT NO. 62H03	
ILLINOIS FED. AID PROJECT				



REVISION 1 REVISED SHEET 5/27/2021

**LIN ENGINEERING, LTD.**  
Consulting Engineers  
Westmont, Illinois

USER NAME = rober	DESIGNED - RC	REVISED - 04/21/2021 RC
PLOT SCALE = 100.0000' / in.	DRAWN - RC	REVISED -
PLOT DATE = 5/21/2021	CHECKED - ST	REVISED -
	DATE - 4/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**F.A.I. ROUTE 55 (I-55)  
S.N. 099-0260 GRADING PLAN**

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. 201+79.28 TO STA. 217+56.54

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2018-043-BD&BJR	WILL	430	112
			CONTRACT NO. 62H03	
ILLINOIS FED. AID PROJECT				

**GENERAL NOTES**

- Fasteners shall be ASTM F3125 Grade A325 Type 1, mechanically galvanized bolts. Bolts 7/8 in. dia., holes 1 1/16 in. dia., unless otherwise noted.
- Calculated weight of Structural Steel:  
Grade 50 = 95,050 lbs.  
Grade 36 = 5,360 lbs. (Prop. Diaphragms and Connecting Angles)
- Reinforcement bars designated (E) shall be epoxy coated.
- Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.  
  
As directed by the Engineer, existing construction accessories welded to the top flange of beams and beams shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding 1#4 in. deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.
- 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 additional quantity furnished at the unit price bid for the work.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance 1/8" (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
- Concrete Sealer shall be applied to the designated areas of the Pier and Abutments.
- Slip forming of parapets will not be allowed.
- No field welding is permitted except as specified in the contract documents.
- The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
- All new structural steel shall be shop painted with an inorganic zinc rich primer per AASHTO M 300, Type 1.
- Cleaning and painting of the existing and new structural steel shall be as specified in the special provisions for "Cleaning and Painting Existing Steel Structures". All existing and new steel shall be cleaned per Near White Blast Cleaning - SSPC-SP10. All existing and new steel shall be painted according to the requirements of Paint System 1 - 0Z/E/U. The color of the final finish coat for all interior steel surfaces shall be Gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Reddish Brown, Munsell No. 2.5YR 3/4.
- A minimum of (2) air monitors will be required to monitor abrasive blasting operation at this site. See special provisions for "Containment and Disposal of Lead Paint Cleaning Residues".

**INDEX OF SHEETS**

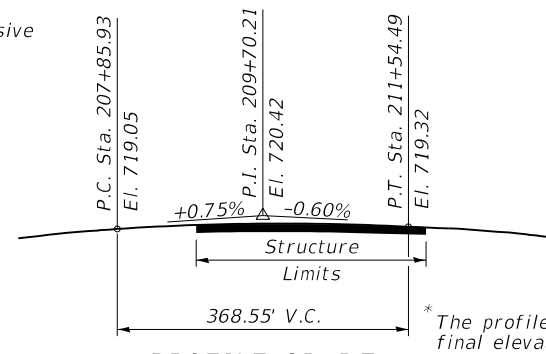
- SA-1 General Plan and Elevation
- SA-2 General Data
- SA-3 Temporary Soil Retention System and Temporary Support System
- SA-4 Existing Structure Removal Details
- SA-5 Bridge Construction Staging I
- SA-6 Bridge Construction Staging II
- SA-7 Bridge Construction Staging III
- SA-8 Bridge Construction Staging IV
- SA-9 Temporary Barrier Details
- SA-10 Top of Slab Elevations
- SA-11 SB Top of Slab Elevations I
- SA-12 SB Top of Slab Elevations II
- SA-13 NB Top of Slab Elevations I
- SA-14 NB Top of Slab Elevations II
- SA-15 Top of Approach and Vaulted Slab Elevations
- SA-16 Top of West Approach and Vaulted Slab Elevations
- SA-17 Top of East Approach and Vaulted Slab Elevations
- SA-18 Deck and Cross-Section
- SA-19 Superstructure Details I
- SA-20 Superstructure Details II
- SA-21 Diaphragm Details
- SA-22 Vaulted Slab Plan and Cross-Section
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- SA-24 NB Bridge Approach Slab Plan
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- SA-27 Approach Slab Details II
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- SA-29 Modified Preformed Joint Strip Seal
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- SA-32 Framing Plan
- SA-33 Structural Steel Details I
- SA-34 Structural Steel Details II
- SA-35 Structural Steel Details III
- SA-36 Structural Steel Repair Details
- SA-37 Proposed Girder Bearing Details
- SA-38 Existing Girder Bearing Details
- SA-39 Abutment Repair Details
- SA-40 Abutment Removal Details
- SA-41 West Abutment Details
- SA-42 East Abutment Details
- SA-43 Abutment Details I
- SA-44 Abutment Details II
- SA-45 Pier Repair Details
- SA-46 Pier Extension Details I
- SA-47 Pier Extension Details II
- SA-48 Slopewall Repair Details
- SA-49 Bar Splicer Assembly Details
- SA-50 Metal Shell Pile Details
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- SA-54 Existing Bridge Details IV
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- SA-57 Existing Bridge Details VII
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- SA-60 Existing Bridge Details X
- SA-61 Existing Bridge Details XI
- SA-62 Soil Boring Logs I
- SA-63 Soil Boring Logs II
- SA-64 Soil Boring Logs III
- SA-65 Soil Boring Logs IV
- SA-66 Soil Boring Logs V

**TOTAL BILL OF MATERIAL**

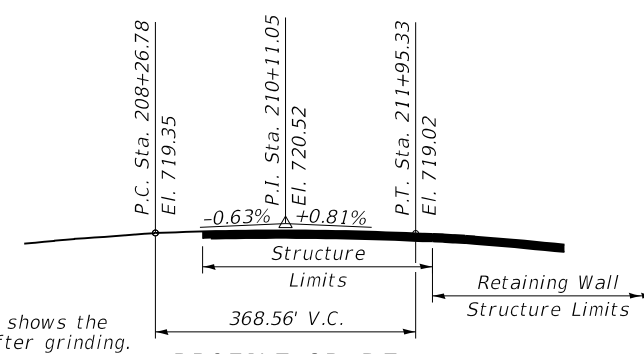
DESCRIPTION	UNIT	SP	SUB	SUPER	TOTAL
Aggregate Subgrade Improvement	Cu Yd		96		96
Concrete Removal	Cu Yd		51		50.5
Slope Wall Removal	Sq Yd		82.0		82
Removal Of Existing Concrete Deck No. 1	Each			1	1
Structure Excavation	Cu Yd		859		859
Removal And Disposal Of Unsuitable Material For Structures	Cu Yd		96		96
Concrete Structures	Cu Yd		415.4		415.4
Concrete Superstructure	Cu Yd			1,115.0	1,115.0
Protective Coat	Sq Yd			4,682	4,682
Concrete Superstructure (Approach Slab)	Cu Yd			354.2	354.2
Furnishing And Erecting Structural Steel	L Sum			0.1	0.1
Stud Shear Connectors	Each			2,508	2,508
Reinforcement Bars, Epoxy Coated	Pound		25,860	475,830	501,690
Bar Splicers	Each			2,108	2,108
Mechanical Splicers	Each			12	12
Slope Wall 4 Inch	Sq Yd			111	111
Furnishing Metal Shell Piles 12" X 0.250"	Foot			125	125
Driving Piles	Foot			125	125
Test Pile Metal Shells	Each			4	4
Name Plates	Each			2	2
Preformed Joint Seal 2 1/2"	Foot			301	301
Preformed Joint Strip Seal	Foot			296	296
Elastomeric Bearing Assembly, Type I	Each			32	32
Anchor Bolts, 1"	Each			20	20
Temporary Soil Retention System	Sq Ft			3,558	3,558
Granular Backfill For Structures	Cu Yd			283	283
Concrete Sealer	Sq Ft			2,690	2,690
Epoxy Crack Injection	Foot			126	126
Bridge Deck Grooving (Longitudinal)	Sq Yd	*		2,377	2,377
Jack And Remove Existing Bearings	Each	*		24	24
Structural Steel Repair	Pound	*		770	770
Removal Of Existing Bearings	Each	*		4	4
Containment And Disposal Of Lead Paint Cleaning Residues No. 1	L Sum	*		1	1
Cleaning And Painting Steel Bridge No. 1	L Sum	*		1	1
Structural Repair Of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq Ft	*		1,554	1,554
Structural Repair Of Concrete (Depth Greater Than 5 Inches)	Sq Ft	*		96	96
Drainage Scuppers, DS-11	Each	*		4	4
Drainage Scuppers, DS-12	Each	*		4	4
Diamond Grinding (Bridge Section)	Sq Yd	*		3,083	3,083
Temporary Shoring And Cribbing	Each	*		4	4
Temporary Support System	L Sum	*		1	1

	S.B. IL-53	N.B. IL-53
"X1"	1459+25.47	1459+69.39
"X2"	1461+71.08	1462+18.75
"Y1"	701.28	701.13
"Y2"	700.29	700.16

**PROFILE GRADE**  
(along S.B. & N.B. F.A.P. 112 (IL-53) P.G.L.)



**PROFILE GRADE**  
(along N.B. F.A.I. 55 P.G.L.)\*



**PROFILE GRADE**  
(along S.B. F.A.I. 55 P.G.L.)\*

STATION 209+90.63  
REBUILT 202 BY  
STATE OF ILLINOIS  
F.A.I. RTE. 55 (NB & SB) - SEC. 2018-043-BD&BJR  
LOADING HS20 & ALT  
STRUCTURE NO. 099-0260

Existing Name Plate shall be cleaned and relocated next to new Name Plate. Cost included with Name Plates.

**NAME PLATE**  
See Std. 515001

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USER NAME = Structural	DESIGNED - RA	REVISED - 05/27/2021 - RA
DRAWN - SBA	REVISIONS -	
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PLOT DATE = 5/27/2021	DATE - 3/16/2021	REVISIONS -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL DATA  
STRUCTURE NO. 099-0260

SHEET SA-2 OF SA-66 SHEETS

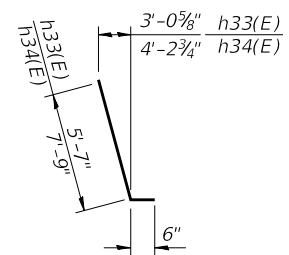
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CONTRACT NO.			62H03	
ILLINOIS		FED. AID PROJECT		



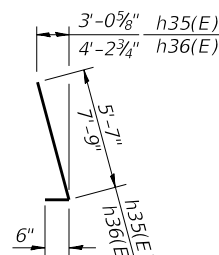
**FOUR ABUTMENTS AND  
FOUR BENT EXTENSIONS  
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h30(E)	22	#6	11'-4"	—
h31(E)	10	#5	12'-2"	—
h32(E)	12	#5	9'-10"	—
h33(E)	36	#5	6'-1"	L
h34(E)	24	#5	8'-3"	L
h35(E)	36	#5	6'-1"	J
h36(E)	24	#5	8'-3"	J
h37(E)	16	#4	5'-11"	—
h38(E)	40	#5	31'-7"	—
h39(E)	20	#5	23'-9"	—
h40(E)	40	#5	3'-11"	—
h42(E)	44	#6	12'-9"	—
h43(E)	22	#6	13'-1"	—
h44(E)	44	#6	10'-9"	—
h45(E)	12	#5	10'-9"	—
h46(E)	12	#5	6'-1"	—
h47(E)	10	#5	13'-1"	—
n30(E)	204	#7	4'-9"	U
p30(E)	40	#7	8'-1"	—
p31(E)	24	#7	1'-9"	—
s30(E)	28	#4	12'-5"	□
t30(E)	118	#5	9'-8"	—
t31(E)	64	#6	9'-8"	—
u30(E)	28	#4	6'-8"	□
v30(E)	98	#7	11'-8"	—
v31(E)	50	#6	11'-11"	—
v32(E)	44	#5	9'-4"	L
v33(E)	46	#5	9'-1"	U
v34(E)	594	#5	1'-9"	—
v35(E)	24	#4	5'-0"	—
v36(E)	56	#5	15'-0"	—
v37(E)	48	#5	15'-7"	—
v38(E)	56	#5	5'-0"	—
v39(E)	300	#5	3'-9"	L
w30(E)	40	#5	15'-11"	—
w31(E)	40	#5	12'-3"	—
Removal And Disposal Of Unsuitable Material For Structures		Cu Yd	96	
Aggregate Subgrade Improvement		Cu Yd	96	
Structure Excavation		Cu Yd	774	
Concrete Structures		Cu Yd	258.3	
Reinforcement Bars, Epoxy Coated		Pound	20,820	
Furnishing Metal Shell Piles 12" X 0.250"		Foot	125	
Driving Piles		Foot	125	
Test Pile Metal Shells		Each	4	
Granular Backfill For Structures		Cu Yd	283	
Concrete Sealer		Sq Ft	1,559	

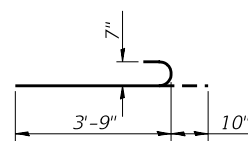
Concrete Sealer shall be applied to backwall, beam seats and front face of abutment extension.



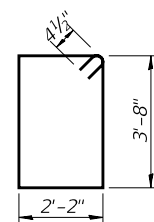
**BARS h33(E)  
& h34(E)**



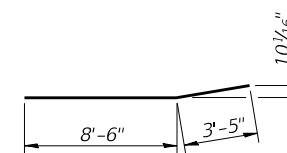
**BARS h35(E)  
& h36(E)**



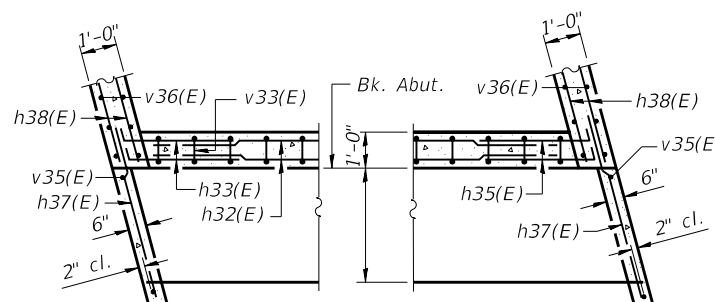
**BAR n30(E)**



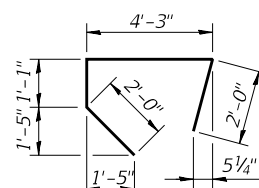
**BAR s30(E)**



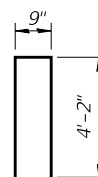
**BAR v31(E)**



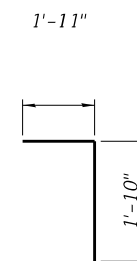
**SECTION E-E**



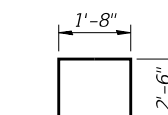
**BAR v32(E)**



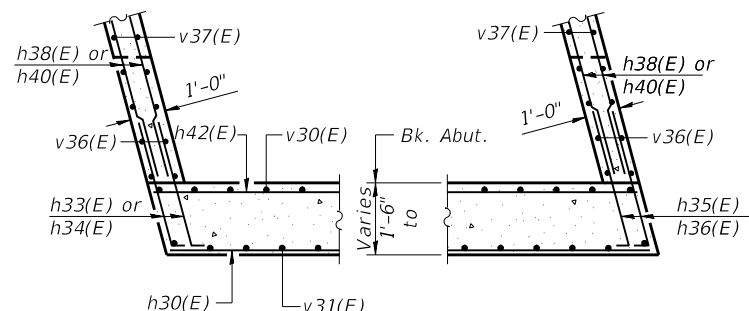
**BAR v33(E)**



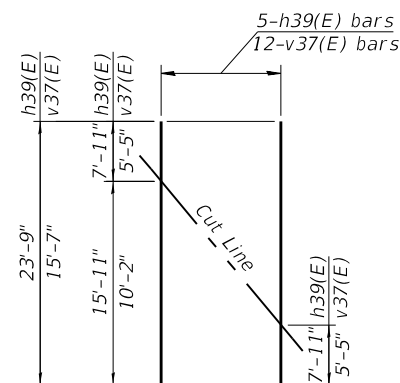
**BAR v39(E)**



**BAR u30(E)**



**SECTION F-F**



**FIELD CUTTING DIAGRAM**

\* Order h39(E) & v37(E) bars full length. Cut to fit as shown and use remainder of bars in other face.

**NORTHEAST APPR. BENT- PILE DATA**

Type: Metal Shell 12"x0.25"  
Nominal Required Bearing: 180 kips  
Allowable Resistance Available: 60 kips  
Est. Length: 31'-0"  
No. Production Piles: 1  
No. Test Piles: 1

**NORTHWEST APPR. BENT- PILE DATA**

Type: Metal Shell 12"x0.25"  
Nominal Required Bearing: 180 kips  
Allowable Resistance Available: 60 kips  
Est. Length: 32'-0"  
No. Production Piles: 1  
No. Test Piles: 1

**SOUTHEAST APPR. BENT- PILE DATA**

Type: Metal Shell 12"x0.25"  
Nominal Required Bearing: 180 kips  
Allowable Resistance Available: 60 kips  
Est. Length: 32'-0"  
No. Production Piles: 1  
No. Test Piles: 1

**SOUTHWEST APPR. BENT- PILE DATA**

Type: Metal Shell 12"x0.25"  
Nominal Required Bearing: 180 kips  
Factored Resistance Available: 60 kips  
Est. Length: 30'-0"  
No. Production Piles: 1  
No. Test Piles: 1

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PLOT DATE = 5/27/2021	CHECKED - BWS	REVISED -
	DATE - 3/16/2021	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2018-043-BD&BJR	WILL	430	244
CONTRACT NO.			62H03	
ILLINOIS FED. AID PROJECT				

**GENERAL NOTES**

- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the additional quantity furnished at the unit price bid for the work.
- Reinforcement bars designated (E) shall be epoxy coated.
- Protective coat shall be applied to exposed surfaces of the parapet and Anchorage slab and concrete sealer shall be applied to exposed surfaces of the wall face.
- Existing utilities in conflict with retaining wall construction shall be protected or relocated according to directions given on the roadway plans.
- The CONTRACTOR shall exercise extreme caution during wall construction to make certain that construction activities, live load surcharge, and other loads applied to the wall will not have detrimental effects on the adjacent structures, buildings, and utilities.
- Slipforming of parapet is not allowed.
- The CONTRACTOR shall take all necessary precautions not to contaminate groundwater during the drilled shaft construction operation. CONTRACTOR is responsible for the proper containment and disposal of the contaminated groundwater and spoils resulting from Contractor's means and methods. No additional cost will be paid for this effort.
- Limited groundwater elevation data is available in the borings logs. In addition, groundwater may also be present in deeper granular layers. The groundwater may rise in the shafts to an elevation above the top of granular layers. The Contractor will not be compensated for issues related to the groundwater elevation.
- The CONTRACTOR shall provide a method to assure the soldier piles achieve at least the plan tip elevations. The soldier pile locations and elevations shall meet the tolerances provided in the Standard Specifications. Any additional measures required to satisfy the construction tolerances will not be paid for separately but shall be included in Drilling and Setting Soldier Piles (in Soil).
- Any storage of construction equipment and material behind the wall is not allowed.

**TOTAL BILL OF MATERIAL**

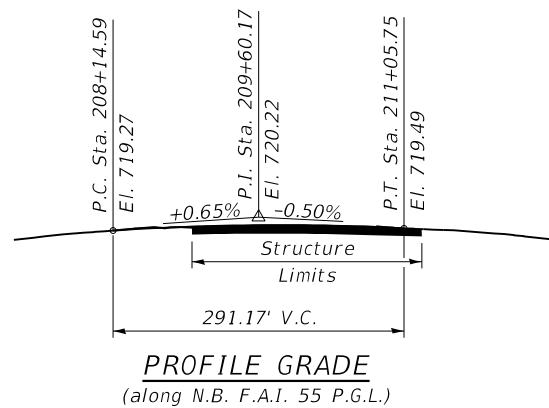
Description	Unit	Qty.
Concrete Removal	Cu Yd	59.5
Structure Excavation	Cu Yd	200
Concrete Structures	Cu Yd	290.1
Concrete Superstructure	Cu Yd	73.1
Protective Coat	Sq Yd	557
Stud Shear Connectors	Each	448
Reinforcement Bars, Epoxy Coated	Pound	53,380
Name Plates	Each	1
Furnishing Soldier Piles (Hp Section)	Foot	667
Furnishing Soldier Piles (W Section)	Foot	1,457
Drilling And Setting Soldier Piles (In Soil)	Cu Ft	8,483
Untreated Timber Lagging	Sq Ft	3,079
Concrete Sealer	Sq Ft	3,758
Geocomposite Wall Drain	Sq Yd	230
Pipe Underdrains For Structures 4"	Foot	544

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- SB-1 General Plan and Elevation
- SB-2 General Data
- SB-3 Soldier Pile Retaining Wall Details
- SB-4 Soldier Pile Data
- SB-5 Retaining Wall Plan and Elevation I
- SB-6 Retaining Wall Plan and Elevation II
- SB-7 Retaining Wall Plan and Elevation III
- SB-8 Retaining Wall Plan and Elevation IV
- SB-9 Anchorage Slab Details I
- SB-10 Anchorage Slab Details II
- SB-11 Bill of Materials
- SB-12 Soil Boring Logs I
- SB-13 Soil Boring Logs II
- SB-14 Soil Boring Logs III

**SEQUENCE OF CONSTRUCTION**

- Locate existing utilities that are to remain. Contractor to coordinate any required improvements to, or removals of, existing utilities with utility owner.
- Remove portions of the existing Retaining Wall as shown on SB-3.
- Drill for Soldier Pile shafts, install soldier piles and concrete encasement.
- Excavate earth in front and perform excavation for Retaining Wall (SN 099-W100). Install timber lagging between soldier pile shafts.
- Construct concrete fascia as shown in the plans.



STATION 211+52.38 TO 216+91.73  
 BUILT 202\_ BY  
 STATE OF ILLINOIS  
 F.A.I. RTE. 55  
 SEC. 2018-043-BD&BJR  
 STRUCTURE NO. 099-W100

For Mounting See Sheet SB-01

**NAME PLATE**  
 See Std. 515001

REVISED SHEET 5/26/2021

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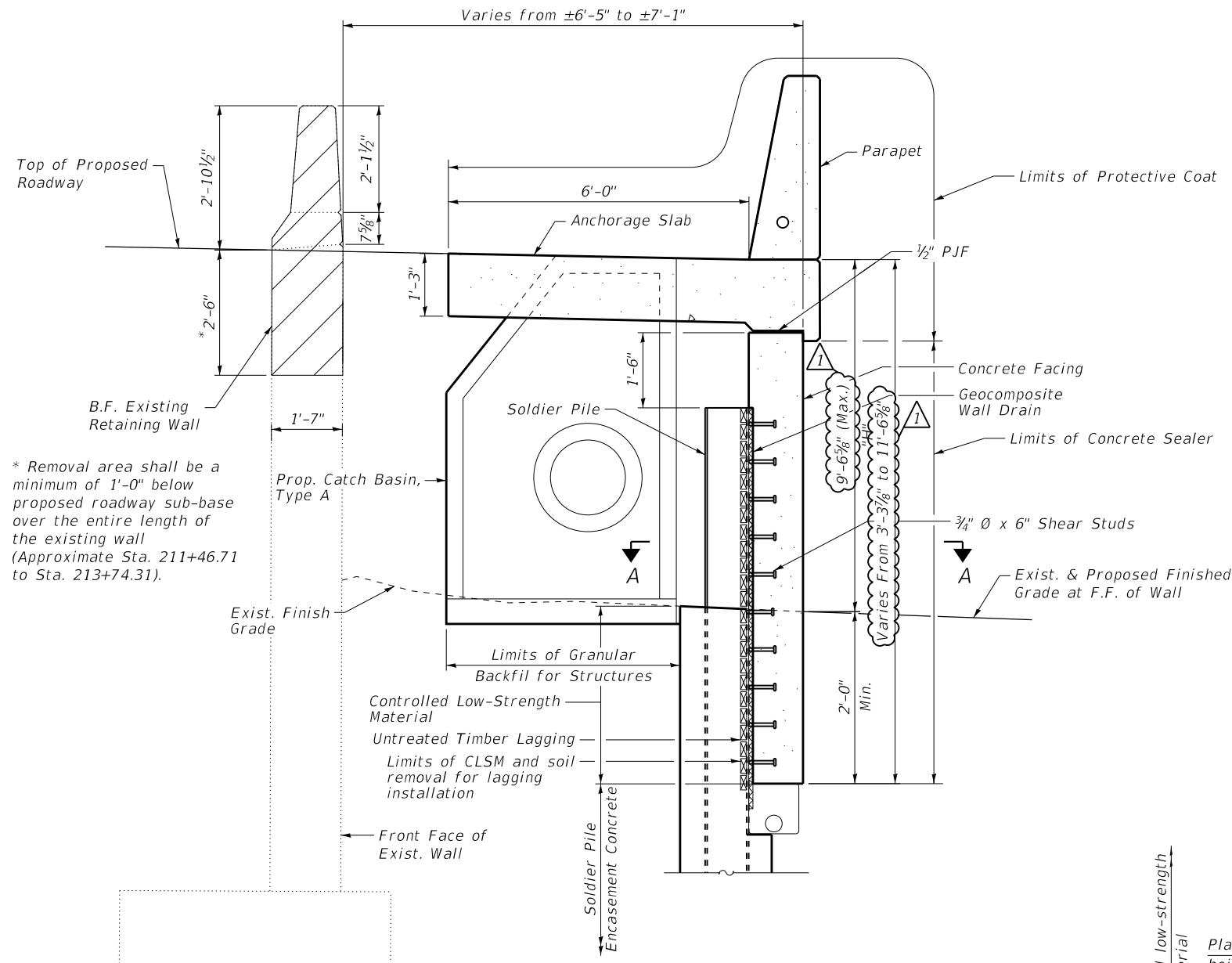
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

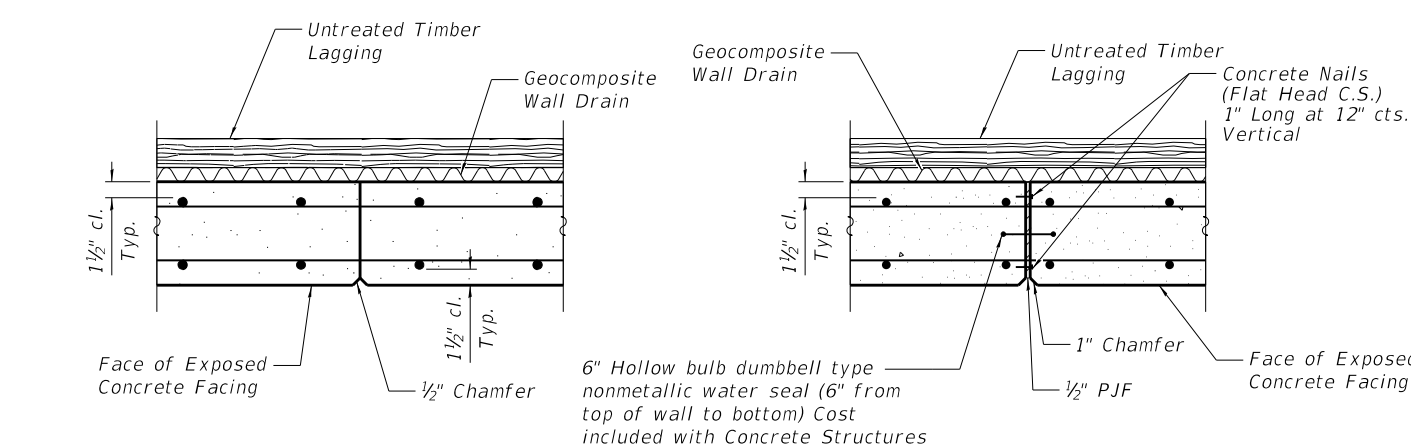
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SHEET SB-2 OF SB-14 SHEETS

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CONTRACT NO.			62H03	
ILLINOIS FED. AID PROJECT				

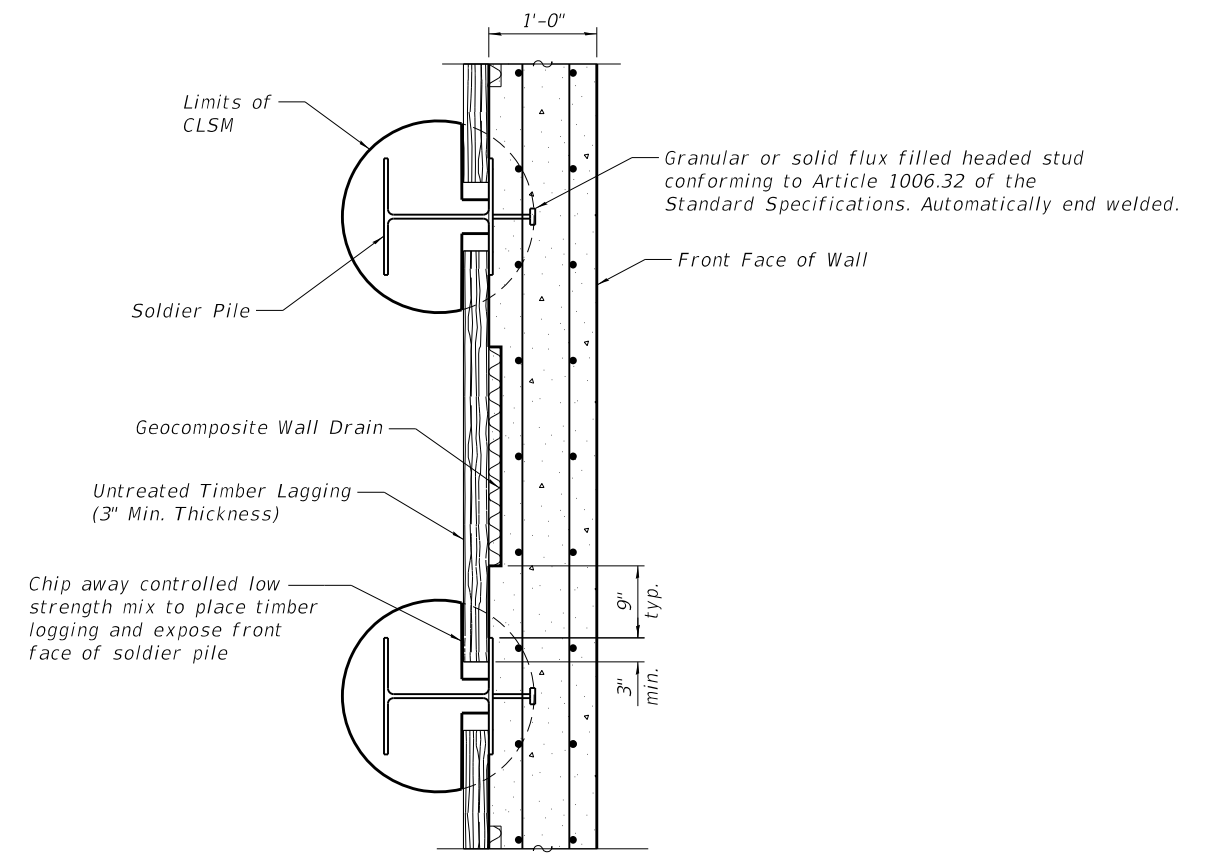


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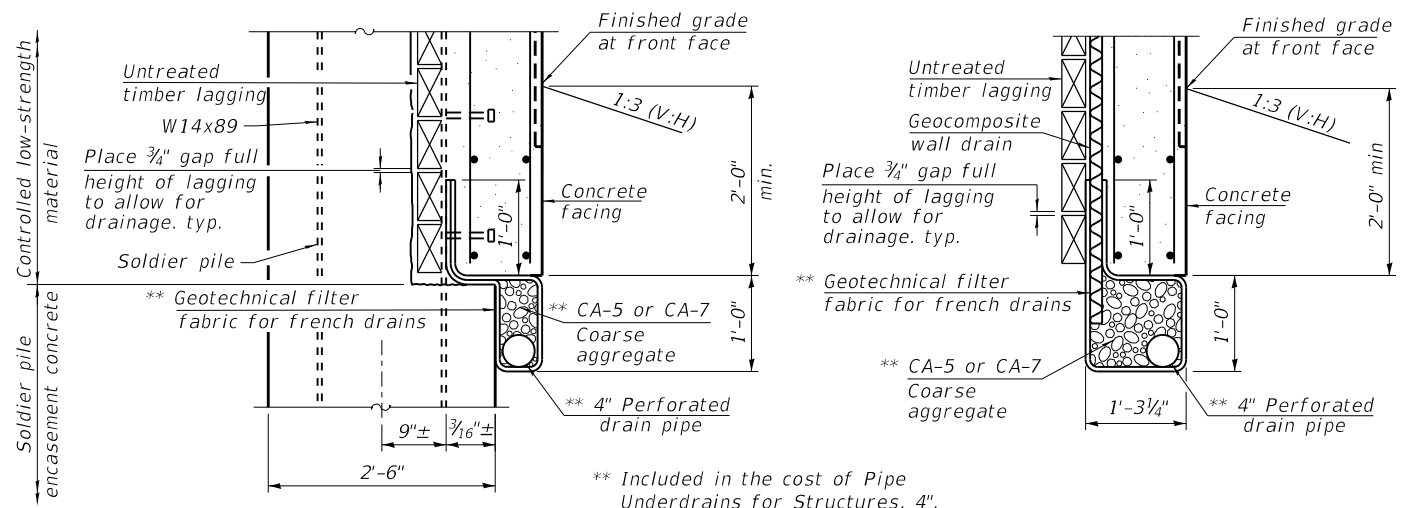


CONSTRUCTION JOINT

EXPANSION JOINT



SECTION A-A  
Catch Basin not shown for clarity



PIPE UNDERDRAIN DETAIL

LEGEND



NOTES:

- Concrete facing and Anchorage slab, paid for as Concrete Structures. Parapet paid for as Concrete Superstructures.
- The CONTRACTOR is responsible for the design and performance of the lagging using no less than 3 in. nominal rough-sawn thickness and timber with a minimum allowable bending stress of 1,000 psi.
- For Section thru Anchorage Slab, see sheet SB-10.

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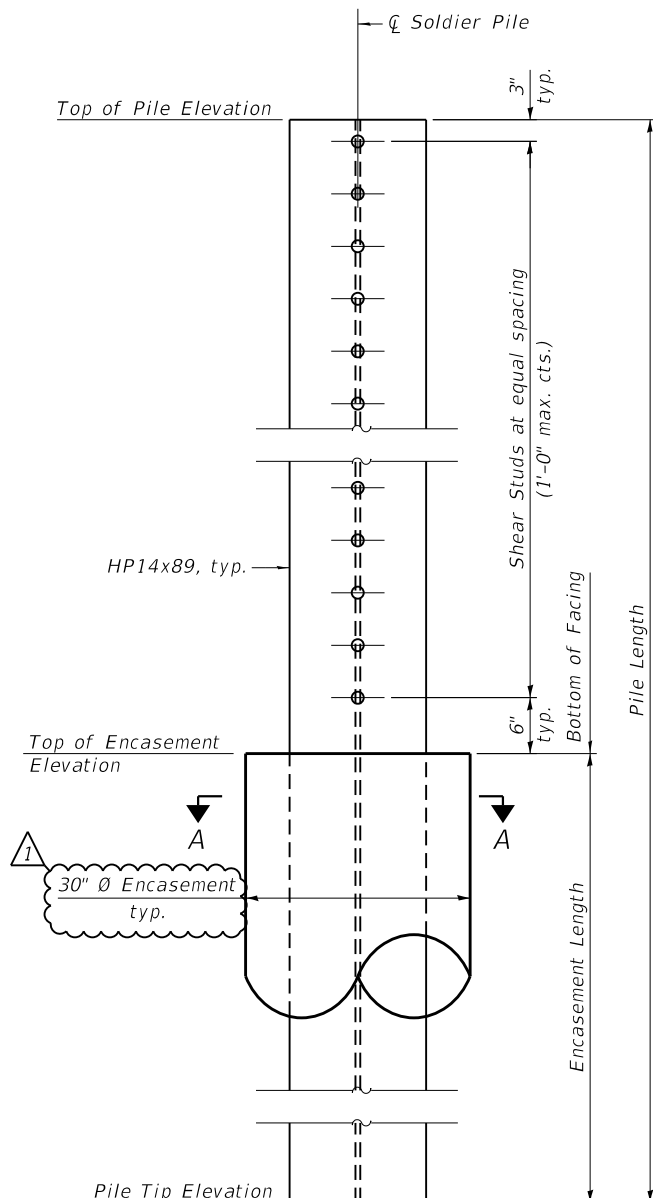
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOLDIER PILE RETAINING WALL DETAILS  
STRUCTURE NO. 099-W100

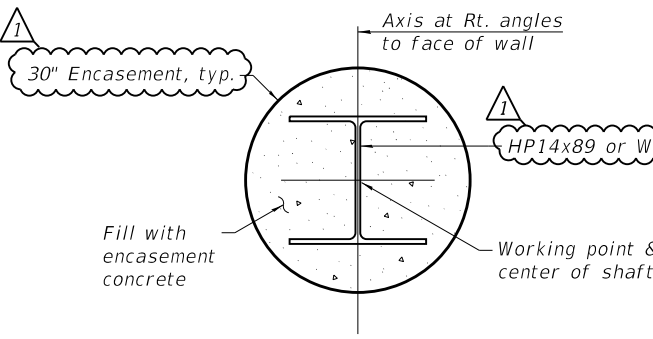
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO.			62H03	
ILLINOIS FED. AID PROJECT				

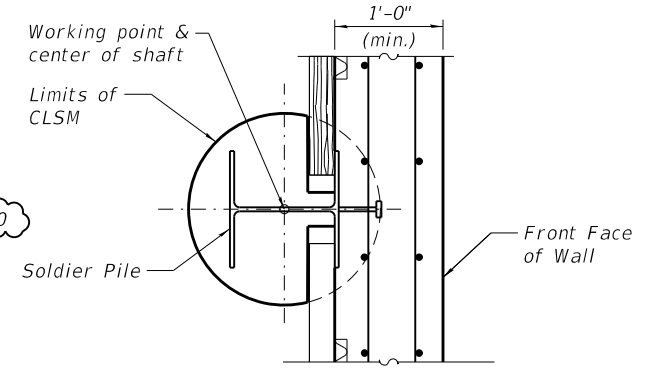
REVISED SHEET 5/26/2021



**SOLDIER PILE ELEVATION AND SHEAR STUD CONNECTION DETAILS**



**SECTION A-A**



**SOLDIER PILE WORKING POINT**

Note:  
1. Stations and offsets are measured from  $\zeta$  I-55 to the working point.

Panel	Pile	Shape	Station	Offset to W.P. (Ft.)	Top of Fascia Panel	Top of Pile Elev.	Bott. Of Panel Elev.	Pile Tip Elev.	Pile Length	Number of Shear Connectors
1	P-01	HP14x89	211+55.48	-60.73	717.82	716.32	713.56	691.06	25'-3.125"	4
	P-02	HP14x89	211+62.98	-60.73	717.84	716.34	713.14	690.64	25'-8.5"	4
	P-03	HP14x89	211+70.48	-60.73	717.79	716.29	712.96	690.46	25'-10"	4
	P-04	HP14x89	211+77.98	-60.74	717.62	716.12	712.78	690.28	25'-10"	4
2	P-05	HP14x89	211+85.48	-60.74	717.24	715.74	712.50	690.00	25'-8.875"	4
	P-06	HP14x89	211+92.98	-60.74	717.18	715.68	712.22	689.72	25'-11.5"	4
	P-07	HP14x89	212+00.48	-60.74	717.12	715.62	711.99	689.49	26'-1.625"	4
3	P-08	HP14x89	212+07.98	-60.75	717.05	715.55	711.80	689.30	26'-3"	4
	P-09	HP14x89	212+15.48	-60.75	716.98	715.48	711.58	689.08	26'-4.875"	5
	P-10	HP14x89	212+22.98	-60.75	716.90	715.40	711.36	688.86	26'-6.625"	5
4	P-11	HP14x89	212+30.48	-60.75	716.83	715.33	711.14	688.64	26'-8.375"	5
	P-12	HP14x89	212+37.98	-60.76	716.76	715.26	710.91	688.41	26'-10.125"	5
5	P-13	HP14x89	212+45.48	-60.76	716.68	715.18	710.48	687.98	27'-2.5"	5
	P-14	HP14x89	212+52.98	-60.76	716.60	715.10	710.20	687.70	27'-4.875"	6
	P-15	HP14x89	212+60.48	-60.76	716.51	715.01	709.92	687.42	27'-7.125"	6
	P-16	HP14x89	212+67.98	-60.77	716.41	714.91	709.65	687.15	27'-9.25"	6
6	P-17	W18x130	212+75.48	-60.59	716.32	714.82	709.37	684.54	30'-3.5"	6
	P-18	W18x130	212+82.98	-60.59	716.23	714.73	709.12	684.29	30'-5.25"	6
	P-19	W18x130	212+90.48	-60.59	716.14	714.64	708.85	684.02	30'-7.375"	7
	P-20	W18x130	212+97.98	-60.60	716.04	714.54	708.55	683.72	30'-10"	7
7	P-21	W18x130	213+05.48	-60.60	715.94	714.44	708.24	683.41	31'-0.375"	7
	P-22	W18x130	213+12.98	-60.60	715.83	714.33	707.95	683.12	31'-2.5"	7
	P-23	W18x130	213+20.48	-60.60	715.72	714.22	707.65	682.82	31'-4.75"	7
	P-24	W18x130	213+27.98	-60.61	715.61	714.11	707.35	682.52	31'-7.125"	8
8	P-25	W18x130	213+35.48	-60.61	715.50	714.00	707.05	682.22	31'-9.375"	8
	P-26	W18x130	213+42.98	-60.61	715.39	713.89	706.75	681.92	31'-11.75"	8
	P-27	W18x130	213+50.48	-60.61	715.28	713.78	706.51	681.68	32'-1.25"	8
	P-28	W18x130	213+57.98	-60.62	715.18	713.68	706.26	681.43	32'-3.125"	8
9	P-29	W18x130	213+65.48	-60.62	715.09	713.59	706.01	681.18	32'-4.875"	8
	P-30	W18x130	213+72.98	-60.62	714.99	713.49	705.75	680.92	32'-6.875"	8
	P-31	W18x130	213+80.48	-60.63	714.89	713.39	705.49	680.66	32'-8.75"	9
	P-32	W18x130	213+87.98	-60.63	714.79	713.29	705.25	680.42	32'-10.625"	9
10	P-33	W18x130	213+95.48	-60.63	714.70	713.20	704.99	678.20	34'-12"	9
	P-34	W18x130	214+02.98	-60.63	714.58	713.08	704.79	678.00	35'-1"	9
	P-35	W18x130	214+10.48	-60.64	714.44	712.94	704.62	677.83	35'-1.5"	9
	P-36	W18x130	214+17.98	-60.64	714.30	712.80	704.43	677.64	35'-2"	9
11	P-37	W18x130	214+25.48	-60.64	714.16	712.66	704.25	677.46	35'-2.5"	9
	P-38	W18x130	214+32.98	-60.64	714.02	712.52	704.08	677.29	35'-2.875"	9
	P-39	W18x130	214+40.48	-60.65	713.88	712.38	703.91	677.12	35'-3.25"	9
	P-40	W18x130	214+47.98	-60.65	713.74	712.24	703.80	677.01	35'-2.875"	9
12	P-41	W18x130	214+55.48	-60.65	713.59	712.09	703.68	676.89	35'-2.375"	9
	P-42	W18x130	214+62.98	-60.65	713.42	711.92	703.65	676.86	35'-0.75"	9
	P-43	W18x130	214+70.48	-60.66	713.26	711.76	703.55	676.76	34'-12"	9
	P-44	W18x130	214+77.98	-60.66	713.10	711.60	703.45	676.66	34'-11.25"	9
13	P-45	W18x130	214+85.48	-60.66	712.93	711.43	703.35	676.56	34'-10.625"	9
	P-46	W18x130	214+92.98	-60.66	712.77	711.27	703.27	676.48	34'-9.5"	9
	P-47	W18x130	215+00.48	-60.67	712.61	711.11	703.32	676.53	34'-7"	9
	P-48	W18x130	215+07.98	-60.67	712.47	710.97	703.41	676.62	34'-4.375"	8
14	P-49	W18x130	215+15.48	-60.67	712.34	710.84	703.50	676.71	34'-1.625"	8
	P-50	W18x130	215+22.98	-60.67	712.20	710.70	703.59	676.80	33'-11"	8
	P-51	W18x130	215+30.48	-60.68	712.07	710.57	703.68	676.89	33'-8.125"	8
	P-52	W18x130	215+37.98	-60.68	711.93	710.43	703.79	677.00	33'-5.25"	7
15	P-53	W18x130	215+45.48	-60.68	711.80	710.30	703.94	677.15	33'-1.875"	7
	P-54	W18x130	215+52.98	-60.68	711.66	710.16	704.17	677.38	32'-9.5"	7
	P-55	W18x130	215+60.48	-60.69	711.52	710.02	704.43	677.64	32'-4.625"	6
	P-56	W18x130	215+67.98	-60.69	711.38	709.88	704.68	677.89	31'-11.875"	6
16	P-57	W18x130	215+75.48	-60.69	711.24	709.74	704.94	678.15	31'-7.125"	6
	P-58	W18x130	215+82.98	-60.70	711.10	709.60	705.19	678.40	31'-2.375"	5
	P-59	W18x130	215+90.48	-60.70	710.96	709.46	705.21	678.42	31'-0.5"	5
	P-60	W18x130	215+97.98	-60.70	710.82	709.32	705.47	678.68	30'-7.75"	5
17	P-61	HP14x89	216+05.48	-60.88	710.66	709.16	705.59	687.20	21'-11.625"	4
	P-62	HP14x89	216+12.98	-60.89	710.50	709.00	705.72	687.33	21'-8.125"	4
	P-63	HP14x89	216+20.48	-60.89	710.34	708.84	705.84	687.45	21'-4.875"	4
	P-64	HP14x89	216+27.98	-60.89	710.18	708.68	705.96	687.57	21'-1.375"	3
18	P-65	HP14x89	216+35.48	-60.89	710.03	708.53	706.37	687.98	20'-6.625"	3
	P-66	HP14x89	216+42.98	-60.90	709.87	708.37	706.46	688.07	20'-3.625"	3
	P-67	HP14x89	216+50.48	-60.90	709.70	708.20	706.56	688.17	20'-0.5"	2
	P-68	HP14x89	216+57.98	-60.90	709.47	707.97	706.59	688.20	19'-9.375"	2
19	P-69	HP14x89	216+65.48	-60.90	709.24	707.74	706.61	688.22	19'-6.25"	2
	P-70	HP14x89	216+72.98	-60.91	709.01	707.51	706.63	688.24	19'-3.25"	2
	P-71	HP14x89	216+80.48	-60.91	708.78	707.28	706.65	688.26	19'-0.25"	1
	P-72	HP14x89	216+87.98	-60.91	708.55	707.05	706.68	688.29	18'-9.125"	1

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SOLDIER PILE DATA  
STRUCTURE NO. 099-W100**

SHEET SB-4 OF SB-14 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2018-043-BD&BJR	DUPAGE	430	270
CONTRACT NO. 62H03				
ILLINOIS FED. AID PROJECT				

RETAINING WALL BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
h100(E)	90	# 5	33'-7"	————
h101(E)	200	# 5	31'-8"	————
h102(E)	12	# 5	29'-0"	————
v101(E)	31	# 5	7'-9"	————
v102(E)	31	# 5	9'-1"	————
v103(E)	31	# 5	10'-4"	————
v104(E)	31	# 5	11'-10"	————
v105(E)	31	# 5	13'-5"	————
v106(E)	31	# 5	14'-11"	————
v107(E)	31	# 5	16'-4"	————
v108(E)	31	# 5	17'-7"	————
v109(E)	31	# 5	18'-6"	————
v110(E)	31	# 5	18'-9"	————
v111(E)	31	# 5	18'-6"	————
v112(E)	31	# 5	17'-6"	————
v113(E)	31	# 5	15'-11"	————
v114(E)	31	# 5	13'-5"	————
v115(E)	31	# 5	10'-8"	————
v116(E)	31	# 5	8'-1"	————
v117(E)	31	# 5	5'-8"	————
v118(E)	31	# 5	3'-8"	————
Structure Excavation			Cu Yd	200
Concrete Structures			Cu Yd	139.2
Stud Shear Connectors			Each	448
Reinforcement Bars, Epoxy Coated			Pound	10,380
Furnishing Soldier Piles (Hp Section)			Foot	667
Furnishing Soldier Piles (W Section)			Foot	1,457
Drilling And Setting Soldier Piles (In Soil)			Cu Ft	8,483
Untreated Timber Lagging			Sq Ft	3,079
Concrete Sealer			Sq Ft	3,758
Geocomposite Wall Drain			Sq Yd	230
Pipe Underdrains For Structures 4"			Foot	544

1

1

ANCHORAGE SLAB AND PARAPET BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
a100(E)	869	# 5	8'-1"	└──┬──
a101(E)	438	# 5	7'-1"	————
a102(E)	12	# 5	6'-10"	————
a103(E)	24	# 7	5'-2"	————
a104(E)	24	# 7	5'-8"	————
b101(E)	243	# 5	32'-4"	————
b103(E)	6	# 5	5'-9"	————
b104(E)	3	# 5	1'-0"	————
d100(E)	763	# 5	7'-0"	┆
d101(E)	763	# 5	7'-11"	┆└──
d102(E)	9	# 6	5'-3"	└──┬──
d103(E)	18	# 6	8'-11"	└──┬──┬──
e100(E)	272	# 4	14'-8"	————
e101(E)	68	# 4	31'-10"	————
e102(E)	8	# 4	7'-2"	————
e104(E)	12	# 4	1'-0"	————
Concrete Structures			Cu Yd	150.9
Concrete Superstructure			Cu Yd	73.1
Protective Coat			Sq Yd	557
Reinforcement Bars, Epoxy Coated			Pound	43,000

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	DATE - 3/16/2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BILL OF MATERIALS  
STRUCTURE NO. 099-W100**

SHEET SB-11 OF SB-14 SHEETS

1 REVISED SHEET 5/26/2021

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2018-043-BD&BJR	DUPAGE	430	277
CONTRACT NO.			62H03	
ILLINOIS FED. AID PROJECT				

**GENERAL NOTES**

- Fasteners shall be ASTM F 3125 Grade A325 Type 1, hot dipped galvanized bolts. Bolts 1/2 in. Ø, holes 5/16 in. Ø, unless otherwise noted. See Special Provision for "Hot Dip Galvanizing for Structural Steel".
- Calculated weight of Structural Steel: AASHTO M270 Grade 50 = 808,400 lbs.
- All new structural steel shall be galvanized. See special provision for "Hot Dip Galvanizing for Structural Steel."
- All structural steel shall be AASHTO M 270 Grade 50.
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars designated (E) shall be epoxy coated
- Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shiming the bearings.
- The concrete for bridge decks finished according to Article 503.16(a) of the Standard Specifications shall be placed and compacted parallel to the skew in uniform increments along centerline of bridge. The machine used for finishing shall be set parallel to the skew for striking off and screeding the concrete.
- Concrete Sealer shall be applied to the designated areas of the substructure units.
- Existing Name Plates shall be cleaned and relocated next to the new Name Plates. Cost included with Name Plates.
- Slipforming of the parapets is not allowed.

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SC-08	Temporary Concrete Barrier for Stage Construction
SC-09	Top Of Deck Slab Elevation Plan
SC-10 - SC-18	Top Of Deck Slab Elevations I Thru IX
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SC-24	Superstructure Plan and Cross Section - NB
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SC-34 - SC-35	NB East Approach Slab Details I & II
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SC-47 - SC-48	West Abutment Modifications I & II
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SC-51	East Abutment Repairs and Removal
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SC-66	Bar Splicer Assembly and Mechanical Splicer Details
SC-67	Metal Shell Pile Details
SC-68 - SC-73	Boring Logs I Thru VI

**TOTAL BILL OF MATERIAL**

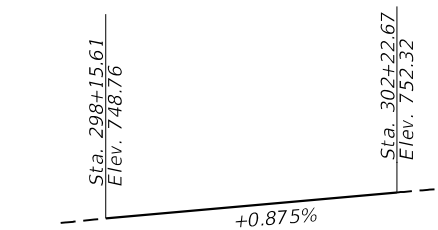
ITEM	UNIT	SUPER	SUB	TOTAL
REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1		1
CONCRETE REMOVAL	CU YD		60.3	60.3
SLOPE WALL REMOVAL	SQ YD		72	72
PROTECTIVE SHIELD	SQ YD	1,157		1,157
STRUCTURE EXCAVATION	CU YD		912	912
CONCRETE STRUCTURES	CU YD		558.7	558.7
CONCRETE SUPERSTRUCTURE	CU YD	876.2		876.2
PROTECTIVE COAT	SQ YD	4,386		4,386
CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	371.0		371.0
FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	0.9		0.9
STUD SHEAR CONNECTORS	EACH	22,617		22,617
REINFORCEMENT BARS, EPOXY COATED	POUND	411,860	53,210	465,070
BAR SPLICERS	EACH	1,677		1,677
SLOPE WALL 4 INCH	SQ YD		397	397
FURNISHING METAL SHELL PILES 14" X 0.312"	FOOT		380	380
DRIVING PILES	FOOT		380	380
TEST PILE METAL SHELL	EACH		2	2
PILE SHOES	EACH		20	20
NAME PLATES	EACH		1	1
PREFORMED JOINT SEAL 2 1/2"	FOOT	271		271
PREFORMED JOINT STRIP SEAL	FOOT	546		546
ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH		63	63
ANCHOR BOLTS, 3/4"	EACH		84	84
ANCHOR BOLTS, 1"	EACH		42	42
ANCHOR BOLTS, 1 1/4"	EACH		42	42
TEMPORARY SHEET PILING	SQ FT		2,501	2,501
TEMPORARY SOIL RETENTION SYSTEM	SQ FT		110	110
GRANULAR BACKFILL FOR STRUCTURES	CU YD		999	999
CONCRETE SEALER	SQ FT		1,954	1,954
GEOCOMPOSITE WALL DRAIN	SQ YD		417	417
BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	2,518		2,518
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT		466	466
DRAINAGE SCUPPERS, DS-11	EACH	4		4
DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	3,756		3,756
PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT		553	553

**STRUCTURAL ASSESSMENT OF EXISTING STRUCTURE NOTES:**

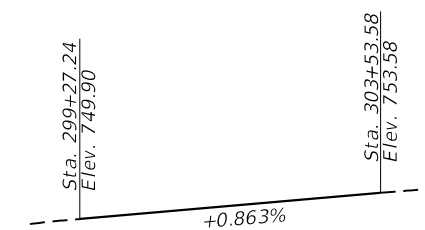
- The Contractor shall retain the services of an engineering firm, prequalified in the IDOT consultant selection category of Highway Bridges (Advanced Typical), for preparation of the Structural Assessment Report(s). Contractor's pre-approval shall not be applicable for this project. See Special Provision.  
  
Current Ratings on File for Existing Structure  
SN. 099-0028  
Inventory: HS 21.2  
Operating: HS 38.4  
Live Load Restrictions: None
- Inventory and Operating Ratings and Live Load Restrictions are provided for information only. Inventory and Operating Ratings are based on HS loading and configuration. Live Load Restrictions are based on Illinois legal loads and configurations. The Ratings and Live Load Restrictions are not necessarily representative of capacities to support the Contractor's equipment.
- The Contractor is advised that the existing structure contains members that are in a deteriorated condition with reduced load carrying capacity. It is the Contractor's responsibility to account for the condition of the existing structure when developing construction procedures for the complete or partial removal, or replacement of the structure. An Existing Structure Information Package is available upon request as noted in special provisions.

STATION 300+49.14  
RE-BUILT 20\_\_ BY  
STATE OF ILLINOIS  
F.A.I. RT. 55  
SEC. 2018-043-BD&BJR  
LOADING HL-93  
STRUCTURE NO. 099-0028

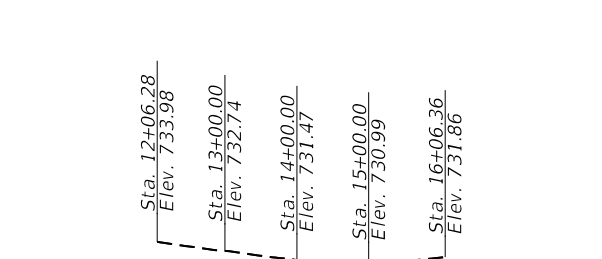
**NAME PLATE**  
See Std. 515001



**EXISTING AND PROPOSED PROFILE GRADE F.A.I. I-55 NB**



**EXISTING AND PROPOSED PROFILE GRADE F.A.I. I-55 SB**



**EXISTING PROFILE GRADE JOLIET RD.**

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**GR&E**  
8501 W. Higgins Road, Suite 280  
Chicago, Illinois 60631; (773) 399-0112

USER NAME =	Structural	DESIGNED -	K.W.	REVISED -	
		CHECKED -	H.A.	REVISED -	
PLOT SCALE =	N.T.S.	DRAWN -	O.M.	REVISED -	
PLOT DATE =	5/27/2021	CHECKED -	H.A.	REVISED -	

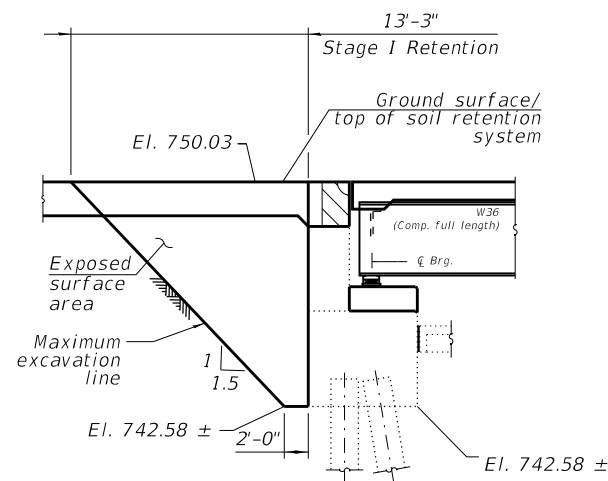
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA I  
SN 099-0028**

SHEET SC-02 OF SC-73 SHEETS

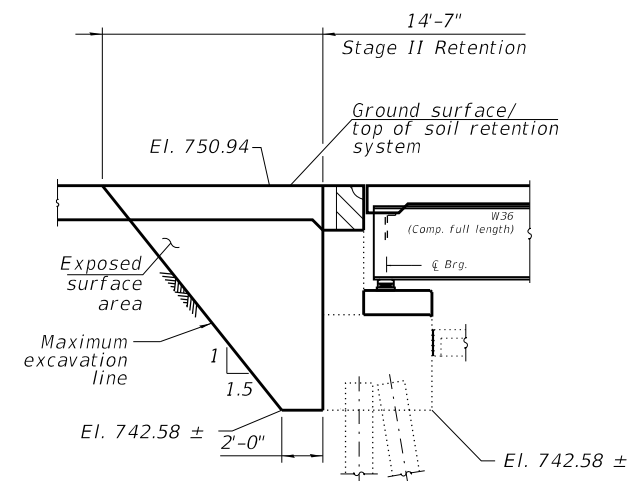
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2018-043-BD&BJR	WILL	430	282
CONTRACT NO. 62H03				
ILLINOIS FED. AID PROJECT				

**REVISED SHEET 6/1/2021**



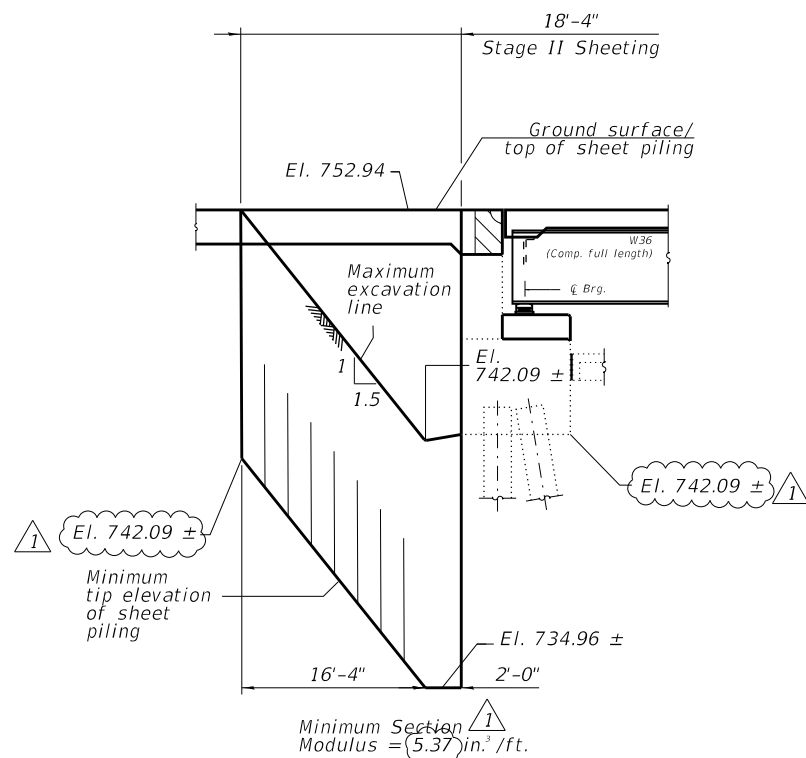
**ELEVATION VIEW OF TEMPORARY SOIL RETENTION SYSTEM (TSRS)  
NB AT WEST ABUTMENT**

(Looking North)



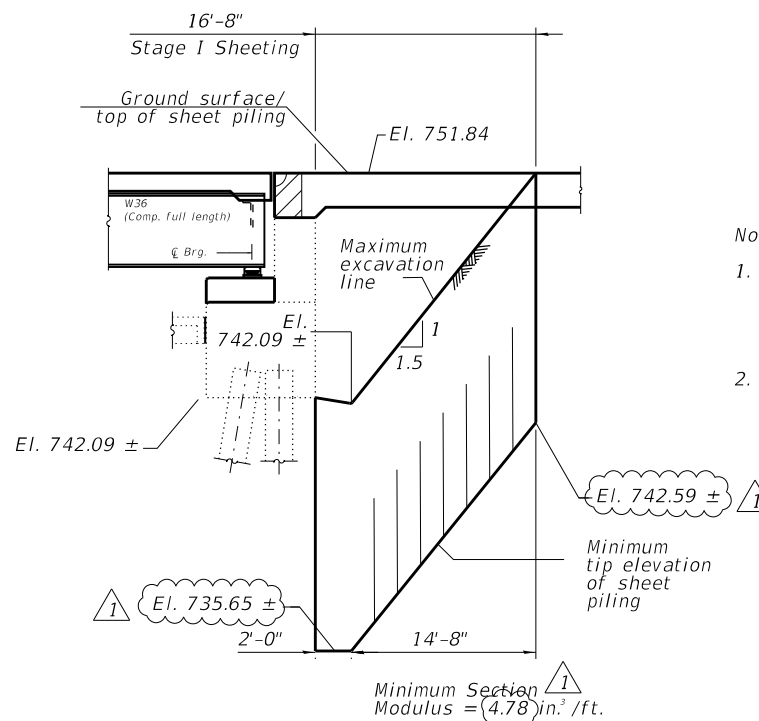
**ELEVATION VIEW OF TEMPORARY SOIL RETENTION SYSTEM (TSRS)  
SB AT WEST ABUTMENT**

(Looking South)



**ELEVATION VIEW OF TEMPORARY SHEET PILING  
SB AT EAST ABUTMENT**

(Looking South)



**ELEVATION VIEW OF TEMPORARY SHEET PILING  
NB AT EAST ABUTMENT**

(Looking North)

**Notes:**

1. A cantilevered sheet piling design does not appear feasible at the W. Abutment and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.
2. If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.

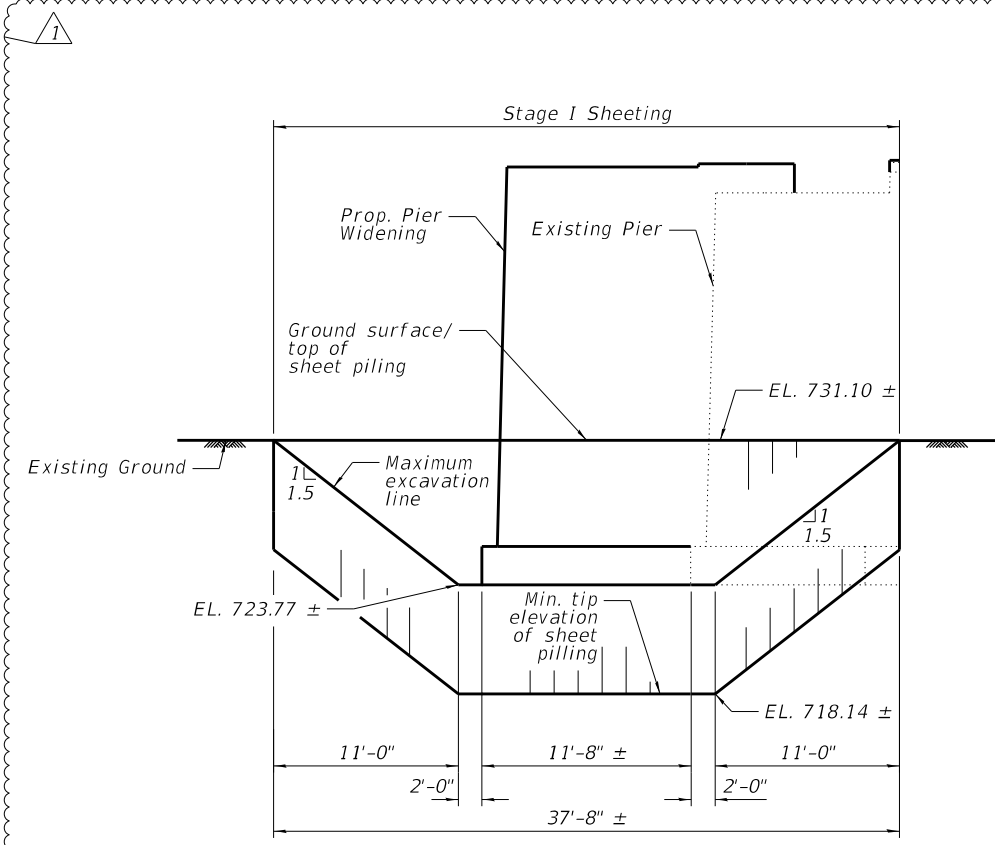
**BILL OF MATERIAL**

Item	Unit	Total
Temporary Sheet Piling	Sq. Ft.	489
Temporary Soil Retention System	Sq. Ft.	110

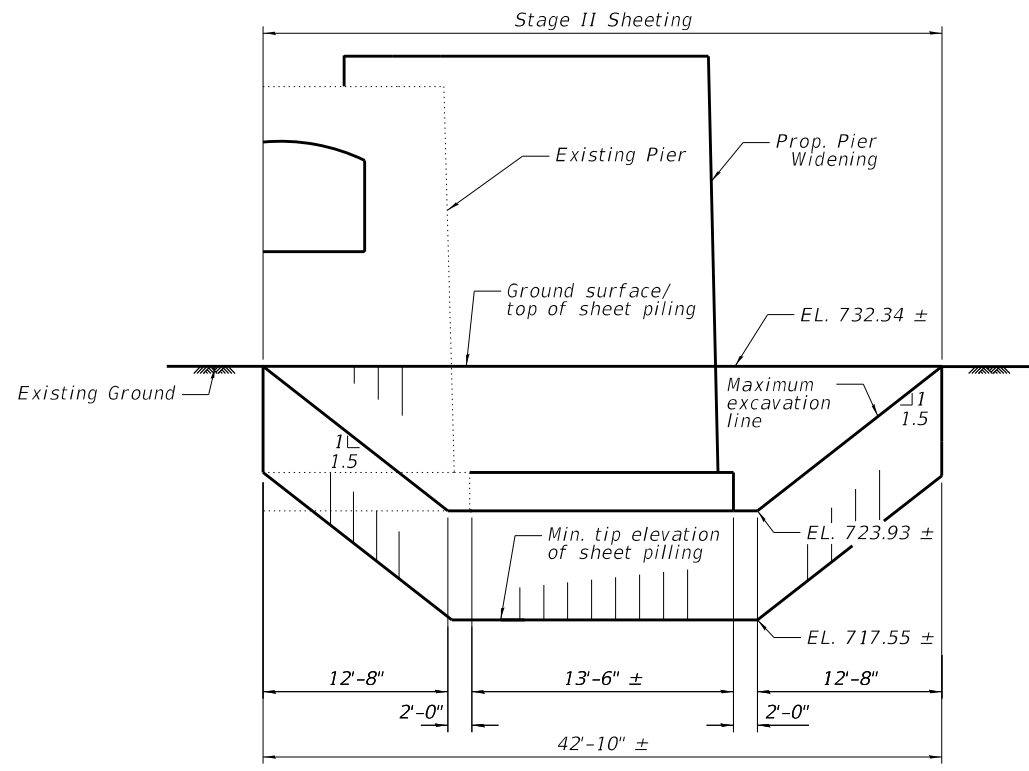
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FILE NAME: X:\OH\2019\20193008-03\Design\Design Files\62H03\CAD\_Sheets\030-095-0028-60H03-5006-TSRS.dgn

USER NAME =	Structural	DESIGNED -	O.M.	REVISED -	
		CHECKED -	H.A.	REVISED -	
PLOT SCALE =	N.T.S.	DRAWN -	O.M.	REVISED -	
PLOT DATE =	5/27/2021	CHECKED -	H.A.	REVISED -	

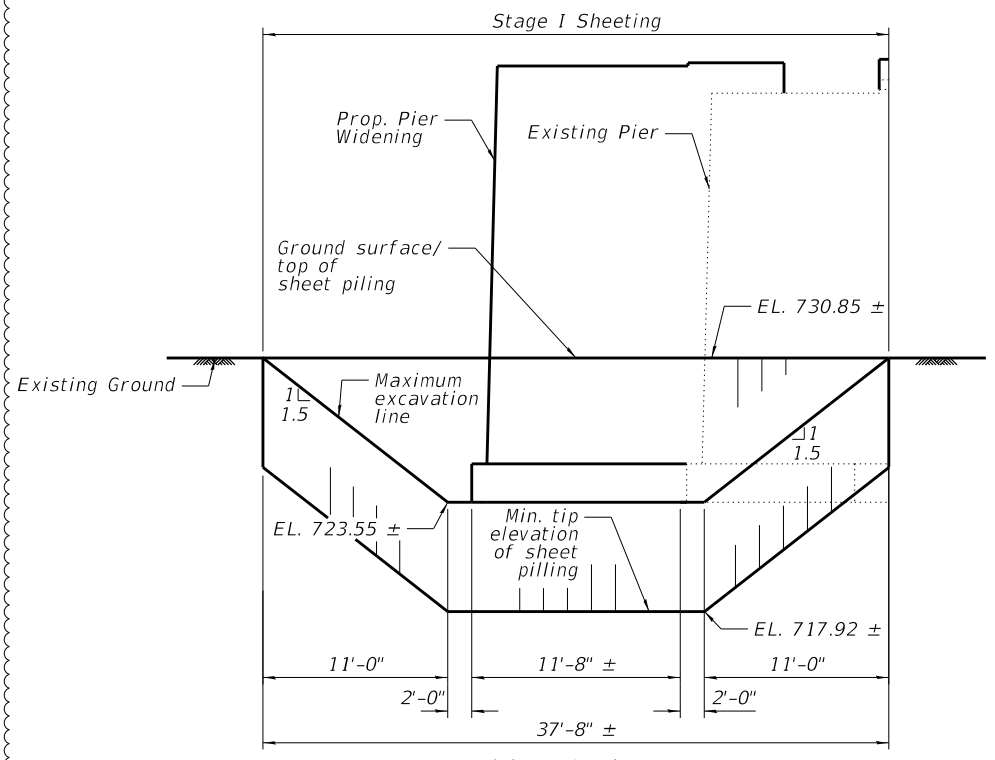
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2018-043-BD&BJR	WILL	430	286
CONTRACT NO. 62H03				
ILLINOIS FED. AID PROJECT				



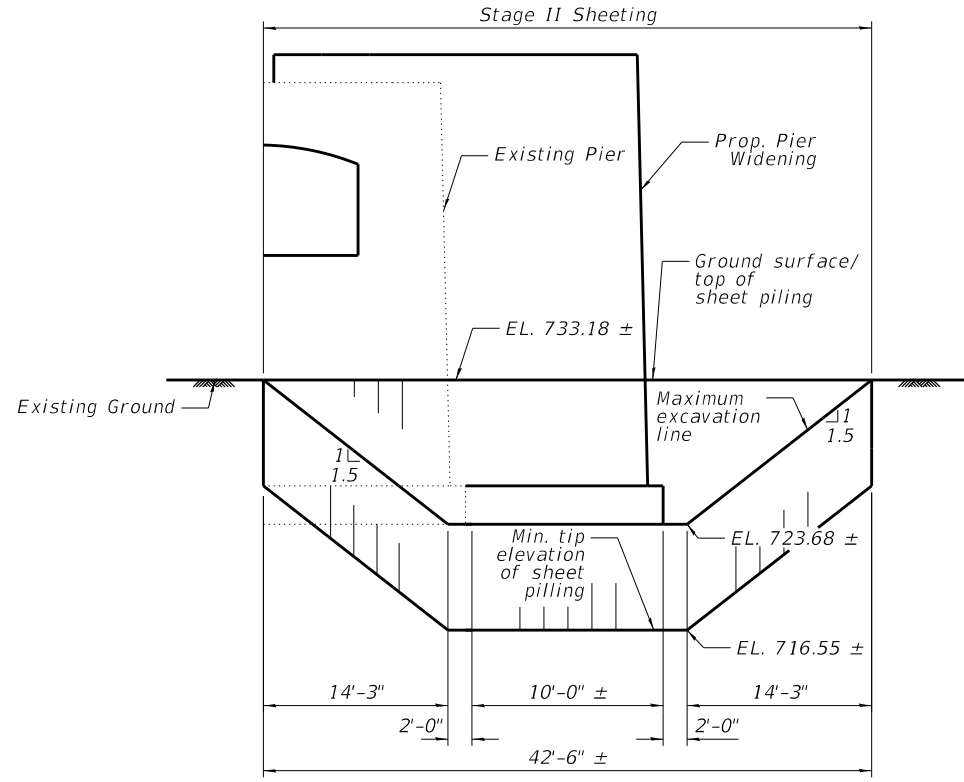
Minimum Section Modulus = 3.68 in.<sup>3</sup> /ft.  
**ELEVATION VIEW OF TEMPORARY SHEET PILING  
 LOOKING WEST PIER 1**



Minimum Section Modulus = 3.68 in.<sup>3</sup> /ft.  
**ELEVATION VIEW OF TEMPORARY SHEET PILING  
 LOOKING WEST PIER 1**



Minimum Section Modulus = 2.66 in.<sup>3</sup> /ft.  
**ELEVATION VIEW OF TEMPORARY SHEET PILING  
 LOOKING WEST PIER 2**



Minimum Section Modulus = 5.37 in.<sup>3</sup> /ft.  
**ELEVATION VIEW OF TEMPORARY SHEET PILING  
 LOOKING WEST PIER 2**

Note:  
 If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.

**BILL OF MATERIAL**

Item	Unit	Total
Temporary Sheet Piling	Sq. Ft.	2,012

REVISED SHEET 6/1/2021

MODEL: Default  
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**GR&EF**  
 8501 W. Higgins Road, Suite 280  
 Chicago, Illinois 60631; (773) 399-0112

USER NAME = Structural	DESIGNED - O.M.	REVISED -
PLOT SCALE = N.T.S.	CHECKED - H.A.	REVISED -
PLOT DATE = 5/27/2021	DRAWN - O.M.	REVISED -
	CHECKED - H.A.	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY SHEET PILING AND SOIL RETENTION SYSTEM II  
 SN 099-0028**

SHEET SC-07 OF SC-73 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2018-043-BD&BJR	WILL	430	287
CONTRACT NO. 62H03				
ILLINOIS FED. AID PROJECT				