08-02-2019 LETTING ITEM 037

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	1
	ILLINOIS	CONTRACT NO. 61F18		

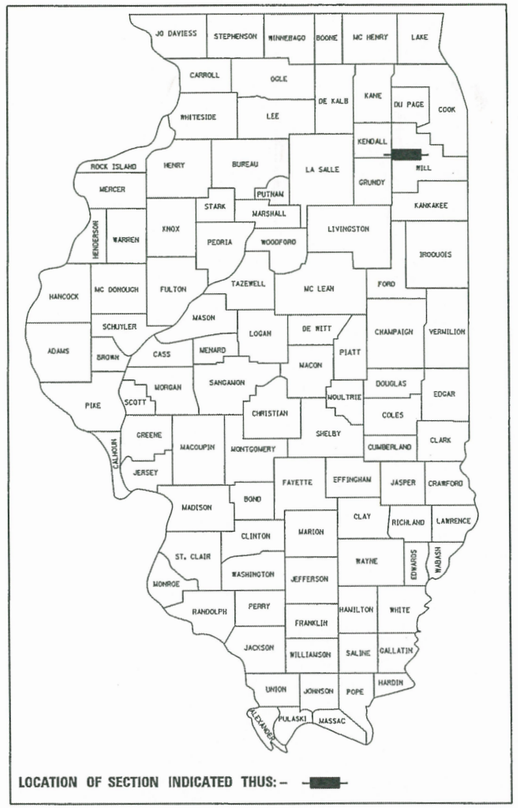
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU ROUTE 392 (US ROUTE 6) (BRIDGE STREET)
McKINLEY WOODS ROAD TO I&M CANAL
MULTI-USE PATH
SECTION 15-00024-00-BT
PROJECT 6WMJ(986)
VILLAGE OF CHANNAHON
WILL COUNTY

C-91-245-17
RANGE 9 E, 3rd P.M.



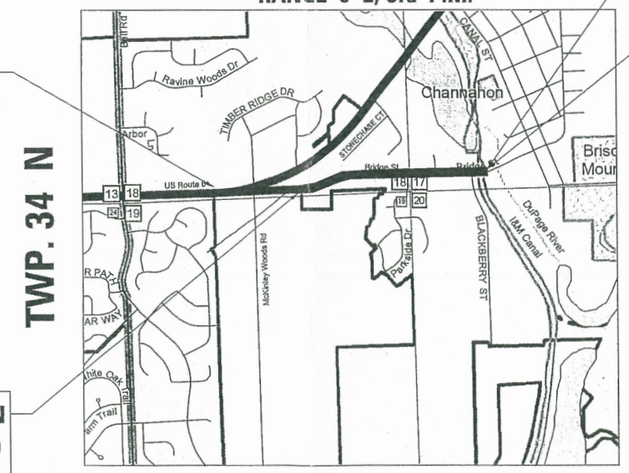
LOCATION OF SECTION INDICATED THUS:- ▬

PROJECT BEGINS
STA. 215 + 00.00

PROJECT OMISSION
STA. 222 + 68.08 TO
STA. 227 + 62.15

NEW BRIDGE
PR SN #099-P012
STA. 261 + 34.48

PROJECT ENDS
STA. 262 + 03.89



LOCATION MAP

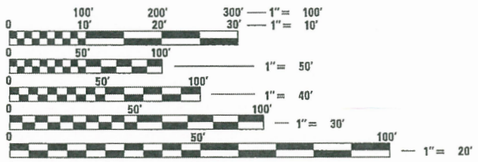
NOT TO SCALE

GROSS LENGTH = 4703.89 FT. = 0.891 MILE
NET LENGTH = 4,209.82 FT. = 0.797 MILE

TRAFFIC DATA

US ROUTE 6: MINOR ARTERIAL
POSTED SPEED LIMIT = 45 MPH
DESIGN SPEED LIMIT = 45 MPH
2017 ADT = 12,500
2040 ADT = 16,000

BRIDGE STREET: LOCAL ROAD
POSTED SPEED = 35 MPH
DESIGN SPEED = 35 MPH
PATH DESIGN SPEED = 18 MPH
2017 ADT = 1,498
2040 ADT = 2,200



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

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

FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E., SCHAUMBURG, IL

CONTRACT NO. 61F18

STRAND ASSOCIATES, INC.
ANTHONY STANDISH, P.E., S.E.
SHEETS 39-51

LICENSED STRUCTURAL ENGINEER
ANTHONY J. STANDISH
081-005816
STATE OF ILLINOIS
DATE: 2/14/19 EXP: 11/2020

STRAND ASSOCIATES, INC.
MARC GRIGAS, P.E.
SHEETS 1-38 AND 52-62

MARC A. GRIGAS
062-060836
LICENSED PROFESSIONAL ENGINEER OF ILLINOIS
DATE: 3/4/19 EXP: 11/30/19

STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Approved 3/4/19
VILLAGE OF CHANNAHON, DIRECTOR OF PUBLIC WORKS

Passed 3/4/19
District Engineer of Local Roads & Streets

Releasing for Bid Based on Limited Review MARCH 14, 2019
Regional Engineer

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

INDEX OF SHEETS

HIGHWAY STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-09	PAVEMENT JOINTS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424026-03	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
424031-02	MEDIAN PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
542401-03	METAL FLARED END SECTION FOR PIPE CULVERTS
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
630001-12	STEEL PLATE BEAM GUARDRAIL
631011-10	TRAFFIC BARRIER TERMINAL TYPE 2
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15′ (4.5 M) AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15′ (4.5 M) TO 24′′ (600 MM) FROM PAVEMENT EDGE
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTI-LANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS, AND DELINEATORS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
BLR 14-12	PORTLAND CEMENT CONCRETE PAVEMENT (NONREINFORCED)

DISTRICT ONE STANDARD DETAILS

BD-22	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
BD-24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BM-20	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-22	ARTERIAL ROAD INFORMATION SIGN

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STRAND ASSOCIATES®
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(815) 744-4200

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PLOT DATE = 3/29/2019	DATE - 3/29/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS AND HIGHWAY STANDARDS

SCALE: N/A | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	2
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			

GENERAL NOTES

1. THE LATEST EDITIONS OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AND "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" AS PREPARED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) SHALL GOVERN ALL WORK ASSOCIATED WITH THIS PROJECT.

2. THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" SHALL ALSO GOVERN THE PROJECT. BARRICADES AND WARNING SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND AS DESIGNATED BY THE ENGINEER.

3. CARE SHALL BE EXERCISED BY THE CONTRACTOR IN CARRYING OUT ALL EXCAVATION AND/OR TRENCHING OPERATIONS SO THAT SPRINKLER SYSTEMS, CURBS, LOCAL SERVICES, BUFFALO BOXES, VALVES, MANHOLES, INLETS, AND OTHER STRUCTURES ARE NOT DAMAGED OR REMOVED. ANY DAMAGE DONE BY THE CONTRACTOR, WHETHER THE STRUCTURE OR SERVICE IS VISIBLE AT THE GROUND SURFACE OR NOT, SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AS REQUIRED BY THE ENGINEER.

4. THE CONTRACTOR SHALL MAINTAIN THE SITE IN A CLEAN AND ORDERLY MANNER. IF THE ENGINEER SO DIRECTS THE CONTRACTOR SHALL STOP ALL OTHER WORK AND CONCENTRATE ON CLEAN-UP AND RESTORATION. THE CONTRACTOR SHALL DISPOSE OF ALL SURPLUS EXCAVATED MATERIAL AND DEBRIS OFF THE SITE AS WORK PROGRESSES WITH NO ADDITIONAL COMPENSATION ALLOWED. TEMPORARY STOCKPILING OF THIS MATERIAL ON THE PROJECT SITE WILL NOT BE ALLOWED.

5. PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL CONTACT J.U.L.I.E. AND ALL OTHER PUBLIC AND PRIVATE UTILITIES SO THAT ARRANGEMENTS CAN BE MADE TO LOCATE THEIR VARIOUS FACILITIES WITHIN THE LIMITS OF CONSTRUCTION UNDER THIS CONTRACT, AS WELL AS TO PROVIDE ADEQUATE PROTECTION AND INSPECTION THERETO. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES IN THE FIELD.

6. THE SCALE SHOWN ON THE DRAWINGS APPLIES ONLY TO FULL SIZE PLANS AND NOT TO THE REDUCED SIZE PLANS. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

7. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

8. THE LOCATION AND ELEVATION OF THE VARIOUS UNDERGROUND UTILITIES AS SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL USE SPECIAL CARE WHEN CONDUCTING CONSTRUCTION OPERATIONS NEAR THEM AND IS RESPONSIBLE FOR ANY DAMAGE CAUSED.

9. THE CONTRACTOR SHALL NOTIFY THE AGENCIES AND UTILITIES AT LEAST 10 DAYS PRIOR TO ANY CONSTRUCTION IN THE AREA AND SHALL COMPLY WITH ALL RESTRICTIONS FOR EQUIPMENT MOVEMENTS AND CLEARANCES IN REGARDS TO THEIR FACILITIES.

10. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR VIA E-MAIL AT CORY.JUCIUS@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK WITHIN IDOT RIGHT OF WAY.

11. THE CONTRACTOR SHALL ENSURE ALL PERMITS, INCLUDING ILLIONIS DEPARTMENT OF NATURAL RESOURCES - OFFICE OF WATER RESOURCES FLOODWAY PERMIT NO. NE2017009 AND UNITED STATES ARMY CORPS OF ENGINEERS LETTER OF NO OBJECTION PERMIT NO. LRC-2018-462, HAVE BEEN OBTAINED PRIOR TO COMMENCEMENT OF WORK.

12. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKER MONUMENTS UNTIL THE OWNER, AN AUTHORIZED AGENT, OR LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUB-SECTION MONUMENTS DISRUPTED BY THEIR OPERATIONS.

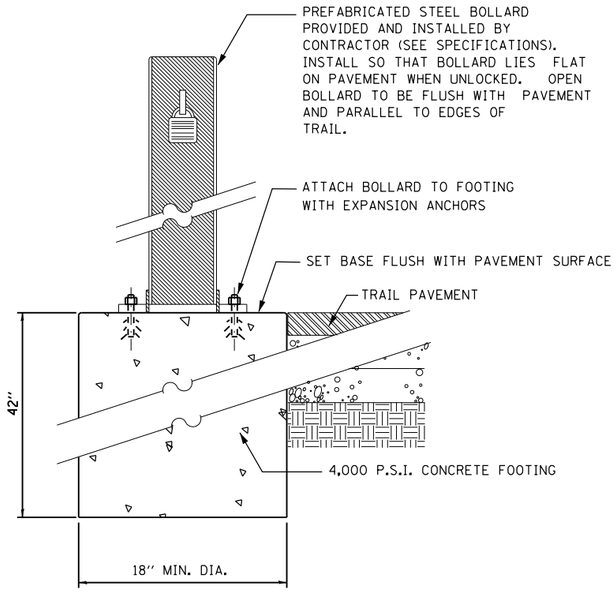
13. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AT ALL TIMES DURING AND AFTER THE CONSTRUCTION.

14. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.

15. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

16. LAYOUT AND STAKING FOR ALL CONSTRUCTION OPERATIONS SHALL BE PROVIDED BY THE CONTRACTOR.

17. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS, OR CATCH BASINS. CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THEM. CONTRACTOR SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET SHALL BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT ROADSIDE DRAINAGE SYSTEM IS BUILT AND IN SERVICE.



FOOTING AT FOLD DOWN BOLLARD

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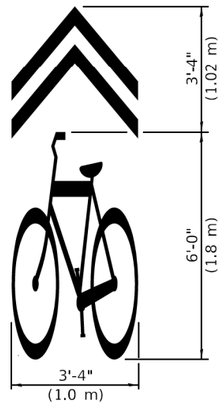

IDOT STANDARD 780001–05: SHARED LANE SYMBOL

NOT TO SCALE

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STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = JakeSc	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES
	MODEL NAME = Default	DRAWN -	REVISED -		
	PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 3/29/2019	DATE - 3/29/2019	REVISED -		SCALE: N/A | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	3
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: BRIDGE S. N. #099-P012 80% FED 20% LOCAL URBAN	CONSTRUCTION CODE: BARRIER/ ANCHORAGE SLAB 80% FED 20% LOCAL URBAN	CONSTRUCTION CODE: MULTI-USE PATH 0028 80% FED 20% LOCAL URBAN
	20200100	EARTH EXCAVATION	CU YD	314			314
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	11			11
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	51			51
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	1,713			1,713
Δ	25000210	SEEDING, CLASS 2A	ACRE	.5			.5
Δ	25000310	SEEDING, CLASS 4	ACRE	.25			.25
Δ	25100630	EROSION CONTROL BLANKET	SQ YD	1,713			1,713
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	121			121
	28000305	TEMPORARY DITCH CHECKS	FOOT	55			55
	28000400	PERIMETER EROSION BARRIER	FOOT	529			529
	28000510	INLET FILTERS	EACH	2			2
	28100107	STONE RIPRAP, CLASS A4	SQ YD	81	81		
	28200200	FILTER FABRIC	SQ YD	81	81		
+	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	17			17
	35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	1,111			1,111

Δ SPECIALTY ITEM + SPECIAL PROVISION

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A | SHEET 1 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	4
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				BRIDGE S.N. #099-P012	BARRIER/ ANCHORAGE SLAB	MULTI-USE PATH 0028
				80% FED 20% LOCAL	80% FED 20% LOCAL	80% FED 20% LOCAL
				URBAN	URBAN	URBAN
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	2,253			2,253
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	75			75
42000100	PORTLAND CEMENT CONCRETE PAVEMENT 6"	SQ YD	160			160
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1,308			1,308
42400800	DETECTABLE WARNINGS	SQ FT	112			112
44000100	PAVEMENT REMOVAL	SQ YD	226			226
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	72			72
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	89			89
44000600	SIDEWALK REMOVAL	SQ FT	330			330
44003100	MEDIAN REMOVAL	SQ FT	311			311
44004250	PAVED SHOULDER REMOVAL	SQ YD	66			66
44201705	CLASS D PATCHES, TYPE II, 5 INCH	SQ YD	25			25
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	23			23
50105220	PIPE CULVERT REMOVAL	FOOT	77			77
50200100	STRUCTURE EXCAVATION	CU YD	75	67	8	

Δ SPECIALTY ITEM +SPECIAL PROVISION

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A | SHEET 2 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	5
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			

				CONSTRUCTION CODE		
				BRIDGE S. N. #099-P012	BARRIER/ ANCHORAGE SLAB	MULTI-USE PATH 0028
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% LOCAL	80% FED 20% LOCAL	80% FED 20% LOCAL
				URBAN	URBAN	URBAN
50300225	CONCRETE STRUCTURES	CU YD	85	85		
50300255	CONCRETE SUPERSTRUCTURE	CU YD	36	26	10	
50300300	PROTECTIVE COAT	SQ YD	168	168		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	9,750	6,820	2,930	
△ 50901720	BICYCLE RAILING	FOOT	146			146
51201600	FURNISHING STEEL PILES HP12X53	FOOT	138	138		
51202305	DRIVING PILES	FOOT	138	138		
51203600	TEST PILE STEEL HP12X53	EACH	2	2		
51204650	PILE SHOES	EACH	8	8		
51500100	NAME PLATES	EACH	1	1		
52200015	PERMANENT SHEET PILING	SQ FT	2,187	2,187		
52200600	GEOTEXTILE RETAINING WALL	SQ FT	170	170		
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1			1
54262715	METAL FLARED END SECTIONS 15"	EACH	2			2
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	45			45

△ SPECIALTY ITEM + SPECIAL PROVISION

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DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A | SHEET 3 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	6
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: BRIDGE S. N. #099-P012 80% FED 20% LOCAL URBAN	CONSTRUCTION CODE: BARRIER/ ANCHORAGE SLAB 80% FED 20% LOCAL URBAN	CONSTRUCTION CODE: MULTI-USE PATH 0028 80% FED 20% LOCAL URBAN
	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	66			66
Δ +	56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	1			1
	58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	128	128		
	58700300	CONCRETE SEALER	SQ FT	1,994	1,626	368	
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	101	101		
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1			1
	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	1			1
	60266600	VALVE BOXES TO BE ADJUSTED	EACH	2			2
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	115			115
	60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	131			131
Δ	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	38			38
Δ	63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	3			3
	63200310	GUARDRAIL REMOVAL	FOOT	113			113
Δ	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	185			185
Δ	66900530	SOIL DISPOSAL ANALYSIS	EACH	2			2

Δ SPECIALTY ITEM + SPECIAL PROVISION

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: N/A | SHEET 4 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	7
		CONTRACT NO. 61F18		
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	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: BRIDGE S.N. #099-P012 80% FED 20% LOCAL URBAN	CONSTRUCTION CODE: BARRIER/ ANCHORAGE SLAB 80% FED 20% LOCAL URBAN	CONSTRUCTION CODE: MULTI-USE PATH 0028 80% FED 20% LOCAL URBAN
Δ	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1			1
Δ	66901002	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DAY	1			1
Δ	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1			1
	67100100	MOBILIZATION	L SUM	1			1
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1			1
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1			1
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1			1
Δ	72000100	SIGN PANEL - TYPE 1	SQ FT	214			214
Δ	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	3			3
Δ	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	404			404
Δ	73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	29.			29.
Δ	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	224			224
Δ	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	142			142
Δ	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	213			213
Δ	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	44			44

Δ SPECIALTY ITEM + SPECIAL PROVISION

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JOLIET, ILLINOIS 60431
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	8
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: BRIDGE S. N. #099-P012 80% FED 20% LOCAL URBAN	CONSTRUCTION CODE: BARRIER/ ANCHORAGE SLAB 80% FED 20% LOCAL URBAN	CONSTRUCTION CODE: MULTI-USE PATH 0028 80% FED 20% LOCAL URBAN
△	A2003020	TREE, CELTIS OCCIDENTALIS PRAIRIE PRIDE (PRAIRIE PRIDE HACKBERRY), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	1			1
△	A2005020	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	1			1
△	A2005620	TREE, OSTRYA VIRGINIANA (AMERICAN HOPHORNBEAM), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	1			1
+	X0322508	PEDESTRIAN TRUSS SUPERSTRUCTURE	SQ FT	1,424	1,424		
	X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	142			142
+	X0350805	FOLD DOWN BOLLARDS	EACH	1			1
+	X4023000	TEMPORARY ACCESS (ROAD)	EACH	2	2		
+	Z0004522	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 6"	SQ YD	85			85
+	Z0013798	CONSTRUCTION LAYOUT	L SUM	1			1
+	Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52			52
+	Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	148	148		

+ SPECIALTY ITEM

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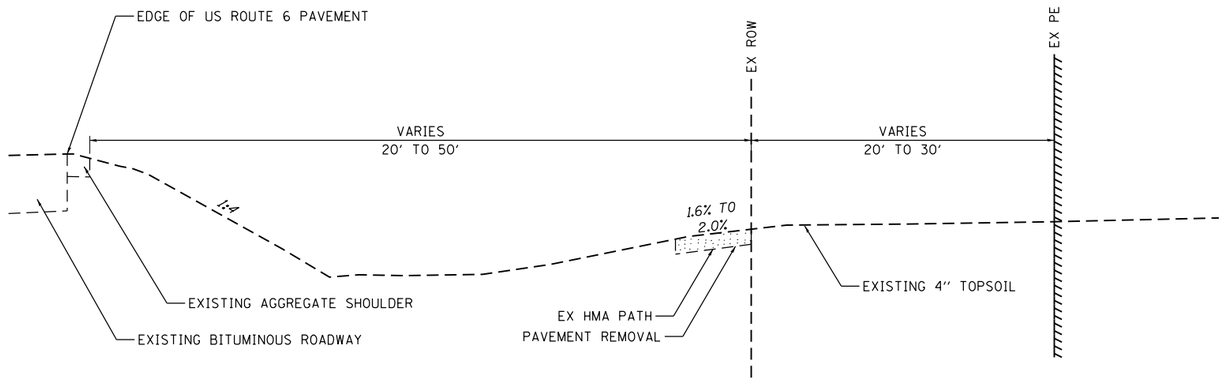
PLOT DATE = 6/24/2019	DATE - 6/24/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

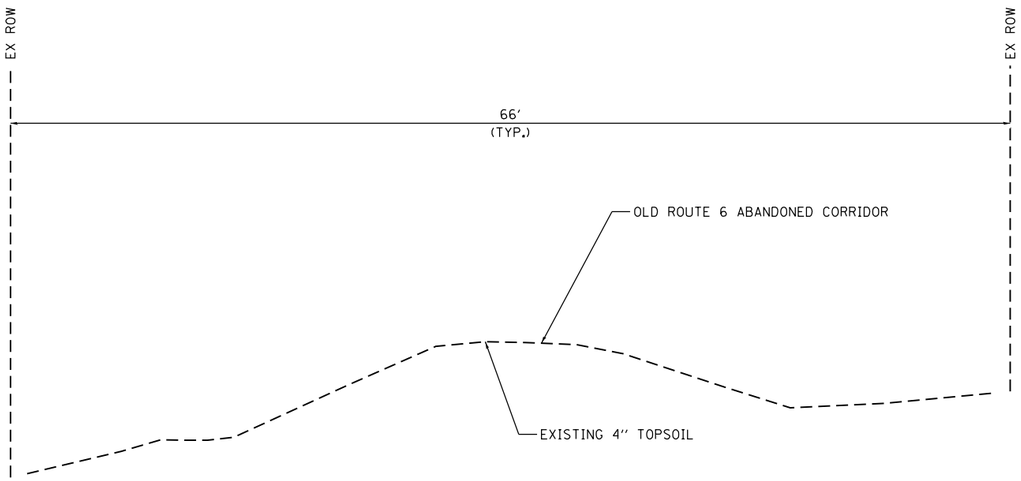
SCALE: | SHEET 5 OF 6 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	9
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			



EXISTING TYPICAL SECTION

STA. 215+00.00 TO STA. 222+68.08, US ROUTE 6



EXISTING TYPICAL SECTION

STA. 222+00.00 TO STA. 228+00.00, US ROUTE 6

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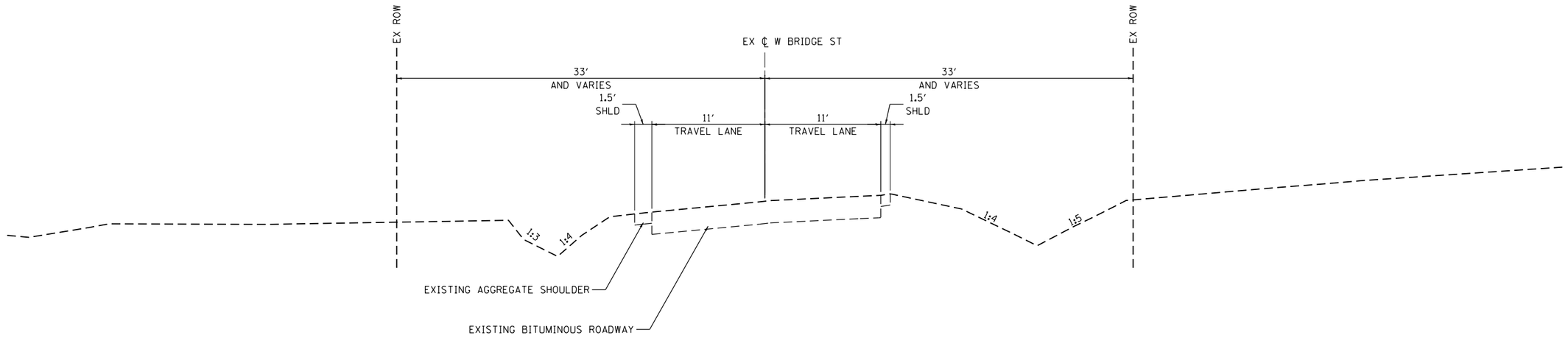
PLOT DATE = 3/29/2019	DATE - 3/29/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

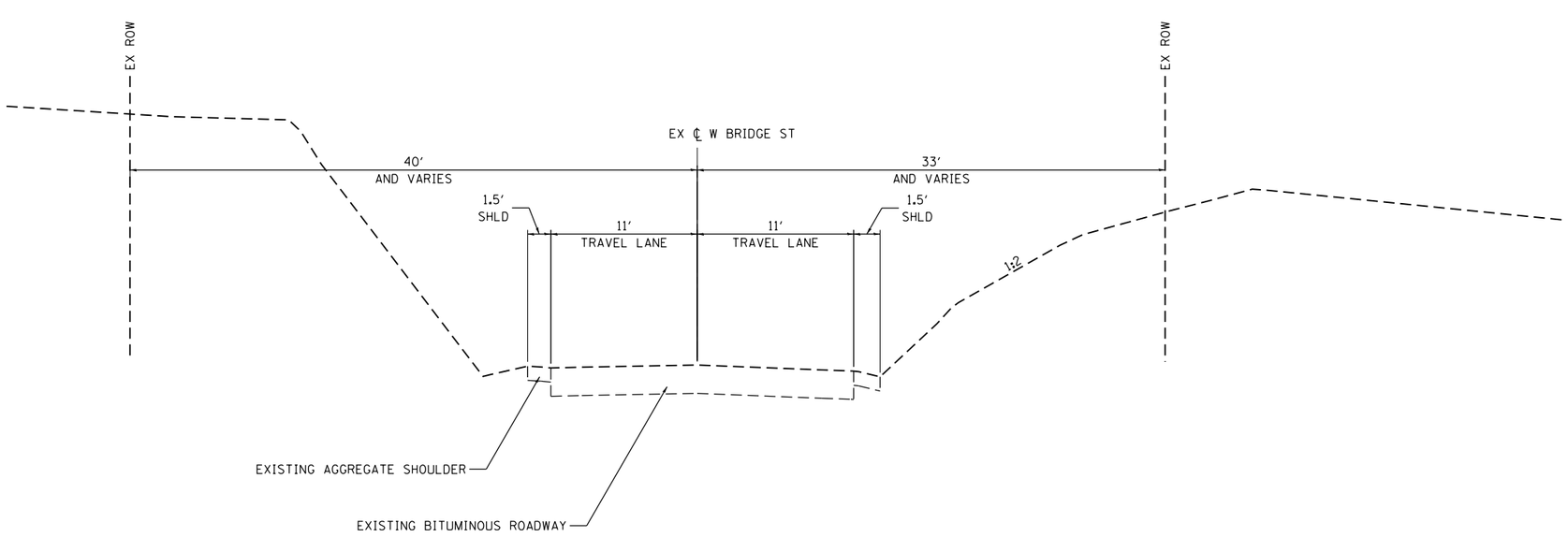
SCALE: N/A | SHEET 1 OF 6 SHEETS | STA. N/A | TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	10
		CONTRACT NO. 61F18		
	ILLINOIS	FED. AID PROJECT		



EXISTING AND PROPOSED TYPICAL SECTION

STA. 227+62.15 TO STA. 241+00.00, BRIDGE STREET
PROPOSED STRIPING ONLY



EXISTING AND PROPOSED TYPICAL SECTION

STA. 241+00.00 TO STA. 245+00.00, BRIDGE STREET
PROPOSED STRIPING ONLY

FILE NAME = S:\JOL\6400-6499\6437\02\Drawings\CAD\Macros\CADD_Sheets\D#12345-sht-typical.dgn

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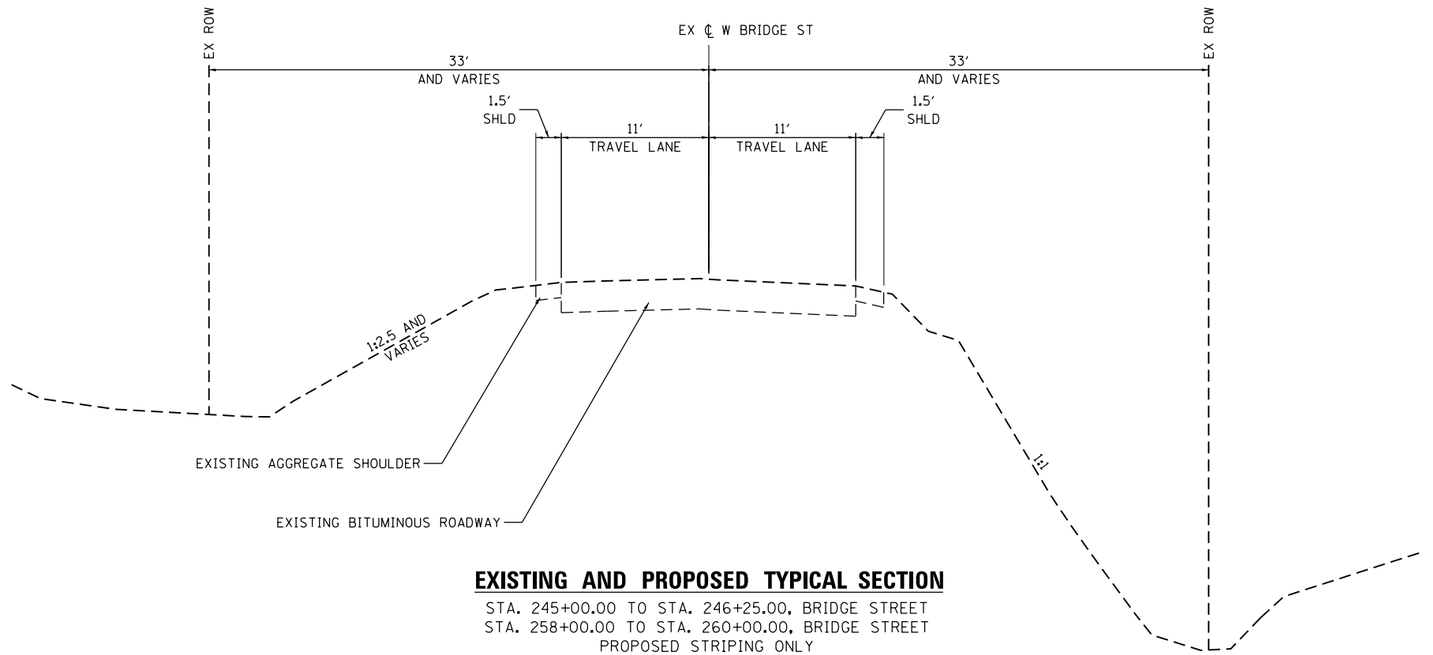
PLOT DATE = 3/29/2019	DATE - 3/29/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: N/A | SHEET 2 OF 6 SHEETS | STA. N/A | TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	11
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			

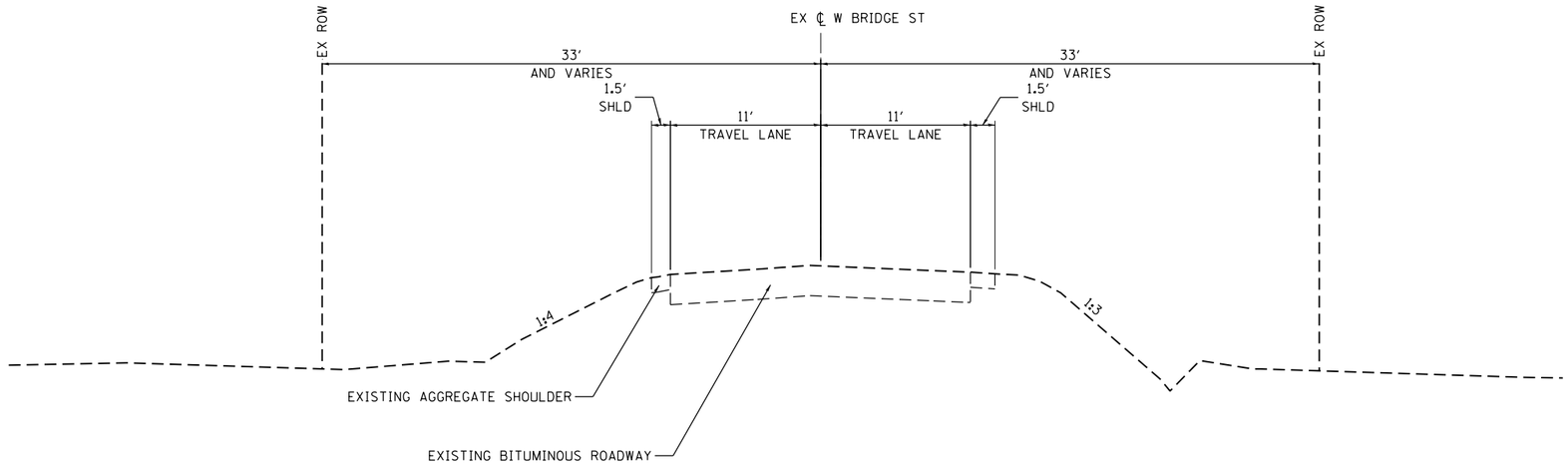


EXISTING AND PROPOSED TYPICAL SECTION

STA. 245+00.00 TO STA. 246+25.00, BRIDGE STREET
STA. 258+00.00 TO STA. 260+00.00, BRIDGE STREET
PROPOSED STRIPING ONLY

EXISTING TYPICAL SECTION

STA. 260+00.00 TO STA. 262+03.00



EXISTING AND PROPOSED TYPICAL SECTION

STA. 246+25.00 TO STA. 258+00.00, BRIDGE STREET
PROPOSED STRIPING ONLY

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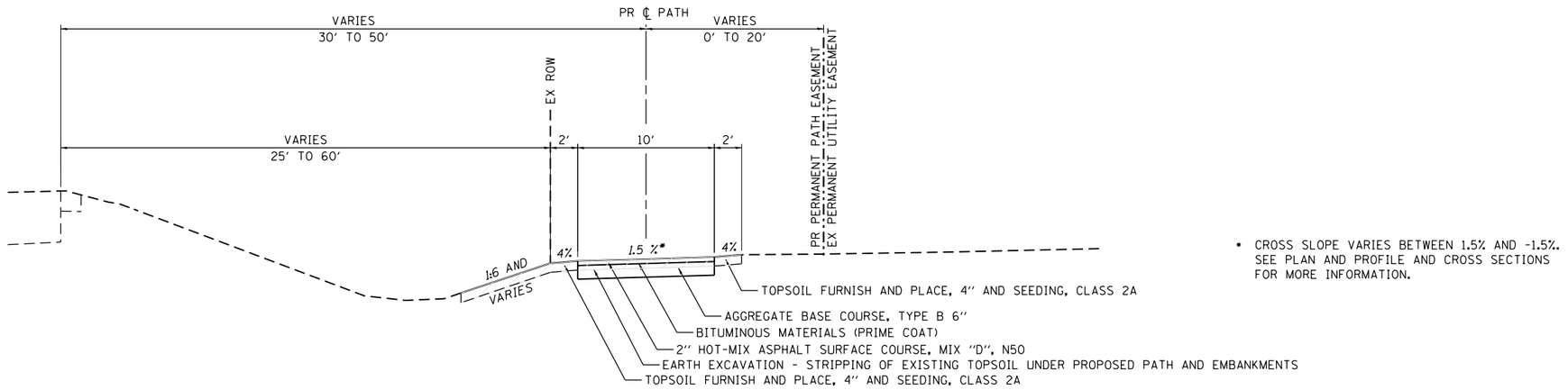
PLOT DATE = 3/29/2019	DATE - 3/29/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: N/A | SHEET 3 OF 6 SHEETS | STA. N/A | TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	12
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			



* CROSS SLOPE VARIES BETWEEN 1.5% AND -1.5%. SEE PLAN AND PROFILE AND CROSS SECTIONS FOR MORE INFORMATION.

PROPOSED TYPICAL SECTION

STA. 215+00.00 TO STA. 222+68.08, PATH

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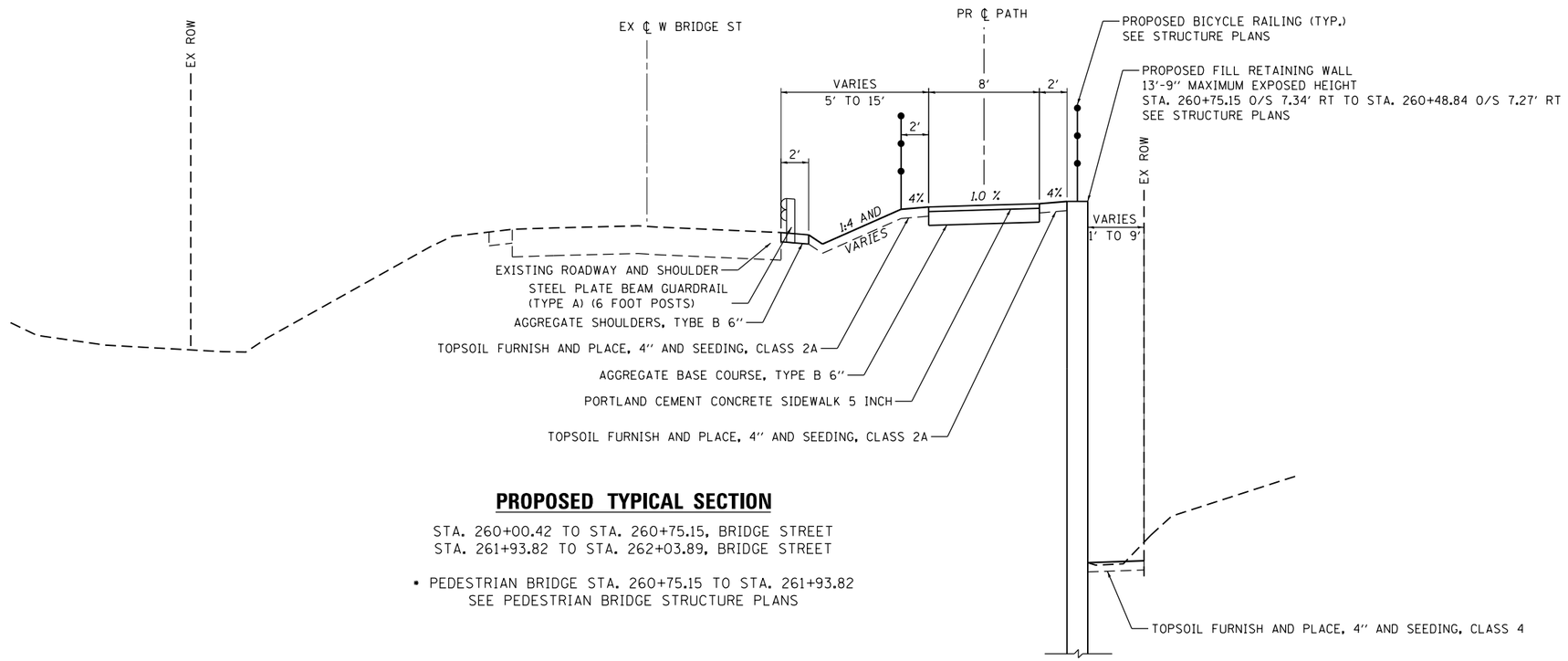
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/29/2019	DATE - 3/29/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: N/A | SHEET 4 OF 6 SHEETS | STA. N/A | TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	13
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			



PROPOSED TYPICAL SECTION

STA. 260+00.42 TO STA. 260+75.15, BRIDGE STREET
STA. 261+93.82 TO STA. 262+03.89, BRIDGE STREET

• PEDESTRIAN BRIDGE STA. 260+75.15 TO STA. 261+93.82
SEE PEDESTRIAN BRIDGE STRUCTURE PLANS

• CROSS SLOPE VARIES BETWEEN 1.5% AND -1.5%.
SEE PLAN AND PROFILE AND CROSS SECTIONS
FOR MORE INFORMATION.

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PLOT DATE = 3/29/2019	DATE - 3/29/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: N/A | SHEET 5 OF 6 SHEETS | STA. N/A | TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	14
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			

HOT–MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	AIR VOIDS @ Ndes
MULTI-USE PATH & SURFACE ABOVE PATCH	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5MM); 2"	4% @ 50 GYR
PATCHING	
CLASS D PATCHES HMA BINDER, IL-19 mm; 5"	4% @ 70 GYR
HMA DRIVEWAYS, 6"	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5MM); 2"	4% @ 50 GYR
HOT-MIX ASPHALT BASE COURSE, (HMA BINDER IL-19 MM); 4"	4% @ 50 GYR

NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE HOT-MIX ASPHALT MIXTURES IS 112 LBS/SQ YD/IN.
2. 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 DISTRICT I SPECIAL PROVISIONS.
3. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

UNDERCUT NOTES:

1. REPLACEMENT MATERIAL SHALL BE PAID FOR AS AGGREGATE SUBGRADE IMPROVEMENT MEASURED IN CUBIC YARDS.
2. UNDERCUT AND AGGREGATE SUBGRADE IMPROVEMENTS SHALL BE PERFORMED WHERE DETERMINED BY THE ENGINEER.

ESTIMATED UNDERCUT

BRIDGE STREET	DEPTH (IN)
STA. 219+50.00 TO STA. 220+00.00	8"

FILE NAME = S:\JOL\6400-6499\6437\102\Drawings\CAD\Micros\CADD Sheets\D812345-sht-typical.dgn

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PLOT DATE = 3/29/2019	DATE - 3/29/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: | SHEET 6 OF 6 SHEETS | STA. N/A | TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	15
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			

PROPOSED SIGN SCHEDULE

SIGN #	DESCRIPTION	DESIGNATION	PROPOSED LOCATION			PROPOSED SIZE		INSTALL		
			STA.	OFFSET L/R	SUPPORT TYPE	WIDTH (FT)	HEIGHT (FT)	SIGN PANEL - TYPE 1 (SQ FT)	TELESCOPING STEEL SIGN SUPPORT (FT)	BASE FOR TELESCOPING STEEL SIGN SUPPORT (EACH)
1-1	No Motor Vehicles	R5-3	216+02.32	8′ L	GROUND MOUNT	2	2	4.0	11.00	1
1-2	No Motor Vehicles	R5-4	216+66.86	8′ R	GROUND MOUNT	2	2	4.0	11.50	1
2-1	Pedestrian/Bike	W11-15	223+08.41	87.5′ R	GROUND MOUNT	2.5	2.5	6.3	17.00	1
2-2	Trail X-ing	W11-15P	223+08.41	87.5′ R		2	1.5	3.0		
2-3	Ahead	W16-9P	223+08.41	87.5 R		2	1	2.0		
2-4	Pedestrian/Bike	W11-15	222+51.21	7.5′ R	GROUND MOUNT	2.5	2.5	6.3	15.50	1
2-5	Arrow	W16-7P	222+51.21	7.5′ R		2	1	2.0		
2-6	No Motor Vehicles	R5-3	221+50.16	8′ L	GROUND MOUNT	2	2	4.0	11.50	1
2-7	No Motor Vehicles	R5-3	222+64.09	8′ R	GROUND MOUNT	2	2	4.0	11.00	1
3-1	Bikes May Use Full Lane	R4-11	227+11.54	31′ R	GROUND MOUNT	2.5	2.5	6.3	15.17	1
3-2	Ends	R3-17bp	227+11.54	31′ R		2	0.67	1.3		
3-3	Bikes May Use Full Lane	R4-11	227+28.63	57′ R	GROUND MOUNT	2.5	2.5	6.3	15.17	1
3-4	Ahead	R3-17ap	227+28.63	57′ R		2	0.67	1.3		
3-5	Bikes May Use Full Lane	R4-11	228+42.57	9.3′ L	GROUND MOUNT	2.5	2.5	6.3	14.50	1
4-1	Bikes May Use Full Lane	R4-11	231+27.53	12′ L	GROUND MOUNT	2.5	2.5	6.3	14.50	1
4-2	Bikes May Use Full Lane	R4-11	232+05.20	40′ L	GROUND MOUNT	2.5	2.5	6.3	14.50	1
4-3	Bikes May Use Full Lane	R4-11	234+10.00	34′ L	GROUND MOUNT	2.5	2.5	6.3	14.50	1
4-4	Bikes May Use Full Lane	R4-11	234+10.00	5′ L	GROUND MOUNT	2.5	2.5	6.3	14.50	1
5-1	Bikes May Use Full Lane	R4-11	236+79.72	35.5′ L	GROUND MOUNT	2.5	2.5	6.3	14.50	1
5-2	Bikes May Use Full Lane	R4-11	236+88.14	4.7′ L	GROUND MOUNT	2.5	2.5	6.3	14.50	1
5-3	Bikes May Use Full Lane	R4-11	238+84.87	7′ L	GROUND MOUNT	2.5	2.5	6.3	14.50	1
5-4	Bikes May Use Full Lane	R4-11	239+43.69	38.3′ L	GROUND MOUNT	2.5	2.5	6.3	14.50	1

PROPOSED SIGN SCHEDULE

SIGN #	DESCRIPTION	DESIGNATION	PROPOSED LOCATION			PROPOSED SIZE		INSTALL		
			STA.	OFFSET L/R	SUPPORT TYPE	WIDTH (FT)	HEIGHT (FT)	SIGN PANEL - TYPE 1 (SQ FT)	TELESCOPING STEEL SIGN SUPPORT (FT)	BASE FOR TELESCOPING STEEL SIGN SUPPORT (EACH)
6-1	Bikes May Use Full Lane	R4-11	241+87.87	8.5′ L	GROUND MOUNT	2.5	2.5	6.3	14.50	1
6-2	Bikes May Use Full Lane	R4-11	241+74.85	39.5′ L	GROUND MOUNT	2.5	2.5	6.3	14.50	1
6-3	Bikes May Use Full Lane	R4-11	244+97.08	10.0′ L	GROUND MOUNT	2.5	2.5	6.3	0.00	0
6-4	Bikes May Use Full Lane	R4-11	244+81.75	41′ L	GROUND MOUNT	2.5	2.5	6.3	14.50	1
7-1	Bikes May Use Full Lane	R4-11	247+47.54	41.5′ L	GROUND MOUNT	2.5	2.5	6.3	14.50	1
7-2	Bike Route	D11-1	248+96.00	8′ R	Existing	2	1.5	3.0	0.00	0
7-3	Directional Arrow	M6-4	248+96.00	8′ R		1.75	1.25	2.2		
7-4	Bikes May Use Full Lane	R4-11	249+28.77	4′ L	Existing	2.5	2.5	6.3	0.00	0
7-5	Bikes May Use Full Lane	R4-11	250+90.43	48.5′ L	GROUND MOUNT	2.5	2.5	6.3	14.50	1
7-6	Bikes May Use Full Lane	R4-11	252+48.21	16.5′ L	GROUND MOUNT	2.5	2.5	6.3	14.50	1
8-1	Bikes May Use Full Lane	R4-11	255+29.55	45.3′ L	Existing	2.5	2.5	6.3	0.00	0
8-2	Bikes May Use Full Lane	R4-11	256+55.44	13.5′ L	Existing	2.5	2.5	6.3	0.00	0
9-1	Bike Route	D11-1	259+49.09	4.5′ L	GROUND MOUNT	2	1.5	3.0	14.25	1
9-2	Bicycle Route Arrow Signs	M5-2	259+49.09	4.5′ L		1	0.75	0.8		
9-3	Bikes May Use Full Lane	R4-11	259+61.23	43 L	GROUND MOUNT	2.5	2.5	6.3	14.50	1
9-4	No Motor Vehicles	R5-3	260+09.37	8′ R	GROUND MOUNT	2	2	4.0	12.00	1
9-5	Stop	R1-1	260+21.51	8′ L	GROUND MOUNT	1.5	1.5	1.9	10.50	1
9-6	Stop	R1-1	260+02.42	15′ R	Existing	2.5	2.5	5.2	0.00	0
9-7	Bike Route	D11-1	260+02.42	15′ R		2	1.5	3.0		
9-8	Directional Arrow	M6-4	260+02.42	15′ R		1.75	1.25	2.2		
9-9	No Motor Vehicles	R5-3	261+98.68	7′ L	GROUND MOUNT	2	2	4.0	11.00	1
9-10	Bikes May Use Full Lane	R4-11	261+92.17	58′ L	GROUND MOUNT	2.5	2.5	6.3	15.50	1
9-11	Ahead	W16-9P	261+92.17	58′ L		2	1	2.0		
TOTAL								214.00	404.00	29

FILE NAME = S:\JOL\65400-65499\65437\102\Drawings\CAD\Macros\CADD_Sheets\d12345-sht-schedule.dgn

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	16
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			

LOCATION		EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%)	EMBANKMENT	FURNISHED EXCAVATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
					EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	
STATION	STATION	CU YD	CU YD	CU YD	CU YD	CU YD
BRIDGE STREET						
215+00	215+50	15.83	13.46	10.81	2.65	0.00
215+50	216+00	13.13	11.16	25.22	-14.06	0.00
216+00	217+00	-	-	-	-	-
217+00	217+50	16.16	13.73	38.51	-24.78	0.00
217+50	218+00	21.23	18.05	6.62	11.43	0.00
218+00	218+50	30.69	26.09	0.00	26.09	0.00
218+50	219+00	23.29	19.79	0.00	19.79	0.00
219+00	219+50	18.88	16.05	0.00	16.05	0.00
219+50	220+00	25.20	21.42	0.00	21.42	7.41
220+00	220+50	21.06	17.90	7.81	10.09	3.70
220+50	221+00	15.60	13.26	29.94	-16.67	0.00
221+00	221+50	21.12	17.95	36.85	-18.90	0.00
221+50	221+80	15.12	12.85	17.67	-4.81	0.00
221+80	222+68	36.91	31.38	0.38	31.00	0.00
222+68	259+68	-	-	-	-	-
259+68	260+00	27.43	23.32	0.00	23.32	0.00
260+00	260+50	11.57	9.84	3.64	6.20	0.00
262+00	262+04	0.50	0.42	0.77	-0.35	0.00
262+04	262+36	25.67	21.82	0.00	21.82	0.00
BRIDGE STREET TOTALS		314	267	178	88	11

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STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

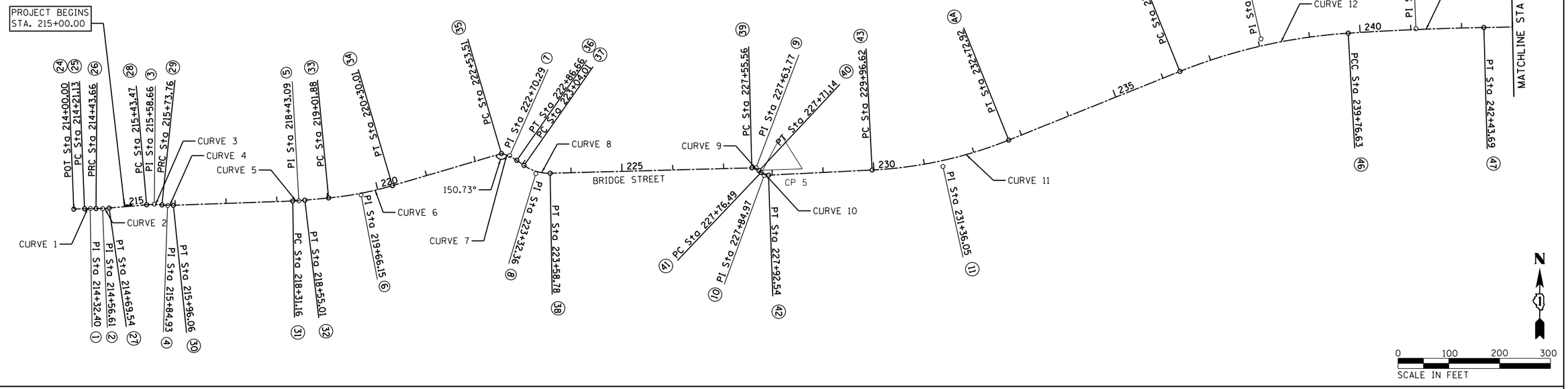
USER NAME = JakeSc	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 2.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/29/2019	DATE - 3/29/2019	REVISED -

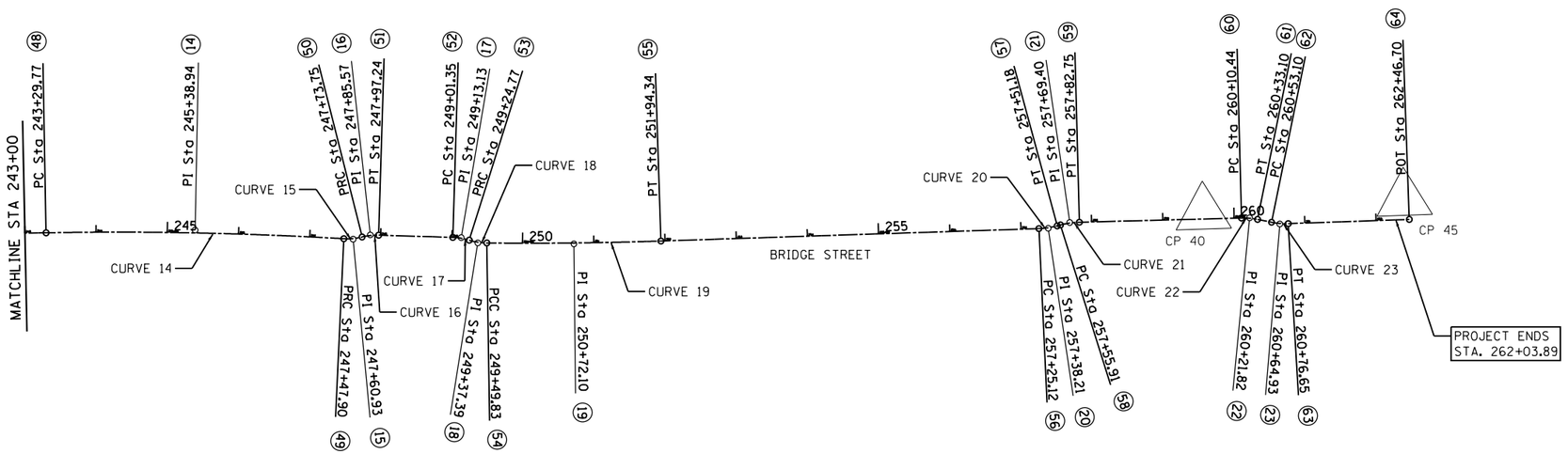
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	17
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			





ALIGNMENT PI POINTS

PI	NORTHING	EASTING
1	1730912.907	1008370.034
2	1730912.712	1008394.252
3	1730921.488	1008495.942
4	1730918.771	1008522.161
5	1730928.098	1008780.191
6	1730939.775	1008902.699
7	1731017.293	1009195.106
8	1730981.499	1009246.320
9	1730993.110	1009679.506
10	1730978.049	1009695.598
11	1730995.619	1010047.156
12	1731246.712	1010672.723
13	1731266.687	1010977.555
14	1731274.505	1011406.289
15	1731261.674	1011628.113
16	1731267.731	1011652.205
17	1731263.905	1011779.861
18	1731256.565	1011803.139
19	1731255.145	1011938.028
20	1731277.059	1012603.810
21	1731285.212	1012634.034
22	1731291.769	1012886.499
23	1731283.158	1012928.841

ALIGNMENT PI POINTS

PC/PT	NORTHING	EASTING
24	1730911.632	1008337.665
25	1730912.464	1008358.778
26	1730912.816	1008381.299
27	1730913.826	1008407.158
28	1730920.182	1008480.806
29	1730919.922	1008511.053
30	1730919.174	1008533.322
31	1730927.667	1008768.269
32	1730929.230	1008792.067
33	1730933.678	1008838.727
34	1730957.921	1008964.345
35	1731021.030	1009178.746
36	1731007.680	1009208.860
37	1730997.737	1009223.086
38	1730982.258	1009274.657
39	1730992.890	1009671.298
40	1730987.500	1009685.501
41	1730983.845	1009689.405
42	1730978.473	1009704.070
43	1730988.659	1009907.900
44	1731047.556	1010176.552
45	1731182.668	1010513.165
46	1731257.954	1010844.286
47	1731269.122	1011111.088
48	1731270.691	1011197.154
49	1731262.426	1011615.110
50	1731264.849	1011640.745
51	1731267.377	1011664.016
52	1731264.258	1011768.083
53	1731260.362	1011791.098
54	1731256.432	1011815.764
55	1731259.167	1012060.233
56	1731276.628	1012590.732
57	1731280.467	1012616.444
58	1731281.700	1012621.017
59	1731285.562	1012647.512
60	1731291.473	1012875.124
61	1731289.501	1012897.650
62	1731285.515	1012917.248
63	1731283.570	1012940.664
64	1731289.499	1012937.177

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STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = JakeSc	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 200.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/29/2019	DATE - 3/29/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, AND BENCHMARKS

SCALE: 1'' = 100' | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	18
		CONTRACT NO. 61F18		
		ILLINOIS FED. AID PROJECT		

CURVE 1
PI STA. = 214+32.40
Δ = 2° 43′ 02″ (RT)
D = 12° 03′ 44″
R = 475.00′
T = 11.26′
L = 22.53′
E = 0.13′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 214+21.13
P.T. STA = 214+43.66

CURVE 2
PI STA. = 214+56.61
Δ = 5° 23′ 38″ (LT)
D = 20° 50′ 05″
R = 275.00′
T = 12.95′
L = 25.89′
E = 0.30′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 214+43.66
P.T. STA = 214+69.54

CURVE 3
PI STA. = 215+58.66
Δ = 10° 50′ 52″ (RT)
D = 35° 48′ 36″
R = 160.00′
T = 15.19′
L = 30.29′
E = 0.72′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 215+43.47
P.T. STA = 215+73.76

CURVE 4
PI STA. = 215+84.93
Δ = 7° 59′ 09″ (LT)
D = 35° 48′ 36″
R = 160.00′
T = 11.17′
L = 22.30′
E = 0.39′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 215+73.76
P.T. STA = 215+96.06

CURVE 5
PI STA. = 218+43.09
Δ = 3° 22′ 28″ (LT)
D = 14° 08′ 50″
R = 405.00′
T = 11.93′
L = 23.85′
E = 0.18′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 218+31.16
P.T. STA = 218+55.01

CURVE 6
PI STA. = 219+66.15
Δ = 10° 57′ 26″ (LT)
D = 8° 33′ 06″
R = 670.00′
T = 64.26′
L = 128.13′
E = 3.07′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 219+01.88
P.T. STA = 220+30.01

CURVE 7
PI STA. = 222+70.29
Δ = 22° 04′ 59″ (RT)
D = 66° 37′ 23″
R = 86.00′
T = 16.78′
L = 33.15′
E = 1.62′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 222+53.51
P.T. STA = 222+86.66

CURVE 8
PI STA. = 223+32.36
Δ = 36° 29′ 08″ (LT)
D = 66° 37′ 23″
R = 86.00′
T = 28.35′
L = 54.76′
E = 4.55′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 223+04.01
P.T. STA = 223+58.78

CURVE 9
PI STA. = 227+63.77
Δ = 44° 38′ 20″ (RT)
D = 286° 28′ 44″
R = 20.00′
T = 8.21′
L = 15.58′
E = 1.62′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 227+55.56
P.T. STA = 227+71.14

CURVE 10
PI STA. = 227+84.97
Δ = 45° 57′ 52″ (LT)
D = 286° 28′ 44″
R = 20.00′
T = 8.48′
L = 16.04′
E = 1.72′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 227+76.49
P.T. STA = 227+92.54

CURVE 11
PI STA. = 231+36.05
Δ = 19° 00′ 31″ (LT)
D = 6° 52′ 47″
R = 832.81′
T = 139.43′
L = 276.30′
E = 11.59′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 229+96.62
P.T. STA = 232+72.92

CURVE 12
PI STA. = 238+07.57
Δ = 18° 07′ 14″ (RT)
D = 5° 18′ 51″
R = 1,078.18′
T = 171.93′
L = 340.99′
E = 13.62′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 236+35.63
P.T. STA = 239+76.63

CURVE 13
PI STA. = 241+10.18
Δ = 2° 42′ 16″ (RT)
D = 1° 00′ 46″
R = 5,657.82′
T = 133.56′
L = 267.06′
E = 1.58′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 239+76.63
P.T. STA = 242+43.69

CURVE 14
PI STA. = 245+38.94
Δ = 4° 21′ 18″ (RT)
D = 1° 02′ 30″
R = 5,501.00′
T = 209.17′
L = 418.14′
E = 3.98′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 243+29.77
P.T. STA = 247+47.90

CURVE 15
PI STA. = 247+60.93
Δ = 17° 25′ 24″ (LT)
D = 67° 24′ 24″
R = 85.00′
T = 13.02′
L = 25.85′
E = 0.99′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 247+47.90
P.T. STA = 247+73.75

CURVE 16
PI STA. = 247+85.57
Δ = 15° 49′ 45″ (RT)
D = 67° 24′ 24″
R = 85.00′
T = 11.82′
L = 23.48′
E = 0.82′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 247+73.75
P.T. STA = 247+97.24

CURVE 17
PI STA. = 249+13.13
Δ = 15° 47′ 03″ (RT)
D = 67° 24′ 24″
R = 85.00′
T = 11.78′
L = 23.42′
E = 0.81′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 249+01.35
P.T. STA = 249+24.77

CURVE 18
PI STA. = 249+37.39
Δ = 16° 53′ 50″ (LT)
D = 67° 24′ 24″
R = 85.00′
T = 12.63′
L = 25.07′
E = 0.93′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 249+24.77
P.T. STA = 249+49.83

CURVE 19
PI STA. = 250+72.10
Δ = 2° 29′ 19″ (LT)
D = 1° 01′ 04″
R = 5,629.21′
T = 122.27′
L = 244.50′
E = 1.33′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 249+49.83
P.T. STA = 251+94.34

CURVE 20
PI STA. = 257+38.21
Δ = 13° 12′ 40″ (LT)
D = 50° 42′ 15″
R = 113.00′
T = 13.09′
L = 26.06′
E = 0.76′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 257+25.12
P.T. STA = 257+51.18

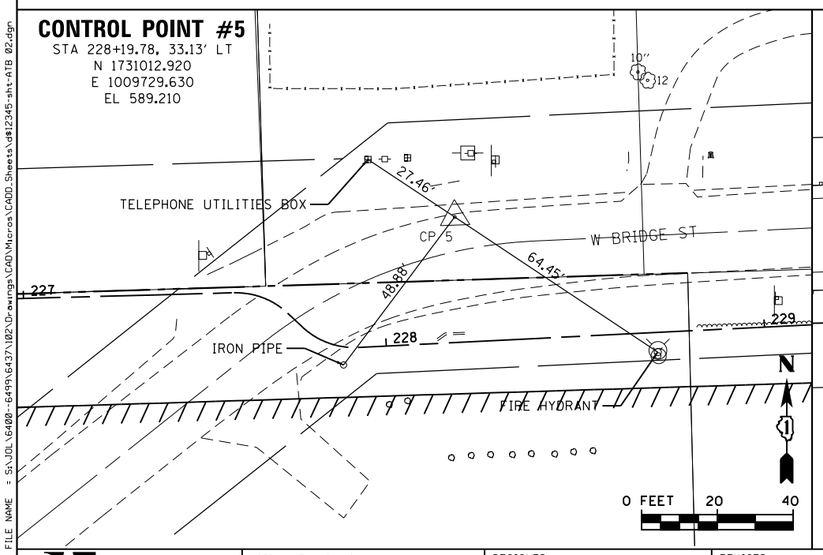
CURVE 21
PI STA. = 257+69.40
Δ = 13° 36′ 30″ (RT)
D = 50° 42′ 15″
R = 113.00′
T = 13.48′
L = 26.84′
E = 0.80′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 257+55.91
P.T. STA = 257+82.75

CURVE 22
PI STA. = 260+21.82
Δ = 12° 59′ 00″ (RT)
D = 57° 17′ 45″
R = 100.00′
T = 11.38′
L = 22.66′
E = 0.65′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 260+10.44
P.T. STA = 260+33.10

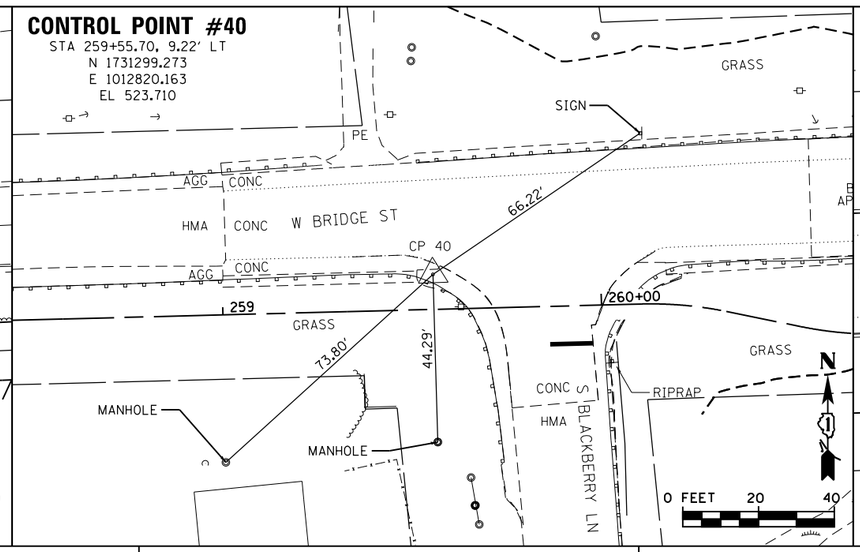
CURVE 23
PI STA. = 260+64.93
Δ = 13° 29′ 36″ (LT)
D = 57° 17′ 45″
R = 100.00′
T = 11.83′
L = 23.55′
E = 0.70′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 260+53.10
P.T. STA = 260+76.65

BENCHMARK: SOUTHERN MOST CORNER, ON TOP OF SOUTH WEST WING WALL OF BRIDGE OVER I & M CANAL (S.N. 099-4612). ELEV. 522.66

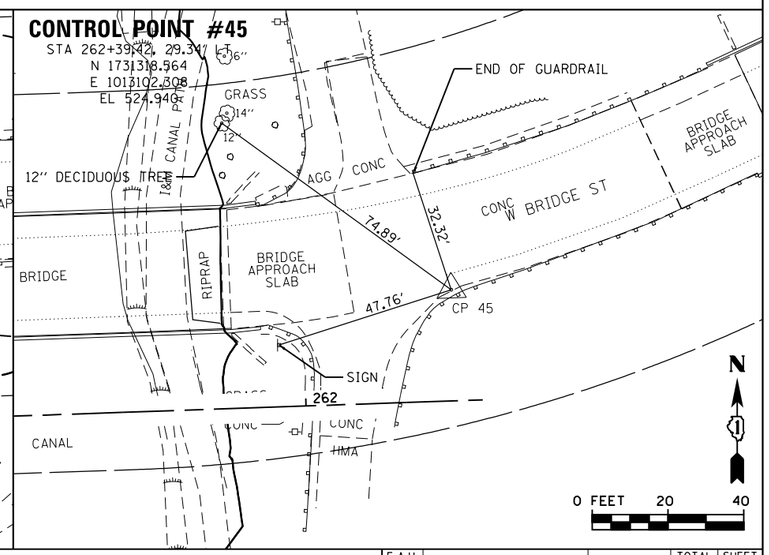
CONTROL POINT #5
STA 228+19.78, 33.13′ LT
N 1731012.920
E 1009729.630
EL 589.210



CONTROL POINT #40
STA 259+55.70, 9.22′ LT
N 1731299.273
E 1012820.163
EL 523.710



CONTROL POINT #45
STA 262+39.42, 29.34′ LT
N 1731318.564
E 1013102.308
EL 524.940



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STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

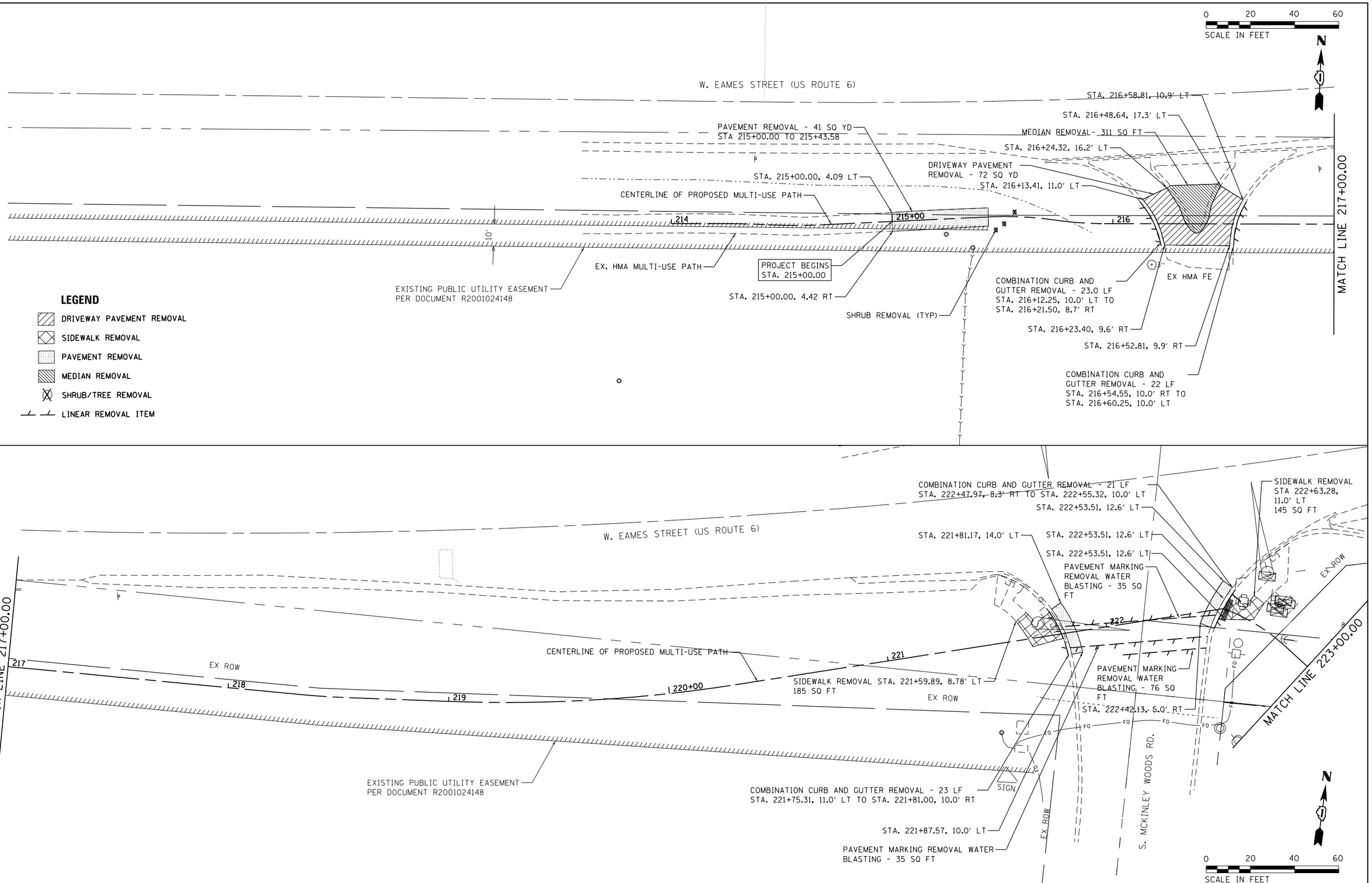
USER NAME = JakeSc	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 400.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/29/2019	DATE - 3/29/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, AND BENCHMARKS

SCALE: 1″ = 20′ | SHEET 2 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	19
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			



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STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = JakeSc	DESIGNED -	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**W. BRIDGE STREET MULTIUSE PATH REMOVAL PLAN**
	MODEL NAME = Default	DRAWN -	REVISED -		
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -		
	PLOT DATE = 3/29/2019	DATE -	REVISED -		SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. 214+00.00 TO STA. 223+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	20
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			

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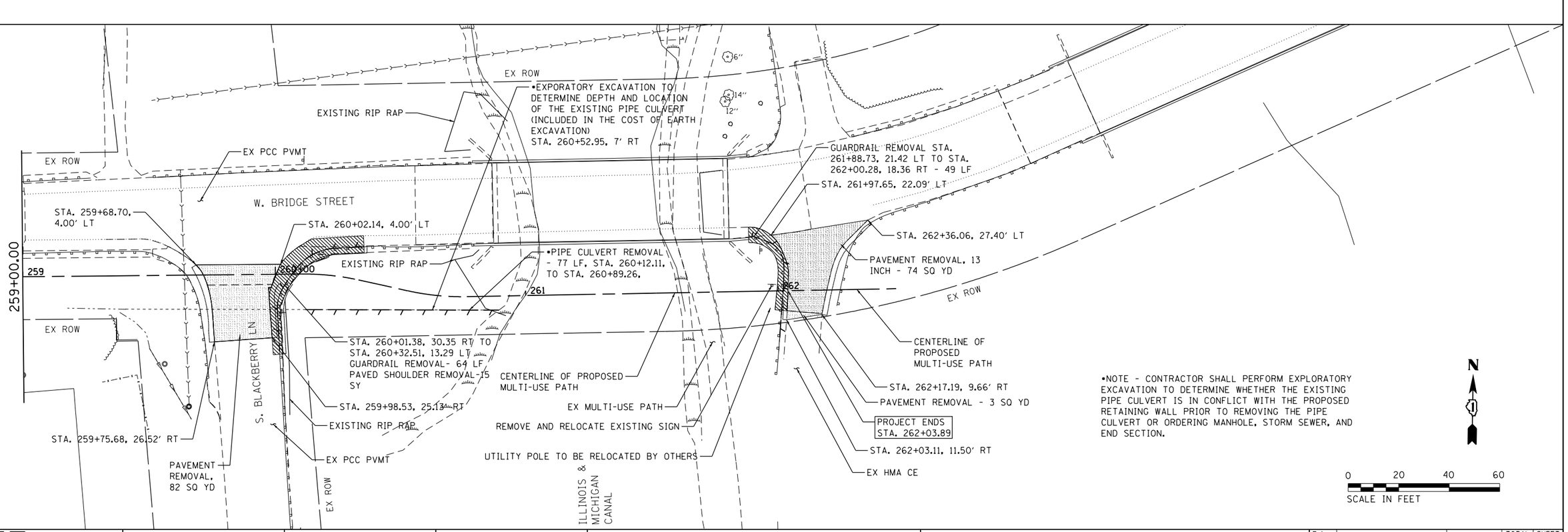

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

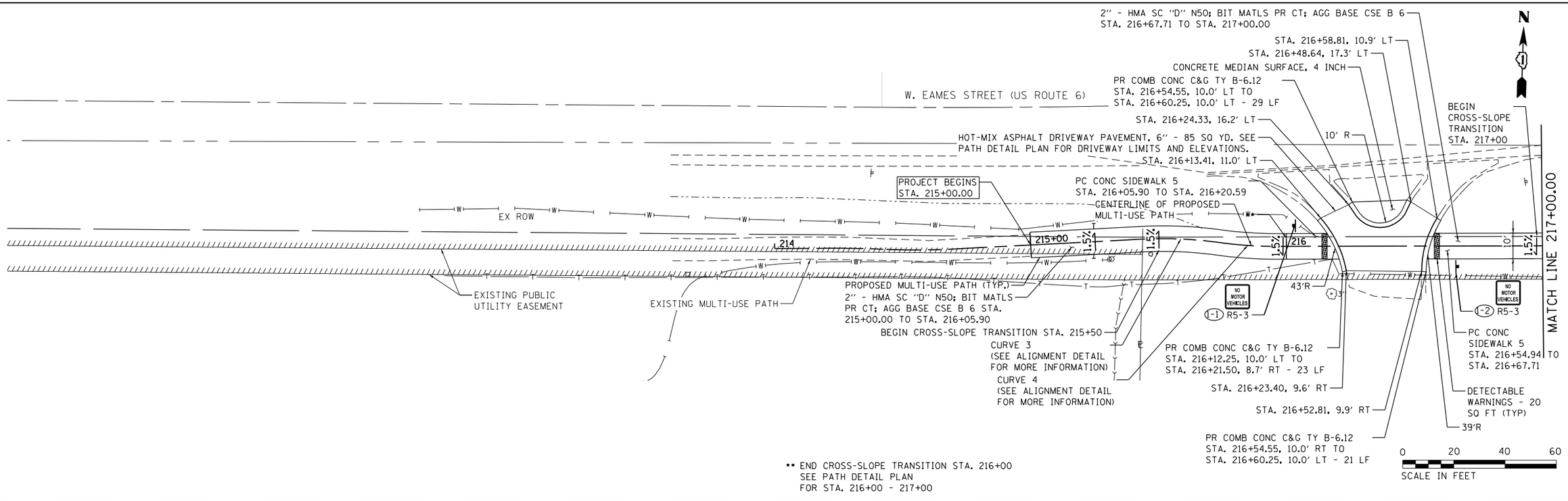
USER NAME = JakeSc	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/29/2019	DATE -	REVISED -

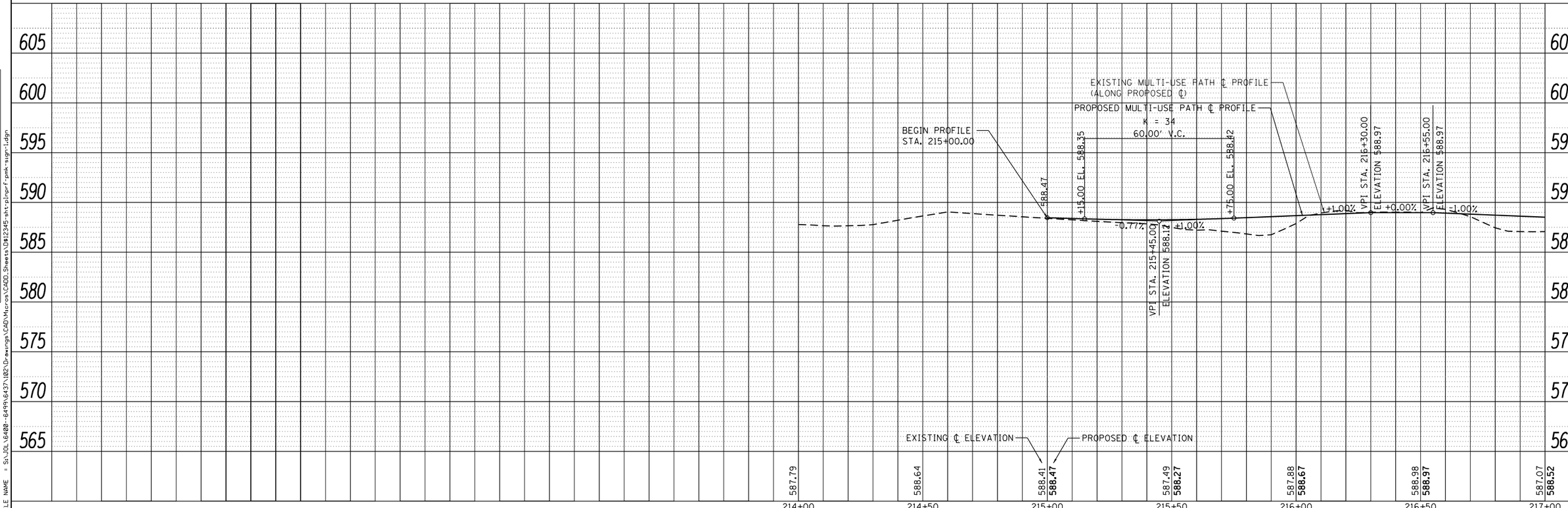
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

W. BRIDGE STREET MULTIUSE PATH
REMOVAL PLAN

SCALE: 1" = 20' | SHEET 2 OF 2 SHEETS | STA. 223+00.00 TO STA. 262+03.89

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	21
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			





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

PROFILE — SURVEYED; PLOTTED; DESIGNED; CHECKED; BAR. NOTED; STRUCTURE NOTATNS CHKD; NOTE BOOK; NO.; BY; DATE

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = JakeSc	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/29/2019	DATE - 3/29/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

W. BRIDGE STREET MULTI-USE PATH
PLAN AND PROFILE, PAVEMENT MARKINGS, AND SIGNS

SCALE: 20-H 5-V | SHEET 1 OF 9 SHEETS | STA. 215+00.00 TO STA. 217+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	22
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			

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

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
BM. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.

FILE NAME = S:\JOL\6400--6499\6437\102\Drawings\CAD\Microstation\CAD\Sheets\D412345-sht-plnprf-pmk-sign-2.dgn

MATCH LINE 217+00.00

END CROSS-SLOPE TRANSITION STA. 217+50

CENTERLINE OF PROPOSED MULTI-USE PATH

EXISTING PUBLIC UTILITY EASEMENT

CURVE 5 (SEE ALIGNMENT DETAIL FOR MORE INFORMATION)

PROPOSED MULTI-USE PATH (TYP.)

CURVE 6 (SEE ALIGNMENT DETAIL FOR MORE INFORMATION)

PIPE CULVERT, CLASS D, TYPE 1 15"
STA. 220+82, 10' LT INV. 584.86 TO
STA. 221+20, 12' RT INV. 585.31 - 45 LF @ 1.0%
INSTALL (2) METAL FLARED END SECTION, 15"

** SEE PATH DETAIL PLAN FOR STA. 221+50 - 223+00

W. EAMES STREET (US ROUTE 6)

EX ROW

10.0'

1.5%

2" - HMA SC "D" N50; BIT MATLS PR CT; AGG BASE CSE B 6
STA. 217+00.00 TO STA. 221+61.93

2-6 R5-3

STA. 222+53.51, 12.6' LT

CLASS D PATCHES, TYPE II, 5 INCH AND HMA SC "D" N50, 2 INCH - 12 SQ YD

THERMOPLASTIC PAVEMENT MARKING LINE 6" (WHITE) 5.00 LT - 76 LF

THERMOPLASTIC PAVEMENT MARKING LINE 12" (WHITE) (2' SPACING, 45°) - 213 LF

STA. 221+81.17, 14.0' LT

DETECTABLE WARNINGS - 20 SQ FT (TYP)

PC CONC SIDEWALK 5 - 36 SQ FT

PC CONC SIDEWALK 5
STA. 221+61.93 TO STA. 221+80.48

52.5' R

CLASS D PATCHES, TYPE II, 5 INCH AND HMA SC "D" N50, 2 INCH - 13 SQ YD

PR COMB CONC C&G TY B-6.12
STA. 221+75.31, 11.0' LT TO STA. 221+81.00, 10.0' RT - 23 LF

SIGN

STA. 221+87.57, 9.6' RT

THERMOPLASTIC PAVEMENT MARKING LINE 6" (WHITE) 5.00' RT - 66 LF

PR COMB CONC C&G TY B-6.12
STA. 222+53.51, 12.6' LT TO STA. 222+42.13, 5.0' RT - 21 LF

81.5' R

CURVE 7 (SEE ALIGNMENT DETAIL FOR MORE INFORMATION)

PC CONC SIDEWALK 5 - 32 SQ FT

PC CONC SIDEWALK 5
STA. 222+50.61 TO STA. 222+68.08

END PATH
STA. 222+68.08

2-7 R5-3

2-4 W11-15
2-5 W16-7P

MATCH LINE 223+00.00

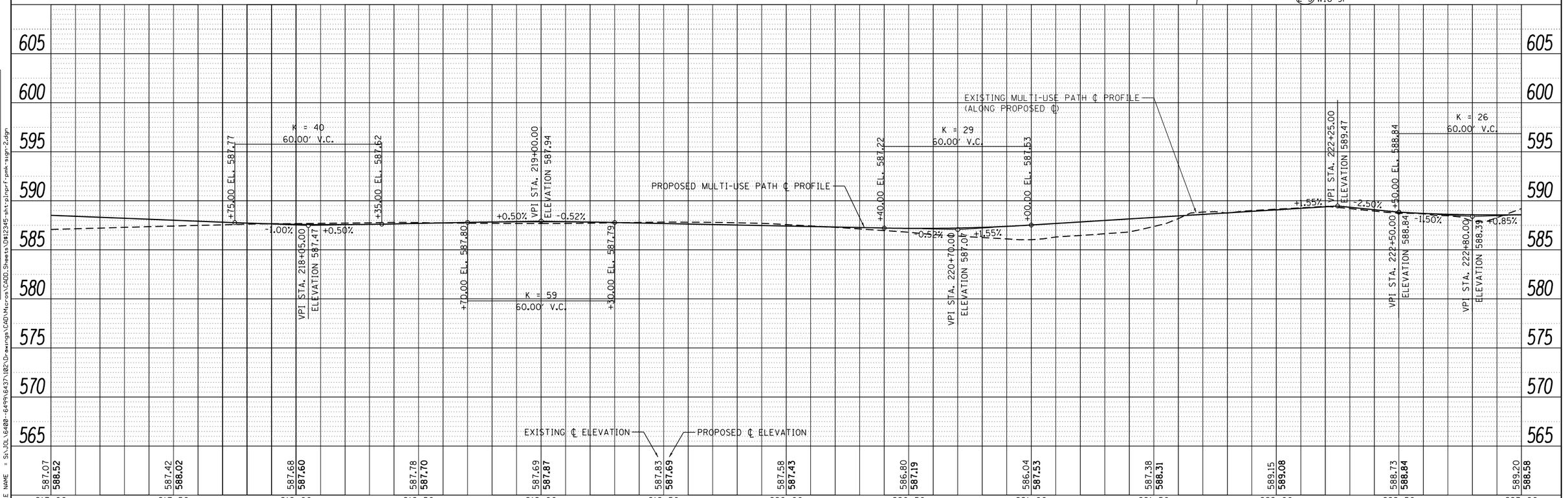
STA. 222+42.13, 5.0' RT

THERMOPLASTIC PAVEMENT MARKING LINE 24" (WHITE) 9.00' RT - 32 LF

S. MCKINLEY WOODS RD.

2-1 W11-15
2-2 W11-15P
2-3 W16-9P

SCALE IN FEET 0 20 40 60



STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = JakeSc	DESIGNED -	REVISED -
	MODEL NAME = Default	DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/29/2019	DATE - 3/29/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

W. BRIDGE STREET MULTI-USE PATH
PLAN AND PROFILE, PAVEMENT MARKINGS, AND SIGNS

SCALE: 20-H 5-V | SHEET 2 OF 9 SHEETS | STA. 217+00.00 TO STA. 223+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	23
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			

MATCH LINE 223+00.00

5' EDGE OF PAVEMENT TO CENTER OF SHARED LANE SYMBOL (TYP)

PAINT PAVEMENT MARKING LETTERS & SYMBOLS (WHITE), 8 SQ FT EACH (TYP)

EX ROW

STA. 228+25.00

MATCH LINE 229+00.00

223 224 225+00 226 227 228

CURVE 8 (SEE ALIGNMENT DETAIL FOR MORE INFORMATION)

CURVE 10 (SEE ALIGNMENT DETAIL FOR MORE INFORMATION)

CURVE 9 (SEE ALIGNMENT DETAIL FOR MORE INFORMATION)

W. BRIDGE STREET

MAY USE FULL LANE ENDS
3-1 R4-11
3-2 R3-17bp

MAY USE FULL LANE AHEAD
3-3 R4-11
3-4 R3-17ap

3-9 R4-11

N

0 20 40 60
SCALE IN FEET

605 600 595 590 585 580 575 570 565

NO PROFILE

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

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
BLM. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

FILE NAME = S:\JOL\6400-6499\6437\102\Drawings\CADD\Micro\CADD_Sheets\D412345-sht-plnpr-f-pmk-sign-3.dgn

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JOLIET, ILLINOIS 60431
(815) 744-4200

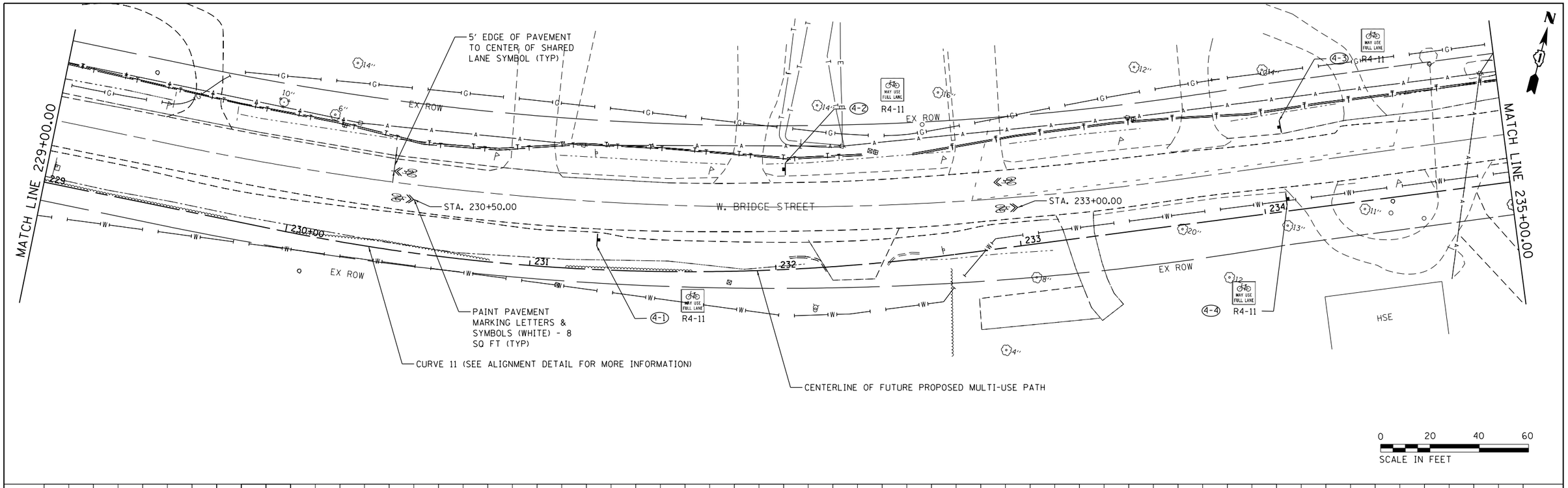
USER NAME = JakeSc	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/29/2019	DATE - 3/29/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

W. BRIDGE STREET MULTI-USE PATH
PLAN AND PROFILE, PAVEMENT MARKINGS, AND SIGNS

SCALE: 20-H 5-V | SHEET 3 OF 9 SHEETS | STA. 223+00.00 TO STA. 229+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	24
		CONTRACT NO. 61F18		
		ILLINOIS FED. AID PROJECT		



NO PROFILE

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

PROFILE: SURVEYED; PLOTTED; GRADES CHECKED; BM. NOTED; STRUCTURE NOTATNS CHKD; NOTE BOOK; NO.; BY; DATE

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USER NAME = JakeSc	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/29/2019	DATE - 3/29/2019	REVISED -

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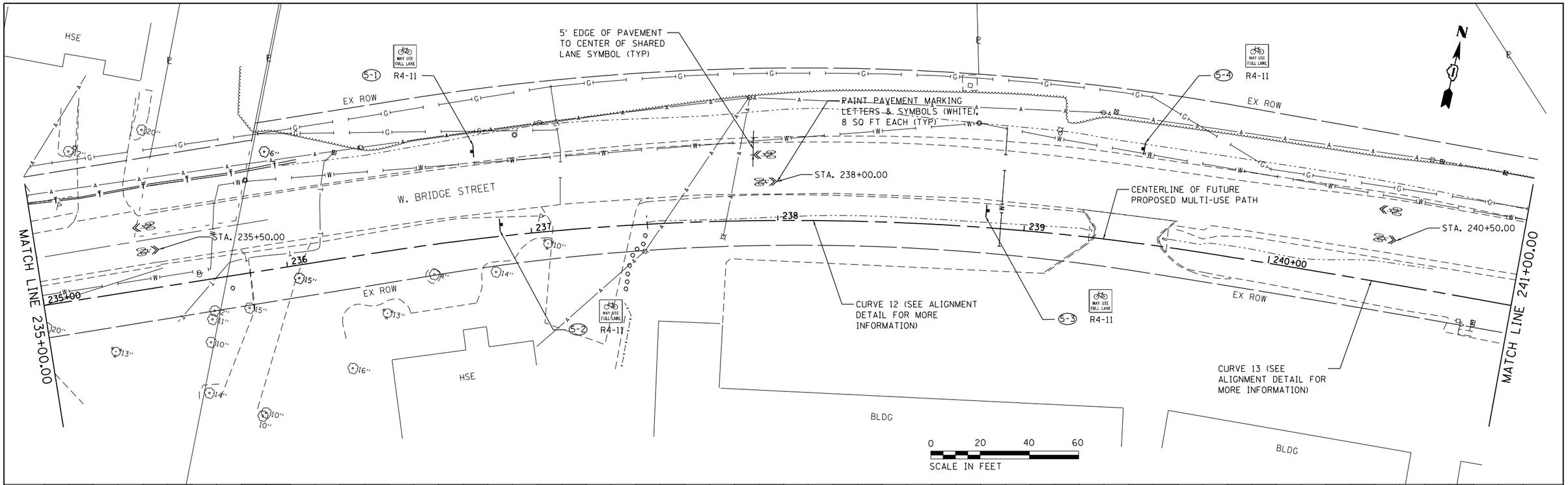
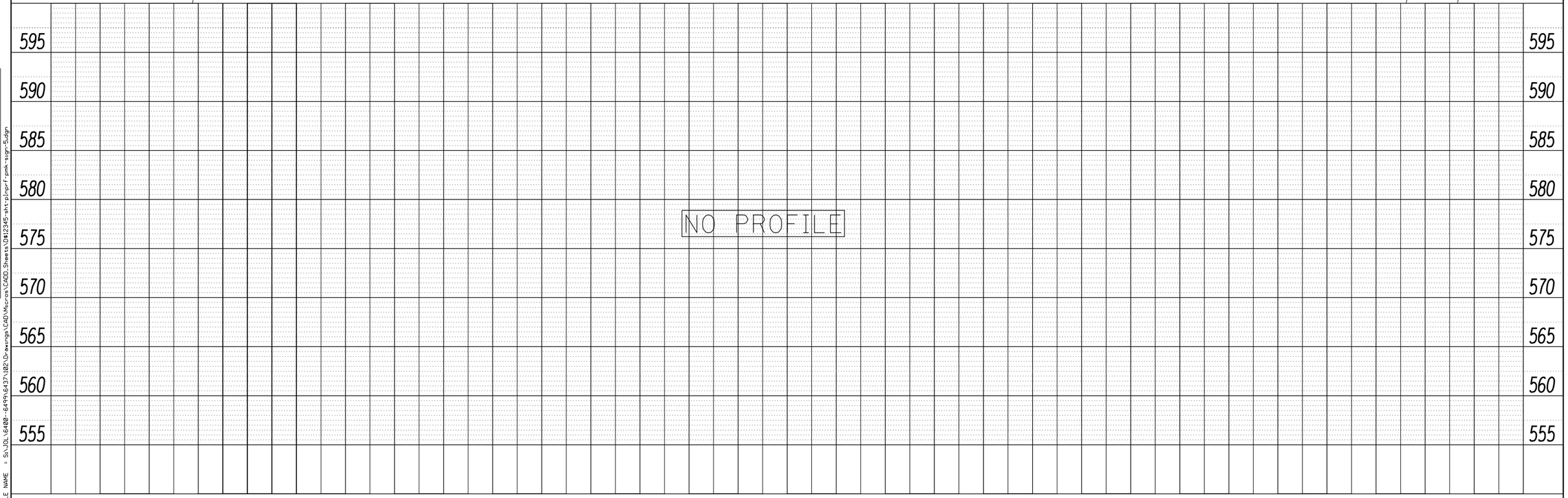
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

W. BRIDGE STREET MULTI-USE PATH
PLAN AND PROFILE, PAVEMENT MARKINGS, AND SIGNS

SCALE: 20-H 5-V | SHEET 4 OF 9 SHEETS | STA. 229+00.00 TO STA. 235+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	25
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			





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

PROFILE: SURVEYED — PLOTTED — DESIGN CHECKED — BM. NOTED — STRUCTURE NO(ATNS CHKD — NOTE BOOK — NO.

FILE NAME = S:\JOL\6400--6499\6437\102\Drawings\CADD\Micros\CADD_Sheets\D#12345-sht-plnprf-pmk-sign-5.dgn

STRAND ASSOCIATES
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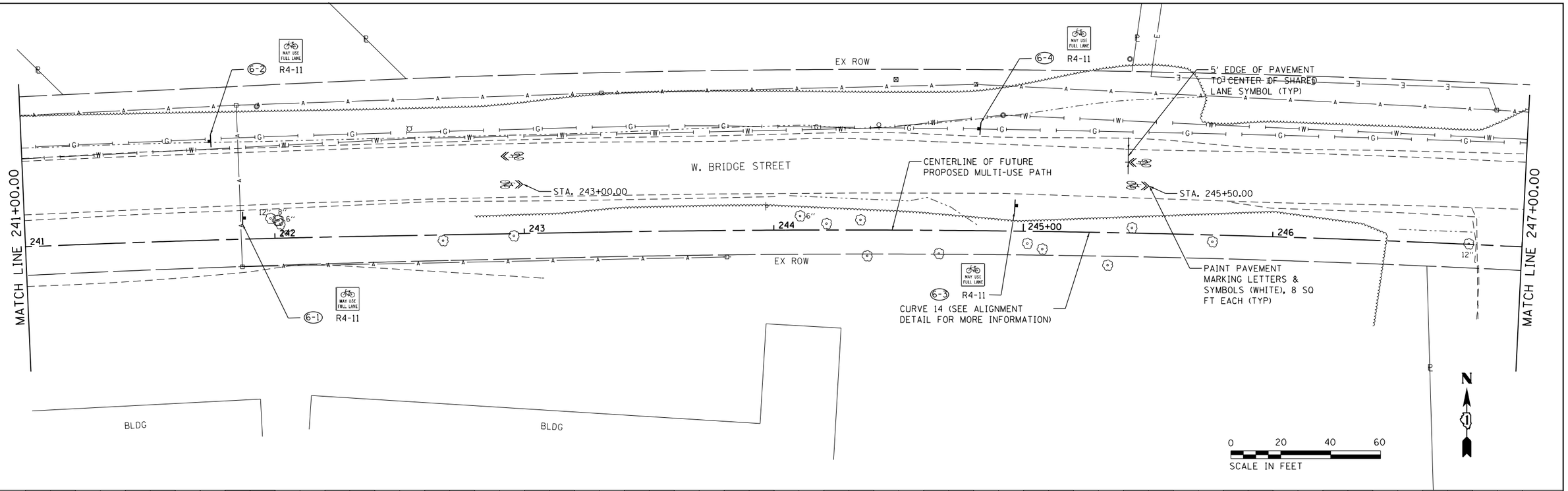
USER NAME = JakeSc	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/29/2019	DATE - 3/29/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

W. BRIDGE STREET MULTI-USE PATH
PLAN AND PROFILE, PAVEMENT MARKINGS, AND SIGNS

SCALE: 20-H 5-V | SHEET 5 OF 9 SHEETS | STA. 235+00.00 TO STA. 241+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	26
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			



575 570 565 560 555 550 545 540 535

NO PROFILE

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

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
BAR. NOTED
STRUCTURE NO(ATNS CHKD
NOTE BOOK
NO.
BY
DATE

FILE NAME = S:\JOL\6400-6499\6437\102\Drawings\CADD\Micros\CADD_Sheets\D#12345-sht-plnprf-pmk-sign-6.dgn

USER NAME = JakeSc	DESIGNED -	REVISED -	
MODEL NAME = Default	DRAWN -	REVISED -	
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/29/2019	DATE - 3/29/2019	REVISED -	

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DEPARTMENT OF TRANSPORTATION

W. BRIDGE STREET MULTI-USE PATH
PLAN AND PROFILE, PAVEMENT MARKINGS, AND SIGNS

SCALE: 20-H 5-V | SHEET 6 OF 9 SHEETS | STA. 241+00.00 TO STA. 247+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	27
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			

MATCH LINE 247+00.00

MATCH LINE 253+00.00

EX ROW

CENTERLINE OF FUTURE PROPOSED MULTI-USE PATH

STA. 248+00.00

STA. 249+25.00

STA. 251+75.00

W. BRIDGE STREET

5' EDGE OF PAVEMENT TO CENTER OF SHARED LANE SYMBOL (TYP)

PAINT PAVEMENT MARKING LETTERS & SYMBOLS (WHITE), 8 SQ FT EACH (TYP)

FLAG POLE

S. PARKSIDE DRIVE

7-1 R4-11

7-2 D11-1

7-3 M6-4

7-4 R4-11

7-5 R4-11

7-6 R4-11

MAY USE FULL LANE

BIKE ROUTE

CURVE 15 (SEE ALIGNMENT DETAIL FOR MORE INFORMATION)

CURVE 16 (SEE ALIGNMENT DETAIL FOR MORE INFORMATION)

CURVE 17 (SEE ALIGNMENT DETAIL FOR MORE INFORMATION)

CURVE 18 (SEE ALIGNMENT DETAIL FOR MORE INFORMATION)

CURVE 19 (SEE ALIGNMENT DETAIL FOR MORE INFORMATION)

247 248 249 250+00 251 252

0 20 40 60

SCALE IN FEET

N

555 550 545 540 535 530 525 520 515

NO PROFILE

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

PROFILE
SURVEYED
PLOTTED
DESIGN CHECKED
BAR. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.
BY
DATE

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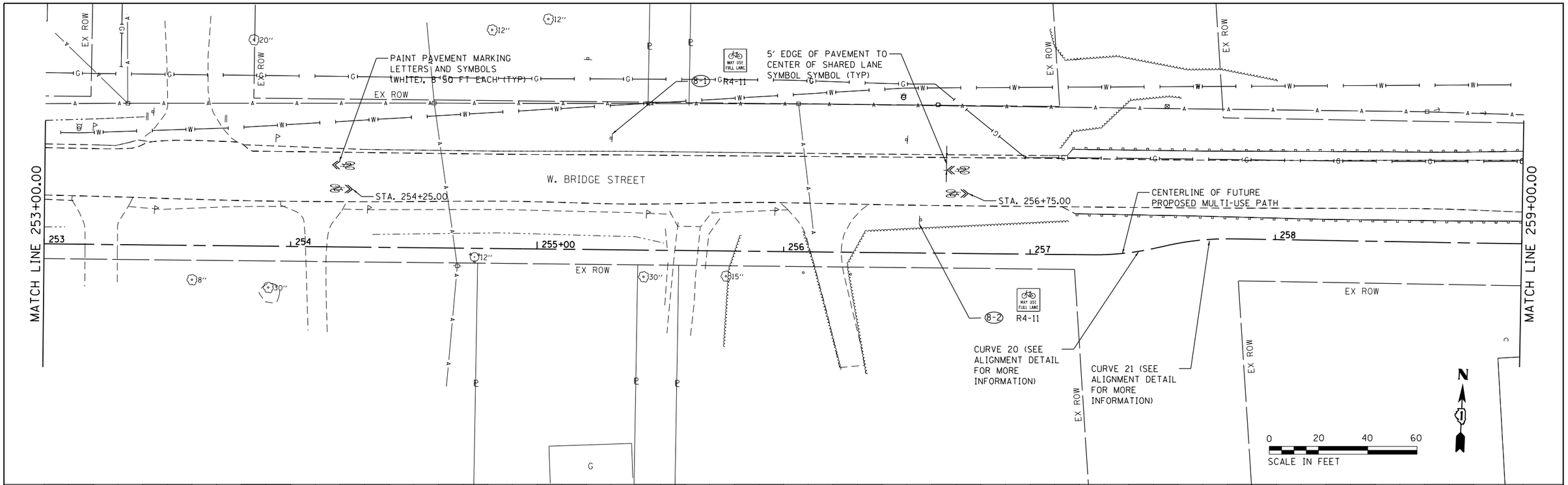
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/29/2019	DATE - 3/29/2019	REVISED -

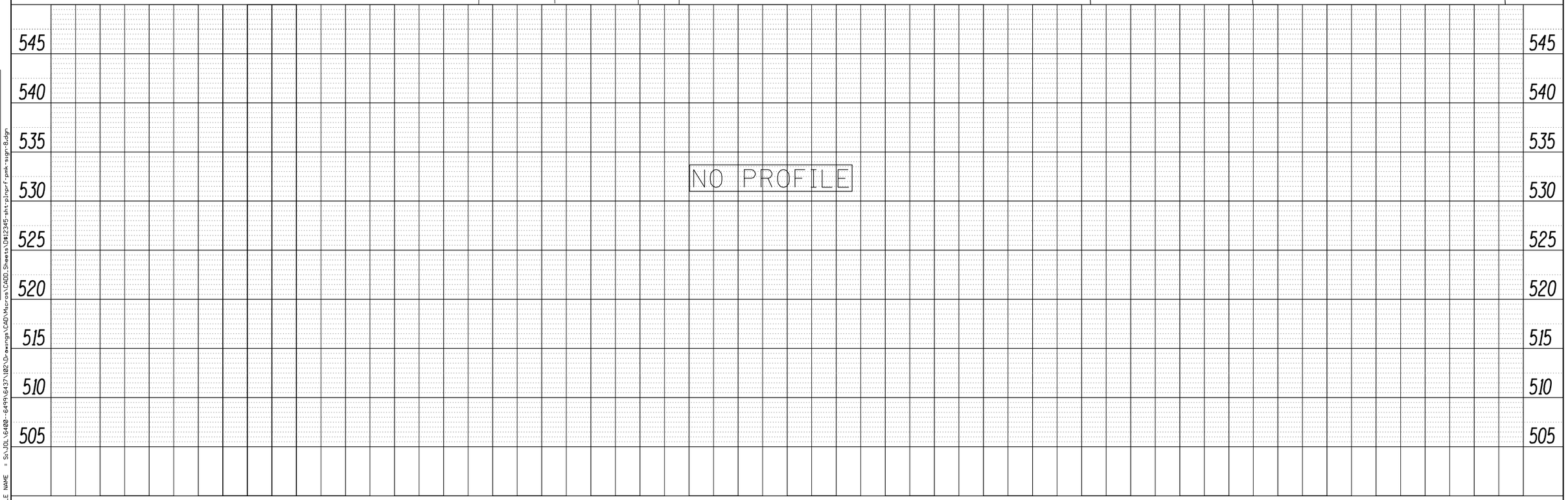
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

W. BRIDGE STREET MULTI-USE PATH
PLAN AND PROFILE, PAVEMENT MARKINGS, AND SIGNS

SCALE: 20-H 5-V | SHEET 7 OF 9 SHEETS | STA. 247+00.00 TO STA. 253+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	28
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			





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

PROFILE
SURVEYED
PLOTTED
DESIGN CHECKED
BAR. NOTED
STRUCTURE NOTATNS CHKD
NOTE BOOK
NO.

FILE NAME = S:\JOL\6400-6499\6437\102\Drawings\CADD\Macros\CADD_Sheets\D#12345-sht-plnprf-pmk-sign-8.dgn

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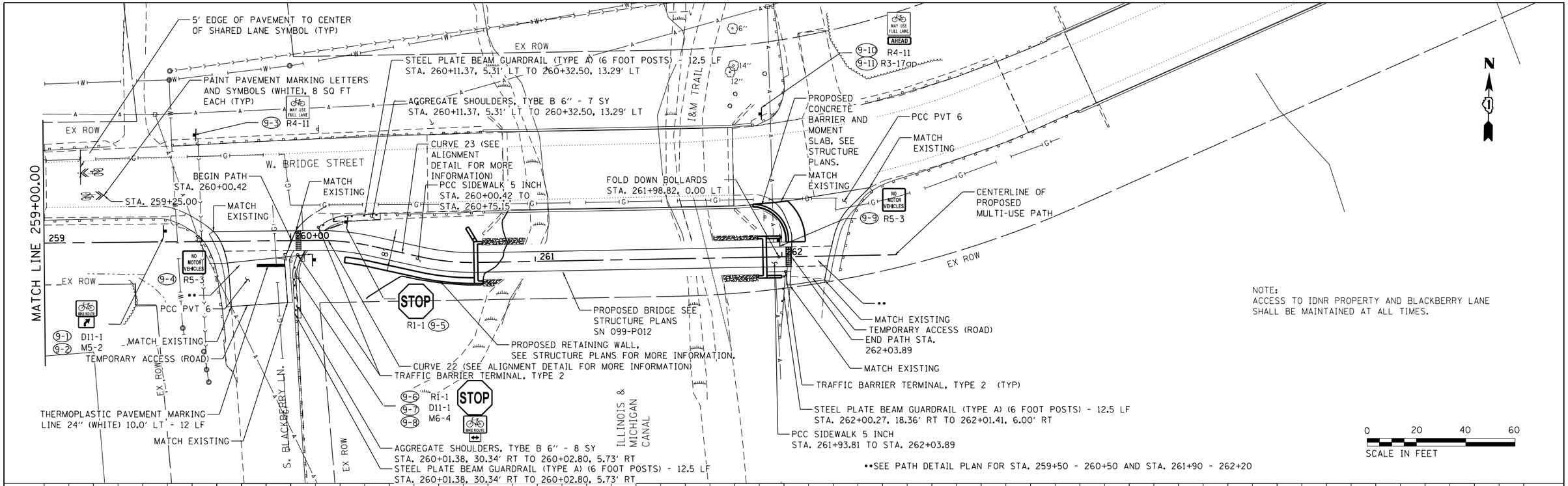
USER NAME = JakeSc	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/29/2019	DATE - 3/29/2019	REVISED -

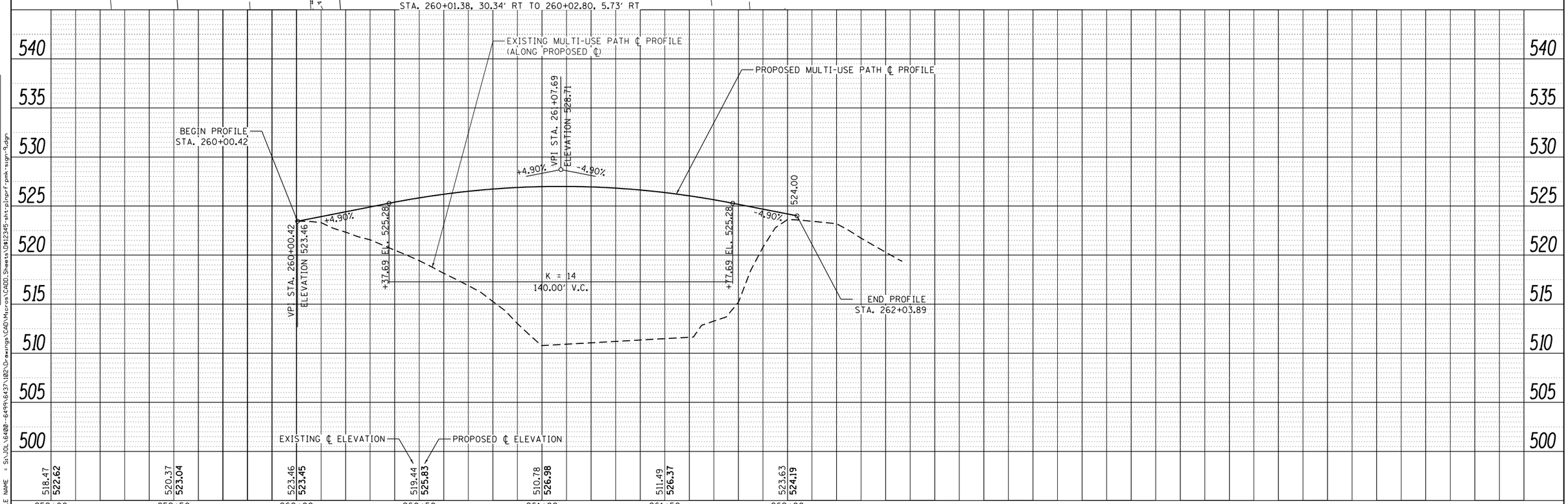
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

W. BRIDGE STREET MULTI-USE PATH
PLAN AND PROFILE, PAVEMENT MARKINGS, AND SIGNS

SCALE: 20-H 5-V | SHEET 8 OF 9 SHEETS | STA. 253+00.00 TO STA. 259+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	29
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			





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

PROFILE — SURVEYED, PLOTTED, CROSS SECTIONS CHECKED, BM. NOTED, STRUCTURE NOTATNS CHKD, BY, DATE

FILE NAME = S:\JOL\6400-6499\6437\102\Drawings\CADD\Micros\CADD_Sheets\D412345-sht-plnprf-pmk-sign-9.dgn

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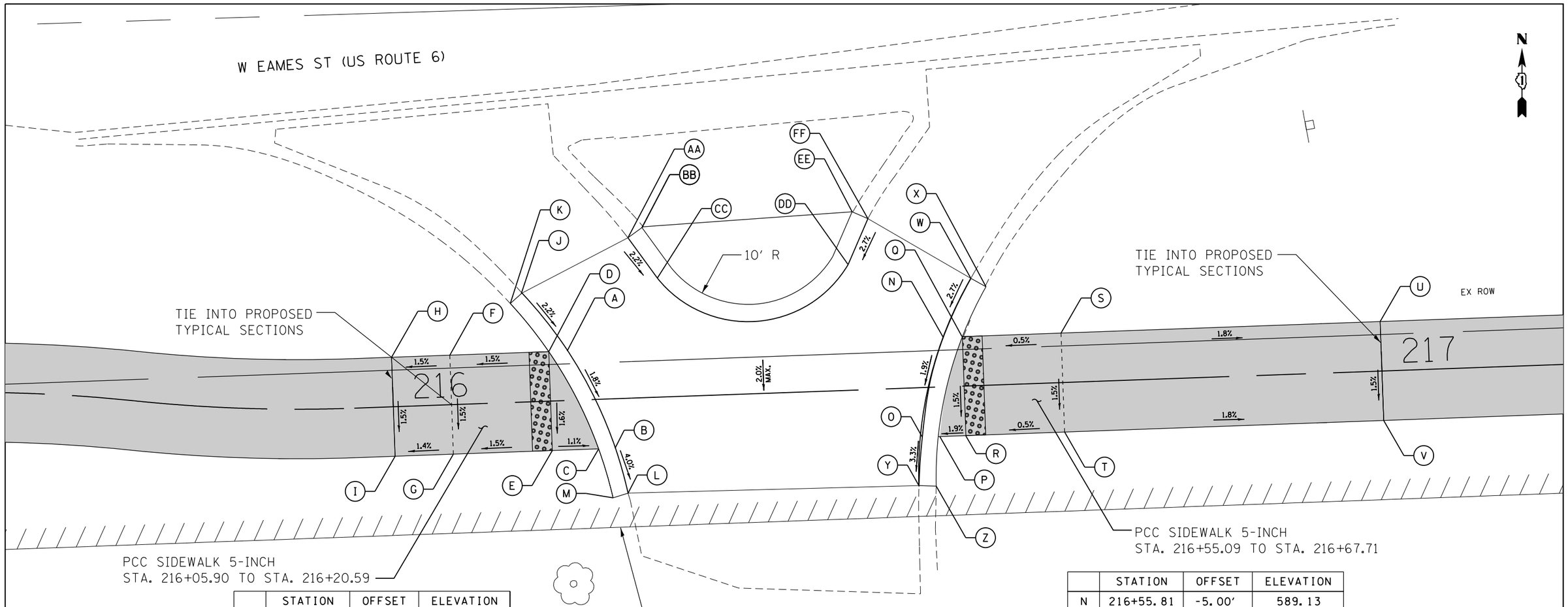
USER NAME = JakeSc	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/29/2019	DATE - 3/29/2019	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

W. BRIDGE STREET MULTI-USE PATH
PLAN AND PROFILE, PAVEMENT MARKINGS, AND SIGNS

SCALE: 20-H 5-V | SHEET 9 OF 9 SHEETS | STA. 259+00.00 TO STA. 262+03.89

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	30
		CONTRACT NO. 61F18		
		ILLINOIS FED. AID PROJECT		



	STATION	OFFSET	ELEVATION
A	216+17.76	-5.00′	588.99
B	216+22.25	5.00′	588.79
C	216+20.59	5.00′	588.78
D	216+15.90	-5.00′	588.98
E	216+15.90	5.00′	588.83
F	216+05.90	-5.00′	588.83
G	216+05.90	5.00′	588.68
H	216+00.00	-5.00	588.74
I	216+00.00	5.00	588.60
J	216+13.41	-11.00′	(589.15)
K	216+12.19	-10.00′	(589.50)
L	216+23.40	9.58′	(588.60)
M	216+21.87	10.00′	(588.80)

	STATION	OFFSET	ELEVATION
N	216+55.81	-5.00′	589.13
O	216+53.33	5.00′	588.93
P	216+55.09	5.00′	588.92
Q	216+57.71	-5.00′	589.12
R	216+57.71	5.00′	588.97
S	216+67.71	-5.00′	589.17
T	216+67.71	5.00′	589.02
U	217+00.00	-5.00′	588.60
V	217+00.00	5.00′	588.45
W	216+58.81	-10.86′	(589.31)
X	216+60.31	-9.95′	(589.76)
Y	216+52.81	9.88′	(588.77)
Z	216+54.56	10.00′	(589.28)
AA	216+24.32	-16.21	(589.65)
BB	216+25.77	-17.19′	(590.06)
CC	216+27.14	-12.02′	589.54
DD	216+46.46	-12.70′	589.66
EE	216+47.06	-18.00′	(590.32)
FF	216+48.64	-17.25′	(589.80)

LEGEND

PROPOSED BIKE PATH

( ) EXISTING ELEVATION/SLOPE

DETECTABLE WARNINGS

0 5 10
SCALE IN FEET

FILE NAME = S:\JOL\6400-6499\6437\102\Drawings\CAD\Micros\CADD_Sheets\D812345-sht-ADdetail 01.dgn

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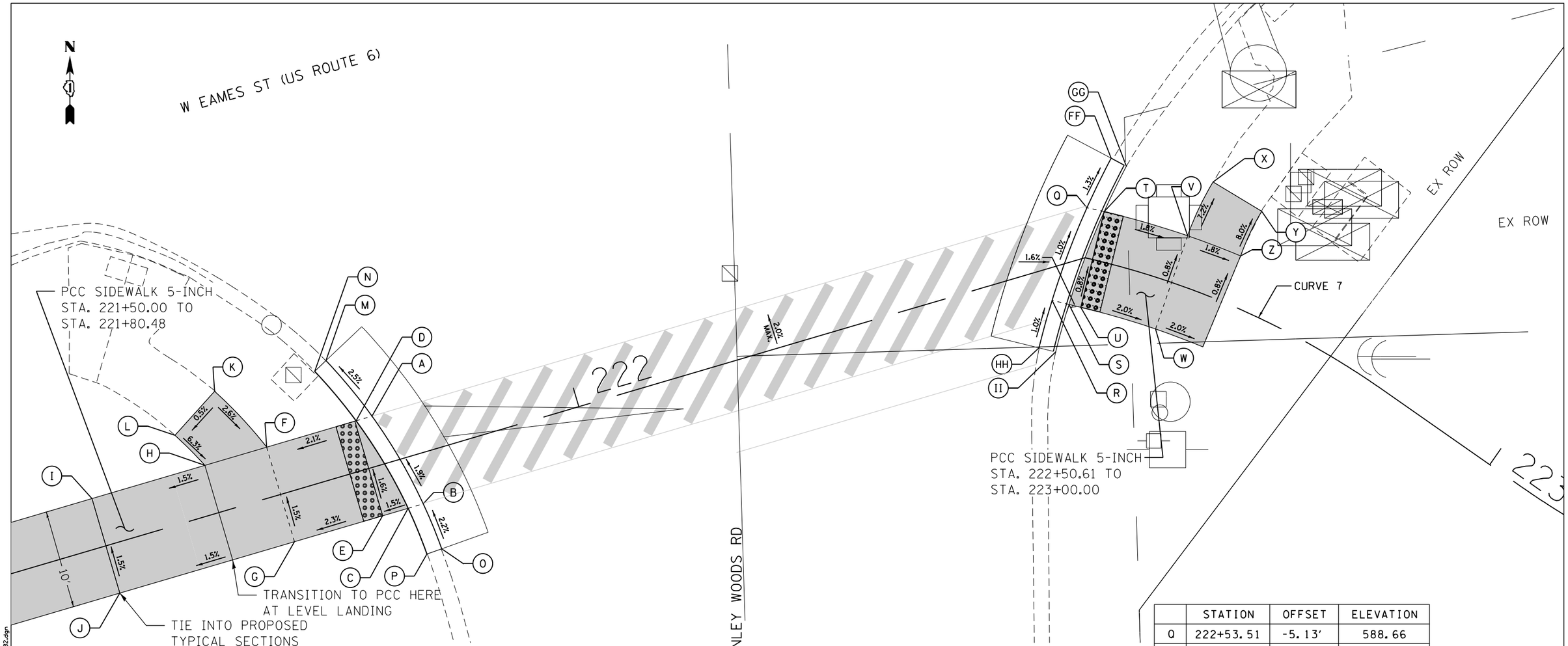
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/29/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PATH DETAIL PLAN

SCALE: 1" = 5' | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	31
		CONTRACT NO. 61F1B		
	ILLINOIS FED. AID PROJECT			



	STATION	OFFSET	ELEVATION
A	221+79.61	-5.00′	588.72
B	221+82.07	5.00′	588.92
C	221+80.48	5.00′	588.91
D	221+77.79	-5.00′	588.71
E	221+77.79	5.00′	588.87
F	221+68.47	-5.00′	588.51
G	221+68.47	5.00′	588.66
H	221+61.93	-5.00′	588.41
I	221+50.00	-5.00′	588.23
J	221+50.00	5.00′	588.38
K	221+65.00	-11.92′	(588.71)
L	221+59.88	-8.78′	(588.68)
M	221+76.72	-11.72′	(588.54)
N	221+75.31	-11.00′	(588.94)
O	221+82.58	9.91′	(589.03)
P	221+81.00	10.00	(589.30)

	STATION	OFFSET	ELEVATION
Q	222+53.51	-5.13′	588.66
R	222+49.04	3.17′	588.76
S	222+50.61	5.00′	588.75
T	222+54.31	-5.00′	588.65
U	222+54.31	5.00′	588.73
V	222+62.65	-5.00′	588.49
W	222+62.65	5.00′	588.57
X	222+63.25	-11.00′	(588.06)
Y	222+68.29	-10.00′	(587.99)
Z	222+68.08	-5.00′	588.39
FF	222+53.81	-10.43′	(588.59)
GG	222+55.32	-10.00′	(588.83)
HH	222+46.45	7.45′	(588.81)
II	222+47.97	8.33′	(589.21)

LEGEND

PROPOSED BIKE PATH

( ) EXISTING ELEVATION/SLOPE

DETECTABLE WARNINGS

0 5 10
SCALE IN FEET

FILE NAME = S:\JOL\6400-6499\6437\102\Drawings\CAD\Micros\CADD_Sheets\D#12345-sht-A0detail 02.dgn

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JOLIET, ILLINOIS 60431
(815) 744-4200

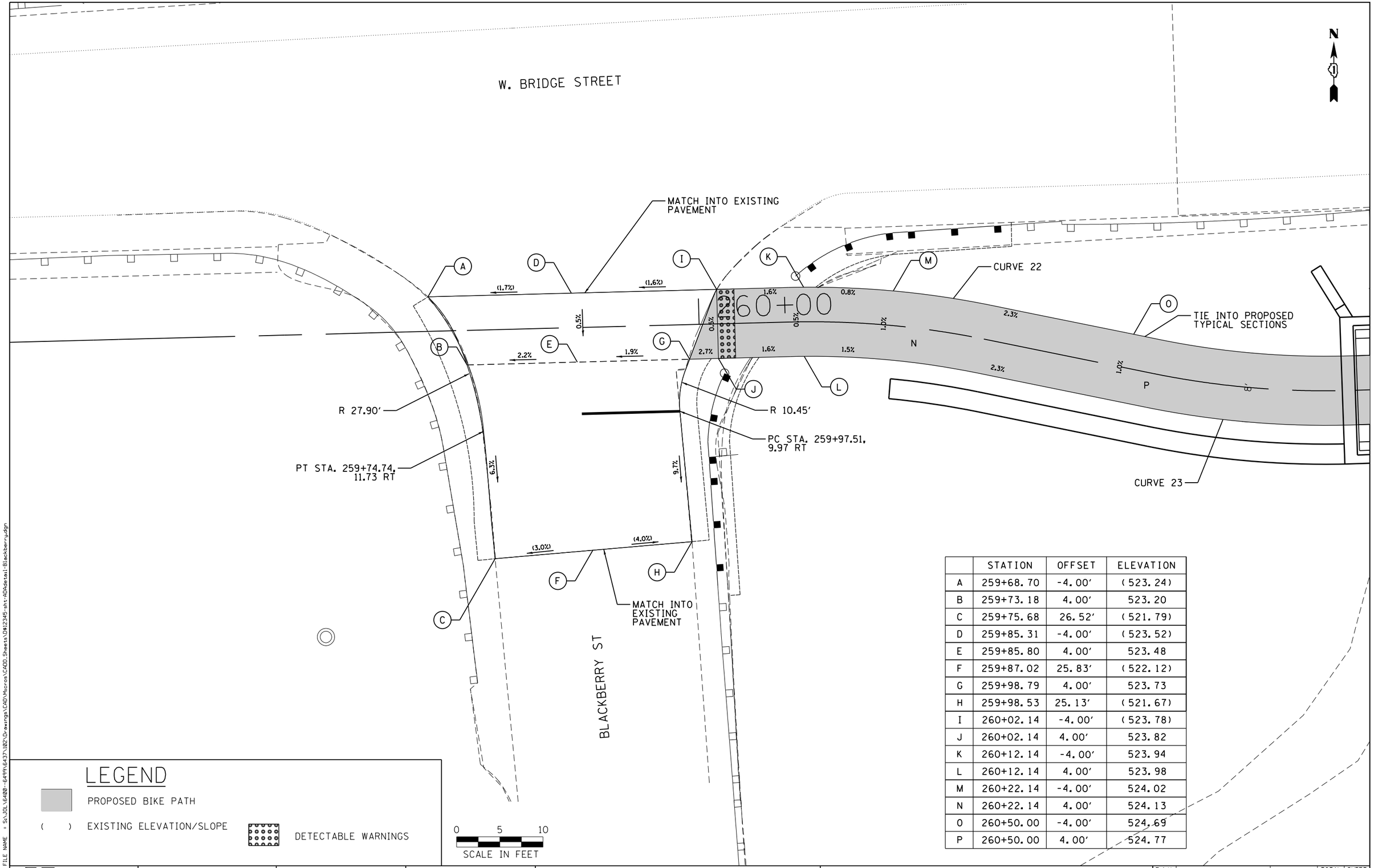
USER NAME = JakeSc	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/29/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PATH DETAIL PLAN

SCALE: 1" = 5' | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	32
		CONTRACT NO. 61F1B		
	ILLINOIS FED. AID PROJECT			



	STATION	OFFSET	ELEVATION
A	259+68.70	-4.00'	(523.24)
B	259+73.18	4.00'	523.20
C	259+75.68	26.52'	(521.79)
D	259+85.31	-4.00'	(523.52)
E	259+85.80	4.00'	523.48
F	259+87.02	25.83'	(522.12)
G	259+98.79	4.00'	523.73
H	259+98.53	25.13'	(521.67)
I	260+02.14	-4.00'	(523.78)
J	260+02.14	4.00'	523.82
K	260+12.14	-4.00'	523.94
L	260+12.14	4.00'	523.98
M	260+22.14	-4.00'	524.02
N	260+22.14	4.00'	524.13
O	260+50.00	-4.00'	524.69
P	260+50.00	4.00'	524.77

LEGEND

PROPOSED BIKE PATH

( ) EXISTING ELEVATION/SLOPE

DETECTABLE WARNINGS

FILE NAME = S:\JOL\64001-64999\64371\102\Drawings\CAD\Micros\CADD Sheets\D812345-sht-ADdetail-Blackberry.dgn

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1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

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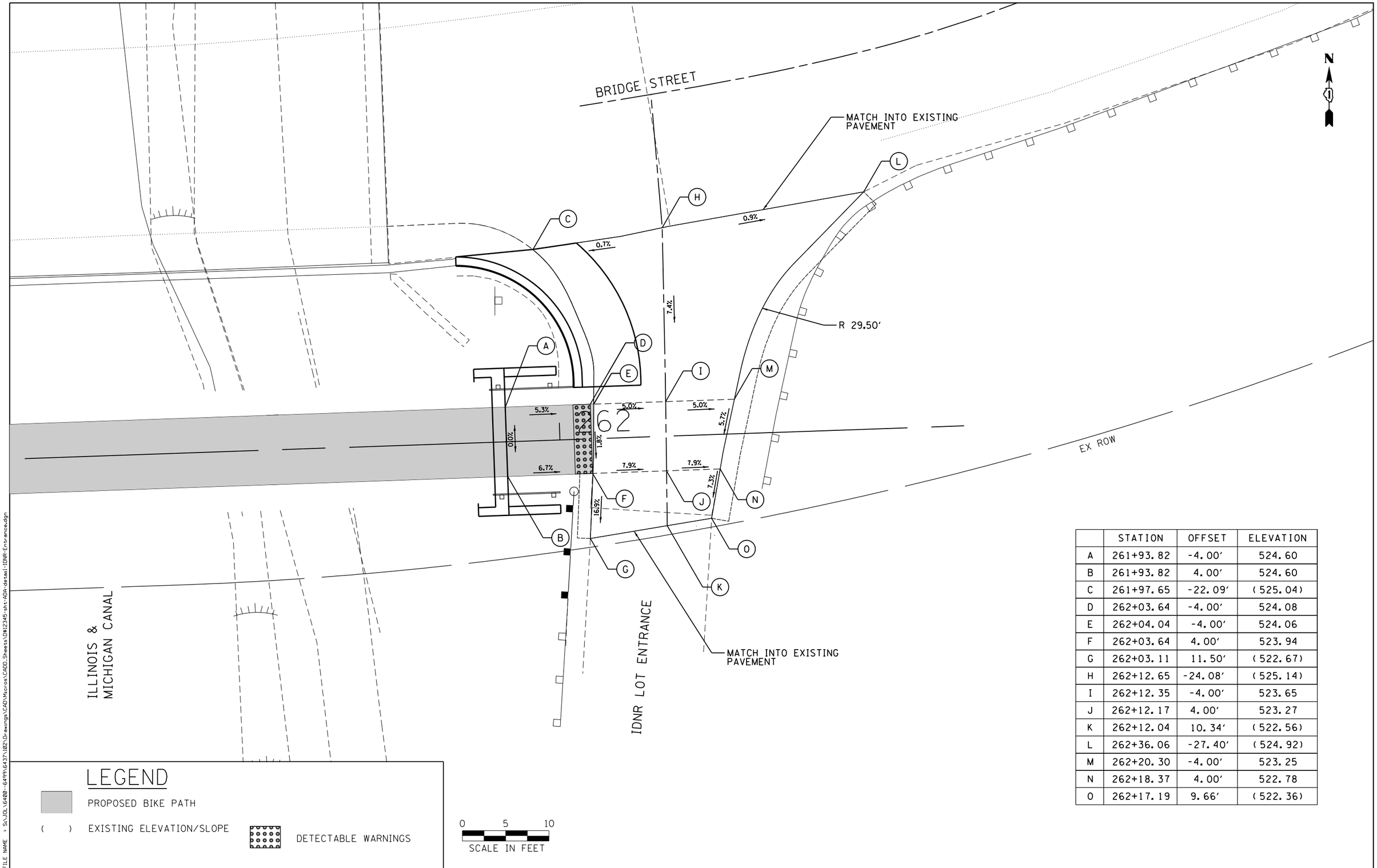
MODEL NAME = Default	DRAWN -	REVISED -	
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/29/2019	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BLACKBERRY STREET
INTERSECTION DETAIL PLAN

SCALE: 1" = 5' | SHEET 1 OF 2 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	33
		CONTRACT NO. 61F1B		
	ILLINOIS FED. AID PROJECT			



	STATION	OFFSET	ELEVATION
A	261+93.82	-4.00'	524.60
B	261+93.82	4.00'	524.60
C	261+97.65	-22.09'	(525.04)
D	262+03.64	-4.00'	524.08
E	262+04.04	-4.00'	524.06
F	262+03.64	4.00'	523.94
G	262+03.11	11.50'	(522.67)
H	262+12.65	-24.08'	(525.14)
I	262+12.35	-4.00'	523.65
J	262+12.17	4.00'	523.27
K	262+12.04	10.34'	(522.56)
L	262+36.06	-27.40'	(524.92)
M	262+20.30	-4.00'	523.25
N	262+18.37	4.00'	522.78
O	262+17.19	9.66'	(522.36)

LEGEND

PROPOSED BIKE PATH

( ) EXISTING ELEVATION/SLOPE

DETECTABLE WARNINGS

0 5 10
SCALE IN FEET

FILE NAME = S:\JOL\6400-6499\6437\102\Drawings\CADD\Micros\CADD Sheets\0812345-sht-ADA-detail-IDNR-Entrance.dgn

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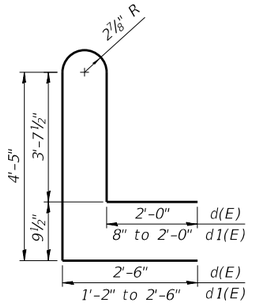
PLOT DATE = 3/29/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

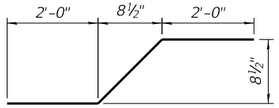
IDNR LOT ENTRANCE
INTERSECTION DETAIL PLAN

SCALE: 1" = 5' | SHEET OF SHEETS | STA. | TO STA.

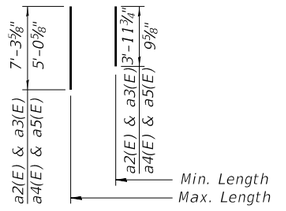
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	34
		CONTRACT NO. 61F1B		
	ILLINOIS FED. AID PROJECT			



BAR d(E) & d1(E)

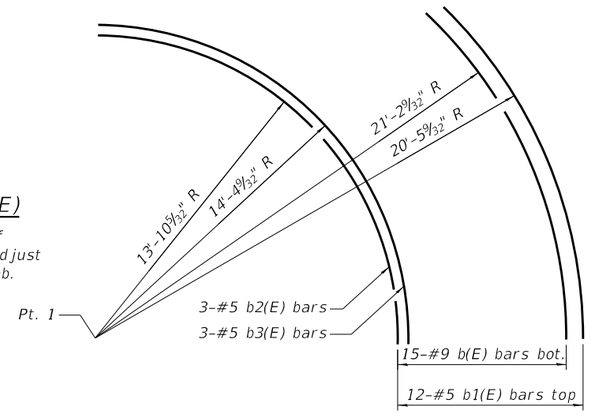


BAR a7(E)



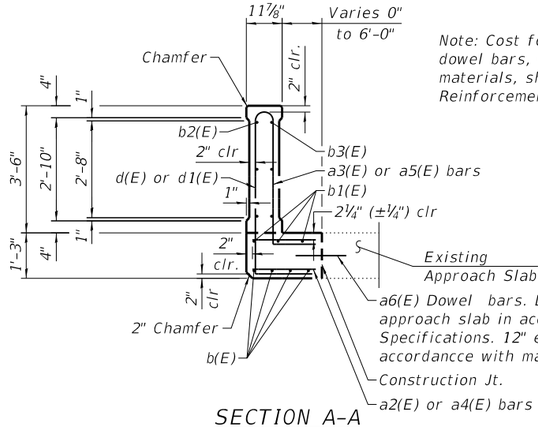
BARs a2(E), a3(E), a4(E) & a5(E)

Note: Length Varies based on placement of reinforcement bars. Contractor to verify and adjust length when matching existing approach slab.



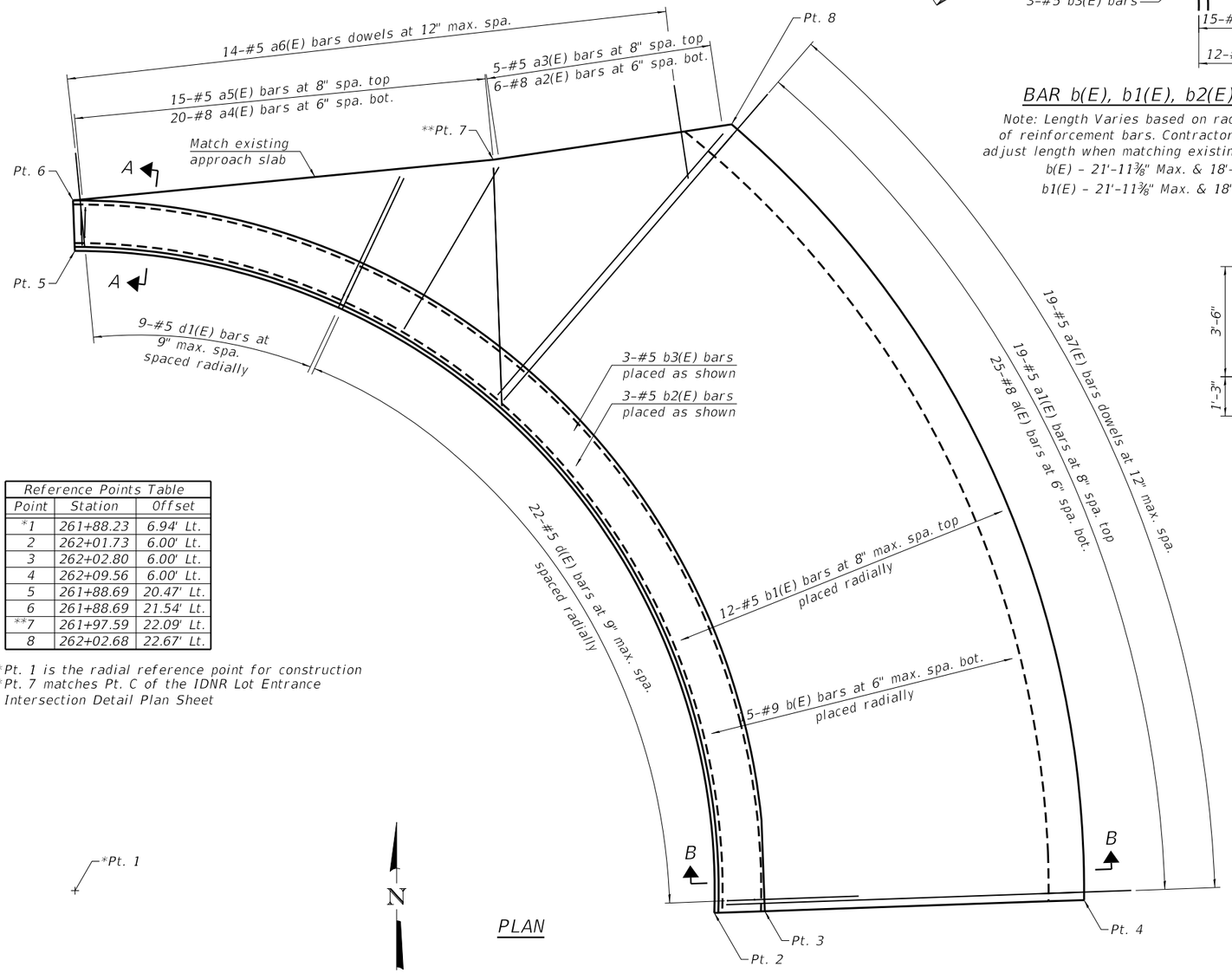
BAR b(E), b1(E), b2(E) & b3(E)

Note: Length Varies based on radial placement of reinforcement bars. Contractor to verify and adjust length when matching existing approach slab.
b(E) - 21'-11⅜" Max. & 18'-3¼"Min.
b1(E) - 21'-11⅜" Max. & 18'-2¾"Min.



Note: Cost for drilling and grouting dowel bars, which includes all labor and materials, shall be paid under Reinforcement Bars, Epoxy Coated.

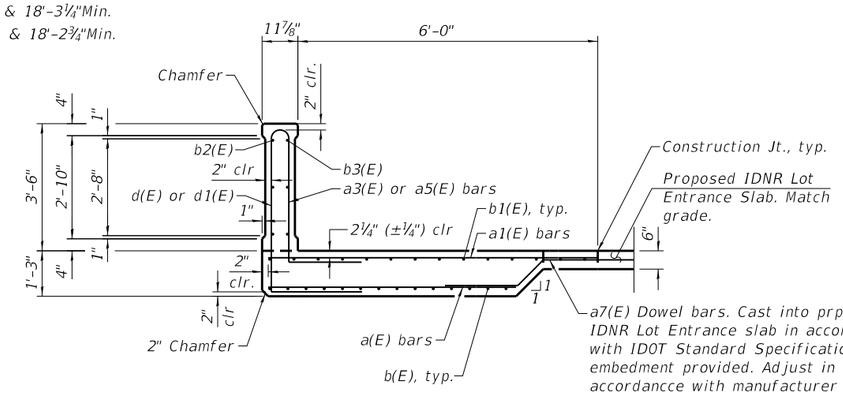
SECTION A-A



PLAN

Reference Points Table		
Point	Station	Offset
*1	261+88.23	6.94' Lt.
2	262+01.73	6.00' Lt.
3	262+02.80	6.00' Lt.
4	262+09.56	6.00' Lt.
5	261+88.69	20.47' Lt.
6	261+88.69	21.54' Lt.
**7	261+97.59	22.09' Lt.
8	262+02.68	22.67' Lt.

*Pt. 1 is the radial reference point for construction
**Pt. 7 matches Pt. C of the IDNR Lot Entrance Intersection Detail Plan Sheet



SECTION B-B

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	25	#8	7'-5"	
a1(E)	19	#5	7'-5"	
a2(E)	6	#8	Varies	
a3(E)	5	#5	Varies	
a4(E)	20	#8	Varies	
a5(E)	15	#5	Varies	
a6(E)	14	#5	2'-0"	
a7(E)	19	#5	5'-0"	
b(E)	15	#9	Varies	
b1(E)	12	#5	Varies	
b2(E)	3	#5	21'-11"	
b3(E)	3	#5	22'-0"	
d(E)	22	#5	13'-4"	
d1(E)	9	#5	Varies	
Structure Excavation			Cu Yd	8
Concrete Structures			Cu Yd	10
Reinforcement Bars, Epoxy Coated			Pound	2,930
Concrete Sealer			Sq Ft	368

FILE NAME = SA\JOL\6408-6499\6437\102\Drawings\CADD\Micros\CADD_Sheets\899-P012-xxxx-00X-BANCH.dgn

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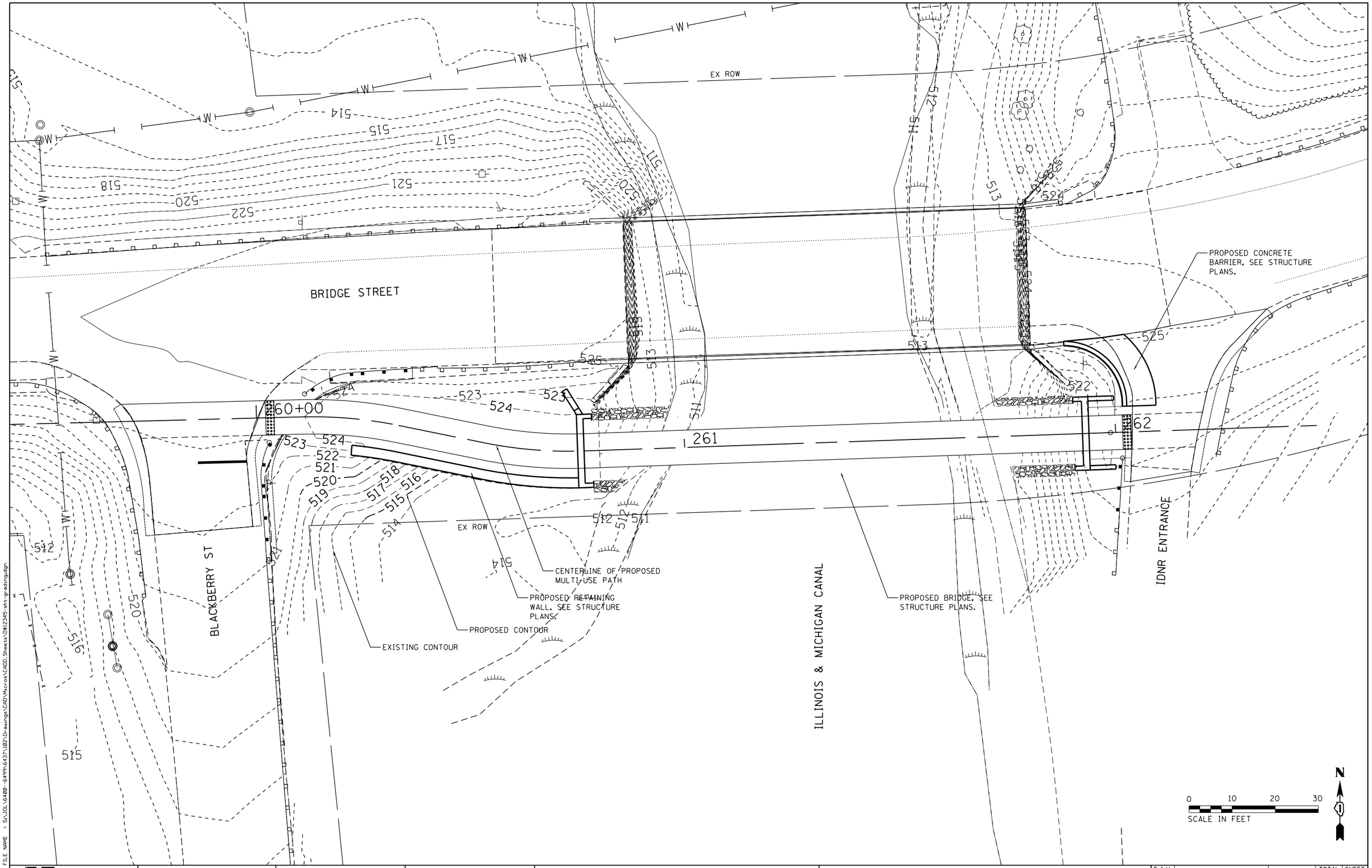
PLOT SCALE =	DRAWN - BJF	REVISED -	
PLOT DATE = 3/29/2019	CHECKED - BRL	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BARRIER AND ANCHORAGE SLAB AT IDNR LOT ENTRANCE

SHEET NO. 1 OF 1 SHEETS

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1003	15-00024-00-BT	WILL	62	35
		CONTRACT NO. 61F18		
		ILLINOIS FED. AID PROJECT		



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PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/29/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GRADING PLAN

SCALE: 1"=10' | SHEET 1 OF 1 SHEETS | STA. 259+65.00 TO STA. 261+25.00

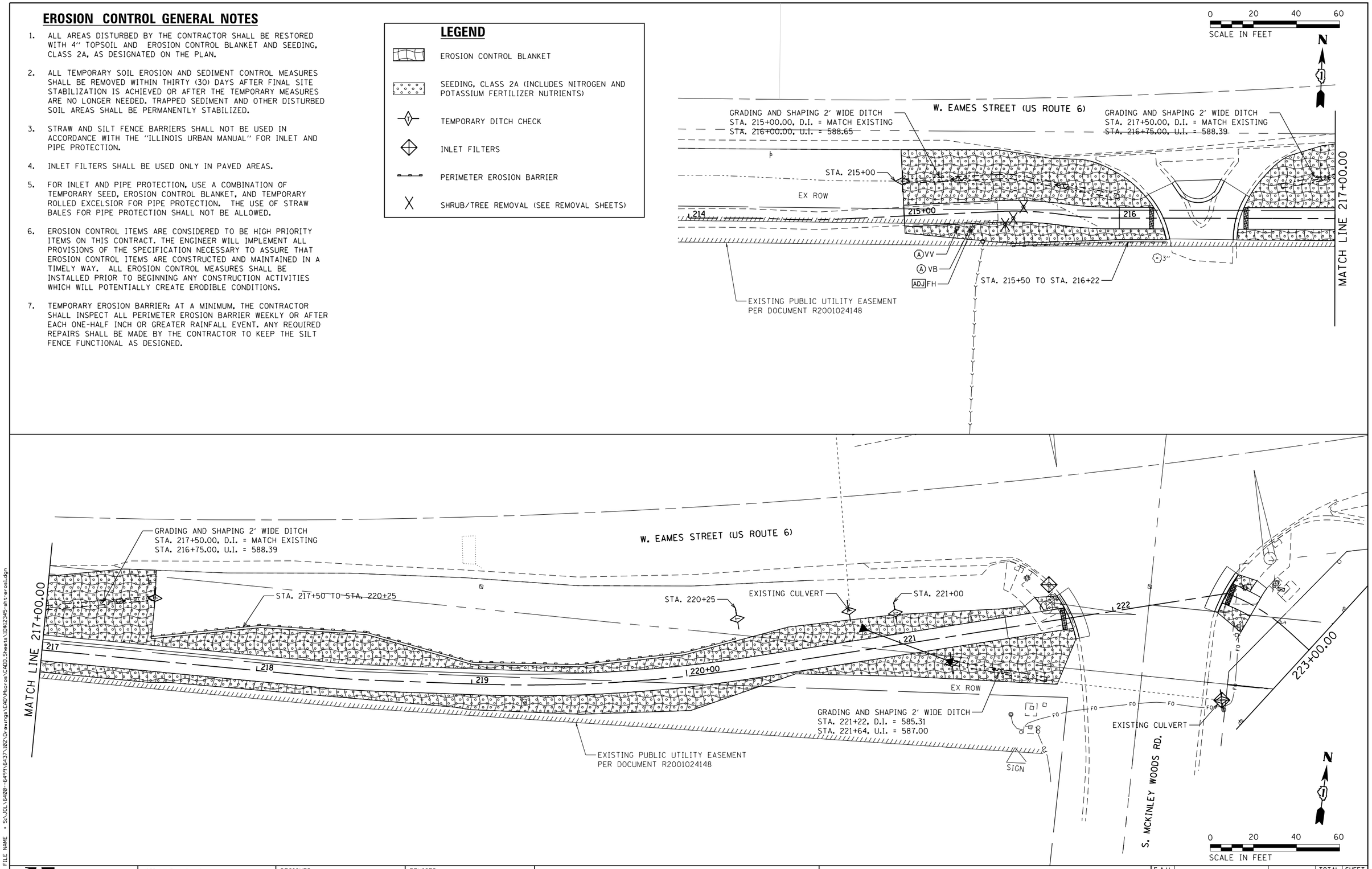
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	36
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			

EROSION CONTROL GENERAL NOTES

1. ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED WITH 4" TOPSOIL AND EROSION CONTROL BLANKET AND SEEDING, CLASS 2A, AS DESIGNATED ON THE PLAN.
2. ALL TEMPORARY SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.
3. STRAW AND SILT FENCE BARRIERS SHALL NOT BE USED IN ACCORDANCE WITH THE "ILLINOIS URBAN MANUAL" FOR INLET AND PIPE PROTECTION.
4. INLET FILTERS SHALL BE USED ONLY IN PAVED AREAS.
5. FOR INLET AND PIPE PROTECTION, USE A COMBINATION OF TEMPORARY SEED, EROSION CONTROL BLANKET, AND TEMPORARY ROLLED EXCELSIOR FOR PIPE PROTECTION. THE USE OF STRAW BALES FOR PIPE PROTECTION SHALL NOT BE ALLOWED.
6. EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODIBLE CONDITIONS.
7. TEMPORARY EROSION BARRIER: AT A MINIMUM, THE CONTRACTOR SHALL INSPECT ALL PERIMETER EROSION BARRIER WEEKLY OR AFTER EACH ONE-HALF INCH OR GREATER RAINFALL EVENT. ANY REQUIRED REPAIRS SHALL BE MADE BY THE CONTRACTOR TO KEEP THE SILT FENCE FUNCTIONAL AS DESIGNED.

LEGEND

- EROSION CONTROL BLANKET
- SEEDING, CLASS 2A (INCLUDES NITROGEN AND POTASSIUM FERTILIZER NUTRIENTS)
- TEMPORARY DITCH CHECK
- INLET FILTERS
- PERIMETER EROSION BARRIER
- SHRUB/TREE REMOVAL (SEE REMOVAL SHEETS)



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	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/29/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

W. BRIDGE STREET MULTIUSE PATH
TEMPORARY AND PERMANENT EROSION CONTROL PLAN

SCALE: 1" = 20' | SHEET 1 OF 2 SHEETS | STA. 214+00.00 TO STA. 223+00.00

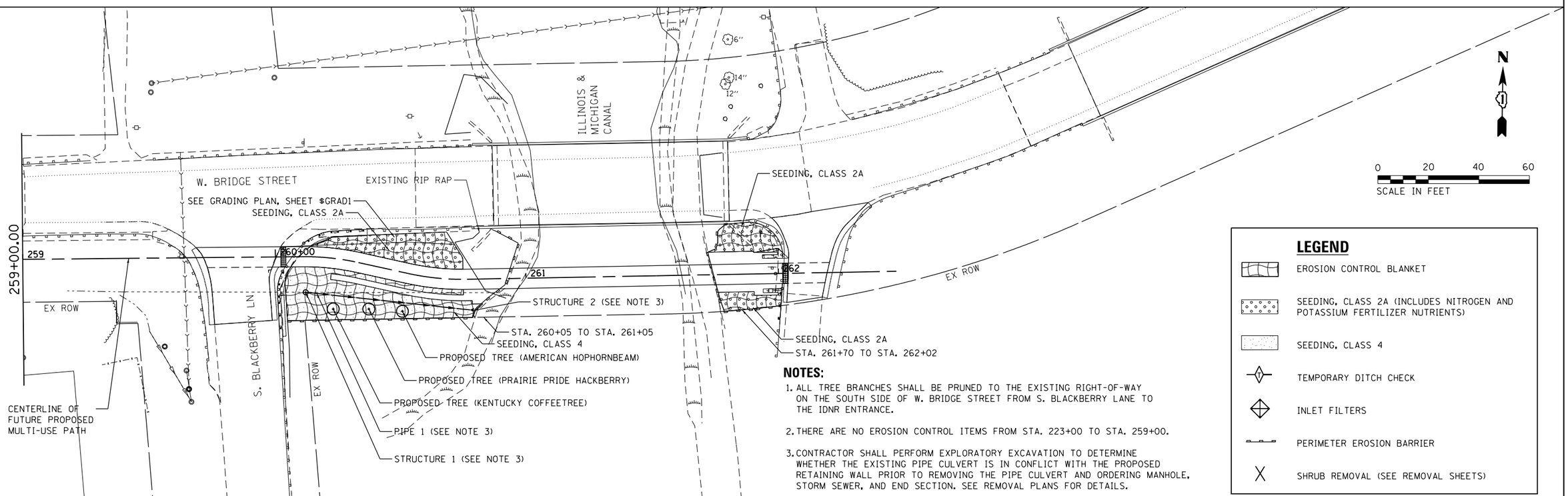
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	37
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			

STORM SYSTEM INFORMATION

STRUCTURE 1
MANHOLES, TYPE A, 4'-DIAMETER,
TYPE 1 FRAME, CLID
STA. 260+12.11, 14' RT
RIM ELEV. = 519.50
S. INV. = 512.00
W. INV. = 511.75

STRUCTURE 2
PRECAST REINFORCED CONCRETE FALRED END SECTIONS
STA. 260+77.65, 12' RT
INVERT ELEV. = 511.42

PIPE 1
STORM SEWERS, CLASS A, TYPE 2 18''
66 LF @ 0.50%



LEGEND

- EROSION CONTROL BLANKET
- SEEDING, CLASS 2A (INCLUDES NITROGEN AND POTASSIUM FERTILIZER NUTRIENTS)
- SEEDING, CLASS 4
- TEMPORARY DITCH CHECK
- INLET FILTERS
- PERIMETER EROSION BARRIER
- SHRUB REMOVAL (SEE REMOVAL SHEETS)

NOTES:

1. ALL TREE BRANCHES SHALL BE PRUNED TO THE EXISTING RIGHT-OF-WAY ON THE SOUTH SIDE OF W. BRIDGE STREET FROM S. BLACKBERRY LANE TO THE IDNR ENTRANCE.
2. THERE ARE NO EROSION CONTROL ITEMS FROM STA. 223+00 TO STA. 259+00.
3. CONTRACTOR SHALL PERFORM EXPLORATORY EXCAVATION TO DETERMINE WHETHER THE EXISTING PIPE CULVERT IS IN CONFLICT WITH THE PROPOSED RETAINING WALL PRIOR TO REMOVING THE PIPE CULVERT AND ORDERING MANHOLE, STORM SEWER, AND END SECTION. SEE REMOVAL PLANS FOR DETAILS.

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DEPARTMENT OF TRANSPORTATION

W. BRIDGE STREET MULTIUSE PATH
TEMPORARY AND PERMANENT EROSION CONTROL PLAN

SCALE: 1'' = 20' | SHEET 2 OF 2 SHEETS | STA. 259+00.00 TO STA. 262+03.89

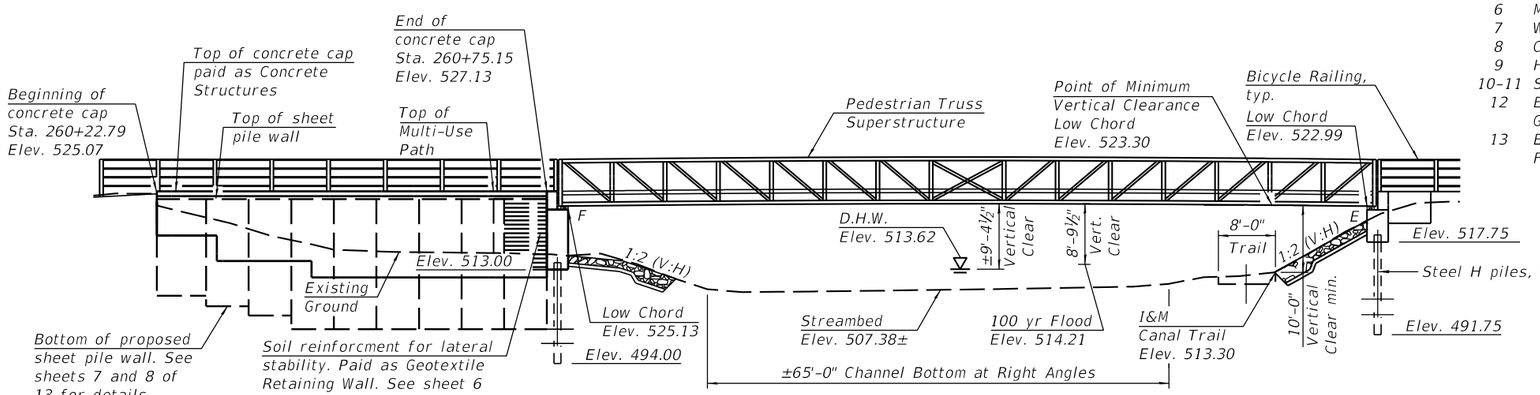
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	38
		CONTRACT NO. 61F18		
		ILLINOIS FED. AID PROJECT		

Benchmark: Southern most corner, on top of south west wing wall of Bridge over I & M Canal (S.N. 099-4612). Elev. 522.66

Existing: None

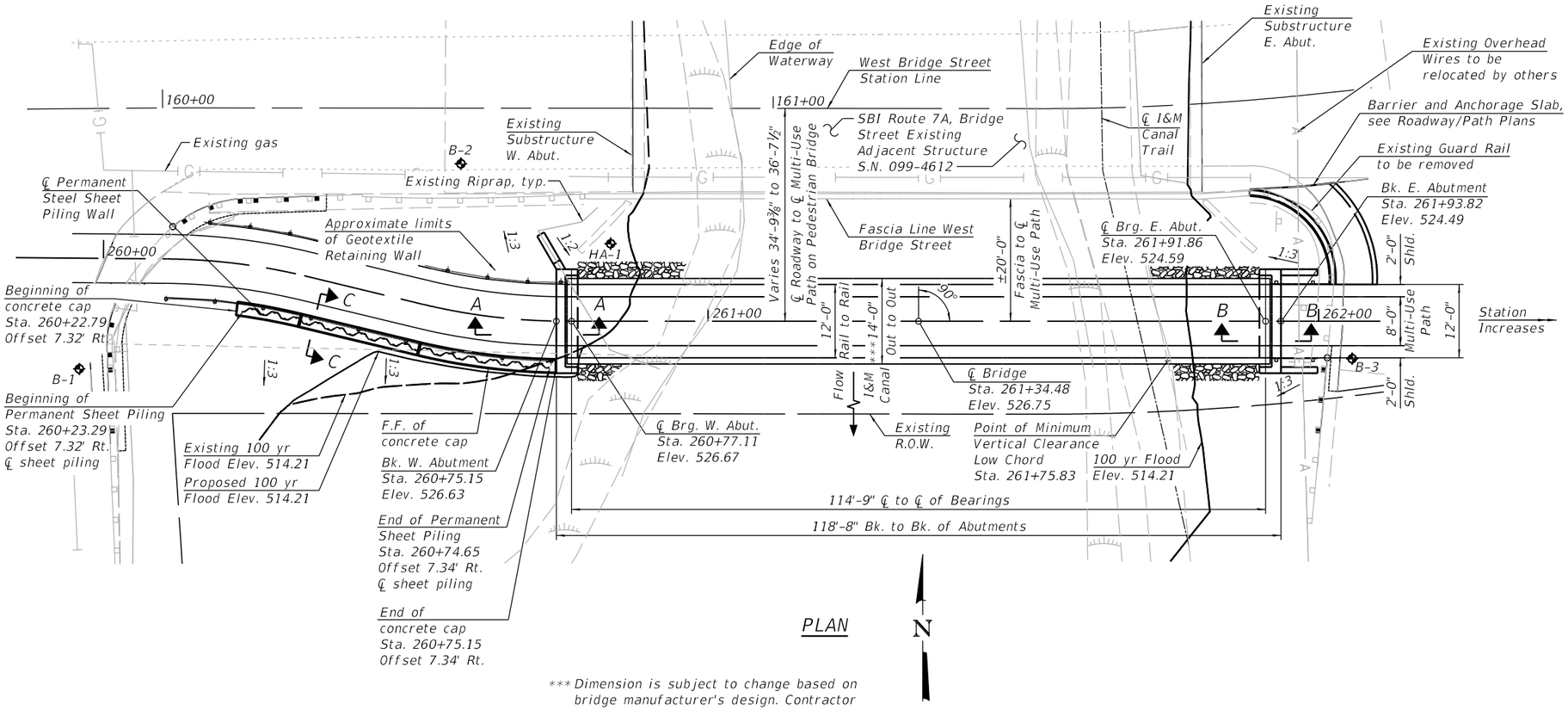
Salvage: None

INDEX OF SHEETS



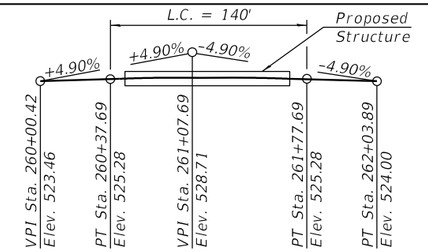
ELEVATION

Note: Camber bridge as required to acheive profile and vertical clearance.



PLAN

*** Dimension is subject to change based on bridge manufacturer's design. Contractor to verify with approved shop drawings.



PROFILE GRADE

(Along ℄ of Multi-Use Path)

DESIGN SPECIFICATIONS

2014 AASHTO LRFD Bridge Design Specifications, 7th Edition with 2015 & 2016 Interims
2009 LRFD Guide Specifications for the Design of Pedestrian Bridges, 2nd Edition

LOADING

H10 (Maintenance Vehicle)
Pedestrian Live Load = 90 psf
Wind Load = 35 psf

DESIGN STRESSES

f'c = 3,500 psi (Substrucutre)
f'c = 4,000 psi (Superstructure)
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (Steel) ASTM A847
(Cold form welded square and rectangular tubing)
fy = 50,000 psi (Steel) ASTM A709 50W
(Plate and Structural shapes)
fy = 50,000 psi (Steel Sheet Piling) ASTM A572
fy = 36,000 psi (Steel) ASTM A36 (Bearings)

SEISMIC DATA

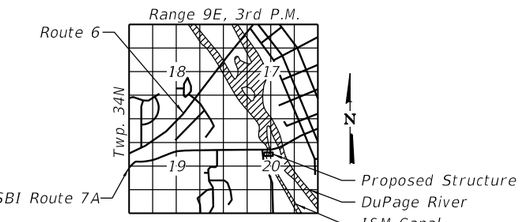
Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (SD1) =0.04g
Design Spectral Acceleration at 0.2 sec. (SDS) =0.11g
Soil Site Class = B

CURVE DATA-1

P.I. Sta. = 260+21.82
Δ = 12°59'00"
D = 57°17'45"
R = 100.00'
T = 11.83'
L = 22.66'
E = 0.65'
P.C. Sta. = 260+10.44
P.T. Sta. = 260+33.10

CURVE DATA-2

P.I. Sta. = 260+64.93
Δ = 13°29'36" (LT)
D = 57°17'45"
R = 100.00'
T = 11.83'
L = 23.55'
E = 0.70'
P.C. Sta. = 260+53.10
P.T. Sta. = 260+76.65



LOCATION SKETCH

GENERAL PLAN & ELEVATION
MULTI-USE PATH BRIDGE
OVER I & M CANAL
M.U.N. 1003
SECTION (15-00024-00-BT)
WILL COUNTY
STA. 261+34
STRUCTURE NO. 099-P012

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 099-P012
SHEET NO. 1 OF 13 SHEETS

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1003	15-00024-00-BT	WILL	62	39
		CONTRACT NO. 61F18		
		ILLINOIS FED. AID PROJECT		

GENERAL NOTES

Fasteners shall be ASTM A325 Type 3 in unpainted areas. Bolts as specified by Pedestrian Truss Superstructure manufacturer, unless otherwise noted.

All structural steel shall be AASHTO M 270 Grade 50W or ASTM A847 as applicable and in accordance with Section 1006 of the Standard Specifications.

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

Reinforcement bars designated (E) shall be epoxy coated.

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

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

The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except cofferdams. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR 3704 Floodway Construction permit number allowing permanent construction as shown in the contract plans.

Concrete Sealer shall be applied to the designated areas of the backwalls, bridge seat, face of abutments, and wingwalls.

The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection.

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.

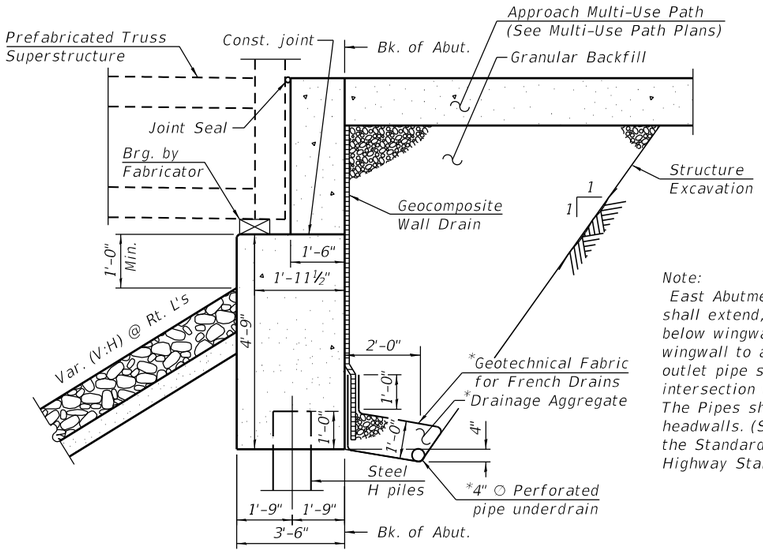
The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M 270 Grade 36W.

Two ⅛ in. adjusting shims shall be provided for each bearing in addition to all other plates or shims.

All (embedded and separate) bearing plates, side retainers, anchor bolts, nuts, washers and pintles shall be galvanized according to AASHTO M111 or M232 as applicable.

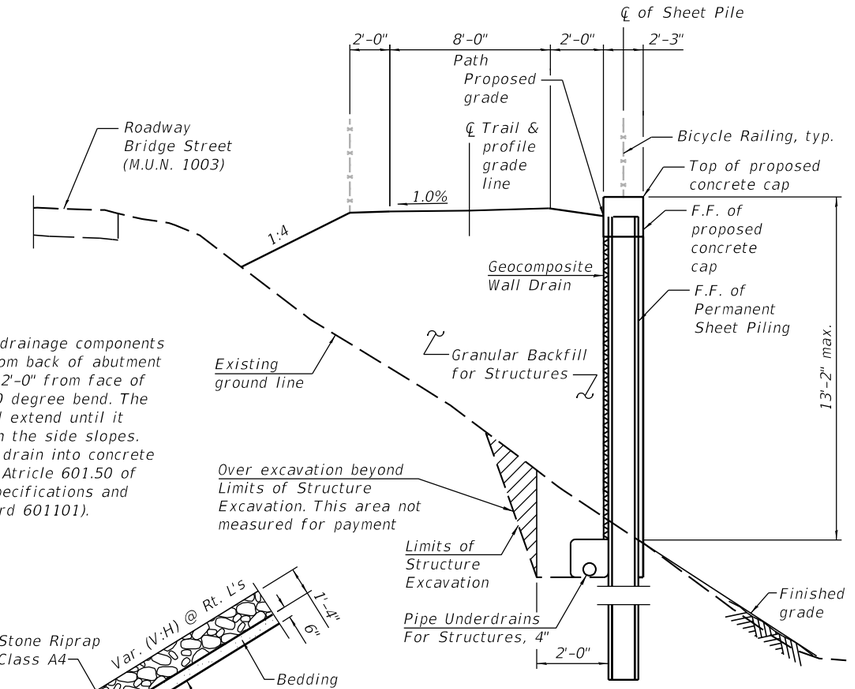
Backfill shall be placed behind the abutment after the superstructure has been poured and falsework removed. See Article 502.10 of the Standard Specifications.

The formliner pattern shall match the adjacent structure. See details on sheet 12 and 13 of 13. Formliner limits shall be on exposed faces of concrete substructures and wall facing and shall extend a minimum 1'-0" below finished grade. The formliner coursing on concrete facing shall be level and the formliner pattern shall be continous across the vertical joints. Cost for concrete formliner pattern included in cost of Concrete Structures.



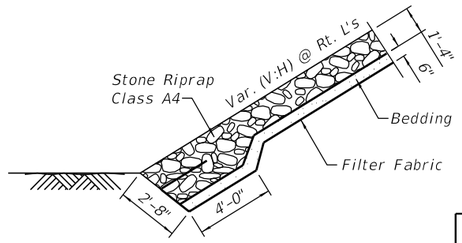
SECTION B-B
(Horiz. dim. @ Rt. L's)

*Included in the cost of Pipe Underdrains For Structures, 4" (See Special Provisions)



Note:
East Abutment drainage components shall extend, from back of abutment below wingwall, 2'-0" from face of wingwall to a 90 degree bend. The outlet pipe shall extend until it intersection with the side slopes. The Pipes shall drain into concrete headwalls. (See Atricle 601.50 of the Standard Specifications and Highway Standard 601101).

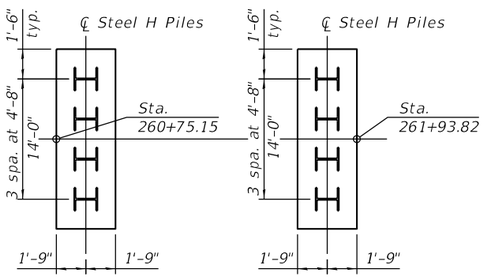
SECTION C-C
(Looking East)



STONE RIPRAP TREATMENT
TOE OF SLOPE

MULTI-USE PATH OVER I&M CANAL
STA. 261+34 BUILT 201X BY
VILLAGE OF CHANNAHON
SEC. 15-00024-00-BT
LOADING H10 AND 90 PSF PEDESTRIAN
STRUCTURE NO. 099-P012

NAME PLATE
See Std. 515001



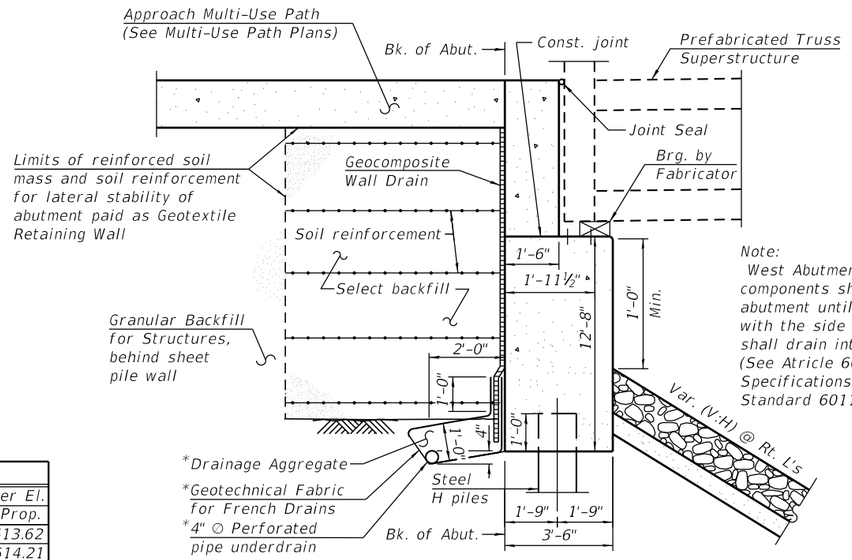
FOUNDATION LAYOUT

*WATERWAY INFORMATION

Drainage Area = 20.0 Sq. Mi. Low Grade Elev. 525.00 @ Sta. 260+79.13

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
Design	50	731.01	308.92	332.60	513.62	0.0	0.0	513.62	513.62
Base	100	861.68	351.98	386.42	514.21	0.0	0.0	514.21	514.21
Overtopping									
Max. Calc.	500	1451.43	445.63	502.67	515.49	0.0	0.0	515.49	515.49

*Note: Waterway Information is from existing Roadway Bridge (S.N. 099-4612) adjacent to proposed Pedestrian Truss Superstructure.



SECTION A-A
(Horiz. dim. @ Rt. L's)

Note:
West Abutment and Wall drainage components shall extend below the abutment until the outlet intersects with the side slopes. The Pipes shall drain into concrete headwalls. (See Atricle 601.50 of the Standard Specifications and Highway Standard 601101).

*Included in the cost of Pipe Underdrains For Structures, 4" (See Special Provisions)

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq Yd			81
Filter Fabric	Sq Yd			81
Structure Excavation	Cu Yd			67
Concrete Structures	Cu Yd		85	85
Concrete Superstructures	Cu Yd	26		26
Protective Coat	Sq Yd	168		168
Reinforcement Bars, Epoxy Coated	Pound			6,820
Furnishing Steel Piles HP12x53	Foot		138	138
Driving Piles	Foot		138	138
Test Pile Steel HP 12x53	Each		2	2
Pile Shoes	Each		8	8
Name Plates	Each		1	1
Permanent Sheet Piling	Sq Ft		2,187	2,187
Concrete Sealer	Sq Ft		1,626	1,626
Geocompoite Wall Drain	Sq Yd			101
Pedestrian Truss Superstructure	Sq Ft	1,424		1,424
Geotextile Retaining Wall	Sq Ft		170	170
Granular Backfill for Structures	Cu Yd			158
Pipe Underdrains for Structures 4"	Foot			148

** Concrete formliner pattern included in cost of Concrete Structures.

FILE NAME = S:\JOL\64@@-6499\6437\@2\Drawings\CAD\Micros\CADD.Sheets\099-P@12-xxxx-@@2-GD.dgn

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PLOT SCALE =	DRAWN - BJF	REVISED -	
PLOT DATE = 3/29/2019	CHECKED - BRL	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

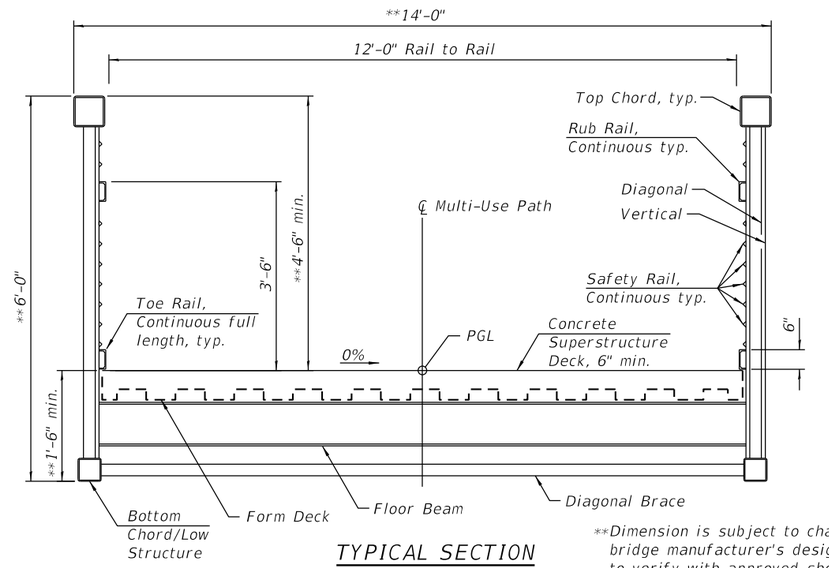
GENERAL DATA
STRUCTURE NO. 099-P012
SHEET NO. 2 OF 13 SHEETS

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1003	15-00024-00-BT	WILL	62	40
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			

GENERAL NOTES

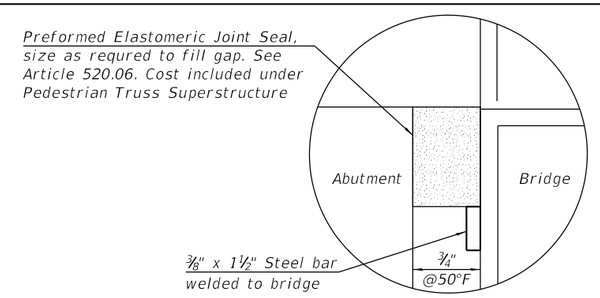
Details on this drawing are not to scale.
See specification for Pestrian Truss Superstructure.
All superstructure reinforcement to be epoxy coated.
All details and dimensions shown on this sheet are to be verified by the Pedestrian Truss Superstructure manufacturer.
Compression seal shall comply with Article 503.10B of the Standard Specifications.
All top and bottom chord shop splices to be complete penetration type welds.
Bridge design was based on combination of the following loads which will produce maximum critical member stresses. See Estimated Bridge Reactions Table.

A. 90 psf uniform live loading on the full deck area or one 20,000 lb vehicle load on the rear wheels. The wheel track width of the vehicle shall be 6'-0" and the wheel base shall be 14'-0". The vehicle shall be positioned so as to produce the maximum stresses in each member, including decking.
B. 35 psf wind load on the full height of the bridge, as if enclosed.
C. 20 psf upward force applied at the windward quarter point of the transverse bridge width (AASHTO 3.8.2).

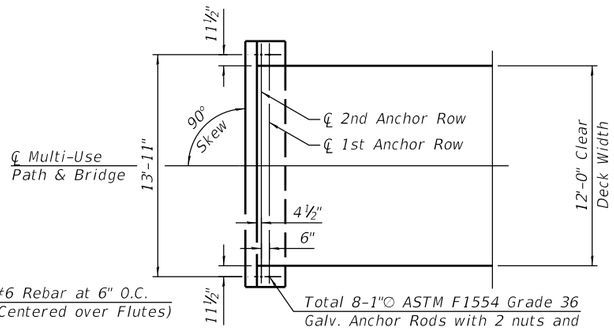


TYPICAL SECTION
(Looking East)

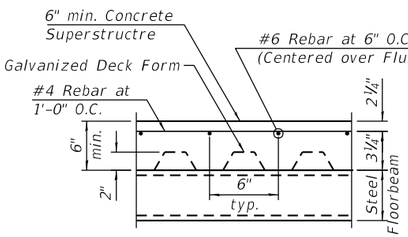
**Dimension is subject to change based on bridge manufacturer's design. Contractor to verify with approved shop drawings.



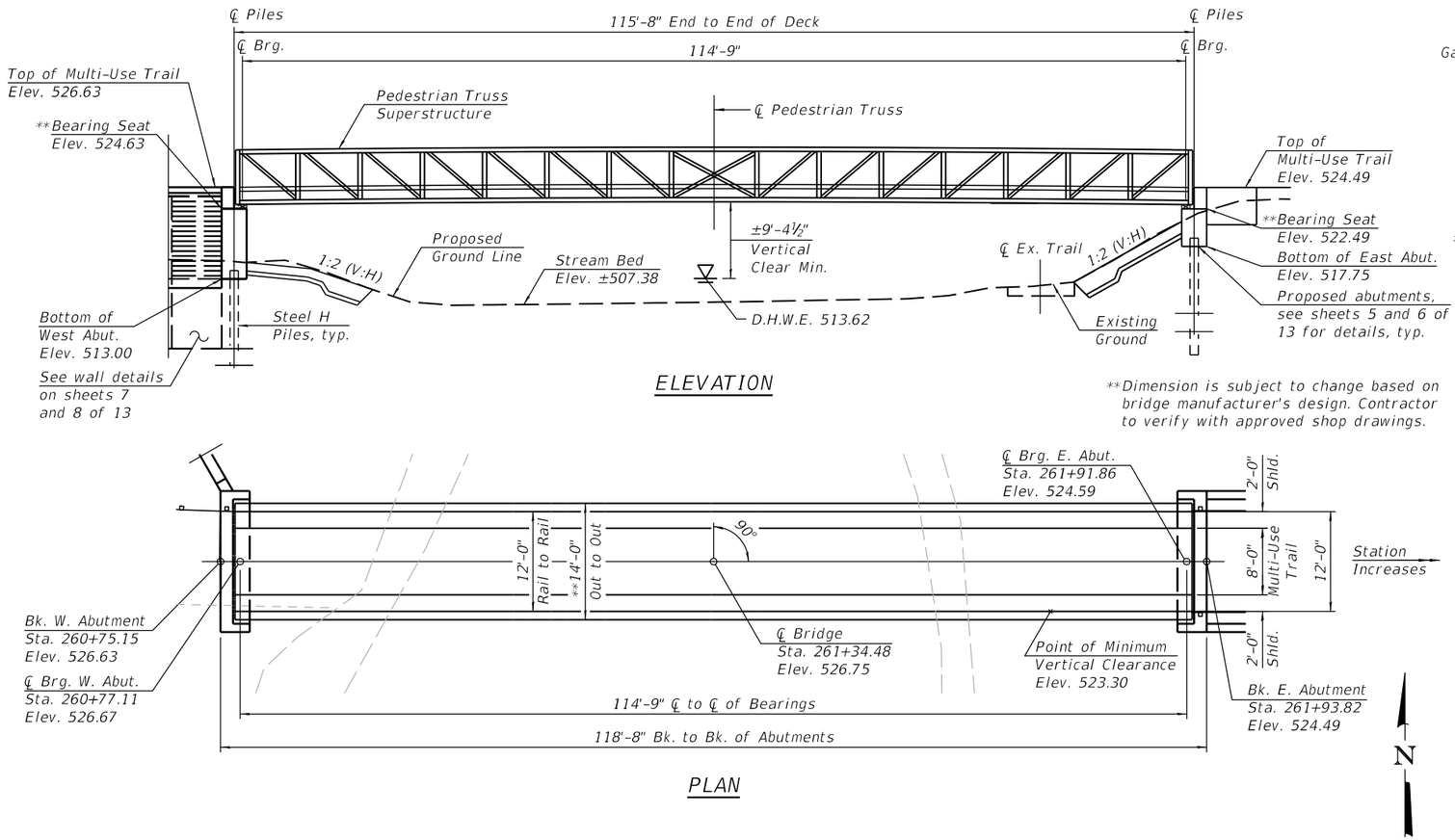
COMPRESSION SEAL DETAIL
(If Gap Exceeds ¾" at Abutment)



**ABUTMENT ANCHOR BOLT PLAN



**TYP. SLAB REINFORCEMENT DETAIL
(Superstructure reinforcement cost included under Concrete Superstructures)



ELEVATION

**Dimension is subject to change based on bridge manufacturer's design. Contractor to verify with approved shop drawings.

PLAN

ESTIMATED BRIDGE REACTIONS

LOAD TYPE	P (lbs.)	H (lbs.)	L (lbs.)
Dead Load	37,825		
Uniform Live Load, 90 psf	31,600		
Vehicle Live Load	10,000		
Wind Uplight, 20 psf Windward/Leeward	-11,690 -4,000		
Wind	+4,025	12,795	
Thermal			5,675

P = Vertical load at each base plate (4 per bridge)
H = Horizontal at each span end (2 per bridge)
L = Longitudinal load at fixed bearing (4 per bridge)

Notes:
1. Values in this table are estimates. Actual values shall be provided by Pedestrian Truss Superstructure manufacturer.
2. "+" indicates downward load
   - indicates upward load
3. Estimated bridge lifting weight - 62,800 lbs (to be verified by Pedestrian Truss Superstructure manufacturer).

TOTAL BILL OF MATERIAL

	ITEM	UNIT	TOTAL
*	Concrete Superstructure	Cu Yd	26
	Protective Coat	Sq Yd	168
	Pedestrian Truss Superstructure	Sq Ft	1,424

*Concrete Superstructure calculated based on a uniform slab thickness of 6 inches.

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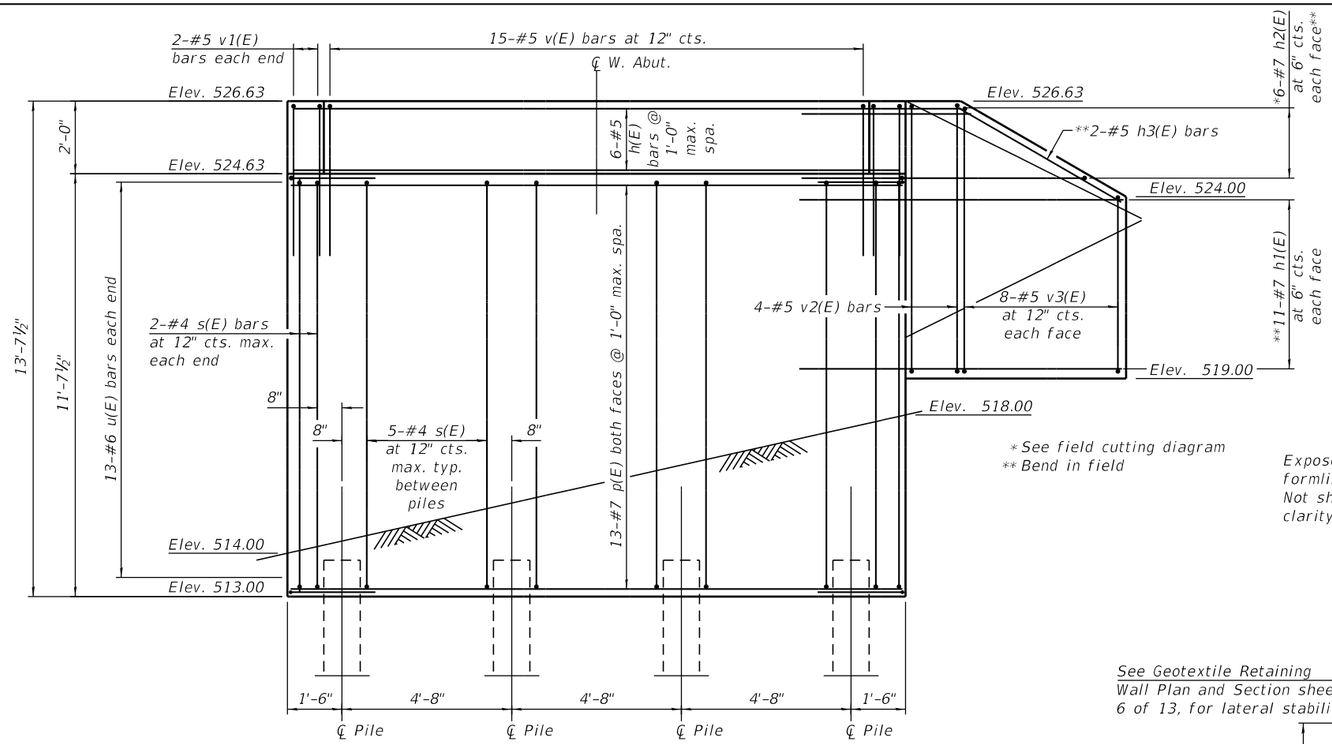
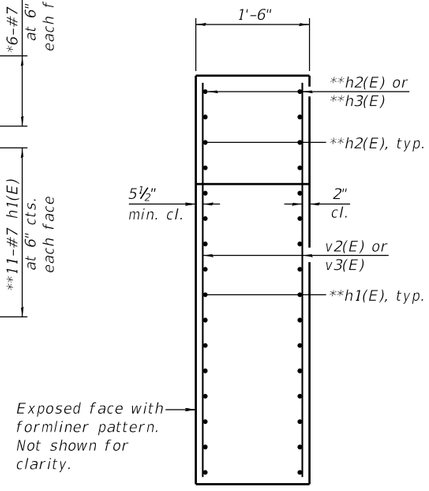
PEDESTRIAN TRUSS SUPERSTRUCTURE
STRUCTURE NO. 099-P012
SHEET NO. 3 OF 13 SHEETS

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1003	15-00024-00-BT	WILL	62	41
		CONTRACT NO. 61F18		
		ILLINOIS FED. AID PROJECT		

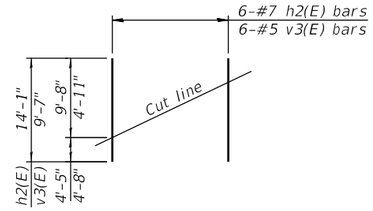


*See field cutting diagram
**Bend in field

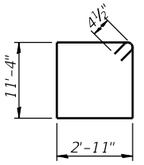
ELEVATION
(Looking West)



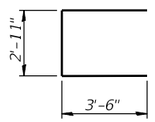
SECTION B-B



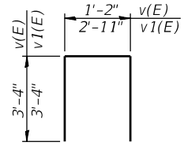
FIELD CUTTING DIAGRAM
Order h2(E) and v3(E) bars full length cut to fit in opposite side



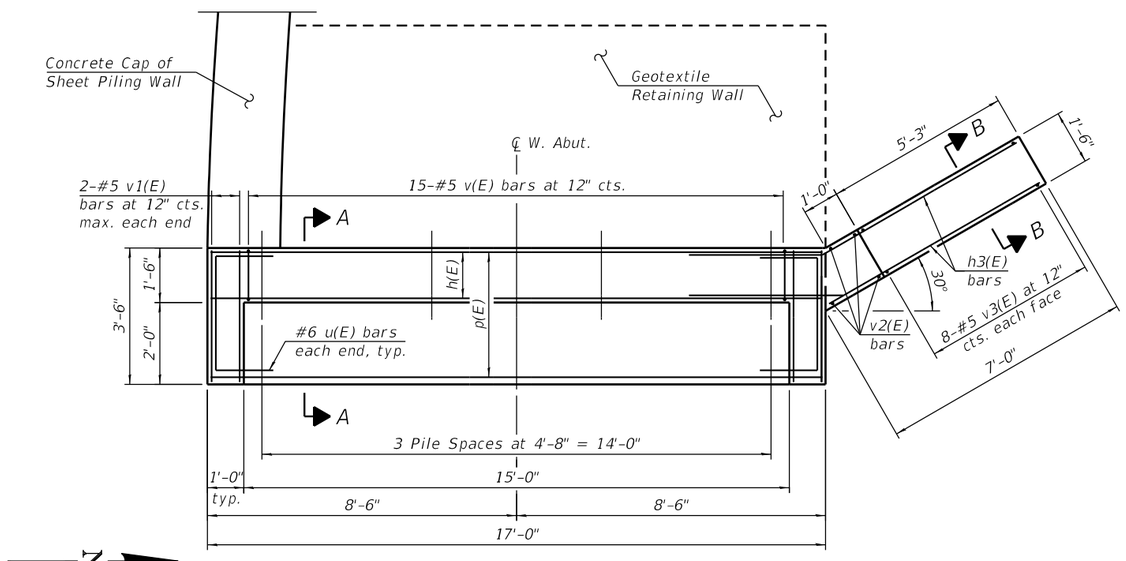
BARS s(E)



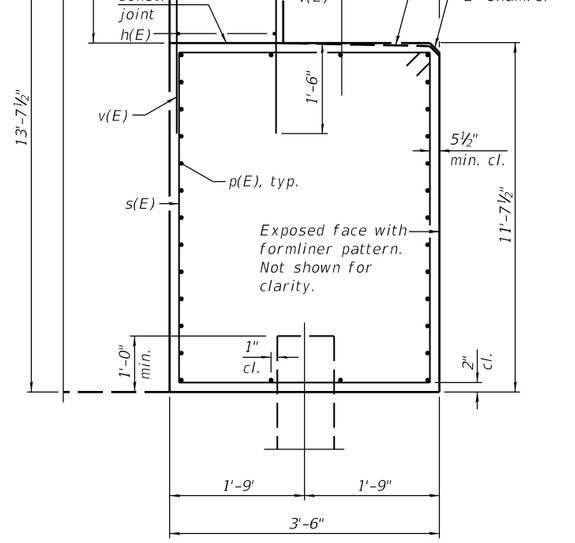
BAR u(E)



BAR v(E) & v1(E)



PLAN



SECTION A-A

PILE DATA
Type: HP 12x53 with pile shoes
Nominal Required Bearing: 217 kips
Factored Resistance Available: 119 kips
Est. Length: 19'-0"
No. Production Piles: 3
No. Test Piles: 1

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

WEST ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	6	#5	16'-8"	
h1(E)	22	#7	9'-8"	
h2(E)	6	#7	14'-1"	
h3(E)	2	#5	10'-2"	
p(E)	30	#7	16'-8"	
s(E)	19	#4	29'-2"	
u(E)	26	#6	9'-11"	
v(E)	15	#5	7'-10"	
v1(E)	4	#5	9'-7"	
v2(E)	4	#5	7'-3"	
v3(E)	6	#5	9'-7"	
Structure Excavation		Cu Yd	18	
Concrete Structures		Cu Yd	31	
Reinforcement Bars, Epoxy Coated		Pound	2,790	
Furnishing HP12x53		Foot	57	
Driving Piles		Foot	57	
Test Pile HP 12x53		Each	1	
Pile Shoes		Each	4	
Concrete Sealer		Sq Ft	464	

For details of piles, see sheet 9 of 13.

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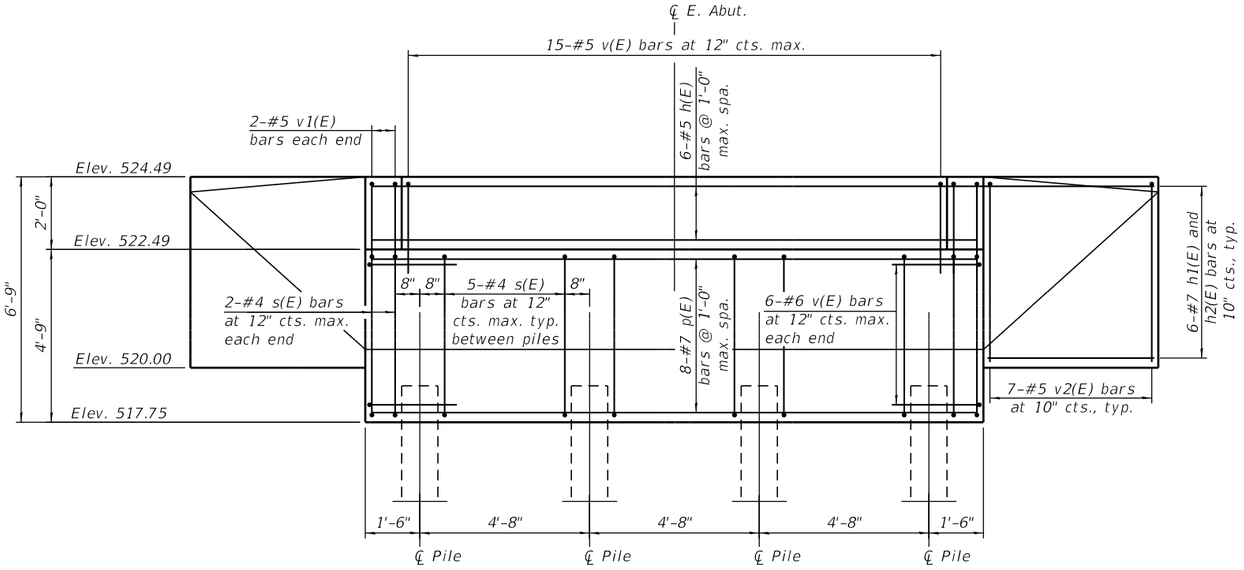
	CHECKED - AJS	REVISED -	
PLOT SCALE =	DRAWN - BJF	REVISED -	
PLOT DATE = 3/29/2019	CHECKED - BRL	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

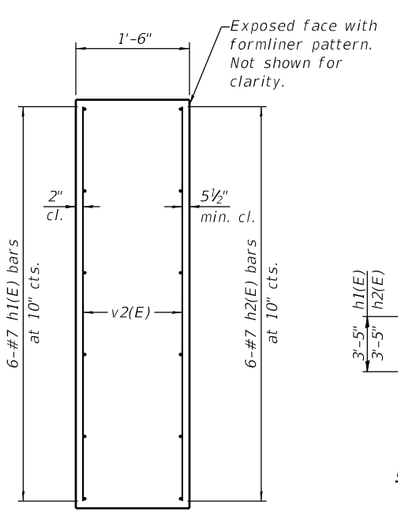
WEST ABUTMENT
STRUCTURE NO. 099-P012
SHEET NO. 4 OF 13 SHEETS

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1003	15-00024-00-BT	WILL	62	42
		CONTRACT NO. 61F18		
		ILLINOIS FED. AID PROJECT		

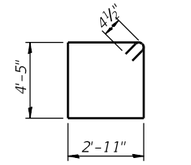


ELEVATION

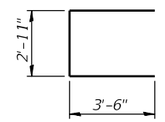
(Looking East with wingwalls unfolded)



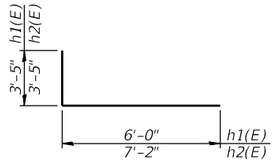
SECTION B-B



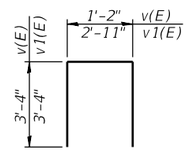
BARS s(E)



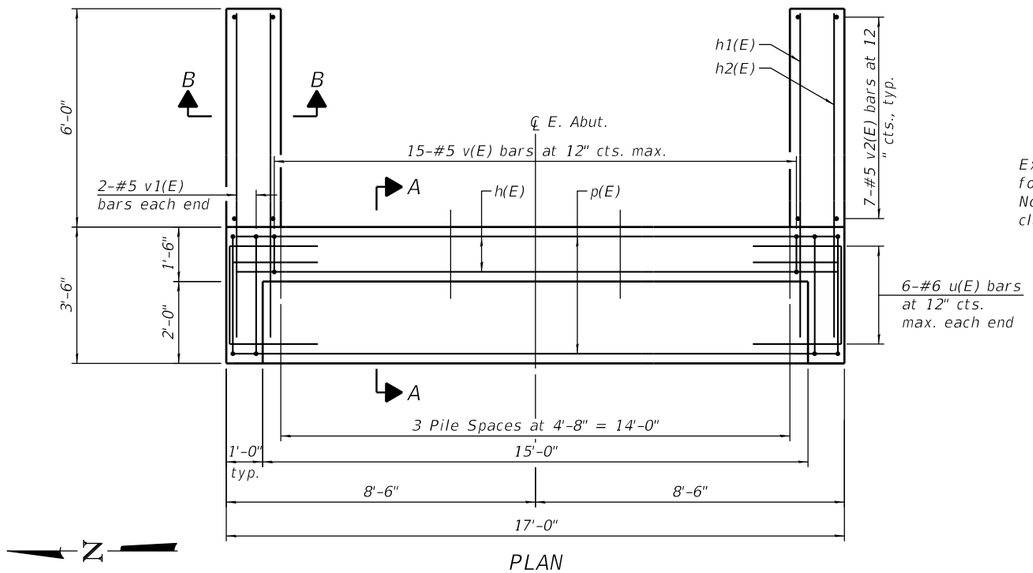
BAR u(E)



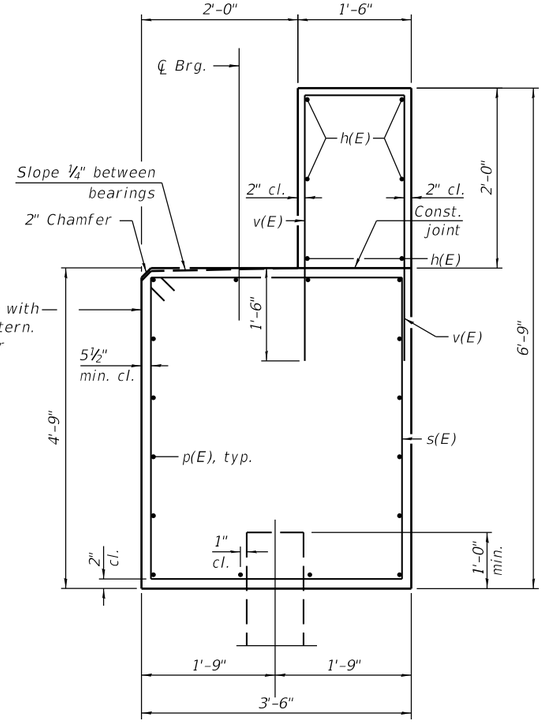
BAR h1(E) & h2(E)



BAR v(E) & v1(E)



PLAN



SECTION A-A

PILE DATA

Type: HP 12x53 with pile shoes
Nominal Required Bearing: 219 kips
Factored Resistance Available: 121 kips
Est. Length: 27'-0"
No. Production Piles: 3
No. Test Piles: 1

MIN. BAR LAP

#7 bar 3'-5"

EAST ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	6	#5	16'-8"	
h1(E)	12	#7	9'-3"	
h2(E)	12	#7	10'-5"	
p(E)	16	#7	16'-8"	
s(E)	19	#4	15'-5"	
u(E)	12	#6	9'-11"	
v(E)	15	#5	7'-10"	
v1(E)	4	#5	9'-7"	
v2(E)	14	#5	4'-5"	
Structure Excavation	Cu Yd	15		
Concrete Structures	Cu Yd	16		
Reinforcement Bars, Epoxy Coated	Pound	1,750		
Furnishing HP12x53	Foot	81		
Driving Piles	Foot	81		
Test Pile HP12x53	Each	1		
Pile Shoes	Each	4		
Concrete Sealer	Sq Ft	275		

For details of piles, see sheet 9 of 13.

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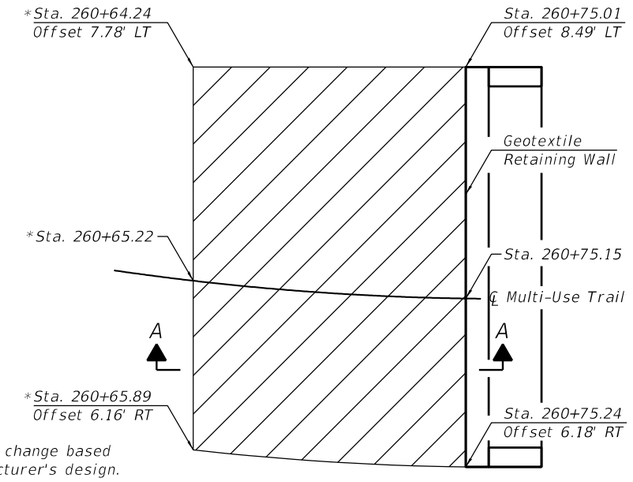
PLOT DATE = 3/29/2019	CHECKED - BRL	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT
STRUCTURE NO. 099-P012
SHEET NO. 5 OF 13 SHEETS

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1003	15-00024-00-BT	WILL	62	43
		CONTRACT NO. 61F18		
		ILLINOIS FED. AID PROJECT		

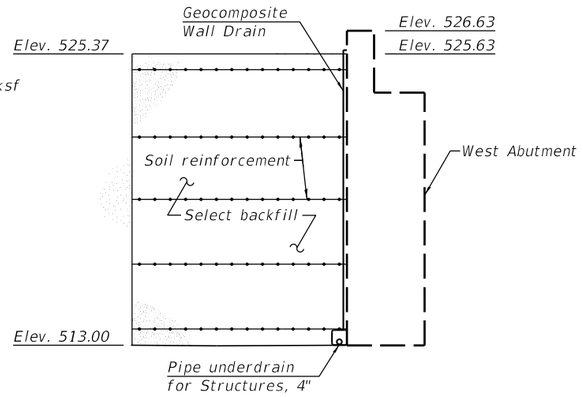


*Subject to change based on manufacturer's design.

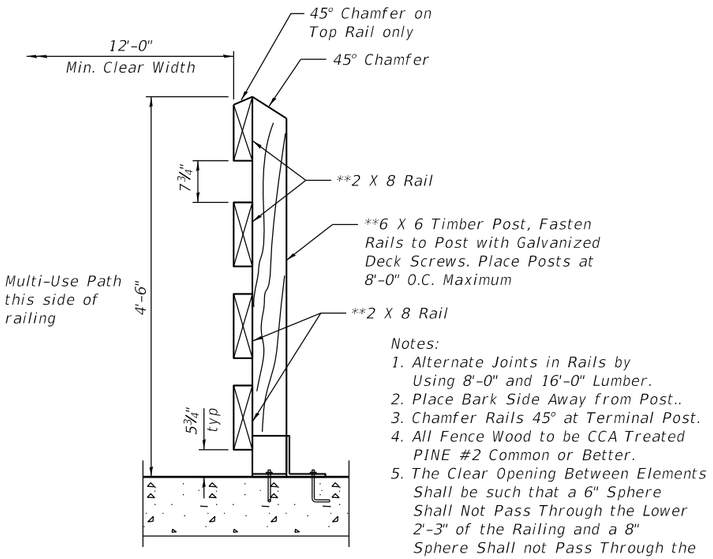
Note: Geotextile Retaining Wall supplier shall design the abutment soil reinforcement to resist a service horizontal force of 4.63 kip/ft of abutment.

Net allowable bearing=2.5 ksf

GEOTEXTILE RETAINING WALL PLAN

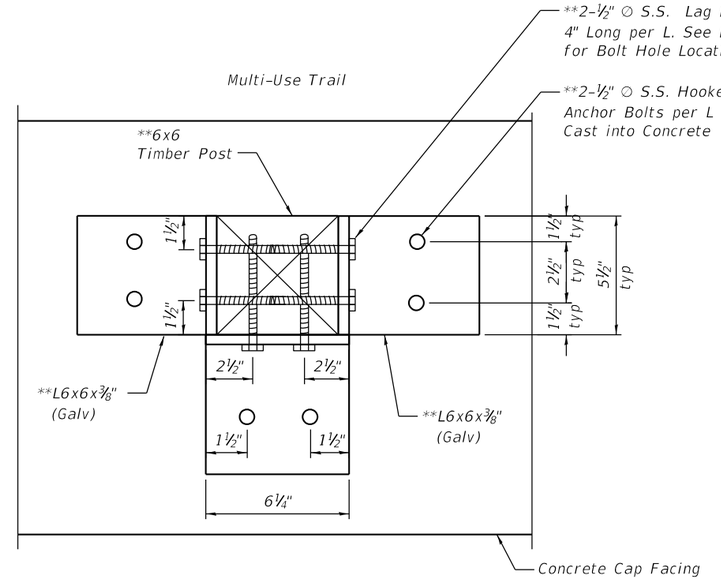


SECTION A-A

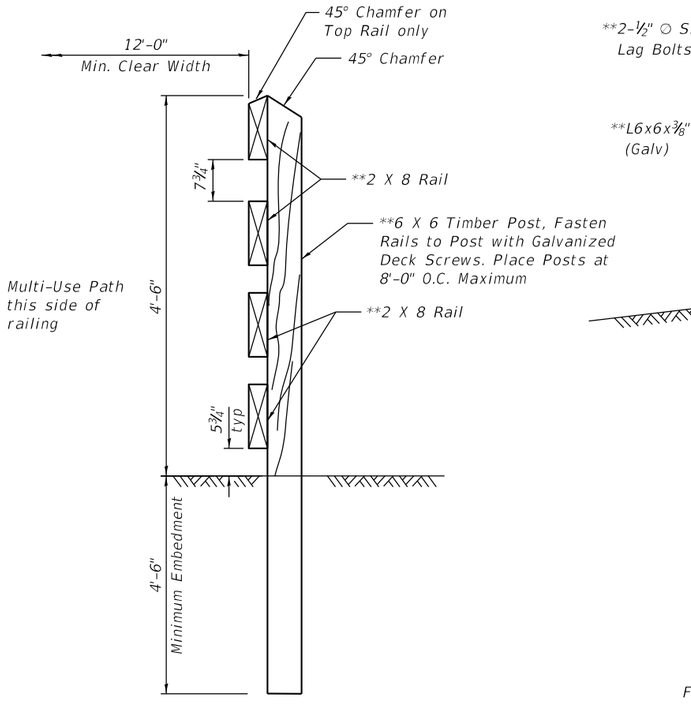


Notes:
1. Alternate Joints in Rails by Using 8'-0" and 16'-0" Lumber.
2. Place Bark Side Away from Post..
3. Chamfer Rails 45° at Terminal Post.
4. All Fence Wood to be CCA Treated PINE #2 Common or Better.
5. The Clear Opening Between Elements Shall be such that a 6" Sphere Shall Not Pass Through the Lower 2'-3" of the Railing and a 8" Sphere Shall not Pass Through the Upper Portion of the Railing.

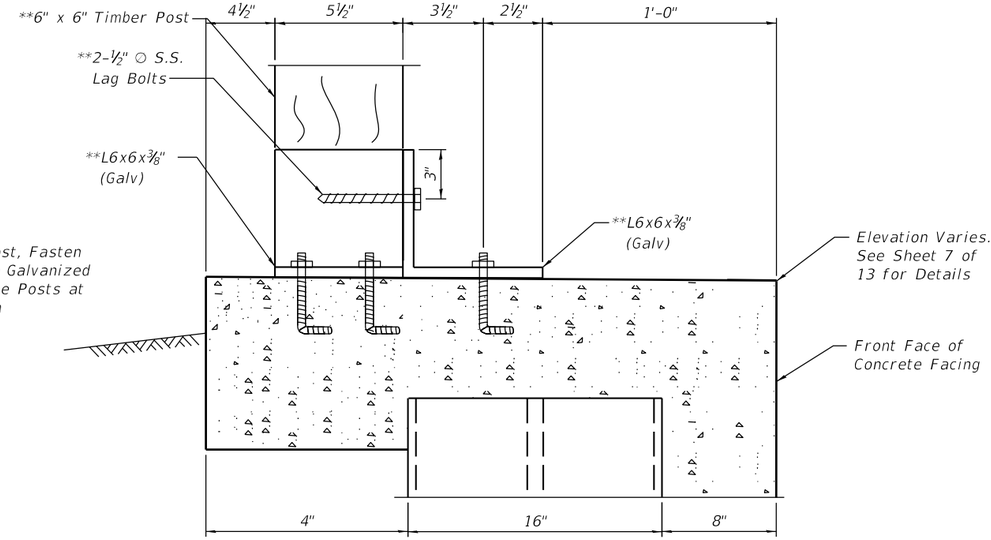
BICYCLE RAILING ANCHORED SECTION (TYP.)



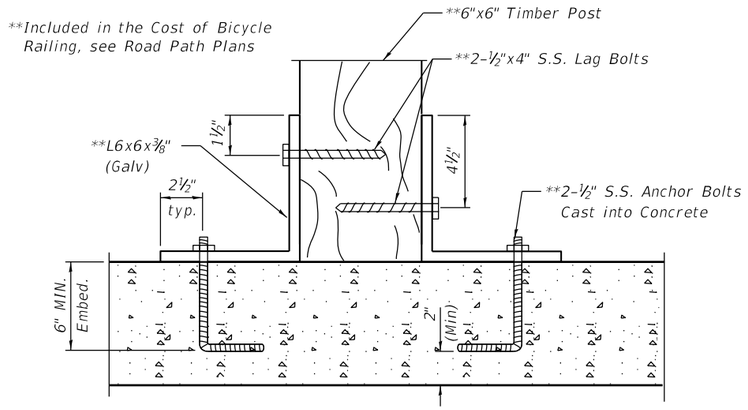
POST MOUNTING DETAIL-PLAN VIEW



BICYCLE RAILING EMBEDMENT SECTION (TYP.)



POST MOUNTING DETAIL-ELEVATION VIEW



POST MOUNTING DETAIL- SECTION VIEW

For Bicycle Railing quantity see Roadway/Path Plans.

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Geotextile Retaining Wall	Sq Ft	170

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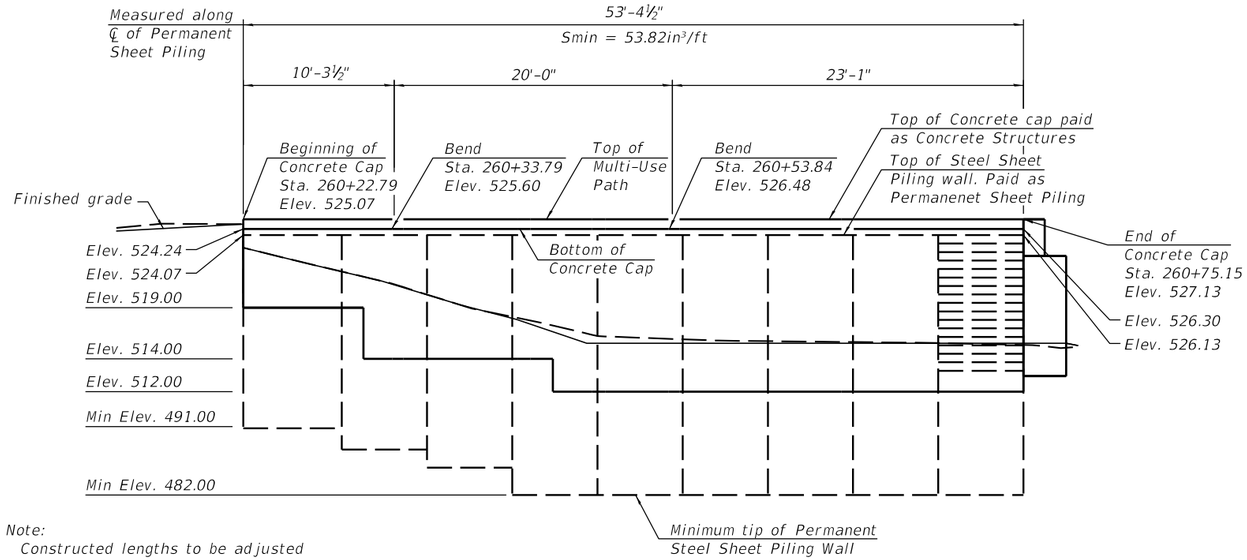
DEPARTMENT OF TRANSPORTATION

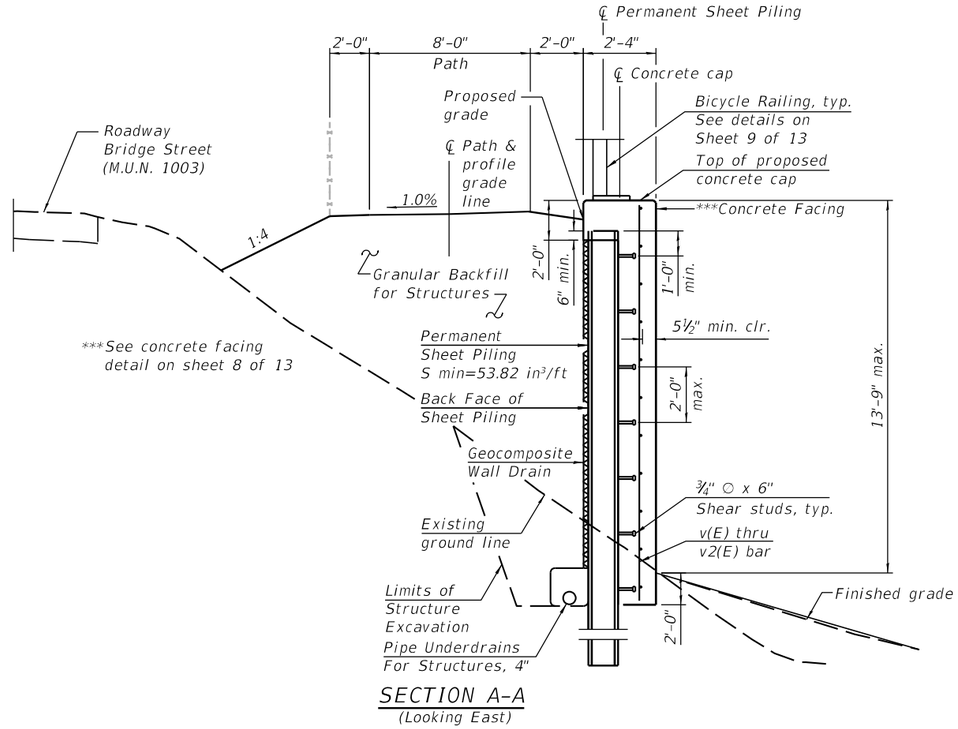
MISCELLANEOUS DETAILS
STRUCTURE NO. 099-P012
SHEET NO. 6 OF 13 SHEETS

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1003	15-00024-00-BT	WILL	62	44
		CONTRACT NO. 61F18		
		ILLINOIS FED. AID PROJECT		

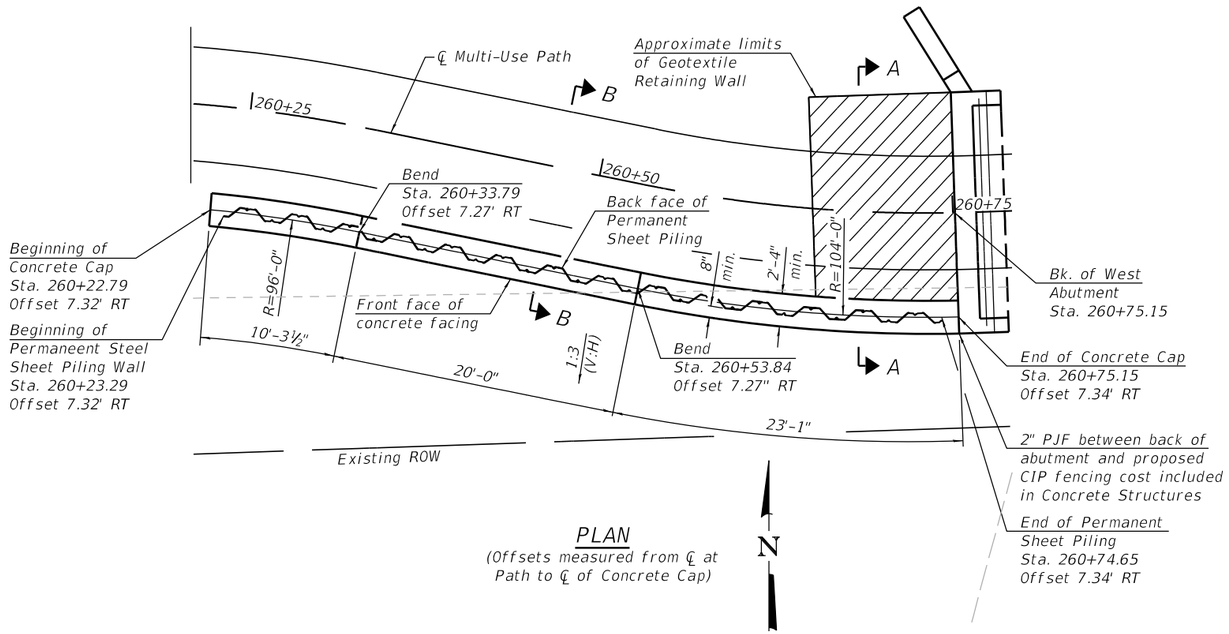


Note:
Constructed lengths to be adjusted based on actual sheet pile sizes.

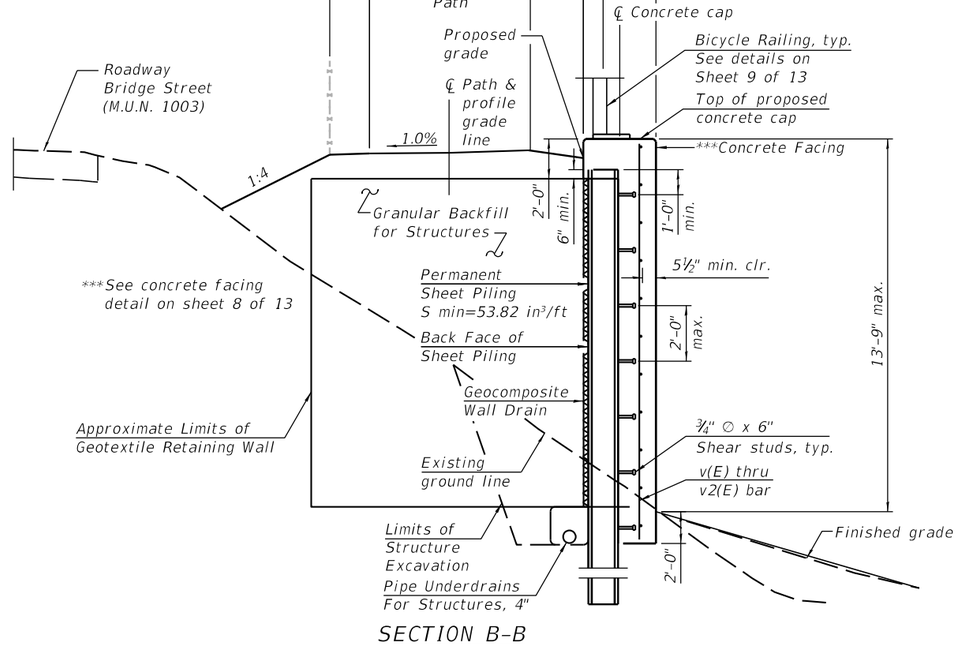
ELEVATION
(Rotated into view)



SECTION A-A
(Looking East)



PLAN
(Offsets measured from ℄ at Path to ℄ of Concrete Cap)



SECTION B-B
(Looking East)

FILE NAME = S:\JOL\6408--6499\6437\102\Drawings\CADD\Macros\CADD Sheets\099-P012-xxxx-007-WALL.dgn

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1170 SOUTH HOUBOLT ROAD
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(815) 744-4200
IDFPR NO. 184-001273

USER NAME = JakeSc	DESIGNED - BRL	REVISED -	
	CHECKED - AJS	REVISED -	
PLOT SCALE =	DRAWN - BJF	REVISED -	
PLOT DATE = 3/29/2019	CHECKED - BRL	REVISED -	

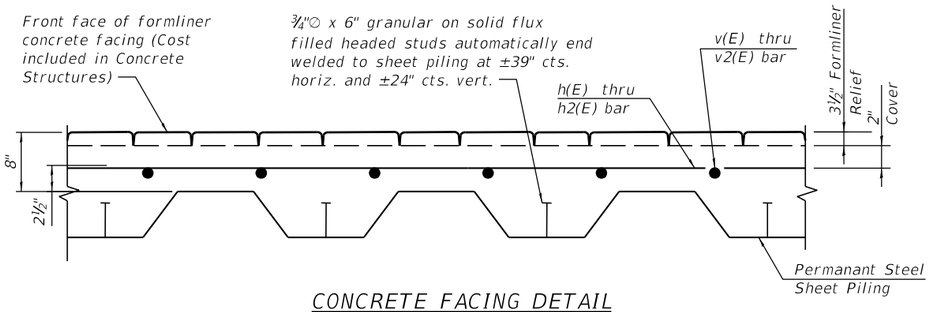
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WALL
STRUCTURE NO. 099-P012
SHEET NO. 7 OF 13 SHEETS

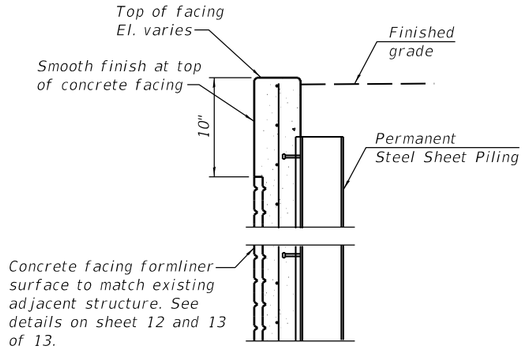
M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1003	15-00024-00-BT	WILL	62	45
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			

GENERAL NOTES

All concrete work shall be in accordance with section 503 of the Standard Specifications.
All reinforcement bars designated (E) shall be epoxy coated and shall be in accordance with section 508 of the standard specifications. Reinforcement shall have a minimum concrete cover of 2".
Concrete Sealer shall be applied to the exposed faces of the concrete cap and concrete wall facing.
Shear Studs shall be in accordance with section 505 of the Standard Specifications.
2" PJF per Article 1051.08 of the Standard Specifications full height bonded to west abutment with suitable adhesive as recommended by supplier.
Cost of shear connectors (Granular or flux filled stud), cement nails, and 1#2" premolded joint filler is included in the cost of Concrete Structures.
The formliner pattern shall be continuous across the vertical wall joints. The formliner coursing on concrete facing shall be level. The formliner limits shall extend 1'-0" below finished grade.
Any backfill shall be placed behind the Permanent Steel Sheet Piling prior to placement of the concrete facing.
For backfilling and embankment outside Structure Excavation Limits, see Roadway Plans.
Permanent Steel Sheet Piling shall meet requirements of ASTM A572 Gr.50. Permanent Steel Sheet Piling (exposed and anchor wall) shall have a required section modulus meeting or exceeding 53.82 in /ft.
If Contractor elects to use larger Permanent Steel Sheet Piling size, sheet pile concrete cap size shall increase as required to fit wall. New size shall be approved by Engineer and provided at no additional cost to contract.

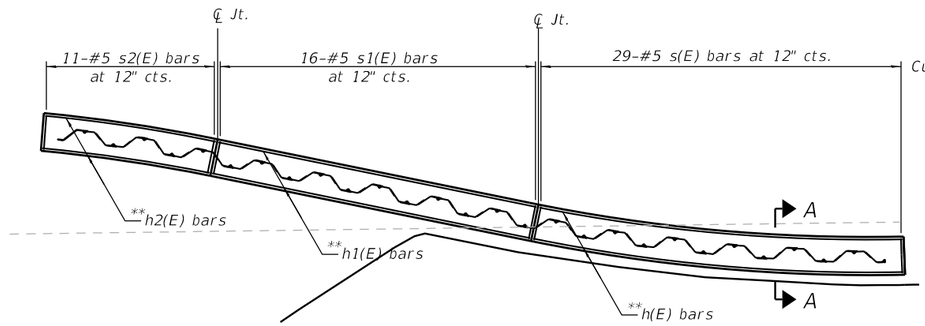


CONCRETE FACING DETAIL



CONCRETE FACING FORM LINER SECTION

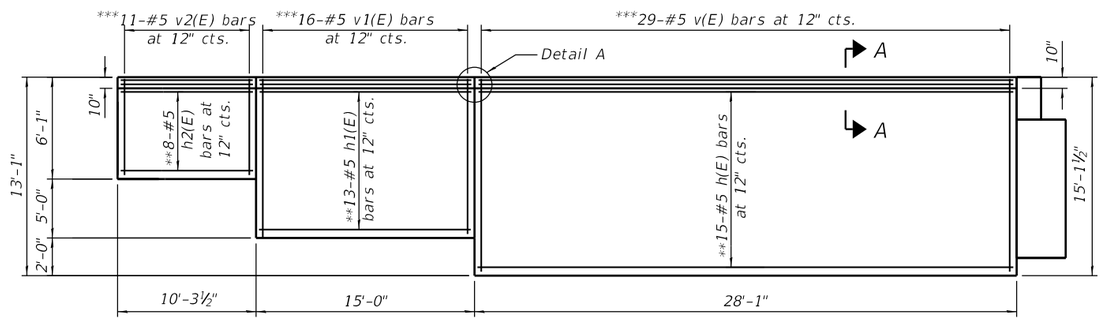
Not to Scale



PLAN

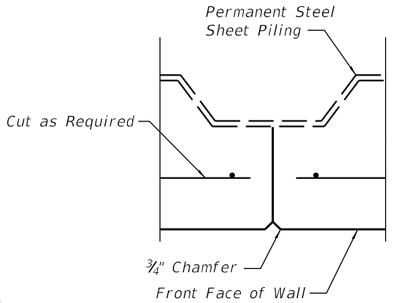
Note:
Constructed lengths to be adjusted based on actual sheet pile sizes.

** Bend in field to fit
*** Cut in field to fit



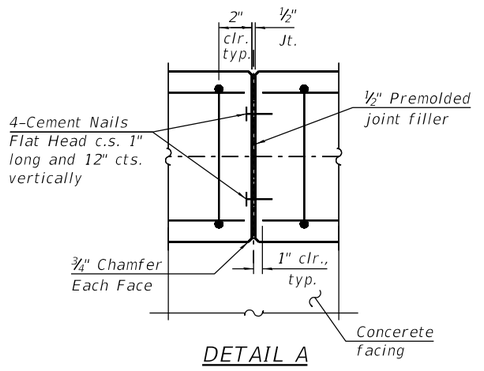
ELEVATION

(Rotated into view, Railing not shown for clarity)

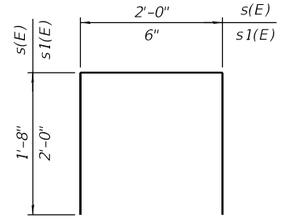


VERTICAL CONTRACTION JOINT

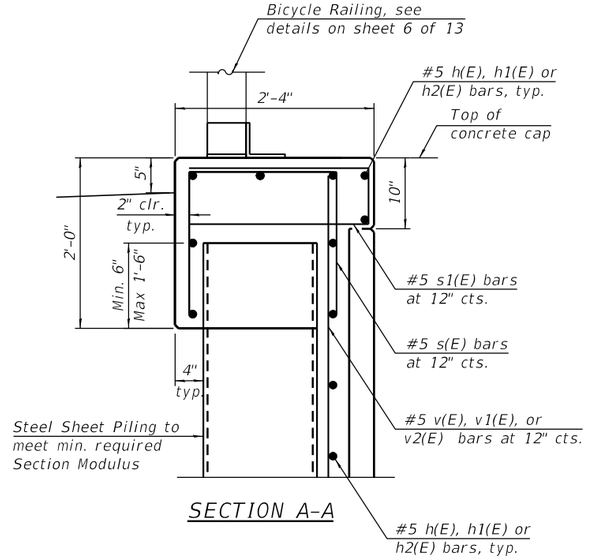
Do not run any reinforcement bars thru joint.
Max. joint spacing = 30'-0".
Locate joint at interlock.



DETAIL A



BAR s(E) &s1(E)



SECTION A-A

BILL OF MATERIAL

	Bar	No.	Size	Length	Shape
**	h(E)	20	#5	27'-9"	———
**	h1(E)	18	#5	14'-8"	———
**	h2(E)	13	#5	9'-11"	———
***	v(E)	29	#5	14'-10"	———
***	v1(E)	16	#5	11'-10"	———
***	v2(E)	11	#5	6'-2"	———
	s(E)	56	#5	5'-4"	⊓
	s1(E)	56	#5	4'-6'	⊓
*	Concrete Structures			Cu Yd	38
	Structure Excavation			Cu Yd	34
	Reinforcement Bars, Epoxy Coated			Pound	2,280
	Permanent Sheet Piling			Sq Ft	2,187
	Concrete Sealer			Sq Ft	887

* Concrete Structures calculated based on sheet piling size PZ40. Concrete quantity to be adjusted based on actual sheet piling sizes.
** Bend in field to fit
*** Cut in field to fit

FILE NAME = S:\JOL\6408-6499\6437\102\Drawings\CAD\Macros\CADD_Sheets\099-P012-xxxx-008-CONCCAP.dgn

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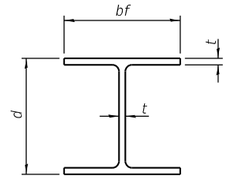
IDFPR NO. 184-001273

USER NAME = JoeSc	DESIGNED - BRL	REVISED -	
	CHECKED - AJS	REVISED -	
PLOT SCALE =	DRAWN - BJF	REVISED -	
PLOT DATE = 3/29/2019	CHECKED - BRL	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

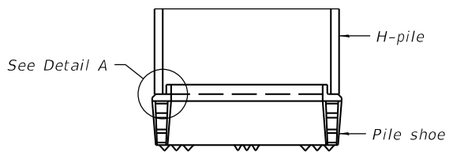
CONCRETE CAP AND FACING
STRUCTURE NO. 099-P012
SHEET NO. 8 OF 13 SHEETS

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1003	15-00024-00-BT	WILL	62	46
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			

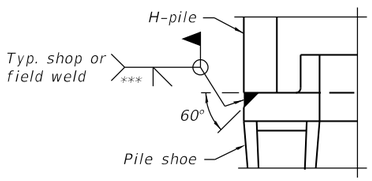


STEEL PILE TABLE

Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14¼"	14⅞"	13/16"	30"
x102	14"	14¾"	11/16"	30"
x89	13⅞"	14¾"	⅝"	30"
x73	13⅝"	14⅝"	½"	30"
HP 12x84	12¼"	12¼"	11/16"	24"
x74	12⅛"	12¼"	⅝"	24"
x63	12"	12⅛"	½"	24"
x53	11¾"	12"	7/16"	24"
HP 10x57	10"	10¼"	9/16"	24"
x42	9¾"	10⅛"	7/16"	24"
HP 8x36	8"	8⅛"	7/16"	18"



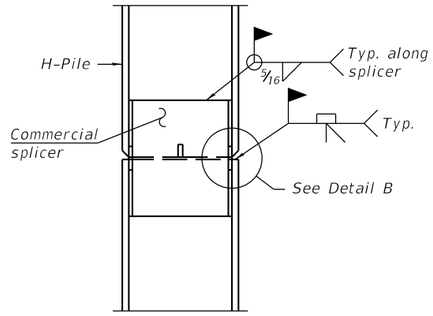
ELEVATION



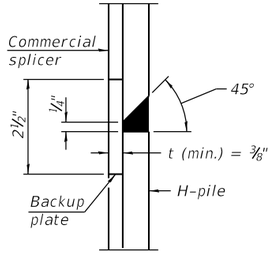
DETAIL A

SHOE ATTACHMENT

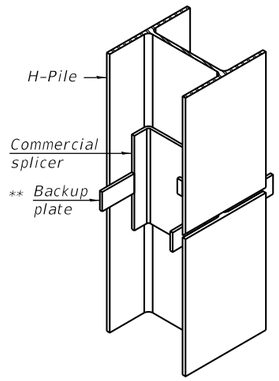
Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.



ELEVATION

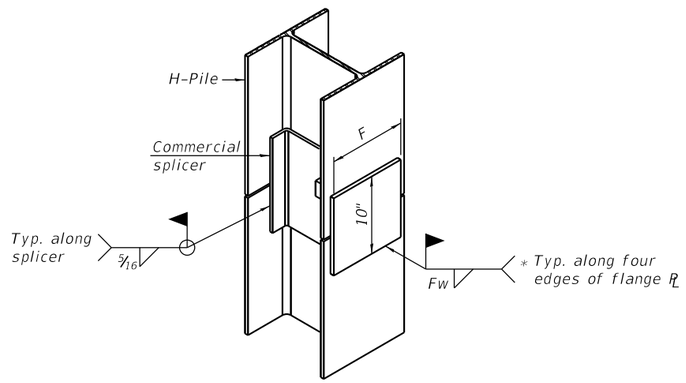


DETAIL "B"



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



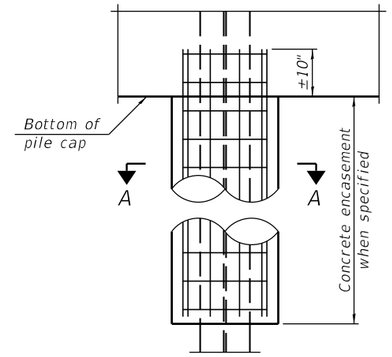
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

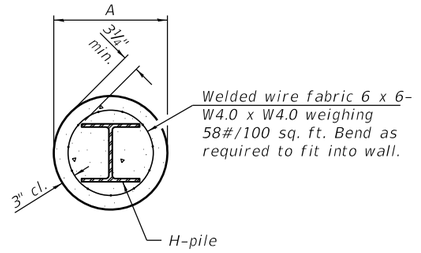
* Interrupt welds ¼" from end of web and/or each flange.

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

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



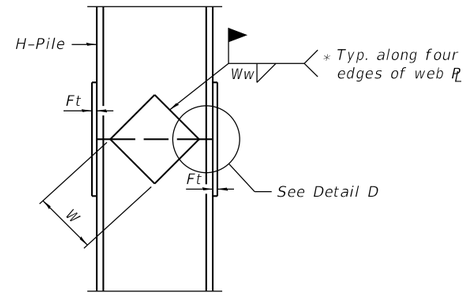
ELEVATION



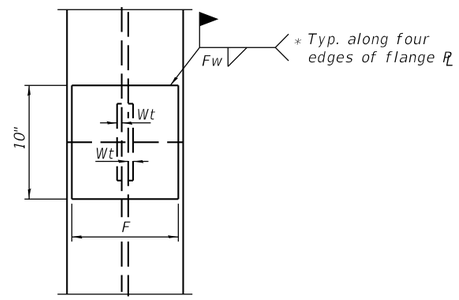
SECTION A-A

INDIVIDUAL PILE CONCRETE ENCASEMENT

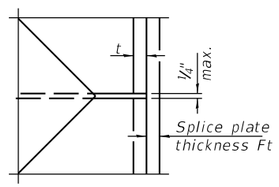
(Forms for encasement may be omitted when soil conditions permit).



ELEVATION



END VIEW



DETAIL D

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

WELDED PLATE FIELD SPLICE

F-HP 8-11-2017

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(815) 744-4200
IDFPR NO. 184-001273

USER NAME = JakeSc	DESIGNED - BRL	REVISED -	
	CHECKED - AJS	REVISED -	
PLOT SCALE =	DRAWN - BJF	REVISED -	
PLOT DATE = 3/29/2019	CHECKED - BRL	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HP PILE DETAILS
STRUCTURE NO. 099-P012
SHEET NO. 9 OF 13 SHEETS

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1003	15-00024-00-BT	WILL	62	47
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			

FILE NAME = S:\JOL\6400-6499\6437\102\Drawings\CAD\Micros\CADD_Sheets\099-P012-xxxx-009-HPILE.dgn

ILLINOIS DEPARTMENT OF TRANSPORTATION — SOIL BORING LOG

Date 12/4/17

ROUTE **M.U.N. 1003** DESCRIPTION **Proposed Pedestrian Bridge** Logged By **MXL**

SECTION **15-00024-00-BT** LOCATION **SEC of Bridge St. & Blackberry Ln., Channahon, IL** SEC TWP. RNG. PM

COUNTY **Will** STRUCTURE NO. **099-P012** (Exist.) (Prop.)

Drilling Method **AASHTO T 206-09** Hammer Type **Automatic Hammer**

Boring No. **B-1**
Station **260+00**
Offset **32' RT**
Ground Surface El. **+520.00+/-** M.S.L.

Surf. Wat. El. ____
Groundwater Elev.:
When Drilling **18.5'**
at Completion **12'**
After ____ Hrs

ELEV. (M.S.L.)	DEPTH (ft.)	SPT N (blows)	UCS Qu (TSF)	MOIST. (%)	Description
519.4					7.5" BITUNIMOUS CONCRETE PAVEMENT
518.9	1.0				6" SAND AND GRAVEL BASE COURSE, Brown
		18			FILL: CLAY, Brown and Dark Brown, Little Fine Sand, Contains Gravel, Some Cobble Pieces, Stiff, Moist (A-6)
	2.0	15	1.50 P	10.4	(Sample 1: pH= 8.23)
		12			
516.5	3.0				
		7			FILL: SAND AND GRAVEL, Brown and Dark Brown, Some Clay, Medium Dense, Dry (A-2-6)
	4.0	9		6.5	
	5.0	6			
514.0	6.0				
		4			FILL: SANDY LOAM, Dark Brown, Medium Dense, Dry (A-2-4)
	7.0	5		6.3	
		7			
511.5	8.0				
	9.0	5			FILL: CLAY, Brown and Gray, Trace Sand and Gravel, Stiff, Moist (A-6)
		5	1.98 B	19.2	(Dry Unit Weight = 110.9 pcf)
	10.0	5			
509.0	11.0				
		7			CLAY, Dark Brown and Brown, Trace Sand and Gravel, Stiff, Moist (A-6)
	12.0	5	1.10 S	21.3	(Dry Unit Weight = 101.7 pcf)
		6			
506.5	13.0				
		6			CLAY, Brown and Gray, Trace Sand and Gravel, Very Stiff, Moist (A-6)
	14.0	5	2.75 P	27.2	
	15.0	8			
504.0	16.0				
		5			SILTY LOAM, Brown, With Gravel, Dense, Moist (A-4)
	17.0	14		11.6	
		19			
501.5	18.0				
	19.0	7			SILT, Gray, Trace Clay, Medium Dense, Moist (A-4)
		13		23.1	
	20.0	7			

ELEV. M.S.L.	DEPTH (ft.)	SPT N (blows)	UCS Qu (TSF)	MOIST. (%)	Description
499.0	21.0				
		5			CLAY, Gray, Trace Sand and Gravel, Stiff, Moist (A-6)
	22.0	10	1.36 B	25.5	(Dry Unit Weight = 99.4 pcf)
		10			
496.5	23.0				
		11			SANDY LOAM, Gray, Medium Dense, Saturated (A-2-4)
	24.0	11			
	25.0	15			
494.0	26.0				
		16			POORLY GRADED SAND, Gray, Fine, Trace Gravel, Dense, Saturated (A-1-b)
	27.0	14			
		16			
491.5	28.0				
	29.0	4			CLAY, Gray, Trace Sand and Gravel, Stiff, Moist (A-6)
		7	1.56 S	18.1	(Dry Unit Weight = 111.1 pcf)
490.0	30.0	9			
	31.0				End of Boring @ 30.0 Feet
	32.0				Note: 1. No Petroleum odors were observed in this boring utilizing olfactory senses. All the soil samples were screened with a MiniRae 3000 OVM photo-ionization device (PID) and all samples displayed 0 ppm.
	33.0				
	34.0				
	35.0				
	36.0				
	37.0				
	38.0				
	39.0				
	40.0				

N=Standard Penetration Test-Blows per six inches to drive 2" O.D. (QU)B=Bulge S=Shear P=Penetrometer Test

Split Spoon Sampler 24" with 140lb hammer falling 30"

4.25" Diameter Hollow Stem Augers used between Split Spoon Sample intervals unless noted otherwise.

SEECO Job No. 11844G

ILLINOIS DEPARTMENT OF TRANSPORTATION — SOIL BORING LOG

Date 12/4/17

ROUTE **M.U.N. 1003** DESCRIPTION **Proposed Pedestrian Bridge** Logged By **MXL**

SECTION **15-00024-00-BT** LOCATION **SEC of Bridge St. & Blackberry Ln., Channahon, IL** SEC TWP. RNG. PM

COUNTY **Will** STRUCTURE NO. **099-P012** (Exist.) (Prop.)

Drilling Method **AASHTO T 206-09** Hammer Type **Automatic Hammer**

Boring No. **B-2**
Station **260+52**
Offset **25' LT**
Ground Surface El. **+525.23+/-** M.S.L.

Surf. Wat. El. ____
Groundwater Elev.:
When Drilling **23'**
at Completion **17'**
After ____ Hrs

ELEV. (M.S.L.)	DEPTH (ft.)	SPT N (blows)	UCS Qu (TSF)	MOIST. (%)	Description
					14" PORTLAND CEMENT CONCRETE PAVEMENT
524.1	1.0				
523.7		17		4.7	5" CRUSHED STONE BASE COURSE, Gray, Dry
	2.0	7	2.75 P	16.2	FILL: CLAY, Brown and Gray, Trace Sand and Gravel, Very Stiff, Moist (A-6)
		5			
	3.0				
		5			(Sample 2: Dry Unit Weight = 115.5 pcf)
	4.0	5	2.60 B	16.8	
	5.0	6			
	6.0				
		4			(Sample 3: pH= 8.12)
	7.0	6	2.00 P	19.7	
516.7	8.0	6			
	9.0	5			FILL: CLAY, Dark Brown, Brown and Gray, Trace Sand and Gravel, Very Stiff, Moist (A-6)
		5	2.45 S	22.6	(Sample 4: Dry Unit Weight = 101.1 pcf)
	10.0	8			
	11.0				
		5			(Sample 5: Dry Unit Weight = 99.9 pcf)
	12.0	7	2.09 S	25.5	
		9			
511.7	13.0				
	14.0	4			CLAY, Dark Brown and Black, And Little Brown, Trace Gravel, Very Stiff, Wet (Transitional Material) (A-7-5)
		6	2.50 P	30.0	
	15.0	6			
509.2	16.0				
		5			CLAY, Brown and Gray, Trace Sand, Very Stiff, Moist (A-7-6)
	17.0	9	2.30 B	24.5	(Sample 7: Dry Unit Weight = 100.6 pcf) (Atterberg Limits: LL= 53, PL = 26, PI = 27) (Combined Sieve and Hydrometer Analysis)
		9			
506.7	18.0				
	19.0	5			CLAY, Brown and Gray, Trace Sand, Medium, Moist (A-6)
		7	0.75 P	26.4	
	20.0	8			

ELEV. M.S.L.	DEPTH (ft.)	SPT N (blows)	UCS Qu (TSF)	MOIST. (%)	Description
504.2	21.0				
		18			SANDY LOAM , Brown, Some Gravel, Very Dense, Moist to Saturated (A-2-4)
	22.0	20		16.4	
		32			
	23.0				(Saturated Below 23')
501.7					
		15			SANDY GRAVEL, Brown, Contains Cobble Pieces, Dense to Extremely Dense, Saturated (A-1-b)
	24.0	20			
	25.0	24			
	26.0				
		27			
	27.0	33			
		39			
	28.0				
	29.0	25			
		40			
495.2	30.0	44			
	31.0				End of Boring @ 30.0 Feet
	32.0				Note: 1. No Petroleum odors were observed in this boring utilizing olfactory senses. All the soil samples were screened with a MiniRae 3000 OVM photo-ionization device (PID) and all samples displayed 0 ppm.
	33.0				2. Borehole location moved 20' west from the original borehole location in order to avoid reinforced concrete slab.
	34.0				
	35.0				
	36.0				
	37.0				
	38.0				
	39.0				
	40.0				

N=Standard Penetration Test-Blows per six inches to drive 2" O.D. (QU)B=Bulge S=Shear P=Penetrometer Test

Split Spoon Sampler 24" with 140lb hammer falling 30"

4.25" Diameter Hollow Stem Augers used between Split Spoon Sample intervals unless noted otherwise.

SEECO Job No. 11844G

FILE NAME = S:\JOL\6400-6499\6437\02\Drawings\CADD\Micros\CADD Sheets\099-P012-xxxx-010-SBLI.dgn

STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273

USER NAME = JakeSc	DESIGNED - BRL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	CHECKED - AJS	REVISED -	
PLOT SCALE =	DRAWN - BJF	REVISED -	
PLOT DATE = 3/29/2019	CHECKED - BRL	REVISED -	

SOIL BORING LOG - 1
STRUCTURE NO. 099-P012
SHEET NO. 10 OF 13 SHEETS

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1003	15-00024-00-BT	WILL	62	48
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			

ILLINOIS DEPARTMENT OF TRANSPORTATION — SOIL BORING LOG

Date 12/4/17

ROUTE M.U.N. 1003 DESCRIPTION Proposed Pedestrian Bridge Logged By MXL

SECTION 15-00024-00-BT LOCATION SEC of Bridge St. & Blackberry Ln., Channahon, IL SEC TWP. RNG. PM

COUNTY Will STRUCTURE NO. 099-P012 (Exist.) (Prop.)

Drilling Method AASHTO T 206-09 Hammer Type Automatic Hammer

Boring No. B-3
Station 262+08
Offset 0'
Ground Surface El. +523.50+/- M.S.L.

Surf. Wat. El.
Groundwater Elev.:
When Drilling 18.5'
at Completion 12.5'
After Hrs

	ELEV. (M.S.L.)	DEPTH (ft.)	SPT N (blows)	UCS Qu (TSF)	MOIST. (%)
13" PORTLAND CEMENT CONCRETE PAVEMENT	522.4	1.0			
11" CRUSHED STONE BASE COURSE, Gray, Dry	521.5	2.0	25 10		4.9
FILL: CLAY, Brown and Dark Brown, Trace Sand and Gravel, Stiff, Moist (A-6) (Sample 1B: pH= 8.26)	520.0	3.0	5		16.8
FILL: CLAY, Dark Brown and Black, Trace Sand, Medium, Wet (A-7-6)	519.0	4.0	2 2	0.75 P	35.6
FILL: SAND AND GRAVEL, Tan, Contains Cobble Pieces, Medium Dense, Moist (A-1-b)	518.0	5.0	11		10.3
FILL: CLAY, Dark Brown and Brown, Trace Black, Trace Sand, Contains Cobble Pieces, Stiff, Moist (A-6) (Sample 3: pH= 8.40)		6.0	11		
		7.0	8 8	1.50 P	20.4
	515.0	8.0			
FILL: CLAY, Dark Brown and Brown, Little Gravel, Contains Cobble Pieces, Very Stiff, Moist (A-6)		9.0	6		
			7 6	2.25 P	18.5
	512.5	10.0			
FILL: GRAVEL AND COBBLE PIECES, Tan, Medium Dense, Dry (A-1-a)		11.0	9		
		12.0	7 5		4.4
	510.0	13.0			
CLAY, Black and Dark Brown, Trace Sand, Very Stiff, Wet (Transitional Material) (A-7-6) (Atterberg Limits: LL= 42, PL= 24, PI= 18)		14.0	4		
			4 5	2.50 P	35.1
	507.5	15.0			
CLAY, Brown and Gray, Trace Sand and Gravel, Medium, Moist (A-7-6) (Sample 7: Dry Unit Weight = 90.5 pcf)		16.0	7		
		17.0	11 19	0.92 S	31.4
	505.0	18.0			
SANDY GRAVEL, Brown, Contains Cobble Pieces, Medium Dense to Very Dense, Saturated (A-1-b)		19.0	14		
			12 12		
		20.0			
		21.0	12		
		22.0	12 15		
		23.0			
		24.0	11 16		
		25.0	21		
		26.0			
		27.0	20 18 25		
		28.0			
		29.0	23 37		
	493.5	30.0	42		
		31.0			
		32.0			
		33.0			
		34.0			
		35.0			
		36.0			
		37.0			
		38.0			
		39.0			
		40.0			

(Combine Sieve and Hydrometer Analysis)

End of Boring @ 30.0 Feet

Note:
1. No Petroleum odors were observed in this boring utilizing olfactory senses. All the soil samples were screened with a MiniRae 3000 OVM photo-ionization device (PID) and all samples displayed 0 ppm.

N=Standard Penetration Test-Blows per six inches to drive 2" O.D. (QU)B=Bulge S=Shear P=Penetrometer Test

Split Spoon Sampler 24" with 140lb hammer falling 30"
4.25" Diameter Hollow Stem Augers used between Split Spoon Sample intervals unless noted otherwise.

SEECO Job No. 11844G

ILLINOIS DEPARTMENT OF TRANSPORTATION — SOIL BORING LOG

Date 12/4/17

ROUTE M.U.N. 1003 DESCRIPTION Proposed Pedestrian Bridge Logged By MXL

SECTION 15-00024-00-BT LOCATION SEC of Bridge St. & Blackberry Ln., Channahon, IL SEC TWP. RNG. PM

COUNTY Will STRUCTURE NO. 099-P012 (Exist.) (Prop.)

Drilling Method Hand Auger Hammer Type Portable Hammer

Boring No. HA-1
Station 260+93
Offset 17' LT
Ground Surface El. +516.00+/- M.S.L.

Surf. Wat. El.
Groundwater Elev.:
When Drilling DRY
at Completion DRY
After Hrs

	ELEV. (M.S.L.)	DEPTH (ft.)	SPT N (blows)	UCS Qu (TSF)	MOIST. (%)
SAND AND GRAVEL, Brown and Some Dark Brown, Contains Cobbles, Dense, Dry (A-1-b)		1.0			
	514.4		15 25		2.9
End of Boring @ 1.58 Feet		2.0			
		3.0			
		4.0			
		5.0			
		6.0			
		7.0			
		8.0			
		9.0			
		10.0			
		11.0			
		12.0			
		13.0			
		14.0			
		15.0			
		16.0			
		17.0			
		18.0			
		19.0			
		20.0			

Note:
1. No Petroleum odors were observed in this boring utilizing olfactory senses. One soil sample was screened with a MiniRae 3000 OVM photo-ionization device (PID) and this sample displayed 0 ppm.

2.Total split spoon sampler refusal was encountered at approximately 1.58 feet below the existing ground surface level (N=25 blows/ 1 inch) and total hand auger refusal was encountered at approximately 1.58 feet below the existing ground surface level.

3. Possibile top of bedrock encountered at approximately 1.58 feet below the existing ground surface (Driller's Observation).

4. The borehole was drilled and sampled using a 3" diameter open tubular hand auger in conjunction with a portable 35-pound hammer dropped 30 inches onto the split spoon sampler with the resulting blow counts converted to an equivalent SPT ("N") value utilizing the potential energy equation.

N=Standard Penetration Test-Blows per six inches to drive 2" O.D. (QU)B=Bulge S=Shear P=Penetrometer Test

Split Spoon Sampler 24" with 140lb hammer falling 30"
4.25" Diameter Hollow Stem Augers used between Split Spoon Sample intervals unless noted otherwise.

SEECO Job No. 11844G

FILE NAME = S:\JOL\6400-6499\6437\102\Drawings\CAD\Micros\CADD Sheets\099-P012-xxxx-011-SBL2.dgn

STRAND ASSOCIATES® 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273

USER NAME = JakeSc	DESIGNED - BRL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
	CHECKED - AJS	REVISED -	
PLOT SCALE =	DRAWN - BJF	REVISED -	
PLOT DATE = 3/29/2019	CHECKED - BRL	REVISED -	

SOIL BORING LOG - 2
STRUCTURE NO. 099-P012
SHEET NO. 11 OF 13 SHEETS

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1003	15-00024-00-BT	WILL	62	49
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			

Bench Mark: #1 (STA. 15+392.70, 6.7 m LT (north)) Square cut in north end of 1m headwall in N.W. corner Bridge St. and Cherry St., El. 160.328. #2 (STA. 15+619.5, 4.0 m LT.) Square cut in concrete sidewalk in N.W. corner Bridge St. and I & M Canal bridge, El. 160.023.

Existing Structure: SN 099-0207 built as SBI Route 7A, Section F(I&2)I-4-DL(90), in 1918. The structure consists of a single span pony trusses (span lengths 22.94 m), 24.09 m Bk.- Bk. abutments and 6.82 m O. - O. deck, with 1.02 m. wood sidewalk on the north side. The existing superstructure and substructure will be removed and replaced. The bridge will be closed to thru traffic during construction.

No salvage.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

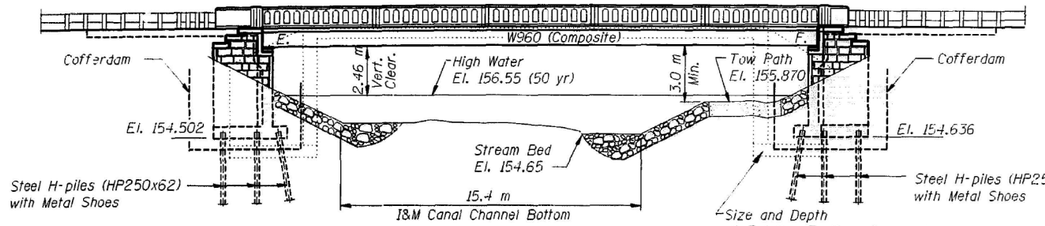
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 7 F.A.	F-1-B-R	WILL	44	15
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJ. #		

SHEET NO. 01
19 SHEETS

C-91-387-97

EXISTING ADJACENT STRUCTURE S.N. 099-4612 FOR INFORMATION ONLY

INDEX OF SHEETS



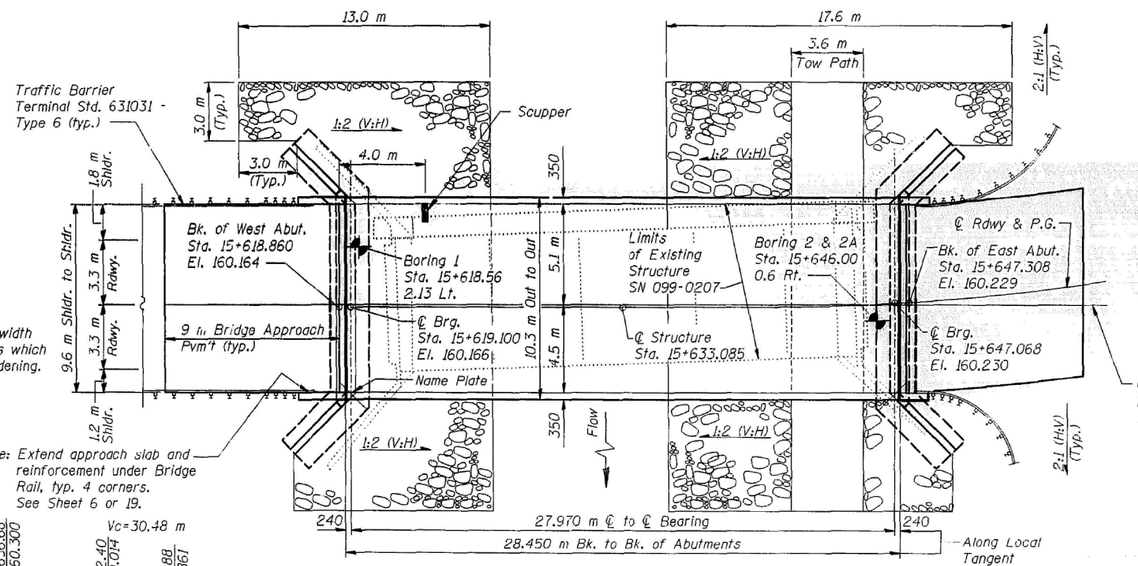
ELEVATION

STATION 15+633.085
BUILT 2000 BY
STATE OF ILLINOIS
SBI ROUTE 7A,
BRIDGE STREET
LOADING HS20
STR. NO. 099-4612

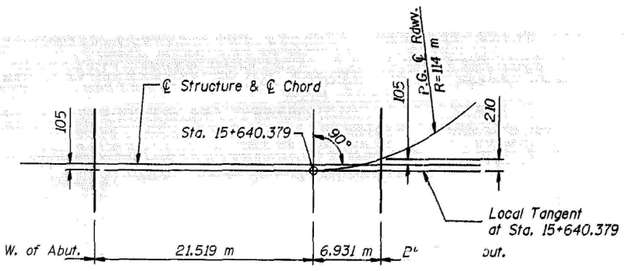
PROJ. BROS-197(89)

NAME PLATE

See Std. 515001

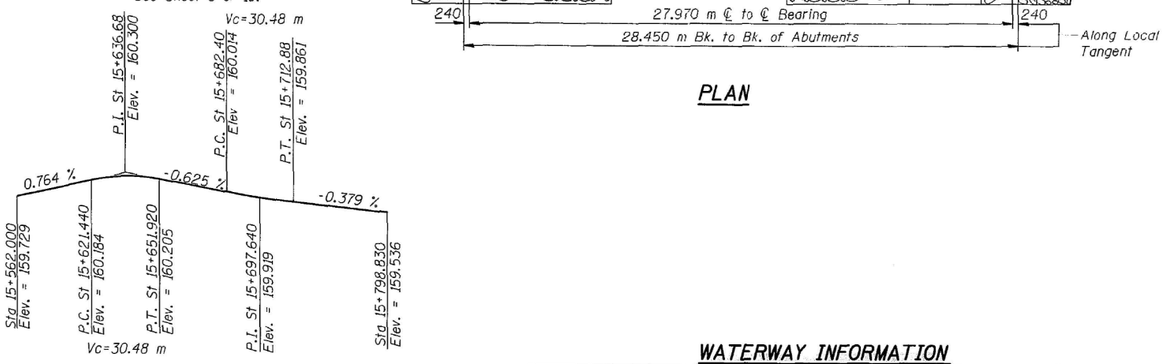


PLAN



OFFSET SKETCH

Note: The width between the guardrails shall be the width between the bridge rails which will require shoulder widening.



PROFILE GRADE

Along ℄ SBI 7A

DESIGNED	SJB
CHECKED	JOH
DRAWN	SJB
CHECKED	JOH

WATERWAY INFORMATION

Drainage Area = 51.80 km² Low Grade Elev. 160.17 m @ Sta. 15+619.14

Flood	Freq. Yr.	Q cms	Opening Sq. m		Nat. H.W.E. m	Head - m		Headwater Elev. - m	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	50	20.7	28.7	30.9	156.55	0.00	0.00	156.55	156.55
Base	100	24.4	32.7	35.9	156.73	0.00	0.00	156.73	156.73
Overtopping									
Max. Calc.	500	41.1	41.4	46.7	157.12	0.00	0.00	157.12	157.12

DESIGN SPECIFICATIONS

AASHTO 1996, 1997 & 1998 INTERIMS

LOADING MS18

Allow 2.4 kN/m² for future wearing surface.

DESIGN STRESSES

FIELD UNITS
f'_c = 24 MPa
f_y = 400 MPa (Reinf.)
f_y = 345 MPa (Struct.) (M 270M grade 345)
f_y = 250 MPa (Struct.) (M 270M grade 250)

SEISMIC DATA

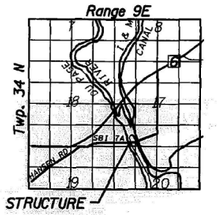
Seismic Performance (SPC) = A
Category
Bedrock Accelaration (A) = 0.040 g
Coefficient
Site Coefficient (S) = 1.0

APPROVED
Ralph E. Anderson

ROBERT C. JANKE 081-004698 REGISTERED STRUCTURAL ENGINEER OF ILLINOIS
Robert C. Janke

CURVE DATA

Δ = 22° 58′ 19″
R = 114.00 m
T = 23.16 m
L = 45.71 m
E = 2.33 m
SE = 2.2%
Begin SE Sta. = 15+598.730
Begin Full SE Sta. = 15+650.00
End Full SE Sta. = 15+676.00
End SE Sta. = 15+727.270
P.C. Sta. = 15+640.38
P.I. Sta. = 15+663.54
P.T. Sta. = 15+686.09



LOCATION SKETCH

GENERAL PLAN
SBI ROUTE 7A, BRIDGE STREET OVER I&M CANAL (PUBLIC WATER)
SECTION F-1-B-R
WILL COUNTY
STATION 15+633.085
STRUCTURE NO. 099-4612

FILE NAME = S:\JOL\6400-6499\6437\102\Drawings\CAD\Micros\CADD.Sheets\099-P012-xxx-012-EOPE.dgn

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME = JakeSc	DESIGNED - BRL	REVISED -	
	CHECKED - AJS	REVISED -	
PLOT SCALE =	DRAWN - BJF	REVISED -	
PLOT DATE = 3/29/2019	CHECKED - BRL	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING ADJACENT STRUCTURE GENERAL PLAN AND ELEVATION
STRUCTURE NO. 099-P012
SHEET NO. 12 OF 13 SHEETS

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1003	15-00024-00-BT	WILL	62	50
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			

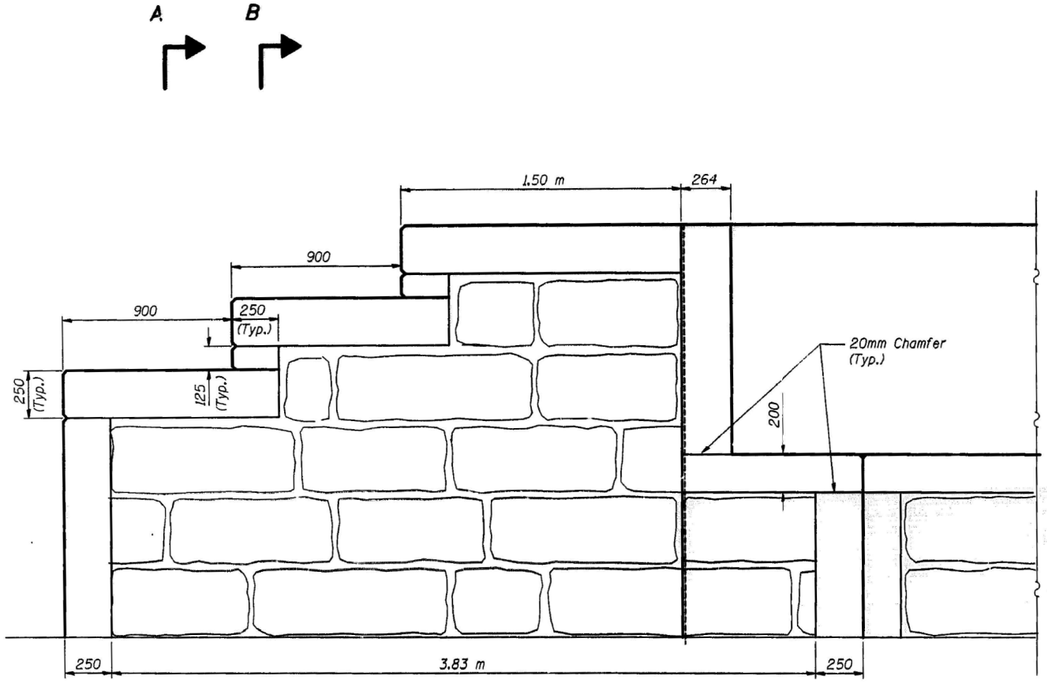
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I.7 F.A.P.	F-1-B-R	WILL	44	28
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT:		

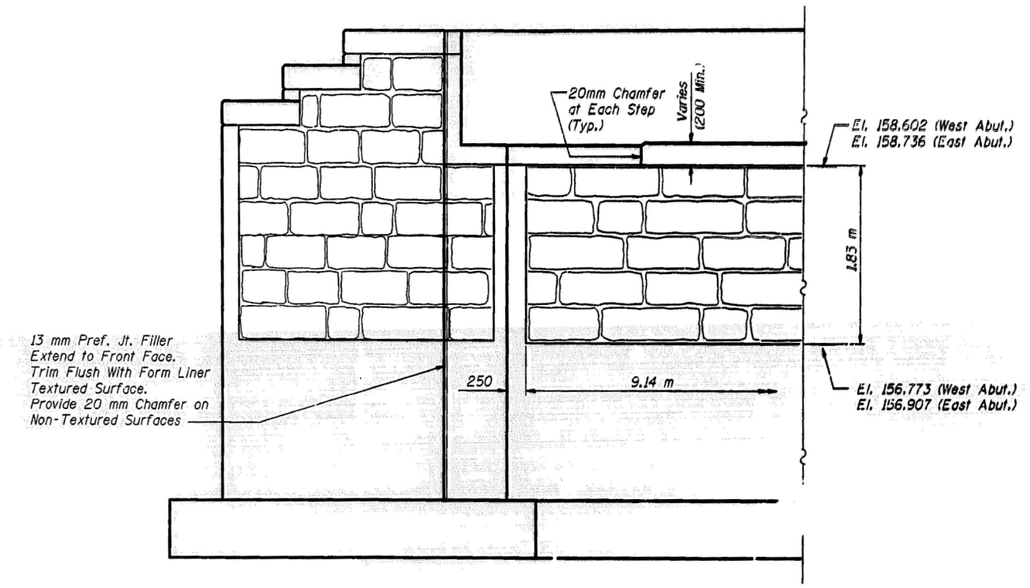
SHEET NO. 14
19 SHEETS

C-91-387-97

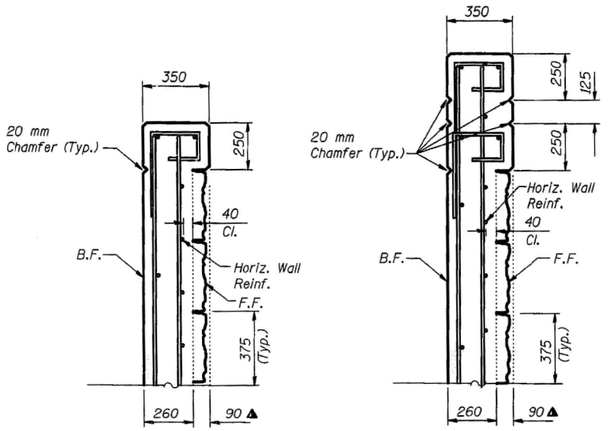
EXISTING ADJACENT
STRUCTURE S.N. 099-4612
FOR INFORMATION ONLY



WINGWALL ELEVATION - FORM LINER TEXTURED SURFACE



PARTIAL ABUTMENT ELEVATION - FORM LINER TEXTURED SURFACE



SECTION A-A

SECTION B-B

DESIGNED	SJB
CHECKED	RCJ
DRAWN	DJS
CHECKED	JOH

▲ Form Liner Textured Surface
Rectangular Cut Stone Pattern
375mm Coursing, 90mm thickness

REVISIONS NAME	DATE

BRIDGE STREET OVER I&M CANAL

FORM LINER TEXTURED SURFACE DETAILS

SCALE: NTS
SECTION: F-1-B-R
STA. 154+33.085

SN: 099-4612
WILL COUNTY, IL

Applied Technologies

FILE NAME = S:\JOL\6400-6499\6437\102\Drawings\CAD\Micros\CADD_Sheets\099-P012-xxx-013-EOPE.dgn

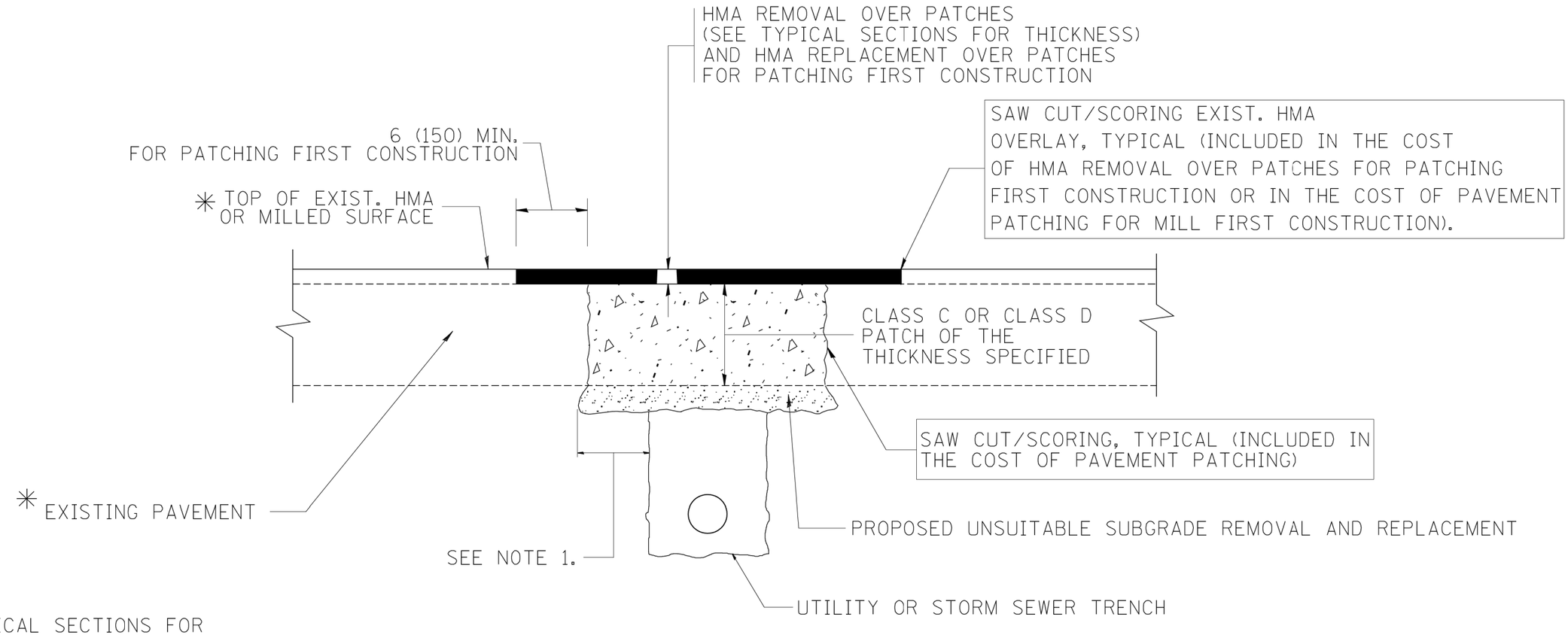
STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
IDFPR NO. 184-001273

USER NAME =	JakeSc	DESIGNED -	BRL	REVISED -	
		CHECKED -	AJS	REVISED -	
PLOT SCALE =		DRAWN -	BJF	REVISED -	
PLOT DATE =	3/29/2019	CHECKED -	BRL	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING ADJACENT STRUCTURE FORM LINER DETAILS
STRUCTURE NO. 099-P012
SHEET NO. 13 OF 13 SHEETS

M.U.N. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1003	15-00024-00-BT	WILL	62	51
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST $4\frac{1}{2}$ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

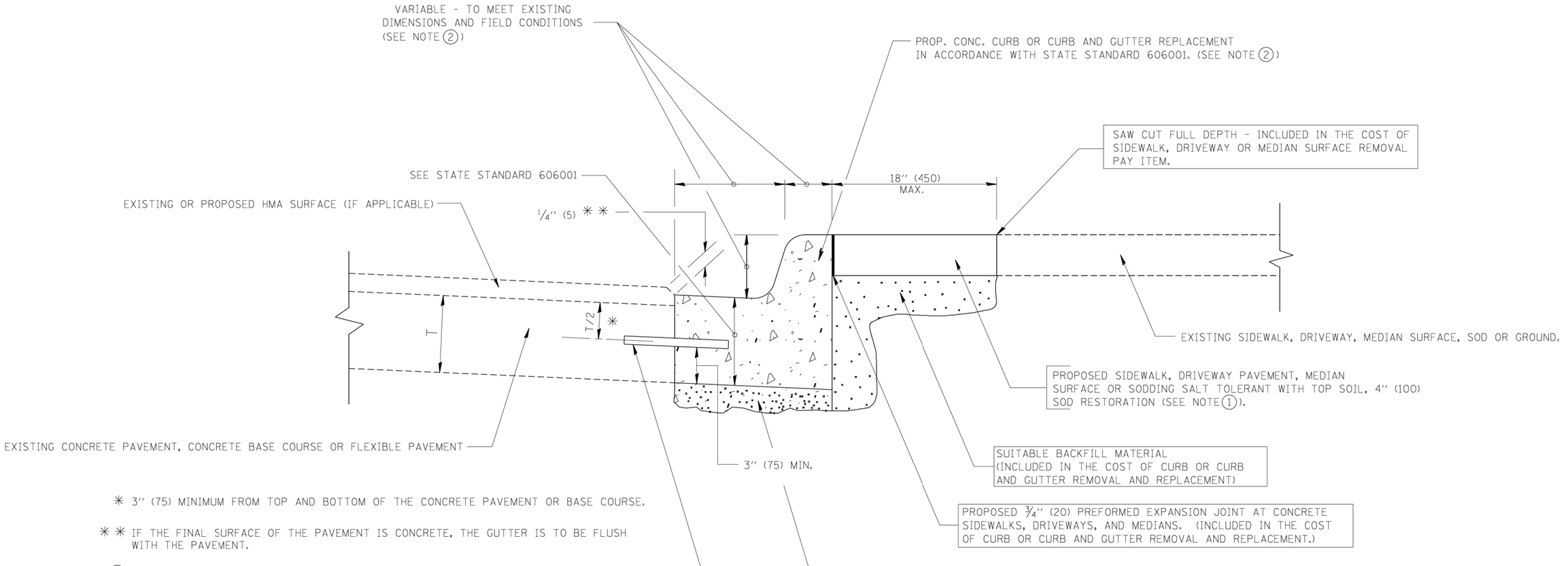
FILE NAME = c:\projects\diststd22x34\bd22.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98
		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - R. BORO 09-04-07
	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	52
	BD400-04 (BD-22)	CONTRACT NO.		61F18
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

* * IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: (1) SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.

(2) FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

(3) CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

(4) FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

(5) LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

(6) THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

(7) THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

(8) THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

BASIS OF PAYMENT:

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

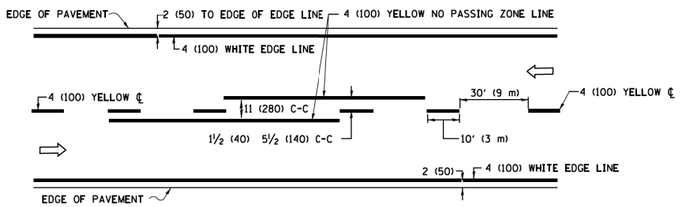
FILE NAME = c:\pw_work\pwidot\drivakosgn\d0108315\bd24.dgn	USER NAME = drivakosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01
	PLOT DATE = 12/15/2009	DATE - 03-11-94	REVISED - R. BORO 12-15-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

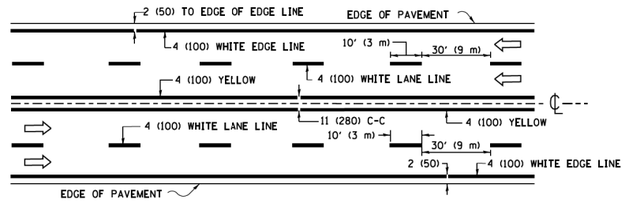
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

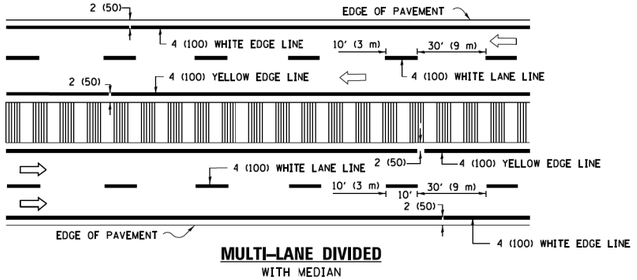
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	53
	BD600-06 (BD-24)	CONTRACT NO.		61F18
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



2–LANE ROADWAY

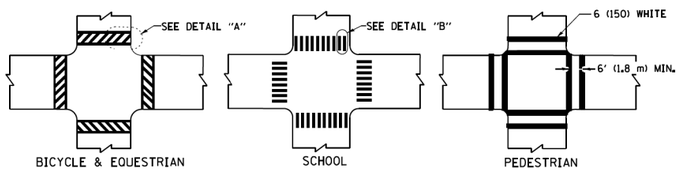


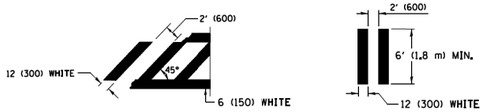
MULTI–LANE UNDIVIDED



MULTI–LANE DIVIDED
WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

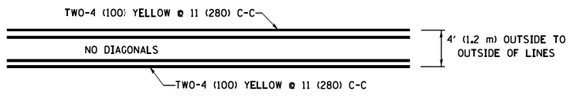




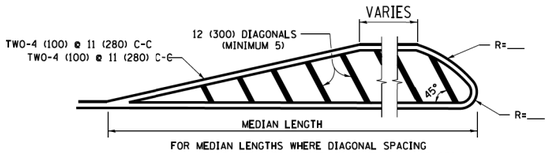
DETAIL "A" **DETAIL "B"**

TYPICAL CROSSWALK MARKING

✳ MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



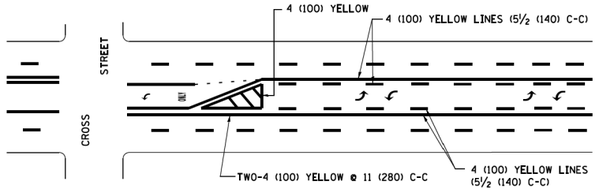
4' (1.2 m) WIDE MEDIANS ONLY



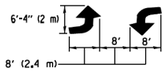
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h))
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

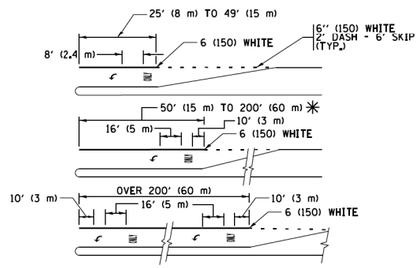


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO–WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

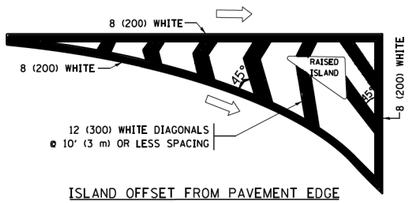


FULL SIZE LETTERS 8' (2,4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1,5 m^2) **ONLY** AREA = 20.8 SQ. FT. (1,9 m^2)

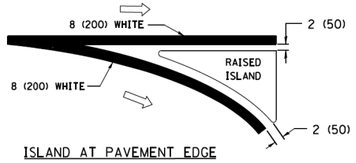
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

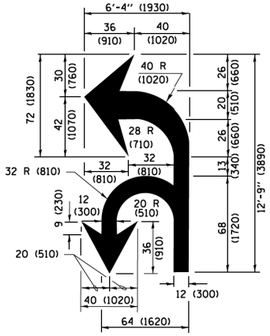


ISLAND OFFSET FROM PAVEMENT EDGE

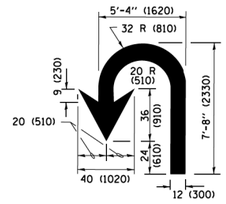


ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

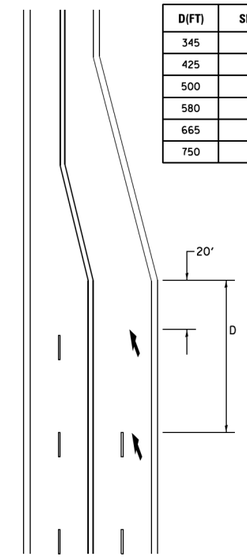


COMBINATION LEFT AND U–TURN



U–TURN

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55



LANE REDUCTION TRANSITION

✳ LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1,8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2,4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2,4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1,8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1,2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1,2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4,5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1,8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3,6 SQ. FT. (0,33 m^2) EACH "X"=54,0 SQ. FT. (5,0 m^2)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16,3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30,4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

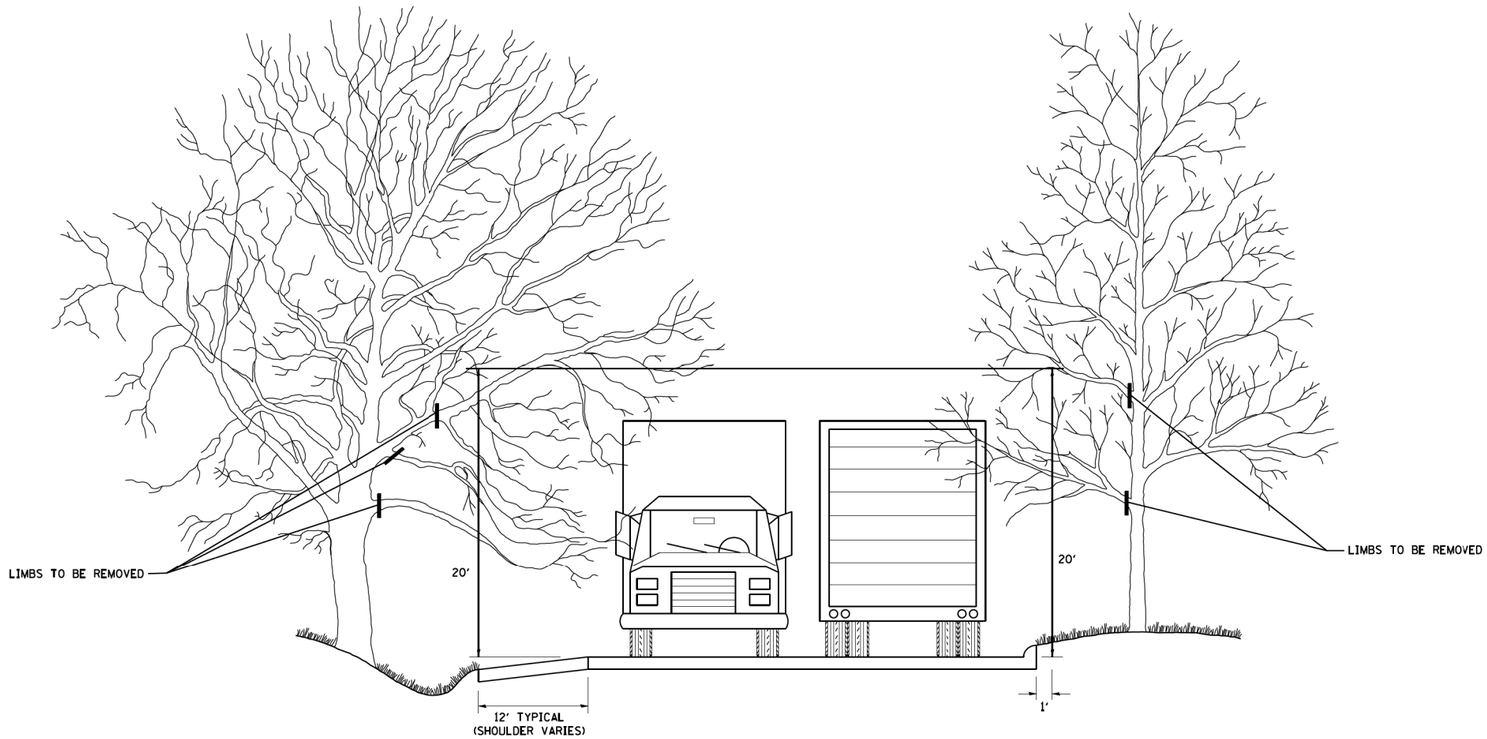
FILE NAME = W:\diststd\22x34\tcl3.dgn	USER NAME = leysa	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
		DRAWN -	REVISED - C. JUCIUS 07-01-13
	PLOT SCALE = 50.000 ' / in.	CHECKED -	REVISED - C. JUCIUS 12-21-15
Default	PLOT DATE = 6/23/2017	DATE - 03-19-90	REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	54
	TC-13	CONTRACT NO.		61F18
	ILLINOIS FED. AID PROJECT			



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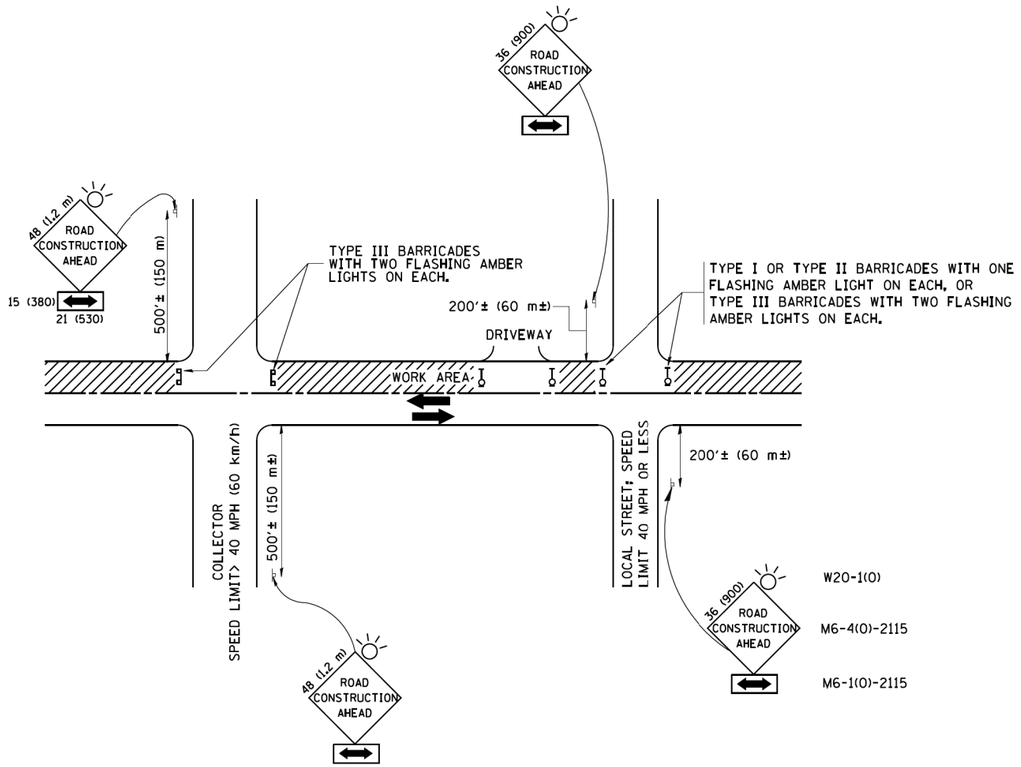
		DRAWN -	REVISED -			392	15-00024-00-BT	WILL	62	55
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -				**BM-20**	CONTRACT NO.		61F18
	PLOT DATE = 1/4/2008	DATE -	REVISED -		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS	FED. AID PROJECT		



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

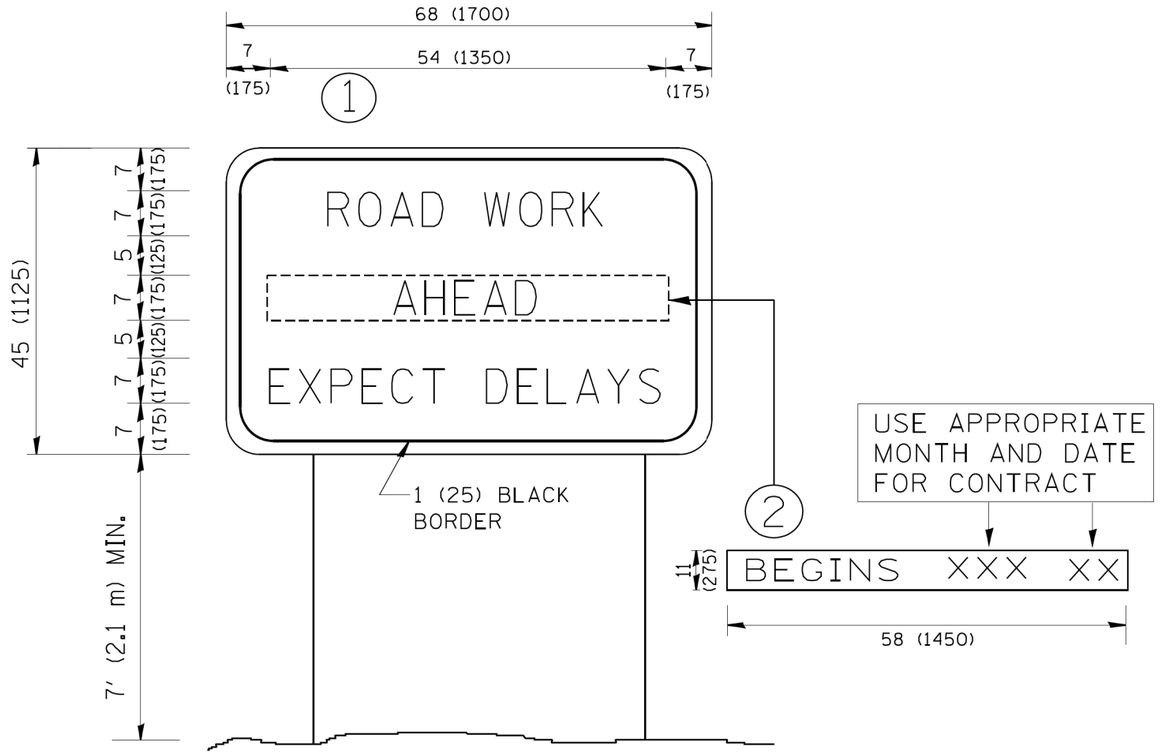
FILE NAME = W:\diststd\22x34\tc10.dgn	USER NAME = gaglianobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED -T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	56
	TC-10	CONTRACT NO.		61F18
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN (1) WITH INSTALLED PANEL (2) ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL (2) SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	57
	TC-22	CONTRACT NO.		61F18
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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

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

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218+50.00 — EX PERM ESMT. — EX ROW — 587.70 — 1.5 % — 1:25 — FILL 0.00 SF — CUT 16.89 SF

218+00.00 — EX PERM ESMT. — EX ROW — 587.60 — 1.5 % — 1:25 — FILL 0.00 SF — CUT 16.26 SF

217+50.00 — EX PERM ESMT. — EX ROW — 588.02 — 1.5 % — 4.75% — 1:4 — FILL 1.26 SF — CUT 18.42 SF

217+00.00 — EX PERM ESMT. — EX ROW — 588.52 — 1.5 % — 5.9 % — 1:4 — FILL 18.47 SF — CUT 20.69 SF

216+50.00 — EX PERM ESMT. — EX ROW — 588.98 — 2.0 % — 6.1 % — 4.5 % — CUT 10.76 SF

216+00.00 — EX PERM ESMT. — EX ROW — 588.67 — 1.5 % — 0.5% — 1:4 — FILL 0.23 SF — CUT 10.76 SF

215+50.00 — EX PERM ESMT. — EX ROW — 588.27 — 1.5 % — 6.4 % — 4.4 % — FILL 5.70 SF — CUT 16.99 SF

215+00.00 — EX PERM ESMT. — EX ROW — 588.47 — 1.5 % — 1:4.6 — 1:5.5 — FILL 1.17 SF — CUT 16.62 SF

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MODEL NAME = Default	DRAWN -	REVISED -	
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 3/29/2019	DATE -	REVISED -	

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

W. BRIDGE STREET MULTI-USE PATH CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 215+00.00 | TO STA. 218+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	58
		CONTRACT NO. 61F18		
		ILLINOIS FED. AID PROJECT		

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

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

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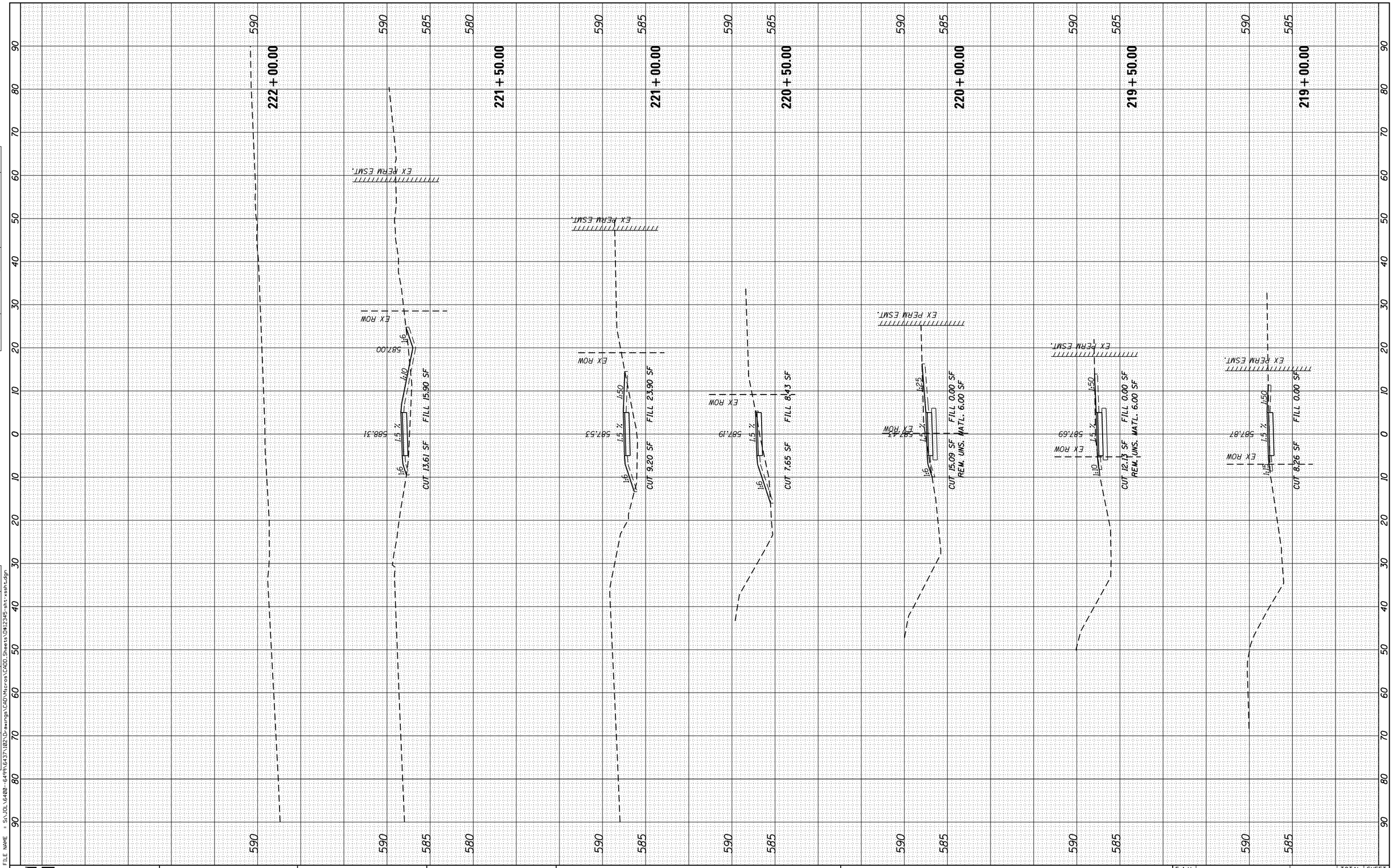

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MODEL NAME = Default	DRAWN -	REVISED -	
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PLOT DATE = 3/29/2019	DATE -	REVISED -	

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DEPARTMENT OF TRANSPORTATION

W. BRIDGE STREET MULTI-USE PATH CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 218+60.00 | TO STA. 222+60.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	59
		CONTRACT NO. 61F18		
	ILLINOIS	FED. AID PROJECT		

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

TO BE LEFT BLANK

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

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USER NAME = JakeSc	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/29/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

W. BRIDGE STREET MULTI-USE PATH CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 223+60.00 TO STA. 225+60.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	60
		CONTRACT NO. 61F18		
		ILLINOIS FED. AID PROJECT		

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

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

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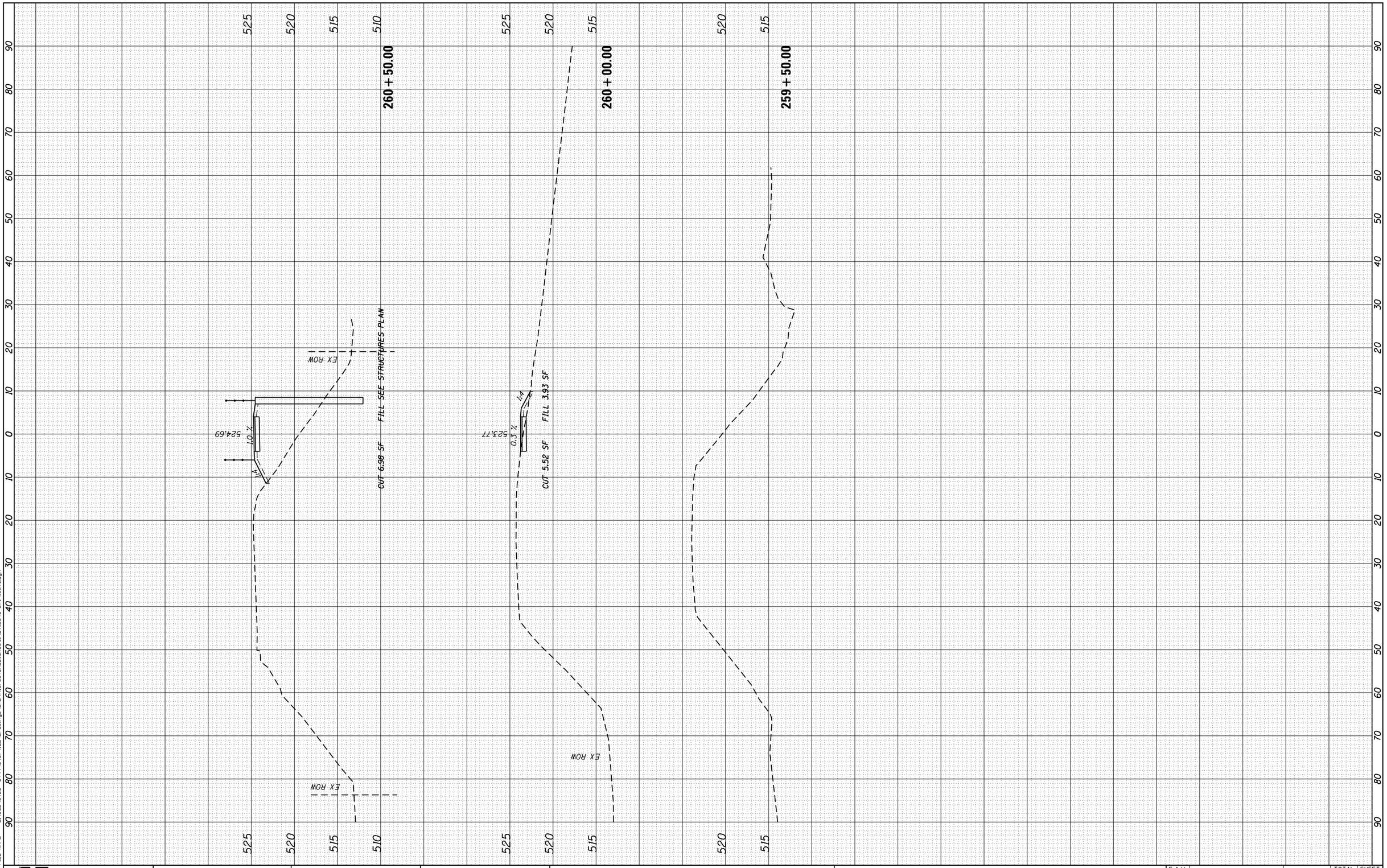

STRAND ASSOCIATES®	USER NAME = JakeSc	DESIGNED -	REVISED -
1170 SOUTH HOUBOLT ROAD	MODEL NAME = Default	DRAWN -	REVISED -
JOLIET, ILLINOIS 60431	PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
(815) 744-4200	PLOT DATE = 3/29/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

W. BRIDGE STREET MULTI-USE PATH CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 226+80.00 | TO STA. 260+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	61
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			

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

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

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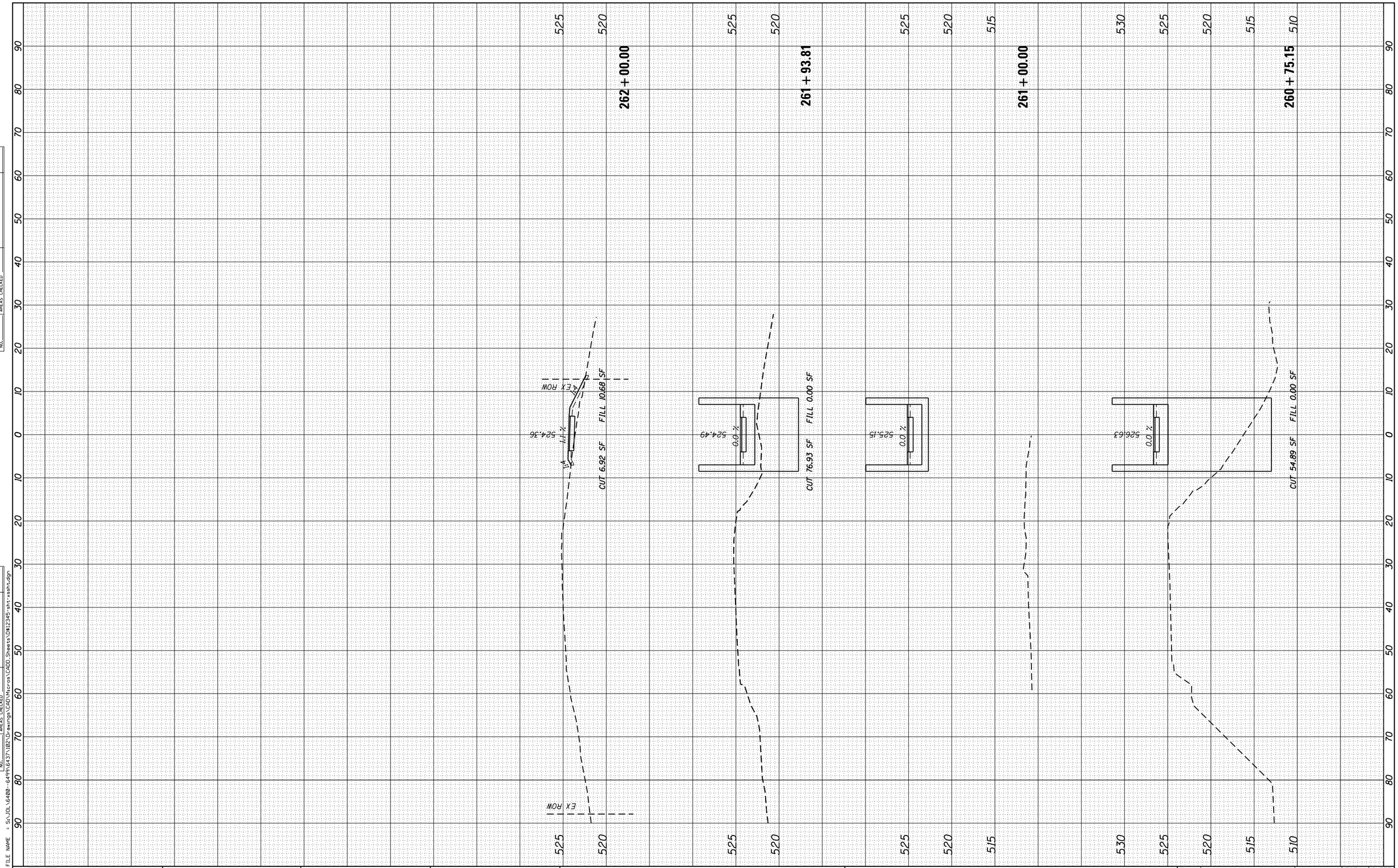

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = JakeSc	DESIGNED -	REVISED -
MODEL NAME = Default	DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/29/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

W. BRIDGE STREET MULTI-USE PATH CROSS SECTIONS

SCALE: | SHEET OF SHEETS | STA. 260+75.15 | TO STA. 262+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
392	15-00024-00-BT	WILL	62	62
		CONTRACT NO. 61F18		
	ILLINOIS FED. AID PROJECT			