

ITEM 614 – MAINTAINING TRAFFIC (GENERAL)

STRUCTURE	MOT NOTES
ERI-4-0841 ERI-6-1657	ADHERE TO THE PLCM WEBSITE AS DETAILED IN THE LANE CLOSURE DISINCENTIVE NOTE IN THESE PLANS. PERFORM ALL WORK REQUIRING LANE RESTRICTIONS ON S.R. 2 UNDER SHOULDER AND/OR LANE CLOSURES BY USE OF PORTABLE BARRIER. WORK REQUIRING TRAFFIC CONTROL ON U.S. 6 AND S.R. 4 SHALL BE PERFORMED USING LANE SHIFTING AS APPROVED BY THE ENGINEER, INCLUDING DURING BEARING REFURBISHING AND RESET ON ERI-4-0841.
ERI-2-0927 ERI-2-1245	ADHERE TO THE PLCM WEBSITE AS DETAILED IN THE LANE CLOSURE DISINCENTIVE NOTE IN THESE PLANS. PERFORM ALL WORK UNDER SHOULDER AND/OR LANE CLOSURES BY USE OF PORTABLE BARRIER.
ERI-2-1406 ERI-2-1773 ERI-13-0650 ERI-2-2075	ADHERE TO THE PLCM WEBSITE AS DETAILED IN THE LANE CLOSURE DISINCENTIVE NOTE IN THESE PLANS. PERFORM ALL WORK REQUIRING LANE RESTRICTIONS ON S.R. 2 UNDER SHOULDER AND/OR LANE CLOSURES BY USE OF PORTABLE BARRIER. LANE CLOSURE OR RESTRICTION ON TR 121, HURON-AVERY ROAD, S.R. 13, AND BERLIN RD MAY BE PERFORMED USING FLAGGING AS APPROVED BY THE ENGINEER.
ERI-6-1507	PERFORM ALL WORK UNDER SIGNALIZED SINGLE LANE CLOSURE BY USE OF DRUMS.

ALL STRUCTURES: MAINTAIN A MINIMUM OF ONE 11' LANE IN EACH DIRECTION AT ALL TIMES, EXCEPT FOR TIMES CONSUMMATE WITH THE WORK BEING PERFORMED WHEN ONE 11' LANE OF TWO-WAY TRAFFIC IS PERMITTED BY THE USE OF FLAGGERS, UNLESS OTHERWISE DETAILED IN THIS NOTE.

SUBMIT, IN WRITING, A SCHEDULE OF OPERATIONS TO THE ENGINEER AND RECEIVE APPROVAL BEFORE WORK IS STARTED ON THE PROJECT. PRIOR TO BEGINNING WORK, COORDINATE THE MAINTENANCE OF TRAFFIC OPERATIONS WITH THE LOCAL STATE HIGHWAY PATROL. ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES CURRENT EDITION WITH THE LATEST REVISIONS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

ITEM 614 – MAINTAINING TRAFFIC (LANES OPEN DURING HOLIDAYS OR SPECIAL EVENTS)

NO WORK SHALL BE PERFORMED, AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

CHRISTMAS	FOURTH OF JULY	NEW YEARS DAY
NEW YEARS DAY	MEMORIAL DAY	THANKSGIVING

IN ADDITION TO THE ABOVE, ALL LANES SHALL BE OPEN AND NO WORK SHALL BE PERFORMED AT ERI-6-1657 FROM 08 TO 10 JULY 2022, AND FROM 05 TO 07 AUGUST 2022, FOR HURON RIVERFEST AND FABENS PARK COMMUNITY EVENT, RESPECTIVELY. CONTACT FOR THESE EVENTS IS DOUG STEINWARD AT 419-433-5000 x1070.

THE PERIOD OF TIME THAT LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY OR EVENT	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY
THANKSGIVING	6:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT LISTED IN THE BELOW TABLE THAT THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

STRUCTURE	DISINCENTIVE	STRUCTURE	DISINCENTIVE
ERI-2-1245 ERI-2-1406	\$105 PER MINUTE	ERI-6-1507	\$165 PER MINUTE
ERI-4-0841 ERI-2-0927 ERI-6-1657	\$125 PER MINUTE	ERI-2-1773 ERI-13-0650 ERI-2-2075	\$135 PER MINUTE

ITEM 614 – MAINTAINING TRAFFIC (LANE CLOSURE/REDUCTION REQUIRED)

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

ITEM 614 – MAINTAINING TRAFFIC (SIGNS AND BARRICADES)

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN SIGNS AND SIGN SUPPORTS, AS DETAILED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND TYPE III BARRICADES OF THE TYPE AND LOCATION AS PER THE ENGINEER.

LANE CLOSURE DISINCENTIVE

A LANE CLOSURE IS DEFINED AS ANY RESTRICTION OF A LANE OF TRAFFIC INCLUDING, BUT NOT LIMITED TO, SET UP AND TEAR DOWN OF TRAFFIC CONTROL ZONES. THE CONTRACTOR WILL BE ASSESSED A DISINCENTIVE FEE IN THE AMOUNT LISTED IN THE BELOW TABLE THAT LANES ARE CLOSED TOR TRAFFIC DURING TIMES DESIGNATED AS "LANE CLOSURE NOT PERMITTED" AS STATED IN THESE PLANS AND ON THE ODOT PLCM WEB SITE AT <http://plcm.dot.state.oh.us>.

STRUCTURE	DISINCENTIVE
ERI-2-1245 ERI-2-1406	\$105 PER MINUTE
ERI-4-0841 ERI-2-0927 ERI-6-1657	\$125 PER MINUTE
ERI-2-1773 ERI-13-0650 ERI-2-2075	\$135 PER MINUTE

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION TIME TABLE

ITEM	DURATION OF CLOSURE	NOTICE DUE TO PERMITS AND PIO*
RAMP AND/OR ROAD CLOSURES	2 WEEKS OR GREATER	21 CALENDAR DAYS
	12 HOURS TO 2 WEEKS	14 CALENDAR DAYS
	12 HOURS OR LESS	4 BUSINESS DAYS
LANE CLOSURES AND RESTRICTIONS	2 WEEKS OR GREATER	14 CALENDAR DAYS
	LESS THAN 2 WEEKS	5 BUSINESS DAYS
START OF CONSTRUCTION AND TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS

* - PRIOR TO CLOSURE DATE, UNLESS NOTED OTHERWISE

ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

INTERIM COMPLETION DATE

ALL WORK ON ERI-6-1507 SHALL BE COMPLETE, AND TRAFFIC UNIMPEDED, NO LATER THAN 23 MAY 2022. THIS SHALL BE CONSIDERED AN INTERIM COMPLETION DATE. ANY WORK-RELATED RESTRICTION OF TRAFFIC AT THE LOCATION BEYOND THIS INTERIM COMPLETION DATE WILL RESULT IN THE CONTRACTOR BEING ASSESSED A DISINCENTIVE FEE AS OUTLINED IN THE LANE CLOSURE DISINCENTIVE NOTE IN THE PLANS.

ITEM 622 – PORTABLE BARRIER, UNANCHORED

THE QUANTITIES OF ITEM 622 – PARTABLE CONCRETE BARRIER, 32" INCLUDED IN THE MAINTENANCE OF TRAFFIC QUANTITY TABLE ARE FOR MAINTENANCE OF TRAFFIC AT LANE CLOSURES ON S.R. 2 IN ACCORDANCE WITH THE STANDARD CONSTRUCTION DRAWINGS.

WORK ZONE MARKINGS

PLACE WORK ZONE MARKINGS IN ACCORDANCE WITH THE STANDARD DRAWINGS. ON COMPLETION OF WORK, RESTORE MARKINGS AND RPMs TO THEIR ORIGINAL TYPE, PATTERN, AND LOCATION. THE CONTRACTOR IS RESPONSIBLE TO LOG ALL COVERED OR REMOVED MARKINGS TO ENSURE CORRECT REPLACEMENT OR RESTORATION.

MAINTENANCE OF TRAFFIC QUANTITY TABLE

THE ESTIMATED QUANTITIES IN THE TABLE BELOW ARE PROVIDED FOR THE VARIOUS WORK ZONES THROUGHOUT THE PROJECT AND CARRIED TO THE GENERAL SUMMARY. ANY ASSOCIATED ITEMS OR WORK REQUIRED BY THE STANDARD CONSTRUCTION DRAWINGS, BUT NOT SEPERATELY ITEMIZED, SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC.


WORK LOCATION	614					622	642	643		644	
	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	WORK ZONE STOP LINE, CLASS III, 642 PAINT	WORK ZONE DOTTED LINE, CLASS III, 6" 642 PAINT	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	WORK ZONE EDGE LINE, CLASS III, 6" 642 PAINT	PORTABLE BARRIER, UNANCHORED	LANE LINE, 6", TYPE 1	CENTER LINE	EDGE LINE, 6"	LANE LINE, 6"	
											EACH
ERI-4-0841	8		3360		0.82	2920	0.32				0.32
ERI-2-0927	8		3360		0.82	2920	0.32				0.32
ERI-2-1245	8		3360		0.82	2920	0.32				0.32
ERI-2-1406	8		3360		0.82	2920	0.32				0.32
ERI-6-1507		48		0.38	0.38			0.38	0.38		
ERI-6-1657	8		4200		1.02	3650	0.40				0.40
ERI-2-1773	8		3360		0.82	2920	0.32				0.32
ERI-13-0650	8		3360		0.82	2920	0.32				0.32
ERI-2-2075	8		3360		0.82	2920	0.32				0.32
TOTALS:	64	48	27720	0.38	7.14	24090	2.64	0.38	0.38	2.64	

MAINTENANCE OF TRAFFIC

D03-BP-ERI-PAINT

MODEL: MAINTENANCE OF TRAFFIC 1 PAPER SIZE: 17x11 (in.) DATE: 11/11/2021 TIME: 4:51:23 PM USER: jdark8 pvc:\ohiodot-pw-bentley.com\shahid-pw-02\Documents\01 Active Projects\District 03\Eri\105584\400-Engineering\Roadway\Sheets\105584_MN001.dgn

DESIGN AGENCY
DISTRICT 3



ENGINEERING TEAM FOUR

DESIGNER
JNC


REVIEWER
KCK 07-29-21

PROJECT ID
105584

SHEET TOTAL
4 | 25

SHEET NUM.												PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
3	4	5	9	11	13	16	19	20	21	23	24	01/NFP/BR	EXT	TOTAL				
ROADWAY																		
LS												LS	201	11000	LS		CLEARING AND GRUBBING	
EROSION CONTROL																		
												5,000	832	30000	5,000	EACH	EROSION CONTROL	
STRUCTURE REPAIR (ERI-4-0841 / 2201356)																		
			LS									LS	202	11201	LS		PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (END CROSSFRAME COMPONENT)	8
			114									114	513	10201	114	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN (END CROSSFRAME)	8
			31,955									31,955	514	00050	31,955	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL	
			31,955									31,955	514	00056	31,955	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT	
			31,955									31,955	514	00060	31,955	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT	
			31,955									31,955	514	00067	31,955	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN	8
			48									48	514	00504	48	MNHR	GRINDING FINIS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL	
			43									43	514	10000	43	EACH	FINAL INSPECTION REPAIR	
			126									126	516	31000	126	FT	JOINT SEALER	
			13									13	516	45305	13	EACH	REFURBISH BEARING DEVICE, AS PER PLAN	8
			LS									LS	516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	8
			84									84	519	11100	84	SF	PATCHING CONCRETE STRUCTURE	
STRUCTURE REPAIR (ERI-2-0927 / 2200724)																		
			LS									LS	202	11201	LS		PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (BEARING DEVICE)	8
			LS									LS	202	11201	LS		PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (END CROSSFRAME COMPONENT)	8
			LS									LS	202	11201	LS		PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (SCUPPER DOWNSPOUT PORTION)	8
			503									503	513	10201	503	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN (END CROSSFRAME)	8
			16,187									16,187	514	00050	16,187	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL	
			16,187									16,187	514	00056	16,187	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT	
			16,187									16,187	514	00060	16,187	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT	
			16,187									16,187	514	00067	16,187	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN	8
			24									24	514	00504	24	MNHR	GRINDING FINIS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL	
			24									24	514	10000	24	EACH	FINAL INSPECTION REPAIR	
			10									10	516	46201	10	EACH	BEARING DEVICE, ROCKER, AS PER PLAN	8
			LS									LS	516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	8
			16									16	518	12901	16	EACH	SCUPPER, LENGTHENING, AS PER PLAN	8
			54									54	519	11100	54	SF	PATCHING CONCRETE STRUCTURE	
STRUCTURE REPAIR (ERI-2-1245 / 2200996)																		
					96							96	202	98200	96	FT	REMOVAL MISC.: JOINT SEALER	8
					24							24	512	10600	24	FT	CONCRETE REPAIR BY EPOXY INJECTION	
					12,825							12,825	514	00050	12,825	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL	
					12,825							12,825	514	00056	12,825	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT	
					12,825							12,825	514	00060	12,825	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT	
					12,825							12,825	514	00067	12,825	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN	8
					19							19	514	00504	19	MNHR	GRINDING FINIS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL	
					19							19	514	10000	19	EACH	FINAL INSPECTION REPAIR	
					96							96	516	31000	96	FT	JOINT SEALER	
					8							8	516	45305	8	EACH	REFURBISH BEARING DEVICE, AS PER PLAN	8
					LS							LS	516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	8
					20							20	518	12901	20	EACH	SCUPPER, LENGTHENING, AS PER PLAN	8
					8							8	519	11100	8	SF	PATCHING CONCRETE STRUCTURE	
					2							2	519	12300	2	SY	PATCHING CONCRETE BRIDGE DECK - TYPE B	
STRUCTURE REPAIR (ERI-2-1406 / 2201054)																		
					LS							LS	202	11201	LS		PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (END CROSSFRAME COMPONENT)	8
					71							71	513	10201	71	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN (END CROSSFRAME)	8
					12,825							12,825	514	00050	12,825	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL	
					12,825							12,825	514	00056	12,825	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT	
					12,825							12,825	514	00060	12,825	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT	
					12,825							12,825	514	00067	12,825	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN	8
					19							19	514	00504	19	MNHR	GRINDING FINIS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL	
					19							19	514	10000	19	EACH	FINAL INSPECTION REPAIR	
					20							20	518	12901	20	EACH	SCUPPER, LENGTHENING, AS PER PLAN	8
					9							9	519	11100	9	SF	PATCHING CONCRETE STRUCTURE	

DESIGN AGENCY
DISTRICT 3



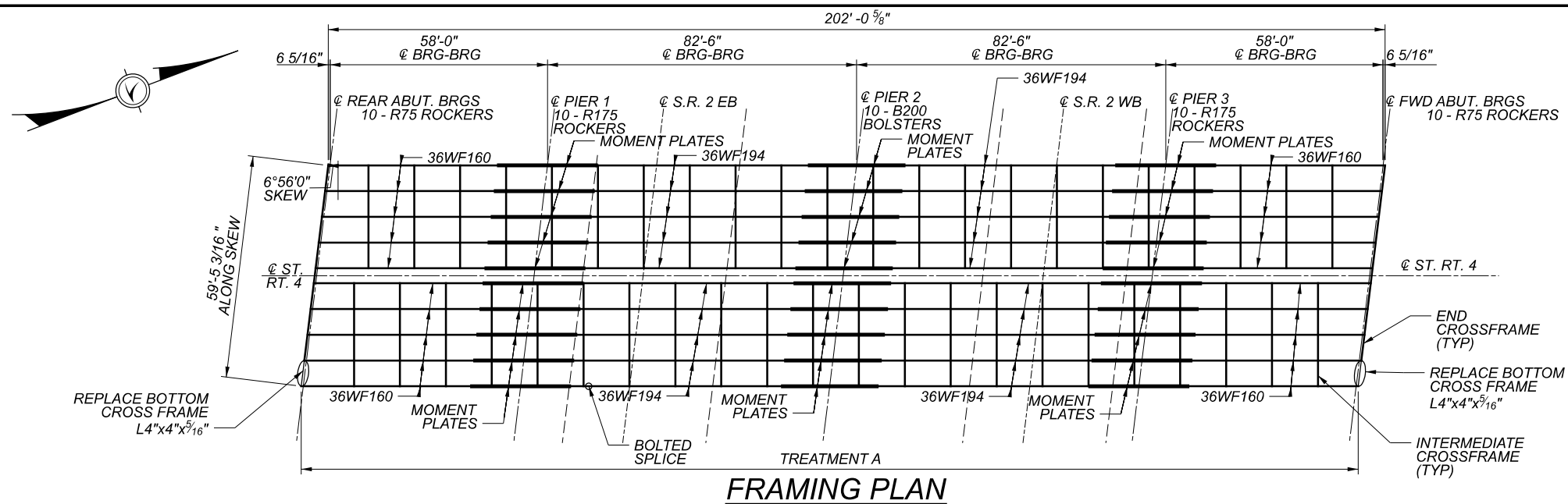
ENGINEERING TEAM FOUR

DESIGNER
JNC

REVIEWER
KCK 07-29-21

PROJECT ID
105584

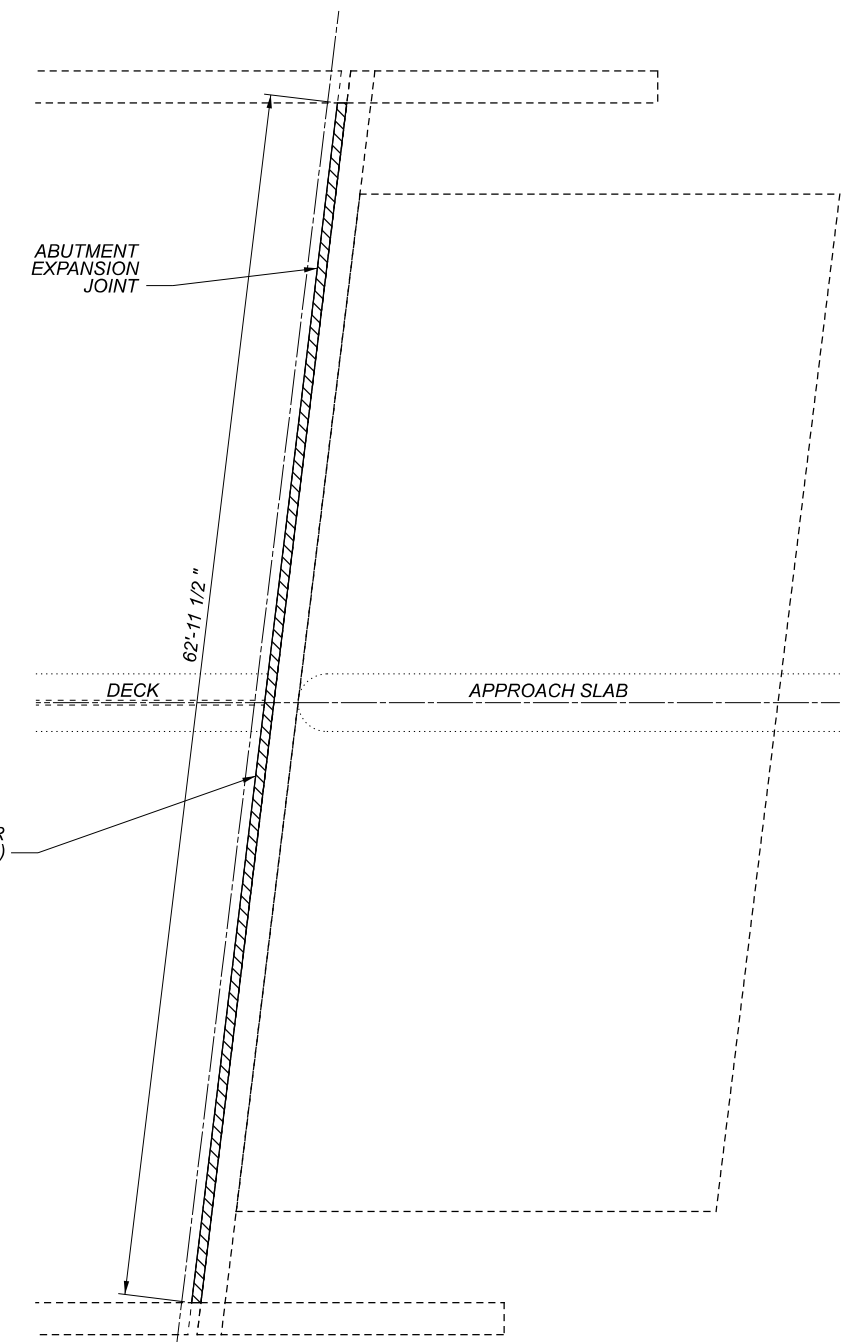
SHEET TOTAL
6 25



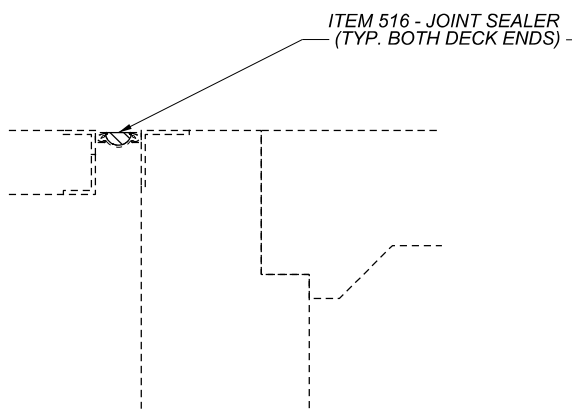
ESTIMATED QUANTITIES

ITEM	QUANTITY	UNIT	DESCRIPTION
202	LUMP	LS	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (END CROSSFRAME COMPONENT)
513	114	LBS	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN (END CROSSFRAME)
514	31955	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
514	31955	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT
514	31955	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT
514	31955	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN
514	48	MNHR	GRINDING FINES, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL
514	43	EACH	FINAL INSPECTION REPAIR
516	LUMP	SUM	JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN
516	13	EACH	REFURBISHING BEARING DEVICE, AS PER PLAN
516	126	FT	JOINT SEALER
519	84	SF	PATCHING CONCRETE STRUCTURES

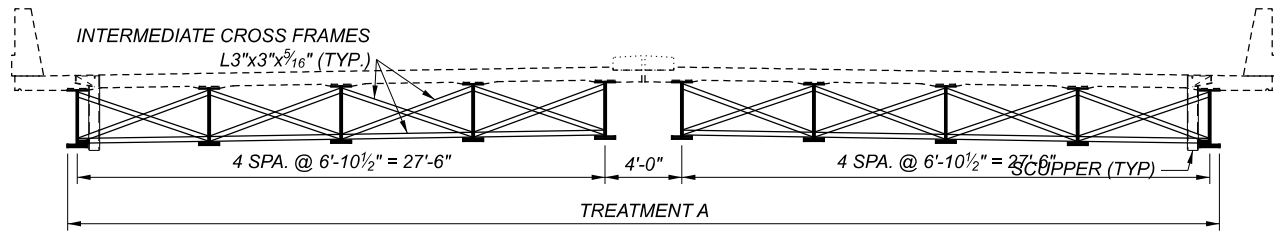
ALL QUANTITIES CARRIED TO GENERAL SUMMARY



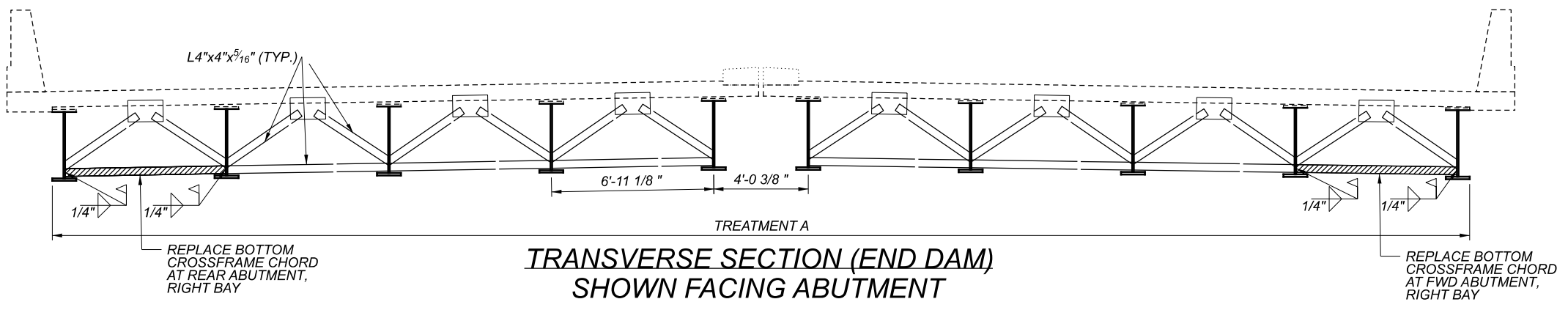
EXPANSION JOINT ELEVATION VIEW



EXPANSION JOINT PLAN VIEW



TRANSVERSE SECTION



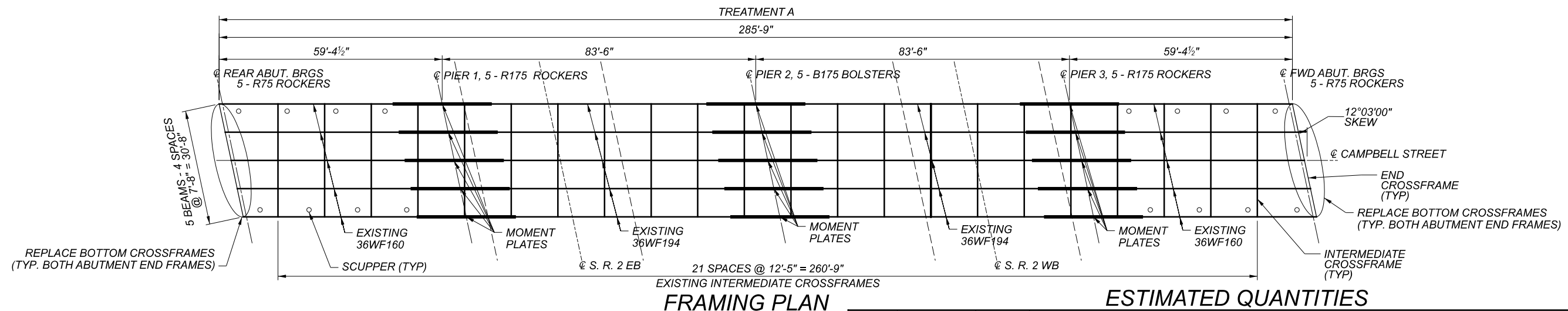
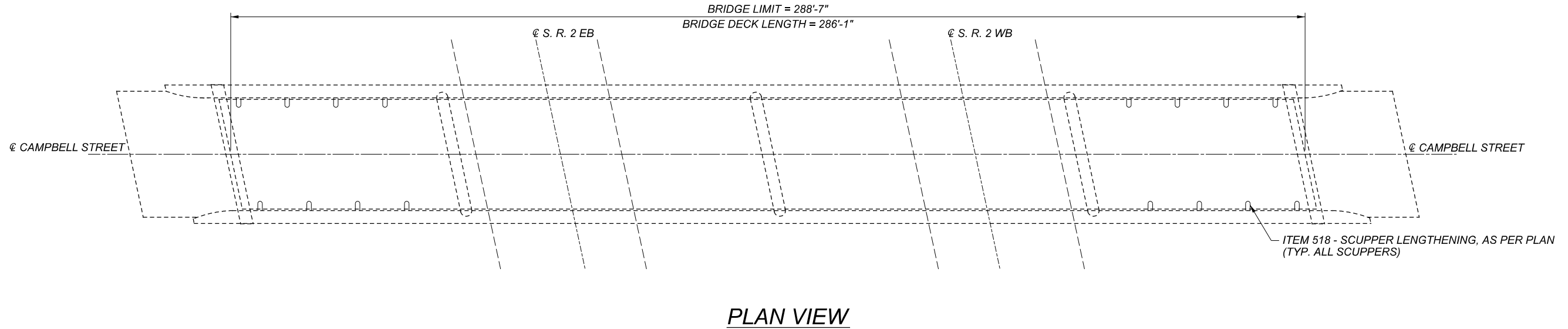
TRANSVERSE SECTION (END DAM) SHOWN FACING ABUTMENT

STRUCTURE DETAILS
ERI-4-0841
CARRIES S.R. 4 OVER S.R. 2

SFN	2201356
DESIGN AGENCY	DISTRICT 3
ENGINEERING TEAM FOUR	
DESIGNER/CHECKER	JNC KAK
REVIEWER	KCK 07-29-21
PROJECT ID	105584
SUBSET	TOTAL
1	2
SHEET	TOTAL
9	25

D03-BP-ERI-PAINT

MODEL: Sheet 1 - ERI-2-0813 PAPERSIZE: 17x11 (in.) DATE: 11/1/2021 TIME: 4:52:29 PM USER: jdark8 pwc\ohoboc-pw-bentley.com\shahidoc-pw-02\Documents\01 Active Projects\District 03\ERI-105584\400-Engineering\Structures\SFN_2201356\Sheets\105584_SFN_2201356_SG001.dgn



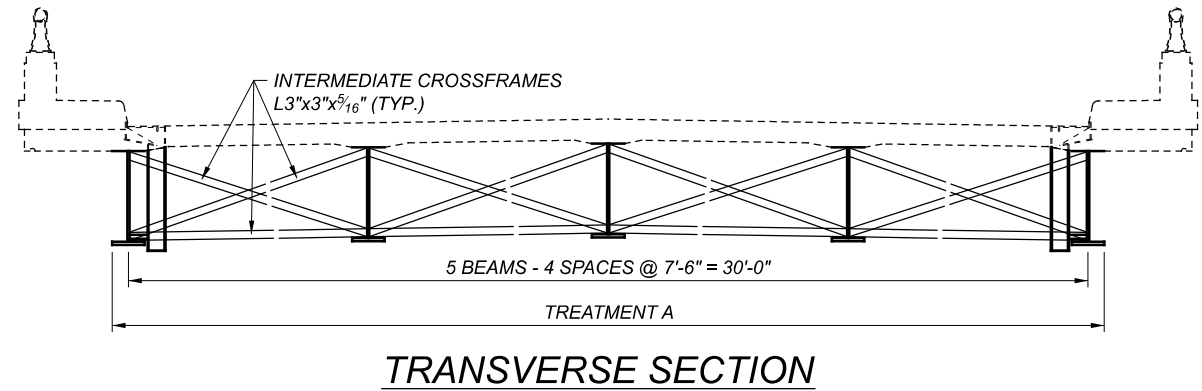
FRAMING PLAN

ESTIMATED QUANTITIES

ITEM	QUANTITY	UNIT	DESCRIPTION
202	LS	LS	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (BEARING ASSEMBLY)
202	LS	LS	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (END CROSSFRAME COMPONENT)
202	LS	LS	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (SCUPPER DOWNSPOUT PORTION)
513	503	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN (END CROSSFRAME)
514	16187	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
514	16187	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT
514	16187	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT
514	16187	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN
514	24	MNHR	GRINDING FINES, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL
514	24	EACH	FINAL INSPECTION REPAIRS
516	LUMP	SUM	JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN
516	10	EACH	BEARING DEVICE, ROCKER, AS PER PLAN
518	16	EACH	SCUPPER LENGTHENING, AS PER PLAN
519	54	SF	PATCHING CONCRETE STRUCTURE

ALL QUANTITIES CARRIED TO GENERAL SUMMARY

NOTES:
1. SEE SHEET 2/2 FOR CROSSFRAME REPAIR DETAILS



TRANSVERSE SECTION

D03-BP-ERI-PAINT

MODEL: Sheet 1 ERI-2-0927 PAPER: SIZE: 17x11 (in.) DATE: 11/11/2021 TIME: 4:52:39 PM USER: jdark8 pwc:\hobol-pw-bentley.com\shahid-pw-02\Documents\01 Active Projects\District 03\ERI-105584\100-Engineering\Structures\SFN_2200724\Sheets\SFN_2200724_SG001.dgn

STRUCTURE DETAILS
ERI-2-0927
CARRIES CAMPBELL ST OVER S.R. 2

SFN
2200724
DESIGN AGENCY
DISTRICT 3

ENGINEERING
TEAM FOUR
DESIGNER/CHECKER
JNC KAK
REVIEWER
KCK 07-29-21
PROJECT ID
105584
SUBSET TOTAL
1 2
SHEET TOTAL
11 25

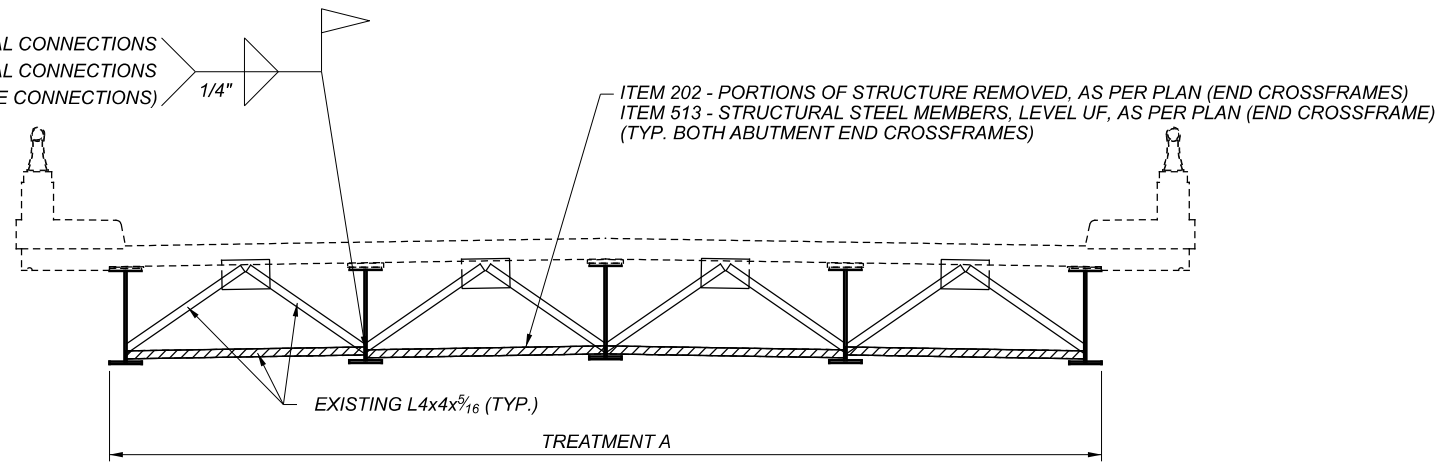
LEGEND

ITEM 519 - PATCHING CONCRETE STRUCTURE

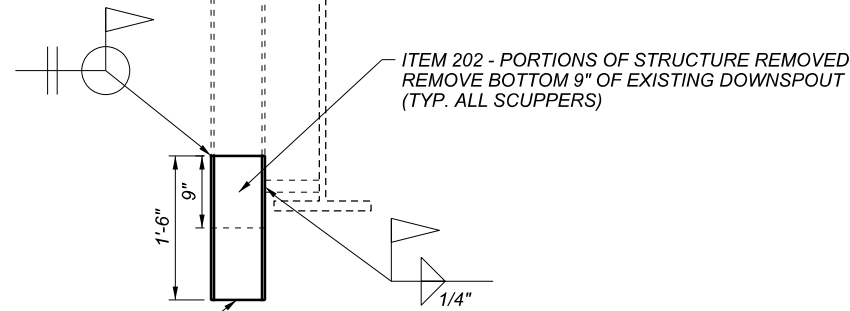
NOTES:

1. FOR ADDITIONAL END CROSSFRAMES, SCUPPERS, AND BOLTED BEAM SPLICES SEE STD. DWG. SD-1-65, SHEETS 1, 2 AND 3.

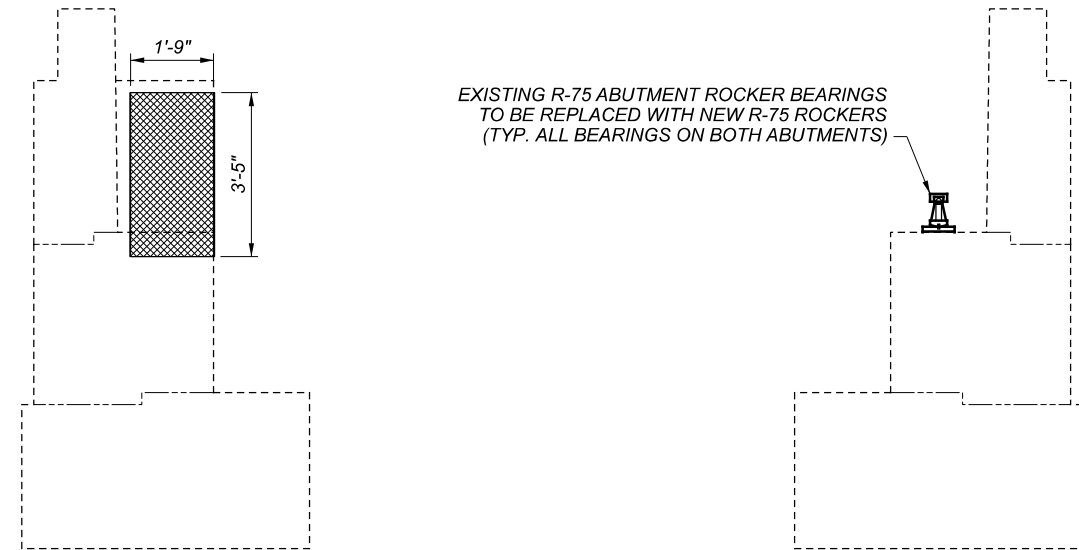
TOP OF HORIZONTAL CONNECTIONS
BOTH SIDES OF VERTICAL CONNECTIONS
(TYP. ALL CROSSFRAME CONNECTIONS)



TRANSVERSE CROSS-SECTION (END DAM)

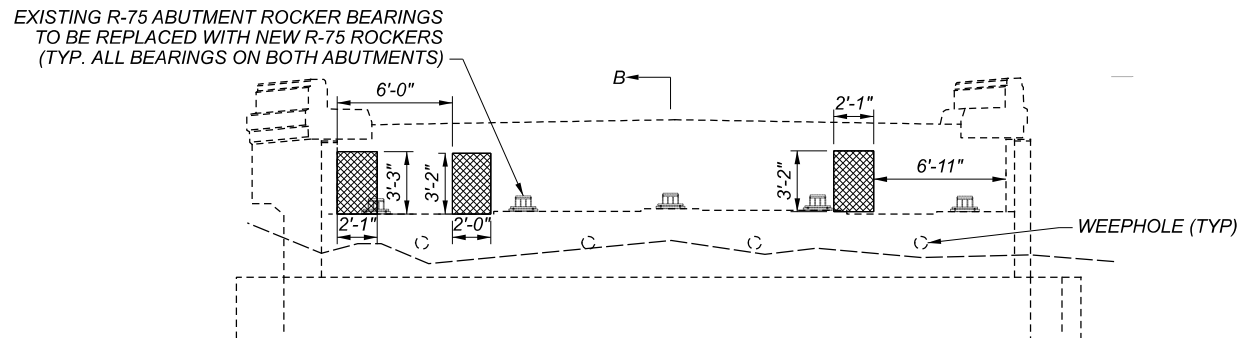


SCUPPER REPAIR DETAIL

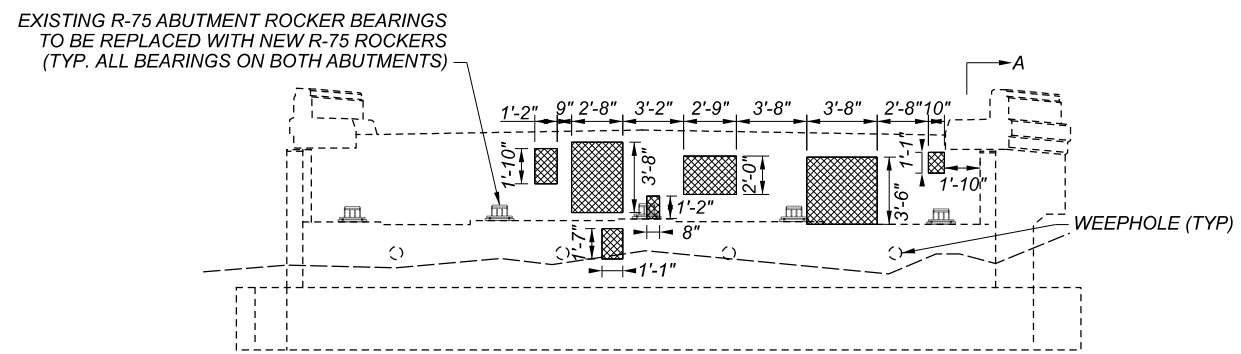


SECTION A-A

SECTION B-B



REAR ELEVATION VIEW



FORWARD ELEVATION VIEW

ESTIMATED QUANTITIES

ITEM	QUANTITY	UNIT	DESCRIPTION
202	LS	LS	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (BEARING ASSEMBLY)
202	LS	LS	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (SCUPPER DOWNSPOUT PORTION)
202	LS	LS	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (END CROSSFRAME COMPONENT)
513	503	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN (END CROSSFRAME)
514	16187	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
514	16187	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT
514	16187	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT
514	16187	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN
514	24	MNHR	GRINDING FINES, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL
514	24	EACH	FINAL INSPECTION REPAIR
516	LUMP	SUM	JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN
516	10	EACH	BEARING DEVICE, ROCKER, AS PER PLAN
518	16	EACH	SCUPPER LENGTHENING, AS PER PLAN
519	54	SF	PATCHING CONCRETE STRUCTURE

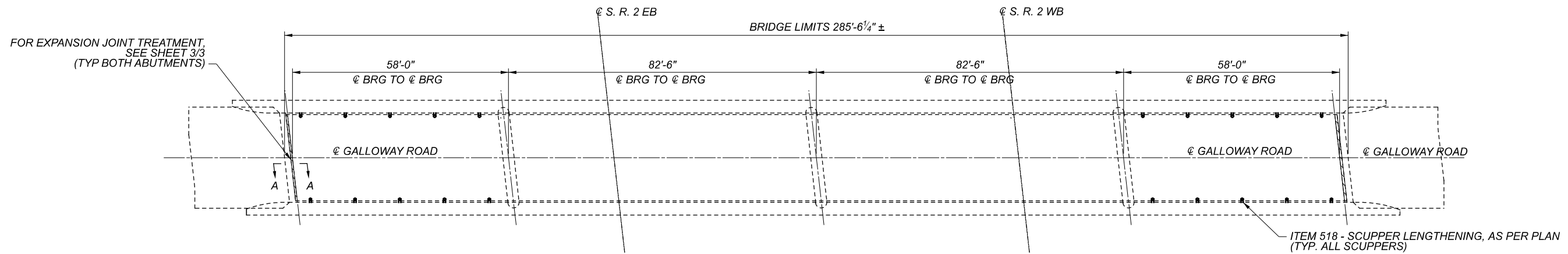
ALL QUANTITIES CARRIED TO STRUCTURE SHEET 1/2

STRUCTURE DETAILS
ERI-2-0927
CARRIES CAMPBELL ST OVER S.R. 2

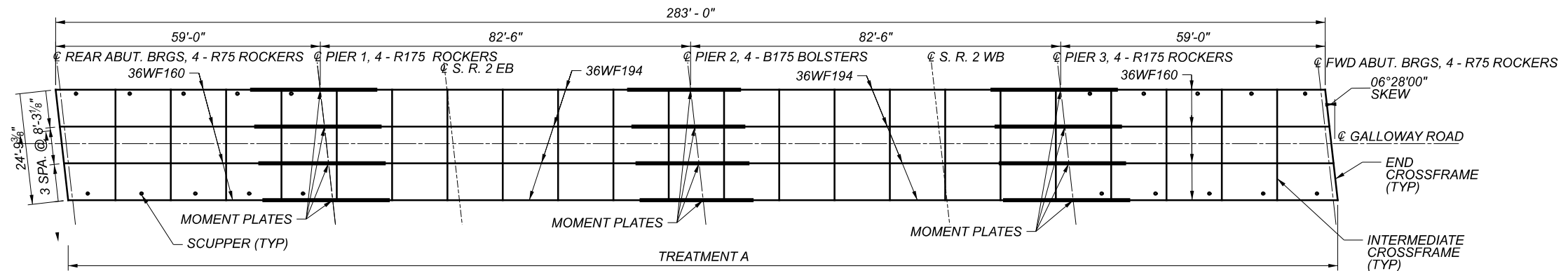
SFN 2200724
DESIGN AGENCY DISTRICT 3
ENGINEERING TEAM FOUR
DESIGNER/CHECKER JNC KAK
REVIEWER KCK 07-29-21
PROJECT ID 105584
SUBSET TOTAL 2 2
SHEET TOTAL 12 25

D03-BP-ERI-PAINT

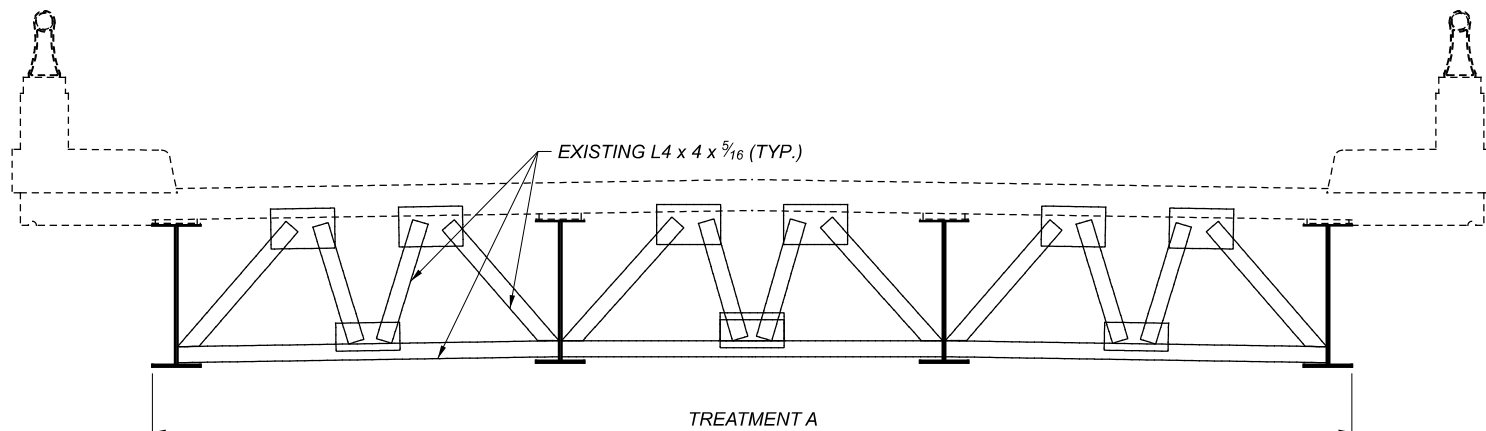
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PLAN VIEW



FRAMING PLAN

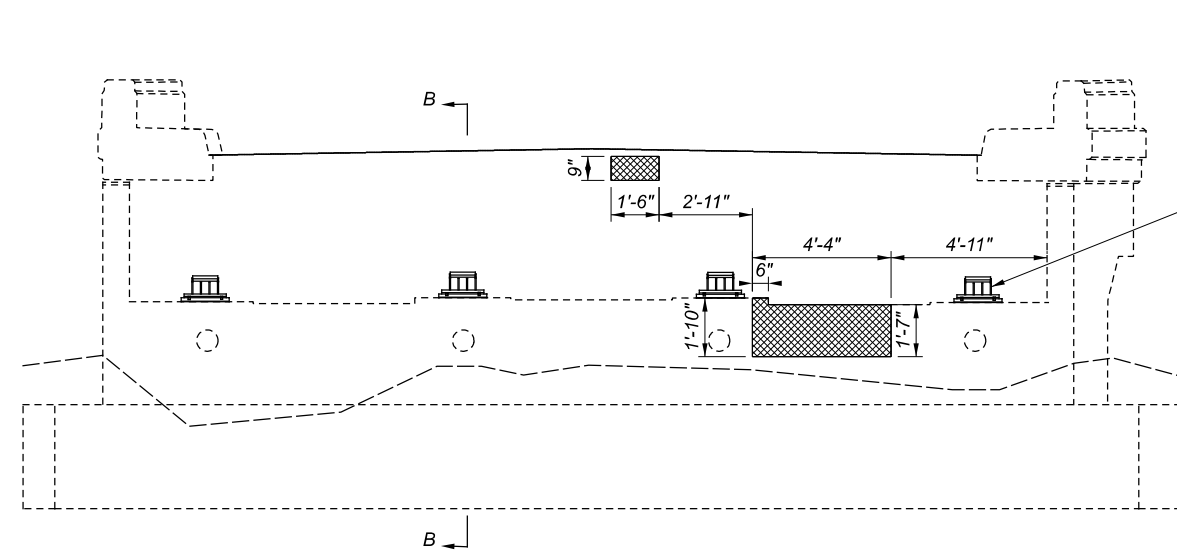


TRANSVERSE SECTION
(END DAM)

ESTIMATED QUANTITIES

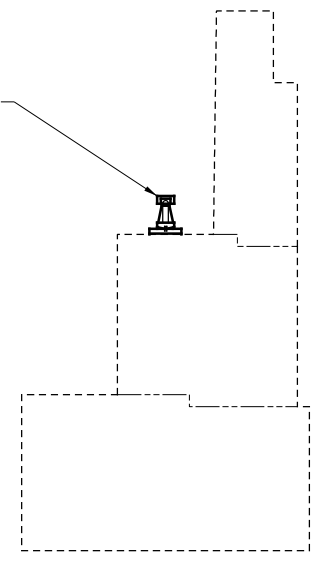
ITEM	QUANTITY	UNIT	DESCRIPTION
202	96	FT	REMOVAL MISC.: JOINT SEALER
512	24	FT	CONCRETE REPAIR BY EPOXY INJECTION, AS PER PLAN
514	12825	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
514	12825	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT
514	12825	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT
514	12825	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN
514	19	MNHR	GRINDING FINNS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL
514	19	EACH	FINAL INSPECTION REPAIR
516	LS	LS	JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN
516	8	EACH	REFURBISH BEARING DEVICE, AS PER PLAN
516	96	FT	JOINT SEALER
518	20	EACH	SCUPPER LENGTHENING, AS PER PLAN
519	8	SF	PATCHING CONCRETE STRUCTURE
519	2	SY	PATCHING CONCRETE BRIDGE DECK - TYPE B

ALL QUANTITIES CARRIED TO GENERAL SUMMARY

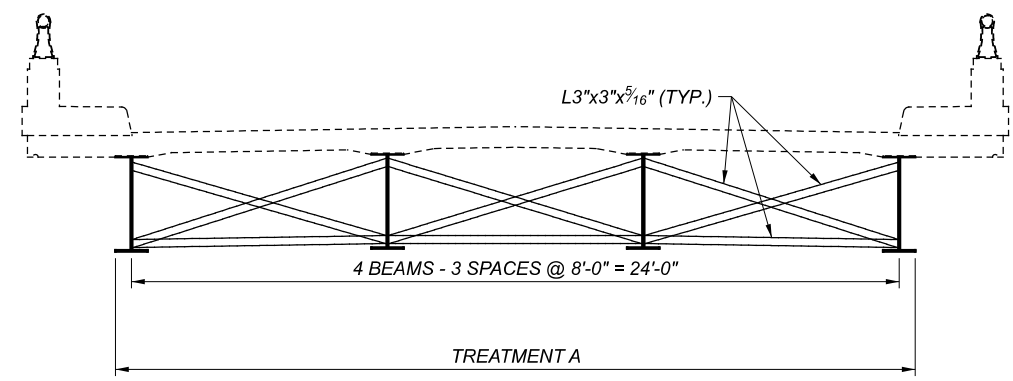


**REAR ABUTMENT
ELEVATION VIEW**

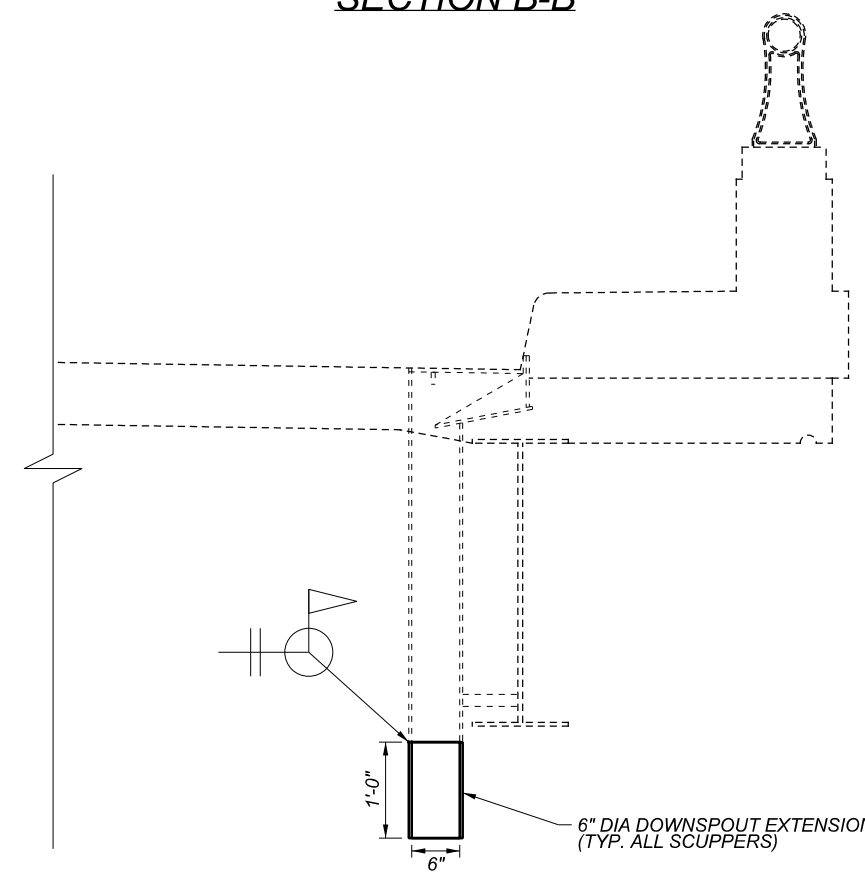
ITEM 516 - REFURBISH BEARING DEVICE, AS PER PLAN
 ITEM 516 - JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN
 (TYP. ALL BEARINGS ON BOTH ABUTMENTS)



SECTION B-B



**TRANSVERSE SECTION
SHOWN WITHOUT SCUPPER DETAILS**



**SCUPPER REPAIR DETAIL
SHOWN WITHOUT CROSSFRAMES**

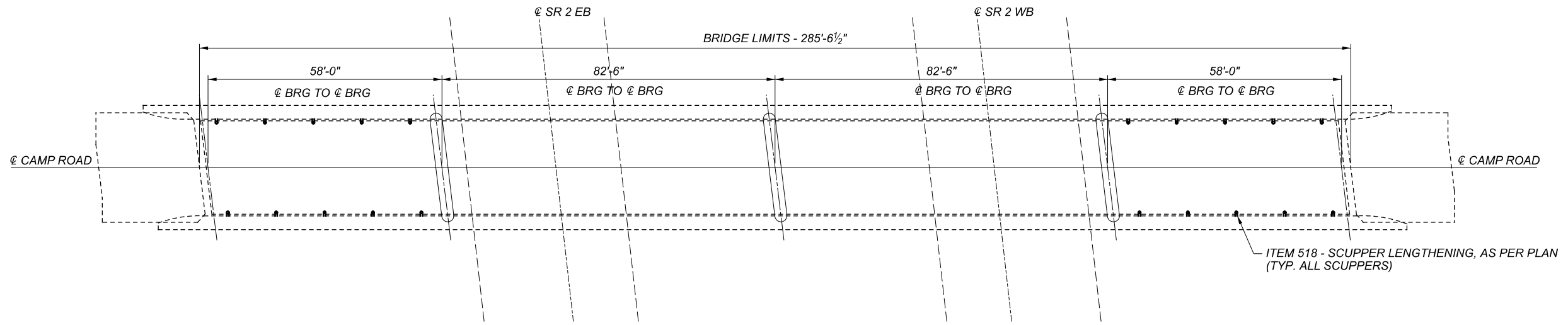
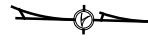
ESTIMATED QUANTITIES

ITEM	QUANTITY	UNIT	DESCRIPTION
514	12825	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
514	12825	SF	FIELD PAINTING OF EXISTING STRCUTURE STEEL, PRIME COAT
514	12825	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT
514	12825	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN
514	19	MNHR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL
514	19	EACH	FINAL INSPECTION REPAIR
516	LS	LS	JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN
516	8	EACH	REFURBISH BEARING DEVICE, AS PER PLAN
518	20	EACH	SCUPPER LENGTHENING, AS PER PLAN
519	8	SF	PATCHING CONCRETE STRUCTURE

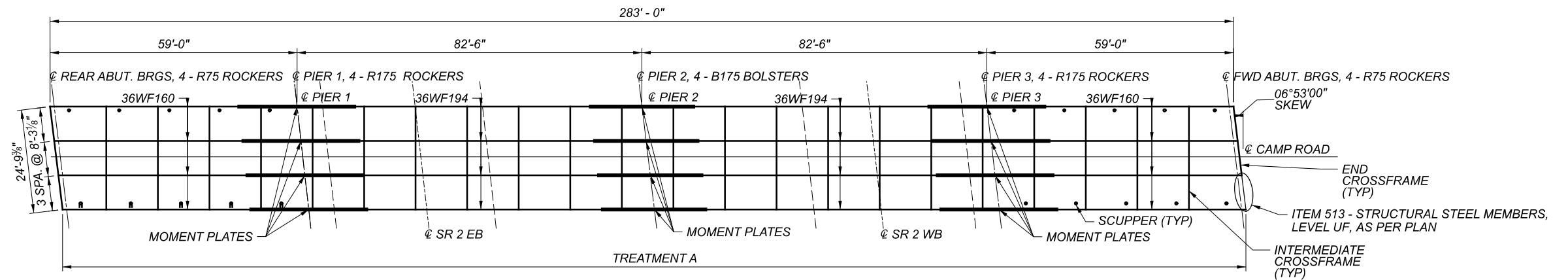
LEGEND

ITEM 519 - PATCHING CONCRETE STRUCTURE

ALL QUANTITIES CARRIED TO STRUCTURE SHEET 1/3



PLAN VIEW



FRAMING PLAN

ESTIMATED QUANTITIES

ITEM	QUANTITY	UNIT	DESCRIPTION
202	LS	LS	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (END CROSSFRAME COMPONENT)
513	71	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN (END CROSSFRAME)
514	12825	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
514	12825	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT
514	12825	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT
514	12825	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN
514	19	MNHR	GRINDING FINNS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL
514	19	EACH	FINAL INSPECTION REPAIR
518	20	EACH	SCUPPER LENGTHENING, AS PER PLAN
519	9	SF	PATCHING CONCRETE STRUCTURE

ALL QUANTITIES CARRIED TO GENERAL SUMMARY

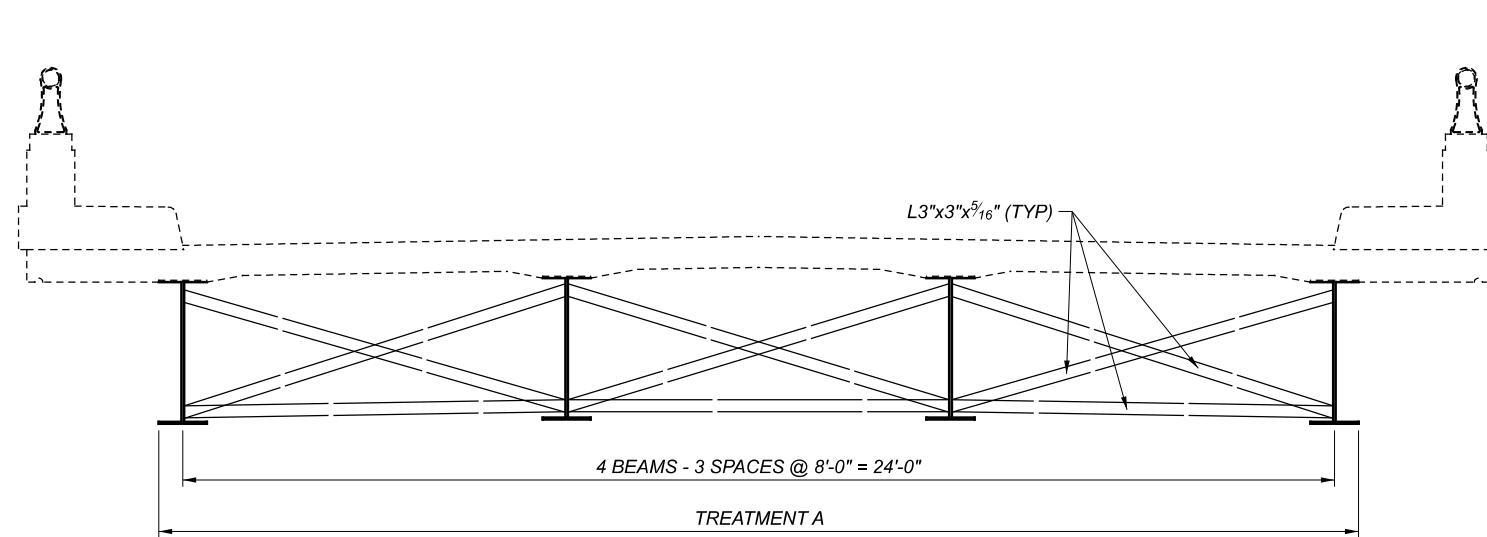
D03-BP-ERI-PAINT

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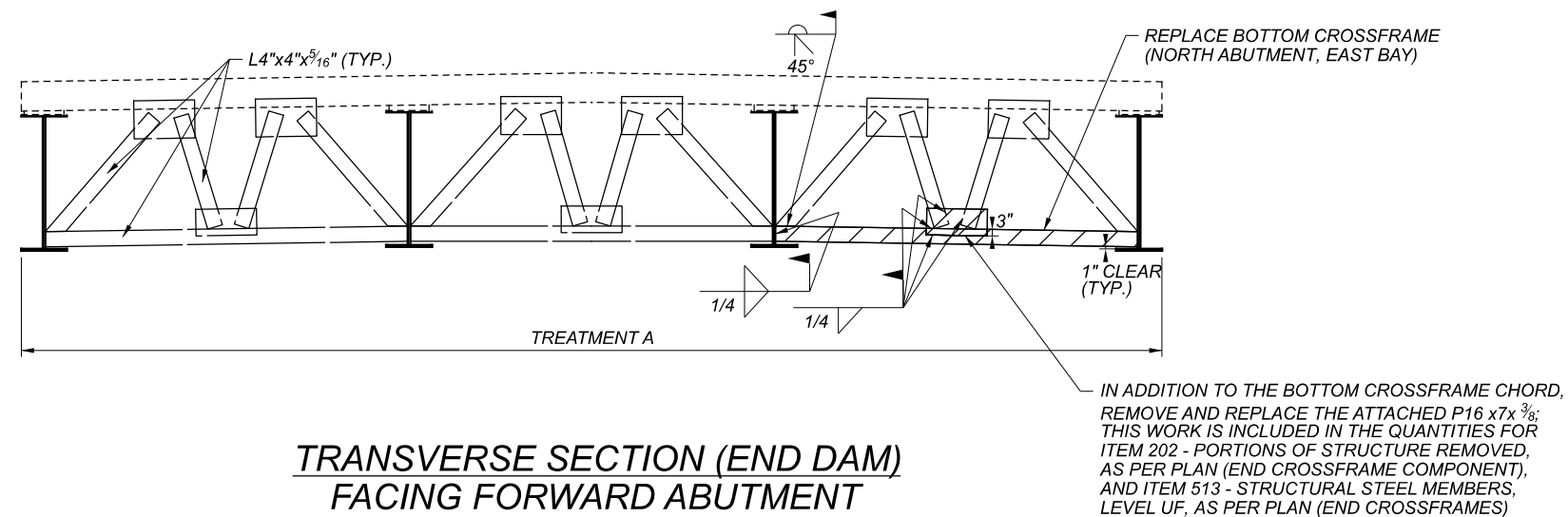
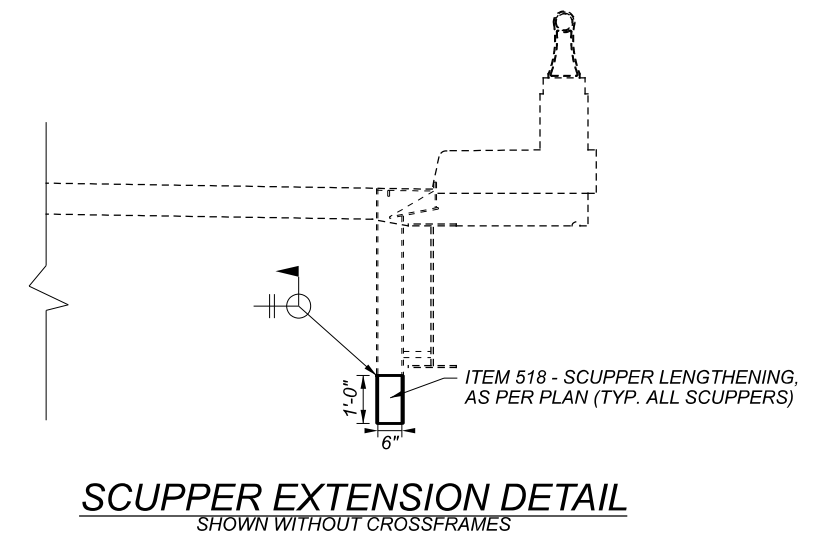
STRUCTURE DETAILS
 ERI-2-1406
 CARRIES CAMP RD OVER S.R. 2

SFN 2201054
 DESIGN AGENCY DISTRICT 3

 ENGINEERING TEAM FOUR
 DESIGNER/CHECKER JNC KAK
 REVIEWER KCK 07-29-21
 PROJECT ID 105584
 SUBSET TOTAL 1 3
 SHEET TOTAL 16 25



TRANSVERSE SECTION

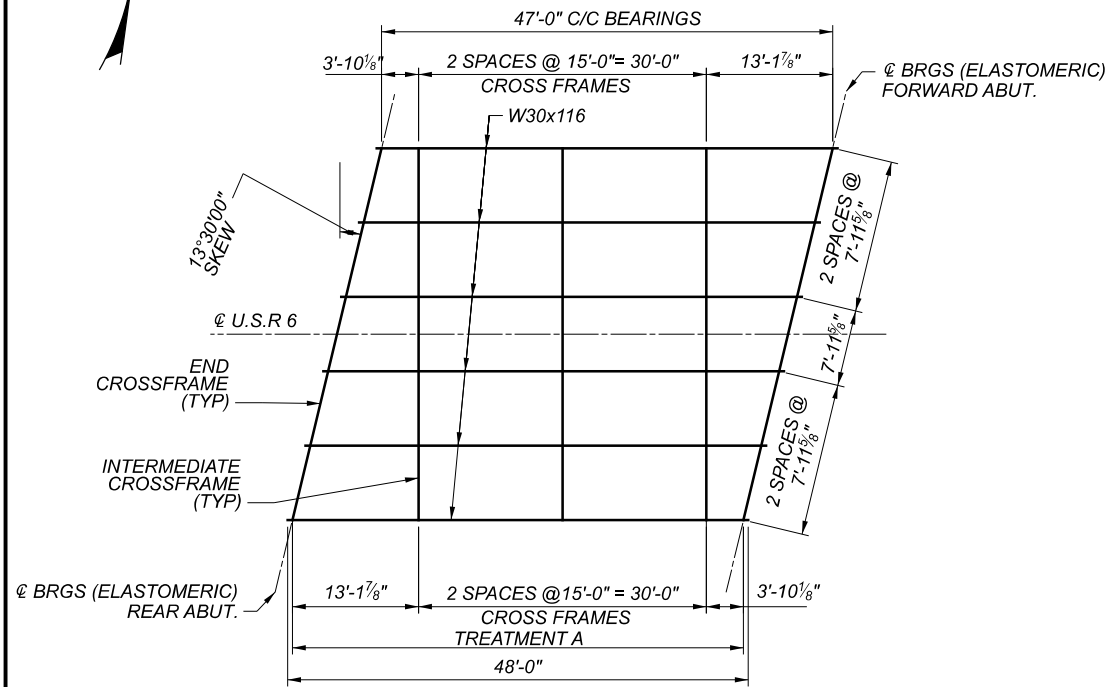


**TRANSVERSE SECTION (END DAM)
 FACING FORWARD ABUTMENT**

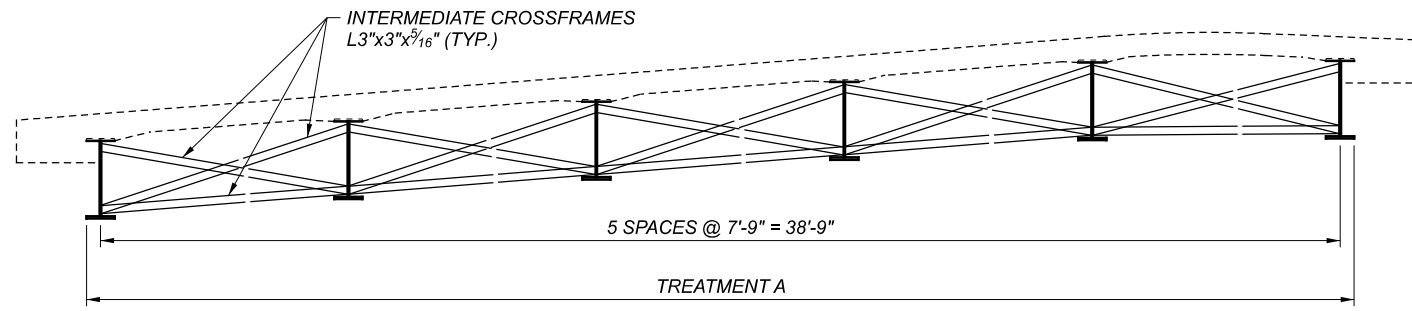
ESTIMATED QUANTITIES

ITEM	QUANTITY	UNIT	DESCRIPTION
202	LUMP	SUM	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN (END CROSSFRAME COMPONENT)
513	71	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN (END CROSSFRAME)
514	12825	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
514	12825	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT
514	12825	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT
514	12825	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN
514	19	EACH	FINAL INSPECTION REPAIR
514	19	MNHR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL
518	20	EACH	SCUPPER LENGTHENING, AS PER PLAN

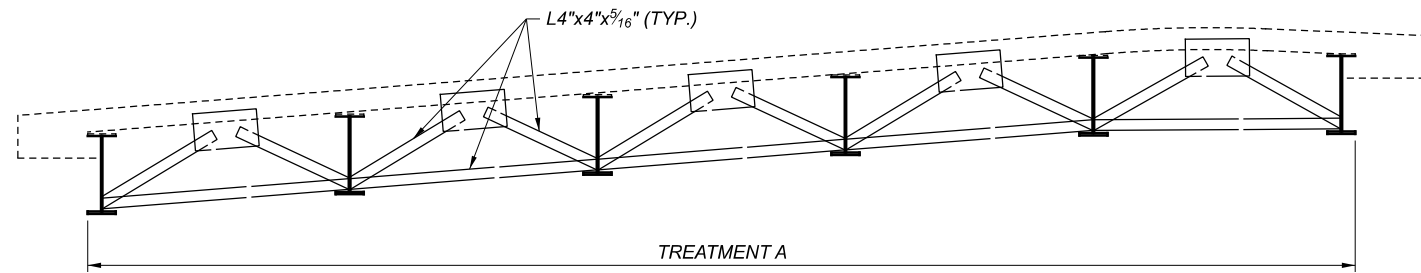
ALL QUANTITIES CARRIED TO SHEET 1/3



FRAMING PLAN



TRANSVERSE SECTION



TRANSVERSE SECTION (END DAM)

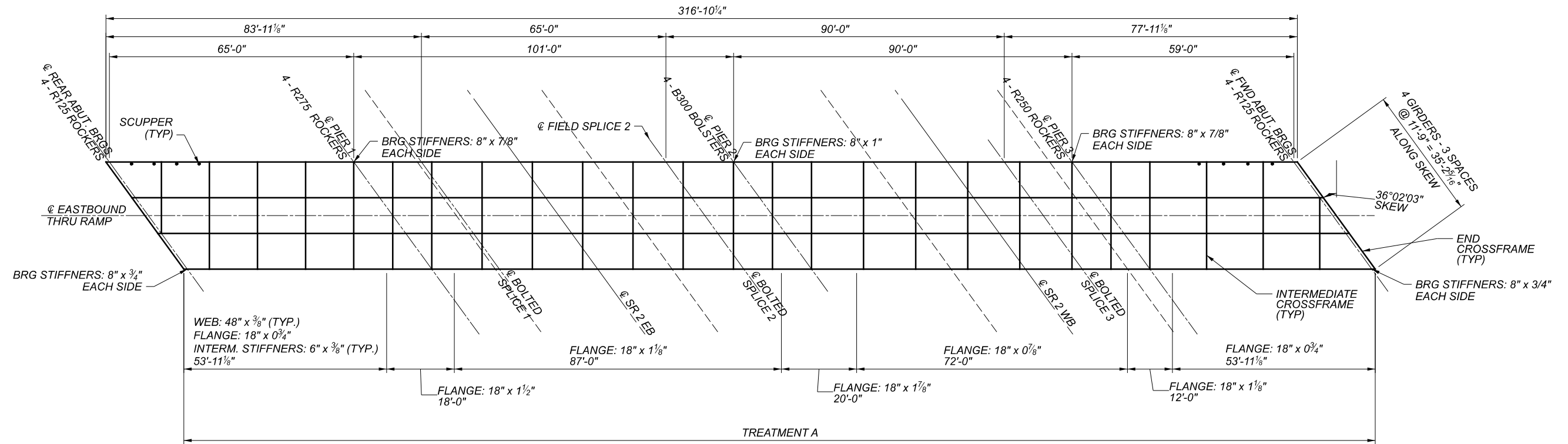
- NOTES:
1. NO WORK SHALL BE PERFORMED BELOW THE ORDINARY HIGH WATER MARK (OHWM). 1989 PLANS SPECIFY THE OHWM AT AN ELEVATION OF 575±. FOR REFERENCE, THE SAME PLANS SPECIFY THE TOP ELEVATION OF THE NORTH WINGWALL ON THE REAR ABUTMENT AT 587.20', AND THE TOP OF THE SOUTH WINGWALL OF THE REAR ABUTMENT AT 589.79'. DO NOT PERMIT DEBRIS TO ENTER THE STREAM AT ANY POINT DURING THE WORK.
 2. BRIDGE RAILINGS NOT SHOWN FOR CLARITY.

ESTIMATED QUANTITIES

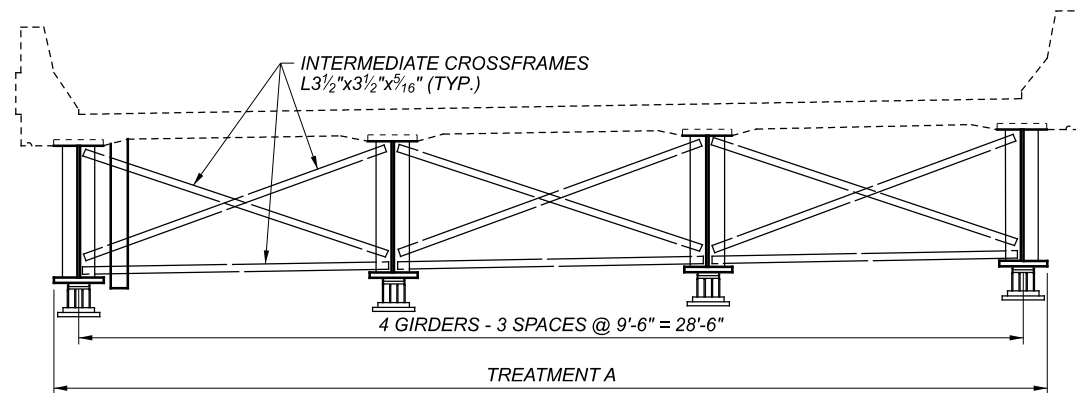
ITEM	QUANTITY	UNIT	DESCRIPTION
514	2688	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
514	2688	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT
514	2688	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT
514	2688	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN
514	6	EACH	FINAL INSPECTION REPAIR
514	5	MNHR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL

ALL QUANTITIES CARRIED TO GENERAL SUMMARY

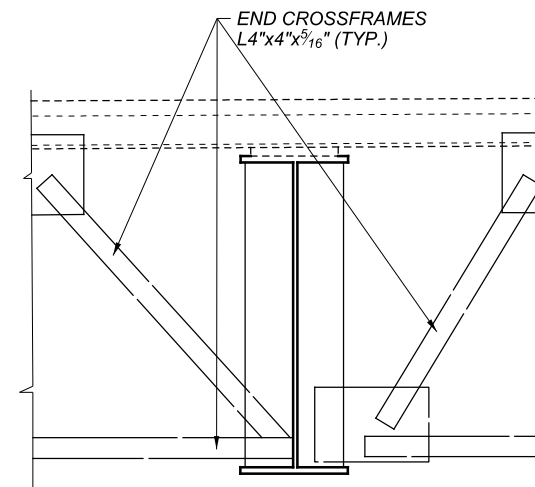




FRAMING PLAN



TRANSVERSE SECTION

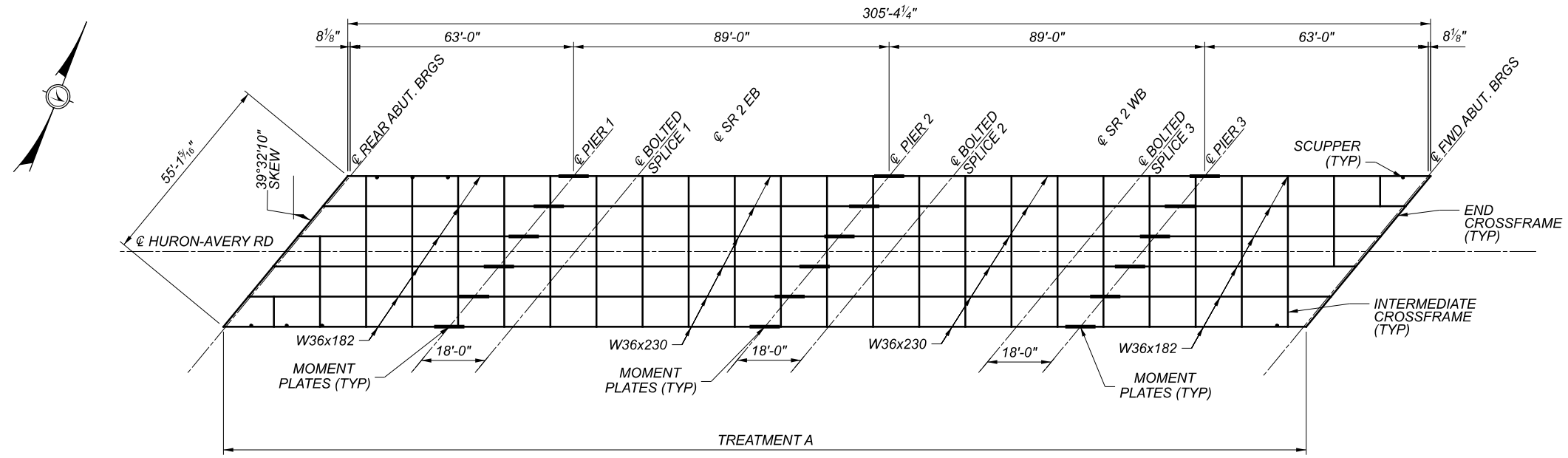


TRANSVERSE SECTION (END DAM)

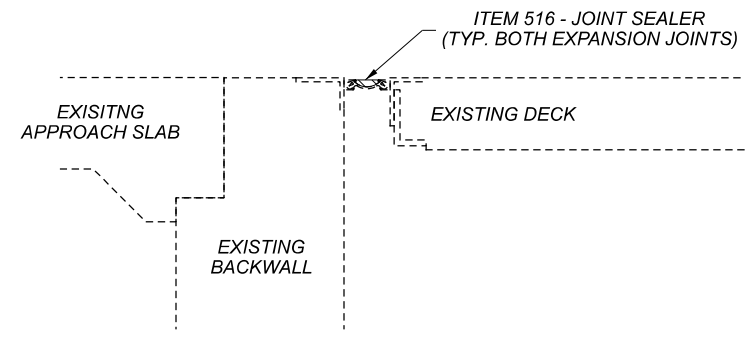
ESTIMATED QUANTITIES

ITEM	QUANTITY	UNIT	DESCRIPTION
514	21740	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
514	21740	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT
514	21740	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT
514	21740	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN
514	22	MNHR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL
514	19	EACH	FINAL INSPECTION REPAIR

ALL QUANTITIES CARRIED TO GENERAL SUMMARY



FRAMING PLAN



SECTION A-A

NOTES:
 1. SEE SHEET 2/2 FOR APPROACH SLAB, ABUTMENT, AND PARAPET CONCRETE REPAIR DETAILS.

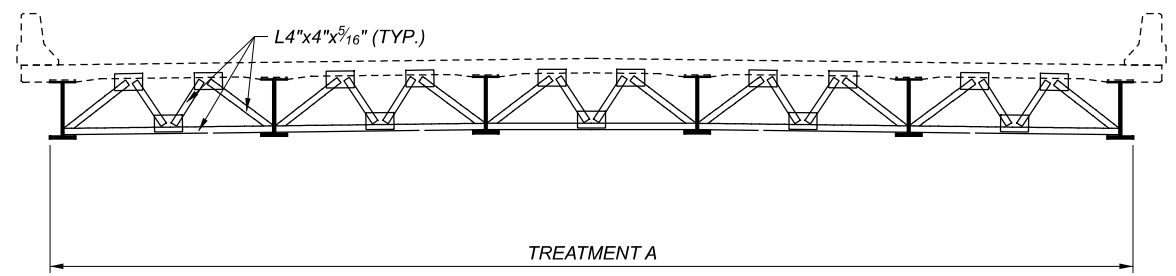
LEGEND

- ITEM 519 - PATCHING CONCRETE BRIDGE DECK - TYPE B
- ITEM 519 - PATCHING CONCRETE STRUCTURES
- ITEM 516 - JOINT SEALER

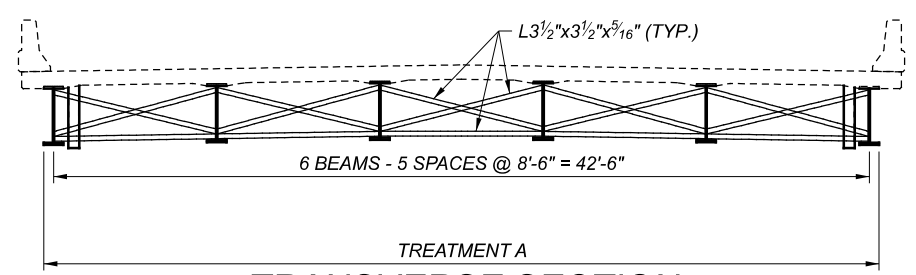
ESTIMATED QUANTITIES

ITEM	QUANTITY	UNIT	DESCRIPTION
514	21884	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
514	21884	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT
514	21884	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT
514	21884	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT
514	31	MNHR	GRINDING FINES, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL
514	31	EACH	FINAL INSPECTION REPAIR
516	120	FT	JOINT SEALER
519	2	SF	PATCHING CONCRETE STRUCTURE
519	6	SY	PATCHING CONCRETE BRIDGE DECK - TYPE B

ALL QUANTITIES CARRIED TO GENERAL SUMMARY

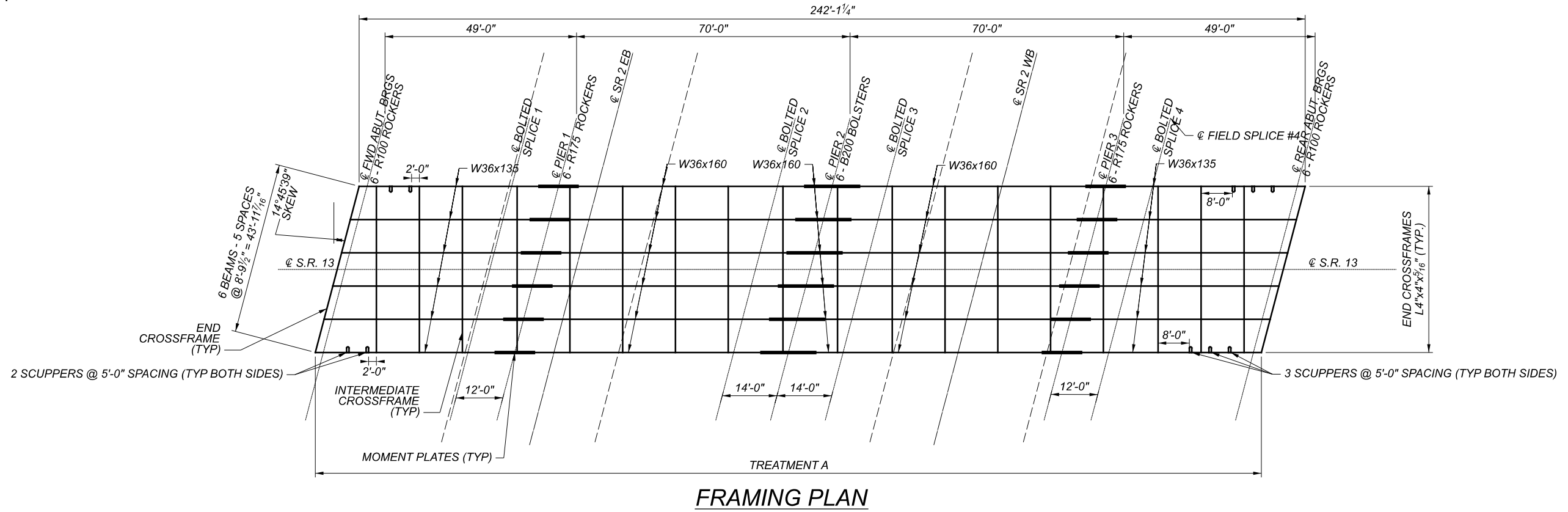


TRANSVERSE SECTION (END DAM)

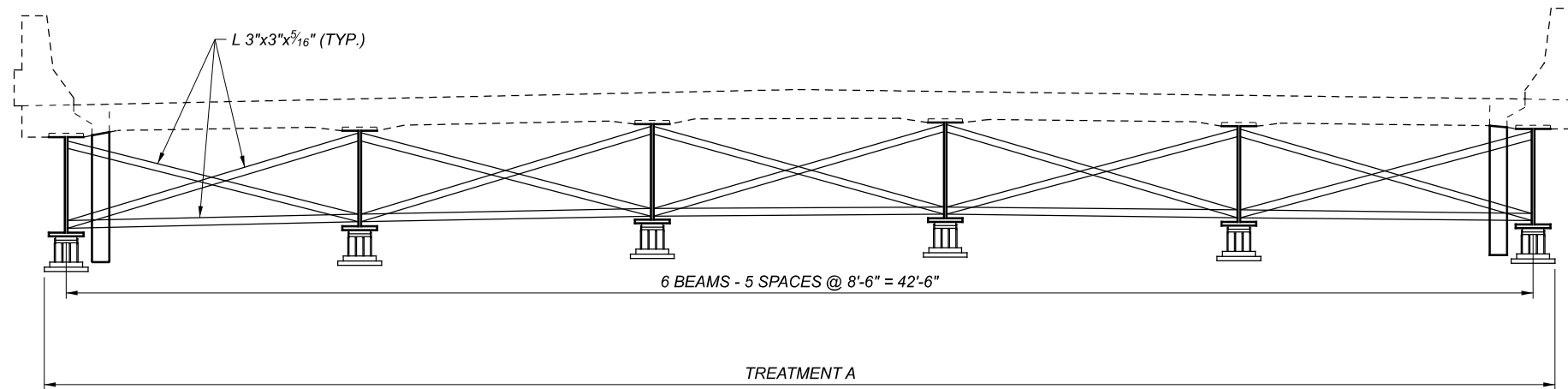


TRANSVERSE SECTION

SFN	2201224
DESIGN AGENCY	DISTRICT 3
	ENGINEERING TEAM FOUR
DESIGNER/CHECKER	JNC / KAK
REVIEWER	KCK 07-29-21
PROJECT ID	105584
SUBSET	TOTAL
1	2
SHEET	TOTAL
21	25



FRAMING PLAN



TRANSVERSE SECTION

ESTIMATED QUANTITIES


ITEM	QUANTITY	UNIT	DESCRIPTION
514	16286	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
514	16286	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT
514	16286	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT
514	16286	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN
514	24	MNHR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL
514	25	EACH	FINAL INSPECTION REPAIR

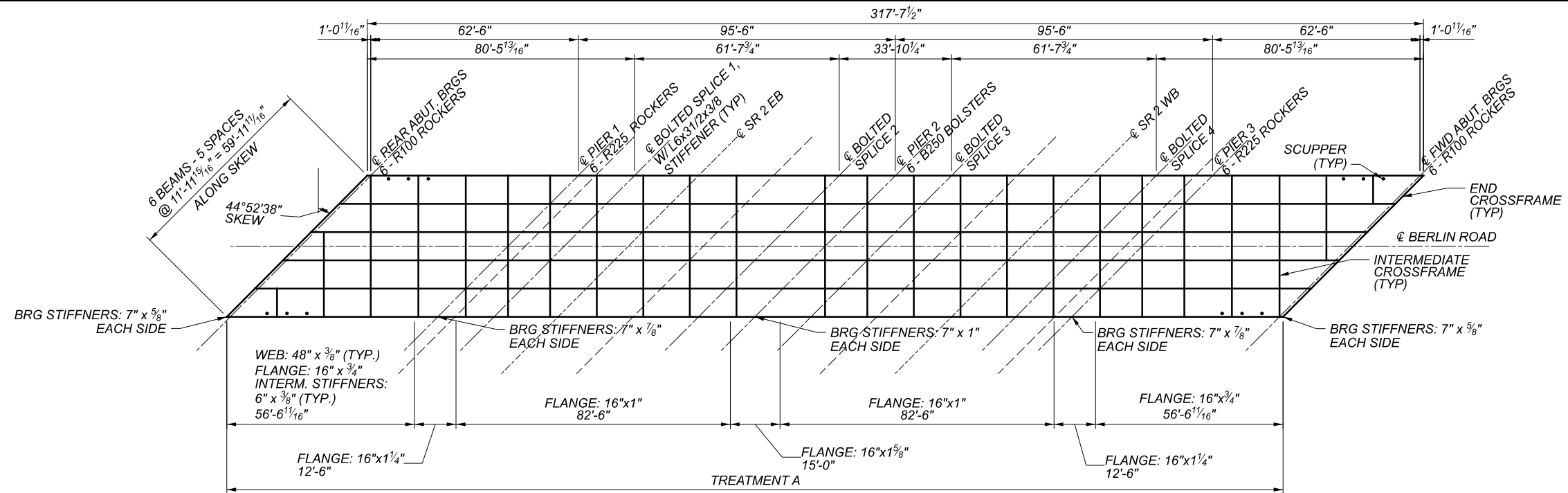
ALL QUANTITIES CARRIED TO GENERAL SUMMARY

D03-BP-ERI-PAINT

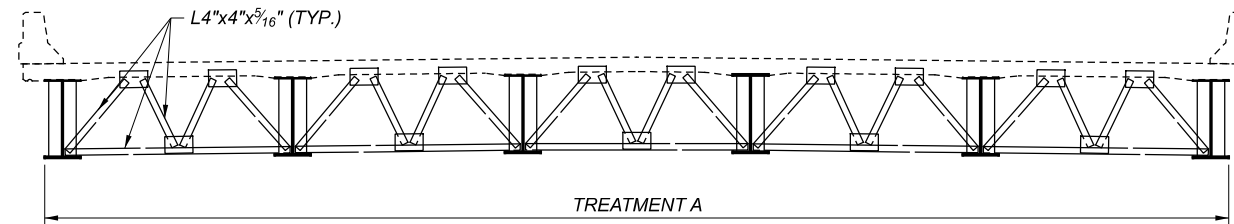
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STRUCTURE DETAILS
ERI-13-0650
CARRIES S.R. 13 OVER S.R. 2

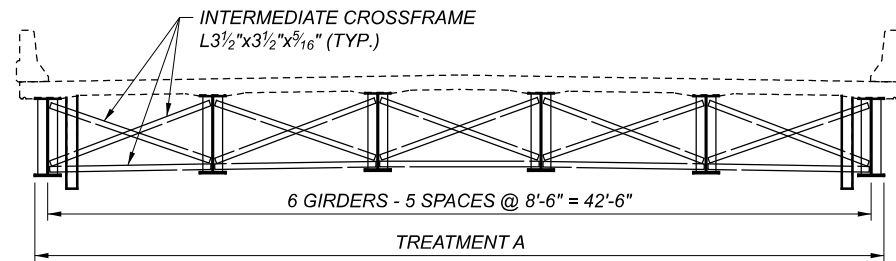
SFN
2202425
DESIGN AGENCY
DISTRICT 3

ENGINEERING
TEAM FOUR
DESIGNER/CHECKER
JNC KAK
REVIEWER
KCK 07-29-21
PROJECT ID
105584
SUBSET TOTAL
1 1
SHEET TOTAL
23 25



FRAMING VIEW



**TRANSVERSE SECTION
(END DAM)**



TRANSVERSE SECTION

ESTIMATED QUANTITIES

ITEM	QUANTITY	UNIT	DESCRIPTION
514	31992	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL
514	31992	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT
514	31992	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT
514	31992	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN
514	32	MNHR	GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL
514	27	EACH	FINAL INSPECTION REPAIR
516	246	FT	JOINT SEALER

ALL QUANTITIES CARRIED TO GENERAL SUMMARY