

ITEM 614, MAINTAINING TRAFFIC

THE CONTRACTOR SHALL CONDUCT THEIR OPERATIONS AS TO MAKE PROPOSED REPAIRS WITH A MINIMUM OF HAZARD, DELAY AND INCONVENIENCE TO THE MOTORISTS USING THE HIGHWAY AFFECTED BY THE WORK DONE UNDER THIS CONTRACT. IN ADDITION TO THE CONSTRUCTION AND MATERIAL SPECIFICATIONS, THE FOLLOWING SPECIFIC PROVISIONS ARE MANDATORY.

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 YEAR'S LABOR DAY
MEMORIAL DAY THANKSGIVING
TOTAL SOLAR ECLIPSE - APRIL 8, 2024
PAN-AMERICAN MASTER GAMES - JULY 12-24, 2024
DOWNTOWN PROFESSIONAL SPORTING EVENTS & CONCERTS (2 HOURS BEFORE / 2 HOURS AFTER EVENT)
(OTHER HOLIDAY OR EVENT)

THE PERIOD OF TIME THAT THE 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:

Table with 2 columns: DAY OF HOLIDAY OR EVENT, TIME ALL LANES MUST BE OPEN TO TRAFFIC. Rows include SUNDAY, MONDAY, TUESDAY, WEDNESDAY, THURSDAY, THURSDAY (THANKSGIVING ONLY), FRIDAY, SATURDAY.

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE PER THE LANE VALUE CONTRACT (PN 127).

I. NOTIFICATION

SINCE FUNCTIONAL TRAFFIC CONTROL IS A MAJOR CONCERN ON THIS PROJECT, IT IS ESSENTIAL THAT THE MOTORING PUBLIC BE ADEQUATELY FOREWARNED OF FUTURE LANE CLOSURES AND TRAFFIC CONSTRUCTIONS. THEREFORE, THE CONTRACTOR MUST SUBMIT A WRITTEN SCHEDULE TO THE ODOT PUBLIC INFORMATION OFFICE (216-584-2006 OR D12.PUBLICINFORMATION@DOT.OHIO.GOV) INDICATING THE LOCATION AND DATES OF THE LANE CLOSURES AT LEAST 14 DAYS PRIOR TO THE IMPLEMENTATION OF ANY SUCH CLOSURES. ALSO, NOTIFY THE ENGINEER, RESPONSIBLE LAW ENFORCEMENT AGENCIES AND EMERGENCY SERVICES, AND LOCAL MUNICIPALITIES OF LANE CLOSURES OR OTHER RESTRICTION AT LEAST 2 WEEKS PRIOR TO IMPLEMENTATION. 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, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

USE PORTABLE CHANGEABLE MESSAGE SIGNS TO ALERT MOTORISTS 3 DAYS PRIOR TO THE IMPLEMENTATION OF ANY CHANGES SUCH AS LANE CLOSURES OR OTHER RESTRICTIONS.

NOTIFICATION OF TRAFFIC RESTRICTIONS table with columns: ITEM, DURATION OF CLOSURE, NOTICE DUE TO PERMITS & PIO. Rows include RAMP & ROAD CLOSURES, LANE CLOSURES & RESTRICTIONS, and START OF CONSTRUCTION & TRAFFIC PATTERN CHANGES.

II. LANE CLOSURE RESTRICTIONS

- 1. LANE CLOSURES MAY ONLY BE IMPLEMENTED AT THE TIMES PERMITTED BY THE "DISTRICT 12 PERMITTED LANE CLOSURE TIMES" LIST WHICH IS LOCATED ON THE ODOT WEB SITE: HTTPS://WWW.DOT.STATE.OH.US/DISTRICTS/D12/HIGHWAY MANAGEMENT/PAGES/PERMITTEDLANECLOSURES.ASPX
2. ANY ROADWAY NOT LISTED IN THE "DISTRICT 12 PERMITTED LANE CLOSURE TIMES" SHALL NOT HAVE ANY WEEKDAY CLOSURES FROM 6:00AM - 9:00AM OR 3:00PM - 6:00 PM, UNLESS PERMITTED OTHERWISE IN THE PLANS.
3. UNLESS OTHERWISE NOTED, EXIT AND ENTRANCE RAMP LANES SHALL REMAIN OPEN AT ALL TIMES AND EXHIBIT A MINIMUM WIDTH OF ELEVEN (11) FEET.
4. NO LANE OR SHOULDER CLOSURES SHALL BE IN PLACE WHEN NO WORK IS BEING PERFORMED.
5. MAINTENANCE OF TRAFFIC SHALL FOLLOW THE INSTRUCTION OF THE STANDARD CONSTRUCTION DRAWINGS LISTED ON THE TITLE SHEET AND THE LATEST REVISION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD).
6. PEDESTRIAN TRAFFIC SHALL BE PERMITTED AND ACCOMMODATED ON AT LEAST ONE SIDE AT ALL TIMES AT LOCATIONS WHERE PEDESTRIAN TRAFFIC IS CURRENTLY MAINTAINED.

LOCATION 1 (CUY-90-1062)

PHASE 1 (SHEETS 16-17)

THE SIDEWALK ALONG THE EAST SIDE OF THE BRIDGE, THE OUTER NORTHBOUND LANE, AND THE INNER SOUTHBOUND LANE OF WEST 117TH STREET SHALL BE CLOSED PRIOR TO THE BRIDGE. THE TWO REMAINING NORTHBOUND LANES SHALL BE SHIFTED TO THE WEST. THE INNER NORTHBOUND LANE SHALL CROSS THE MEDIAN AND SHALL OCCUPY THE PATH OF THE EXISTING INNER SOUTHBOUND LANE. PORTIONS OF THE MEDIAN SHALL BE REMOVED PRIOR THE BRIDGE TO ACCOMMODATE THIS. PORTABLE BARRIERS SHALL BE USED ALONG THE OUTSIDE OF THE NORTHBOUND TRAFFIC TO PROTECT THE WORK AREA WHILE PERFORMING THE REHABILITATION.

PHASE 2 (SHEETS 18-19)

THE MIDDLE NORTHBOUND LANE AND THE INNER SOUTHBOUND LANE OF WEST 117TH STREET SHALL BE CLOSED PRIOR TO THE BRIDGE. THE INNER NORTHBOUND LANE SHALL BE SHIFTED TO THE WEST. THE INNER NORTHBOUND LANE SHALL CROSS THE MEDIAN AND SHALL OCCUPY THE PATH OF THE EXISTING INNER SOUTHBOUND LANE. THE SIDEWALK ALONG THE EAST SIDE OF THE BRIDGE SHALL REOPEN, AND THE OUTER NORTHBOUND LANE SHALL RETURN TO THE EXISTING CONFIGURATION, USING THE NEWLY REHABILITATED APPROACH SLAB AND BRIDGE DECK. PORTABLE BARRIERS SHALL BE USED ALONG THE OUTSIDE OF THE INNER NORTHBOUND LANE AND THE INSIDE OF THE OUTER NORTHBOUND LANE TO PROTECT THE WORK AREA WHILE PERFORMING THE REHABILITATION.

PHASE 3 (SHEETS 20-21)

THE MIDDLE SOUTHBOUND LANE AND THE INNER NORTHBOUND LANE OF WEST 117TH STREET SHALL BE CLOSED PRIOR TO THE BRIDGE. THE INNER SOUTHBOUND LANE SHALL BE SHIFTED TO THE EAST. THE INNER SOUTHBOUND LANE SHALL CROSS THE MEDIAN AND SHALL OCCUPY THE PATH OF THE EXISTING INNER NORTHBOUND LANE. THE SIDEWALK ALONG THE WEST SIDE OF THE BRIDGE SHALL REOPEN, AND THE OUTER SOUTHBOUND LANE SHALL RETURN TO THE EXISTING CONFIGURATION, USING THE NEWLY REHABILITATED APPROACH SLAB AND BRIDGE DECK. PORTABLE BARRIERS SHALL BE USED ALONG THE OUTSIDE OF THE INNER SOUTHBOUND LANE TO PROTECT THE WORK AREA WHILE PERFORMING THE REHABILITATION.

PHASE 4 (SHEETS 22-23)

THE SIDEWALK ALONG THE WEST SIDE OF THE BRIDGE, THE OUTER SOUTHBOUND LANE, AND THE INNER NORTHBOUND LANE OF WEST 117TH STREET SHALL BE CLOSED PRIOR TO THE BRIDGE. THE TWO REMAINING SOUTHBOUND LANES SHALL BE SHIFTED TO THE EAST. THE INNER SOUTHBOUND LANE SHALL CROSS THE MEDIAN AND SHALL OCCUPY THE PATH OF THE EXISTING INNER NORTHBOUND LANE. PORTIONS OF THE MEDIAN SHALL BE REMOVED PRIOR TO THE BRIDGE TO ACCOMMODATE THIS. PORTABLE BARRIERS SHALL BE USED ALONG THE OUTSIDE OF THE SOUTHBOUND TRAFFIC TO PROTECT THE WORK AREA WHILE PERFORMING THE REHABILITATION.

LOCATION 2 (CUY-090-2910)

PROPOSED DECK PATCHING AND EXPANSION JOINT REPAIRS ARE TO BE PERFORMED IN ACCORDANCE WITH THE DISTRICT 12 PERMITTED LANE CLOSURE (PLC) CHART. EXPANSION JOINT REPAIR AT THE FORWARD ABUTMENT OF THE WESTBOUND LANES WILL REQUIRE CLOSING IR-90 WB LANES 2 AND 3 WHILE MAINTAINING TRAFFIC IN LANES 1 AND 4. IT IS ANTICIPATED THAT THIS CLOSURE WILL BE DONE BY CLOSING BOTH THE RIGHT LANE OF IR-90 WB AND THE LEFT LANE OF SR-2 WB WITHIN THE IR-90 / SR 2 INTERCHANGE DURING OFF-PEAK HOURS.

PROPOSED PATCHING OF THE FASCIA BRIDGE PARAPETS IS TO BE PERFORMED IN ACCORDANCE WITH THE DISTRICT 12 PERMITTED LANE CLOSURE (PLC) CHART AND STANDARD CONSTRUCTION DRAWINGS MT-095.40. WORK ON THE SOUTH SIDE OUTER DECK MAY REQUIRE THE NEED TO USE THE 'EARLY MERGE' DETAIL OF SCD MT-98.10 TO MERGE TRAFFIC ENTERING IR-90 FROM THE EASTBOUND SOUTH LAKELAND BOULEVARD ENTRANCE RAMP.

IN ACCORDANCE WITH SP 123-001, LANE CLOSURES ON I-90 OR SR-2 THAT VIOLATE THE PLCs AND THE ALLOWABLE QUEUE THRESHOLD WILL REQUIRE AN EXCEPTION REQUEST TO BE APPROVED BY THE DISTRICT DEPUTY DIRECTOR OR THE MOTEC.

THE CONTRACTOR SHALL PERFORM PIER REPAIR WORK BY CLOSING THE SHOULDER AND LEFT TURN LANES OF EAST 260TH STREET WHERE APPLICABLE, AND MAINTAINING TRAFFIC USING OMUTCD TYPICAL APPLICATION TA-3 AND TA-23 RESPECTIVELY AS SHOWN ON SHEETS 24-26. DURING FIBER WRAPPING AND SEALING OPERATIONS, THE OUTSIDE SHOULDER AND THROUGH TRAVEL LANE WILL BE CLOSED USING OMUTCD TYPICAL APPLICATION TA-22 AND TA-23, AND SCD MT-95.31 AND MT-95.32.

WHENEVER WORK CLOSES EITHER THE THROUGH LANE OR THE LEFT TURN LANE OF EAST 260TH STREET, ADJUSTMENT OF THE TRAFFIC SIGNALS AT NORTH LAKELAND BOULEVARD AND SOUTH LAKELAND BOULEVARD (TIMING, PHASING, DETECTION, ETC.) WILL BE REQUIRED. THIS TASK WILL REQUIRE COORDINATION WITH THE CITY OF EUCLID.

WHEN ANY WORK IS BEING PERFORMED ADJACENT TO OR OVER THE MARGINAL CONNECTOR THAT WILL IMPACT TRAFFIC, THE ROAD MAY BE CLOSED. MARGINAL CONNECTOR TRAFFIC SHALL BE DETOURED FROM EASTBOUND SOUTH LAKELAND BOULEVARD TO EAST 260TH STREET TO WESTBOUND SOUTH LAKELAND BOULEVARD.

DURING ALL TIMES, THE SIDEWALK ON AT LEAST ONE SIDE OF EAST 260TH MUST REMAIN OPEN AND PEDESTRIAN TRAFFIC WILL BE MAINTAINED USING SCD MT-110.10.

LOCATION 3 (CUY-237-0827)

PHASE 1 (SHEET 28)

THE NORTHBOUND LANE OF ROCKY RIVER DRIVE SHALL BE SHIFTED TO THE EAST. THE OUTSIDE SOUTHBOUND LANE OF ROCKY RIVER DRIVE SHALL BE CLOSED PRIOR TO THE BRIDGE. THE INSIDE SOUTHBOUND LANE OF ROCKY RIVER DRIVE SHALL BE SHIFTED TO THE EAST, ACROSS THE EXISTING CENTERLINE, AND SHALL OCCUPY A PORTION OF THE EXISTING NORTHBOUND LANE. PORTABLE BARRIERS SHALL BE USED ALONG THE OUTSIDE OF THE SOUTHBOUND TRAFFIC TO PROTECT THE WORK AREA WHILE PERFORMING THE REHABILITATION.

PHASE 2 (SHEET 29)

THE NORTHBOUND LANE OF ROCKY RIVER DRIVE SHALL BE SHIFTED TO THE WEST, ACROSS THE EXISTING CENTERLINE, AND SHALL OCCUPY A PORTION OF THE EXISTING SOUTHBOUND LANE. THE INSIDE SOUTHBOUND LANE SHALL BE CLOSED PRIOR TO THE BRIDGE. PORTABLE BARRIERS SHALL BE USED ALONG THE OUTSIDE OF THE NORTHBOUND TRAFFIC TO PROTECT THE WORK AREA WHILE PERFORMING THE REHABILITATION.

LOCATION 4 (CUY-252-0434)

THE CONTRACTOR SHALL PERFORM TOP OF DECK WORK BY CLOSING LANES IN ACCORDANCE WITH SCD MT-95.30. WHEN WORK IS BEING PERFORMED IN OR ADJACENT TO THE AUXILIARY LANE, TRAFFIC SHALL BE MAINTAINED BY CLOSING THAT LANE WITHIN THE WORK AREA AND RAMP "D" DURING CONSTRUCTION. RAMP CLOSURE AND DETOUR MAY ONLY BE IMPLEMENTED FROM 7:00 PM FRIDAY TO 6:30 AM MONDAY. RAMP "D" MAY NOT BE CLOSED IF THE DETOUR FOR LOCATION 6 IS IN EFFECT. THE RECOMMENDED DETOUR FOR THIS RAMP IS SHOWN ON SHEET 11.

THE CONTRACTOR SHALL PERFORM UNDERSIDE STEEL AND SUBSTRUCTURE WORK BY CLOSING LANES DURING PERMITTED LANE CLOSURE TIMES UNLESS OTHERWISE NOTED. DURING WORK THAT WILL OCCUR OFF THE TRAVEL LANES AND OVER THE ADJACENT TRAVEL LANE, TRAFFIC WILL BE MAINTAINED IN ACCORDANCE WITH SCD MT-95.31. DUE TO THE PROXIMITY OF THE I-480 WESTBOUND EXIT RAMP TO SOUTHBOUND SR 252 (RAMP "D"), THE CLOSURE OF THE WESTBOUND TRAVEL LANE AND SHOULDER WILL REQUIRE THE CLOSURE OF THE EXIT RAMP.

THIS WORK SHOULD COINCIDE WITH THE RAMP "D" WEEKEND CLOSURE NOTED ABOVE. WHEN WORK IS BEING PERFORMED ON THE EASTBOUND OUTSIDE COLUMNS AND OVER THE OUTSIDE TRAVEL LANE, THE "MERGING TRAFFIC" DETAIL OF SCD MT-98.20 SHALL BE USED TO MERGE TRAFFIC ENTERING EASTBOUND I-480 FROM "RAMP C". DURING WORK OCCURRING ADJACENT TO OR OVER THE INSIDE OF I-480, PART-WIDTH TRAFFIC WILL BE MAINTAINED IN ACCORDANCE WITH STANDARD CONSTRUCTION DRAWING MT-95.32.

DUE TO THE PROXIMITY TO GREAT NORTHERN MALL AND ADJACENT STRIP CENTERS, NO CLOSURES SHALL TAKE PLACE ON EITHER SR 252 OR THE I-480 RAMPS BETWEEN THANKSGIVING AND THE END OF THE YEAR.

DESIGN AGENCY



DESIGNER JMB

REVIEWER DRP 12-13-22

PROJECT ID 105909

SHEET 7 TOTAL 110

SHEET NUM.											PART.	ALT	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
40	54	62	76	91	97	104					01/IMS/47	(X)	EXT	TOTAL				
											LS		201	11000	LS		ROADWAY	
	1		10			16					27		441	50300	27	CY	CLEARING AND GRUBBING	
			125								125		606	15050	125	FT	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)	
			2								2		606	26150	2	EACH	GUARDRAIL, TYPE MGS	
			2		4						6		606	26550	6	EACH	ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)	
											7		606	35002	7	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
			4		3						1		606	35102	1	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	
					1								606	35102	1	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2	
											7,000		832	30000	7,000	EACH	EROSION CONTROL	
																	EROSION CONTROL	
																	LIGHTING	
					2						5		625	00450	5	EACH	CONNECTION, FUSED PULL APART	
					2						5		625	00460	5	EACH	CONNECTION, UNFUSED PULL APART	
					2						5		625	00480	5	EACH	CONNECTION, UNFUSED PERMANENT	
			920		331						1,251		625	23200	1,251	FT	NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE	
			920		331						1,251		625	23302	1,251	FT	NO. 6 AWG 2400 VOLT DISTRIBUTION CABLE	
											471		625	23400	471	FT	NO. 10 AWG POLE AND BRACKET CABLE	
			303		168						670		625	25409	670	FT	CONDUIT, 2", 725.051, AS PER PLAN	5
	12		630		40						12		625	27502	12	EACH	LUMINAIRE, UNDERPASS, SOLID STATE (LED)	5
											5		625	27520	5	EACH	REMOVAL OF LUMINAIRE AND REERECTION	
	35										47		625	27521	47	EACH	REMOVAL OF LUMINAIRE AND REERECTION, AS PER PLAN	5
					2						5		625	29920	5	EACH	STRUCTURE JUNCTION BOX	
					1						2		625	33000	2	EACH	STRUCTURE GROUNDING SYSTEM	
					2						5		625	35011	5	EACH	REMOVE AND REERECT EXISTING LIGHT POLE, AS PER PLAN	82, 101
					1						2		625	39520	2	EACH	PULL BOX CLEANED	
					LS						LS		SPECIAL	62540000	LS		MAINTAIN EXISTING LIGHTING	
					1						2		625	75800	2	EACH	DISCONNECT CIRCUIT	
	2										2		631	94490	2	EACH	REMOVAL, MISC.: SIGNAL FLASHER ASSEMBLY	5
																	STRUCTURE REPAIR (CUY-090-1062, SFN 1808249 - LOCATION 1)	
	LS										LS		202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	34,36,42-44
	567										567		202	22900	567	SY	APPROACH SLAB REMOVED	
	2,811										2,811		509	10001	2,811	LB	EPOXY COATED REINFORCING STEEL, AS PER PLAN	34, 46
	500										500		509	20001	500	LB	REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL, AS PER PLAN	34
	36										36		511	34411	36	CY	CLASS QC2 CONCRETE, SUPERSTRUCTURE, AS PER PLAN	44, 48
											15		511	45710	15	CY	CLASS QC1 CONCRETE, ABUTMENT	
	15										18		511	53010	18	CY	CLASS QC1 CONCRETE, MISC.: APPROACH SIDEWALKS, SAFETY BARRIER TRANSITIONS	49, 50
	18										294		512	10050	294	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	
	294										602		512	10101	602	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN	34
	602										70		512	10301	70	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN, AS PER PLAN	49
	70																	
											235		516	10000	235	FT	PREFORMED ELASTOMERIC COMPRESSION JOINT SEAL	
	235										193		516	11210	193	FT	STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL	35
	193										90		516	13600	90	SF	1" PREFORMED EXPANSION JOINT FILLER	
	90										330		519	11101	330	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	35, 45
	330										567		526	30010	567	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17")	
	567																	
											680		607	39994	680	FT	TEMPORARY VANDAL FENCE, TYPE B	
	680																	
																	STRUCTURE REPAIR (CUY-090-2910, SFN 1809008 - LOCATION 2)	
	LS										LS		202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	34, 36
	680										680		510	10000	680	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
	230										230		512	10101	230	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN	34, 60
											1,012		SPECIAL	51271500	1,012	SY	URETHANE TOP COAT SEALER	
	1,012										1,338		513	10201	1,338	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN	34
	1,338										355		516	10001	355	FT	PREFORMED ELASTOMERIC COMPRESSION JOINT SEAL, AS PER PLAN	34, 57
	355										LS		516	14800	LS		STRUCTURAL JOINT OR JOINT SEALER, MISC.: EXPANSION JOINT REPAIR	57
	LS										13		516	45305	13	EACH	REFURBISH BEARING DEVICE, AS PER PLAN	34
	13																	
											9		516	46200	9	EACH	BEARING DEVICE, ROCKER	
	9										9		516	46700	9	EACH	RESET BEARING	
	9										LS		516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	35
	LS																	

DESIGN AGENCY

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DESIGNER
 MJD

REVIEWER
 JDH 12-13-22

PROJECT ID
 105909

SHEET TOTAL
 30 110

LOCATION	BRIDGE NUMBER	STRUCTURAL FILE NUMBER	STRUCTURE TYPE	STRUCTURE LIMITS (*)	BRIDGE WIDTH (OUT/OUT)	LANES ON	LANES UNDER	SEALER AND PAINT COLOR	PROPOSED WORK - THE WORK SHOWN IS REPRESENTATIVE AND DOES NOT INCLUDE ALL WORK
1	CUY-090-1062	1808249	3-SPAN CONTINUOUS WELDED STEEL GIRDER	299'	98.3'	6	8	MATCH EXISTING SEALER COLOR (FC# 595a-36492)	- PATCH CONCRETE PARAPETS - REPLACE EXPANSION JOINTS - REMOVE/REPLACE MEDIAN CURBS AND COMPRESSION SEAL - REPLACE APPROACH SLABS
2	CUY-090-2910	1809008	5-SPAN CONTINUOUS STEEL BEAM	316.3'	141' ±	8	6	MATCH EXISTING SEALER COLOR (FC# 595B-25630)	- PATCH CONCRETE PARAPETS - EXPANSION JOINT REPAIR - PATCH BACKWALLS & CHEEKWALLS - REPLACE CROSSFRAME MEMBERS AS NEEDED - REPLACE, REFURBISH OR RESET BEARINGS - PATCH ABUTMENTS & PIERS - FIBER WRAP PIER COLUMNS AND CAPS - REPAIR DELAMINATED DECK WEARING SURFACE - RESEAL TOPS OF CONCRETE SLOPE PROTECTION
3	CUY-237-0827	1810332	3-SPAN CONTINUOUS STEEL BEAM	175'	66.3'	4	2	MATCH EXISTING SEALER COLOR (FC# 27778 - Lt. Neutral)	- REPLACE WEARING SURFACE - REPLACE EXPANSION JOINTS - REMOVE/REPLACE APPROACH SLABS - REPLACE CROSSFRAME MEMBERS AS NEEDED - REPLACE, REFURBISH OR RESET BEARINGS - PATCH ABUTMENTS & PIERS - FIBER WRAP PIER COLUMNS AND CAPS - REPLACE VANDAL PROTECTION FENCE
4	CUY-252-0434	1810405	4-SPAN CONTINUOUS BUILT-UP STEEL GIRDER	336.94'	98'	5	8	MATCH EXISTING SEALER COLOR (FC# 27722)	- PATCH WEARING SURFACE - PATCH CURBS, WALKS & MEDIAN - REPLACE BRIDGE RAILING AND VPF (FORMLINER IF REQUESTED) - REPLACE CROSSFRAME MEMBERS AS NEEDED - REPLACE, REFURBISH OR RESET BEARINGS - PATCH BACKWALLS, CHEEKWALLS, ABUTMENTS & PIERS - FIBER WRAP PIER COLUMNS AND CAPS - INSTALL TIMBER SUB-DECKING OVER TRAVELED LANES - PATCH PRESSURE RELIEF JOINTS - INSTALL BRIDGE TERMINAL ASSEMBLIES AT CORNERS - REPLACE EXPANSION JOINT SEALS
5	CUY-271-1543	1811851	6-SPAN CONTINUOUS STEEL BEAM	437.18	40'	2	10	MATCH EXISTING SEALER COLOR (FC# 17778)	- PATCH PIER COLUMNS AND CAPS - FIBER WRAP PIER COLUMNS AND CAPS - REPLACE FENCE POSTS AND CLAMPS AS NEEDED - REPLACE, REFURBISH OR RESET BEARINGS - REPLACE 4" BITUMEN-IMPREGNATED SEALS AT WINGWALLS
6	CUY-480-0446	1814109	4-SPAN CONTINUOUS STEEL BEAM	302.76'	40'	2	6	MATCH EXISTING SEALER COLOR (FC# 27722)	- REPLACE WEARING SURFACE - REPAIR CURBS AND WALKS - REPLACE THE PARAPET AND VPF - REPLACE CROSSFRAME MEMBERS AS NEEDED - REPLACE, REFURBISH OR RESET BEARINGS - CLEAN ABUTMENT SEATS, EXPANSION JOINTS AND ALL BEARING AREAS - INSTALL BRIDGE TERMINAL ASSEMBLIES AT CORNERS
7	CUY-480-0870ES	1814249	4-SPAN CONTINUOUS WELDED STEEL GIRDER	398.07'	36'	2	3	MATCH EXISTING SEALER COLOR (FC# 595b-37722)	- PATCH WEARING SURFACE & APPROACH SLABS - REPLACE ASPHALT IN PRESSURE RELIEF JOINTS - PATCH PARAPETS - PATCH BACKWALLS, ABUTMENTS AND PIERS - FIBER WRAP PIER COLUMNS AND CAPS - REFURBISH BEARINGS

(*) STRUCTURE LIMITS ARE FROM BEGIN APPROACH SLAB TO END APPROACH SLAB

STRUCTURE DATA TABLE

SFN
 VARIOUS
 DESIGN AGENCY



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DESIGNER CHECKER
 MJD JDH

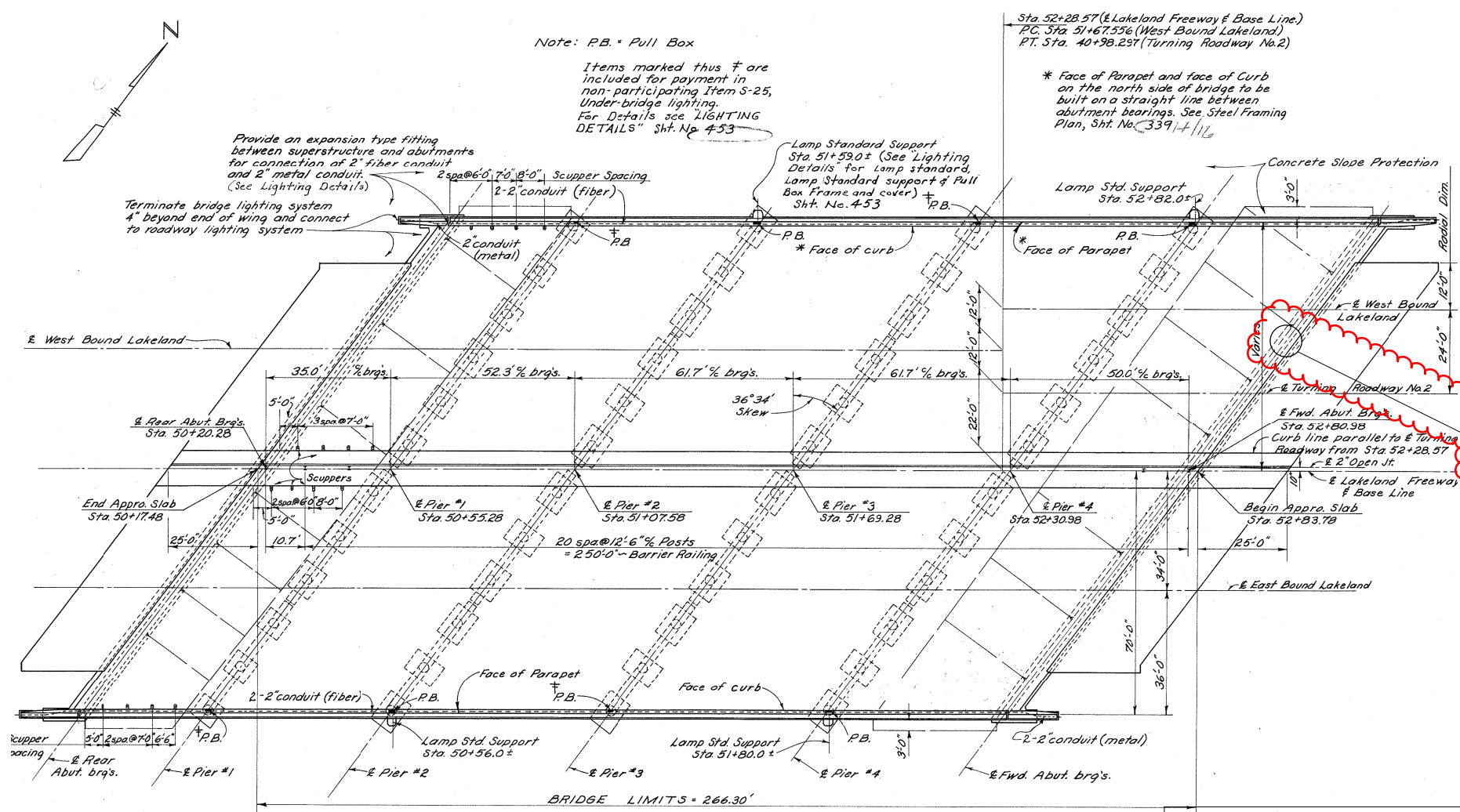
REVIEWER
 SMK 12-13-22

PROJECT ID
 105909

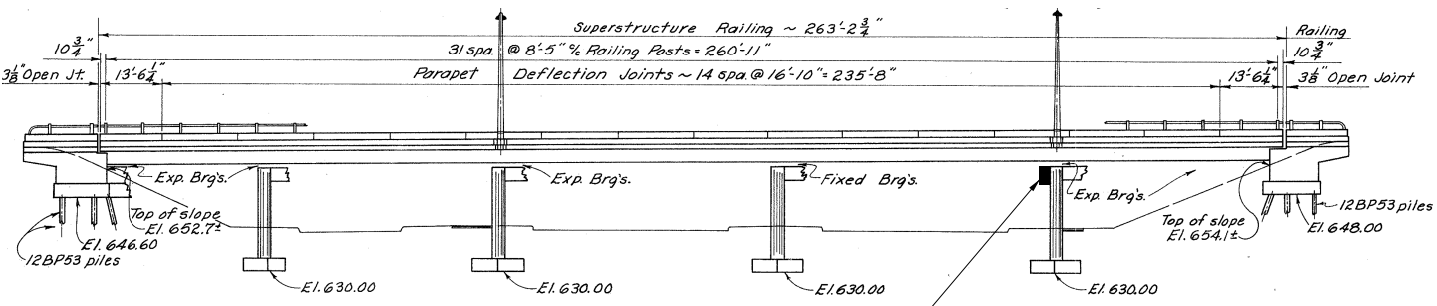
SUBSET	TOTAL
4	5
SHEET	TOTAL
37	110

CUY-BH-FY2023 MISC.

MODEL: Sheet PAPER: 34x22 (in.) DATE: 4/14/2023 TIME: 11:23:38 AM USER: mdcruz
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GENERAL PLAN



ELEVATION

LUMINAIRE REPLACEMENT AT PIER 4. REPAIR BROKEN WIRES AND LUMINAIRES.

NOTES:

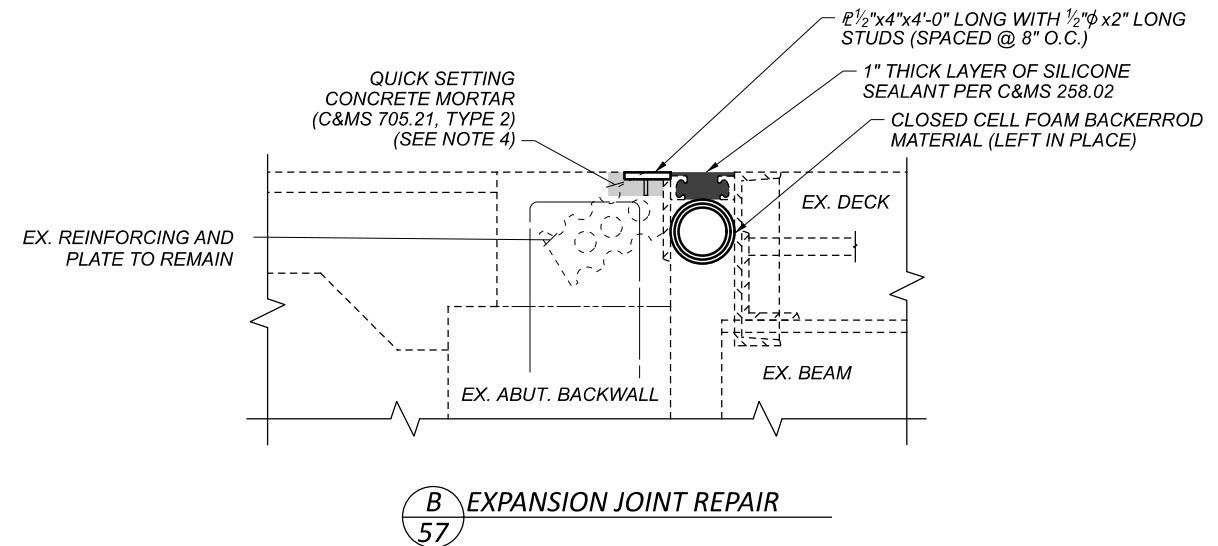
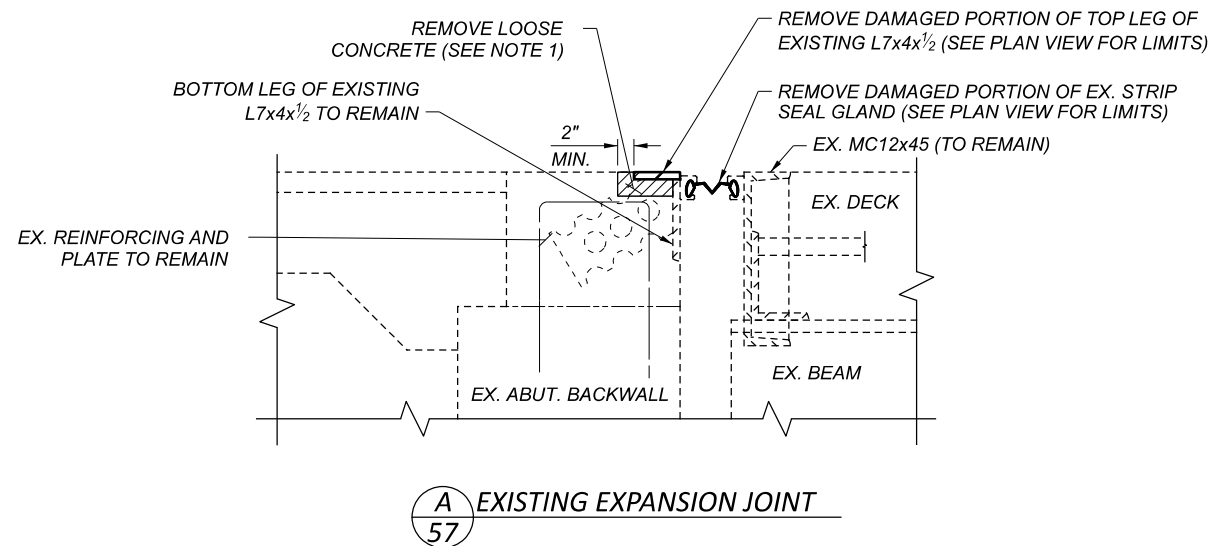
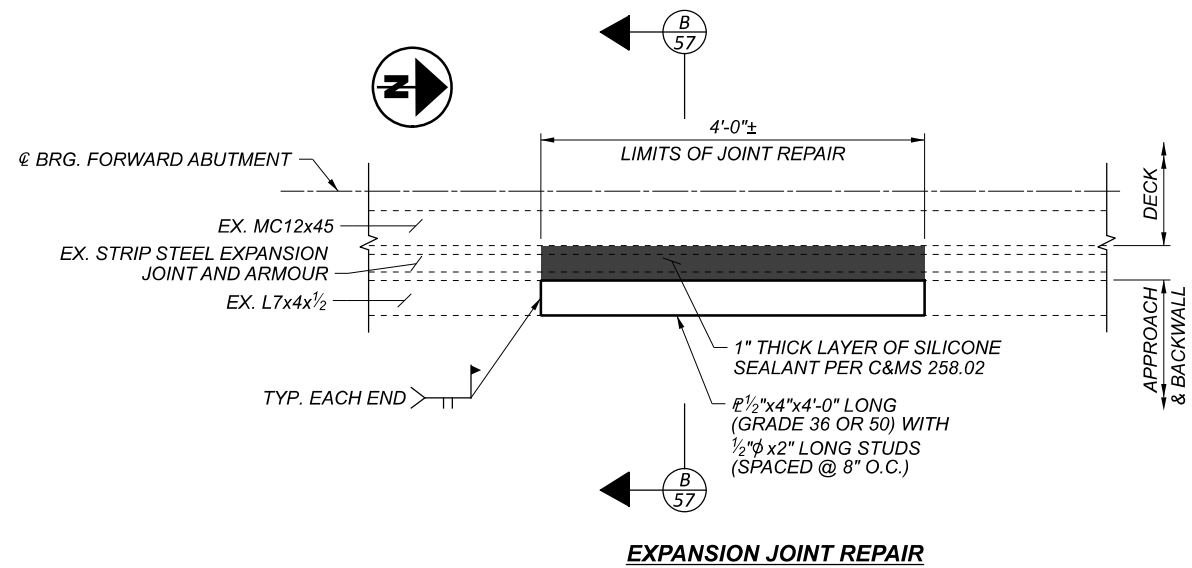
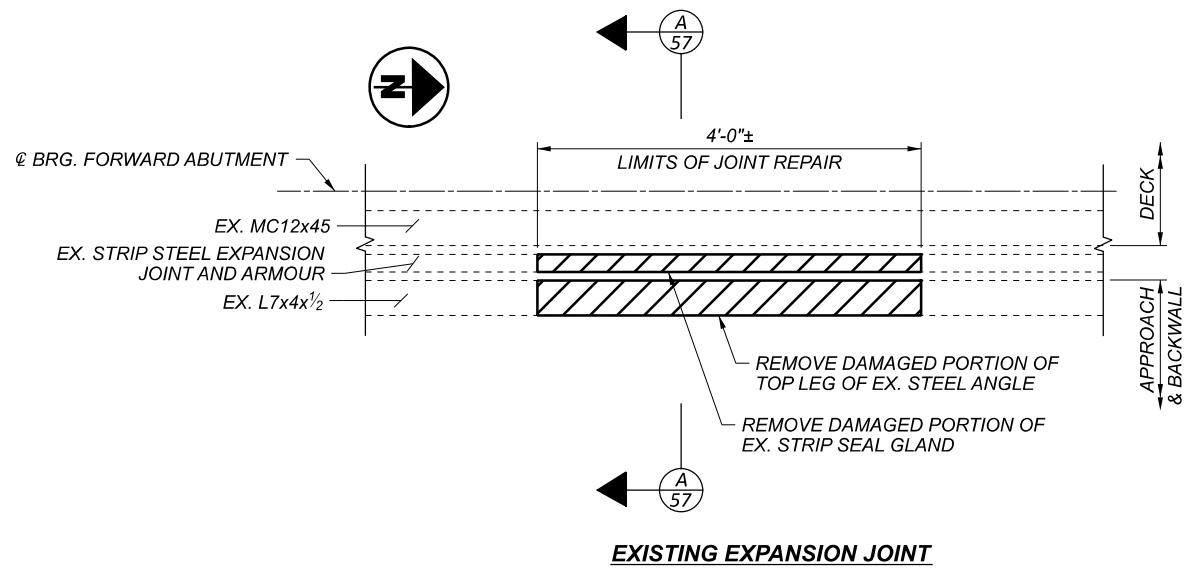
1. DETAILS ON THIS SHEET ARE TAKEN FROM EXISTING PLANS AND SHOULD BE USED FOR INFORMATION PURPOSES ONLY.
2. PERFORM ONLY THE WORK AS INDICATED IN THE STRUCTURE DATA TABLE SHEET, FRAMED TEXT, AND/OR DESCRIBED IN THE GENERAL NOTES.
3. FOR ESTIMATED QUANTITIES SEE TABLE ON THIS SHEET.

PARTIAL EXPANSION JOINT REPAIR (SEE DETAILS ON SHEET 57)

ESTIMATED QUANTITIES						CALCULATED: JDH DATED: 06/22	CHECKED: MJD DATED: 06/22
ITEM	EXT.	QUANTITY	UNIT	DESCRIPTION	REF. SHEET		
202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	34		
441	50301	1	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)	57		
510	10000	680	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT			
512	10101	230	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN	34, 60		
SPECIAL	51271500	1012	SY	SPECIAL - URETHANE TOP COAT SEALER			
513	10201	1338	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN	34		
516	10001	355	FT	PREFORMED ELASTOMERIC COMPRESSION JOINT SEAL, AS PER PLAN	34, 57		
516	14800	LS		STRUCTURAL JOINT OR JOINT SEALER MISC.: EXPANSION JOINT REPAIR	57		
516	45305	13	EACH	REFURBISH BEARING DEVICE, AS PER PLAN	34		
516	46200	9	EACH	BEARING DEVICE, ROCKER			
516	46700	9	EACH	RESET BEARING			
516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	35		
SPECIAL	51900100	8633	SF	SPECIAL - COMPOSITE FIBER WRAP SYSTEM	36, 38, 58		
SPECIAL	51900100	212	SF	SPECIAL - COMPOSITE FIBER WRAP SYSTEM: E-GLASS (EGFRP)	36, 38, 58		
519	11101	580	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	35		
519	12300	20	SY	PATCHING CONCRETE BRIDGE DECK - TYPE B			
SPECIAL	53000200	LS		SPECIAL - STRUCTURES: BRIDGE CLEANING	35		
625	27502	12	EACH	LUMINAIRE, UNDERPASS, SOLID STATE (LED)	5		
625	27521	35	EACH	REMOVAL OF LUMINAIRE AND REERECTION, AS PER PLAN	5		
631	94490	2	EACH	REMOVAL, MISC.: SIGNAL FLASHER ASSEMBLY	5		

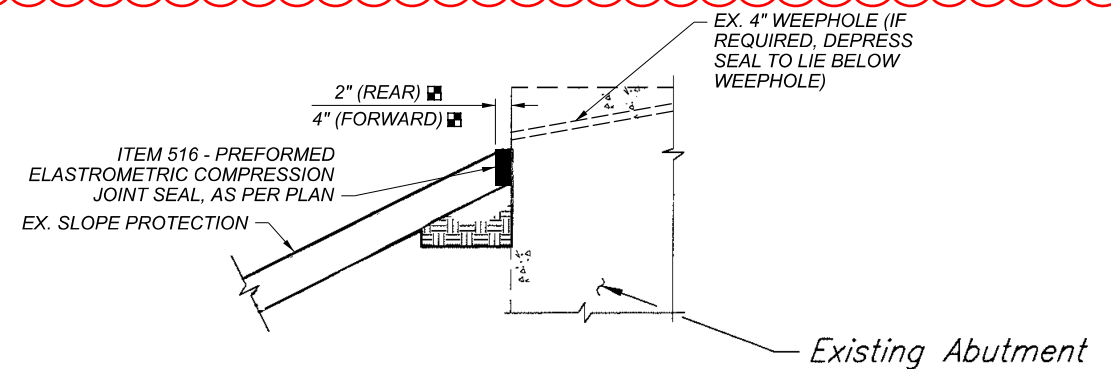
GENERAL PLAN - LOCATION 2
 BRIDGE NO. CUY-90-2910
 IR-90 OVER EAST 260TH STREET

SFN 1809008
 DESIGN AGENCY
OSBORN ENGINEERING
 1100 Superior Avenue Suite 300
 Cleveland, OH 44114
 (216) 882-2200 www.osborneng.com
 DESIGNER CHECKER
 MJD JDH
 REVIEWER
 SMK 12-13-22
 PROJECT ID
 105909
 SUBSET TOTAL
 1 7
 SHEET TOTAL
 54 110



NOTES:

1. REMOVE ALL LOOSE CONCRETE WITHIN LIMITS OF JOINT REPAIR. MINIMUM DEPTH OF REMOVAL IS 3".
2. CONTRACTOR SHALL FIELD VERIFY REMOVAL LENGTH PRIOR TO ORDERING ANY MATERIALS.
3. REMOVE DAMAGED PORTION OF EXISTING STRIP SEAL GLAND BY MAKING CLEAN CUTS PERPENDICULAR TO THE JOINT. REMOVE DAMAGED PORTION OF TOP LEG OF EXISTING STEEL JOINT ARMOR ANGLE BY SAW CUTTING, GRINDING, OR OTHER METHODS AS APPROVED BY THE ENGINEER. ALL FINAL CUTS FOR THE REPAIR SHALL BE PERPENDICULAR TO THE JOINT AND SQUARE TO THE SURFACE.
4. PLACE QUICK SETTING CONCRETE MORTAR TO FILL VOID BELOW THE STEEL PLATE AND REPAIR TOP OF THE ABUTMENT BACKWALL. MORTAR SHALL BE IN ACCORDANCE WITH ODOT C&MS 705.21, TYPE 2.
5. ALL WORK ASSOCIATED WITH REPAIR OF THE EXISTING JOINT, INCLUDING REMOVAL OF PORTION OF EXISTING STEEL ANGLE, STRIP SEAL GLAND, LOOSE CONCRETE, NEW STEEL PLATE WITH STUDS, BACKERROD, SILICONE SEALANT, QUICK SETTING MORTAR, NECESSARY FORMS, COLD PATCH ASPHALT NEEDED TO PROVIDE A SMOOTH TRANSITION TO BRIDGE DECK, AND ALL INCIDENTALS, SHALL BE INCLUDED WITH LUMP SUM ITEM 516 - STRUCTURAL JOINT OR JOINT SEALER, MISC.: EXPANSION JOINT REPAIR FOR PAYMENT.

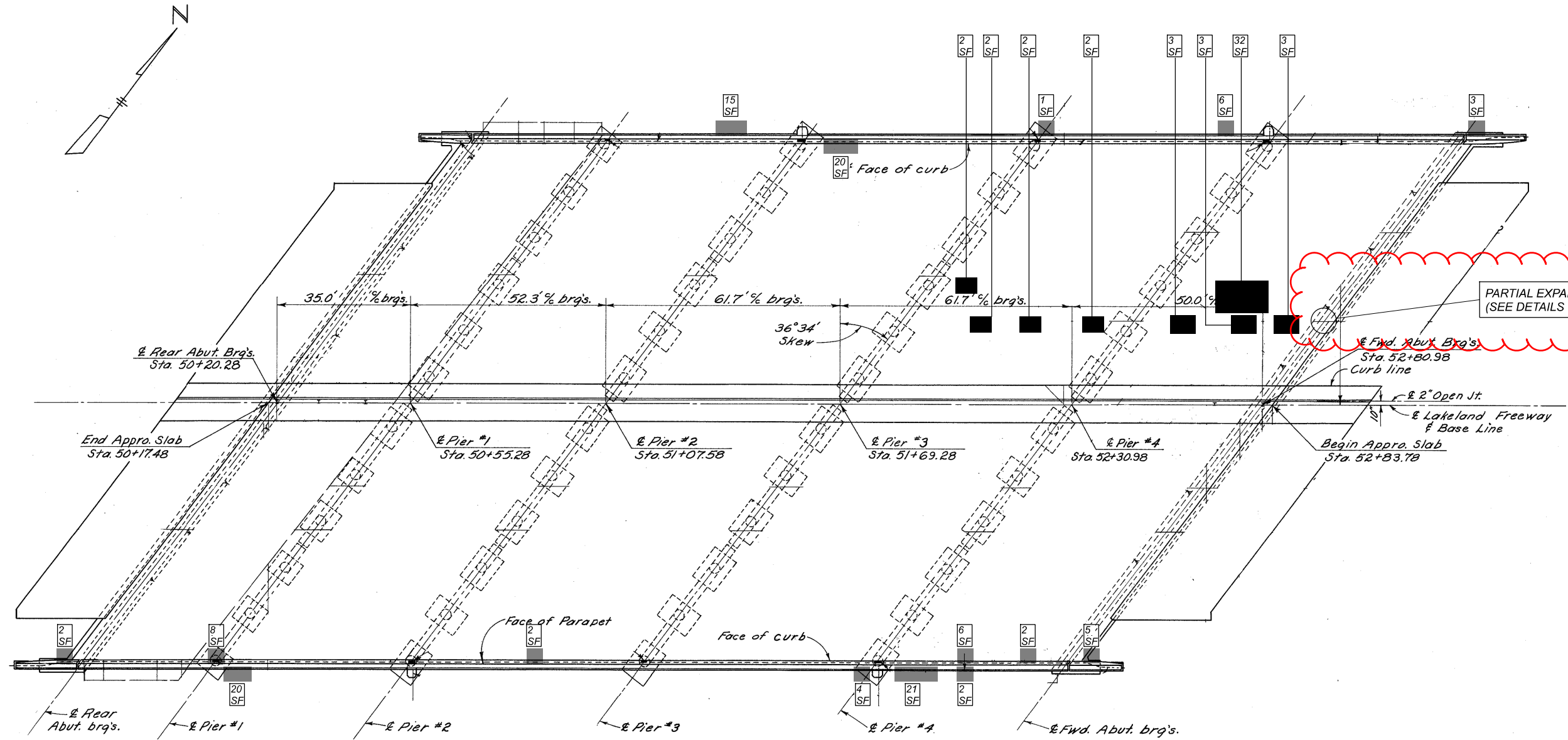


TOP OF SLOPE PROTECTION

□ DIMENSIONS WERE FIELD MEASURED. CONTRACTOR SHALL VERIFY OPENING PRIOR TO ORDERING SEAL.

NOTE: ALL OPENINGS AND JOINTS SHALL BE CLEANED PRIOR TO PLACEMENT (ITEM SPECIAL - STRUCTURES: BRIDGE CLEANING).





NOTES:

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LEGEND:

■ INDICATES APPROXIMATE AREAS OF ITEM 519 - PATCHING CONCRETE BRIDGE DECK - TYPE B.

MEASURED TOTAL (SF)	ESTIMATED TOTAL (SF)	ESTIMATED TOTAL (SY)
49	62	7
TOTAL		7

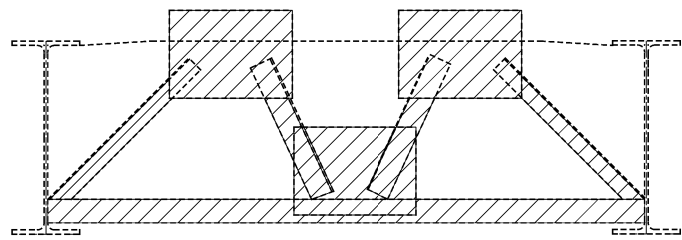
■ INDICATES APPROXIMATE AREAS OF ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN & ITEM 512 - SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN

		MEASURED TOTAL (SF)	ESTIMATED TOTAL (SF)
NORTH PARAPET	OUTSIDE FACE	25	32
	INSIDE FACE	20	25
SOUTH PARAPET	OUTSIDE FACE	47	59
	INSIDE FACE	25	32
TOTAL		148	

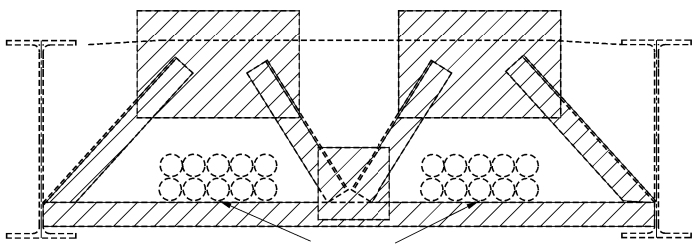
DECK REPAIR PLAN - LOCATION 2
 BRIDGE NO. CUY-90-2910
 IR-90 OVER EAST 260TH STREET

SFN 1809008
 DESIGN AGENCY

 1100 Superior Avenue Suite 300
 Cleveland, OH 44114
 (216) 862-2000 www.osborneng.com
 DESIGNER CHECKER
 MJD JDH
 REVIEWER
 SMK 12-13-22
 PROJECT ID
 105909
 SUBSET TOTAL
 7 7
 SHEET TOTAL
 60 110

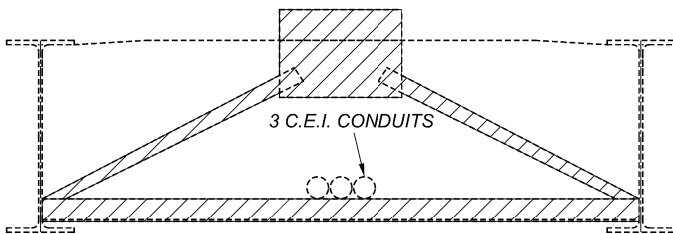


TYPICAL END CROSSFRAME



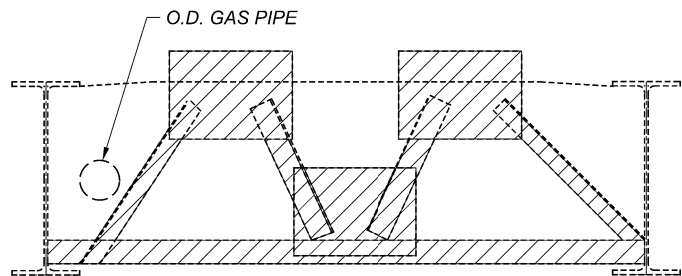
20 AT&T LOCAL CONDUITS

SPECIAL END CROSSFRAME FOR AT&T LOCAL CONDUITS

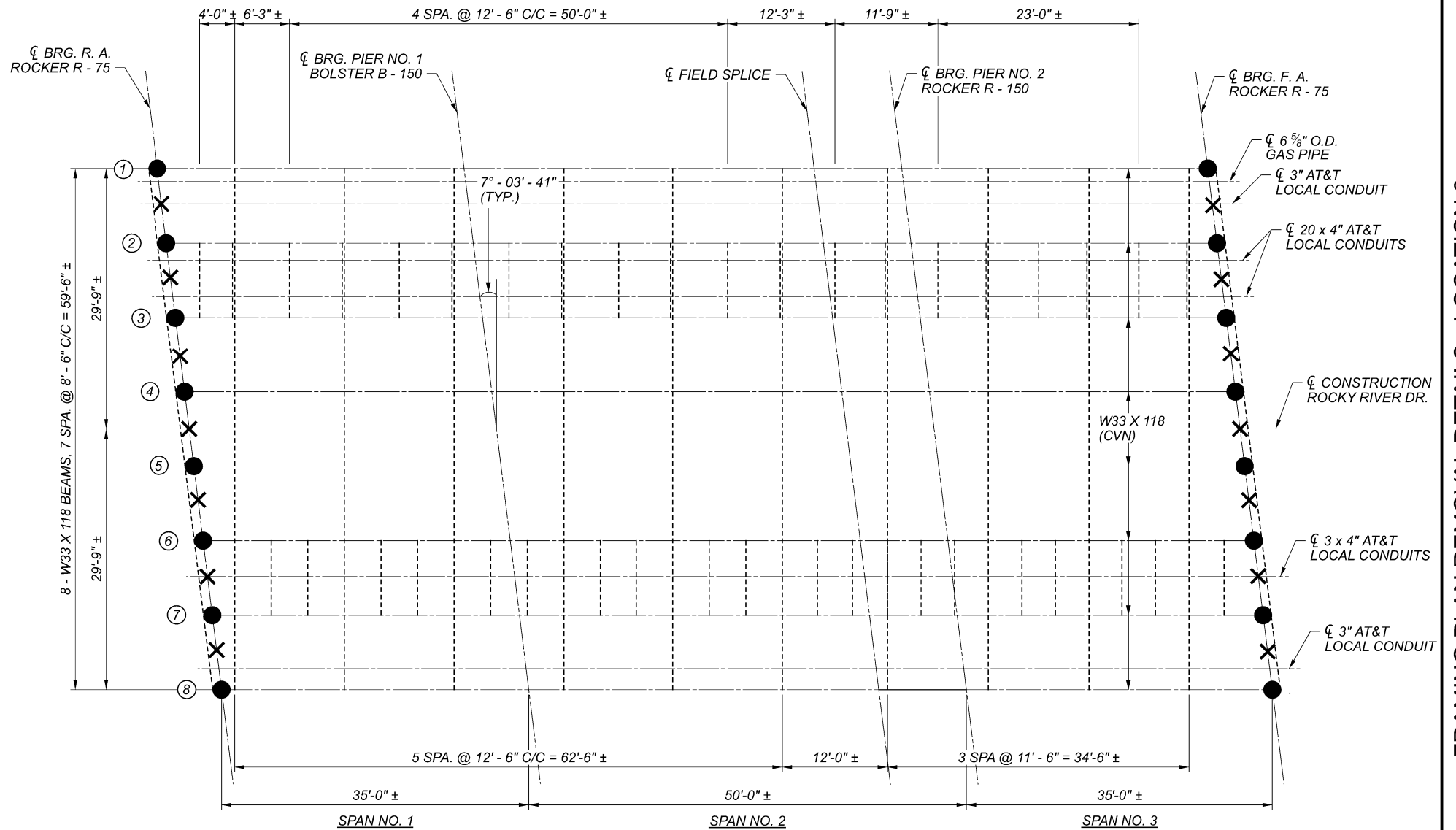


3 C.E.I. CONDUITS

SPECIAL END CROSSFRAME FOR C.E.I. CONDUITS



SPECIAL END CROSSFRAME FOR O.D. GAS PIPE



FRAMING PLAN

LEGEND:

- ✕ - INDICATES TYPICAL END CROSSFRAMES AND SPECIAL END CROSSFRAMES TO BE REMOVED. WELDS SHALL BE REMOVED AND GROUND FLUSH DURING REMOVAL. PAYMENT INCLUDED WITH ITEM 202 - PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN.
- - INDICATES TYPICAL R-75 BEARINGS TO BE REMOVED AND REPLACED IN KIND. REMOVAL OF BEARINGS IS INCLUDED WITH ITEM 202 - PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN. WELDS SHALL BE REMOVED AND GROUND FLUSH DURING REMOVAL. PAYMENT INCLUDED WITH ITEM 514 - GRINDING FIN, TAILS, SLIVERS ON EXISTING STRUCTURAL STEEL.
- # - BEAM DESIGNATION
- ▨ - INDICATES AREAS TO BE REMOVED AS PER ITEM 202 - PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN.

NOTES:

1. AT&T LOCAL AND CEI FIRST ENERGY WILL TEMPORARILY SUPPORT THEIR CONDUITS AS NEEDED DURING CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE WITH EACH UTILITY PRIOR TO BEGINNING WORK AT LOCATION 3.

