

SHEET NUM.		PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
3	8	01(STR)13					ROADWAY	
		LUMP	201	11000	LS		CLEARING AND GRUBBING	
	249	459	202	23000	459 SY		PAVEMENT REMOVED	
		1,437.5	202	38000	1,437.5 FT		GUARDRAIL REMOVED	
		7	202	42001	7 EACH		ANCHOR ASSEMBLY REMOVED, TYPE A, AS PER PLAN	3
		825	606	15100	825 FT		GUARDRAIL, TYPE MGS WITH LONG POSTS	
		7	606	26150	7 EACH		ANCHOR ASSEMBLY, MGS TYPE E (NCHRP 350 OR MASH 2016)	
		3	606	26550	3 EACH		ANCHOR ASSEMBLY, MGS TYPE T	
		4	606	34600	4 EACH		MGS BRIDGE TERMINAL ASSEMBLY, TYPE TST-2	
		4	606	35141	4 EACH		BRIDGE TERMINAL ASSEMBLY, TYPE 4, AS PER PLAN	3
		100	204	30020	100 CY		GRANULAR MATERIAL, TYPE C	
		300	204	10000	300 SY		SUBGRADE COMPACTION	
		100	204	13000	100 CY		EXCAVATION OF SUBGRADE, 12" DEEP	
		300	204	50000	300 SY		GEOTEXTILE FABRIC	
		0.3	209	15050	0.3 MILE		RESHAPING UNDER GUARDRAIL	
		LUMP	878	25000	LS		INSPECTION AND COMPACTION TESTING OF UNBOUND MATERIALS	
		1,763	254	01000	1,763 SY		PAVEMENT PLANING, ASPHALT CONCRETE (D=1.50")	
		60	301	56000	60 CY		ASPHALT CONCRETE BASE, PG64-22, (449)	
		95	304	20000	95 CY		AGGREGATE BASE	
		366	407	20000	366 GAL		NON-TRACKING TACK COAT	
		84	441	50000	84 CY		ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
		269	659	00300	269 CY		TOPSOIL	
269		2,420	659	10000	2,420 SY		SEEDING AND MULCHING	
121		121	659	14000	121 SY		REPAIR SEEDING AND MULCHING	
0.33		0.33	659	20000	0.33 TON		COMMERCIAL FERTILIZER	
0.5		0.5	659	31000	0.5 ACRE		LIME	
13.1		13.1	659	35000	13.1 MGAL		WATER	
		6	621	00100	6 EACH		RPM	
		0.2	644	00104	0.2 MILE		EDGE LINE, 6"	
		0.1	644	00300	0.1 MILE		CENTER LINE	
		0.13	646	10010	0.13 MILE		EDGE LINE, 6"	
		0.06	646	10200	0.06 MILE		CENTER LINE	
							STRUCTURE OVER 20 FOOT SPAN (PRE-121-0098)	
							SEE SHEET 19	
							STRUCTURE OVER 20 FOOT SPAN (PRE-121-0207)	
							SEE SHEET 30	
							MAINTENANCE OF TRAFFIC	
	4	4	614	12384	4 EACH		WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (BIDIRECTIONAL)	
		LUMP	614	12420	LS		DETOUR SIGNING	
	24	24	614	13310	24 EACH		BARRIER REFLECTOR, TYPE 1 (BI-DIRECTIONAL)	
	24	24	614	13312	24 EACH		BARRIER REFLECTOR, TYPE 2 (BI-DIRECTIONAL)	
	48	48	614	13360	48 EACH		OBJECT MARKER, TWO WAY	
	0.4	0.4	614	21000	0.4 MILE		WORK ZONE CENTER LINE, CLASS I	
	0.4	0.4	614	22010	0.4 MILE		WORK ZONE EDGE LINE, CLASS I, 6"	
	72	72	614	26000	72 FT		WORK ZONE STOP LINE, CLASS I	
	LUMP	LUMP	615	10000	LS		ROADS FOR MAINTAINING TRAFFIC	
	350	350	615	25000	350 SY		PAVEMENT FOR MAINTAINING TRAFFIC, CLASS B	
	740	740	622	41100	740 FT		PORTABLE BARRIER, UNANCHORED	
	160	160	622	41110	160 FT		PORTABLE BARRIER, ANCHORED	
							INCIDENTALS	
		LUMP	614	11000	LS		MAINTAINING TRAFFIC	
		LUMP	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
		LUMP	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY



DESIGN AGENCY  
 DESIGNER: GTF  
 REVIEWER: JAO  
 PROJECT ID: 04/25/23  
 SHEET: 100818  
 TOTAL SHEETS: 9 / 53

ROADWAY SUBSUMMARIES

PAVEMENT CALCULATIONS																				
ROUTE	STATION		SIDE	LENGTH		PAVEMENT AREA	PAVEMENT REMOVED	GRANULAR MATERIAL, TYPE C	SUBGRADE COMPACTION	EXCAVATION OF SUBGRADE, 12" DEEP	GEOTEXTILE FABRIC	RESHAPING UNDER GUARDRAIL	PAVEMENT PLANNING ASPHALT CONCRETE		8" ASPHALT CONCRETE BASE, PG64-22	6" ASPHALT AGGREGATE BASE	NON TRACKING TACK COAT @ 0.09 GAL/SQ YD	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22		NOTES
	FROM	TO		MILES	FT								SQ YD	SQ YD				CU YD	CU YD	
PRE 121 0207	8+50.00	10+95.00	LT		245							0.09								GUARDRAIL INSTALLATION
PRE 121 0207	9+00.00	11+15.00	RT		215						0.08									RESURFACING
PRE 121 0207	8+75.00	10+62.28	CL		623						1.50	623					112.1		26	
PRE 121 0207	10+62.28	10+87.28	CL		25	119										21			5	FULL DEPTH AC PAVEMENT
PRE 121 0207	10+87.28	11+07.28	CL		20	89				50	150				23					REAR APPROACH SLAB
PRE 121 0207	11+07.28	12+04.82	CL		97.54															BRIDGE: PRE-127-0207
PRE 121 0207	12+04.82	12+24.82	CL		20	89				50	150				23					FORWARD APPROACH SLAB
PRE 121 0207	12+24.82	12+49.82	CL		25	133									32				6	FULL DEPTH AC PAVEMENT
PRE 121 0207	12+49.82	15+45.00	CL		295	1140						0.08		1140					47	RESURFACING
PRE 121 0207	12+15.00	14+25.00	RT		210							0.05								GUARDRAIL INSTALLATION
PRE 121 0207	12+00.00	13+25.00	LT		125							0.30			60	95	366		84	
<b>TOTALS CARRIED TO GENERAL SUMMARY</b>						210	100	300	100	300	300	0.30	1763	60	95	366				

PAVEMENT MARKING CALCULATIONS

PART	ROUTE	STATION		TOTAL	EDGE LINE, 6"		CENTER LINE		EDGE LINE, 6"		RPM	REMARKS
		FROM	TO		DASHED	SOLID	WHITE	WHITE	DASHED	SOLID		
				MILE	MILE	MILE	MILE	MILE	MILE	MILE	EACH	
02/S>2/13	PRE 121 0098	51+48.33	53+14.10	0.03			0.03			0.07		REAR APPROACH SLAB / BRIDGE PRE-121-0098 / FORWARD APPROACH SLAB
01/S/STR/13	PRE 121 0207	8+75.00	10+87.28	0.04			0.08					RESURFACING / FULL DEPTH AC PAVEMENT
01/S/STR/13	PRE 121 0207	10+87.28	12+24.82	0.03			0.03			0.06	3	REAR APPROACH SLAB / BRIDGE PRE-121-0207 / FORWARD APPROACH SLAB
01/S/STR/13	PRE 121 0207	12+24.82	15+45.00	0.06			0.12				3	FULL DEPTH AC PAVEMENT / RESURFACING
<b>TOTALS CARRIED TO GENERAL SUMMARY</b>					0.10	0.20	0.06	0.13			6	

GUARDRAIL QUANTITY TABLE  
PRE-121-0098

GUARDRAIL TYPE	BEGIN	END	SIDE	LENGTH
ANCHOR ASSEMBLY, MGS TYPE T	SEE PLAN,	50+78.13,	L	25'-0"
GUARDRAIL, TYPE MGS	SEE PLAN,	51+51.93,	L	125'-0"
BRIDGE TERMINAL ASSEMBLY, TYPE 4, AS PER PLAN	51+51.93,	51+76.93,	L	25'-0"
ANCHOR ASSEMBLY, MGS TYPE E	50+25.00,	50+78.13,	R	53'-1 1/2"
GUARDRAIL, TYPE MGS	50+78.13,	51+15.52,	R	37'-6"
BRIDGE TERMINAL ASSEMBLY, TYPE 4, AS PER PLAN	51+15.52,	51+40.52,	R	25'-0"
BRIDGE TERMINAL ASSEMBLY, TYPE 4, AS PER PLAN	53+10.52,	53+35.52,	L	25'-0"
GUARDRAIL, TYPE MGS	53+35.52,	54+98.02,	L	162'-6"
ANCHOR ASSEMBLY, MGS TYPE E	54+98.02,	55+51.15,	L	53'-1 1/2"
BRIDGE TERMINAL ASSEMBLY, TYPE 4, AS PER PLAN	52+95.10,	53+20.10,	R	25'-0"
GUARDRAIL, TYPE MGS	53+20.10,	53+70.10,	R	50'-0"
ANCHOR ASSEMBLY, MGS TYPE E	53+70.10,	54+23.23,	R	53'-1 1/2"

GUARDRAIL QUANTITY TABLE  
PRE-121-0207

GUARDRAIL TYPE	BEGIN	END	SIDE	LENGTH
ANCHOR ASSEMBLY, MGS TYPE E	8+64.02,	9+17.15,	L	53'-1 1/2"
GUARDRAIL, TYPE MGS	9+17.15,	10+67.15,	L	150'-0"
BRIDGE TERMINAL ASSEMBLY, TYPE TST	10+67.15,	10+92.15,	L	25'-0"
ANCHOR ASSEMBLY, MGS TYPE E	9+19.34,	9+72.47,	R	53'-1 1/2"
GUARDRAIL, TYPE MGS	9+72.47,	10+91.22,	R	118'-9"
BRIDGE TERMINAL ASSEMBLY, TYPE TST	10+91.22,	11+16.22,	R	25'-0"
BRIDGE TERMINAL ASSEMBLY, TYPE TST	11+95.74,	12+20.74,	L	25'-0"
GUARDRAIL, TYPE MGS	12+20.74,	12+70.74,	L	50'-0"
ANCHOR ASSEMBLY, MGS TYPE E	12+70.74,	13+23.87,	L	53'-1 1/2"
BRIDGE TERMINAL ASSEMBLY, TYPE TST	12+19.79,	12+44.79,	R	25'-0"
GUARDRAIL, TYPE MGS	12+44.79,	13+76.04,	R	131'-3"
ANCHOR ASSEMBLY, MGS TYPE E	13+76.04,	14+29.17,	R	53'-1 1/2"

**STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS**

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWING(S):

EX-1-4-87	DATED/REVISED	7/15/22
PCB-91	DATED/REVISED	7/17/20
DBR-3-11	DATED/REVISED	7/15/11
DS-1-92	DATED/REVISED	7/18/03
GSD-1-19	DATED/REVISED	1/15/21

AND TO THE FOLLOWING SUPPLEMENTAL SPECIFICATIONS

800	DATED 4/21/2023
848	DATED 1/15/2021

**DESIGN SPECIFICATIONS**

THIS STRUCTURE CONFORMS TO THE 9th EDITION OF THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2020 AND THE ODOT BRIDGE DESIGN MANUAL, 2020.

**DESIGN LOADING**

DESIGN LOADING INCLUDES:  
VEHICULAR LIVE LOAD: HS20-44 & ALT. MILITARY LOADING

**DESIGN DATA**

CONCRETE CLASS QC2  
-COMPRESSIVE STRENGTH 4.5 KSI (SUPERSTRUCTURE)

**DECK PROTECTION METHOD**

GALVANIZED STEEL REINFORCEMENT  
2½" CONCRETE COVER  
STEEL DRIP STRIP  
SEALING OF CONCRETE SURFACES

**ITEM 202 - PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN**

THIS WORK CONSISTS OF THE PARTIAL REMOVAL OF CONCRETE DECKS, AS WELL AS THE REMOVAL OF DECK JOINTS, EXISTING END CROSS FRAMES, THE PROVISIONS OF ITEM 202 APPLY EXCEPT AS SPECIFIED BY THE FOLLOWING NOTES. GRIND WELD REMNANTS FLUSH WITH THE SURROUNDING SURFACE AFTER WELD ATTACHMENTS (e.g. COMPRESSION SEAL RETAINERS AND END CROSSFRAMES) ARE REMOVED. PERFORM WORK CAREFULLY DURING DECK REMOVALS TO PROTECT PORTIONS OF SUCH SYSTEMS THAT ARE TO BE SALVAGED AND INCORPORATED INTO THE PROPOSED STRUCTURE (BEAMS, GIRDERS, SHEAR STUDS, PARAPET REINFORCING STEEL, ETC.) HEADACHE BALLS AN/OR HOW RAM TYPE OF EQUIPMENT IS PROHIBITED. TO ENSURE THE PROTECTION OF PUBLIC WELFARE, OR LIFE, HEALTH OR PROPERTY THE CONTRACTOR SHALL SUBMIT ENGINEERED DRAWINGS TO THE ENGINEER FOR APPROVAL PER 501.05B.

PROTECTION OF STEEL SUPPORT SYSTEMS: BEFORE DECK SLAB CUTTING IS PERMITTED, DRAW THE OUTLINE OF THE PRIMARY STEEL MEMBERS IN CONTACT WITH THE BOTTOM OF THE DECK ON THE SURFACE OF THE DECK. DRILL SMALL DIAMETER PILOT HOLES 2 INCHES OUTSIDE THESE LINES TO CONFIRM THE LOCATION OF FLANGE EDGES. DECK CUTS OVER OR WITHIN 2 INCHES OF FLANGE EDGES SHALL NOT EXTEND LOWER THAN THE BOTTOM LAYER OF DECK SLAB REINFORCING STEEL. CUTS MADE OUTSIDE 2 INCHES OF FLANGE EDGES MAY EXTEND THE FULL DEPTH OF THE DECK. REPLACE OR REPAIR STEEL MEMBERS DAMAGED BY THE DECK SLAB CUTTING OPERATIONS AT NO COST TO THE PROJECT. AT LEAST 7 DAYS BEFORE PERFORMING REPAIR WORK, SUBMIT A PROPOSED REPAIR PLAN, DEVELOPED BY AN OHIO REGISTERED PROFESSIONAL ENGINEER TO THE ENGINEER. THE ENGINEERS APPROVAL SHALL BE OBTAINED BEFORE PERFORMING THE REPAIR.

REMOVAL METHODS: THE CONTRACTOR MAY REMOVE CONCRETE BY CUTTING AND BY MEANS OF HAND OPERATED PNEUMATIC HAMMERS EMPLOYING POINTED OR BLUNTED CHISEL TYPE TOOLS. FOR REMOVALS OVER STRUCTURAL MEMBERS, THE CONTRACTOR MAY USE A HAMMER HEAVIER THAN 35 POUNDS BUT NOT EXCEED 90 POUNDS UNLESS APPROVED BY THE ENGINEER. REMOVAL METHODS OVER STRUCTURAL MEMBERS SHALL ENSURE ADEQUATE DEPTH CONTROL AND PREVENT NICKING OR GOUGING THE PRIMARY STRUCTURAL MEMBERS.

THE CONTRACTOR MUST REVIEW THE STRUCTURE WHEN PREPARING HIS BID. THE CONTRACTOR WILL REVIEW THE CONDITION OF THE STRUCTURE TO DETERMINE WHAT DEBRIS WILL FALL FROM THE STRUCTURE DURING REMOVAL. THE CONTRACTOR WILL DETERMINE THE CORRESPONDING COST TO CLEAN UP ANY AND ALL DEBRIS DURING REMOVAL OPERATIONS. THE COST TO CLEAN AND CLEAN UP ALL DEBRIS DURING REMOVAL SHALL BE INCLUDED WITH THE BID FOR THIS ITEM OF WORK. NO ADDITIONAL COST WILL BE RECOGNIZED TO CLEAN DEBRIS RESULTING FROM THE STRUCTURE REMOVAL OPERATION.

REMOVALS OF EXISTING CROSSFRAMES: FLAME OR SAW CUT THE EXISTING MEMBERS TO WITHIN ½" OF THE EXISTING MAIN MATERIAL USING A MECHANICAL GUIDE ACCORDING TO C&MS 513.12. PROVIDE SHEILDING IF NECESSARY TO PREVENT DAMAGE TO MAIN OR SECONDARY MATERIALS THAT REMAIN. GRIND THE EXISTING MAIN OR SECONDARY MEMBER SMOOTH IN PREPARATION FOR COMPLETE PENETRATION OR FILLET WELDING. PROVIDE A SURFACE FINISH ACCORDING TO ANSI B46.1 OF 250 MIL.

MEASUREMENT & PAYMENT: THE DEPARTMENT WILL MEASURE THE QUANTITY OF REMOVALS ON A LUMP SUM BASIS. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES OF REMOVALS AT THE CONTRACT PRICE FOR ITEM 202 - PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN.

**EXISTING STRUCTURE VERIFICATION**

EXISTING STRUCTURE VERIFICATION: DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. BEFORE ORDERING MATERIALS EXISTING DIMENSIONS SHALL BE FIELD VERIFIED AS REQUIRED TO ACCURATELY JOIN THE PROPOSED ELEMENTS WITH THE EXISTING STRUCTURE. PAYMENT FOR THE FIELD VERIFICATION SHALL BE COMPENSATED UNDER THE RESPECTIVE PAY ITEM FOR THAT WORK. THE CONTRACTOR IS REFERRED TO CMS SECTIONS 102.05, 105.02 AND 513.04.

BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS WHICH HAVE BEEN VERIFIED IN THE FIELD.

**ITEM 509 - CONCRETE REINFORCEMENT, REPLACEMENT OF EXISTING CONCRETE REINFORCEMENT, AS PER PLAN**

REPLACE ALL EXISTING REINFORCING BARS DEEMED BY THE ENGINEER TO BE UNUSABLE BECAUSE OF CORROSION. THE DEPARTMENT WILL MEASURE THE REPLACEMENT REINFORCING STEEL BY THE NUMBER OF POUNDS ACCEPTED IN PLACE. REPLACE ALL EXISTING REINFORCING STEEL BARS WHICH ARE TO BE INCORPORATED INTO THE NEW WORK AND ARE DEEMED BY THE ENGINEER TO BE MADE UNUSABLE BY CONCRETE REMOVAL OPERATIONS WITH NEW REINFORCING STEEL OF THE SAME SIZE AND COATING AT NO COST TO THE DEPARTMENT.

ADDITIONAL QUANTITIES HAVE BEEN PROVIDED FOR DOWEL HOLES, IF NEEDED, TO EMBED THE REPLACEMENT REINFORCING INTO THE EXISTING STRUCTURE. PAYMENT FOR DOWEL HOLES SHALL BE MADE AT THE BID UNIT PRICE FOR ITEM 510 DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT.

**ITEM 519 - PATCHING CONCRETE STRUCTURES, AS PER PLAN**

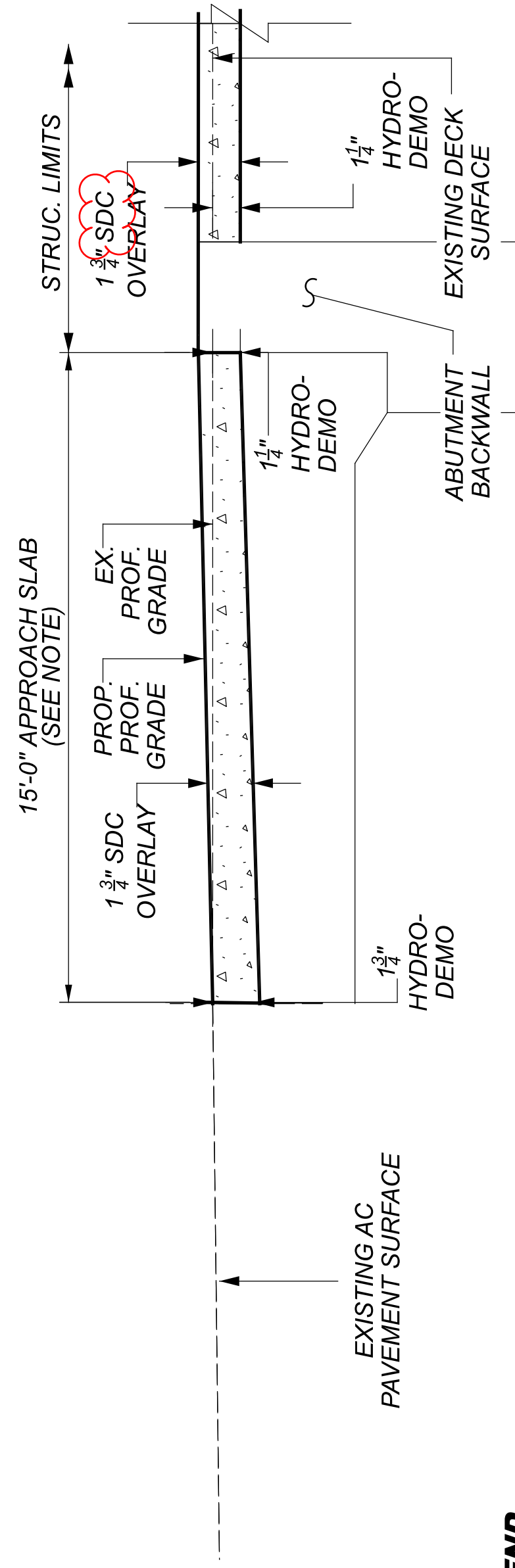
PATCHING LOCATIONS AND AREAS SHOWN IN THE PLANS ARE APPROXIMATE. PATCHING QUANTITIES CARRIED TO THE ESTIMATED QUANTITIES HAVE BEEN INCREASED BY 50% TO ACCOUNT FOR ADDITIONAL AREAS REQUIRING PATCHING THAT MAY HAVE DEVELOPED SINCE THE MOST RECENT INSPECTION. THE CONTRACTOR SHALL SOUND THE SURROUNDING PERIMETER OF THE AREA TO BE PATCHED AND PATCH NEW AREAS APPROVED BY THE ENGINEER THAT HAVE NOT BEEN DETAILED IN THE PLANS.

PRIOR TO THE SURFACE CLEANING SPECIFIED IN C&MS 519.04 AND WITHIN 24 HOURS OF PLACING PATCHING MATERIAL, BLAST CLEAN ALL SURFACES TO BE PATCHED INCLUDING THE EXPOSED REINFORCING STEEL. ACCEPTABLE METHODS INCLUDE: HIGH-PRESSURE WATER BLASTING WITH, OR WITHOUT, ABRASIVES IN THE WATER, ABRASIVE BLASTING WITH CONTAINMENT OR VACUUM ABRASIVE BLASTING.

MEASUREMENT AND PAYMENT: THE PLAN QUANTITIES INCLUDE AN INCREASE OF THE FIELD MEASURED QUANTITIES. THE ACCEPTED QUANTITIES FOR THE COMPLETED WORK AS DESCRIBED WILL BE MEASURED AND PAID BY ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN.

**PROPOSED WORK**

1. REMOVE 1.25" OF THE EXISTING DECK AND APPROACH SLAB USING HYDRODEMOLITION. CONSTRUCT 1.75" SUPERPLASTICIZED DENSE CONCRETE OVERLAY ON THE DECK AND APPROACH SLABS.
2. REPLACE EXISTING EXPANSION JOINTS, THE TOP OF THE BACKWALL DOWN TO THE APPROACH SLAB SEATS, AND THE LAST 4 FEET OF THE DECK.
3. RETROFIT EXISTING BRIDGE RAILING PER STANDARD DRAWING DBR-3-11.
4. PATCH THE EXISTING SUBSTRUCTURE.
5. PAINT STRUCTURAL STEEL TO MATCH EXISTING COLOR
6. SEAL DECK EDGES, ABUTMENTS, AND 4 FEET OF THE PIER ENDS WITH EPOXY URETHANE SEALER, FEDERAL COLOR 17778.
7. REPLACE THE APPROACH GUARDRAIL, BRIDGE TERMINAL ASSEMBLIES, AND END TERMINAL ASSEMBLIES.



**LEGEND**

- SUPERPLASTICIZED DENSE CONCRETE OVERLAY

**NOTE**

VARY DEPTH OF HYDRO-DEMOLITION FROM 1.75" AT THE APPROACH PAVEMENT END TO 1.25" AT THE BRIDGE END

**STRUCTURE GENERAL NOTES**

BRIDGE No.: PRF-121-0098  
STATE ROUTE 121 OVER EAST FORK WHITEWATER RIVER

SFN 6801676  
DESIGN AGENCY



DESIGNER	CHECKER
GTF	AS
REVIEWER	
CAH	03/28/23
PROJECT ID	100818
SUBSET	TOTAL
2	11
SHEET	TOTAL
24	53

**PRE-121-0098 TRANSITION DETAIL  
(TYPICAL REAR & FWD. APPROACH SLAB)**

**ESTIMATED QUANTITIES - STRUCTURE No.: PRE-121-0207 (01/STR/13 FUNDING SPLIT)**

ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	ABUT. LUMP	PIERS LUMP	SUPER. LUMP	GEN. LUMP	SEE SHEET
202	11203	LS	LS	PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN					36
202	22900	178	SY	APPROACH SLAB REMOVED				178	
202	23500	616	SY	WEARING COURSE REMOVED			438	178	
503	11100	LS	LS	COFFERDAMS AND EXCAVATION BRACING				LUMP	
503	21300	LS	LS	UNCLASSIFIED EXCAVATION					
509	26000	103874	LB	GALVANIZED STEEL REINFORCEMENT	4874	1681	97319		
510	10001	248	EACH	DOWEL HOLES WITH NON-SHRINK, NON-METALLIC GROUT, AS PER PLAN	248				36
511	33313	346	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE, AS PER PLAN	2	15	329		36
511	45712	34	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT	34				
511	81200	LS	LS	CONCRETE MISC.: CONSULTANT FOR CONCRETE QUALITY CONTROL INCLUDING TESTING AND INSPECTION	LUMP	LUMP	LUMP		3
512	10100	163	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	90	15	58		
512	33000	2	SY	TYPE 2 WATERPROOFING	2				
514	00050	102	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL		102			
514	00056	102	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT		102			
516	13200	62	SF	½" PREFORMED EXPANSION JOINT FILLER	62				
516	13600	83	SF	1" PREFORMED EXPANSION JOINT FILLER	83				
516	14014	93	FT	INTEGRAL-ABUTMENT EXPANSION JOINT SEAL	93				
517	70100	196	FT	RAILING (THREE STEEL TUBE BRIDGE RAILING)			196		
518	21200	47	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	47				
SPECIAL	51822300	249	FT	STEEL DRIP STRIP			249		
518	40000	125	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	125				
518	40010	25	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	25				
526	15000	178	SY	REINFORCED CONCRETE APPROACH SLABS (T=13")				178	
526	90010	93	FT	TYPE A INSTALLATION				93	
846	00110	39	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM				39	

**STRUCTURE ESTIMATED QUANTITIES**

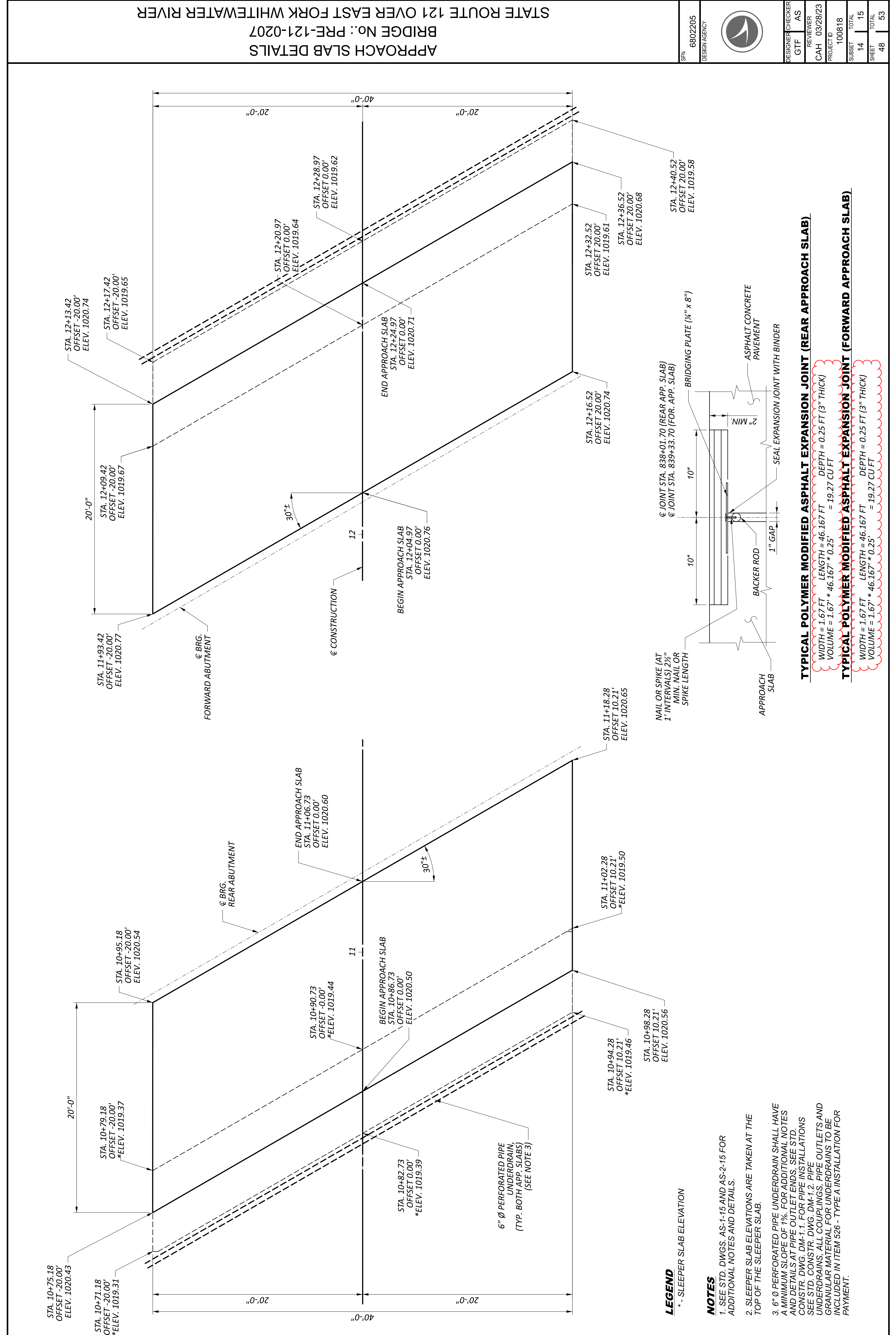
BRIDGE No.: PRE-121-0207

STATE ROUTE 121 OVER EAST FORK WHITEWATER RIVER

SFN 6802205  
 DESIGN AGENCY



DESIGNER	CHECKER
GTF	AS
REVIEWER	
CAH	03/28/23
PROJECT ID	100818
SUBSET	TOTAL
3	15
SHEET	TOTAL
37	53



DESIGNER	GTF	AS
CHECKER	REVIEWER	CAH
DATE	03/28/23	
PROJECT ID	100818	
SUBSET	TOTAL	
14	15	
SHEET	TOTAL	
48	53	