

**EXISTING PLANS**

EXISTING PLANS FOR BRIDGE NO. COS-60-7.63 MAY BE INSPECTED IN THE BIDDING DOCUMENTS FOR THIS PROJECT.

**GENERAL PROVISIONS**

THE CONTRACTOR'S ATTENTION IS CALLED TO ALL OF SECTION 100 OF THE CONSTRUCTION AND MATERIAL SPECIFICATIONS OF THE OHIO DEPARTMENT OF TRANSPORTATION.

**CONTINGENCY QUANTITIES**

THE CONTRACTOR SHALL NOT ORDER MATERIALS OR PERFORM WORK FOR ITEMS DESIGNATED BY PLAN NOTE TO BE USED "AS DIRECTED BY THE ENGINEER" UNLESS AUTHORIZED BY THE ENGINEER. THE ACTUAL WORK LOCATIONS AND QUANTITIES USED FOR SUCH ITEMS SHALL BE INCORPORATED INTO THE FINAL CHANGE ORDER GOVERNING COMPLETION OF THE PROJECT.

**MOBILIZATION**

THE CONTRACTOR SHALL ON ANY CONTRACT FOR WHICH HIS BID EXCEEDS \$50,000.00 INCLUDE AN AMOUNT TO COVER ANY APPLICABLE EXPENDITURES REFERRED TO UNDER ITEM 624 OF THE 2019 CONSTRUCTION AND MATERIAL SPECIFICATIONS. PAYMENT SHALL BE THE LUMP SUM BID PRICE FOR ITEM 624, MOBILIZATION.

**CONSTRUCTION NOTIFICATION**

THE CONTRACTOR WILL ADVISE THE PROJECT ENGINEER A MINIMUM OF TWENTY ONE (21) DAYS PRIOR TO THE FOLLOWING: THE START OF CONSTRUCTION ACTIVITIES, LANE RESTRICTIONS, LANE CLOSURES, AND/OR ROAD CLOSURES. THE PROJECT ENGINEER WILL FORWARD THIS INFORMATION TO THE FOLLOWING:

DISTRICT PUBLIC INFORMATION OFFICER (PIO) BY FAX AT 614-887-4510 OR EMAIL AT D05.PIO@DOT.OHIO.GOV

DISTRICT PERMIT SECTION BY FAX AT 614-887-4525 OR EMAIL AT BRIAN.BOSCH@DOT.OHIO.GOV

CENTRAL OFFICE SPECIAL HAUL PERMITS SECTION BY FAX AT 614-728-4099 OR EMAIL AT HAULING.PERMIT@DOT.OHIO.GOV

THE PIO WILL, IN TURN, NOTIFY THE PUBLIC, THE LOCAL EMERGENCY SERVICES, AFFECTED SCHOOLS AND BUSINESSES, AND ANY OTHER IMPACTED LOCAL PUBLIC AGENCY OF ANY OF THE ABOVE MENTIONED ITEMS, VIA MEDIA SOURCES.

**WORK LIMITS**

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

**ELEVATION DATUM**

ALL ELEVATIONS ARE ORTHOMETRIC HEIGHTS USING THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) AND THE GEOID03 GEOID. THE HORIZONTAL POSITIONS ARE BASED ON THE OHIO STATE PLANE SOUTH ZONE, A LAMBERT CONFORMAL CONIC MAP PROJECTION, SYSTEM OF 2007 (NAD 83 (NSRS 2007)), AND THE GRS80 ELLIPSOID.

**REMOVED MATERIALS**

ALL REMOVED MATERIALS EXCEPT AS NOTED ELSEWHERE IN THE PLANS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED BY THE CONTRACTOR FROM THE JOB SITE.

**LOCATION OF GUARDRAIL**

THE LOCATIONS OF THE GUARDRAIL RUNS, AS SHOWN IN THESE PLANS ARE SUBJECT TO ADJUSTMENTS PRIOR TO FINAL ACCEPTANCE. THE ENGINEER SHALL BE SATISFIED THAT ALL INSTALLATION WILL AFFORD MAXIMUM PROTECTION FOR TRAFFIC.

**ITEM 209 RESHAPING UNDER GUARDRAIL**

ITEM 209 RESHAPING UNDER GUARDRAIL INCLUDES RESHAPING UNDER BOTH EXISTING AND PROPOSED GUARDRAIL ON BOTH SIDES OF THE ROAD FROM STA. 109+00 TO STA. 111+60. A QUANTITY OF 3.2 STA. HAS BEEN CARRIED TO THE GENERAL SUMMARY.

**ITEM 209 BORROW**

50 CY OF ITEM 209 BORROW IS CARRIED TO THE GENERAL SUMMARY FOR THE PURPOSE OF CONSTRUCTING ITEM 209 RESHAPING UNDER GUARDRAIL.

**CONTRACTOR COORDINATION AND DELAYED START**

THE CONTRACTOR FOR THIS PROJECT SHALL COORDINATE WITH THE CONTRACTOR FOR PAVEMENT REPLACEMENT PROJECT COS-16-0.82 (PID 95464, PROJECT NUMBER 213004). COS-16 IS ANTICIPATED TO BE DETOURED USING COS-60 FOR THE ENTIRETY OF CONSTRUCTION SEASON 2023, THEREFORE THIS BRIDGE REPLACEMENT PROJECT MAY NOT BEGIN CONSTRUCTION UNTIL THE START OF **JUNE 01, 2024**.

**UTILITY OWNERSHIP**

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

THE FRONTIER POWER CO.  
770 SOUTH SECOND STREET  
P.O. BOX 280  
COSHOCTON, OHIO 43812  
ATTN: KYLE CRAMBLETT  
740-622-6755  
KCRAMBLETT@FRONTIER-POWER.COM

COLUMBIA GAS OF OHIO  
98 STEUBENVILLE AVE  
CAMBRIDGE, OH 43725  
ATTN: CHRIS DENNIS  
740-509-1836  
christopherdennis@nisource.com

FRONTIER COMMUNICATIONS  
241 SOUTH NELSON AVE.  
WILMINGTON, OHIO 45177  
ATTN: CRAIG OMEN  
740-541-2488  
CRAIG.OMEN@CHARTER.COM

**ITEM 407 - NON-TRACKING TACK COAT**

THE RATE OF APPLICATION OF ITEM 407, NON-TRACKING TACK COAT SHALL BE SUBJECT TO ADJUSTMENT AS DIRECTED BY THE ENGINEER. PLAN QUANTITIES INDICATE AND AVERAGE APPLICATION RATE OF 0.06 GAL./S.Y. PLACED PRIOR TO SURFACE COURSE AND 0.09 GAL./S.Y. PLACED PRIOR TO INTERMEDIATE COURSE, FOR ESTIMATING PURPOSES ONLY.

**ITEM 621 RAISED PAVEMENT MARKER REMOVED**

WITHIN THE LIMITS OF THIS PROJECT THERE ARE 7 RAISED PAVEMENT MARKERS TO BE REMOVED.

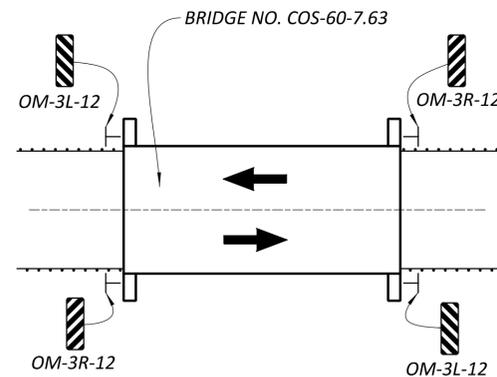
**ITEM 630 GROUND MOUNTED SUPPORT, NO. 3 POST, AS PER PLAN & ITEM 630 SIGN, FLAT SHEET**

THE CONTRACTOR SHALL INSTALL OM-3L & OM-3R (36"x12") SIGNS AT ALL FOUR (4) WINGWALLS OF THE BRIDGE. SIGNS SHALL BE INSTALLED 1'-0" BEHIND THE GUARDRAIL POST AND BRIDGE WINGWALL. THE BOTTOM OF GROUND MOUNTED SIGN SHALL BE 5'-0" ABOVE PAVEMENT. USE TYPE S POSTS WITH ANCHOR BASES AT ALL CORNERS.

THE FOLLOWING ITEMS HAVE BEEN CARRIED TO THE GENERAL SUMMARY TO INSTALL THE SIGNS:

ITEM 630 - GROUND MOUNTED SUPPORT, NO. 3 POST, AS PER PLAN .....48.0 FT.

ITEM 630 - SIGN, FLAT SHEET.....12.0 SF.



**ITEM 623 CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN**

IN ADDITION TO THE REQUIREMENTS OF ITEM 623 CONSTRUCTION LAYOUT STAKES AND SURVEYING, THE CONTRACTOR SHALL PROVIDE THE FOLLOWING INFORMATION TO THE DEPARTMENT:

THE CONTRACTOR SHALL PROVIDE AS-BUILT DATA FOR THE SPECIFIED COMPLETED CONSTRUCTION ITEMS IN OHIO STATE PLANE COORDINATES (GRID). THE CONSTRUCTION ITEMS SHALL BE LOCATED AS PER THE SURVEY FEATURE CODE LIST FOUND ON THE OHIO DEPARTMENT OF TRANSPORTATION OFFICE OF CADD & MAPPING SERVICES WEBSITE. AN EMAIL CONTAINING A COMMA DELIMITED ASCII FILE AND A SURVEYOR'S CERTIFICATION SHALL BE DELIVERED TO Cody.Gierhart@dot.ohio.gov AFTER ALL INFORMATION HAS BEEN COLLECTED. THE ASCII FILE SHALL INCLUDE A HEADER CONTAINING NAME OF SURVEYOR, DATE(S) OF COLLECTION, HORIZONTAL DATUM (I.E. NAD83 (2011), OHIO STATE PLANE COORDINATE SYSTEM NORTH OR SOUTH), VERTICAL DATUM (I.E. NAVD 88, GEOID12A) AND METHOD OF COLLECTION (I.E. OHIO VRS, GPS RTK, TOTAL STATION, ETC.) AND BE IN A TABLE FORM AS FOLLOWS:  
POINT NUMBER, NORTHING, EASTING, ELEVATION, FEATURE CODE, DESCRIPTION

BELOW IS A LIST OF THE ITEMS THE CONTRACTOR IS REQUIRED TO PROVIDE.

- GUARDRAIL AND CABLE BARRIER
- SIGNS

THE ABOVE ITEMS SHALL BE COLLECTED USING SURVEY GRADE EQUIPMENT MEETING THE REQUIREMENTS OF SECTION 400 IN THE OHIO DEPARTMENT OF TRANSPORTATION SURVEY & MAPPING SPECIFICATIONS MANUAL.

ALL COST ASSOCIATED WITH OBTAINING THE INFORMATION LISTED ABOVE SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 623 CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN.

IN ADDITION TO THE ABOVE REQUIREMENTS, THE LOCATIONS OF ALL PROPOSED GUARDRAIL INSTALLATIONS SHALL BE STAKED BY THE CONTRACTOR PRIOR TO INSTALLATION ON THIS PROJECT. THE CONTRACTOR IS REQUIRED TO STAKE EACH LOCATION TO INDICATE THE BEGINNING AND END OF THE PROPOSED GUARDRAIL RUN. THIS WILL ALSO INCLUDE INDICATING THE TYPE OF END TREATMENT TO BE INSTALLED AT EACH LOCATION. THE CONTRACTOR SHALL STAKE EACH LOCATION AT LEAST TWO (2) DAYS PRIOR TO INSTALLATION.

BEFORE GIVING THE CONTRACTOR FINAL APPROVAL TO INSTALL THE RUN OF GUARDRAIL, THE PROJECT ENGINEER MAY ADJUST THE LOCATION AS STAKED TO PROVIDE THE MAXIMUM PROTECTION FOR THE TRAVELING PUBLIC. NO GUARDRAIL WILL BE INSTALLED UNTIL THE PROJECT ENGINEER GIVES THE CONTRACTOR APPROVAL FOR EACH LOCATION.

PAYMENT FOR STAKING WILL INCLUDE ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO PERFORM THE WORK AS DESCRIBED ABOVE AND WILL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 623 CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN.

THE FOLLOWING QUANTITY HAS BEEN INCLUDED IN THE GENERAL SUMMARY TO PERFORM THE WORK AS DESCRIBED ABOVE.

ITEM 623 CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN LUMP

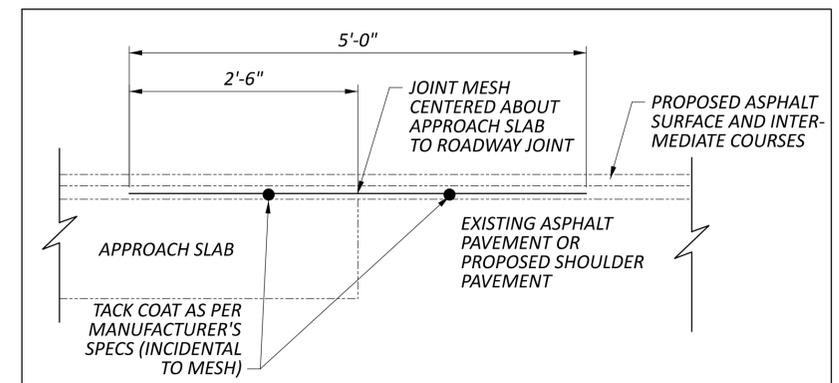
**ITEM SPECIAL - REINFORCED MESH FOR TRANSVERSE AND/OR LONGITUDINAL JOINTS AND CRACKS**

THIS ITEM SHALL BE USED TO REINFORCE TRANSVERSE JOINTS. PLACE REINFORCING MESH ON PROPOSED SURFACE 5.0' WIDE, CENTERED OVER THE JOINT CREATED AT THE INTERFACE BETWEEN APPROACH SLAB AND EXISTING PAVEMENT. REINFORCING MATERIAL SHALL BE GLASGRID CG200 OR EQUIVALENT AND SHALL BE PLACED ACCORDING TO MANUFACTURER'S SPECIFICATIONS AND THIS NOTE.

ALL MATERIALS, LABOR, EQUIPMENT, TOOLS, TRAFFIC CONTROL AND INCIDENTALS NEEDED TO COMPLETE THE WORK DESCRIBED ABOVE SHALL BE INCLUDED FOR PAYMENT IN THE UNIT PRICE BID FOR ITEM SPECIAL - REINFORCED MESH FOR TRANSVERSE AND/OR LONGITUDINAL JOINTS AND CRACKS.

ITEM 690 SPECIAL - REINFORCED MESH FOR TRANSVERSE AND/OR LONGITUDINAL JOINTS AND CRACKS

QUANTITY CARRIED TO BRIDGE SUMMARY:  
32.50' x 5' wide / 9 = 18.1 SQ.YD. (@ STA. 109+75.54)  
32.50' x 5' wide / 9 = 18.1 SQ.YD. (@ STA. 110+88.54)  
TOTAL = 36.2 SQ.YD.



SUPER.	ABUT.	PIER	GENERAL	PARTICIPATION		ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
				01/STR/14							
										STRUCTURE OVER 20 FOOT SPAN (BRIDGE NO. COS-60-0763)	
	39			39		202	11301	39	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN, SUBSTRUCTURE	2/13
14				14		202	11301	14	CY	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN, SUPERSTRUCTURE	2/13
140				140		202	98200	140	FT	REMOVAL MISC. STEEL DRIP STRIP	
			LS	LS		503	11100	LS		COFFERDAMS AND EXCAVATION BRACING	
			LS	LS		503	21301	LS		UNCLASSIFIED EXCAVATION, AS PER PLAN	2/13
5,026	4,668			9,694		509	26000	9,694	LB	GALVANIZED STEEL REINFORCING	
20				20		511	34446	20	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK	
	16			16		511	44110	16	CY	CLASS QC1 CONCRETE, ABUTMENT NOT INCLUDING FOOTING	
	31			31		511	46510	31	CY	CLASS QC1 CONCRETE, FOOTING	
	26			26		512	10050	26	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	
	49			49		516	13201	49	SF	1/2" PREFORMED EXPANSION JOINT SEALER, AS PER PLAN	2/13
	43			43		516	13601	43	SF	1" PREFORMED EXPANSION JOINT SEALER, AS PER PLAN	2/13
	40			40		516	13901	40	SF	2" PREFORMED EXPANSION JOINT SEALER, AS PER PLAN	2/13
	72			72		516	14014	72	FT	INTEGRAL ABUTMENT EXPANSION JOINT SEAL	
			65	65		516	31011	65	FT	2" DEEP JOINT SEALER, AS PER PLAN	2/13
162				162		517	75600	162	FT	DEEP BEAM BRIDGE RETROFIT RAILING	
16				16		517	76302	16	EACH	RAILING, MISC.: DEEP BEAM BRIDGE GUARDRAIL TYPE B ANCHORS	11/13
	25			25		518	21200	25	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	
175				175		SPECIAL	51822300	175	CY	SPECIAL- STEEL DRIP STRIP	
	74			74		518	40000	74	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	
	92			92		518	40010	92	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	
		75		75		519	11100	75	SF	PATCHING CONCRETE STRUCTURE	5/13
			145	145		526	15011	145	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=13"), AS PER PLAN	2/13
251				251		847	10201	251	SY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY, AS PER PLAN (1.75" THICKNESS)	2/13
13				13		847	10201	13	SY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY, AS PER PLAN (3.25" THICKNESS)	2/13
3				3		847	20201	3	CY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY, AS PER PLAN	2/13
LS				LS		847	30000	LS		TEST SLAB	
5				5		847	30200	5	CY	FULL-DEPTH REPAIR	
38				38		847	50000	38	SY	HAND CHIPPING	

BRIDGE SUMMARY  
 BRIDGE NO. COS-60-0763  
 OVER LITTLE WAKATOMIKA CREEK

SFN	1600818
DESIGN AGENCY	
DESIGNER	ELJ
CHECKER	JKS
REVIEWER	TAG
PROJECT ID	96004
SUBSET	3
TOTAL	13
SHEET	P.26
TOTAL	36