



┆ SINGLE POST SIGN
 X TYPE III BARRICADE (PORTABLE)

DETOUR PLAN
 WAYNESVILLE RD.

WAR-71-1.69/11.04/13.71

MODEL: Sheet PAPER: 17x11 (in.) DATE: 3/14/2023 TIME: 2:24:20 PM USER: gantonios
 P3_OHDOT_Worksets\102726\400-Engineering\Structures\SFN_8301778\Sheets\102726_SFN_8301778_S0001.dgn

MADE BY: MRV		DATE: 1/1/2022		ESTIMATED QUANTITIES							STRUCTURAL FILE NUMBER: 8301778	
CHECKED BY: BCW		DATE: 2/8/2022										
ALT (X)	ITEM	EXTENSION	01/IMS/14	UNIT	DESCRIPTION	ABUT.	PIER	SUPER.	GEN.	REFERENCE SHEET NO.		
	202	11201	LUMP		PORTIONS OF STRUCTURE REMOVED, AS PER PLAN				LUMP	2 OF 34		
	202	98200	638	FT	REMOVAL MISC.: PORTION OF STRUCTURE REMOVED, BULB ANGLE, AS PER PLAN			638		7 OF 34		
	509	10000	10,966	LB	EPOXY COATED REINFORCING STEEL	1,860		9,106				
	509	10001	9,383	LB	EPOXY COATED REINFORCING STEEL, AS PER PLAN			9,383		23 & 26 OF 34		
	509	20001	100	LB	CONCRETE REINFORCEMENT, REPLACEMENT OF EXISTING CONCRETE REINFORCEMENT, AS PER PLAN				100	2 OF 34		
	509	30020	1,715	FT	NO. 4 GFRP DEFORMED BARS			1,715				
	509	30021	3,596	FT	NO. 4 GFRP DEFORMED BARS, AS PER PLAN			3,596		26 OF 34		
	509	40000	4,270	LB	CONCRETE REINFORCEMENT, MISC.: GALVANIZED REINFORCING	1,268		3,002		26 OF 34		
	510	10001	315	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN (5" DOWELS)			315		2 OF 34		
	510	10001	807	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN (6" DOWELS)	47		760		2 OF 34		
	510	10001	291	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN (12" DOWELS)	189			102	2 OF 34		
	511	34444	5	CY	CLASS QC2 CONCRETE, BRIDGE DECK			5				
	511	44110	26	CY	CLASS QC1 CONCRETE, ABUTMENT NOT INCLUDING FOOTING	26						
	511	51511	11	CY	CLASS QC2 CONCRETE, SIDEWALK, AS PER PLAN				11	25 OF 34		
	511	53014	66	CY	CLASS QC3 CONCRETE, MISC.: LIGHTWEIGHT, SIDEWALK, AS PER PLAN			66		3 OF 34		
	512	10050	262	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	2		226	34			
	512	10300	213	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN			189	24			
	512	74001	458	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES, AS PER PLAN	83	274	101		3 OF 34		
	513	10201	1,440	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN			1,440		3 OF 34		
	513	21001	7	EACH	TRIMMING OF BEAM END, AS PER PLAN			7		7 OF 34		
	514	21001	LUMP		FIELD PAINTING OF DAMAGED STRUCTURAL STEEL, AS PER PLAN			LUMP		4 OF 34		
	514	27800	LUMP		FIELD PAINTING, MISC.: NEW END CROSSFRAMES AND EXISTING ABUTMENT BEARINGS			LUMP		3 OF 34		
	516	11210	64	FT	STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL			64				
	516	13600	38	SF	1" PREFORMED EXPANSION JOINT FILLER			38				
	516	13900	59	SF	2" PREFORMED EXPANSION JOINT FILLER	59						
	517	75123	319	FT	RAILING (CONCRETE PARAPET WITH TWIN STEEL TUBE RAILING AND VANDAL PROTECTION FENCE), AS PER PLAN			319		23 OF 34		
	518	12001	7	EACH	SCUPPERS, INCLUDING SUPPORTS, AS PER PLAN			7		19 OF 34		
	519	11101	36	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	27	9			4 OF 34		
	526	25001	54	SY	REINFORCED CONCRETE APPROACH SLABS (T=15"), AS PER PLAN				54	30 OF 34		
	607	39901	316	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC, AS PER PLAN			316		4 OF 34		
	607	39931	317	FT	VANDAL PROTECTION FENCE, 12' CURVED, COATED FABRIC, AS PER PLAN			317		4 OF 34		
	625	25502	738	FT	CONDUIT, 3", 725.05	40		648	50			
	625	29900	8	EACH	JUNCTION BOX			8				
	625	33000	1	EACH	STRUCTURE GROUNDING SYSTEM				1			
	847	10200	69	SY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (1 3/4" THICK)			69				
	847	20200	2	CY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY			2				
	847	30000	LUMP		TEST SLAB			LUMP				
	847	30200	1	CY	FULL DEPTH REPAIR			1				
	847	30400	105	SY	EXISTING CONCRETE OVERLAY REMOVED (1/4" NOMINAL THICKNESS)			105				
	847	50000	7	SY	HAND CHIPPING			7				
STRUCTURES OVER 20' ALTERNATES												
X	511	34461	97	CY	CLASS QC SCC CONCRETE, BRIDGE DECK (PARAPET), AS PER PLAN (GENERIC) (ALTERNATE 1)			86	11	24 & 27 OF 34		
X	511	71200	1,457	SF	CONCRETE, MISC.: FORMLINER (GENERIC) (ALTERNATE 1)	12		1,325	120	3 OF 34		
X	512	10101	1,313	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN (LIGHT NUETRAL) (GENERIC) (ALTERNATE 1)	129	274	848	62	3 OF 34		
X	511	34461	100	CY	CLASS QC SCC CONCRETE, BRIDGE DECK (PARAPET), AS PER PLAN (LETTERING ENHANCED) (ALTERNATE 2)			89	11	24 & 27 OF 34		
X	511	71200	1,082	SF	CONCRETE, MISC.: FORMLINER (LETTERING ENHANCED) (ALTERNATE 2)	12		950	120	3 OF 34		
X	511	81300	1	EACH	CONCRETE, MISC.: AESTHETIC TEST PANEL (LETTERING ENHANCED) (ALTERNATE 2)			1		2 OF 34		
X	512	10101	1,306	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN (LIGHT NUETRAL) (LETTERING ENHANCED) (ALTERNATE 2)	129	274	841	62	3 OF 34		
X	512	10101	7	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN (BLACK) (LETTERING ENHANCED) (ALTERNATE 2)			7		3 OF 34		
X	SPECIAL	53000200	LUMP		STRUCTURES: AESTHETIC LETTERING (LETTERING ENHANCED) (ALTERNATE 2)				LUMP	4 OF 34		

ESTIMATED QUANTITIES
 BRIDGE NO. WAR-71-01.69
 IRWIN SIMPSON ROAD OVER IR-71

SFN 8301778
 DESIGN AGENCY

E.L. ROBINSON
 ENGINEERING
 1488 West 9th St, Suite 800
 Cleveland, Ohio 44115
 950 Goshope Blvd, Suite 160
 Grandview Heights, Ohio 44131
 DESIGNER: MV
 CHECKER: DFT
 REVIEWER: MT
 DATE: 01/28/22
 PROJECT ID: 102726
 SUBSET TOTAL: 5 | 34
 SHEET TOTAL: 31 | 108

CALCULATED BY: MRV		DATE: 12/13/2021		ESTIMATED QUANTITIES					STRUCTURAL FILE NUMBER: 8302162	
CHECKED BY: BCW		DATE: 2/8/2022								
ITEM	EXTENSION	01/IMS/14	UNIT	DESCRIPTION	ABUT.	PIER	SUPER.	GEN.	REFERENCE SHEET NO.	
202	11201	LUMP		PORTIONS OF STRUCTURE REMOVED, AS PER PLAN				LUMP	2 OF 23	
202	98200	567	FT	REMOVAL MISC.: PORTION OF STRUCTURE REMOVED, BULB ANGLE, AS PER PLAN			567		6 OF 23	
509	10000	2,774	LB	EPOXY COATED REINFORCING STEEL	1,818		956			
509	10001	7,479	LB	EPOXY COATED REINFORCING STEEL, AS PER PLAN			7,479		18 OF 23	
509	20001	100	LB	CONCRETE REINFORCEMENT, REPLACEMENT OF EXISTING CONCRETE REINFORCEMENT, AS PER PLAN				100	2 OF 23	
509	30020	3,272	FT	NO. 4 GFRP DEFORMED BARS			3,272			
509	30021	6,417	FT	NO. 4 GFRP DEFORMED BARS, AS PER PLAN			6,417		18 OF 23	
509	40000	6,164	LB	CONCRETE REINFORCEMENT, MISC.: GALVANIZED REINFORCING	1,620		4,544		18 OF 23	
510	10001	1,348	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN (6" DOWEL)	28		1,320		2 OF 23	
510	10001	356	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN (12" DOWEL)	252			104	2 OF 23	
511	34444	8	CY	CLASS QC2 CONCRETE, BRIDGE DECK			8			
511	34449	101	CY	CLASS QC2 CONCRETE, BRIDGE DECK (PARAPET), AS PER PLAN			91	10	3 OF 23	
511	44110	27	CY	CLASS QC1 CONCRETE, ABUTMENT NOT INCLUDING FOOTING	27					
512	10101	1,256	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE), AS PER PLAN (LIGHT NUETRAL)	122	277	801	56	3 OF 23	
512	10300	222	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN			199	23		
512	74001	589	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES, AS PER PLAN	79	277	233		3 OF 23	
513	10201	1,440	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN			1,440		3 OF 23	
513	21001	2	EACH	TRIMMING OF BEAM END, AS PER PLAN			2		7 OF 23	
514	21001	LUMP		FIELD PAINTING OF DAMAGED STRUCTURAL STEEL, AS PER PLAN			LUMP		3 OF 23	
514	27800	LUMP		FIELD PAINTING, MISC.: NEW END CROSSFRAMES AND EXISTING ABUTMENT BEARINGS			LUMP		3 OF 23	
516	11210	62	FT	STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL			62			
516	13600	17	SF	1" PREFORMED EXPANSION JOINT FILLER			17			
516	13900	56	SF	2" PREFORMED EXPANSION JOINT FILLER	56					
519	11101	105	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	59	46			3 OF 23	
526	25001	42	SY	REINFORCED CONCRETE APPROACH SLABS (T=15"), AS PER PLAN				42	20 OF 23	
607	39900	559	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC			559			
625	25502	674	FT	CONDUIT, 3", 725.05	40		584	50		
625	29900	6	EACH	JUNCTION BOX			6			
625	33000	1	EACH	STRUCTURE GROUNDING SYSTEM				1		
847	10200	120	SY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (1 3/4" THICK)			120			
847	20200	3	CY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY			3			
847	30000	LUMP		TEST SLAB			LUMP			
847	30200	1	CY	FULL DEPTH REPAIR			1			
847	50000	12	SY	HAND CHIPPING			12			

WAR-71-1.69/11.04/13.71

MODEL: Sheet PAPER: 17x11 (in.) DATE: 3/14/2023 TIME: 2:23:27 PM USER: gantonios
P:\OHDOT_Worksets\102726\400-Engineering\Structures\SFN_8302162\Sheets\102726_SFN_8302162_S0001.dgn

ESTIMATED QUANTITIES
BRIDGE NO. WAR-71-11.04
STUBBS MILL ROAD OVER IR-71

SFN	8302162
DESIGN AGENCY	
DESIGNER	MV
CHECKER	DFT
REVIEWER	MT
DATE	01/15/22
PROJECT ID	102726
SUBSET	TOTAL
5	23
SHEET	TOTAL
65	108