MAD-71-08.044 Bridge Quantity Calculations

PID: 107630

BG	**Project: MAD/PIC-71-4.56/0.00** **Bridge: MAD-71-08.044** **Client: ODOT District 6** **QUANTITY COMPUTATIONS**	Date: 6/2/21 By: CCJ Checked: RG Date: 7/18/2022

DESCRIPTION: PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN

ITEM NO. 202E11203
QUANTITY 310000
UNIT LUMP

Portions of Structure Removal:

Deck:

Deck Length	=	293	ft	
Deck Width	=	36.83	ft	
Deck area to be removed	=	10791.19	SF	
Cost per 1 SF	=	$23		
Total cost	=	$248,197		

Piers:

Pier volume to be removed	=	128	CY	from existing drawings
Cost per 1 CY	=	$200		
Additional for Steel Piles	=	$0		
Total cost	=	$25,600		

Abutments:

Volume to be removed	=	161	CY	from existing drawings
Cost per 1 CY	=	$200		
Total cost	=	$32,200		

Lump Sum

Lump Sum = $305,997

TOTAL = 310000.00 LUMP

BG	**Project: MAD/PIC-71-4.56/0.00** **Bridge: MAD-71-08.044** **Client: ODOT District 6** **QUANTITY COMPUTATIONS**	Date: 6/2/21 By: CCJ Checked: RG Date: 7/18/2022

DESCRIPTION: APPROACH SLAB REMOVED

ITEM NO. 202E22900
QUANTITY 192
UNIT SY

Forward & Rear Approach Slab

Width of the approach slab	=	34.5	ft
Length of the approach slab	=	25	ft
No of Approach Slabs	=	2	
Volume	=	**192**	SY

TOTAL = **192.00** SY

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	6/2/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN

ITEM NO.	503E11101
QUANTITY	1
UNIT	LUMP

Total Cost = 45,000

Say = $45,000

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	6/2/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: UNCLASSIFIED EXCAVATION, AS PER PLAN

ITEM NO.	503E21101
QUANTITY	206
UNIT	CY

Abutment	Proposed Area (SF)	Existing Area (SF)	Ave Ht (FT)	Vol. (CF)	Vol. (CY)	
Rear Abutment	486	200	7.6	2173.6	80.5	one foot outside proposed footing
Forward Abutment	486	200	7.6	2173.6	80.5	
				Total Abuts=	161.0	
Piers	446.6	193	4.75	1204.6	45.0	

Existing abutments and piers will be removed. Subtract this area from proposed to get excavation quantity.

Total 206.0 CY

BG	**Project: MAD/PIC-71-4.56/0.00** **Bridge: MAD-71-08.044** **Client: ODOT District 6** **QUANTITY COMPUTATIONS**	Date: 6/2/21 By: CCJ Checked: RG Date: 7/18/2022

DESCRIPTION: PILE DRIVING EQUIPMENT MOBILIZATION

ITEM NO. 505E11100
QUANTITY 1
UNIT LS

Cost for Pile Driving Equipment Mobilization

Total = $25,000

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	7/14/22
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: 12" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN

ITEM NO.	507E00500
QUANTITY	4270
UNIT	FT

	No of piles	Driven Length (FT)	Total Length (FT)
Rear	14	40	560
Forward	14	70	980
		Total Abuts =	1540
Piers	42	65	2730

Driven Length = Driven Length x No of piles **4270**

Total **4270** FT

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	7/14/22
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: 12" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED

ITEM NO.	507E00550
QUANTITY	4620
UNIT	FT

	No of piles	Estimated	Nearest 5 ft	Order Length (FT)	Total (FT)
Rear	14	40	40	45	630
Forward	14	70	70	75	1050
				Total Abuts =	1680
Piers	42	65	65	70	2940
				Total=	4620

Order Length = Estimated Length + 5 ft
Furnished Length = Order Length x No of Piles
Driven length = Estimated Length x No of Piles

Order Length	=	Estimated Length + 5 '			
	=				
Furnished Length	=	Order Length x No of piles	**4620**		
				Total	**4620** FT

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	2/21/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: EPOXY COATED REINFORCING STEEL

ITEM NO.	509E10000
QUANTITY	165845
UNIT	LB

	VOL (CY)	Wt (LBS)
Deck		84986
Parapet		15076
Abutment		11081
Pier		45204
Abut Diaprhagm		6824
Pier Diaprhagm		2674
	Total =	165845

Total **165845** LB

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	2/21/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

SCRIPTION: NO. 4 GRFP DEFORMED BARS

ITEM NO.	509E30020
QUANTITY	10389
UNIT	FT

Length (FT)	# / Panel	# Panels	Length (FT)		
				0.0	Approach Slabs
				0.0	Deck
		Total =	10389.0		
				Total	**10389.0** FT

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	6/2/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: SEMI-INTEGRAL DIAPHRAGM GUIDE

ITEM NO.	511E33500
QUANTITY	2
UNIT	EACH

	#
Abutments	2

Total **2** EACH

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	6/2/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE, AS PER PLAN

ITEM NO.	511E33415
QUANTITY	47
UNIT	CY

Main Slab

		Area (SF)	Length into Diapragm (FT)		# Beams	Vol (CY)	
Abutment Diaphragm							
Beam Area	=	3.89	3.0833		6	2.66	subtract beam area below
		Ave Ht (FT)*	**Width (FT)**	**Lengh (FT)**		**Vol (CY)**	
Rear Diaphragm Area	=	4.95	4.08333	36.63		24.76	
For Diaphragm Area	=	4.95	4.08333	36.63		24.76	
				Abutment Diaphragms Total=		46.85	

* subtract deck thickness from diaphargm ht since it is included above

Total Qty	=	46.85

Total **47.00** CY

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	6/2/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK, AS PER PLAN

ITEM NO.	511E34447
QUANTITY	380
UNIT	CY

Main Slab

		Area (SF)	Lengh (FT)			Vol (CY)	
Area of the Deck	=	25.50	290.70			274.55	
Haunch		**T (FT)**	**Width (FT)**	**Lengh (FT)**	**# Beams**	**Vol (CY)**	
Average Beam Haunch	=	0.271	1.333	290.70	6	23.33	
Pier Diaphragms		**Ave Ht (FT)***	**Width (FT)**	**Lengh (FT)**	**# Piers**	**Vol (CY)**	
Diaphragm Area	=	4.75	2	36.63	3	38.67	
		Area (SF)	**Length into Diapragm (FT)**		**# Beams**	**Vol (CY)**	
Beam Protrusion	=	3.89	0.75		12	1.30	12 beam ends at each pier
				Pier Diaphragms Total=		37.37	
Total Qty	=					373.91	

Total **380.00** CY

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	6/2/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN

ITEM NO.	511E34451
QUANTITY	102
UNIT	CY

		Area (SF)	Lengh (FT)	#	Area (SF)	Vol (CY)
Parapet	=	4.08	312.00	2		94.37
Transition	=			4	1.82	7.28
					Total=	101.65

Total **102.00** CY

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	6/4/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: CLASS QC1 CONCRETE WITH QC/QA, PIER ABOVE FOOTINGS

ITEM NO.	511E40512
QUANTITY	117
UNIT	CY

		Ht (FT)	Lengh (FT)	Width (FT)	Area (SF)	#	Vol (CY)
Pier 1							
Cap	=	4.14	35.83	4.333			23.81
Columns	=	14.34			7.07	4	15.02
						Total=	38.83
Pier 2							
Cap	=	4.11	35.83	4.333			23.63
Columns	=	14.61			7.07	4	15.30
						Total=	38.94
Pier 3							
Cap	=	4.10	35.83	4.333			23.58
Columns	=	14.48			7.07	4	15.17
						Total=	38.74

Total **117.00** CY

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	6/4/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING

ITEM NO.	511E44112
QUANTITY	58
UNIT	CY

		Ht (FT)	Lengh (FT)	Width (FT)	Area (SF)	#	Vol (CY)
Rear Abutment							
Stem	=	3.00	36.97	4.08333			16.77
WW 1	=			1.5	103.00	1	5.72
WW 2	=			1.5	110.00	1	6.11
						Total=	28.61
Forward Abutment							
Stem	=	3.00	36.97	4.08333			16.77
WW 1	=			1.5	103.00	1	5.72
WW 2	=			1.5	110.00	1	6.11
						Total=	28.61
						Abutments Total =	57.21

Total **58.00** CY

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	6/4/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: CLASS QC1 CONCRETE WITH QC/QA, FOOTING

ITEM NO.	511E46512
QUANTITY	188
UNIT	CY

		Ht (FT)	Area (SF)	#	Vol (CY)
Abutments	=	3	320.00	2	72.00
Piers	=	3	348.00	3	116.00
				Total=	188.00

Total **188.00** CY

BG	**Project: MAD/PIC-71-4.56/0.00** **Bridge: MAD-71-08.044** **Client: ODOT District 6** **QUANTITY COMPUTATIONS**	Date: 6/4/21 By: CCJ Checked: RG Date: 7/18/2022

DESCRIPTION: SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)

ITEM NO. 512E10100
QUANTITY 2034
UNIT SY

Rear Abutment		**Ht (FT)**	**Lengh (FT)**	**Width (FT)**	**Area (SF)**	#	**Area (SY)**
Stem	=	1.00	36.97				4.11
		Area (SF)	**Beam Area (SF)**	**# Beams**			
Diaphragm	=	184.00	3.89	6			17.85
			Top Len (FT)	**Top Wid (FT)**	**Exposed Area (SF)**		
WW 1	=		1.5	15.63	48.10	1	7.95
WW 2	=		1.5	17.39	70.60	1	10.74
						Total=	40.65
Forward Abutment		**Ht (FT)**	**Lengh (FT)**	**Width (FT)**	**Area (SF)**	#	**Area (SY)**
Stem	=	0.50	36.97				2.05
		Area (SF)	**Beam Area**	**# Beams**			
Diaphragm	=	184.00	3.89	6			17.85
			Top Len (FT)	**Top Wid (FT)**	**Exposed**		
WW 1	=		1.5	15.63	48.10	1	7.95
WW 2	=		1.5	17.39	70.60	1	10.74
						Total=	38.60
						Abutments Total =	80.00
Pier 1		**Perimeter (FT)**	**Height (FT)**			**#**	**Area (SY)**
Columns	=	9.42	13.84			4.00	57.97
		Face Area (SF)	**#**	**End Area**	**#**		
Cap	=	146.64	2.00	17.33	2.00		36.44
Pier 2		**Perimeter**	**Height (FT)**			**#**	**Area (SY)**
Columns	=	9.42	14.11			4.00	59.10
		Face Area	**#**	**End Area**	**#**		
Cap	=	146.64	2.00	17.33	2.00		36.44
Pier 3		**Perimeter**	**Height (FT)**			**#**	**Area (SY)**
Columns	=	9.42	13.98			4.00	58.56
		Face Area	**#**	**End Area**	**#**		
Cap	=	146.64	2.00	17.33	2.00		36.44
						Piers Total=	285.00
Deck		**Width (FT)**	**Length (FT)**				**Area (SY)**
		51	290.7				1648
Approach Parapets		**Length (FT)**	**Perimeter (FT)**				**Area (SY)**
		11	7.85				9.59
		10	7.235				8.04
		4	6.62				2.94
						Parapets Total=	21.00
						Sealing Total=	2034.0
						Total	**2034** SY

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	6/4/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: TYPE 2 WATERPROOFING

ITEM NO.	512E33000
QUANTITY	16
UNIT	SY

		Ht (FT)	Length (FT)	Width (FT)	#		Vol (SY)
Abutments-Phase Joint	=	6.84		3	2.00		4.56
Wingwalls -Horizontal Joint	=		7.63	3	2.00		5.08
			9.39	3	2.00		6.26
						Total=	15.90

Total **16.00** SY

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	6/8/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LEVEL 3, TYPE 3 (84'-0" LONG)

ITEM NO.	515E15010
QUANTITY	12
UNIT	EA

Total Number of Beams	=	12
Length of the beam	=	84
Cost per beam	=	32,000
Total cost of beams	=	$384,000

Total **12.00** EACH

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	6/8/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LEVEL 3, TYPE 3 (59-10" LONG)

ITEM NO.	515E15010
QUANTITY	12
UNIT	EA

Total Number of Beams	=	12
Length of the beam	=	59.8333
Cost per beam	=	27,500
Total cost of beams	=	$330,000

Total **12.00** EACH

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	6/8/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: INTERMEDIATE DIAPHRAGM

ITEM NO.	515E20000
QUANTITY	40
UNIT	EACH

	# PER BAY	#	# Spans	Total (FT)
Spans 1&3	1	5	2	10
Spans 2&3	3	5	2	30

TOTAL = 40 EACH

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	6/15/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: ARMORLESS PREFORMED JOINT SEAL

ITEM NO.	516E10010
QUANTITY	67
UNIT	FT

Joint at sleeper slab

	Length (FT)
REAR	33.2
FORWARD	33.2
TOTAL=	67.0

TOTAL = **67** SF

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	6/8/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: 1" PREFORMED EXPANSION JOINT FILLER

ITEM NO.	516E13600
QUANTITY	9
UNIT	SF

Between bridge and approach slab parapet

	AREA (SF)
REAR	4.1
FORWARD	4.1
TOTAL=	9.0

TOTAL = **9** SF

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	6/8/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: 2" PREFORMED EXPANSION JOINT FILLER

ITEM NO.	516E13900
QUANTITY	207
UNIT	SF

	No	Length (ft)	Height (ft)	Area (SF)
Rear Abutment	2	3.72	5.00	37.15
Forward Abutment	2	3.72	6.00	44.58
Rear Approach Slab	2	25.00	1.25	62.50
Forward Approach Slab	2	25.00	1.25	62.50
			Total =	206.73

Total = **207** SF

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	6/8/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: SEMI INTEGRAL ABUTMENT EXPANSION JOINT SEAL

ITEM NO.	516E14020
QUANTITY	80
UNIT	FT

	Length (ft)	#	Total (ft)
Horizontal Joint - Rear Abutment	40.00	1	40.00
Horizontal Joint - Forward Abutment	40.00	1	40.00
		Total=	80.00

TOTAL = 80 FT

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	6/8/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: ELASTOMERIC BEARINGS WITH INTERNAL LAMINATES (14"x18"x3.39") AND LOAD PLATE (15"x19"x2") (NEOPRENE), AS PER PLAN

ITEM NO.	516E44201
QUANTITY	12
UNIT	EA

# Beams	# Abuts	Total
6	2	12

TOTAL = 12 EA

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	6/8/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: ELASTOMERIC BEARINGS WITH INTERNAL LAMINATES (14"x19"x3.698") AND LOAD PLATE (15"x22"x2") (NEOPRENE), AS PER PLAN

ITEM NO.	516E44201
QUANTITY	36
UNIT	EA

# Beams	# Piers	Bearing Lines/Pier	Total
6	3	2	36

TOTAL = 36 EA

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	6/8/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: POROUS BACKFILL WITH GEOTEXTILE FABRIC

ITEM NO.	518E21200
QUANTITY	46
UNIT	CY

	Width (FT)	Length (FT)	Height (FT)	#	VOL (CY)
Forward Abutment and Wingwalls	2	40.00	7.75	1	22.96
Rear Abutment and Wingwalls	2	40.00	7.75	1	22.96
				Total =	45.93

ABUTMENTS TOTAL= **46.00** CY

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	6/8/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: 6" DIA. PERFORATED CORRUGATED PLASTIC PIPE

ITEM NO.	518E40000
QUANTITY	90
UNIT	FT

	Len (ft)	
Rear Abutment	44.7	(Including the wingwalls)
Forward Abutment	44.7	(Including the wingwalls)
Total =	89.4	

Total **90** **FT**

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	6/8/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: 6" DIA. NONPERFORATED CORRUGATED PLASTIC PIPE, AS PER PLAN

ITEM NO.	518E40011
QUANTITY	24
UNIT	FT

	Len (ft)	#	Total (FT)
Abutments	6.000	4	24

Total **24.0** ft

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	6/8/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: DYNAMIC LOAD TESTING

ITEM NO.	523E20000
QUANTITY	2
UNIT	EA

	# Tests
Abutments	1.0
Piers	1.0
TOTAL=	2.0

TOTAL = **2** EA

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	6/8/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15"), AS PER PLAN

ITEM NO.	526E25001
QUANTITY	197
UNIT	SY

Length (ft)	Width (ft)	#	Total (SF)	Total (SY)
25	35.333	2	1766.7	196.3

TOTAL = 197.0 SY

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	6/8/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: TYPE C INSTALLATION, AS PER PLAN

ITEM NO.	526E90031
QUANTITY	68
UNIT	FT

Length (ft)	#	Total (FT)
34	2	68.0

TOTAL = 68.0 FT

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	6/8/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: CRUSHED AGGREGATE SLOPE PROTECTION, AS PER PLAN

ITEM NO.	601E20001
QUANTITY	100
UNIT	SY

Assume 100 SY Total

		Repl Area (SY)
Rear Abutment		50.00
Forward Abutment		50.00
	Total =	100.00

Total **100** SY

BG Engineering Group

Project: MAD/PIC-71-4.56/0.00
Bridge: MAD-71-08.044
Client: ODOT District 6

QUANTITY COMPUTATIONS

Date:	6/15/21
By:	CCJ
Checked:	RG
Date:	7/18/2022

DESCRIPTION: VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC

ITEM NO.	607E39900
QUANTITY	582
UNIT	FT

	Len (ft)	#	Total Length (FT)
Vandal Fence Length	290.71	2	581.4
		TOTAL =	**582.0** **FT**

BG	**Project: MAD/PIC-71-4.56/0.00** **Bridge: MAD-71-08.044** **Client: ODOT District 6** **QUANTITY COMPUTATIONS**	Date: 6/15/21 By: CCJ Checked: RG Date: 7/18/2022

DESCRIPTION: STRUCTURE GROUNDING SYSTEM

ITEM NO. 625E33000
QUANTITY 1
UNIT EA

#
1.0

TOTAL = **1** EA