

MOT-070-0603 ESTIMATED QUANTITIES						MADE BY AMT		CHECKED BY BTJ	
						DATE 06/01/18		DATE 06/04/18	
ITEM	ITEM EXT.	TOTAL	UNITS	DESCRIPTION	MOT-070-0603				SHT. REF.
					ABUTS.	PIERS	SUPER.	GENERAL	
202	11203	LUMP		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN				LUMP	2
202	22900	184	SQ YD	APPROACH SLAB REMOVED				184	
202	23500	184	SQ YD	WEARING COURSE REMOVED				184	
503	21100	100	CU YD	UNCLASSIFIED EXCAVATION	100				
509	10000	39705	LB	EPOXY COATED STEEL REINFORCING	7049	3359		29297	
509	10001	1377	LB	EPOXY COATED STEEL REINFORCING, AS PER PLAN	1377				
509	26000	130086	LB	GALVANIZED STEEL REINFORCEMENT			130086		
509	30020	12576	FT	NO. 4 DEFORMED GFRP REINFORCEMENT			12576		
510	10000	770	EACH	DOWEL HOLES WITH NON-SHRINK, NONMETALLIC GROUT	530	240			
511	33501	4	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE, AS PER PLAN	4				8, 12
511	34446	487	CU YD	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK			487		
511	34450	123	CU YD	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)			123		
511	41010	26	CU YD	CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS		26			
511	44110	44	CU YD	CLASS QC1 CONCRETE, ABUTMENT NOT INCLUDING FOOTING	44				
511	46510	10	CU YD	CLASS QC1 CONCRETE, FOOTING	10				
512	10100	1202	SQ YD	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	75	70	1057		
512	10600	35	FT	CONCRETE REPAIR BY EPOXY INJECTION	35				
512	74000	29	SQ YD	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES	12	17			
513	10201	5292	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN			5292		2
513	20000	2790	EACH	WELDED STUD SHEAR CONNECTORS			2790		
516	13600	17	SQ FT	1" PREFORMED EXPANSION JOINT FILLER	17				
516	13900	211	SQ FT	2" PREFORMED EXPANSION JOINT FILLER	211				
516	14020	130	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	130				
516	31010	100	FT	2" DEEP JOINT SEALER				100	
516	44200	10	EACH	ELASTOMERIC BEARINGS WITH INTERNAL LAMINATES (12"x15"x3.98") AND LOAD PLATE (13"x16"x1.5") (NEOPRENE)	10				
516	44200	10	EACH	ELASTOMERIC BEARINGS WITH INTERNAL LAMINATES (12"x24"x3.58") AND LOAD PLATE (15"x25"x1.75") (NEOPRENE)		10			
516	44200	5	EACH	ELASTOMERIC BEARINGS WITH INTERNAL LAMINATES (12"x24"x3.58") AND LOAD PLATE (15"x25"x1.875") (NEOPRENE)		5			
516	47001	LUMP		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN			LUMP		2
518	21200	114	CU YD	POROUS BACKFILL WITH GEOTEXTILE FABRIC	114				
518	40000	138	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	138				
518	40010	53	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	53				
526	25000	191	SQ YD	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15")				191	
601	20001	100	SQ YD	CRUSHED AGGREGATE SLOPE PROTECTION, AS PER PLAN				100	2
607	39900	753	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC			753		



Project: MOT-070-6.03
 Bridge: MOT-070-0603
 ODOT

Date: 7/15/15
 By: AMD
 Checked: BTJ
 Sheet: 12/4/2017

QUANTITY COMPUTATIONS

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

ITEM NO. 202E11203
 QUANTITY 1
 UNIT LUMP

Deck Concrete Removal

Width (ft)	Length (ft)	#	Area (SF)	
36.50	376.02	1	13724.7	
Total=			13724.7	SF
assume	\$20.00	SF	Total=	\$274,494.60

Abutment Concrete Removal

	Width (ft)	Area (SF)	Seat Width (ft)	Seat Area (SF)	#	Volume	
Abutment Backwalls (Rear)	0	0	0	0	0	0.00	CY
Abutment Backwalls (Forward)	1.75	321.79	0.5	76.68	2	38.87	CY
	Area (SF)	Depth (ft)					
Abutment Wingwalls	81.6456	1.5			2	9.07	CY
Abutment Wingwalls	116.4388	1.5			2	12.94	CY
Rail	6.2022	14			2	6.43	CY
Rail	6.2022	22			2	10.11	CY
Abutments Total =						77.42	CY
assume	\$200	CY	Cost=		\$15,484.40		

Pier Concrete Removal	Width (ft)	Length (ft)	Height	#	Volume	
	0	0	0	0	0.00	CY
assume	\$250	CY	Cost=		\$0.00	

Total Cost = \$289,979.00

Say = \$300,000



Project: MOT-070-6.03
Bridge: MOT-070-0603
ODOT

Date: 7/15/15
By: AMD
Checked: BTJ
Sheet: 12/4/2017

QUANTITY COMPUTATIONS

DESCRIPTION: APPROACH SLAB REMOVED

ITEM NO. 202E22900
QUANTITY 184
UNIT SY

	Area (ft ²)	#		
APPROACH SLAB REMOVED	829.25	2	184	SY

TOTAL= 184 SY



Project: MOT-070-6.03
Bridge: MOT-070-0603
ODOT

Date: 7/15/15
By: AMD
Checked: BTJ
Sheet: 12/4/2017

QUANTITY COMPUTATIONS

DESCRIPTION: WEARING SURFACE REMOVED

ITEM NO. 202E23500
QUANTITY 184
UNIT SY

	Area (ft ²)	#		
APPROACH SLAB REMOVED	829.25	2	184	SY

TOTAL= 184 SY



Project: MOT-070-6.03
 Bridge: MOT-070-0603
 ODOT

Date: 7/15/15
 By: AMD
 Checked: BTJ
 Sheet: 12/4/2017

QUANTITY COMPUTATIONS

DESCRIPTION: UNCLASSIFIED EXCAVATION

ITEM NO. 503E21100
 QUANTITY 100
 UNIT CY

	area (SF)	top el	bot el	width (ft)	Length (ft)		
rear abutment		1004.5	1001.26	3	50	486.00	18.00
forward abutment		1001.9	998.62	3	50	492.00	18.22
wingwall 1		1005.31	998.26	2.5	22.83	402.38	14.90
wingwall 2		1005.16	998.26	2.5	24	414.00	15.33
wingwall 3		1003.15	995.62	2.5	22.83	429.77	15.92
wingwall 4		1002.5	995.62	2.5	24	412.80	15.29
wingwall (behind) 1		1005.31	998.26	2.5	3.00	52.87	1.96
wingwall (behind) 2		1005.16	998.26	2.5	13.00	224.25	8.31
wingwall (behind) 3		1003.15	995.62	2.5	3.00	56.47	2.09
wingwall (behind) 4		1002.5	995.62	2.5	13.00	223.60	8.28

Abut Total= 99.62

TOTAL= 100 CY



Project: MOT-070-6.03
Bridge: MOT-070-0603
ODOT

Date: 5/23/23
By: HM
Checked: AMT
Sheet: 5/25/2023

QUANTITY COMPUTATIONS

DESCRIPTION: EPOXY COATED STEEL REINFORCING

ITEM NO. 509E10000
QUANTITY 39705
UNIT LB

	Total	
Superstructure	0	LB
Parapet	0	LB
Abutments	7049	LB
Pier	3359	LB
Approach Slab	29297	LB
TOTAL=	39705	LB



Project: MOT-070-6.03
Bridge: MOT-070-0603
ODOT

Date: 5/23/23
By: HM
Checked: AMT
Sheet: 5/25/2023

QUANTITY COMPUTATIONS

DESCRIPTION: EPOXY COATED STEEL REINFORCING, AS PER PLAN

ITEM NO. 509E10001
QUANTITY 1377
UNIT LB

	Total	
Superstructure	0	LB
Parapet	0	LB
Abutments	1377	LB
Pier	0	LB
Approach Slab Parapet	0	LB
TOTAL=	1377	LB



Project: MOT-070-6.03
Bridge: MOT-070-0603
ODOT

Date: 5/23/23
By: HM
Checked: AMT
Sheet: 5/25/2023

QUANTITY COMPUTATIONS

DESCRIPTION: GALVANIZED STEEL REINFORCEMENT

ITEM NO. 509E26000
QUANTITY 130086
UNIT LB

	Total	
Superstructure	130086	LB
Parapet	0	LB
Abutments	0	LB
Pier	0	LB
Approach Slab Parapet	0	LB
TOTAL=	130086	LB



Project: MOT-070-6.03
Bridge: MOT-070-0603
ODOT

Date: 5/23/23
By: HM
Checked: AMT
Sheet: 5/25/2023

QUANTITY COMPUTATIONS

DESCRIPTION: NO. 4 DEFORMED GFRP REINFORCEMENT

ITEM NO. 509E30020
QUANTITY 12576
UNIT FT

	Total	
Superstructure	0	FT
Parapet	12576	FT
Abutments	0	FT
Pier	0	FT
Approach Slab Parapet	0	FT
TOTAL=	12576	FT



Project: MOT-070-6.03
Bridge: MOT-070-0603
ODOT

Date: 7/15/15
By: AMD
Checked: BTJ
Sheet: 12/4/2017

QUANTITY COMPUTATIONS

DESCRIPTION: DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT

ITEM NO. 510E10000
QUANTITY 770
UNIT EACH

	Dowel Hole:	#	TOTAL
REAR ABUTMENT (WINGWALLS)	139	1	139
FORWARD ABUBMENT (WINGWALLS)	139	1	139
REAR ABUTMENT (BEAM SEAT)	126	1	126
FORWARD ABUBMENT (BEAM SEAT)	126	1	126
ABUTMENT TOTAL=	530		
PIER 1	80		
PIER 2	80		
PIER 3	80		
PIER TOTAL=	240		

TOTAL= 770 EACH



Project: MOT-070-6.03
Bridge: MOT-070-0603
ODOT

Date: 7/15/15
By: AMD
Checked: BTJ
Sheet: 12/4/2017

QUANTITY COMPUTATIONS

DESCRIPTION: SEMI-INTEGRAL DIAPHRAGM GUIDE, AS PER PLAN

ITEM NO. 511E33501
QUANTITY 4
UNIT EACH

REAR ABUTMENT 2
FORWARD ABUBMENT 2

TOTAL= 4 EACH



Project: MOT-070-6.03
 Bridge: MOT-070-0603
 ODOT

Date: 7/15/15
 By: AMD
 Checked: BTJ
 Sheet: 12/4/2017

QUANTITY COMPUTATIONS

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

ITEM NO. 511E34446
 QUANTITY 487
 UNIT CY

	<i>Slab Length (ft)</i>	<i>Width (ft)</i>	<i>Thickness (ft)</i>	<i>Flange Area (ft^2)</i>	<i>#</i>	<i>Total (CF)</i>	<i>Total (CY)</i>
Deck	376.02	35.3333	0.7083			9410.9	349
Haunches-Interior	376.02	1.3333	0.3241	0.0486	8	788.1	29
Haunches-Fascia	376.02	2.6667	0.3241	0.0486	2	613.4	23
	<i>Length (ft)</i>	<i>Width (ft)</i>	<i>Height (ft)</i>	<i>Addition. Deck Vol</i>	<i>#</i>	<i>Total (CF)</i>	<i>Total (CY)</i>
Diaphragm	35.3333	5.85	4.79	172.26	2	2324.7	86

TOTAL = 487 CY



Project: MOT-070-6.03
 Bridge: MOT-070-0603
 ODOT

Date: 7/15/15
 By: AMD
 Checked: BTJ
 Sheet: 12/4/2017

QUANTITY COMPUTATIONS

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

ITEM NO. 511E34450
 QUANTITY 123
 UNIT CY

		<i>Bridge Parapet</i>			
		Area	Length (ft)	#	CF
Bridge		parapet (ft)			
	LEFT	4.09	376.02	2	3076
		Area (ft)	Length along app. Slab (ft)	#	
Approach Slab					
	LEFT	4.09	5	2	41
	RIGHT	4.09	1	2	8
				<i>TOTAL=</i>	116
Transition					
	LEFT		1.82	2	4
	RIGHT		1.82	2	4
				<i>TOTAL=</i>	123
					CY



Project: MOT-070-6.03
Bridge: MOT-070-0603
ODOT

Date: 7/15/15
By: AMD
Checked: BTJ
Sheet: 12/4/2017

QUANTITY COMPUTATIONS

DESCRIPTION: CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS

ITEM NO. 511E41010
QUANTITY 26
UNIT CY

Pier Concrete

	Ht (ft)	Area (ft ²)	#	Total (CF)	TOTAL (CY)
Pier 1 Cap	1.52	148.0688	1	225.06	8.34
Pier 2 Cap	1.58	148.0688	1	233.95	8.66
Pier 3 Cap	1.51	148.0688	1	223.58	8.28
Total=				682.60	25.28

TOTAL= 26.00 CY



Project: MOT-070-6.03
 Bridge: MOT-070-0603
 ODOT

Date: 7/15/15
 By: AMD
 Checked: BTJ
 Sheet: 12/4/2017

QUANTITY COMPUTATIONS

DESCRIPTION: CLASS QC1 CONCRETE, ABUTMENT NOT INCLUDING FOOTING

ITEM NO. 511E44110
 QUANTITY 44
 UNIT CY

Abutment Concrete

		Area (ft ²)	Ht (ft.)	Width (ft)	Len (ft)	#	Overlap Ex. WW	Total (CF)
Wingwalls	1	167.53		1.50		1	33.04575	218.25
Wingwalls	2	205.06		1.50		1	44.24766	263.34
Wingwalls	3	157.36		1.50		1	34.58574	201.45
Wingwalls	4	200.80		1.50		1	44.16047	257.04
Stems	(Rear)		0.54	3.75	55.1	1		111.94
Stems	(Forward)		0.54	3.75	55.1	1		111.94

Abutment Total= 1163.97 43.11

TOTAL= 44.0 CY



Project: MOT-070-6.03
Bridge: MOT-070-0603
ODOT

Date: 7/15/15
By: AMD
Checked: BTJ
Sheet: 12/4/2017

QUANTITY COMPUTATIONS

DESCRIPTION: CLASS QC1 CONCRETE, FOOTING

ITEM NO. 511E46510
QUANTITY 10
UNIT CY

Abutment Concrete

	Area (ft ²)	Ht (ft.)	Width (ft)	Len (ft)	#	Overlap Ex. WW	Total (CF)
Footing 1		3.25	1.5	13.8333	2		134.87
Footing 2a		3.25	1.75	8.9167	2		101.43
Footing 2b		3.25	0.50	9.45	2		30.71

Abutment Total= 267.01 9.89

TOTAL= 10.0 CY



Project: MOT-070-6.03
 Bridge: MOT-070-0603
 ODOT

Date: 7/15/15
 By: AMD
 Checked: BTJ
 Sheet: 12/4/2017

QUANTITY COMPUTATIONS

DESCRIPTION: SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)

ITEM NO. 512E10100
 QUANTITY 1203
 UNIT SY

		Sealing Ht (ft)	Width (ft)	Face Area (SF)	#	Area (SF)	Area (SY)
REAR	STEM FACE	1.59	55.11		1	87.62	9.7
	WW#1	28.11	1.50	80.45	1	122.62	13.6
	WW#2	30.04	1.50	86.61	1	131.67	14.6
						Rear Abutment Total=	341.9
FORWARD	STEM FACE	1.75	55.11		1	96.44	10.7
	WW#3	25.71	1.50	72.28	1	110.85	12.3
	WW#4	29.90	1.50	82.90	1	127.75	14.2
						For Abutment Total=	335.0
					Abutments Total=	676.9	75.22

		Ht (ft)	Width (ft)	#	Area (SF)	Area (SY)	
PIER 1	COLUMNS	0.00	0	4	0.0	0.0	
	CAP FACES	2.02	47	2	189.9	21.1	
	CAP ENDS	2.02	4.71	2	19.0	2.1	
PIER 2	COLUMNS	0.00	0	4	0.0	0.0	
	CAP FACES	2.08	47	2	195.5	21.7	
	CAP ENDS	2.08	4.71	2	19.6	2.2	
PIER 3	COLUMNS	0.00	0	4	0.0	0.0	
	CAP FACES	2.01	47	2	188.9	21.0	
	CAP ENDS	2.01	4.71	2	18.9	2.1	
					PIERS TOTAL=	631.9	70.2

Superstructure

	Perimeter (ft)	Length (ft)	#	Area (SF)	Area (SY)	
Bridge Deck Parapets	7.90	376.02	2	5938.21	659.8	
Approach Parapets	7.90	19	2	300.20	33.4	
Approach Parapets	7.90	15	2	237.00	26.3	
				Parapet Total	6475.41	719.5
Deck Fascia-side	1.25	376.02	2	940.05	104.5	
Deck Fascia-bottom	2.08	376.02	2	1566.25	174.0	
				Fascia Total=	2506.30	278.5
Rear Diaphragm	4.79	55.11	1	263.98	29.3	
Forward Diaphragm	4.79	55.11	1	263.98	29.3	
				Diaphragm Total=	527.95	58.7
				Super Total=	8981.71	1056.63

TOTAL= 10290.55 1203.0 SY



Project: MOT-070-6.03
Bridge: MOT-070-0603
ODOT

Date: 7/15/15
By: AMD
Checked: BTJ
Sheet: 12/4/2017

QUANTITY COMPUTATIONS

DESCRIPTION: CONCRETE REPAIR BY EPOXY INJECTION

ITEM NO. 512E10600
QUANTITY 35
UNIT FT

	Length (ft)
Abutments	35.00
Piers	

	Length (ft)
	35.00
	0
Total=	35.00

TOTAL = 35 FT



Project: MOT-070-6.03
Bridge: MOT-070-0603
ODOT

Date: 7/15/15
By: AMD
Checked: BTJ
Sheet: 12/4/2017

QUANTITY COMPUTATIONS

DESCRIPTION: REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES

ITEM NO. 512E74000
QUANTITY 29
UNIT SY

		Sealing Ht (ft)	Width (ft)	Face Area (SF)	#	Area (SF)	Area (SY)
REAR	STEM FACE	0.86	55.11		1	47.62	5.3
FORWARD	STEM FACE	1.04	55.11		1	57.31	6.4
PIERS		0.50	103.42		3	155.1	17.2
					Total=	260.1	29.0 SY



Project: MOT-070-6.03
Bridge: MOT-070-0603
ODOT

Date: 7/15/15
By: AMD
Checked: BTJ
Sheet: 12/4/2017

QUANTITY COMPUTATIONS

DESCRIPTION: STRUCTURAL STEEL, LEVEL UF, AS PER PLAN

ITEM NO. 513E10201
QUANTITY 5292
UNIT LB

	VOL (FT^3)	WT(LB/FT^3)	#	TOTAL (LB)
PIER 1	0.18	490	20	1764.0
PIER 2	0.18	490	20	1764.0
PIER 3	0.18	490	20	1764.0

TOTAL = 5292.0 LB



Project: MOT-070-6.03
Bridge: MOT-070-0603
ODOT

Date: 7/15/15
By: AMD
Checked: BTJ
Sheet: 12/4/2017

QUANTITY COMPUTATIONS

DESCRIPTION: WELDED STUD SHEAR CONNECTORS

ITEM NO. 513E20000
QUANTITY 2790
UNIT EACH

SHEAR STUD # of rows # of beams
BEAM 186 3 5

Total
2790

TOTAL= 2790 EACH



Project: MOT-070-6.03
Bridge: MOT-070-0603
ODOT

Date: 7/15/15
By: AMD
Checked: BTJ
Sheet: 12/4/2017

QUANTITY COMPUTATIONS

DESCRIPTION: 1" PREFORMED EXPANSION JOINT FILLER

ITEM NO. 516E13600
QUANTITY 17
UNIT SF

	Area (SF)	#	Area	SF
<i>REAR ABUTMENT</i>	4.08	2.00	8.2	SF
<i>FORWARD ABUTMENT</i>	4.08	2.00	8.2	SF
LEFT ABUTMENT TOTAL=			16.3	SF
TOTAL =			17.0	SF



Project: MOT-070-6.03
Bridge: MOT-070-0603
ODOT

Date: 7/15/15
By: AMD
Checked: BTJ
Sheet: 12/4/2017

QUANTITY COMPUTATIONS

DESCRIPTION: 2" PREFORMED EXPANSION JOINT FILLER

ITEM NO. 516E13900
QUANTITY 211
UNIT SF

	<i>Length</i>	<i>height</i>	<i>#</i>	<i>Area</i>	
<i>WINGWALL 1</i>	19.83	1.25	1	24.8	SF
<i>WINGWALL 2</i>	22.00	1.25	1	27.5	SF
<i>WINGWALL 3</i>	17.00	1.25	1	21.3	SF
<i>WINGWALL 4</i>	22.00	1.25	1	27.5	SF
<i>DIAPHRAGM END(RIGHT)</i>	3.57	5.09	2	36.3	SF
<i>DIAPHRAGM END(LEFT)</i>	7.07	5.17	2	73.1	SF
				ABUTMENT TOTAL=	210.5 SF
				TOTAL =	211.0 SF



Project: MOT-070-6.03
Bridge: MOT-070-0603
ODOT

Date: 7/15/15
By: AMD
Checked: BTJ
Sheet: 12/4/2017

QUANTITY COMPUTATIONS

DESCRIPTION: SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL

ITEM NO. 516E14020
QUANTITY 130
UNIT FT

	Length	#	Total (FT)
Rear abutment	64.79	1	65
Forward Abutment	64.79	1	65
TOTAL =			130 FT



Project: MOT-070-6.03
Bridge: MOT-070-0603
ODOT

Date: 7/15/15
By: AMD
Checked: BTJ
Sheet: 12/4/2017

QUANTITY COMPUTATIONS

DESCRIPTION: 2" DEEP JOINT SEALER

ITEM NO. 516E31010
QUANTITY 100
UNIT FT

	<i>Length (FT)</i>	<i>#</i>	<i>Length</i>	
<i>REAR APPROACH SLAB</i>	49.77	1.00	49.8	FT
<i>FORWARD APPROACH SLAB</i>	49.77	1.00	49.8	FT
APPROACH SLAB TOTAL=			99.5	FT
TOTAL =			100.0	FT



Project: MOT-070-6.03
Bridge: MOT-070-0603
ODOT

Date: 7/15/15
By: AMD
Checked: BTJ
Sheet: 12/4/2017

QUANTITY COMPUTATIONS

DESCRIPTION: ELASTOMERIC BEARINGS WITH INTERNAL LAMINATES
(12"x15"x3.98") AND LOAD PLATE (13"x16"x1.5") (NEOPRENE)

ITEM NO. 516E44200
QUANTITY 10
UNIT EA

	# BRGS	#	Total
Abutments	5	2	10

TOTAL = 10 EA



Project: MOT-070-6.03
Bridge: MOT-070-0603
ODOT

Date: 7/15/15
By: AMD
Checked: BTJ
Sheet: 12/4/2017

QUANTITY COMPUTATIONS

DESCRIPTION: ELASTOMERIC BEARINGS WITH INTERNAL LAMINATES
(12"x24"x3.58") AND LOAD PLATE (15"x25"x1.88") (NEOPRENE)

ITEM NO. 516E44200
QUANTITY 5
UNIT EA

	# BRGS	#	Total
Pier 3	5	1	5

TOTAL = 5 EA



Project: MOT-070-6.03
Bridge: MOT-070-0603
ODOT

Date: 7/15/15
By: AMD
Checked: BTJ
Sheet: 12/4/2017

QUANTITY COMPUTATIONS

DESCRIPTION: ELASTOMERIC BEARINGS WITH INTERNAL LAMINATES
(12"x24"x3.58") AND LOAD PLATE (15"x25"x1.75") (NEOPRENE)

ITEM NO. 516E44200
QUANTITY 10
UNIT EA

	# BRGS	#	Total
Pier 1 and 2	5	2	10

TOTAL = 10 EA



Project: MOT-070-6.03
Bridge: MOT-070-0603
ODOT

Date: 7/15/15
By: AMD
Checked: BTJ
Sheet: 12/4/2017

QUANTITY COMPUTATIONS

DESCRIPTION: JACKING AND TEMPORARY SUPPORT OF STRUCTURE

ITEM NO. 516E47001
QUANTITY 25000
UNIT LS

	# Jacking Points	#	Cost/Poi nt	Total
Abutments	5	2	1000	10000
Piers	5	3	1000	15000
			Total=	25000



Project: MOT-070-6.03
 Bridge: MOT-070-0603
 ODOT

Date: 7/15/15
 By: AMD
 Checked: BTJ
 Sheet: 12/4/2017

QUANTITY COMPUTATIONS

DESCRIPTION: POROUS BACKFILL WITH GEOTEXTILE FABRIC

ITEM NO. 518E21200
 QUANTITY 114
 UNIT CY

	<i>ground el</i>	<i>top ftg el</i>	<i>Height (ft)</i>	<i>width</i>	<i>length</i>	<i>#</i>			
REAR ABUTMENT	1010.88	1001.51	9.37	2	55.63	1	1042.55	38.61	
FORWARD ABUTMENT	1008.41	998.87	9.54	2	55.63	1	1061.46	39.31	
WINGWALLS 1	1010.2	1005.31	4.89	3.25	11.56	1	183.72	6.80	
	1005.31	1001.51	3.8	2	3.56	1	27.06	1.00	
WINGWALLS 2	1010.21	1005.16	5.05	3.25	12.83	1	210.57	7.80	
	1005.16	1001.51	3.65	2	8.27	1	60.37	2.24	
WINGWALLS 3	1008.21	1003.15	5.06	3.25	12.83	1	210.99	7.81	
	1003.15	998.87	4.28	2	8.27	1	70.79	2.62	
WINGWALLS 4	1007.65	1002.5	5.15	3.25	9.94	1	166.37	6.16	
	1002.5	998.87	3.63	2	5.17	1	37.53	1.39	
ABUTMENTS TOTAL=								113.76	

TOTAL = 114.0 CY



Project: MOT-070-6.03
Bridge: MOT-070-0603
ODOT

Date: 7/15/15
By: AMD
Checked: _____
Sheet: _____

QUANTITY COMPUTATIONS

DESCRIPTION: 6" PERFORATED CORRUGATED PLASTIC PIPE

ITEM NO. 518E40000
QUANTITY 138
UNIT FT

	Length	#	Total (FT)
Right wingwall	40.82	2	82
Left wingwall	28.43	2	57

TOTAL = 138 FT



Project: MOT-070-6.03
Bridge: MOT-070-0603
ODOT

Date: 7/15/15
By: AMD
Checked: BTJ
Sheet: 12/4/2017

QUANTITY COMPUTATIONS

DESCRIPTION: 6" NON-PERFORATED CORRUGATED PLASTIC PIPE INCLUDING SPECIALS

ITEM NO. 518E40010
QUANTITY 53
UNIT FT

	Length	#	Total (FT)
Rear wingwalls	25	1	25
Forward wingwalls	28	1	28

TOTAL = 53 FT



Project: MOT-070-6.03
Bridge: MOT-070-0603
ODOT

Date: 7/15/15
By: AMD
Checked: BTJ
Sheet: 12/4/2017

QUANTITY COMPUTATIONS

DESCRIPTION: REINFORCED CONCRETE APPROACH SLAB WITH QC/QA (T=15")

ITEM NO. 526E25000
QUANTITY 191
UNIT SY

	AREA (SF)	#	Total (SF)	Total (SY)
Rear	856.67	1	856.67	95.2
Forward	856.67	1	856.67	95.2
Total=			1713.3	190.4

TOTAL = 191.0 SY



Project: MOT-070-6.03
Bridge: MOT-070-0603
ODOT

Date: 7/15/15
By: AMD
Checked: BTJ
Sheet: 12/4/2017

QUANTITY COMPUTATIONS

DESCRIPTION: CRUSHED AGGREGATE SLOPE PROTECTION, AS PER PLAN

ITEM NO. 601E20001
QUANTITY 100
UNIT SY

	Length	Width	Total (SF)	Total (SY)
Rear Abutment			450	50.0
Forward Abutment			450	50.0
TOTAL=			900	100.0

TOTAL = 900.0 100.0 SY



Project: MOT-070-6.03
Bridge: MOT-070-0603
ODOT

Date: 7/15/15
By: AMD
Checked: BTJ
Sheet: 12/4/2017

QUANTITY COMPUTATIONS

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

ITEM NO. 607E39900
QUANTITY 753
UNIT FT

	Len (ft)	#
Vandal Fence Length	376.02	2

**Total
Length
(FT)**
752.0

TOTAL = 753.0 FT