

LAK-002-16.77
PID NO. 105790

BRIDGE NO. LAK-00002-16.770
SFN: 4301749
BRIDGE ESTIMATED QUANTITIES

ESTIMATED QUANTITIES					CALCULATED BY GTB		CHECKED BY RG		
					DATE 8/3/2022		DATE 8/4/2022		
ITEM	ITEM EXT.	TOTAL	UNITS	DESCRIPTION	STRUCTURE FILE NUMBER 4301749				
					ABUTS.	PIERS	SUPER.	GENERAL	SHT. REF.
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	
503	21101	81	CU YD	UNCLASSIFIED EXCAVATION, AS PER PLAN	81				2
509	10000	93767	LB	EPOXY COATED REINFORCING STEEL	8563	2349	82855		
509	26000	728	LB	GALVANIZED STEEL REINFORCEMENT	728				
509	30020	8761	FT	NO. 4 GFRP DEFORMED BARS			8761		
510	10001	366	EACH	DOWEL HOLES WITH NON-SHRINK, NONMETALLIC GROUT, AS PER PLAN	192	174			2
511	33501	2	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE, AS PER PLAN	2				2
511	34447	283	CU YD	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK, AS PER PLAN			283		7, 12
511	34451	86	CU YD	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET), AS PER PLAN			86		24
511	41010	17	CU YD	CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS		17			
511	43510	38	CU YD	CLASS QC1 CONCRETE, ABUTMENT INCLUDING FOOTING	38				
512	10100	888	SQ YD	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	92	211	585		
512	10600	8	FT	CONCRETE REPAIR BY EPOXY INJECTION	8				
512	33000	8	SQ YD	TYPE 2 WATERPROOFING	8				
513	10240	253895	LB	STRUCTURAL STEEL MEMBERS, LEVEL 2			253895		
513	20000	4725	EACH	WELDED STUD SHEAR CONNECTORS			4725		
514	00060	12300	SQ FT	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT			12300		
514	00066	12300	SQ FT	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT			12300		
514	10000	13	EACH	FINAL INSPECTION REPAIR			13		
516	10010	72	FT	ARMORLESS PREFORMED JOINT SEAL				72	
516	13600	17	SQ FT	1" PREFORMED EXPANSION JOINT FILLER				17	
516	13900	150	SQ FT	2" PREFORMED EXPANSION JOINT FILLER	150				
516	14020	78	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	78				
516	44201	10	EACH	ELASTOMERIC BEARINGS WITH INTERNAL LAMINATES (11"x15"x3.40") AND LOAD PLATE (12"x16"x1.5") (NEOPRENE), AS PER PLAN	10				21
516	44201	10	EACH	ELASTOMERIC BEARINGS WITH INTERNAL LAMINATES (13"x19"x3.70") AND LOAD PLATE (14"x20"x2.0") (NEOPRENE), AS PER PLAN		10			21
516	44201	5	EACH	ELASTOMERIC BEARINGS WITH INTERNAL LAMINATES (14"x20"x3.70") AND LOAD PLATE (15"x21"x2.0") (NEOPRENE), AS PER PLAN		5			21
518	21201	62	CU YD	POROUS BACKFILL WITH GEOTEXTILE FABRIC. AS PER PLAN	62				2, 4, 5, 6
518	40000	92	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	92				
518	40011	83	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN	83				7, 10, 12
526	25010	205	SQ YD	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15")				205	
526	90031	74	FT	TYPE C INSTALLATION, AS PER PLAN				74	24
601	20001	55	SQ YD	CRUSHED AGGREGATE SLOPE PROTECTION, AS PER PLAN				55	2
607	39901	450	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC, AS PER PLAN			450		2
625	33000	1	EACH	STRUCTURE GROUNDING SYSTEM			1		



Project: LAK-002-16.77
 Bridge: LAK-00002-16.770
 Client: ODOT District 12

Designed: GTB
 Date: 8/3/2022
 Checked: RG
 Date: 8/4/2022

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)
30.83	291	1	8972.5
Total=			8972.5 SF

assume \$20.00 SF Total= \$179,449.81

Abutment Concrete Removal

	Width (ft)	Length (ft)	Top EL	Bot EL	Height	#	Volume
Abutment Backwalls (Rear)	25	1.75	934.67	930.14	4.53	1	7.34 CY
Abutment Backwalls (Forward)	25	1.75	934.72	930.22	4.50	1	7.29 CY
	Area (SF)	Width (ft)					
Abutment Wingwalls (Rear)	95	1.5				2	10.56 CY
Abutment Wingwalls (Forward)	95	1.5				2	10.56 CY
Rail(Rear)	1.5	13				4	2.89 CY
Curb	0	0				2	0.00 CY
Curb w/walk	5	13				2	4.81 CY
Abutments Total =							43.45 CY

assume \$200 CY Cost= \$8,689.35

Pier Concrete Removal

Width (ft)	Length (ft)	Height	#	Volume
0	0	3.5	0	0.00 CY
assume \$250 CY				Cost= \$0.00

Total Cost = \$188,139.16

Say = \$200,000



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QUANTITY COMPUTATIONS

Designed: GTB
 Date: 8/3/2022
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 Date: 8/4/2022

DESCRIPTION: APPROACH SLAB REMOVED

ITEM NO. 202E22900
 QUANTITY 184
 UNIT SY

	Area (ft^2)	#		
APPROACH SLAB REMOVED	837.5	2	186	SY
Existing Plans	184	SY		
			TOTAL=	184 SY



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QUANTITY COMPUTATIONS

Designed: GTB
 Date: 8/3/2022
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 Date: 8/4/2022

DESCRIPTION: UNCLASSIFIED EXCAVATION, AS PER PLAN

ITEM NO. 503E21301
 QUANTITY 81
 UNIT CU YD

	area (SF)	top el	bot el	width (ft)	Length (ft)	CF	CY
RA, Left Wingwall Footing	7.3125				13.6667	99.94	3.70
RA, Right Wingwall Footing	7.3125				13.1458	96.13	3.56
FA, Right Wingwall Footing	7.3125				13.6667	99.94	3.70
FA, Left Wingwall Footing	7.3125				13.1458	96.13	3.56
Wingwall 1 Area to Ground		631.57	623.08	4	13.875	471.20	17.45
Wingwall 2 Area to Ground		631.33	623.08	4	12.6	415.80	15.40
Wingwall 3 Area to Ground		636.56	628.14	4	13.6	458.05	16.96
Wingwall 4 Area to Ground		636.75	628.14	4	12.79	440.49	16.31

Abut Total= 80.65

TOTAL= 81 CY



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QUANTITY COMPUTATIONS

Designed: GTB
 Date: 8/3/2022
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 Date: 8/4/2022

DESCRIPTION: EPOXY COATED REINFORCING STEEL

ITEM NO. 509E10000
 QUANTITY 93767
 UNIT LB

			Total	
Superstructure	70004		70004	LB
Parapet	12851		12851	LB
Abutments	8563		8563	LB
Pier	2349		2349	LB
Approach Slab Parapet	0		0	LB
TOTAL=			93767	LB



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QUANTITY COMPUTATIONS

DESCRIPTION: GALVANIZED REINFORCING STEEL

ITEM NO. 509E26000
QUANTITY 728
UNIT LB

Total

Rear Abutment 364
Forward Abutment 364
728

728

TOTAL= 728 LB



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QUANTITY COMPUTATIONS

DESCRIPTION: No. 4 GRRP DEFORMED BARS

ITEM NO. 509E30020
QUANTITY 8761
UNIT FT

Total

Superstructure Railing $\frac{\text{Total}}{8760.167}$

8761

TOTAL= 8761 FT



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QUANTITY COMPUTATIONS

DESCRIPTION: DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT

ITEM NO. 510E10000
 QUANTITY 366
 UNIT EACH

	Dowel Hole:	#	TOTAL
REAR ABUTMENT (Left Wingwall)	40	1	40
REAR ABUTMENT (Right Wingwall)	42	1	42
FORWARD ABUTMENT (Left Wingwall)	42	1	42
FORWARD ABUTMENT (Right Wingwall)	40	1	40
REAR ABUTMENT (Diaphragm Guide)	14	1	14
FORWARD ABUTMENT (Diaphragm Guide)	14	1	14
ABUTMENTS (TOTAL)			192

	Dowel Hole:	#	TOTAL
Pier 1	58	1	58
Pier 2	58	1	58
Pier 3	58	1	58
PIERS (TOTAL)			174

TOTAL= 366 EACH



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QUANTITY COMPUTATIONS

Designed: GTB
Date: 8/3/22
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DESCRIPTION: SEMI-INTEGRAL DIAPHRAGM GUIDE, AS PER PLAN

ITEM NO. 511E33501
QUANTITY 2
UNIT EACH

REAR ABUTMENT # 1
FORWARD ABUBMENT 1

TOTAL= 2 EACH



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QUANTITY COMPUTATIONS

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

ITEM NO. 511E34447
 QUANTITY 283
 UNIT CY

	<i>Slab Length (ft)</i>	<i>Width (ft)</i>	<i>Thickness (ft)</i>	<i>Flange Area (ft^2)</i>	<i>#</i>	Total (CF)	Total (CY)
Deck	236.78	36.83	0.7083		1	6177.7	229
Haunches-Interior	236.78	1.00	0.1667		5	197.4	7
Deck Overhang	236.78	2.92	0.2396		2	330.9	12
	<i>Length (ft)</i>	<i>Width (ft)</i>	<i>Height (ft)</i>		<i>#</i>	Total (CF)	Total (CY)
Diaphragm	32.63	3.75	3.85		2	942.2	35

TOTAL = 283 CY



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QUANTITY COMPUTATIONS

Designed: GTB
 Date: 8/3/22
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 Date: 8/4/22

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

ITEM NO. 511E34451
 QUANTITY 86
 UNIT CY

		<i>Bridge Parapet</i>			
		Area	Length (ft)	#	CY
Bridge		4.09	236.79	2	72
		Area (ft)	Length along app. Slab (ft)	#	CY
Approach Slab	LEFT	4.09	11	2	3
	RIGHT	4.09	11	2	3
Transition 1	LEFT	3.51	14	2	4
Transition 2	RIGHT	3.51	14	2	4
TOTAL=					86
TOTAL=					86
					CY



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QUANTITY COMPUTATIONS

Designed: GTB
 Date: 8/3/22
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DESCRIPTION: CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS

ITEM NO. 511E41010
 QUANTITY 17
 UNIT CY

	EL. A	EL. C	EL. F	Avg Depth (ft)	Width	Length	Vol (CF)	Vol (CY)
Pier 1	633.44	633.84	632.42	1.22	3	34.17	125.06	4.63
Pier 2	635.19	635.56	633.65	1.73	3	34.17	176.83	6.55
Pier 3	636.59	636.93	635.46	1.30	3	34.17	133.26	4.94

TOTAL= 16.12

TOTAL= 17 CY



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QUANTITY COMPUTATIONS

DESCRIPTION: CLASS QC1 CONCRETE, ABUTMENT INCLUDING FOOTING

ITEM NO. 511E43510
 QUANTITY 38
 UNIT CY

Abutment Concrete		Breast	Wingwall	Top Wing	Total		
	Ftg Vol.	Vol.	Vol.	Vol	Vol (CF)	Total (CY)	
Left Wingwall (Rear)	75.105	30.9	45.8	94.5	246.3	9.12	
Right Wingwall (Rear)	80.325	42.1	43.1	99.675	265.2	9.82	
Left Wingwall (Forward)	78.6375	42.1	43.1	99.675	263.5	9.76	
Right Wingwall (Forward)	76.41	30.9	45.8	94.5	247.6	9.17	
Abutment Total=						37.88	
TOTAL=						38.0	CY



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 Date: 8/3/22
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QUANTITY COMPUTATIONS

DESCRIPTION: SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)

ITEM NO. 512E10100
 QUANTITY 888
 UNIT SY

		Sealing		Face Area			
		Ht (ft)	Width (ft)	(SF)	#	Area (SF)	Area (SY)
REAR	STEM FACE	6.38	39.15		1	249.84	27.8
	Left Wingwall	17.17	1.50	63.04	1	88.79	9.9
	Right Wingwall	17.33	1.50	61.20	1	87.20	9.7
						Rear Abutment Total=	425.8
FORWARD	STEM FACE	5.61	39.15		1	219.70	24.4
	Left Wingwall	17.33	1.50	62.05	1	88.05	9.8
	Right Wingwall	17.17	1.50	63.87	1	89.62	10.0
						Forw. Abutment Total=	397.4
					Abutments Total=	823.2	92.00
PIER 1	COLUMNS	14.54	9.42		3	410.9	45.7
	CAP FACES	3.50	28		2	196.0	21.8
	CAP ENDS	3.50	3		2	21.0	2.3
PIER 2	COLUMNS	14.97	9.42		3	423.1	47.0
	CAP FACES	3.50	28		2	196.0	21.8
	CAP ENDS	3.50	3		2	21.0	2.3
PIER 3	COLUMNS	14.54	9.42		3	410.9	45.7
	CAP FACES	3.50	28		2	196.0	21.8
	CAP ENDS	3.50	3		2	21.0	2.3
					PIERS TOTAL=	1895.9	211.0

Superstructure

	Perimeter (ft)	Length (ft)	#	Area (SF)	Area (SY)
LEFT-Parapets	9.54	236.78	1	2258.67	251.0
LEFT-Approach Parapets	7.89	10.9167	2	172.34	19.1
LEFT-Approach Parapet Transition	7.08	14	2	198.24	22.0
				Left Total=	2629.25
RIGHT-Parapets	9.54	236.78	1	2258.67	251.0
RIGHT-Approach Parapets	7.89	10.9167	2	172.34	19.1
RIGHT-Approach Parapets	7.08	14	2	198.24	22.0
				Right Total=	2629.25
				Super Total=	5258.50

TOTAL= 7977.55 888.0 SY



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QUANTITY COMPUTATIONS

Designed: GTB
 Date: 8/3/22
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 Date: 8/4/22

DESCRIPTION: CONCRETE REPAIR BY EPOXY INJECTION

ITEM NO. 512E10600
 QUANTITY 8
 UNIT LF

Abutments	Length (ft)	Height (ft)	#
Rear Abut	8.00		1.00
Fwd Abut			

Area (SF)
8.00

Total= 8.00

TOTAL = 8 LF



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QUANTITY COMPUTATIONS

Designed: GTB
Date: 8/3/22
Checked: RG
Date: 8/4/22

DESCRIPTION: TYPE 2 WATERPROOFING

ITEM NO. 512E33000
QUANTITY 8
UNIT SY

	Length (ft)	Height (ft)	#	Area (SF)
Wingwalls	5.50	3.00	4.00	66.00
Total=				66.00

TOTAL = 8 SY



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Designed: GTB
 Date: 8/3/22
 Checked: RG
 Date: 8/4/22

QUANTITY COMPUTATIONS

DESCRIPTION: STRUCTURAL STEEL MEMBERS, LEVEL 2

ITEM NO. 513E10240
 QUANTITY 253895
 UNIT LB

Beams	Length (ft)	#		Total (lbs)
W27x178	233.5	5		207815
Int. X frames	Length (ft)	#		
MC18x42.7	7.25	70		21670.25
	Area (ft2)	Thick (in)	#	
Connection Plates	1.85	0.5	140	5288
Int. X frames @ Pier	Length (ft)	#		
MC18x42.7	7.64	15		4893
	Area (ft2)	Thick (in)	#	
Connection Plates	1.85	0.5	30	1133
Diaphragm Bolts	Use 0.5 lb per bolt to account for head and nut outside hole		#	
			7650	3825
Splice Plates	Area (ft2)	Thick (in)	#	
Web	4.33	0.75	30	3978
Outside Flanges	4.18	0.5	30	2561
Inside Flanges	1.64	0.5	60	2012
Splice Bolts	Use 0.5 lb per bolt to account for head and nut outside hole		#	
			1440	720
TOTAL =				253895 LB



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QUANTITY COMPUTATIONS

Designed: GTB
 Date: 8/3/22
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 Date: 8/4/22

DESCRIPTION: WELDED STUD SHEAR CONNECTORS

ITEM NO. 513E20000
 QUANTITY 4725
 UNIT EACH

			# of		
			beams		
SHEAR STUD	# of rows	# of			
BEAM	315	3	5		
				Total	4725

TOTAL= 4725 EACH



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QUANTITY COMPUTATIONS

DESCRIPTION: FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT

ITEM NO. 514E00060
 QUANTITY 12300
 UNIT SF

DESCRIPTION: FIELD PAINTING STRUCTURAL STEEL, FINISH COAT

ITEM NO. 514E00066
 QUANTITY 12300
 UNIT SF

DESCRIPTION: FINAL INSPECTION REPAIR

ITEM NO. 514E10000
 QUANTITY 13
 UNIT EACH

	Length (ft)	bf (in)	d (in)	Perim. (in)	#	Area (SF)
Beams (W27x178)	230	14.085	27.81	97.875	5	9379.69
MC18x42.7 Crossframes	7.32			44	85	2281.03
Connection Plates					170	629.00
						Total= 12289.72
Final Inspection Repair	8.00	5				13.00 EACH

Rounded up to account for splice plates

TOTAL = 12300.00 SF



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QUANTITY COMPUTATIONS

Designed: GTB
 Date: 8/3/22
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 Date: 8/4/22

DESCRIPTION: ARMORLESS PREFORMED JOINT SEAL

ITEM NO. 516E10010
 QUANTITY 72
 UNIT LF

	<i>Length (Ft.)</i>	<i>#</i>
<i>REAR ABUTMENT</i>	35.61	1.00
<i>FORWARD ABUTMENT</i>	35.61	1.00

	<i>Length</i>
	35.6
	35.6
ABUTMENT TOTAL=	71.2

TOTAL = 72.0 LF



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QUANTITY COMPUTATIONS

Designed: GTB
 Date: 8/3/22
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DESCRIPTION: 1" PREFORMED EXPANSION JOINT FILLER

ITEM NO. 516E13600
 QUANTITY 17
 UNIT SF

	<i>Area (SF)</i>	<i>#</i>
<i>REAR ABUTMENT</i>	4.08	2.00
<i>FORWARD ABUTMENT</i>	4.08	2.00

	<i>Area</i>	
	8.2	SF
	8.2	SF
ABUTMENT TOTAL=	16.3	SF

TOTAL = 17.0 SF



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QUANTITY COMPUTATIONS

Designed: GTB
 Date: 8/3/22
 Checked: RG
 Date: 8/4/22

DESCRIPTION: 2" PREFORMED EXPANSION JOINT FILLER

ITEM NO. 516E13900
 QUANTITY 150
 UNIT SF

	<i>Length</i>	<i>height</i>	<i>#</i>	Area	
<i>REAR WINGWALLS</i>	32.82	1.25	1	41.0	SF
<i>FORWARD WINGWALLS</i>	32.76	1.25	1	41.0	SF
<i>DIAPHRAGM END (REAR)</i>	3.75	4.48	2	33.6	SF
<i>DIAPHRAGM END (FORWARD)</i>	3.75	4.48	2	33.6	SF
				ABUTMENT TOTAL=	149.2 SF

TOTAL = 150.0 SF



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Designed: GTB
Date: 8/3/22
Checked: RG
Date: 8/4/22

DESCRIPTION: SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL

ITEM NO. 516E14020
QUANTITY 78
UNIT FT

	Length	#	Total (FT)
Rear abutment	38.81	1	39
Forward Abutment	38.81	1	39

TOTAL = 78 FT



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QUANTITY COMPUTATIONS

DESCRIPTION: ELASTOMERIC BEARINGS WITH INTERNAL LAMINATES
 (11"x15"x3.40") AND LOAD PLATE (12"x16"x1.5") (NEOPRENE), AS PER
 PLAN

ITEM NO. 516E44201
 QUANTITY 10
 UNIT EA

	# BRGS	#
Abutments	5	2

Total
10

TOTAL = 10 EA



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Designed: GTB
 Date: 8/3/22
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DESCRIPTION: ELASTOMERIC BEARINGS WITH INTERNAL LAMINATES
 (13"x19"x3.70") AND LOAD PLATE (14"x20"x2.0") (NEOPRENE), AS PER
 PLAN

ITEM NO. 516E44201
 QUANTITY 10
 UNIT EA

	# BRGS	#
Pier 1	5	1
Pier 3	5	1

	Total
	5
	5
TOTAL =	10

EA



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DESCRIPTION: ELASTOMERIC BEARINGS WITH INTERNAL LAMINATES
 (14"x20"x3.70") AND LOAD PLATE (15"x21"x2.0") (NEOPRENE), AS PER
 PLAN

ITEM NO. 516E44201
 QUANTITY 5
 UNIT EA

	# BRGS	#
Pier 2	5	1

Total
5

TOTAL = 5 EA



Project: LAK-002-16.77
 Bridge: LAK-00002-16.770
 Client: ODOT District 12

QUANTITY COMPUTATIONS

Designed: GTB
 Date: 8/3/22
 Checked: RG
 Date: 8/4/22

DESCRIPTION: POROUS BACKFILL WITH GEOTEXTILE FABRIC, AS PER PLAN

ITEM NO. 518E21201
 QUANTITY 62
 UNIT CY

	<i>Top EL.</i>	<i>Bott. EL.</i>	<i>Height (ft)</i>	<i>width</i>	<i>length</i>	<i>#</i>		
REAR ABUTMENT	634.09	625.08	9.01	2	35.61	1	641.69	23.77
FORWARD ABUTMENT	639.42	630.14	9.28	2	35.61	1	660.92	24.48
WINGWALL (REAR ABUTMENT)	633.67	625.33	8.34	2	5.08	2	169.47	6.28
WINGWALL (FWD ABUTMENT)	639.04	630.14	8.9	2	5.08	2	180.85	6.70
							ABUTMENTS TOTAL=	61.22

TOTAL = 62.0 CY



Project: LAK-002-16.77
 Bridge: LAK-00002-16.770
 Client: ODOT District 12

QUANTITY COMPUTATIONS

Designed: GTB
 Date: 8/3/22
 Checked: RG
 Date: 8/4/22

DESCRIPTION: 6" PERFORATED CORRUGATED PLASTIC PIPE

ITEM NO. 518E40000
 QUANTITY 92
 UNIT FT

	Length	#	Total (FT)
Rear Abutment	45.77	1	46
Forward Abutment	45.77	1	46

TOTAL = 92 FT



Project: LAK-002-16.77
 Bridge: LAK-00002-16.770
 Client: ODOT District 12

QUANTITY COMPUTATIONS

Designed: GTB
 Date: 8/3/22
 Checked: RG
 Date: 8/4/22

DESCRIPTION: 6" NON-PERFORATED CORRUGATED PLASTIC PIPE INCLUDING SPECIALS, AS PER PLAN

ITEM NO. 518E40011
 QUANTITY 83
 UNIT FT

	Length (ft)		Total (FT)
	Left Wing	Rt Wing	
Rear Abutment	23	8	31
Forward Abutment	26	26	52

TOTAL = 83 FT



Project: LAK-002-16.77
 Bridge: LAK-00002-16.770
 Client: ODOT District 12

QUANTITY COMPUTATIONS

Designed: GTB
 Date: 8/3/22
 Checked: RG
 Date: 8/4/22

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

ITEM NO. 526E25010
 QUANTITY 205
 UNIT SY

	Width (ft)	Len (ft)	#	Total (SF)	Total (SY)
Rear	36.8333	25	1	920.83	102.3
Forward	36.8333	25	1	920.83	102.3
Total=				1841.7	204.6

TOTAL = 205.0 SY



Project: LAK-002-16.77
 Bridge: LAK-00002-16.770
 Client: ODOT District 12

QUANTITY COMPUTATIONS

Designed: GTB
 Date: 8/3/22
 Checked: RG
 Date: 8/4/22

DESCRIPTION: TYPE C INSTALLATION, AS PER PLAN

ITEM NO. 526E90031
 QUANTITY 74
 UNIT FT

	Len (ft)	#
Rear Sleeper Slab	36.67	1
Forward Sleeper Slab	36.67	1

**Total
Length
(FT)**

36.7
36.7
TOTAL 73.3

TOTAL = 74.0 FT



Project: LAK-002-16.77
Bridge: LAK-00002-16.770
Client: ODOT District 12

QUANTITY COMPUTATIONS

Designed: GTB
Date: 8/3/22
Checked: RG
Date: 8/4/22

DESCRIPTION: CRUSHED AGGREGATE SLOPE PROTECTION, AS PER PLAN

ITEM NO. 601E20001
QUANTITY 55
UNIT SY

Use Contingency Quantity of 55 SY

TOTAL = 55.0 SY



Project: LAK-002-16.77
Bridge: LAK-00002-16.770
Client: ODOT District 12

Designed: GTB
Date: 8/3/22
Checked: RG
Date: 8/4/22

QUANTITY COMPUTATIONS

DESCRIPTION: VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC, AS PER PLAN

ITEM NO. 607E39901
QUANTITY 450
UNIT FT

	Len (ft)	#	Total Length (FT)
Vandal Fence Length	225	2	450.0

TOTAL = 450.0 FT



Project: LAK-002-16.77
Bridge: LAK-00002-16.770
Client: ODOT District 12

QUANTITY COMPUTATIONS

Designed: GTB
Date: 8/3/22
Checked: RG
Date: 8/4/22

DESCRIPTION: STRUCTURE GROUNDING SYSTEM

ITEM NO. 625E33000
QUANTITY 1
UNIT EACH

No. per bridge	#
1	1

Total
1.0

TOTAL = 1.0 EACH