

ZOO INTERCHANGE BRIDGES
Summary Of Costs

B-40-100	1 LS	\$	3,570,807.75
B-40-102	1 LS	\$	3,869,394.00
B-40-103	1 LS	\$	3,934,907.00
Total Cost		\$	11,375,108.75

Zoo Interchange - Emergency Repair

Bridge B-40-100	1 LS \$ 3,570,807.75
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Below quantities and unit prices are for adjustment off of the above lump sum price.
THE EXTENDED TOTALS DO NOT ADD UP TO THE LUMP SUM.

<u>Primary Structure Quantities</u>		<u>Quantity</u>	<u>U/M</u>	<u>Unit Price</u>
203.0200	Removing Old Structure, B-40-100	1	LS \$	67,000.00
206.1000	Excavation for Structure B-40-100	1	LS \$	5,000.00
512.0500	Piling Steel Sheet Permanent, delivered	3300	SF \$	16.80
512.0600	Piling Steel Sheet Permanent, installed	3300	SF \$	23.50
502.0100	Concrete Masonry, Bridges	850	CY \$	400.00
502.3200	Protective Surface Treatment	500	SY \$	4.00
505.0405	HS Bar Steel Reinforcement	100130	LB \$	0.70
506.2605	Bearing Pads, Elastomeric Non Laminated	20	EA \$	50.00
506.4000	Steel Diaphragms, B-40-100	9	EA \$	325.00
510.3023	Piling Delivered and Driven, 10 3/4" x .250-inch	4000	LF \$	25.00
Special	Prestress Girders, Type 1, 36W-inch	900	LF \$	160.00
<u>Primary Grading Quantities</u>				
205.0100	Excavation Common	4875	CY \$	8.75
208.0100	Borrow - Imported Granular	3100	CY \$	22.50
312.0110	Selected Crushed Material	3000	TN \$	15.00
305.0120	Base Aggregate Dense, 1 1/4-inch	2000	TN \$	15.00
	Structure Backfill	5880	TN \$	16.00
<u>Primary Bituminous Quantities</u>				
455.0605	Tack Coat	245	GA \$	9.00
460.1130	HMA Pavement, Type E-30	1445	TN \$	76.95
460.1132	HMA Pavement, Type E-30X	480	TN \$	91.15
465.0125	Asphaltic Surface Temporary	410	TN \$	105.00
<u>Primary Concrete Paving Quantities</u>				
416.0050	Concrete Pavement Approach Slab	222	SY \$	140.00
603.0105	Concrete Barrier Single Faced, 32-inch	2800	LF \$	88.00
<u>Primary Traffic Control Quantities</u>				
603.0500	Concrete Barrier Temporary - Contractor Installed	1850	LF \$	18.00
603.0801	Concrete Barrier Temporary - Contractor Delivered	1850	LF \$	5.00
	Changeable Message Boards	2	EA \$	7,200.00
	Fixed Message Signs	400	SF \$	20.00
	Wide Crash Cushion	0	EA \$	22,000.00
	Temporary Crash Cushions	3	EA \$	6,000.00
	Temporary & Permanent Traffic Lines	1	LS \$	10,000.00
	Single Lane Closure	35	EA \$	300.00
	Double Lane Closure	2	EA \$	480.00
	Traffic Control	1	LS \$	103,783.00

Bridge B-40-102	1	LS	\$ 3,869,394.00
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<u>Primary Structure Quantities</u>	<u>Quantity</u>	<u>U/M</u>	<u>Unit Price</u>
203.0200 Removing Old Structure, B-40-102	1	LS	\$ 293,000.00
206.1000 Excavation for Structure B-40-102	1	LS	\$ 15,000.00
502.0100 Concrete Masonry, Bridges	610	CY	\$ 400.00
502.3200 Protective Surface Treatment	1100	SY	\$ 4.00
503.0155 Prestress Girders, Type 1, 54W-inch	1080	LF	\$ 175.00
505.0405 HS Bar Steel Reinforcement	146900	LB	\$ 0.70
506.2605 Bearing Pads, Elastomeric Non Laminated	48	EA	\$ 50.00
506.4000 Steel Diaphragms, B-40-102	28	EA	\$ 625.00
510.3023 Piling Delivered and Driven, 10 3/4" x .250-inch	7400	LF	\$ 25.00
Special Prestress Girders, Type 1, 36W-inch	1072	LF	\$ 160.00
 <u>Primary Grading Quantities</u>			
205.0100 Excavation Common	7700	CY	\$ 8.75
208.0100 Borrow - Imported Granular	2100	CY	\$ 22.50
312.0110 Selected Crushed Material	3300	TN	\$ 15.00
305.0120 Base Aggregate Dense, 1 1/4-inch	2200	TN	\$ 15.00
Structure Backfill	340	TN	\$ 16.00
 <u>Primary Bituminous Quantities</u>			
455.0605 Tack Coat	180	GA	\$ 9.00
460.1130 HMA Pavement, Type E-30	1100	TN	\$ 77.50
460.1132 HMA Pavement, Type E-30X	370	TN	\$ 93.60
 <u>Primary Concrete Paving Quantities</u>			
416.0050 Concrete Pavement Approach Slab	175	SY	\$ 140.00
603.0105 Concrete Barrier Single Faced, 32-inch	750	LF	\$ 88.00
 <u>Primary Traffic Control Quantities</u>			
603.0500 Concrete Barrier Temporary - Contractor Installed	2900	LF	\$ 18.00
603.0801 Concrete Barrier Temporary - Contractor Delivered	2900	LF	\$ 5.00
Special Changeable Message Boards	3	EA	\$ 7,200.00
Special Fixed Message Signs	600	SF	\$ 20.00
Special Wide Crash Cushion	0	EA	\$ 22,000.00
Special Temporary Crash Cushions	3	EA	\$ 6,000.00
Special Temporary & Permanent Traffic Lines	1	LS	\$ 15,000.00
Special Single Lane Closure	52	EA	\$ 300.00
Special Double Lane Closure	6	EA	\$ 480.00
Traffic Control	1	LS	\$ 160,423.00

Bridge B-40-103	1 LS \$ 3,934,907.00
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<u>Primary Structure Quantities</u>	<u>Quantity</u>	<u>U/M</u>	<u>Unit Price</u>
203.0200 Removing Old Structure, B-40-103	1	LS \$	325,000.00
206.1000 Excavation for Structure B-40-103	1	LS \$	12,000.00
512.0500 Piling Steel Sheet Permanent, delivered	600	SF \$	16.80
512.0600 Piling Steel Sheet Permanent, installed	600	SF \$	23.50
502.0100 Concrete Masonry, Bridges	478	CY \$	400.00
502.3200 Protective Surface Treatment	902	SY \$	4.00
503.0172 Prestress Girders, Type 1, 72W-inch	1320	LF \$	198.00
505.0405 HS Bar Steel Reinforcement	119300	LB \$	0.70
506.2605 Bearing Pads, Elastomeric Non Laminated	32	EA \$	50.00
506.4000 Steel Diaphragms, B-40-103	21	EA \$	625.00
510.3023 Piling Delivered and Driven, 10 3/4" x .250-inch	4700	LF \$	25.00
Special Prestress Girders, Type 1, 36W-inch	536	LF \$	130.00
 <u>Primary Grading Quantities</u>			
205.0100 Excavation Common	16150	CY \$	8.75
208.0100 Borrow - Imported Granular	5000	CY \$	22.50
312.0110 Selected Crushed Material	1600	TN \$	15.00
305.0120 Base Aggregate Dense, 1 1/4-inch	1100	TN \$	15.00
Structure Backfill	340	TN \$	16.00
 <u>Primary Bituminous Quantities</u>			
455.0605 Tack Coat	180	GA \$	9.00
460.1130 HMA Pavement, Type E-30	1100	TN \$	77.50
460.1132 HMA Pavement, Type E-30X	370	TN \$	93.60
 <u>Primary Concrete Paving Quantities</u>			
416.0050 Concrete Pavement Approach Slab	175	SY \$	140.00
603.0105 Concrete Barrier Single Faced, 32-inch	1200	LF \$	88.00
 <u>Primary Traffic Control Quantities</u>			
603.0500 Concrete Barrier Temporary - Contractor Installed	2150	LF \$	18.00
603.0801 Concrete Barrier Temporary - Contractor Delivered	2150	LF \$	5.00
643.0100 Traffic Control, B-40-103	1	LS \$	160,423.00
Special Changeable Message Boards	3	EA \$	7,200.00
Special Fixed Message Signs	500	SF \$	20.00
Special Wide Crash Cushion	0	EA \$	22,000.00
Special Temporary Crash Cushions	4	EA \$	6,000.00
Special Temporary & Permanent Traffic Lines	1	LS \$	15,000.00
Special Single Lane Closure	53	EA \$	300.00
Special Double Lane Closure	8	EA \$	480.00