ELMORE STP CULV(64)

Estimate FINAL - Engineer's Estimate - B90

Phase: FINAL Designed By:

Estimate Date: 03 June, 2022 Reviewed By: Jon Olin

Specification: Standard Specifications for Construction Approved By:

Region: NORTHWEST Work Type: BRIDGE CONSTRUCTION

Town: ELMORE Highway Type: MAJOR COLLECTOR

Advertising Season: Urban/Rural: RURAL

Description: EXISTING CULVERT REPLACEMENT WITH STEEL GIRDER BRIDGE WITH ASSOCIATED ROADWAY

IMPROVEMENTS.

Category

1011 - ROADWAY

Item Number	Description	Supplemental Description	Quantity	Unit	Unit Price	Amount
201.10	CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS	(BRIDGE 90)	1.00	LS	\$17,000.000	\$17,000.00
203.15	COMMON EXCAVATION		1,250.00	CY	\$12.042	\$15,052.50
203.16	SOLID ROCK EXCAVATION		10.00	CY	\$80.409	\$804.09
203.30	EARTH BORROW		85.00	CY	\$5.203	\$442.26
204.20	TRENCH EXCAVATION OF EARTH		30.00	CY	\$22.543	\$676.29
204.22	TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.)		1.00	CY	\$75.000	\$75.00
210.10	COARSE-MILLING, BITUMINOUS PAVEMENT		1,000.00	SY	\$6.648	\$6,648.00
301.35	SUBBASE OF DENSE GRADED CRUSHED STONE		1,200.00	CY	\$35.588	\$42,705.60
401.10	AGGREGATE SURFACE COURSE		100.00	CY	\$46.919	\$4,691.90
404.65	EMULSIFIED ASPHALT		20.00	CWT	\$47.996	\$959.92
406.38	HAND-PLACED BITUMINOUS CONCRETE MATERIAL, DRIVES		25.00	SY	\$29.544	\$738.60
406.50	PRICE ADJUSTMENT, ASPHALT CEMENT (N.A.B.I.)		1.00	LU	\$1.000	\$1.00
613.10	STONE FILL, TYPE I		10.00	CY	\$61.389	\$613.89
616.28	CAST-IN-PLACE CONCRETE CURB, TYPE B		160.00	LF	\$36.346	\$5,815.36
619.20	REMOVING AND RESETTING PROPERTY MARKERS		2.00	EACH	\$335.000	\$670.00
621.20	STEEL BEAM GUARDRAIL, GALVANIZED	(MIDWEST GUARDRAIL SYSTEM)	487.50	LF	\$20.413	\$9,951.34
621.51	MANUFACTURED TERMINAL SECTION, TANGENT		5.00	EACH	\$2,309.112	\$11,545.56
621.72	GUARDRAIL APPROACH SECTION, GALVANIZED 2 RAIL BOX BEAM		4.00	EACH	\$1.252	\$5.01
621.80	REMOVAL AND DISPOSAL OF GUARDRAIL		640.00	LF	\$1.172	\$750.08
630.10	UNIFORMED TRAFFIC OFFICERS		115.00	HR	\$67.474	\$7,759.51
630.15	FLAGGERS		560.00	HR	\$34.826	\$19,502.56

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635.11	MOBILIZATION/DEMOBILIZATION	(BRIDGE 90)	1.00	LS	\$190,000.000	\$190,000.00
641.11	TRAFFIC CONTROL, ALL-INCLUSIVE	(BRIDGE 90)	1.00	LS	\$13,000.000	\$13,000.00
641.15	PORTABLE CHANGEABLE MESSAGE SIGN		2.00	EACH	\$3,944.194	\$7,888.39
646.201	4 INCH WHITE LINE, WATERBORNE PAINT		1,360.00	LF	\$0.667	\$907.12
646.2111	4 INCH YELLOW LINE, WATERBORNE PAINT		1,360.00	LF	\$0.703	\$956.08
675.50	REMOVING SIGNS		3.00	EACH	\$16.439	\$49.32
675.60	RESETTING SIGNS		3.00	EACH	\$28.616	\$85.85
676.10	DELINEATOR WITH STEEL POST		5.00	EACH	\$77.786	\$388.93
676.12	REMOVAL OF EXISTING DELINEATOR AND POST		3.00	EACH	\$2.191	\$6.57
678.40	TEMPORARY TRAFFIC SIGNAL SYSTEM		1.00	EACH	\$35,000.000	\$35,000.00
900.680	SPECIAL PROVISION	(BITUMINOUS CONCRETE PAVEMENT, SMALL QUANTITY)	550.00	TON	\$107.236	\$58,979.80
					Category total:	\$453,670.52
Category 1031 - TRAINI		Circulary and all Description	Ou antitu	11-4	Linit Drive	A
Idama Nilamahan	Description	Supplemental Description	Quantity		Unit Price	Amount \$3,621.49
Item Number	·		208 00	ЦΡ	£17 /11	
Item Number 634.10	EMPLOYEE TRAINEESHIP		208.00	HR	\$17.411	φ3,021.49
	·		208.00	HR	\$17.411 Category total:	\$3,621.49
	EMPLOYEE TRAINEESHIP		208.00	HR	·	
634.10 Category	EMPLOYEE TRAINEESHIP	Supplemental Description	208.00 Quantity		·	
634.10 Category 1051 - EROSIG	EMPLOYEE TRAINEESHIP ON CONTROL	Supplemental Description		Unit	Category total:	\$3,621.49
Category 1051 - EROSIG	EMPLOYEE TRAINEESHIP ON CONTROL Description	Supplemental Description	Quantity	Unit LB	Category total: Unit Price	\$3,621.49 Amount
Category 1051 - EROSIO Item Number 651.15	EMPLOYEE TRAINEESHIP ON CONTROL Description SEED	Supplemental Description	Quantity 35.00 200.00	Unit LB	Category total: Unit Price \$9.528	\$3,621.49 Amount \$333.48
Category 1051 - EROSIG Item Number 651.15 651.18	EMPLOYEE TRAINEESHIP ON CONTROL Description SEED FERTILIZER	Supplemental Description	Quantity 35.00 200.00	Unit LB LB TON	Category total: Unit Price \$9.528 \$3.565	\$3,621.49 Amount \$333.48 \$713.00
Category 1051 - EROSIG Item Number 651.15 651.18 651.20	EMPLOYEE TRAINEESHIP ON CONTROL Description SEED FERTILIZER AGRICULTURAL LIMESTONE	Supplemental Description (12 INCH)	Quantity 35.00 200.00 2.00	Unit LB LB TON	Unit Price \$9.528 \$3.565 \$679.823	\$3,621.49 Amount \$333.48 \$713.00 \$1,359.65
Category 1051 - EROSIG Item Number 651.15 651.18 651.20 651.35	EMPLOYEE TRAINEESHIP ON CONTROL Description SEED FERTILIZER AGRICULTURAL LIMESTONE TOPSOIL		Quantity 35.00 200.00 2.00 60.00	Unit LB LB TON CY SY	Unit Price \$9.528 \$3.565 \$679.823 \$38.787	\$3,621.49 Amount \$333.48 \$713.00 \$1,359.65 \$2,327.22
Category 1051 - EROSIG Item Number 651.15 651.18 651.20 651.35 651.40	DN CONTROL Description SEED FERTILIZER AGRICULTURAL LIMESTONE TOPSOIL GRUBBING MATERIAL	(12 INCH)	Quantity 35.00 200.00 2.00 60.00 2,170.00	Unit LB LB TON CY SY	Unit Price \$9.528 \$3.565 \$679.823 \$38.787 \$3.500	\$3,621.49 Amount \$333.48 \$713.00 \$1,359.65 \$2,327.22 \$7,595.00
Category 1051 - EROSIG Item Number 651.15 651.18 651.20 651.35 651.40 653.01	DN CONTROL Description SEED FERTILIZER AGRICULTURAL LIMESTONE TOPSOIL GRUBBING MATERIAL EPSC PLAN	(12 INCH)	Quantity 35.00 200.00 2.00 60.00 2,170.00 1.00	Unit LB LB TON CY SY LS HR	Unit Price \$9.528 \$3.565 \$679.823 \$38.787 \$3.500 \$3,600.000	\$3,621.49 Amount \$333.48 \$713.00 \$1,359.65 \$2,327.22 \$7,595.00 \$3,600.00
Category 1051 - EROSIG Item Number 651.15 651.18 651.20 651.35 651.40 653.01 653.02	Description SEED FERTILIZER AGRICULTURAL LIMESTONE TOPSOIL GRUBBING MATERIAL EPSC PLAN MONITORING EPSC PLAN	(12 INCH)	Quantity 35.00 200.00 2.00 60.00 2,170.00 1.00 1.00	Unit LB LB TON CY SY LS HR	Unit Price \$9.528 \$3.565 \$679.823 \$38.787 \$3.500 \$3,600.000 \$35.410	\$3,621.49 Amount \$333.48 \$713.00 \$1,359.65 \$2,327.22 \$7,595.00 \$3,600.00 \$3,611.82
Category 1051 - EROSIG Item Number 651.15 651.18 651.20 651.35 651.40 653.01 653.02 653.03	Description SEED FERTILIZER AGRICULTURAL LIMESTONE TOPSOIL GRUBBING MATERIAL EPSC PLAN MONITORING EPSC PLAN MAINTENANCE OF EPSC PLAN (N.A.B.I.)	(12 INCH) (BRIDGE 90)	Quantity 35.00 200.00 2.00 60.00 2,170.00 1.00 1.00	Unit LB LB TON CY SY LS HR LU TON	Unit Price \$9.528 \$3.565 \$679.823 \$38.787 \$3.500 \$3,600.000 \$35.410 \$4,000.000	\$3,621.49 Amount \$333.48 \$713.00 \$1,359.65 \$2,327.22 \$7,595.00 \$3,600.00 \$3,611.82 \$4,000.00
Category 1051 - EROSIG Item Number 651.15 651.18 651.20 651.35 651.40 653.01 653.02 653.03 653.10	DN CONTROL Description SEED FERTILIZER AGRICULTURAL LIMESTONE TOPSOIL GRUBBING MATERIAL EPSC PLAN MONITORING EPSC PLAN MAINTENANCE OF EPSC PLAN (N.A.B.I.) HAY MULCH	(12 INCH) (BRIDGE 90)	Quantity 35.00 200.00 2.00 60.00 2,170.00 1.00 102.00 1.00 2.00	Unit LB LB TON CY SY LS HR LU TON SY	Unit Price \$9.528 \$3.565 \$679.823 \$38.787 \$3.500 \$3,600.000 \$35.410 \$4,000.000 \$688.979	\$3,621.49 Amount \$333.48 \$713.00 \$1,359.65 \$2,327.22 \$7,595.00 \$3,600.00 \$3,611.82 \$4,000.00 \$1,377.96
Category 1051 - EROSIG Item Number 651.15 651.18 651.20 651.35 651.40 653.01 653.02 653.03 653.10 653.20	DN CONTROL Description SEED FERTILIZER AGRICULTURAL LIMESTONE TOPSOIL GRUBBING MATERIAL EPSC PLAN MONITORING EPSC PLAN MAINTENANCE OF EPSC PLAN (N.A.B.I.) HAY MULCH ROLLED EROSION CONTROL PRODUCT, TYPE	(12 INCH) (BRIDGE 90)	Quantity 35.00 200.00 2.00 60.00 1.00 1.00 1.00 2.00 1,200.00	Unit LB LB TON CY SY LS HR LU TON SY CY	Unit Price \$9.528 \$3.565 \$679.823 \$38.787 \$3.500 \$3,600.000 \$35.410 \$4,000.000 \$688.979 \$1.839	\$3,621.49 Amount \$333.48 \$713.00 \$1,359.65 \$2,327.22 \$7,595.00 \$3,600.00 \$3,611.82 \$4,000.00 \$1,377.96 \$2,206.80
Category 1051 - EROSIG Item Number 651.15 651.18 651.20 651.35 651.40 653.01 653.02 653.03 653.10 653.20	DN CONTROL Description SEED FERTILIZER AGRICULTURAL LIMESTONE TOPSOIL GRUBBING MATERIAL EPSC PLAN MONITORING EPSC PLAN MAINTENANCE OF EPSC PLAN (N.A.B.I.) HAY MULCH ROLLED EROSION CONTROL PRODUCT, TYPE I CHECK DAM, TYPE I	(12 INCH) (BRIDGE 90)	Quantity 35.00 200.00 2.00 60.00 1.00 1.00 2.00 1,200.00 2,000 35.00	Unit LB LB TON CY SY LS HR LU TON SY CY	Unit Price \$9.528 \$3.565 \$679.823 \$38.787 \$3.500 \$3,600.000 \$35.410 \$4,000.000 \$688.979 \$1.839 \$58.365	\$3,621.49 Amount \$333.48 \$713.00 \$1,359.65 \$2,327.22 \$7,595.00 \$3,600.00 \$3,611.82 \$4,000.00 \$1,377.96 \$2,206.80 \$1,167.30

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				Category total:	\$35,348.30
653.55	PROJECT DEMARCATION FENCE	540.00	LF	\$1.181	\$637.74
653.50	BARRIER FENCE	920.00	LF	\$1.809	\$1,664.28
653.476	SILT FENCE, TYPE II	390.00	LF	\$4.811	\$1,876.29

Category

1211 - BRIDGE NO. 1

Item Number	Description	Supplemental Description	Quantity	Unit	Unit Price	Amount
203.16	SOLID ROCK EXCAVATION		50.00	CY	\$80.409	\$4,020.45
203.27	UNCLASSIFIED CHANNEL EXCAVATION		5,230.00	CY	\$13.670	\$71,494.10
204.30	GRANULAR BACKFILL FOR STRUCTURES		1,250.00	CY	\$35.202	\$44,002.50
208.30	COFFERDAM EXCAVATION, EARTH		2,070.00	CY	\$20.000	\$41,400.00
208.35	COFFERDAM EXCAVATION, ROCK		210.00	CY	\$100.000	\$21,000.00
208.40	COFFERDAM	(BRIDGE 90 - ABUTMENT 1)	1.00	LS	\$155,000.000	\$155,000.00
208.40	COFFERDAM	(BRIDGE 90 - ABUTMENT 2)	1.00	LS	\$130,000.000	\$130,000.00
501.37	HIGH PERFORMANCE CONCRETE, CLASS PCD		70.00	CY	\$810.000	\$56,700.00
501.38	HIGH PERFORMANCE CONCRETE, CLASS PCS		500.00	CY	\$1,100.000	\$550,000.00
506.50	STRUCTURAL STEEL, ROLLED BEAM		57,000.00	LB	\$1.906	\$108,642.00
507.11	REINFORCING STEEL, LEVEL I	(EPOXY COATED)	9,000.00	LB	\$1.617	\$14,553.00
507.11	REINFORCING STEEL, LEVEL I	(UNCOATED)	90,000.00	LB	\$1.500	\$135,000.00
507.12	REINFORCING STEEL, LEVEL II	(CONTINUOUSLY GALVANIZED)	16,000.00	LB	\$2.500	\$40,000.00
508.15	SHEAR CONNECTORS	(XXXX - 7/8" X 7")	1.00	LS	\$7,000.000	\$7,000.00
514.10	WATER REPELLENT, SILANE		50.00	GAL	\$62.237	\$3,111.85
516.10	BRIDGE EXPANSION JOINT, ASPHALTIC PLUC	3	35.00	LF	\$137.098	\$4,798.43
525.33	BRIDGE RAILING, GALVANIZED 2 RAIL BOX BEAM		90.00	LF	\$140.000	\$12,600.00
528.10	ONE-WAY TEMPORARY BRIDGE	(BRIDGE 90, 2400 SF - EST.)	1.00	LS	\$400,000.000	\$400,000.00
529.15	REMOVAL OF STRUCTURE	(6'-0" X 208'-0" CGMPP)	1.00	EACH	\$20,000.000	\$20,000.00
531.17	BEARING DEVICE ASSEMBLY, STEEL REINFORCED ELASTOMERIC PAD		10.00	EACH	\$1,400.000	\$14,000.00
541.30	CONCRETE, CLASS C		140.00	CY	\$441.288	\$61,780.32
608.25	ALL PURPOSE EXCAVATOR RENTAL, TYPE I		10.00	HR	\$121.663	\$1,216.63
613.06	STONE FILL, STREAM BED MATERIAL	(E-STONE TYPE III)	470.00	CY	\$50.000	\$23,500.00
613.12	STONE FILL, TYPE III		2,225.00	CY	\$40.860	\$90,913.50
649.31	GEOTEXTILE UNDER STONE FILL		2,780.00	SY	\$1.669	\$4,639.82

Category total: \$2,015,372.60

ELMORE STP CULV(64)

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Supplemental Description

Quantity Unit

1.00 LS

Unit Price

\$14,400.000

Amount \$14,400.00

Categ	ory	
1999	FULL C.E. ITEM	s

Description

FIELD OFFICE, ENGINEERS

SPECIAL PROVISION

900.620

Item Number

631.10

001110	TILLE OTTIOL, LITORILLING		1.00		φ ι ι, ισσ.σσσ	Ψ11,100.00
631.16	TESTING EQUIPMENT, CONCRETE		1.00	LS	\$1,000.000	\$1,000.00
631.17	TESTING EQUIPMENT, BITUMINOUS		1.00	LS	\$700.000	\$700.00
631.26	FIELD OFFICE COMMUNICATIONS (N.A.B.I.)		1,200.00	DL	\$1.000	\$1,200.00
					Category total:	\$17,300.00
Category 3041 - LANDS	SCAPING					
Item Number	Description	Supplemental Description	Quantity	Unit	Unit Price	Amount
656.20	EVERGREEN TREES	(ABIES BALSAMEA)(3'-4' HT.)(B&B)	5.00	EACH	\$340.000	\$1,700.00
656.20	EVERGREEN TREES	(PICEA GLAUCA)(3'-4' HT.) (B&B)	7.00	EACH	\$340.000	\$2,380.00
656.20	EVERGREEN TREES	(TSUGA CANADENSIS)(3'- 4F HT.)(B&B)	5.00	EACH	\$340.000	\$1,700.00
656.30	DECIDUOUS TREES	(ACER RUBRUM)(2" - 2.5" CAL.)(B&B)	3.00	EACH	\$770.000	\$2,310.00
656.30	DECIDUOUS TREES	(ACER SACCHARINUM) (B&B)(2" - 2.5" DIA.)	3.00	EACH	\$770.000	\$2,310.00
656.30	DECIDUOUS TREES	(ALNUS RUGOSA)(3'-4' HT.) (CONT.)	5.00	EACH	\$770.000	\$3,850.00
656.30	DECIDUOUS TREES	(FAGUS GRANDIFOLIA)(2"- 2.5" CAL.)(B&B)	2.00	EACH	\$770.000	\$1,540.00
656.35	DECIDUOUS SHRUBS	(CORNUS SERICEA)(3 GALLON)(CONT.)	11.00	EACH	\$80.000	\$880.00
656.35	DECIDUOUS SHRUBS	(SPIRAEA TOMENTOSA)(3 GALLON)(CONT.)	7.00	EACH	\$80.000	\$560.00
656.65	LANDSCAPE WATERING		20.00	MGAL	\$105.000	\$2,100.00
656.80	LANDSCAPE BACKFILL, TRUCK MEASUREMENT		209.00	CY	\$80.000	\$16,720.00
900.620	SPECIAL PROVISION	(TUBELING)(ABIES BALSAMEA)(PLUG)	20.00	EACH	\$13.000	\$260.00
900.620	SPECIAL PROVISION	(TUBELING)(CORNUS SERICEA)(PLUG)	20.00	EACH	\$13.000	\$260.00
900.620	SPECIAL PROVISION	(TUBELING)(PICEA GLAUCA)(PLUG)	20.00	EACH	\$13.000	\$260.00
900.620	SPECIAL PROVISION	(TUBELING)(PINUS STROBUS)(PLUG)	20.00	EACH	\$13.000	\$260.00
900.620	SPECIAL PROVISION	(TUBELING)(SALIX DISCOLOR)(PLUG)	20.00	EACH	\$13.000	\$260.00
900.620	SPECIAL PROVISION	(TUBELING)(SALIX SERICEA)(PLUG)	40.00	EACH	\$13.000	\$520.00
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(TUBELING)(TSUGA CANADENSIS)(PLUG)

20.00 EACH

Grand Total: \$2,563,442.91

\$13.000

Category total:

\$260.00

\$38,130.00