

## proud past, promising future

TO:

**Acting County Manager** 

FROM:

Michael Westerman, Purchasing Manager

DATE:

February 11, 2016

SUBJECT: Award of CRP #322112 – Carty Road Reconstruction NE 10<sup>th</sup> Avenue to NW Hillhurst Avenue

The Carty Road Reconstruction project entails replacing an existing, undersized, failing culvert, with a new culvert structure spanning Gee Creek in northwest Clark County near the City of Ridgefield. The new structure will allow aquatic life and fluvial debris to pass, and accommodate 100 year flood flows. Construction will also include clearing trees, placing riprap, grade control structures in the channel, localized road widening, install new guardrail, and upgrade existing guardrail.

Purchasing received ten responses to CRP #322112. The bids were checked for accuracy, content, and compliance to specifications.

Purchasing and Public Works recommend the Carty Road Reconstruction be awarded to the low bidder, Thompson Bros. Excavating Inc. of Vancouver, WA in the total bid amount of \$1,591,114.00 including Washington State Sales Tax.

Approved award

Mark McCauley, Acting County Manager Clark County, Washington

2/17/16 Date



proud past, promising future

## MEMORANDUM

TO: Michael Westerman, Purchasing Manager

FROM: David Dolan, P.E., PMP, Construction Manager

for

Heath Henderson, P.E., Director/County Engineer

DATE: February 10, 2016

REF: Carty Road Reconstruction

NE 10th Avenue to NW Hillhurst Avenue

CRP #322112

Federal Aid # STPR-E068(001) WSDOT Contract # TA-5613

SUBJECT: BID AWARD

The Carty Road Reconstruction project entails replacing an existing, undersized, failing culvert, with a new culvert structure spanning Gee Creek in northwest Clark County near the City of Ridgefield. The new structure will allow aquatic life and fluvial debris to pass, and accommodate 100 year flood flows. Construction will also include clearing trees, placing riprap, grade control structures in the channel, and localized road widening.

Pavement in the project area will be fully reconstructed due to the need to construct an open trench to remove the existing culvert and install a new CMP. A structural overlay will be constructed throughout the project limits to tie back into existing asphalt. New guardrail will be installed and existing guardrail upgraded to shield motorist from hazards located along the side of the roadway.

Below is a brief summary of the costs for the Carty Road Reconstruction project:

Expenses

Design/Engineering	\$383,500
Right-of-Way/Real Properties	\$50,000
Construction Contract -	\$1,591,114
Construction Management & Engineering	\$133,554
Total Project Estimated Cost:	\$2,158,168

**Budgeted Revenue** 

State of Washington - County Road	\$275,000				
Administration Board - Rural Arterial					
Program (Grant)					
Regional Transportation Council Surface	\$1,300,000				
Transportation Program - Rural (Grant)					
County Road Fund	\$943,168				
Total Budgeted Revenues:	\$2,158,168				

This project will provide 16 family wage jobs for the community.

The Department of Public Works has reviewed the submitted bids for the proposed construction of the above subject project.

The bids have been checked for accuracy and compliance with the bidding requirements.

**Ten (10)** firms submitted bids in the amounts shown on the attached Tabulation of Bids and Bidders. The low bid of \$1,591,114.00 was submitted by Thompson BROS Excavating, INC. of Vancouver, WA.

We recommend that the Acting County Manager award the contract for the construction of Carty Road Reconstruction NE 10th Avenue to NW Hillhurst Avenue, CRP #322112, to Thompson BROS Excavating, INC in the amount of \$1,591,114.00.

Attachment:

1) Tabulated Bids

2) Aerial Map

cc w/enc:

Susan Wilson - Transportation Programming Manager

Amanda Miller - Auditor/Accounting Scot Brantley - Project Manager

Matt Hall - Project Management Manager

Tom Grange – Engineering & Construction Division Manager Heath Henderson – Public Works Director/County Engineer

Project File - Contract

Project File - Correspondence



DATE OF BID OPENING:	February 2, 2016	County Ros	ad Project: Carty Road	Culvert Replacement	C.R.P.#	322112		***************************************					
Spec Yr: 14	PUBLIC SERVICE CENTER, SIXTH FLOOR			Thompson Bros. Excavating 18211 NE Fourth Plain Rd.	Tapani, Inc. 1904 SE 8th Place	Cotf Construction LLC PO Box 1434	Keystone Contracting, Inc. 417 NW 209th Street	Rotschy Inc. 9210 NE 62nd Ave	Elting Northwest Inc. PO Box 1400	McDonaid Excavating Inc. 2719 Main Street	Nutter Corporation 7211-A NE 43rd Avenue	Kert Contractors Oragon, Inc. PO Box 1080	Anderson Environmental 705 Colorado Street
	Commissioners Hearing Room Office of Clark County Commissioners		ENGINEER'S ESTIMATE	Vancouver, WA 98682 380-254-7066	Battle Ground, WA 98604 360-687-1148	Vancouver, WA 98888 380-694-5364 UNRY Tutal	Ridgefield, WA 98642 360-887-0868	Vancouver, WA 98865 380-334-3100	Clackemes, OR 97015 503-656-0954	Washougal, WA 98871 360-835-8794	Vancouver, WA 98681 360-573-2000	Woodburn, OR 97071 971-216-0050	Kelso, WA 98626 360-577-9194
ITEM NO. SHOTTEM QUANTITY	BID ITEM DESCRIPTION	UNIT	UNIT Total PRICE	PRICE Total	PRICE Total	PRICE Total	UNIT Total PRICE	UNIT Total PRICE	UNIT Total PRICE	UNITY Yotal PRICE	UNIT Total PRICE	UNIT Total PRICE	UNIT Total PRICE
BOMEOUR 1 - RYEL1													
1 101.07 1.00	MOBILIZATION CONSTRUCTION SURVEYING	L.S.	\$87,100.00 \$87,100 \$10,000.00 \$10,000	.00 \$38,000.00 \$38,000.00 .00 \$15,000.00 \$15,000.0	\$86,000.00 \$86,000.00	\$125,000.00 \$125,000.00 \$15,000.00 \$15,000.00	\$110,000.00 \$110,000.00	\$112,395.28 \$112,395.28 \$13,000.00 \$13,000.00	\$125,000.00 \$125,000.00 \$13,000.00 \$13,000.00	\$147,825.00 \$147,825.00	\$121,000.00 \$121,000.00	\$130,438.80 \$130,438.80 \$15,000.00 \$15,000.00 \$600.00 \$500.00	\$71,803.00 \$71,803.00
3 107.15 1.00 4 108.01 1.00	CONSTRUCTION SURVEYING SPCC PLAN TYPE B PROGRESS SCHEDULE(Minimum bid of \$2,500.00)	LS.	\$1,500.00 \$1,500 \$10,000.00 \$10,000	.00 \$1,000.00 \$1,000.0 .00 \$2,500.00 \$2,500.0	\$1,000.00 \$1,000.00 \$2,500.00 \$2,500.00	\$500.00 \$500.00 \$2,500.00 \$2,500.00	\$500.00 \$600.00 \$2,500.00 \$2,500.00	\$2,000.00 \$2,000.00 \$3,000.00 \$3,000.00	\$800.00 \$800.00 \$2,500.00 \$2,500.00	\$180.00 \$180.00 \$2,500.00 \$2,500.00	\$1,000.00 \$1,000.00 \$2,500.00 \$2,500.00	\$500.00 \$500.00 \$2,500.00 \$2,500.00	\$1,529.00 \$1,529.00 \$8,871.00 \$8,871.00
5   108.07   1.00	INCENTIVE FOR EARLY COMPLETION OF FULL ROADWAY CLOSUL	EST.	\$10,000.00 \$10,000 \$6,000.00 \$5,000	.00 \$10,000.00 \$10,000.00	\$10,000.00 \$10,000.00	\$10,000.00 \$10,000.00	\$27,075,00 \$27,075,00	\$10,000.00 \$10,000.00 \$18,000.00 \$18,000.00	\$10,000.00 \$10,000.00	\$10,000.00 \$10,000.00	\$10,000.00 \$10,000.0 \$10,000.00 \$10,000.0	\$10,000.00 \$10,000.00 \$25,400.00 \$25,400.00	\$10,000.00 \$10,000.00 \$11,857.00 \$11,857.00
7 110.01 1.00 8 110.02 704.00	TRAFFIC CONTROL SUPERVISOR FLAGGERS	LS. HOUR	\$4,400.00 \$4,400 \$60.00 \$42,240	.00 \$800.00 \$800.00 .00 \$50.00 \$36,200.00	\$12,000.00 \$12,000.00 \$55.00 \$38,720.00	\$5,000.00 \$5,000.00	\$500.00 \$500.00 \$50.00 \$35,200.00	\$5,000.00 \$5,000.00	\$15,000.00 \$15,000.00	\$3,950.00 \$3,950.00	\$20,000.00 \$20,000.0	\$15,000.00 \$15,000.00 \$52.00 \$38.606.00	\$20 205 001 820 205 00
9 201.01 1.00 10 202 1.00	CLEARING AND GRUBBING REMOVAL OF STRUCTURE AND OBSTRUCTION	ACRE L.S.	\$80.00 \$42,240 \$15,000.00 \$15,000 \$5,000.00 \$6,000	.00 \$8,200.00 \$8,200.0 .00 \$15,000.00 \$15,000.0	\$10,000.00 \$10,000.00	\$80.00 \$42,240.00 \$40,000.00 \$40,000.00 \$40,000.00 \$40,000.00	\$20,000.00 \$20,000.00 \$160,000.00 \$160,000.00	\$10,500.00 \$10,500.00 \$2,500.00 \$2,500.00 \$19.50 \$44,772.00	\$55.00 \$38,720.00 \$35,000.00 \$35,000.00 \$3,500.00 \$3,500.00	\$53.00 \$37,312.00 \$44,960.00 \$44,960.00 \$420.00 \$420.00 \$16.00 \$36,736.00	\$60.00 \$36,200.0 \$20,000.00 \$20,000.0 \$20,000.00 \$20,000.0	318,400,00 \$18,400,00	\$18,793.00 \$18,793.00
11 203.01 2296.00 12 203.04 780.00	ROADWAY EXCAVATION INCL. HAUL CHANNEL EXCAVATION INCL. HAUL	C.Y.	\$16.00 \$36,736 \$15.00 \$11,700	.00 \$13.00 \$29,848.0 .00 \$20.00 \$15,800.0	\$14.00 \$32,144.00	\$18.00 \$36,736.00 \$25.00 \$19.500.00	\$26.00 \$57,400.00 \$30.00 \$23,400.00	\$20.00 \$15,600.00	\$18.75 \$43,050.00 \$21.00 \$16,380.00	\$17.00 \$13,260.00	\$15.00 \$34,440.0 \$22.00 \$17,180.0	\$30.00 \$68,880.00 \$30.00 \$23,400.00	\$23.70 \$54,415.20 \$17.00 \$13.260.00
13 203.08 777.00 14 209.03 2800.00	SELECT BORROW INCL. HAUL STRUCTURE EXCAVATION CLASS A INCL. HAUL	C.Y. C.Y.	\$30.00 \$23,310 \$25.00 \$70,000	.00 \$25.00 \$19,425.0 .00 \$19.00 \$53,200.0	\$17,00 \$47,800.00	\$20.00 \$56,000.00	\$25.00 \$70,000.00	\$30.00 \$23,310.00 \$17.00 \$47,800.00	\$26.00 \$20,202.00 \$17.00 \$47,600.00	\$27.00 \$20,979.00 \$18.50 \$48,200.00	\$31.00 \$24,087.0	\$42.00 \$32,634.00 \$25.00 \$70,000,00	\$34.00 \$28,418.00 \$18.00 \$50.400.00
15 209.07 1.00 16 209.09 1100.00	SHORING OR EXTRA EXCAVATION CL. A  GRAVEL BACKFILL (For Arch)	C.Y. C.Y. TON	\$70,000.00 \$70,000 \$40.00 \$44,000	.00 \$15,000.00 \$15,000.0 .00 \$38.00 \$41,800.0	\$55.00 \$60.500.00	\$25.00 \$27.500.00		\$84.00 \$59,400.00	\$80,000.00 \$50,000.00 \$56.00 \$80,500.00	\$147,000.00 \$147,000.00 \$41.80 \$46,760.00 \$40.00 \$49,600.00	\$58,000.00 \$58,000.0 \$50.00 \$56,000.0 \$38.00 \$47,120.0	\$100,000.00 \$100,000.00 \$55.00 \$80,500.00	\$30,200.00 \$30,200.00 \$43,00 \$47,300.00
17 404.02 1240.00 18 504.02 687.00	CRUSHED SURFACING BASE COURSE HMA CL. 1/2 IN. PG 64-22	C.Y.	\$37.00 \$45,880 \$80.00 \$54,960	.00 \$38.00 \$47,120.0 .00 \$81.00 \$56,647.0	\$38.00 \$47,120.00 \$84.00 \$57,708.00	\$40.00 \$49,600.00 \$78.00 \$52,212.00	\$80.00 \$54,960,00	\$89.00 \$81,143.00	\$40.00 \$49,000.00 \$78.00 \$53,586.00	\$81.00 \$55,647.00	\$38.00 \$47,120.0 \$84.00 \$57,708.0	\$50.00 \$62,000.00 \$73.00 \$50,151.00	\$101,00 \$69,387,00
19 802.06 120.00 20 802.22 13000.00	CONC. CLASS 4000 ST. REINF, BAR	C,Y.	\$435.00 \$52,200 \$1.10 \$14,300	.00 \$2.00 \$26,000.0		\$800.00 \$72,000.00 \$1.00 \$13,000.00	\$400.00 \$48,000.00 \$1.00 \$13,000.00	\$537.00 \$64,440.00 \$1,00 \$13,000.00	\$675.00 \$81,000.00 \$1.10 \$14,300.00	\$778.00 \$93,360.00 \$1.45 \$18,850.00	\$800.00 \$96,000.0 \$1,30 \$18,900.0		\$1,069.00  \$128,280.00  \$1.00  \$13,000.00
21 613 2300.00 22 703.06 68.00	ST. STR. PLATE ARCH YALL ST. STR. PLATE ARCH 2 GAGE 34 FT. SPAN	S.F.	\$38.00 \$87,400 \$2,100.00 \$142,800	.00 \$1,300.00 \$88,400.0	\$45.00 \$103,500.00 \$1,500.00 \$102,000.00	\$40.00 \$92,000.00 \$2,000.00 \$138,000.00	\$30.00 \$68,000.00 \$2,000.00 \$136,000.00	\$39.00 \$89,700.00 \$1,828.00 \$110,704.00	\$55.00 \$125,500.00 \$2,000.00 \$138,000.00	\$49.00 \$112,700.00 \$1,610.00 \$109,480.00	\$38.00 \$87,400.0 \$1,900.00 \$129,200.0	1 \$2,600,00 \$176,800,00	\$67.50 \$132,250.00 \$2,412.00 \$164,016.00
23 708 1.00 24 708.41 1.00	DEWATERING (Steel Piste Arch)	LS.	\$75,000.00 \$75,000	.00 \$10,100.00 \$10,100.0 .00 \$13,000.00 \$13,000.0 .00 \$2,600.00 \$1,404.0	\$40,000.00 \$40,000.00 \$20,000.00 \$20,000.00	\$30,000.00 \$30,000.00 \$20,000.00 \$20,000.00	\$22,000.00 \$22,000.00	0 \$44,000.00 \$44,000.00 0 \$24,000.00 \$24,000.00 0 \$3,800.00 \$2,052.00	\$17,500.00 \$17,500.00	\$30,600.00 \$30,600.00 \$26,795.00 \$26,795.00 \$2,550.00 \$1,377.00	\$48,000.00 \$45,000.0 \$20,000.00 \$20,000.0	0 \$47,500.00 \$47,500.00 0 \$38,000.00 \$38,000.00	\$60,317.00 \$50,317.00 \$24,422.00 \$24,422.00 \$2,078.00 \$1,122.86 \$1,158.00 \$311.88
26 801.4 0.27 27 801.52 1.00	SEEDING AND MULCHING (Wedlind) FROSION CONTROL AND WATER BOLLLITTON BREVENTON	ACRE.	\$5,500.00 \$2,970 \$5,500.00 \$1,485 \$12,500.00 \$12,500	00 \$3,300.00 \$891.0	\$3,000.00 \$1,820.00 \$3,400.00 \$918.00 \$4,000.00 \$4,000.00	\$10,000.00 \$5,400.00 \$15,000.00 \$4,050.00 \$12,000.00 \$12,000.00	\$3,500.00 \$1,890.00 \$4,000.00 \$1,080.00 \$3,000.00 \$3,000.00	\$3,800.00 \$2,052.00 \$4,000.00 \$1,080.00 \$6,000.00 \$6,000.00	\$2,500.00 \$1,350.00 \$2,500.00 \$875.00 \$3,500.00 \$3,500.00	\$3,245.00 \$876.15	\$3,500.00 \$1,890.0 \$3,800.00 \$1,028.0 \$14,000.00 \$14,000.0	0 \$3,500.00 \$1,890.00 0 \$3,750.00 \$1,012.50 0 \$8,900.00 \$8,900.00	\$2,079.00 \$1,122.66 \$1,155.00 \$311.85
28 801.58 1317.00 29 802.01 200.00	PROJECT TEMPORARY TRAFFIC CONTROL TRAFFIC CONTROL, SUPERVISOR FLARIFIC CONTROL, SUPERVISOR FLARIFIC CANTOL, SUPERVISOR FLARIFIC CANTOL, SUPERVISOR FLARIFIC CANTOL CONTROL FLARIFIC CANTOL FLARIFIC CANTOL FLARIFIC CANTOL FLARIFIC CANTOL FLARIFIC FL	S.Y.	\$3.00 \$3,951 \$40.00 \$15,820	.00 \$3.00 \$3,951.0	\$2.00 \$2.834.00	\$6.00 \$7,902.00 \$16.00 \$8.368.00	\$3,000.00 \$3,000.00 \$6,00 \$6,585.00 \$25.00 \$9,960.00	\$8,000.00 \$6,000.00 \$3,951.00 \$58.00 \$23,084.00	\$3,800.00 \$3,800.00 \$2.76 \$3,821.75 \$40.00 \$15,920.00	\$10,825.00 \$10,825.00 \$3.00 \$3,951.00 \$33.00 \$13,134.00	\$14,000.00 \$14,000.0 \$5.00 \$6,685.0 \$56.00 \$21,890.0	5 \$8,900.00 \$8,900.00 5 \$4.25 \$5,597.25 0 \$82.80 \$20,896.00	\$11,119.00 \$11,119.00 \$3.00 \$3,961.00 \$30.00 \$11,940.00
30 811.8 983.00 31 811.37 3.00	BEAM GUARDRAL TYPE 31 - 8 FT, LONG POST BEAM GUARDRAL TYPE 31 NON-ELARED TERMINAL	L.F. EACH	\$31.00 \$30,783 \$2,900.00 \$8,700	.00 \$27.00 \$26,811.0	\$40.00 \$15,920.00 \$26.00 \$25,818.00 \$2,800.00 \$8,400.00	\$28.00 \$27,804.00 \$2,750.00 \$8,250.00	\$25,00 \$24,825.00 \$2,800.00 \$8,400.00	\$27.00 \$26,811.00 \$3,000.00 \$9,000.00	\$22.00 \$21,846.00 \$2,500.00 \$7,500.00	\$24.00 \$23,832.00 \$2,885.00 \$7,996.00	\$26.00 \$25,816.0 \$2,900.00 \$8,700.0	0 \$28.00 \$27,804.00 0 \$2,900.00 \$8,700.00	\$28.00 \$27.804.00
32 811.4 77.00 33 812.1 162.00	BEAM GUARDRAIL BURIED TERMINAL TYPE 2 WIRE FENCE TYPE 2	LF.	\$65.00 \$5,005 \$25.00 \$3,900	.00 \$55.00 \$4,235.0	\$62.00 \$4,004.00 \$17.00 \$2.584.00	\$50.00 \$3,850.00 \$16.00 \$2,432.00	\$50.00 \$3,860.00 \$25.00 \$3,800.00	\$65.00 \$4,235.00 \$17.00 \$2.584.00	\$125.00 \$9,825.00 \$17.00 \$2,584.00	\$133.00 \$10,241.00 \$17.00 \$2.584.00	\$52.00 \$4,004.0	0 \$95.00 \$7,315.00	\$163.00 \$11,781.00 \$12.00 \$1,824.00
34 815.04 642.00 35 815.14 256.00	LIGHT LOOSE RIPRAP STREAMBED SEDIMENT	C.Y.	\$80.00 \$38,520 \$40.00 \$10,200		\$100.00 \$84,200.00 \$55.00 \$14,025,00	\$80.00 \$38,520.00 \$40.00 \$10,200.00	\$50.00 \$32,100.00 \$60.00 \$15,300.00	\$92.00 \$59,064.00 \$53.00 \$13,515.00	\$95.00 \$60,890.00 \$60.00 \$15,300.00	\$82.00 \$52,644.00 \$50.00 \$12,750.00	\$16.00 \$2,432.0 \$100.00 \$84,200.0 \$53.00 \$13,515.0 \$53.00 \$7,897.0	0 \$43.00 \$27,606.00 0 \$48.00 \$12,240.00	\$101.30 \$85,034.50 \$92.00 \$23,480.00
36 815.16 149.00 37 815.18 21.00	STREAMBED COBBLES 4 IN. STREAMBED COBBLES 6 IN.	TON	\$40.00 \$5,960 \$40.00 \$840 \$100.00 \$44,000	00 \$85.00 \$9.685.0	\$55.00 \$8,195.00	\$100.00 \$14.900.00	\$80.00 \$8,940.00 \$75.00 \$1,575.00	\$59.00 \$8,791.00 \$71.00 \$1,491.00	\$70.00 \$10,430.00 \$90.00 \$1,890.00	\$50.00 \$7.450.00	\$53.00 \$7,897.0 \$83.00 \$1,953.0	0 \$50,00 \$7,480.00 0 \$62.00 \$1,302.00 0 \$47.50 \$20,900.00	\$72.40 \$10,787.60 \$70,00 \$1,470.00 \$37.10 \$16,324.00
38 830.2 440.00 39 822.01 820.00	FABRIC ENCAPSULATED SOIL LIFT PAINT LINE	L.F.	\$100.00 \$44,000 \$0.20 \$184	.00 \$20.00 \$8,800.0 .00 \$1.00 \$820.0 .00 \$50.00 \$8,800.0	\$55.00 \$1,155.00 \$45.00 \$19,800.00 \$0.50 \$410.00 \$60.00 \$11,760.00	\$20.00 \$8,800.00	\$50.00 \$22,000.00 \$2.00 \$1,640.00 \$65.00 \$12,740.00	\$44.00 \$19,380.00 \$0.50 \$410.00 \$65.00 \$12,740.00	\$25.00 \$11,000.00 \$0,50 \$410.00 \$79.00 \$13,720.00	\$60.00 \$1,050.00 \$22.00 \$9,680.00 \$0.50 \$410.00 \$66.00 \$10,976.00	\$93.00 \$1,953.0 \$20.00 \$8,800.0 \$0.50 \$410.0 \$60.00 \$11,760.0	0 \$0.21 \$172.20	\$37.10 \$16,324.00 \$0.80 \$462.00 \$104.00 \$20,384.00
40 877.55 198.00	STREAMBED CORRUES 8 IN, FABRIC BINAPSULATED SOIL LIFT PAINT LINE ROCK FOR EROSION AND SCOUR PROTECTION CL. B 8CMEDULE 1 YOTAL	TON	\$0.20 \$164 \$80.00 \$11,780 \$1,156,064	.00 \$80.00 \$8,800.0 .00 \$840,414.0	\$60.00 \$11,780.00 \$1,078,739.00	\$80.00 \$11,780.00 \$1,115,903.00	\$65.00 \$12,740.00 \$1,165,920.00	\$65.00 \$12,740.00 \$1,178,048.28	\$70.00 \$13,720.00 \$1,200,399,78	\$56.00 \$10,976.00 \$1,241,439.15	\$60.00 \$11,760.0 \$1,230,795.0	0 \$49.00 \$9,604.00 0 \$1,382,379.75	\$104.00 \$20,384.00 \$1,323,593.11
	SCHEDULE 2 - WORK OUTSIDE OF SITE 1												
	MOBILIZATION CONSTRUCTION SURVEYING	LS.	\$88,700.00 \$86,700 \$4,000.00 \$4,000	.00 \$20,867.00 \$20,867.0 .00 \$22,000.00 \$22,000.0	\$70,000.00 \$70,000.00	\$75,000.00 \$75,000.00 \$10,000.00 \$10,000.00	\$70,000.00 \$70,000.00 \$2,000.00 \$2,000.00	\$10,000.00 \$10,000.00	\$25,000.00 \$25,000.00 \$15,000.00 \$15,000.00	\$2,500.00 \$2,500.00 \$13,325.00 \$13,325.00	\$68,000.00 \$68,000.0 \$18,000.00 \$16,000.0	0 \$10,000.00 \$10,000.00 0 \$12,000.00 \$12,000.00	\$29,682.00 \$29,682.00 \$15,290.00 \$15,290.00
42 105,5 1.00 43 107,15 1.00 44 107,42 8.00	SPCC PLAN PROPERTY OWNER NOTIFICATION LABOR PROPERTY OWNER NOTIFICATION LABOR	L.S. L,S. HOUR	\$500.00 \$500 \$56.00 \$440	.001 \$1,000.001 \$1,000.0	\$8,000.00 \$8,000.00 \$1,000.00 \$1,000.00 \$50.00 \$400.00	[ \$500.00] \$500.00	\$500,00 \$500.00	\$22,000.00 \$22,000.00 \$2,000.00 \$2,000.00 \$52.00 \$416.00	\$600.00 \$800.00 \$70.00 \$560.00	\$180.00 \$180.00 \$75.00 \$800.00	\$1,000.22 \$1,000.2 \$50.00 \$400.0	2 \$500.00 \$500.00	\$837,00 \$637,00
	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.	\$34,300.00 \$34,300 \$26,000.00 \$26,000	.00 \$5,000.00 \$5,000.0	\$7,000.00 \$7,000.00	\$4,000.00 \$4,000.00 \$15,000.00 \$15,000.00	\$3,000.00 \$3,000.00 \$600.00 \$500.00	\$10,000.00 \$10,000.00 \$4,000.00 \$4,000.00	\$3,500.00 \$3,500.00 \$2,500.00 \$2,500.00	\$3,115.00 \$3,115.00 \$9,350.00 \$9,350.00	\$7,000.00 \$7,000.0 \$10,000.00 \$10,000.0	0 \$8,800.00 \$8,800.00 0 \$10,000.00 \$10,000.00	\$13,108,00 \$13,106,00 \$23,307,00 \$23,307,00 \$86.30 \$36,802,00 \$25,00 \$19,000,00 \$2,30 \$1,656,00
47 110.02 540.00	FLAGGERS CONSTRUCTION SIGNS CLASS A	L.S. HOÙR	\$60.00 \$32,400 \$18.00 \$13,680	.00 \$50.00 \$27,000.0	\$55.00 \$29,700.00 \$22.00 \$16,720.00	\$80.00 \$32,400.00 \$20.00 \$15,200.00	\$50.00 \$27,000.00 \$10.00 \$7,600.00	\$49.00 \$26,460.00	\$55.00 \$29,700.00 \$20.00 \$15.200.00	\$53.00 \$28,620.00 \$20.00 \$15,200.00	\$50.00 \$27,000.0 \$30.00 \$22,800.0	0 \$52.00 \$28,080.00 0 \$12.00 \$9,120.00	\$86.30 \$35,802.00 \$25.00 \$19,000.00
48 110.07 720.00 50 201.01 0.20	CONSTRUCTION SIGNS CLASS A PORTABLE CHANGEABLE MESSAGE SIGN CLEARING AND GRUBBING ROADSIDE CLEARING	HOUR	\$8.00 \$6,760 \$15,000,00 \$3,000	.00 \$2.00 \$1,440.0	\$6.00 \$4,320.00	\$8.00 \$4,320.00	\$1.00 \$720.00 \$10.000.00 \$2.000.00	\$21.00 \$15,980.00 \$4.00 \$2,880.00 \$28,000.00 \$5,600.00	\$7.00 \$5,040.00 \$70.000.00 \$14,000.00	\$7.50 \$5,400.00 \$52,000.00 \$10,400.00	\$10.00 \$7,200.0 \$20,000.00 \$4,000.0 \$5,000.00 \$8,000.0	0 \$13.00 \$9,360.00 0 \$20,000.00 \$4,000.00	
50 201.01 0.20 51 201.02 1.00 52 202.08 36.00	ROADSIDE CLEANUP REMOVING CEMENT CONC. PAVEMENT	ACRE EST. S.Y.	\$8,000.00 \$6,000 \$33.00 \$1,155		\$5,000.00 \$5,000.00 \$16.00 \$525.00	\$5,000.00 \$5,000.00 \$100.00 \$3,500.00	\$5,000.00 \$5,000.00 \$60.00 \$1,750.00	\$5,000.00 \$5,000.00 \$18.00 \$630.00	\$5,000.00 \$6,000.00 \$60.00 \$1,750.00	\$5,000.00 \$5,000.00 \$22.00 \$770.00	\$60.00 \$2,100.0	0 \$16.00 \$630.00	\$5,000.00 \$5,000.00 \$89.30 \$3,125.50
52 202.08 35.00 53 203.06 150.00 54 404.03 885.00	ROADSIDE CLEANUP (REMOVING CEMENT CONC. PAVEMENT COMMON BORROW INCL. HAUL COMMON BORROW INCL. HAUL CHISHEB SURFACING TOP COURSE HAM CI. 1/2 IN. PG 64-22 HAM FOR PREVENING CL. 3/6 IN. PG 64-22 HAM FOR APPROACH CL. 1/2 IN. PG 64-22 HAM FOR APPROACH CL. 1/2 IN. PG 64-22	C.Y.	\$40.00 \$6,000 \$120.00 \$106,200	.00 \$38.00 \$33,630.0	\$22.00 \$3,300.00 \$30.00 \$26,550.00	\$80.00 \$44,250.00	\$50.00 \$7,500.00 \$40.00 \$35,400.00	\$44.00 \$8,800.00 \$48.00 \$42,480.00	\$35.00 \$5,250.00 \$25.00 \$22,125.00	\$44.00 \$8,600.00 \$34.00 \$30,090.00	\$18.00 \$2,700.0 \$29.00 \$25,865.0	0 \$45.00 \$6,750.00 0 \$31.00 \$27,435.00	\$89.30 \$3,125.50 \$46.40 \$6,960.00 \$32.20 \$28,497.00
55 504.02 6100.00 56 504.1 145.00	HMA CL. 1/2 IN. PG 64-22 HMA FOR PRELEVELING CL. 3/8 IN. PG 64-22	TON	\$80.00 \$488,000 \$97.00 \$14,086	.00 \$113.00 \$16,385.0	\$74,00 \$451,400.00 \$95.00 \$13,775.00	\$85.00 \$12.325.00	\$78.00 \$475,800.00 \$120.00 \$17,400.00	\$82.00 \$600,200.00 \$96.00 \$13,775.00	\$78.00 \$476,800.00 \$90.00 \$13,060.00	\$81.00 \$494,100.00 \$94.00 \$13,830.00	\$77.00 \$469,700.0 \$89.00 \$12,905.0	\$85.00 \$12.326.00	\$98.10 \$698,410.00 \$140.20 \$20,328.00
57 504.07 90.00 58 504.17 28.00	HMA FOR APPROACH CL. 1/2 IN. PG 84-22 HMA FOR PAVEMENT REPAIR CL. 1/2 IN. PG 84-22	TON	\$112.00 \$10,080 \$120.00 \$3,360	1.00 \$135.00 \$3,780.0	\$95.00 \$8,550.00 \$185.00 \$4,820.00	\$85.00 \$7,650.00 \$150.00 \$4,200.00	\$120.00 \$10,800.00 \$130.00 \$3,840.00	\$96.00 \$8,560.00 \$166.00 \$4,620.00	\$90.00 \$8,100.00 \$150.00 \$4,200.00	\$94.00 \$8,480.00 \$185.00 \$4,620.00	\$89.00 \$8,010.0 \$157.00 \$4,396.0	0 \$85,00 \$7,650.00 0 \$150.00 \$4,200.00	\$163.00 \$13,770.00 \$162.00 \$4,536.00
	HMA FOR PAVEMENT REPAIR CL. 1/2 IN. PG 64-22   PAVEMENT REPAIR EXCAVATION INCL. HAUL.   BRIDGE TRANSVERSE JOINT SEAL.   PLANING BITUMINOUS PAVEMENT (Transverse - 0,00 to 0.17 FT.)	S.Y.	\$6.50 \$1,072 \$60.00 \$2,150	.00 \$50.00 \$2,150.0	\$100.00 \$16,500.00 \$50.00 \$2,150.00	\$50.00 \$8,250.00 \$50.00 \$2,150.00	\$20,00 \$3,300.00 \$100.00 \$4,300.00	0 \$10.00 \$1,660.00 0 \$45.00 \$1,936.00	\$70.00 \$11,550.00 \$45.00 \$1,835.00	\$30.00 \$4,950.00 \$47.00 \$2,021.00	\$78.00 \$12,870.0 \$45.00 \$1,935.0 \$50.00 \$2,550.0	0 \$14.00 \$2,310.00 0 \$30.00 \$1,290.00	\$58.00 \$9,570.00 \$58.00 \$9,570.00 \$54.30 \$2,334.90 \$33.10 \$1,688.10 \$4,736.00 \$4,736.00
81 504.3 51.00	PLANING SITUMINOUS PAVEMENT (Transverse - 0.00 to 0.17 PT.)	S.Y. EACH	\$5.20 \$286 \$4,000.00 \$4,000	.00 \$3,600.00 \$3,500.0	\$30.00 \$1,530.00 \$8,000.00 \$6,000.00	\$50.00 \$2,660.00 \$4,000.00 \$4,000.00	\$30.00 \$1,530.00 \$4,000.00 \$4,000.00	\$89.00 \$4,539.00 \$2,500.00 \$2,500.00	\$110.00 \$5,610.00 \$2,000.00 \$2,000.00	\$38.00 \$1,836.00 \$4,000.00 \$4,000.00 \$2,500.00 \$2,500.00	\$3,500.00 \$2,560.0 \$3,500.00 \$3,500.0 \$4,000.00 \$4,000.0	0 \$120.00 \$8,120.00 0 \$7,000.00 \$7,000.00 0 \$6,600.00 \$5,600.00	\$33.10 \$1,688.10 \$4,736.00 \$4,736.00 \$6,520.00 \$6,520.00
53 801.52 1.00 64 801.4 0.15	EROSION CONTROL AND WATER POLLUTION PREVENTION SEEDING AND MULCHING	ACRE	\$3,500.00 \$3,500 \$7,000.00 \$1,050	.00 \$4,600.00 \$690.0	\$3,500.00 \$3,500.00 \$4,500.00 \$875.00	\$8,000.00 \$8,000.00 \$25,000.00 \$3,760.00 \$16.00 \$576.00	\$3,000.00 \$3,000.00 \$6,000.00 \$900.00	\$7,500.00 \$7,500.00 \$10,000.00 \$1,500.00	\$4,500.00 \$4,500.00 \$4,500.00 \$875.00	\$4,780.00 \$714.00	\$4,000.00 \$4,000.0 \$12,000.00 \$1,800.0 \$55.00 \$1,900.0	0 \$6,600.00 \$5,600.00 0 \$11,576.00 \$1,736.25 0 \$52.50 \$1,890.00	\$881.00 \$132.15
55 802.01 36.00 66 811.08 13.00	TOPSOIL TYPE A BEAM GUARDRAIL TYPE 31	LF.	\$30.00 \$1,080 \$38.00 \$494 \$1,100.00 \$1,100	.00 \$40.00 \$1,440.0 .00 \$55.00 \$715.0	\$40.00 \$1,440.00 \$52.00 \$676.00	\$50.00 \$650.00	\$60.00 \$2,160.00 \$100.00 \$1,300.00	\$56.00 \$2,088.00 \$55.00 \$716.00 \$1100.00 \$1100.00	\$4,500.00 \$675.00 \$40.00 \$1,440.00 \$38.00 \$455.00 \$850.00 \$850.00	\$59.00 \$2,124.00 \$37.00 \$481.00 \$885.00 \$885.00	\$52.00 \$676.0 \$1,050.00 \$1,050.0	0 \$30.00 \$390.00 0 \$950.00 \$960.00	\$88.00 \$3,168.00 \$42.10 \$547.30 \$1,019.00 \$1,019.00
67 811.19 1.00 68 811.37 1.00	MANDICLE 46 IN. DAMA, OVER POSTTING LINE EROSSION CONTROL AND WATER POLLUTION PREVENTION SEEDING AND MULCHING TOPSOL TYPE 19 10 BEAM GUARDRAL TYPE 19 10 BEAM GUARDRAL TOPSOL TYPE 19 10 BEAM GUARDRAL TOPSOL TERMINAL 10 BEAM GUARDRAL TYPE 31 NON-FLARED TOPSOL 10 BEAM GUARDRAL TRANSITION DESCRION TYPE 22	EACH EACH	\$2,800.00 \$2,800	.00 \$2,900.00 \$2,900.0	\$1,100.00 \$1,100.00 \$2,800.00 \$2,800.00	\$2,760.00 \$2,750.00	\$1,000.00 \$2,800.00 \$2,800.00 \$2,800.00 \$3,400.00	\$1,100.00 \$1,100.00 \$3,000.00 \$3,000.00 \$3,000.00 \$9,000.00	\$850.00 \$850.00 \$2,500.00 \$2,500.00 \$2,500.00 \$7,500.00	\$2,580.00 \$2,580.00 \$2,580.00 \$2,580.00 \$2,665.00 \$7,995.00	\$2,900.00 \$2,900.0 \$2,900.00 \$2,900.0	0 \$2,900.00 \$2,900.00 0 \$2,900.00 \$8,700.00	\$2,962.00 \$2,962.00 \$1,019.00 \$3,057.00
69 811.37 3.00 70 811.45 710.00	BEAM GUARDRAIL TYPE 31 NON-FLARED TERMINAL REMOVING GUARDRAIL	L,F.	\$2,900.00 \$8,700 \$8.00 \$6,390 \$31.00 \$15.035	.00 \$7.00 \$4,970.0	\$2,800.00 \$8,400.00 \$8.00 \$4,260.00 \$27.00 \$13,095.00	5 \$2,760.00 \$8,260.00 5 \$5.00 \$3,650.00 6 \$31.00 \$15,036.00	\$2,800.00 \$8,400.00 \$5.00 \$3,550.00 \$26.00 \$12,610.00	\$3,000.00 \$9,000.00 \$5,00 \$3,650.00 \$27.00 \$13,095.00	\$6.00 \$4,260.00 \$25.00 \$12,125.00	\$9.00 \$8,390.00 \$27.00 \$13,095.00	\$10.00 \$7,100.0 \$26.00 \$12.610.0	0 \$8,00 \$5,880.00 0 \$28.00 \$13,580.00	\$7.00 \$4,970.00 \$31.20 \$15,132.00
		EACH EACH	\$3,600.00 \$14,400	.00 \$3,900.00 \$15,600.0	\$27.00 \$13,095.0 \$3,900.00 \$15,600.0 \$400.00 \$2,000.0	\$3,675.00 \$14,700.00	\$3,800.00 \$15,200.00 \$500.00 \$2,500.00	\$4,000.00 \$16,000.00	\$4,000.00 \$16,000.00 \$660.00 \$2,750.00	\$4,200.00 \$16,800.00 \$80.00 \$400.00	\$3,900.00 \$15,600.0 \$150.00 \$750.0	0 \$4,100.00 \$18,400.00 0 \$54.00 \$270.00	\$4,842.00 \$19,368.00
73 813.02 5.00 74 821.01 1.00 75 822.01 37500.00	PERMANENT SIGNING	LS.	\$260.00 \$1,260 \$1,500.00 \$1,600 \$0,20 \$7,500	.00 \$14,500.00 \$14,500.0		3 \$250.00 \$1,250.00 \$7,500.00 \$7,500.00 \$0.14 \$5,250.00	\$7,000.00 \$7,000.00 \$0.20 \$7,500.00	\$8,200.00 \$8,200.00 \$0,15 \$5,625.00	\$8,250.00 \$8,250.00 \$0.15 \$5,825.00	\$8,200.00 \$8,200.00 \$0.16 \$6,000.00	\$6,000.00 \$6,000.0 \$0.15 \$5,625.0	0 \$5,000.00 \$5,000.00 0 \$0.15 \$5,625.00	\$9,429.00 \$9,429.00 \$0.18 \$8,760.00
76 822.08 100	PLASTIC WIDE LANE LINE	LF.	\$2.00 \$200 \$8.00 \$256	.00 \$9.00 \$900.0	\$8.50 \$850.00 \$8.00 \$258.00	\$7.50 \$750.00 \$7.25 \$232.00	\$10,00 \$1,000.00	\$8.00 \$800.00	\$8.00 \$800.00 \$6.00 \$256.00	\$8,00 \$800.00 \$8,00 \$256.00	\$8.00 \$800.0 \$8.00 \$268.0	0 \$4.60 \$450.00 0 \$11.00 \$352.00	\$9.80 \$960.00 \$9.24 \$295.88
78 822.28 4.00	PLASTIC TRAFFIC ARROW  PAISSID PAVEMENT MARKER TYPE 2	EACH HUND	\$120.00 \$48K \$410.00 \$1,230	.00] \$150.00] \$800.0	\$140.00 \$580.00 \$515.00 \$1.545.00	\$120.00 \$480.00 \$450.00 \$1,360.00	\$10.00 \$320.00 \$200.00 \$800.00 \$500.00 \$1,500.00	\$500.00 \$1,500.00	\$125.00 \$500.00 \$475.00 \$1.425.00	\$130.00 \$520.00 \$500.00 \$1.500.00	\$130 no \$520 n	0 \$250.00 \$1.000.00	\$183.00 \$612.00 \$573.40 \$1,720.20
80 810 8.00 81 504.54 4.00	ADJUST KONOMENT CASE AND COVER PERMANENT SONNO PRASTIC WIDE LANE LINE PLASTIC STOP LINE PLASTIC STOP LINE PLASTIC TRAFFIC ARROW PLASTIC GROWN PLASTIC GROWN PLASTIC GROWN PLASTIC FOR THE PLASTIC STOP LINE PLASTIC TRAFFIC ARROW PLASTIC PLASTIC ARROW PLASTIC PLASTIC FOR THE PLASTIC STOP LINE PLASTIC FOR THE PLASTIC FOR	EACH EACH	\$25.00 \$200 \$1,200.00 \$4,800 \$899.892	.00 \$75.00 \$800.0	3 \$140.00 \$580.00 \$515.00 \$1,545.00 \$40.00 \$320.00 \$1,500.00 \$8,000.00	\$450.00 \$1,350.00 \$50.00 \$400.00 \$2,000.00 \$8,000.00	\$300.00 \$2,400.00 \$1,000.00 \$4,000.00	3480.00 \$480.00 5 \$2,000.00 \$8,000.00	\$55.00 \$440.00 \$2,750.00 \$11,000.00	\$30.00 \$240.00 \$1,420.00 \$5,680.00	\$500.00 \$1,500.0 \$55.00 \$440.0 \$3,000.00 \$12,000.0 \$799,038.2	0 \$40.00 \$320.00 0 \$470.00 \$1,880.00	\$9,429.00 \$9,445.00 \$9.18 \$8,760.00 \$9.80 \$990.00 \$9.80 \$990.00 \$9.24 \$295.88 \$153.00 \$612.00 \$573.40 \$1,720.20 \$51.00 \$400.00 \$1,557.00 \$6.228.00 \$1,557.00 \$6.228.00
0. 1 == -0.0			<u> </u>	.70 \$750,700.0	5786,242.0	\$806,868.00	\$782,080.00	\$776,724,00	\$748,821.00	\$741,927.00			
	YOYAL BID (Schedule 1 + Schedule 2) RANKING		\$2,054,076	FIRST	\$1,844.981.0 SECOND	\$1,822,771.00 THIRD	FORTH	\$1,952,772.28 FIFTH	\$1,956,220.78 SIXTH	\$1,983,368,18 SEVENTH	EIGHTH	2 \$2,076,394.00 NINTH	\$2,251,389,98 TENTH
	% OVER OR UNDER ENGR. EST.		ENGINEER'S ESTIMATI	-22.57%	-10.22%	-6.43%	-6.18%	-4.97%	-4.71%	-3.48%	-1.22%	0.99%	9.56%