



February 19, 2015

**Mayor & City Council**

City of North Liberty  
3 Quail Creek Circle  
North Liberty, IA 52317

**East Growth Area Water & Sewer Extension - Recommendation of Award**

*FOX Ref No: 2489-13A.440*

Dear Mayor and City Council:

The City of North Liberty received bids on February 18, 2015 for the **East Growth Area Water & Sewer Extension**. The project consists of construction of sanitary sewer and water main to serve the east growth area, generally consisting of approximately: 13,780 LF of 12" water main; 7,280 LF of 30" sanitary sewer; 2,114 LF of 18" sanitary sewer; 1,800 LF of 8" through 15" sanitary sewer; and all associated work. Work includes trenchless construction for the water main and sanitary sewer. The work includes 42 LF of 12'x5' concrete box culverts, stream channel excavation, and erosion control stabilization. The work also includes construction of a sanitary sewer pumping station, consisting of wet well, submersible pumps, valve vault, meter pit, pigging station, control building, odor control unit, back-up generator, site work, paving, landscaping, and miscellaneous appurtenances. The pump station will discharge through 1,600 LF of dual force main (6" & 10").

The City received five bids on the project. The Engineer's opinion of probable construction cost was \$5,207,025.50. The bids ranged from a high bid of \$7,188,302.00 to a low bid of \$4,858,962.50. A Bid Tabulation Summary is enclosed for your reference.

Langman Construction Co. of Rock Island, IL submitted the low base bid of \$4,858,962.50. The low base bid is \$348,063.00 below the Engineer's opinion (7% below).

FOX contacted Langman Construction to discuss their bid, schedule, and similar projects that they have completed. Langman believes their bid is reasonable and has found no errors. Langman believes the April 1, 2016 substantial completion will give ample time for the work to be completed. They've also stated that they are looking forward to getting started on this project right away after notice is given.

Langman Construction has been in business since 1975. They have over 60 employees and over \$15 million in assets. Most of the work they do is for municipalities in Iowa and Illinois including: Clinton, Davenport, Iowa City, Moline, Muscatine, and Ottumwa. FOX Engineering has worked with Langman on a \$2.9 million lagoon project for the City of Tipton and found their work to be satisfactory. Shive Hattery has also worked with Langman. Shive Hattery stated they have the workforce, knowledge, and equipment to complete this project.

---

Langman plans to utilize subcontractors to complete some of the work as follows:

- Traffic Control
- Trenchless Construction
- Electrical & Mechanical for the pump station
- Testing

To evaluate their Bid we discussed their current projects and reviewed their performance on previous projects. The firm appears to have a history of satisfactory performance on similar projects in Iowa. Based on these investigations, we believe Langman Construction Co. has the practical knowledge of the work, adequate equipment and personnel, sufficient schedule, and financial resources to complete the work. Therefore, FOX recommends that the East Growth Area Water & Sewer Extension be awarded to Langman Construction Co. for their Total Base Bid of \$4,858,962.50. FOX would NOT recommend approving the Alternate Bid for the Aluminized Box Culvert for a deduct of \$2,500. The base bid box concrete culvert will require less maintenance.

We believe this represents the lowest responsive, responsible bid for the project and is in the best interests of the project. Prior to the City of North Liberty approving the contract, the City's insurance counsel should review the contractor's insurance certificates and performance and maintenance bonds for conformance with the City of Oelwein requirements.

We have enclosed the Notice of Award for your use. If approved, please sign and return to FOX Engineering. FOX will then execute the contract documents. Please contact us with any questions or comments regarding this recommendation.

Very truly yours,  
FOX Engineering Associates, Inc.

*John Gade, P.E.*

John Gade, P.E.

*Enclosures: Bid Tab  
Notice of Award*

*CC: Brian Gaul, Langman Construction Co.*

**BID TABULATION**  
**East Growth Area Water & Sewer Extensions**  
 North Liberty, Iowa

BID DATE: February 18, 2015  
 FOX PN 2489-13A.440

ITEM NO.	DESCRIPTION	QTY	UNITS	Engineer's Opinion Probable Cost		Langman Construction Co.	Maxwell Construction, Inc.	Merryman Excavation	S.M. Hentges & Sons	Portzen Construction					
				UNIT PRICE	TOTAL PRICE	220 34th Ave. Rock Island, IL 51201	3011 Sierra Ct SW Iowa City, IA 52240	1501 Lamb Road Woodstock, IL 60098	650 Quaker Ave, Suite 200 Jordan, MN 55352	205 Stone Valley Dr Dubuque, IA 52003					
				Bid Bond	TOTAL PRICE	Bid Bond	TOTAL PRICE	Bid Bond	TOTAL PRICE	Bid Bond	TOTAL PRICE				
<b>DIVISION 1 - GENERAL</b>															
1.1	MOBILIZATION	1	LS	\$300,000.00	\$300,000.00	\$480,000.00	\$480,000.00	\$117,000.00	\$117,000.00	\$334,845.18	\$334,845.18	\$498,500.00	\$498,500.00	\$302,000.00	\$302,000.00
1.2	TRAFFIC CONTROL	1	LS	\$20,000.00	\$20,000.00	\$10,000.00	\$10,000.00	\$45,000.00	\$45,000.00	\$27,910.00	\$27,910.00	\$31,600.00	\$31,600.00	\$35,000.00	\$35,000.00
1.3	DEWATERING	1	LS	\$300,000.00	\$300,000.00	\$10,000.00	\$10,000.00	\$30,000.00	\$30,000.00	\$287,100.00	\$287,100.00	\$475,000.00	\$475,000.00	\$1,000,000.00	\$1,000,000.00
1.4	SUBMITTAL EXCHANGE FEE (ALLOWANCE)	1	LS	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00
<b>DIVISION 2 - EARTHWORK</b>															
2.1	CLEARING AND GRUBBING, TREE REMOVAL	15.25	AC	\$10,360.00	\$157,990.00	\$3,000.00	\$45,750.00	\$11,000.00	\$167,750.00	\$10,910.00	\$166,377.50	\$5,150.00	\$78,537.50	\$6,500.00	\$99,125.00
2.2	CLASS 10 - EXCAVATION - ACCESS ROADWAY GRADING	1	LS	\$15,000.00	\$15,000.00	\$35,000.00	\$35,000.00	\$32,000.00	\$32,000.00	\$38,480.00	\$38,480.00	\$28,750.00	\$28,750.00	\$89,000.00	\$89,000.00
2.3	CLASS 10 - CHANNEL EXCAVATION, ALIGNMENT 1	1	LS	\$13,000.00	\$13,000.00	\$7,500.00	\$7,500.00	\$5,000.00	\$5,000.00	\$9,620.00	\$9,620.00	\$16,000.00	\$16,000.00	\$25,000.00	\$25,000.00
2.4	CLASS 10 - CHANNEL EXCAVATION, ALIGNMENT 2	1	LS	\$23,000.00	\$23,000.00	\$18,000.00	\$18,000.00	\$16,000.00	\$16,000.00	\$24,050.00	\$24,050.00	\$37,000.00	\$37,000.00	\$45,000.00	\$45,000.00
2.5	CLASS 10 - CHANNEL EXCAVATION, ALIGNMENT 3	1	LS	\$6,000.00	\$6,000.00	\$5,000.00	\$5,000.00	\$4,000.00	\$4,000.00	\$7,215.00	\$7,215.00	\$9,700.00	\$9,700.00	\$15,000.00	\$15,000.00
2.6	CLASS 10 - CHANNEL EXCAVATION, ALIGNMENT 4	1	LS	\$4,000.00	\$4,000.00	\$5,000.00	\$5,000.00	\$4,000.00	\$4,000.00	\$7,215.00	\$7,215.00	\$10,225.00	\$10,225.00	\$15,000.00	\$15,000.00
<b>DIVISION 3 - TRENCH AND TRENCHLESS CONSTRUCTION</b>															
3.1	TRENCHLESS WATER MAIN, 12-INCH RESTRAINED JOINT	290	LF	\$100.00	\$29,000.00	\$80.00	\$23,200.00	\$95.00	\$27,550.00	\$163.00	\$47,270.00	\$123.00	\$35,670.00	\$120.00	\$34,800.00
3.2	TRENCHLESS SANITARY SEWER, 8-INCH	84	LF	\$300.00	\$25,200.00	\$275.00	\$23,100.00	\$365.00	\$30,660.00	\$711.00	\$59,724.00	\$545.00	\$45,780.00	\$425.00	\$35,700.00
3.3	TRENCHLESS SANITARY SEWER, 10-INCH	95	LF	\$325.00	\$30,875.00	\$275.00	\$26,125.00	\$375.00	\$35,625.00	\$666.00	\$63,270.00	\$515.00	\$48,925.00	\$525.00	\$49,875.00
3.4	TRENCHLESS SANITARY SEWER, 12-INCH	90	LF	\$375.00	\$33,750.00	\$290.00	\$26,100.00	\$400.00	\$36,000.00	\$529.00	\$47,610.00	\$400.00	\$36,000.00	\$575.00	\$51,750.00
3.5	TRENCHLESS SANITARY SEWER, 18-INCH	135	LF	\$400.00	\$54,000.00	\$300.00	\$40,500.00	\$450.00	\$60,750.00	\$592.00	\$79,920.00	\$472.00	\$63,720.00	\$675.00	\$91,125.00
3.6	TRENCHLESS SANITARY SEWER FORCE MAIN, DUAL	775	LF	\$130.00	\$100,750.00	\$90.00	\$69,750.00	\$60.00	\$46,500.00	\$156.00	\$120,900.00	\$145.00	\$112,375.00	\$135.00	\$104,625.00
3.7	TRENCH FOUNDATION	850	TON	\$25.00	\$21,250.00	\$20.00	\$17,000.00	\$18.00	\$15,300.00	\$40.00	\$34,000.00	\$30.00	\$25,500.00	\$22.00	\$18,700.00
3.8	REPLACEMENT OF UNSUITABLE BACKFILL, TRENCH	850	CY	\$20.00	\$17,000.00	\$8.00	\$6,800.00	\$16.00	\$13,600.00	\$16.00	\$13,600.00	\$25.75	\$21,887.50	\$40.00	\$34,000.00
3.9	ROCK EXCAVATION	500	CY	\$100.00	\$50,000.00	\$100.00	\$50,000.00	\$0.01	\$5.00	\$86.00	\$43,000.00	\$37.00	\$18,500.00	\$90.00	\$45,000.00
3.10	COMPACTION TESTING	1	LS	\$15,000.00	\$15,000.00	\$1,000.00	\$1,000.00	\$40,000.00	\$40,000.00	\$35,550.00	\$35,550.00	\$36,050.00	\$36,050.00	\$38,000.00	\$38,000.00
<b>DIVISION 4 - SEWERS AND DRAINS</b>															
4.1	TILE REPAIR, 4-INCH TO 10-INCH	300	LF	\$40.00	\$12,000.00	\$10.00	\$3,000.00	\$20.00	\$6,000.00	\$22.00	\$6,600.00	\$25.25	\$7,575.00	\$32.00	\$9,600.00
4.2	SANITARY SEWER FORCE MAIN, DUAL	850	LF	\$55.00	\$46,750.00	\$60.00	\$51,000.00	\$60.00	\$51,000.00	\$53.50	\$45,475.00	\$62.25	\$52,912.50	\$97.75	\$83,087.50
4.3	GRAVITY SANITARY SEWER, 8-INCH	346	LF	\$55.00	\$19,030.00	\$60.00	\$20,760.00	\$45.00	\$15,570.00	\$52.00	\$17,992.00	\$55.75	\$19,289.50	\$108.00	\$37,368.00
4.4	GRAVITY SANITARY SEWER, 10-INCH	619	LF	\$65.00	\$40,235.00	\$63.00	\$38,997.00	\$55.00	\$34,045.00	\$55.00	\$34,045.00	\$59.50	\$36,830.50	\$110.00	\$68,090.00
4.5	GRAVITY SANITARY SEWER, 12-INCH	86	LF	\$75.00	\$6,450.00	\$64.00	\$5,504.00	\$60.00	\$5,160.00	\$59.00	\$5,074.00	\$63.00	\$5,418.00	\$105.00	\$9,030.00
4.6	GRAVITY SANITARY SEWER, 15-INCH	748	LF	\$80.00	\$59,840.00	\$65.00	\$48,620.00	\$138.00	\$103,224.00	\$64.50	\$48,246.00	\$63.00	\$47,124.00	\$110.00	\$82,280.00
4.7	GRAVITY SANITARY SEWER, 18-INCH	2,114	LF	\$95.00	\$200,830.00	\$78.00	\$164,892.00	\$150.00	\$317,100.00	\$73.00	\$154,322.00	\$183.00	\$386,862.00	\$115.00	\$243,110.00
4.8	GRAVITY SANITARY SEWER, 30-INCH	5,798	LF	\$125.00	\$724,750.00	\$175.00	\$1,014,650.00	\$125.00	\$724,750.00	\$109.00	\$631,982.00	\$186.00	\$1,078,428.00	\$135.00	\$782,730.00
4.9	GRAVITY SANITARY SEWER, 30-INCH, SPECIAL	1,480	LF	\$400.00	\$592,000.00	\$300.00	\$444,000.00	\$350.00	\$518,000.00	\$193.00	\$285,640.00	\$200.00	\$296,000.00	\$450.00	\$666,000.00
4.10	CMP CULVERT, 15"	51	LF	\$50.00	\$2,550.00	\$25.00	\$1,275.00	\$50.00	\$2,550.00	\$36.50	\$1,861.50	\$43.50	\$2,218.50	\$50.00	\$2,550.00
4.11	CMP CULVERT, 24"	50	LF	\$60.00	\$3,000.00	\$40.00	\$2,000.00	\$60.00	\$3,000.00	\$48.50	\$2,425.00	\$50.00	\$2,500.00	\$60.00	\$3,000.00
4.12	CMP CULVERT FES, 15"	4	EA	\$1,000.00	\$4,000.00	\$120.00	\$480.00	\$600.00	\$2,400.00	\$225.00	\$900.00	\$265.00	\$1,060.00	\$250.00	\$1,000.00
4.13	CMP CULVERT FES, 24"	4	EA	\$1,500.00	\$6,000.00	\$250.00	\$1,000.00	\$1,100.00	\$4,400.00	\$371.00	\$1,484.00	\$328.00	\$1,312.00	\$425.00	\$1,700.00
4.14	BOX CULVERT, 12'x5'	42	LF	\$2,500.00	\$105,000.00	\$2,000.00	\$84,000.00	\$2,150.00	\$90,300.00	\$2,380.00	\$99,960.00	\$1,850.00	\$77,700.00	\$2,800.00	\$117,600.00
<b>DIVISION 5 - WATER MAIN AND APPURTENANCES</b>															
5.1	WATER MAIN, CONNECT TO EXISTING	1	EA	\$2,000.00	\$2,000.00	\$1,000.00	\$1,000.00	\$2,300.00	\$2,300.00	\$3,825.00	\$3,825.00	\$3,300.00	\$3,300.00	\$1,800.00	\$1,800.00
5.2	WATER MAIN, 8-INCH	40	LF	\$30.00	\$1,200.00	\$38.00	\$1,520.00	\$35.00	\$1,400.00	\$31.50	\$1,260.00	\$46.50	\$1,860.00	\$75.00	\$3,000.00
5.3	WATER MAIN, 12-INCH	13,779	LF	\$35.00	\$482,265.00	\$40.00	\$551,160.00	\$35.00	\$482,265.00	\$32.50	\$447,817.50	\$32.75	\$451,262.25	\$55.00	\$757,845.00
5.4	WATER VALVE, 8-INCH	2	EA	\$1,500.00	\$3,000.00	\$1,100.00	\$2,200.00	\$1,300.00	\$2,600.00	\$1,585.00	\$3,170.00	\$1,615.00	\$3,230.00	\$1,800.00	\$3,600.00
5.5	WATER VALVE, 12-INCH	30	EA	\$2,500.00	\$75,000.00	\$1,900.00	\$57,000.00	\$2,300.00	\$69,000.00	\$2,460.00	\$73,800.00	\$2,350.00	\$70,500.00	\$2,800.00	\$84,000.00
5.6	FIRE HYDRANT ASSEMBLY	33	EA	\$4,000.00	\$132,000.00	\$4,000.00	\$132,000.00	\$4,000.00	\$132,000.00	\$4,455.00	\$147,015.00	\$4,210.00	\$138,930.00	\$4,800.00	\$158,400.00
5.7	AUTOMATIC FLUSHING ASSEMBLY	1	LS	\$10,000.00	\$10,000.00	\$7,000.00	\$7,000.00	\$8,000.00	\$8,000.00	\$6,585.00	\$6,585.00	\$5,900.00	\$5,900.00	\$6,500.00	\$6,500.00
5.8	WATER SAMPLING STATION	1	EA	\$2,500.00	\$2,500.00	\$3,000.00	\$3,000.00	\$4,500.00	\$4,500.00	\$2,885.00	\$2,885.00	\$2,000.00	\$2,000.00	\$2,200.00	\$2,200.00
5.9	WATER MAIN TESTING	1	LS	\$5,000.00	\$5,000.00	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00	\$21,980.00	\$21,980.00	\$12,350.00	\$12,350.00	\$7,500.00	\$7,500.00

**BID TABULATION**  
**East Growth Area Water & Sewer Extensions**  
 North Liberty, Iowa

BID DATE: February 18, 2015  
 FOX PN 2489-13A.440

ITEM NO.	DESCRIPTION	CONTRACTORS:		Engineer's Opinion Probable Cost		Langman Construction Co. 220 34th Ave. Rock Island, IL 51201	Maxwell Construction, Inc. 3011 Sierra Ct SW Iowa City, IA 52240	Merryman Excavation 1501 Lamb Road Woodstock, IL 60098	S.M. Hentges & Sons 650 Quaker Ave, Suite 200 Jordan, MN 55352	Portzen Construction 205 Stone Valley Dr Dubuque, IA 52003					
		QTY	UNITS	UNIT PRICE	TOTAL PRICE	Bid Bond		Bid Bond		Bid Bond		Bid Bond			
						UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE	UNIT PRICE	TOTAL PRICE		
<b>DIVISION 6 - STRUCTURES FOR SANITARY AND STORM SEWERS</b>															
6.1	PUMP STATION	1	LS	\$830,000.00	\$830,000.00	\$800,000.00	\$800,000.00	\$1,064,000.00	\$1,064,000.00	\$1,436,700.00	\$1,436,700.00	\$1,227,700.00	\$1,227,700.00	\$1,388,733.53	\$1,388,733.53
6.2	CONNECT TO EXISTING SANITARY STRUCTURE	1	EA	\$3,000.00	\$3,000.00	\$1,000.00	\$1,000.00	\$1,200.00	\$1,200.00	\$2,510.00	\$2,510.00	\$1,675.00	\$1,675.00	\$1,675.00	\$1,675.00
6.3	SANITARY SEWER MANHOLE, 48-INCH	15	EA	\$6,000.00	\$90,000.00	\$5,000.00	\$75,000.00	\$6,000.00	\$90,000.00	\$9,515.00	\$142,725.00	\$6,500.00	\$97,500.00	\$4,700.00	\$70,500.00
6.4	SANITARY SEWER MANHOLE, 60-INCH	20	EA	\$10,000.00	\$200,000.00	\$7,500.00	\$150,000.00	\$7,500.00	\$150,000.00	\$9,640.00	\$192,800.00	\$8,650.00	\$173,000.00	\$5,300.00	\$106,000.00
6.5	SANITARY SEWER MANHOLE, 60-INCH, INTERIOR DROP	1	EA	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$18,000.00	\$18,000.00	\$24,450.00	\$24,450.00	\$17,150.00	\$17,150.00	\$10,500.00	\$10,500.00
6.6	SANITARY SEWER MANHOLE OVER EXISTING	1	EA	\$10,000.00	\$10,000.00	\$7,500.00	\$7,500.00	\$7,500.00	\$7,500.00	\$9,045.00	\$9,045.00	\$7,785.00	\$7,785.00	\$5,600.00	\$5,600.00
6.7	EPOXY COATING LINER	71.7	VLf	\$225.00	\$16,132.50	\$345.00	\$24,736.50	\$700.00	\$50,190.00	\$665.00	\$47,680.50	\$195.00	\$13,981.50	\$660.00	\$47,322.00
<b>DIVISION 7 - PAVEMENT AND APPURTENANCES</b>															
7.1	GRANULAR SURFACING, CLASS A CRUSHED STONE	500	TON	\$25.00	\$12,500.00	\$20.00	\$10,000.00	\$20.00	\$10,000.00	\$22.00	\$11,000.00	\$22.50	\$11,250.00	\$18.00	\$9,000.00
7.2	REMOVE/REPLACE EXISTING HMA PAVEMENT	116	SY	\$50.00	\$5,800.00	\$78.00	\$9,048.00	\$80.00	\$9,280.00	\$76.50	\$8,874.00	\$71.00	\$8,236.00	\$65.00	\$7,540.00
<b>DIVISION 8 - TRAFFIC SIGNALS (NOT USED)</b>															
<b>DIVISION 9 - SITE WORK AND LANDSCAPING</b>															
9.1	HYDRAULIC SEEDING, SEEDING, FERTILIZING, AND MULCHING - TYPE 1	1.85	AC	\$2,500.00	\$4,625.00	\$2,500.00	\$4,625.00	\$3,200.00	\$5,920.00	\$3,160.00	\$5,846.00	\$2,875.00	\$5,318.75	\$2,620.00	\$4,847.00
9.2	HYDRAULIC SEEDING, SEEDING, FERTILIZING, AND MULCHING - TYPE 2	24.67	AC	\$1,500.00	\$37,005.00	\$2,200.00	\$54,274.00	\$2,100.00	\$51,807.00	\$2,125.00	\$52,423.75	\$2,545.00	\$62,785.15	\$2,286.00	\$56,395.62
9.3	SEED, FERTILIZE, MULCH, WETLAND	1.2	AC	\$8,000.00	\$9,600.00	\$2,000.00	\$2,400.00	\$3,000.00	\$3,600.00	\$2,985.00	\$3,582.00	\$2,187.00	\$2,624.40	\$1,920.00	\$2,304.00
9.4	SEED, FERTILIZE, MULCH, PRAIRIE	4.09	AC	\$8,000.00	\$32,720.00	\$1,300.00	\$5,317.00	\$2,300.00	\$9,407.00	\$2,295.00	\$9,386.55	\$1,640.00	\$6,707.60	\$1,365.00	\$5,582.85
9.5	EROSION CONTROL MULCHING	42	AC	\$500.00	\$21,000.00	\$375.00	\$15,750.00	\$500.00	\$21,000.00	\$459.00	\$19,278.00	\$386.00	\$16,212.00	\$395.00	\$16,590.00
9.6	EROSION CONTROL MEASURES	11,940	LF	\$2.00	\$23,880.00	\$1.50	\$17,910.00	\$2.00	\$23,880.00	\$3.00	\$35,820.00	\$1.65	\$19,701.00	\$1.60	\$19,104.00
9.7	BONDED FIBER MATRIX (BFM)	2,538	SY	\$4.00	\$10,152.00	\$1.00	\$2,538.00	\$1.00	\$2,538.00	\$0.85	\$2,157.30	\$0.85	\$2,157.30	\$1.00	\$2,538.00
9.8	TURF REINFORCEMENT MAT (TRM)	4,946	SY	\$6.00	\$29,676.00	\$5.00	\$24,730.00	\$4.00	\$19,784.00	\$4.00	\$19,784.00	\$4.85	\$23,988.10	\$5.00	\$24,730.00
9.9	RIP RAP, CLASS E REVTMENT	1,592	TON	\$40.00	\$63,680.00	\$40.00	\$63,680.00	\$50.00	\$79,600.00	\$62.50	\$99,500.00	\$63.75	\$101,490.00	\$65.00	\$103,480.00
9.10	LANDSCAPE TREES	83	EA	\$300.00	\$24,900.00	\$300.00	\$24,900.00	\$500.00	\$41,500.00	\$402.00	\$33,366.00	\$310.00	\$25,730.00	\$315.00	\$26,145.00
9.11	REMOVAL, FIELD FENCE	2,836	LF	\$2.00	\$5,672.00	\$1.00	\$2,836.00	\$2.00	\$5,672.00	\$2.20	\$6,239.20	\$4.00	\$11,344.00	\$2.25	\$6,381.00
9.12	FIELD FENCE, 4-FT	1,367	LF	\$4.00	\$5,468.00	\$5.00	\$6,835.00	\$9.00	\$12,303.00	\$9.10	\$12,439.70	\$7.75	\$10,594.25	\$5.50	\$7,518.50
9.13	FIELD GATE, 14-FT, SINGLE LEAF	2	EA	\$500.00	\$1,000.00	\$400.00	\$800.00	\$900.00	\$1,800.00	\$1,150.00	\$2,300.00	\$3,600.00	\$7,200.00	\$370.00	\$740.00
9.14	REMOVAL & REPLACEMENT OF EXISTING CHAIN LINK FENCE	46	LF	\$25.00	\$1,150.00	\$20.00	\$920.00	\$50.00	\$2,300.00	\$46.00	\$2,116.00	\$30.00	\$1,380.00	\$39.00	\$1,794.00
9.15	TEMPORARY FENCE, 4-FT	1,395	LF	\$5.00	\$6,975.00	\$3.00	\$4,185.00	\$4.00	\$5,580.00	\$3.50	\$4,882.50	\$3.60	\$5,022.00	\$3.20	\$4,464.00
	<b>TOTAL</b>				<b>\$5,207,025.50</b>		<b>\$4,864,867.50</b>		<b>\$4,999,665.00</b>		<b>\$5,681,906.18</b>		<b>\$6,199,814.30</b>		<b>\$7,195,300.00</b>
ALT 1	Aluminum Box Culvert, 12'X5'	42	LF	Deduct	\$21,000.00	Deduct	(\$4,200.00)	Add	\$10,500.00	Deduct	(\$6,300.00)	Deduct	(\$2,100.00)	Deduct	(\$25,200.00)