

CITY OF

WASILLA

• ALASKA •

Date of Action: <u>9/11/17</u>
Approved <input checked="checked" type="checkbox"/> Denied <input type="checkbox"/>
By: <u>[Signature]</u>

CITY COUNCIL ACTION MEMORANDUM

AM No. 17-36: Contract Award to Tutka, LLC in the amount of \$352,094 for the East Susitna Well Connection Base Bid; and in the amount of \$155,000 for Additive Alternate No. 1 subject to a \$19,027 funding appropriation by Ordinance Serial No. 17-20 for a total contract amount of \$507,094.

Originator: Public Works Director

Date: August 29, 2017

Agenda of: September 11, 2017

Route to:	Department Head	Signature	Date
X	Public Works Director	[Signature]	8/30/17
X	Finance Director	[Signature]	8-30-17
X	Deputy Administrator	[Signature]	8/30/17
X	City Clerk	[Signature]	8/31/17

Reviewed by Mayor Bert L. Cottle: [Signature] 9/1/2017

Fiscal Impact: yes \$488,067

Funds Available: yes

Account name/number:

Wells & Completion of Pumphouse/320-4369-436.45-61
Ordinance Serial No. 17-20

\$488,067
\$19,027

Attachments: CIP Detail Sheet (1 page)
HDL Recommendation of Award (6 pages)

Summary Statement: This project is proposed to connect a new well to the E. Susitna Reservoir that will add capacity to the city's drinking water system. This project is funded primarily through a state legislative grant. The project base bid includes construction of approximately 1,100 LF of 6-inch Class 52 ductile iron pipe with appurtenances, electrical conduits and junction boxes, installation of a pitless adapter on a previously drilled well, site grading, and excavation/embankment for a future roadway.

There were two additive alternates bid for the project: 1) installation of a well pump, drop pipe, and other associated equipment; electrical switchgear and controls for the well; and interior well house piping; and 2) additional excavation/embankment for a future roadway connection to Roberts Street. Proposed is Ordinance Serial No. 17-20 to appropriate funding for Additive Alternate No. 1 that will complete the well connection. The work for connecting Roberts Street will be proposed in FY2018 and will not be part of this contract.

Tutka, LLC provided the low responsive bid for the Base Bid plus Additive Alternate No. 1.

Staff Recommendation: Adopt AM No. 17-36.

City Of Wasilla
Capital Improvement Project Detail
Fiscal Year 2015
Through Fiscal Year 2019

Project Title:

Project Number:
(Assigned By Finance Department)

Project Description:

Department/Div.:

Ranking:
(Assigned By Administration)

Project Narrative:

To explore options for additional groundwater sources for the water utility. This includes property acquisition, the development of existing wells and the construction of exploratory wells; and part 2 of the project will install booster pumps in the E. Susitna well house to provide for a new pressure zone in the area of Home Depot.



Impact on Operating Budget:

Additional costs for electricity to operate new wells and new pumps in existing pump house in the amount of \$3,000 annually beginning in FY2017.

Project Cost Summary

Expenditure Category:

	Prior Budget	Project Expenditures To Date	Project Balance	Additions					Total CIP Cost
				Fiscal YR 2015	Fiscal YR 2016	Fiscal YR 2017	Fiscal YR 2018	Fiscal YR 2019	
Administration/OH	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Land	-	-	-	-	-	-	-	-	-
Design Services	-	-	-	-	-	-	-	-	-
Engineering	-	-	-	85,000	-	-	-	-	85,000
Construction	-	-	-	815,000	-	-	-	-	815,000
Equipment	-	-	-	-	-	-	-	-	-
Other Services	-	-	-	-	-	-	-	-	-
Contingency	-	-	-	-	-	-	-	-	-
Totals	\$ -	\$ -	\$ -	\$ 900,000	\$ -	\$ -	\$ -	\$ -	\$ 900,000

Funding Source Summary

Funding Sources:

	Prior Budget	Project Revenue To Date	Project Balance	Additions					Total CIP Funding
				Fiscal YR 2015	Fiscal YR 2016	Fiscal YR 2017	Fiscal YR 2018	Fiscal YR 2019	
Local:									
Operating Transfers									
State Grant	\$ -	\$ -	\$ -	\$ 900,000	\$ -	\$ -	\$ -	\$ -	\$ 900,000
Totals	\$ -	\$ -	\$ -	\$ 900,000	\$ -	\$ -	\$ -	\$ -	\$ 900,000

Cost Beyond 5-Year Program:

August 30, 2017

Archie Giddings, Public Works Director
 City of Wasilla
 290 E. Herning Avenue
 Wasilla, AK 99654

RE: Recommendation of Award
 East Susitna Well Connection

Dear Mr. Giddings:

We have reviewed the bids submitted for the above-referenced project and have noted the following bid irregularities:

- Dirtworks, Inc. did not correctly calculate the overall total for Schedule C, resulting in a net decrease of \$1,370.00 to Schedule C and the total bid.
- Dirtworks included a bid bond for 5 percent of the bid; the invitation to bid required a bid bond in the amount of 10 percent of the bid.

These irregularities had no effect on the cost ranking between the three submitted bid proposals. The corrected bid totals and corresponding contractor rankings for the award of the Base Bid and Additive Alternate #1; and the award of the Base Bid, Additive Alternate #1, and Additive Alternate #2 are summarized below:

Award Base Bid and Additive Alternate #1				
Rank	Contractor	Base Bid	Add Alt 1	Total
1	Tutka, LLC	\$ 352,094.00	\$ 155,000.00	\$ 507,094.00
2	Dirtworks, Inc.	\$ 345,503.00	\$ 188,000.00	\$ 533,503.00
3	Big Dipper Construction, Inc.	\$ 532,094.07	\$ 119,154.09	\$ 651,248.16

Award Base Bid, Additive Alternate #1, and Additive Alternate #2					
Rank	Contractor	Base Bid	Add Alt 1	Add Alt 2	Total
1	Tutka, LLC	\$ 352,094.00	\$ 155,000.00	\$ 50,570.00	\$ 557,664.00
2	Dirtworks, Inc.	\$ 345,503.00	\$ 188,000.00	\$ 34,641.00	\$ 568,144.00
3	Big Dipper Construction, Inc.	\$ 532,094.07	\$ 119,154.09	\$ 42,587.75	\$ 693,835.91

CIVIL
ENGINEERING

GEOTECHNICAL
ENGINEERING

TRANSPORTATION
ENGINEERING

ENVIRONMENTAL
SERVICES

PLANNING

SURVEYING
& MAPPING

CONSTRUCTION
ADMINISTRATION

MATERIAL
TESTING

RIGHT-OF-WAY
SERVICES

RE: Recommendation of Award

August 30, 2017

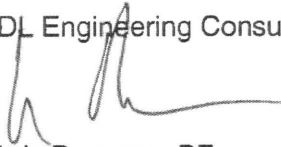
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Based on discussions with the City, they intend to award the Base Bid plus Additive Alternative #1, depending on funding. Therefore, we recommend award of the contract including the Base Bid and Additive Alternate #1 to Tutka, LLC of Wasilla, Alaska.

Please contact us if you need anything further.

Sincerely,

HDL Engineering Consultants, LLC



Chris Bowman, PE
Project Manager

attach: Bid Tabulation

**East Susitna Well Connection
Bid Summary**

	Engineer's Estimate	Tutka	Dirtworks, Inc.	Big Dipper Construction, Inc.
Calculated Schedule A Total	\$ 511,490.00	\$ 352,094.00	\$ 345,503.00	\$ 532,094.07
As-submitted Schedule A Total		\$ 352,094.00	\$ 345,503.00	\$ 532,094.07
Difference Base Bid		\$ -	\$ -	\$ -
Calculated Schedule B Total	\$ 200,000.00	\$ 155,000.00	\$ 188,000.00	\$ 119,154.09
As-submitted Schedule B Total		\$ 155,000.00	\$ 188,000.00	\$ 119,154.09
Difference Additive Alternate		\$ -	\$ -	\$ -
Calculated Schedule C Total	\$ 66,075.00	\$ 50,570.00	\$ 34,641.00	\$ 42,587.75
As-submitted Schedule C Total		\$ 50,570.00	\$ 36,011.00	\$ 42,587.75
Difference Additive Alternate		\$ -	\$ (1,370.00)	\$ -
Calculated Bid (Sch A + Sch B)	\$ 711,490.00	\$ 507,094.00	\$ 533,503.00	\$ 651,248.16
Calculated Total Bid (Sch A + Sch B+Sch C)	\$ 777,565.00	\$ 557,664.00	\$ 568,144.00	\$ 693,835.91
As-submitted Total Bid		\$ 557,664.00	\$ 569,514.00	\$ 693,835.91
Difference Total Bid		\$ -	\$ (1,370.00)	\$ -
Acknowledged Addenda	-	yes	yes	yes
Bid Proposal signed	-	yes	yes	yes
10% Bid Bond	-	yes	No (5% Bid Bond)	yes
Bidder Qualification Form	-	yes	yes	yes

**East Susitna Well Connection
Bid Summary**

Schedule A - BASE BID - East Susitna Well Connection

Bid Item No.	Item Description	Bid Quantity	Unit	Engineer's Estimate		Tutka		Dirtworks, Inc.		Big Dipper Construction, Inc.	
				Unit Price	Bid Value	Unit Price	Bid Value	Unit Price	Bid Value	Unit Price	Bid Value
A-1	Stormwater Pollution Prevention Plan	1	LS	\$ 10,000.00	\$ 10,000.00	\$ 3,000.00	\$ 3,000.00	\$ 9,700.00	\$ 9,700.00	\$ 101,284.70	\$ 101,284.70
A-2	Clearing and Grubbing	1	All Req'd	\$ 30,000.00	\$ 30,000.00	\$ 16,500.00	\$ 16,500.00	\$ 48,500.00	\$ 48,500.00	\$ 25,508.61	\$ 25,508.61
A-3	Usable Excavation	6000	CY	\$ 18.00	\$ 108,000.00	\$ 8.40	\$ 50,400.00	\$ 5.00	\$ 30,000.00	\$ 5.78	\$ 34,680.00
A-4	Unusable Excavation	1,000	CY	\$ 15.00	\$ 15,000.00	\$ 12.30	\$ 12,300.00	\$ 3.85	\$ 3,850.00	\$ 6.73	\$ 6,730.00
A-5	Leveling Course	31	Ton	\$ 50.00	\$ 1,550.00	\$ 92.00	\$ 2,852.00	\$ 49.00	\$ 1,519.00	\$ 39.68	\$ 1,230.08
A-6	F&I CL 52 DIP Water Main	1,088	LF	\$ 160.00	\$ 174,080.00	\$ 104.00	\$ 113,152.00	\$ 112.75	\$ 122,672.00	\$ 119.97	\$ 130,527.36
A-7	Well House Connection Complete	1	LS	\$ 20,000.00	\$ 20,000.00	\$ 16,000.00	\$ 16,000.00	\$ 11,225.00	\$ 11,225.00	\$ 14,633.75	\$ 14,633.75
A-8	F&I 6" Gate Valve, Valve Box, and Marker	2	EA	\$ 2,000.00	\$ 4,000.00	\$ 5,000.00	\$ 10,000.00	\$ 2,600.00	\$ 5,200.00	\$ 1,696.25	\$ 3,392.50
A-9	F&I Flushing Hydrant	1	EA	\$ 8,000.00	\$ 8,000.00	\$ 6,200.00	\$ 6,200.00	\$ 5,360.00	\$ 5,360.00	\$ 5,865.00	\$ 5,865.00
A-10	F&I Pitless Adapter, 8-inch & Grout Existing Production Well	1	EA	\$ 30,000.00	\$ 30,000.00	\$ 7,800.00	\$ 7,800.00	\$ 10,000.00	\$ 10,000.00	\$ 7,357.13	\$ 7,357.13
A-11	Grout Existing Monitoring Well, Complete	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 2,300.00	\$ 2,300.00	\$ 1,920.00	\$ 1,920.00	\$ 2,312.94	\$ 2,312.94
A-12	Construction Survey Measurement	1	LS	\$ 20,000.00	\$ 20,000.00	\$ 9,300.00	\$ 9,300.00	\$ 15,680.00	\$ 15,680.00	\$ 12,650.00	\$ 12,650.00
A-13	Soil Stabilization Matting (Erosion Control Blankets)	30	1,000 SF	\$ -	\$ -	\$ 575.00	\$ 17,250.00	\$ 166.50	\$ 4,995.00	\$ 2,000.00	\$ 60,000.00
A-14	Topsoil at 4" Depth	46	1,000 SF	\$ 250.00	\$ 11,500.00	\$ 340.00	\$ 15,640.00	\$ 217.00	\$ 9,982.00	\$ 557.75	\$ 25,656.50
A-15	Seeding, Schedule A Mix Including Water	46	1,000 SF	\$ 125.00	\$ 5,750.00	\$ 150.00	\$ 6,900.00	\$ 250.00	\$ 11,500.00	\$ 345.00	\$ 15,870.00
A-16	2" HDPE Conduit w/GRC Elbows	2,200	LF	\$ 17.55	\$ 38,610.00	\$ 20.00	\$ 44,000.00	\$ 17.00	\$ 37,400.00	\$ 32.69	\$ 71,918.00
A-17	Type IA J-Box	10	EA	\$ 3,000.00	\$ 30,000.00	\$ 1,850.00	\$ 18,500.00	\$ 1,600.00	\$ 16,000.00	\$ 1,247.75	\$ 12,477.50

**East Susitna Well Connection
Bid Summary**

Schedule B - Additive Alternate #1-Complete East Susitna Well

Item		Bid Quantity	Unit	Engineer's Estimate		Tutka		Dirtworks Inc.		Big Dipper Construction, Inc.	
Bid Item No.	Description			Unit Price	Bid Value	Unit Price	Bid Value	Unit Price	Bid Value	Unit Price	Bid Value
B-1	East Susitna Well Completion, Complete	1	LS	\$ 200,000.00	\$ 200,000.00	\$ 155,000.00	\$ 155,000.00	\$ 188,000.00	\$ 188,000.00	\$ 119,154.09	\$ 119,154.09

**East Susitna Well Connection
Bid Summary**

Schedule C - Additive Alternate #2 - Future Roberts Street Connection

Bid Item No.	Item Description	Bid Quantity	Unit	Engineer's Estimate		Tutka		Dirtworks Inc.		Big Dipper Construction, Inc.	
				Unit Price	Bid Value	Unit Price	Bid Value	Unit Price	Bid Value	Unit Price	Bid Value
C-1	Stormwater Pollution Prevention Plan	1	LS	\$ 2,500.00	\$ 2,500.00	\$ 600.00	\$ 600.00	\$ 2,385.00	\$ 2,385.00	\$ 1,500.00	\$ 1,500.00
C-2	Clearing and Grubbing	1	All Req'd	\$ 3,500.00	\$ 3,500.00	\$ 4,000.00	\$ 4,000.00	\$ 4,455.00	\$ 4,455.00	\$ 2,000.00	\$ 2,000.00
C-3	Unusable Excavation	3,800	CY	\$ 14.00	\$ 53,200.00	\$ 10.40	\$ 39,520.00	\$ 4.55	\$ 17,290.00	\$ 6.73	\$ 25,574.00
C-4	Construction Survey Measurement	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 1,800.00	\$ 1,800.00	\$ 2,600.00	\$ 2,600.00	\$ 1,000.00	\$ 1,000.00
C-5	Soil Stabilization Matting (Erosion Control Blankets)	4	1,000 SF	\$ -	\$ -	\$ 550.00	\$ 2,200.00	\$ 409.00	\$ 1,636.00	\$ 2,000.00	\$ 8,000.00
C-6	Topsoil at 4" Depth	5	1,000 SF	\$ 250.00	\$ 1,250.00	\$ 340.00	\$ 1,700.00	\$ 550.00	\$ 2,750.00	\$ 557.75	\$ 2,788.75
C-7	Seeding, Schedule A Mix Including Water	5	1,000 SF	\$ 125.00	\$ 625.00	\$ 150.00	\$ 750.00	\$ 705.00	\$ 3,525.00	\$ 345.00	\$ 1,725.00