COUNCIL DECISION REQUEST

SUBJECT: Airline Road Area Water and Sewer

MEETING DATE: 04-21-11

PAYSON GOAL: NEW: EXISTING:

ITEM NO.:

TENTATIVE SCHEDULE:

SUBMITTED BY: LaRon Garrett, Pub. Wks Dir.

AMOUNT BUDGETED: $0

SUBMITTAL TO AGENDA
APPROVED BY TOWN MANAGER

EXPENDITURE REQUIRED: $0

CONT. FUNDING REQUIRED: $0

EXHIBITS (If Applicable, To Be Attached): Bid Tabulation

POSSIBLE MOTION:

I move to approve the award of the water line portion of the Airline Road Area Water and Sewer construction project to Pierson Construction and authorize staff to proceed with the improvements in accordance with the Intergovernmental Agreement between the Town and the Northern Gila County Sanitary District approved with Resolution No. 2563.

SUMMARY OF THE BASIS FOR POSSIBLE MOTION:

The area along Airline Road and Luke Drive in the northeast part of Payson is not served by sanitary sewer. The area was recently annexed into the Northern Gila County Sanitary District (NGCSD). With the annexation in place, the NGCSD proceeded with an improvement district project to provide sanitary sewer service to that area. The water lines in that area are very small (2"– 4") and do not provide fire protection. The Town and the NGCSD entered into an Intergovernmental Agreement in July, 2010 to participate as partners on this project.

The Town of Payson owns four parcels of property in this area. There are two regular lots (one has a well on it), one small piece that is a well site, and one small piece that is adjacent to the two lots. The septic systems in the area pose a potential threat of contamination to the existing wells. It is in the Town's interest to have this area served by sanitary sewer to protect the Town wells.

The provisions of the Intergovernmental Agreement are summarized as follows:

The Town will:

1. Pay $300,000 towards the construction of the sanitary sewer in this project,
2. Pay the normal assessment for the four Town owned properties just like any other property owner (Currently estimated to be $7,995.73 ea.: 4 x $7995.73 = $31,982.92),
3. Pay for the design of the water system in this project, and
4. Pay for the water related construction items in this project such as water line, fire hydrants, pavement replacement due to water line construction, etc.

The NGCSD will:

1. Pay for the design of the sanitary sewer system in this project,
2. Bid the entire project,
3. Contract with the winning contractor for the entire project, and

(added 4-18-11 4:30pm)

APR 21 2011 H. 2

COUNCIL DECISION REQUEST

4. Bill the Town for the water system improvements during construction as per the accepted bid.

The NGCSD received five bids on this project on April 7th and bids were opened on April 8th. A complete bid tabulation is attached and a summary of the bids is as follows:

Contractor	Sanitary Sewer Project	Water System Project	Total Bid
1 Empire Excavation, Inc.	$449,914.20	$528,224.50	$978,138.70
2 Pierson Construction	$481,081.60	$508,611.00	$989,692.60
3 CNB	$581,669.00	$572,062.00	$1,153,761.00
4 Intermountain West	$643,650.52	$544,602.00	$1,188,252.52
5 T&T Construction	$1,108,028.50	$962,864.50	$2,070,893.00

After reviewing the bids and supporting information submitted with the bids, the NGCSD awarded the project to Pierson Construction. Since this is a joint project between the two agencies, the Town needs to use the same contractor on the project. Therefore, staff requests that the water portion of this project be awarded to Pierson Construction for a bid price of $508,611.00. The actual final price may vary from the bid price due to final quantities measured in the field.

Construction will begin in late May or early June. This construction project is being funded by the Water Department and the 2011-2012 budget will include a line item for these funds.

PROS: This project will provide fire protection and better water service in the area while the NGCSD project will eliminate the septic systems in the area and greatly reduce the potential for well contamination.

CONS: None

PUBLIC INPUT (if any): N/A

BOARD/COMMITTEE/COMMISSION ACTIONS/RECOMMENDATIONS (if any) (give dates and attach minutes): N/A

FUNDING:

Acct: 661-5-5451-08-8009-W21 Budget: $200,000 in 2010-2011
Available: Expense: Remaining:

Acct: Budget: Available: Expense: Remaining:

Acct: Budget: Available: Expense: Remaining:

BA: _____ Date: _____

TETRA TECH, INC.

NGCSD - AIRLINE/LUKE CORRIDOR SEWER IMPROVEMENT PROJECT
BID TABULATION
Project No. 134-08933-10003
April 8, 2011

Item No.	Description	Quantity	Unit	ENGINEER'S ESTIMATE OF COST Unit Cost	ENGINEER'S ESTIMATE OF COST Total Cost	Empire Excavation Unit Cost	Empire Excavation Total Cost	Pierson Construction Unit Cost	Pierson Construction Total Cost	CNB Unit Cost	CNB Total Cost	InterMountain West Unit Cost	InterMountain West Total Cost	T&T Construction Unit Cost	T&T Construction Total Cost
A) Paving and Drainage & Miscellaneous Items															
101	MOBILIZATION / DEMOBILIZATION	1	L.S.	$30,000.00	$ 30,000.00	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
102	TRAFFIC CONTROL	1	L.S.	15,000.00	15,000.00	-	-	-	-	-	-	-	-	-	-
103	COMPACTION TESTING	1	L.S.	20,000.00	20,000.00	7,500.00	7,500.00	11,140.00	11,140.00	8,000.00	8,000.00	17,000.00	17,000.00	7,850.00	7,850.00
104	SEWER LINE PAVEMENT REPLACEMENT:CUT, REMOVE, AND REPLACE EXIST. A.C. PAVEMENT PER DTL. ON DWG. C-501	4,585	SY	37.13	170,248.00	13.50	61,897.50	21.00	96,285.00	22.00	100,870.00	18.50	84,822.50	23.00	105,455.00
105	WATER LINE PAVEMENT REPLACEMENT:SAWCUT, REMOVE, AND REPLACE EXIST. A.C. PAVEMENT PER DTL. ON DWG. C-501	3,472	SY	37.13	128,920.62	13.50	46,872.00	21.00	72,912.00	22.00	76,384.00	18.50	64,232.00	23.00	79,856.00
111	CONCRETE VERT. CURB & GUTTER, TYPE "A" PER M.A.G. STD. DTL. 220-1 H=6"	85	LF	25.00	2,125.00	14.00	1,190.00	11.00	935.00	23.00	1,955.00	20.30	1,725.50	27.50	2,337.50
115	REMOVE AND REPLACE CURB WITH LIKE IN-KIND	73	LF	25.00	1,825.00	24.00	1,752.00	4.00	292.00	17.00	1,241.00	29.30	2,138.90	34.00	2,482.00
125	CONCRETE SIDEWALK PER M.A.G. STD. DTL. 230 W=5'	285	SF	7.50	2,137.50	4.50	1,282.50	6.00	1,710.00	6.00	1,710.00	3.38	963.30	5.00	1,425.00
135	RESIDENTIAL DRIVEWAY ENTRANCE PER M.A.G. STD. DTL. 250 W=29'	152	SF	15.00	2,280.00	5.60	851.20	8.00	1,216.00	7.00	1,064.00	3.66	556.32	7.50	1,140.00
178	PROTECT IN-PLACE EXIST. DRAINAGE PIPE	67	EA	100.00	6,700.00	200.00	13,400.00	50.00	3,350.00	50.00	3,350.00	113.00	7,571.00	150.00	10,050.00
185	REMOVE, DISCARD AND REPLACE EXIST. DRIVEWAY WITH LIKE IN KIND.	8	EA	2,500.00	20,000.00	500.00	4,000.00	200.00	1,600.00	200.00	1,600.00	800.00	6,400.00	256.00	2,048.00
186	REMOVE, SALVAGE & REPLACE EXISTING DRYSTACK WALL	19	EA	2,000.00	38,000.00	27.00	513.00	117.00	2,223.00	135.00	2,565.00	56.00	1,064.00	2,155.00	40,945.00
187	REMOVE, SALVAGE & REPLACE EXISTING RETAINING WALL W/LIKE IN-KIND	1	EA	2,000.00	2,000.00	1,500.00	1,500.00	175.00	175.00	500.00	500.00	1,126.00	1,126.00	3,080.00	3,080.00
189	REMOVE, SALVAGE & REPLACE EX. PLANTER	2	EA	1,000.00	2,000.00	750.00	1,500.00	230.00	460.00	300.00	600.00	788.00	1,576.00	1,540.00	3,080.00
190	REMOVE EXISTING COMMUNITY MAILBOX, PROVIDE TEMPORARY SERVICE DURING CONSTRUCTION, AND REPLACE. COORDINATE WITH U.S. POSTAL SERVICE FOR REQUIREMENTS.	9	EA	350.00	3,150.00	400.00	3,600.00	110.00	990.00	20.00	180.00	225.00	2,025.00	1,262.00	11,358.00
191	REMOVE, SALVAGE & REPLACE EX. SIGN	7	EA	225.00	1,575.00	150.00	1,050.00	90.00	630.00	20.00	140.00	113.00	791.00	390.00	2,730.00
192	REMOVE, DISCARD & REPLACE EXIST. DRAINAGE PIPE W/LIKE IN-KIND	1	EA	700.00	700.00	1,000.00	1,000.00	325.00	325.00	200.00	200.00	1,350.00	1,350.00	4,050.00	4,050.00
199	GLADE LANE HARD ROCK EXCAVATION	151	CY	115.00	17,365.00	65.00	9,815.00	180.00	27,180.00	36.00	5,436.00	113.00	17,063.00	58.00	8,758.00
203	18" CMP, 16 GA.	72	LF	40.00	2,880.00	24.00	1,728.00	23.00	1,656.00	62.00	4,464.00	45.00	3,240.00	68.50	4,932.00
	Total A) Paving and Drainage & Miscellaneous Items . . .				**$ 466,906.12**		**$ 159,451.20**		**$ 223,079.00**		**$ 210,259.00**		**$ 213,644.52**		**$ 291,576.50**

TETRA TECH, INC.

NGCSD - AIRLINE/LUKE CORRIDOR SEWER IMPROVEMENT PROJECT
BID TABULATION
Project No. 134-08933-10003
April 8, 2011

Item No.	Description	ENGINEER'S ESTIMATE OF COST				Empire Excavation		Pierson Construction		CNB		InterMountain West		T&T Construction	
		Quantity	Unit	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
B) Water Distribution															
301	4" PVC WATER MAIN	1,617	LF	$ 34.00	$ 54,978.00	$ 29.00	$ 46,893.00	$ 25.00	$ 40,425.00	$ 28.00	$ 45,276.00	$ 28.00	$ 45,276.00	$ 39.00	$ 63,063.00
302	6" PVC WATER MAIN	357	LF	40.00	14,280.00	32.50	11,602.50	27.00	9,639.00	26.00	9,282.00	30.00	10,710.00	42.50	15,172.50
303	8" PVC WATER MAIN	6,704	LF	51.00	341,904.00	42.50	284,920.00	27.00	181,008.00	34.00	227,936.00	33.00	221,232.00	72.75	487,716.00
312	8" DIP WATER MAIN	20	LF	80.00	1,600.00	63.00	1,260.00	50.00	1,000.00	52.00	1,040.00	80.00	1,600.00	78.75	1,575.00
335	2" VALVE, BOX AND COVER	1	EA	900.00	900.00	450.00	450.00	700.00	700.00	600.00	600.00	600.00	600.00	980.00	980.00
336	4" VALVE, BOX AND COVER	6	EA	1,000.00	6,000.00	700.00	4,200.00	875.00	5,250.00	750.00	4,500.00	850.00	5,100.00	1,162.00	6,972.00
337	6" VALVE, BOX AND COVER	2	EA	1,200.00	2,400.00	850.00	1,700.00	1,050.00	2,100.00	950.00	1,900.00	975.00	1,950.00	1,190.00	2,380.00
338	8" VALVE, BOX AND COVER	31	EA	1,500.00	46,500.00	1,250.00	38,750.00	1,300.00	40,300.00	1,300.00	40,300.00	1,350.00	41,850.00	1,562.00	48,422.00
343	8" 90° ELBOW	3	EA	750.00	2,250.00	200.00	600.00	260.00	780.00	250.00	750.00	525.00	1,575.00	270.00	810.00
344	8"x4" TEE	6	EA	800.00	4,800.00	215.00	1,290.00	460.00	2,760.00	450.00	2,700.00	575.00	3,450.00	305.00	1,830.00
346	8"x8" TEE	5	EA	1,200.00	6,000.00	250.00	1,250.00	490.00	2,450.00	475.00	2,375.00	650.00	3,250.00	600.00	3,000.00
349	8"x6" TEE	4	EA	1,000.00	4,000.00	225.00	900.00	400.00	1,600.00	350.00	1,400.00	625.00	2,500.00	330.00	1,320.00
359	8"x4" REDUCER	1	EA	500.00	500.00	175.00	175.00	175.00	175.00	200.00	200.00	460.00	460.00	210.00	210.00
365	6"x2" REDUCER	1	EA	300.00	300.00	160.00	160.00	175.00	175.00	200.00	200.00	430.00	430.00	150.00	150.00
367	REMOVE & DISCARD EXISTING WATER LINE.	622	LF	8.50	5,287.00	11.00	6,842.00	1.00	622.00	2.00	1,244.00	16.00	9,952.00	36.00	22,392.00
368	8" 45° ELBOW	3	EA	600.00	1,800.00	190.00	570.00	230.00	690.00	250.00	750.00	455.00	1,365.00	250.00	750.00
369	WATER SERVICE LINE PER TYPICAL EXISTING WATER SERVICE DETAIL ON DWG C-501	35	EA	500.00	17,500.00	270.00	9,450.00	700.00	24,500.00	775.00	27,125.00	450.00	15,750.00	1,269.00	44,415.00
371	PROTECT IN-PLACE EX. VALVE AND FIRE HYDRANT. RECONNECT TO NEW WATERLINE. COORDINATE WITH T.O.P. WATER DEPT.	1	EA	1,000.00	1,000.00	525.00	525.00	975.00	975.00	800.00	800.00	1,015.00	1,015.00	1,550.00	1,550.00
372	REMOVE AND REPLACE EX. WATER METER. COORDINATE WITH T.O.P. WATER DEPT.	0	EA	400.00	-	-	-	-	-	-	-	-	-	1,000.00	-
380	6" FIRE HYDRANT (COMPLETE) PER DETAIL ON DWG. C-502	11	EA	4,000.00	44,000.00	3,100.00	34,100.00	4,000.00	44,000.00	4,000.00	44,000.00	3,535.00	38,885.00	5,135.00	56,485.00
381	BLOW-OFF VALVE PER DTL. ON DWG. C-502	9	EA	1,300.00	11,700.00	875.00	7,875.00	1,200.00	10,800.00	1,200.00	10,800.00	805.00	7,245.00	1,775.00	15,975.00
387	REMOVE AND DISCARD EXISTING WATER SERVICE LINE, REPLACE PER T.O.P. DETAIL ON DWG. C-502	0	EA	500.00	-	-	-	-	-	-	-	-	-	2,000.00	-
390	SINGLE WATER SERVICE PER DETAIL ON DWG. C-502	19	EA	650.00	12,350.00	385.00	7,315.00	820.00	15,580.00	900.00	17,100.00	900.00	17,100.00	1,475.00	28,025.00
391	DUAL WATER SERVICE PER DETAIL ON DWG. C-502	35	EA	900.00	31,500.00	510.00	17,850.00	1,220.00	42,700.00	1,300.00	45,500.00	1,100.00	38,500.00	1,498.00	52,430.00
393	EXISTING WATERLINE TO BE DISCONNECTED, CONNECT NEW WATER MAIN TO EXISTING WATER MAIN.	7	EA	1,000.00	7,000.00	275.00	1,925.00	900.00	6,300.00	1,100.00	7,700.00	1,125.00	7,875.00	3,180.00	22,260.00
394	CONNECT EXISTING WATER LINE PER T.O.P. REQUIREMENTS	2	EA	1,000.00	3,000.00	375.00	750.00	585.00	1,170.00	1,100.00	2,200.00	1,350.00	2,700.00	2,563.00	5,126.00
	Total B) Water Distribution . . .				$ 621,549.00		$ 481,352.50		$ 435,699.00		$ 495,678.00		$ 480,370.00		$ 883,008.50

TETRA TECH, INC.

NGCSD - AIRLINE/LUKE CORRIDOR SEWER IMPROVEMENT PROJECT
BID TABULATION
Project No. 134-08933-10003
April 8, 2011

Item No.	Description	ENGINEER'S ESTIMATE OF COST				Empire Excavation		Pierson Construction		CNB		InterMountain West		T&T Construction	
		Quantity	Unit	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
C) Sanitary Sewerage															
500	4' DIA. MANHOLE PER MAG STD. DTL. 420	28	EA	$ 3,600.00	$ 100,800.00	$2,400.00	$ 67,200.00	$2,340.00	$ 65,520.00	$2,400.00	$ 67,200.00	$4,200.00	$ 117,600.00	$3,338.00	$ 93,464.00
506	6" PVC SEWER MAIN	2,099	LF	38.00	79,762.00	29.50	61,920.50	25.00	52,475.00	36.00	75,564.00	33.00	69,267.00	54.00	113,346.00
507	8" PVC SEWER MAIN	4,636	LF	45.00	208,620.00	32.00	148,352.00	28.00	129,808.00	38.00	176,168.00	35.00	162,260.00	108.00	500,688.00
513	8" DIP SEWER MAIN	148	LF	70.00	10,360.00	65.00	9,620.00	57.00	8,436.00	75.00	11,100.00	90.00	13,320.00	114.00	16,872.00
517	SEWER CLEANOUT PER DTL. ON DWG. C-501	10	EA	1,000.00	10,000.00	300.00	3,000.00	450.00	4,500.00	425.00	4,250.00	835.00	8,350.00	635.00	6,350.00
518	4" PVC 2-WAY CLEANOUT WITH THREADED PLUG AT FINISH GRADE AND FRAME AND COVER PER M.A.G. STD. DTL. 441	1	EA	750.00	750.00	280.00	280.00	640.00	640.00	725.00	725.00	900.00	900.00	1,002.00	1,002.00
519	SERIES S.S.R.S. SIMPLEX ENGINEERED GRINDER PUMP STATION COPLETE W/ 2HP S.G.V.H. PUMP AS MANUFACTURED BY BARNES PRESSURE SYSTEMS OR APPROVED EQUAL	1	EA	3,500.00	3,500.00	6,500.00	6,500.00	4,600.00	4,600.00	5,500.00	5,500.00	12,400.00	12,400.00	15,500.00	15,500.00
520	4" PVC SEWER SERVICE CONNECTION PER DTL. ON DWG. C-503.	100	EA	750.00	75,000.00	340.00	34,000.00	585.00	58,500.00	950.00	95,000.00	900.00	90,000.00	1,095.00	109,500.00
521	6" PVC SEWER SERVICE CONNECTION PER DTL. ON DWG. C-503.	4	EA	900.00	3,600.00	260.00	1,040.00	700.00	2,800.00	1,100.00	4,400.00	1,125.00	4,500.00	2,895.00	11,580.00
522	CAP LINE FOR FUTURE EXTENSION	4	EA	500.00	2,000.00	105.00	420.00	70.00	280.00	78.00	312.00	280.00	1,120.00	143.00	572.00
525	WATER AND SANITARY SEWER CROSSING PER M.A.G. STD. DTL. 404	14	EA	500.00	7,000.00	200.00	2,800.00	117.00	1,638.00	300.00	4,200.00	700.00	9,800.00	1,492.00	20,888.00
527	EXISTING 4' DIA. SEWER MANHOLE, PROTECT IN PLACE	1	EA	250.00	250.00	500.00	500.00	117.00	117.00	200.00	200.00	565.00	565.00	616.00	616.00
528	REMOVE AND DISCARD EXIST. 8" PVC SEWER STUB. CONNECT TO NEW 8" PVC SEWER LINE	1	EA	1,000.00	1,000.00	150.00	150.00	58.00	58.00	800.00	800.00	1,125.00	1,125.00	2,750.00	2,750.00
529	CONNECT TO EXIST. M.H. WITH DROP INLET PER DETAIL ON DWG C-501	1	EA	2,000.00	2,000.00	675.00	675.00	1,170.00	1,170.00	2,000.00	2,000.00	1,600.00	1,600.00	2,640.00	2,640.00
908	REMOVE AND DISCARD EXIST. CONC. SIDEWALK	135	SF	4.00	540.00	4.50	607.50	2.30	310.50	2.00	270.00	8.00	1,080.00	2.00	270.00
909	REMOVE AND DISCARD EXIST. CONC. CURB & GUTTER	27	LF	12.00	324.00	10.00	270.00	2.30	62.10	5.00	135.00	13.00	351.00	10.00	270.00
	Total C) Sanitary Sewerage . . .				**$ 505,506.00**		**$ 337,335.00**		**$ 330,914.60**		**$ 447,824.00**		**$ 494,238.00**		**$ 896,308.00**
	Sub-Total A, B, and C . . .				**$1,593,961.12**		**$ 978,138.70**		**$ 989,692.60**		**$1,153,761.00**		**$1,188,252.52**		**$2,070,893.00**
	Sanitary Sewer Sub-Total A and C (Excluding Item 105) . . .				**$ 843,491.50**		**$ 449,914.20**		**$ 481,081.60**		**$ 581,699.00**		**$ 643,650.52**		**$1,108,028.50**
	Domestic Water Sub-Total A and B (Excluding 104) . . .				**$ 918,207.12**		**$ 578,906.20**		**$ 33,091.46**		**$ 605,067.00**		**$ 609,192.02**		**$1,069,130.00**
	Contingencies (10%) . . .				**$ 159,396.11**		**$ 97,813.87**		**$ 98,969.26**		**$ 115,376.10**		**$ 118,825.25**		**$ 207,089.30**
	TOTAL A, B AND C PLUS 10% CONTINGENCY ...				**$1,753,357.24**		**$1,075,952.57**		**$1,088,661.86**		**$1,269,137.10**		**$1,307,077.77**		**$2,277,982.30**