

**STATE OF SOUTH DAKOTA
FINANCIAL AND LETTING AGREEMENT BETWEEN
DEPARTMENT OF TRANSPORTATION
AND
CITY OF RAPID CITY**

This Agreement is made by and between the State of South Dakota, acting by and through its Department of Transportation, referred to in this Agreement "STATE," and the City of Rapid City, South Dakota, referred to in this Agreement "CITY."

1. STATE PROJECTS

The STATE and the CITY concur in the proposal for the new construction or improvement of streets identified as South Dakota Federal Aid Construction Project Numbers:

- A. STATE PROJECT: P 0044(129)42 PCN 00X9, is located on South Dakota Highway 44 (Jackson Boulevard), from Rapid Creek to Mountain View Road and consists of grading, storm sewer, curb and gutter, signals, lighting and portland cement concrete paving (PCCP) deck overlay, approach slabs and right-of-way.
- B. STATE PROJECT: SSW09-1510 PCN X01W, is located along South Dakota Highway 44 (Jackson Boulevard), as described in 3.C. I. - VI.

2. CITY PROJECT

CITY UTILITY PROJECT SS09-1509/CIP 50177 PCN X01D is located along South Dakota Highway 44 (Jackson Boulevard) and consists of storm water quality improvements.

3. CONTRACT PROCUREMENT

- A. The STATE will upgrade the standard storm sewer system located along South Dakota 44 (Jackson Boulevard) as requested by the CITY as part of the STATE PROJECT (PCN 00X9). The CITY agrees to pay actual costs above the cost of the STATE'S standard storm sewer estimated at One Million, Eighteen Thousand and Sixty Dollars (\$1,018,060.00). The total estimated cost of storm sewer is One Million, Four Hundred Ninety-three Thousand, Two Hundred and Ten Dollars (\$1,493,210.00). The CITY'S estimated cost will be Four Hundred Seventy-five Thousand, One Hundred and Fifty Dollars (\$475,150.00), as attached as Attachment 1, and hereby made a part of this Agreement. Actual costs will be based upon actual bids and final quantities.

The STATE will construct as a part of the storm sewer outfall near the CITY'S water treatment facility, energy dissipation structures to reduce the velocity of the storm water at the outfall. The STATE and the CITY each agree to pay Fifty Percent (50%) of the actual cost to construct these improvements. The estimated cost is Seventy-seven Thousand, Six Hundred and Fifty Dollars (\$77,650.00), as attached as Attachment 1.A., and hereby made a part of this Agreement. Actual costs will be based upon actual bids and final quantities.

- B. The STATE agrees to extend the replacement of concrete pavement along Jackson Boulevard east of the project limits, to replace a portion of aged pavement of the CITY'S street. The CITY agrees to pay the total cost for reconstruction of the eastbound lanes and associated new curb & gutter. The estimated cost is Forty Five Thousand, Nine Hundred and Ninety Dollars (\$45,990.00), as attached as Attachment 4, and hereby made a part of this Agreement. Actual costs will be based upon bids and final quantities.

- C. The STATE will design and insert the plan sheets with the STATE PROJECT (PCN 00X9) for the described construction in items I through VI and identified as STATE PROJECT (PCN X01W). The STATE will construct the said project, but the CITY will be billed for the described work. The CITY agrees to pay the STATE within forty-five (45) days of receipt of billings from the STATE.
- I. The STATE agrees to reconstruct approximately Seventy-four (74) feet of Central Boulevard south of the Central Boulevard/Jackson Boulevard intersection, to include PCCP, concrete curb and gutter, concrete sidewalk. The CITY agrees to pay the total cost for reconstruction of the roadway estimated at Thirty Three, Nine Hundred and Seventy Dollars (\$33,970.00), as attached as Attachment 4, and, hereby made a part of this Agreement. Actual costs will be based upon bids and final quantities.
 - II. The STATE agrees to reconstruct Sheridan Lake Road north of Jackson Boulevard between Sheridan Lake Road stationing 3+16.75 and 7+00.00. The reconstruction will include new portland cement concrete pavement (PCCP), curb and gutter and sidewalk on the left side. The CITY agrees to pay the actual costs above the STATE'S cost to widen the same length of roadway with asphalt concrete pavement and construct new curb and gutter on the right side. The estimated cost to construct with asphalt concrete pavement is Thirty-four Thousand, Nine Hundred and Fifty Dollars (\$34,950.00). The estimated cost to construct Sheridan Lake Road north of Jackson Boulevard with PCCP is estimated at One Hundred Seventy-seven Thousand, Three Hundred and Ninety Dollars (\$177,390.00). The CITY'S estimated cost will be One Hundred Forty-two Thousand, Four Hundred and Forty Dollars (\$142,440.00), as attached as Attachment 5, and hereby made a part of this Agreement. Actual costs will be based upon bids and final quantities.
 - III. The STATE agrees to provide asphalt concrete and portland cement concrete patch paving at various side streets and parking lot locations adjacent to the STATE PROJECT (PCN 00X9), for the CITY UTILITY PROJECT. The CITY agrees to pay the total cost for the pavement estimated at Sixty Eight Thousand, Two Hundred and Ten Dollars (\$68,210.00), as attached as Attachment 6, and hereby made a part of this Agreement. Actual costs will be based upon bids and final quantities.
 - IV. The STATE agrees to furnish and install new permanent street name signage. The CITY agrees to pay the actual costs to furnish and install the new signage estimated at Two Thousand Four Hundred Seventy Dollars (\$2,470.00), as attached as Attachment 7, and hereby made a part of this Agreement. Actual costs will be based upon bids and final quantities.
 - V. The STATE agrees to install underdeck lighting over the recreation path under the Rapid Creek Bridge. The CITY agrees to pay the actual costs to furnish and install the lighting and associated conduit, wiring and junction box. The estimated cost is Four Thousand, Six Hundred and Seventy Dollars \$4,670.00, as attached as Attachment 8, and hereby made a part of this Agreement. Actual costs will be based upon bids and final quantities.
 - VI. The STATE agrees to purchase five (5) additional Breakaway Base Luminaire Poles with arms, 50' mounting height and five (5) additional Roadway Luminaries, 400 watt with Photoelectric Cell. The CITY agrees to reimburse the actual costs to purchase the luminaire poles estimated at \$11,790.00. Actual costs will be based upon bids and final quantities.
- D. The STATE agrees to install Corten finished steel light and signal poles in lieu of galvanized steel light and signal poles. The CITY agrees to pay the actual costs above the cost of the STATE'S standard galvanized street light and signal pole installation estimated at One Hundred Seventy Three Thousand, One Hundred and Fifty Dollars \$173,150.00. This cost is based upon historical costs. The total estimated cost of the Corten finished light and signal poles is Two Hundred and Four Thousand, Six Hundred and Eighty Dollars \$204,680.00. The CITY'S estimated cost will be Thirty-one Thousand, Five Hundred and Twenty Dollars \$31,520.00, as attached as Attachment 8, and hereby made a part of this Agreement. Actual cost will be based upon bids and final quantities.

- E. The CITY agrees to design and construct storm water quality improvements as part of the CITY'S UTILITY PROJECT. These improvements will be constructed at the storm sewer outlets that are to be constructed as part of the STATE PROJECTS. The STATE and the CITY, each agree to pay Fifty Percent (50%) of the actual cost to construct these improvements. The estimated cost is Five Hundred, Eight-eight Thousand One Hundred and Thirty-eight Dollars \$588,138.00, as attached as Attachment 2, and hereby made a part of this Agreement. Actual costs will be based upon bids and final quantities.
- F. The CITY agrees to design and construct the additional roadway on the water treatment plant site to accommodate the south access roadway being converted to entrance only at the STATE'S request. This work will be a part of the CITY UTILITY PROJECT. The STATE agrees to reimburse the CITY, Eleven Thousand, Eight Hundred Twenty-three Dollars and Fifteen Cents (\$11,823.15), as attached as Attachment 3, and hereby made a part of this agreement. Actual costs will be based upon actual bids and plan quantities.
- G. The STATE will design, advertise, let to contract, award, and be the contracting party for the STATE PROJECTS. The CITY agrees to pay the STATE within Forty-five (45) days of receipt of bills from the STATE.
4. COMBINATION LETTING
- A. The STATE will let the CITY'S storm sewer, sanitary sewer and water project in combination with the STATE PROJECTS. The CITY'S storm sewer, sanitary sewer and water project is located on SD44, from Rapid Creek to Mountain View Road and designated as "CITY UTILITY PROJECT."
- B. The CITY will provide the STATE with all plans, specifications, contract provisions, and cost estimates for the CITY UTILITY PROJECT. Each bidder will be required to submit a bid covering the CITY UTILITY PROJECT and the STATE PROJECTS. Award of the contract will be to the one bidder based on the total combination bid for the two projects. The lowest responsible bid on the STATE PROJECTS will be the basis for determining State and Federal Funds participation.
- C. In the event the total low combination bid for the CITY UTILITY PROJECT and the STATE PROJECTS does not have, as part of that bid, the lowest bid on the STATE PROJECTS, the CITY will pay to the STATE the difference between that portion of the successful combination bid attributable to the STATE PROJECTS and the lowest bid on the STATE PROJECTS.
- D. The STATE will award the contracts for both the STATE PROJECTS and the CITY UTILITY PROJECT; however, the CITY will be the contracting party for CITY UTILITY PROJECT. The CITY will make all payments under the contract for the CITY UTILITY PROJECT directly to the contractor. The CITY'S estimated cost for the CITY UTILITY PROJECT is Six Million, One Hundred Twenty-five Thousand Dollars (\$6,125,000.00). Actual cost will be based upon bids and final quantities. The CITY will reimburse STATE for the actual cost of the CITY UTILITY PROJECT. The CITY agrees to pay the STATE within Forty-five (45) days of receipt of billings from the STATE.
- E. The CITY will provide all construction engineering for the CITY UTILITY PROJECT, including all construction supervision and inspection, physical testing, measuring in-place quantities, and documenting locations for as-built records, except as set forth in section 3.F., if applicable, for purposes of final acceptance by the STATE.
- F. The STATE agrees to conduct, for the top three feet (3) of CITY utility trenches, inspection of the trench backfill, conduct trench compaction testing, and conduct moisture and density testing, for the CITY PROJECT. The STATE will provide the CITY with a copy of all test reports for the CITY PROJECT. The STATE will provide the CITY with a copy of all test reports. The CITY will pay the STATE for the cost of testing and inspections. The STATE will bill the CITY for testing and

inspections based on the actual number of locations. Each moisture test will be charged at the rate of Twenty-five Dollars (\$25.00) and each density test will be charged at the rate of Seventy-five Dollars (\$75.00). The STATE will determine the number and location of the testing and inspections when final plans have been received by the Area Engineer. The CITY agrees to pay the STATE within Forty-five (45) days of receipt of billings from the STATE.

5. MAINTENANCE AND ENCROACHMENT

A separate agreement between the parties entitled "Maintenance and Encroachment Agreement" was signed by representatives of each party on June 1, 2010, and assigned agreement number 714097 by the STATE.

The encroachments as attached as Exhibit A, and hereby made a part of this agreement for STATE PROJECT NUMBER 1, will either be removed or permitted to remain by action of the South Dakota Department of Transportation.

6. SIGNALS

If a signal system is installed on any portion of the STATE PROJECT that is also within the CITY'S municipal boundaries, such signal system will be subject to the terms of a separate agreement between the parties entitled "Maintenance Agreement Between a Local Government Authority and the State of South Dakota for Traffic Signals on State Highway System." Signal Agreement was signed by representatives of each party on May 17, 2010, and assigned agreement number 613594 by the STATE.

7. INDEMNIFICATION

The CITY will indemnify the STATE, its officers, agents, and employees against any and all actions, suits, damages, liability, or other proceedings that arise as a result of the CITY'S performance under this Agreement. This section does not require the CITY to be responsible for or defend against claims or damages arising from errors or omissions of the STATE, its officers, agents, or employees.

8. AMENDMENT PROVISION

This Agreement may not be amended except in writing, which writing will be expressly identified as a part of this Agreement, and be signed by an authorized representative of each of the parties.

9. CERTIFICATION REGARDING LOBBYING

The CITY certifies, to the best of the CITY'S knowledge and belief, that: No Federal appropriated funds have been paid or will be paid, by or on behalf of the CITY, to any person for influencing or attempting to influence an officer or employee of any agency, a member of Congress, an officer or employee of Congress, or an employee of a member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of a Federal contract, grant, loan, or cooperative agreement. If any funds other than Federal appropriated funds have been paid or will be paid to any of the above mentioned parties, the CITY will complete and submit Standard Form LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

The CITY will require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients will certify and disclose accordingly. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31, U.S. Code. Any person who fails to file the required

certification will be subject to a civil penalty or not less than \$10,000 and not more than \$100,000 for each such failure.

- 10. The CITY has designated its Mayor as the CITY'S authorized representative and has empowered the Mayor with the authority to sign this Agreement on behalf of the CITY. A copy of the CITY'S Commission minutes or resolution authorizing the execution of this Agreement by the Mayor as the CITY'S authorized representative is attached hereto as Exhibit M.

The CITY, by signing this Agreement, evidences authority to enter into this Agreement through formal action of its governing body.

City of Rapid City, South Dakota

State of South Dakota
Department of Transportation

By: _____

By: _____

Its: Mayor

Its: Project Development Engineer

Date: _____

Date: _____

Attest:

Approved as to Form:

City Auditor/Clerk

Special Assistant Attorney General

(S E A L)

AGREEMENT BETWEEN THE POLITICAL SUBDIVISION AND THE STATE
FOR
HIGHWAY ENCROACHMENTS

EXHIBIT "A"

The following encroachments will either be removed or permitted to remain by action of the South Dakota Department of Transportation Commission for the period specified in this Exhibit:

1. Landscaping and fencing items

Permits will be issued by the Department of Transportation Area office allowing the following encroachments to remain. The replacement, upgrading or refurbishing for any reason including storm damage of encroaching fence or other landscaping obstacles must be relocated/installed out of the Right-of-way. During the Encroachment Survey, it has been determined these encroachments will not impair the highway or interfere with the free and safe flow of traffic.

Pic#	Station	Description	Encroaches
1	Sta. 79+70 Rt.	Chain link fence	Encroaches 10.5'
2	Sta. 91+10 Rt.	Chain link fence	Encroaches 2.3'
3	Sta 93+17 Rt	Chain Link Fence	Encroaches 1'
4	Sta 94+60 Rt	Chain Link Fence	Encroaches 0.5'
8	Sta. 112+05 Rt.	Chain link fence	Encroaches 1'
9	Sta. 112+90 Rt.	Wood fence	Encroaches 1'
10	Sta 114+25 Rt	Wood Fence	Encroaches 1.5'
10A	Sta 114+25 Rt	Chain Link Fence	Encroaches 1.5'
18	Sta. 115+90 Lt.	Fence	Encroaches 2.5'
20	Sta. 102+55 Lt.	Landscaping and Waterfall	Encroaches 13.5' and 4'

2. Smaller Signs, portable items

The following encroachments will be removed from the right-of-way prior to construction:

Pic#	Station	Description	Encroaches
12	Sta. 123+25 Rt.	Landscaping	Encroaches 4'
20	Sta 102+55 Lt	Office Space Rental Sign	Encroaches 13.5'
21	Sta 89+15 Lt	Jackson Park Disk Golf Sign	Encroaches 2'

3. Smaller signs on posts, parking areas

The following encroachments will be removed from the right-of-way prior to end of construction:

Pic#	Station	Description	Encroaches
5	Sta 105+36 Rt	Chain Link Fence	Encroaches 2'
6	Sta 106+16 Rt	Chain Link Fence	Encroaches 2.5'
7	Sta 111+20 Rt	Wood Fence	Encroaches 2'
11	Sta 115+50 Rt	Wood Fence	Encroaches 3'
13	Sta 129+80 Rt	Light Pole and Parking	Encroaches 1' and 3', respectively
16	Sta 135+05 Lt	Parking	Encroaches 12'

4. Large sign or other items on footings

The following encroachments are permitted to remain by action of the South Dakota Transportation Commission for a period of time which should not exceed 5 years after completion of the project as set

forth in paragraph IV.1.C.f. or sooner if they become functionally obsolete for any reason, including storm damage. This permission will be in the form of a permit agreement issued by the DOT Area Office with each property owner and will be recorded as an encumbrance on the property. During the Encroachment Survey, it has been determined these encroachments will not impair the highway or interfere with the free and safe flow of traffic.

Pic#	Station	Description	Encroaches
16	Sta 135+05 Lt	Jackson Plaza Sign	Encroaches 3'

7. Awnings and attached signs meeting criteria

Permits will be issued by the Department of Transportation Area office allowing the following encroachments to remain as per paragraph IV.1C.a. & IV.1.C.c. The replacement, upgrading or refurbishing for any reason including storm damage of these encroachments must be relocated/installed out of the Right-of-way or be at least 3' behind the curb and at least 8' above the curb. During the Encroachment Survey, it has been determined these encroachments will not impair the highway or interfere with the free and safe flow of traffic.

Pic#	Station	Description	Encroaches
14	Sta. 140+00 Rt.	Awning	Encroaches 2.5'
15	Sta. 140+70 Rt.	Awning	Encroaches 1.3'

Attachment 1

Storm Sewer w/City Upsizing						Storm Sewer w/out City Upsizing			
Bid Item	Description	Qty	Unit	Unit Price	Total Price	Qty	Unit	Unit Price	Total Price
450E0102	12" RCP Class 2, Furnish	10	Ft	\$25.00	\$250.00	10	Ft	\$25.00	\$250.00
450E0110	12" RCP, Install	10	Ft	\$20.00	\$200.00	10	Ft	\$20.00	\$200.00
450E0122	18" RCP Class 2, Furnish	2918	Ft	\$27.50	\$80,245.00	3400	Ft	\$27.50	\$93,500.00
450E0130	18" RCP, Install	2918	Ft	\$20.00	\$58,360.00	3400	Ft	\$20.00	\$68,000.00
450E0142	24" RCP Class 2, Furnish	418	Ft	\$30.00	\$12,540.00	1366	Ft	\$30.00	\$40,980.00
450E0150	24" RCP, Install	418	Ft	\$25.00	\$10,450.00	1366	Ft	\$25.00	\$34,150.00
450E0162	30" RCP Class 2, Furnish	442	Ft	\$45.00	\$19,890.00	1072	Ft	\$45.00	\$48,240.00
450E0170	30" RCP, Install	442	Ft	\$25.00	\$11,050.00	1072	Ft	\$25.00	\$26,800.00
450E0182	36" RCP Class 2, Furnish	764	Ft	\$55.00	\$42,020.00	514	Ft	\$55.00	\$28,270.00
450E0190	36" RCP, Install	764	Ft	\$30.00	\$22,920.00	514	Ft	\$30.00	\$15,420.00
450E0192	42" RCP Class 2, Furnish	250	Ft	\$80.00	\$20,000.00	478	Ft	\$80.00	\$38,240.00
450E0200	42" RCP, Install	250	Ft	\$40.00	\$10,000.00	478	Ft	\$40.00	\$19,120.00
450E0202	48" RCP Class 2, Furnish	944	Ft	\$95.00	\$89,680.00	70	Ft	\$95.00	\$6,650.00
450E0210	48" RCP, Install	944	Ft	\$45.00	\$42,480.00	70	Ft	\$45.00	\$3,150.00
450E0232	66" RCP Class 2, Furnish	1300	Ft	\$200.00	\$260,000.00	0	Ft	\$200.00	
450E0240	66" RCP, Install	1300	Ft	\$50.00	\$65,000.00	0	Ft	\$50.00	
450E0408	18" RCP Bend, Furnish	4	Each	\$500.00	\$2,000.00	4	Each	\$500.00	\$2,000.00
450E0409	18" RCP Bend, Install	4	Each	\$200.00	\$800.00	4	Each	\$200.00	\$800.00
450E0416	24" RCP Bend, Furnish	1	Each	\$700.00	\$700.00	1	Each	\$700.00	\$700.00
450E0417	24" RCP Bend, Install	1	Each	\$350.00	\$350.00	1	Each	\$350.00	\$350.00
450E0428	36" RCP Bend, Furnish	1	Each	\$1,200.00	\$1,200.00	0	Each	\$1,200.00	
450E0429	36" RCP Bend, Install	1	Each	\$400.00	\$400.00	0	Each	\$400.00	
450E0436	48" RCP Bend, Furnish	2	Each	\$1,750.00	\$3,500.00	0	Each	\$1,750.00	
450E0437	48" RCP Bend, Install	2	Each	\$500.00	\$1,000.00	0	Each	\$500.00	
450E0700	RCP Tee, Furnish	2	Each	\$2,000.00	\$4,000.00	2	Each	\$2,000.00	\$4,000.00
450E0701	RCP Tee, Install	2	Each	\$500.00	\$1,000.00	2	Each	\$500.00	\$1,000.00
450E3002	18" RCP Arch Class 2, Furnish	208	Ft	\$40.00	\$8,320.00	208	Ft	\$40.00	\$8,320.00
450E3010	18" RCP Arch, Install	208	Ft	\$30.00	\$6,240.00	208	Ft	\$30.00	\$6,240.00
450E3022	30" RCP Arch Class 2, Furnish	330	Ft	\$80.00	\$26,400.00	330	Ft	\$80.00	\$26,400.00
450E3030	30" RCP Arch, Install	330	Ft	\$40.00	\$13,200.00	330	Ft	\$40.00	\$13,200.00
450E3032	36" RCP Arch Class 2, Furnish	274	Ft	\$100.00	\$27,400.00	0	Ft	\$100.00	
450E3040	36" RCP Arch, Install	274	Ft	\$50.00	\$13,700.00	0	Ft	\$50.00	
450E3324	36" RCP Arch Bend, Furnish	1	Each	\$2,000.00	\$2,000.00	0	Each	\$2,000.00	
450E3325	36" RCP Arch Bend, Install	1	Each	\$500.00	\$500.00	0	Each	\$500.00	
450E4604	30" RCP Arch Sloped End, Furnish	6	Each	\$700.00	\$4,200.00	6	Each	\$700.00	\$4,200.00
450E4605	30" RCP Arch Sloped End, Install	6	Each	\$450.00	\$2,700.00	6	Each	\$450.00	\$2,700.00
450E4606	36" RCP Arch Sloped End, Furnish	1	Each	\$900.00	\$900.00	0	Each	\$900.00	
450E4607	36" RCP Arch Sloped End, Install	1	Each	\$500.00	\$500.00	0	Each	\$500.00	
460E0100	Class M6 Concrete	291	CuYd	\$540.00	\$157,140.00	278	CuYd	\$540.00	\$150,120.00
480E0100	Reinforcing Steel	52909	Lb	\$1.50	\$79,363.50	48610	Lb	\$1.50	\$72,915.00
670E1200	Type B Frame and Grate Assembly	38	Each	\$600.00	\$22,800.00	24	Each	\$600.00	\$14,400.00
670E5200	Special Frame and Grate Assembly	5	Each	\$1,000.00	\$5,000.00	5	Each	\$1,000.00	\$5,000.00
670E5340	4'x11' Precast Concrete type S Drop I	54	Each	\$2,000.00	\$108,000.00	54	Each	\$2,000.00	\$108,000.00
670E5342	4'x6' Precast Concrete type S Drop In	1	Each	\$1,000.00	\$1,000.00	1	Each	\$1,000.00	\$1,000.00
670E5400	Precast Ddrop Inlet Collar	43	Each	\$300.00	\$12,900.00	29	Each	\$300.00	\$8,700.00
671E6010	Type A10 Manhole Frame and Lid	5	Each	\$500.00	\$2,500.00	5	Each	\$500.00	\$2,500.00
Subtotal					\$1,254,798.50				
Contingency (10.0%)					\$125,479.85				
PE Amount (5.5%)					\$69,013.92				
CE Amount (3.5%)					\$43,917.95				
Total					\$1,493,210.00	\$1,018,060.00			
Difference					\$475,150.00				

Storm Sewer w/City Upsizing					
Bid Item	Description	Qty	Unit	Unit Price	Total Price
450E0102	90" RCP Class 2, Furnish	96	Ft	\$400.00	\$38,400.00
450E0110	90" RCP, Install	96	Ft	\$100.00	\$9,600.00
450E0464	90" RCP Bend, Furnish	1	Ea	\$2,500.00	\$2,500.00
450E0465	90" RCP Bend, Install	1	Ea	\$500.00	\$500.00
450E1200	RCP Increaser, Furnish	1	Ea	\$2,500.00	\$2,500.00
450E1201	RCP Increaser, Install	1	Ea	\$500.00	\$500.00
450E1600	RCP Energy Dissipater, Furnish	1	Set	\$3,750.00	\$3,750.00
450E1601	RCP Energy Dissipater, Install	1	Set	\$500.00	\$500.00
450E2064	90" RCP Flared End, Furnish	1	Ea	\$6,000.00	\$6,000.00
450E2065	90" RCP Flared End, Install	1	Ea	\$1,000.00	\$1,000.00
	Subtotal				\$65,250.00
	Contingency (10.0%)				\$6,525.00
	PE Amount (5.5%)				\$3,588.75
	CE Amount (3.5%)				\$2,283.75
	Total				\$77,650.00

Attachment 2

PRELIMINARY COST ESTIMATE

JACKSON BLVD UTILITIES

GRADING AND STORM WATER IMPROVEMENTS EXCLUDING JUNE CT.

SSW09-1509 / CIP 50345

BID ITEM NUMBER	ITEM	QUANTITY	UNIT	UNIT COST	EXTENDED COST
100E0100	Clearing	Lump Sum	LS	\$5,000.00	\$5,000.00
110E0300	Remove Concrete Curb and Gutter	60	Ft	\$2.00	\$120.00
110E1010	Remove Asphalt Concrete Pavement	1470.7	SqYd	\$3.00	\$4,412.10
110E1100	Remove Concrete Pavement	74.6	SqYd	\$6.00	\$447.60
110E1140	Remove Concrete Sidewalk	23.4	SqYd	\$5.00	\$117.00
110E5720	Salvage Drop Inlet Frame and Grate Assembly	2	Each	\$60.00	\$120.00
120E0010	Unclassified Excavation	5690	CuYd	\$10.00	\$56,900.00
120E2000	Undercutting	430	CuYd	\$6.00	\$2,580.00
230E0010	Placing Topsoil	2497	CuYd	\$10.00	\$24,970.00
250E0020	Incidental Work, Grading	Lump Sum	LS	\$10,000.00	\$10,000.00
260E1010	Base Course	733	Ton	\$19.00	\$13,927.00
320E1200	Asphalt Concrete Composite	451	Ton	\$110.00	\$49,610.00
410E0030	Structural Steel, Miscellaneous	Lump Sum	LS	\$1,000.00	\$1,000.00
420E0200	Structure Excavation, Box Culvert	44	CuYd	\$35.00	\$1,540.00
420E0400	Structure Excavation, Miscellaneous	37	CuYd	\$35.00	\$1,295.00
421E0200	Box Culvert Undercut	132	CuYd	\$55.00	\$7,260.00
421E1000	Footing Undercut	70	CuYd	\$60.00	\$4,200.00
450E0123	18" RCP Class 3, Furnish	54	Ft	\$31.64	\$1,708.56
450E0130	18" RCP, Install	54	Ft	\$17.21	\$929.34
450E0162	30" RCP Class 2, Furnish	104	Ft	\$41.89	\$4,356.56
450E0170	30" RCP, Install	104	Ft	\$20.82	\$2,165.28
450E0182	36" RCP Class 2, Furnish	66	Ft	\$54.71	\$3,610.86
450E0190	36" RCP, Install	66	Ft	\$28.95	\$1,910.70
450E2028	36" RCP Flared End, Furnish	2	Each	\$790.00	\$1,580.00
450E2029	36" RCP Flared End, Install	2	Each	\$250.00	\$500.00
450E2204	30" RCP Sloped End, Furnish	2	Each	\$625.00	\$1,250.00
450E2205	30" RCP Sloped End, Install	2	Each	\$205.00	\$410.00
450E3052	48" RCP Arch Class 2, Furnish	518	Ft	\$125.00	\$64,750.00
450E3060	48" RCP Arch, Install	518	Ft	\$45.00	\$23,310.00
450E3332	48" RCP Arch Bend, Furnish	6	Each	\$2,000.00	\$12,000.00
450E3333	48" RCP Arch Bend, Install	6	Each	\$650.00	\$3,900.00
451E0514	4" PVC Pipe	272	Ft	\$25.00	\$6,800.00
460E0100	Class A45 Concrete, Miscellaneous	63	CuYd	\$550.00	\$34,650.00
460E0120	Class A45 Concrete, Box Culvert	4	CuYd	\$700.00	\$2,800.00
462E0200	Controlled Density Fill	24	CuYd	\$100.00	\$2,400.00
480E0200	Epoxy Coated Reinforcing Steel	4593	Lb	\$1.20	\$5,511.60
560E2050	2-7'x3' Precast Concrete Box Culvert, Furnish	84	Ft	\$700.00	\$58,800.00
560E2051	2-7'x3' Precast Concrete Box Culvert, Install	84	Ft	\$150.00	\$12,600.00
560E3050	2-7'x3' Precast Concrete Box Culvert End Section, Furnish	1	Each	\$11,000.00	\$11,000.00
560E3051	2-7'x3' Precast Concrete Box Culvert End Section, Install	1	Each	\$2,000.00	\$2,000.00
650E0060	Type B66 Concrete Curb and Gutter	174	Ft	\$25.00	\$4,350.00
	6" Concrete Pan	54.3	SqYd	\$40.00	\$2,172.00
651E0040	4" Concrete Sidewalk	1394	SqFt	\$5.50	\$7,667.00
670E2015	3' x 4' Type C Drop Inlet	1	Each	\$3,200.00	\$3,200.00
670E2200	Type C Frame and Grate	1	Each	\$500.00	\$500.00

Attachment 2

670E7000	Reset Drop Inlet Frame and Grate Assembly	2	Each	\$250.00	\$500.00
700E0210	Class B Riprap	39	Ton	\$50.00	\$1,950.00
700E0310	Class C Riprap	140	Ton	\$60.00	\$8,400.00
720E1015	Bank and Channel Protection Gabion	133.5	CuYd	\$250.00	\$33,375.00
	Aluminum Grate	1	Each	\$1,100.00	\$1,100.00
733E0100	Sodding	251	SqYd	\$4.75	\$1,192.25
734E0400	Rock Check Dam	9	CuYd	\$70.00	\$630.00
831E0110	Type B Drainage Fabric	293	SqYd	\$3.00	\$879.00
900E1052	2" Extruded Polystyrene Insulation Board	122.7	SqYd	\$25.00	\$3,067.50
				Subtotal:	\$511,424.35
				15% Contingency	\$76,713.65
				Total:	\$588,138.00

Attachment 3

PRELIMINARY COST ESTIMATE

JACKSON BLVD UTILITIES

PLANT ROAD TURNAROUND IMPROVEMENTS BASED ON ONE-WAY TRAFFIC FROM JACKSON BLVD.

SSW09-1509 / CIP 50345

BID ITEM NUMBER	ITEM	QUANTITY	UNIT	UNIT COST	EXTENDED COST
110E1010	Remove Asphalt Concrete Pavement	6	SqYd	\$3.00	\$18.00
120E0010	Unclassified Excavation	80	CuYd	\$10.00	\$800.00
260E1010	Base Course	98.1	Ton	\$19.00	\$1,863.90
320E1200	Asphalt Concrete Composite	63	Ton	\$110.00	\$6,930.00
632E1320	2.0"x2.0" Perforated Tube Post	48	Ft	\$8.08	\$387.84
632E3203	Flat Aluminum Sign, Nonremovable Copy High Intensity	24.5	SqFt	\$11.48	\$281.26
				Subtotal:	\$10,281.00
				15% Contingency	\$1,542.15
				Total:	\$11,823.15

Attachment 4

Additional Pavement/Street Work at City Request					
Bid Item	Description	Qty	Unit	Unit Price	Total Price
Central Boulevard					
110E0300	Remove Concrete Curb and Gutter	148	Ft	\$2.50	\$370.00
110E1010	Remove Asphalt Concrete Pavement	357	SqYd	\$5.00	\$1,785.00
110E1110	Remove Concrete Approach Pavement	16	SqYd	\$5.00	\$80.00
110E1140	Remove Concrete Sidewalk	66	SqYd	\$5.00	\$330.00
260E2010	Gravel Cushion	103	Ton	\$18.00	\$1,854.00
320E1200	Asphalt Concrete Composite	8	Ton	\$125.00	\$1,000.00
380E0080	9.5" Nonreinforced PCC Pavement	315	SqYd	\$50.00	\$15,750.00
380E3520	6" RCC Approach Pavement	16	SqYd	\$55.00	\$880.00
380E6000	Dowel Bar	180	Each	\$7.50	\$1,350.00
650E1095	Type B69.5 Concrete Curb and Gutter	128	Ft	\$18.00	\$2,304.00
651E0040	4" Concrete Sidewalk	292	SqFt	\$4.00	\$1,168.00
651E0340	4" Exposed Aggregate Concrete Sidewalk	223	SqFt	\$7.50	\$1,672.50
	Subtotal				\$28,543.50
	Contingency (10.0%)				\$2,854.35
	PE Amount (5.5%)				\$1,569.89
	CE Amount (3.5%)				\$999.02
	Total				\$33,970.00
Extend End of Project (141+56 to 142+65 by 43.5')					
110E0300	Remove Concrete Curb and Gutter	98	Ft	\$2.50	\$245.00
110E1010	Remove Asphalt Concrete Pavement	39	SqYd	\$5.00	\$195.00
110E1100	Remove Concrete Pavement	527	SqYd	\$5.00	\$2,635.00
120E2000	Undercutting	176	CuYd	\$5.00	\$880.00
260E2010	Gravel Cushion	138	Ton	\$18.00	\$2,484.00
320E1200	Asphalt Concrete Composite	8	Ton	\$125.00	\$1,000.00
380E0080	9.5" Nonreinforced PCC Pavement	527	SqYd	\$50.00	\$26,350.00
380E6000	Dowel Bar	413	Each	\$7.50	\$3,097.50
650E1095	Type B69.5 Concrete Curb and Gutter	98	Ft	\$18.00	\$1,764.00
	Subtotal				\$38,650.50
	Contingency (10.0%)				\$3,865.05
	PE Amount (5.5%)				\$2,125.78
	CE Amount (3.5%)				\$1,352.77
	Total				\$45,990.00

Attachment 5

Sheridan Lake Road north of Jackson Boulevard (Sta 3+16.75 to 7+00.00)										
		Reconstruct Sheridan Lake Road PCC				Widen Sheridan Lake Rd Only				
Bid Item	Description	Qty	Unit	Unit Price	Total Price	Qty	Unit	Unit Price	Total Price	
110E0300	Remove Concrete Curb and Gutter	793	Ft	\$2.50	\$1,982.50	410	Ft	\$2.50	\$1,025.00	
110E1010	Remove Asphalt Concrete Pavement	1144	SqYd	\$5.00	\$5,720.00	33	SqYd	\$5.00	\$165.00	
110E1100	Remove Concrete Pavement	14	SqYd	\$5.00	\$70.00		SqYd	\$5.00		
120E2000	Undercutting	381	CuYd	\$5.00	\$1,905.00	163	CuYd	\$5.00	\$815.00	
260E2010	Gravel Cushion	518	Ton	\$18.00	\$9,324.00	164	Ton	\$18.00	\$2,952.00	
320E1200	Asphalt Concrete Composite	3	Ton	\$125.00	\$375.00	116	Ton	\$125.00	\$14,500.00	
380E0080	9.5" Nonreinforced PCC Pavement	1975	SqYd	\$50.00	\$98,750.00		SqYd	\$50.00		
380E6000	Dowel Bar	1159	Each	\$7.50	\$8,692.50		Each	\$7.50		
650E1095	Type B69.5 Concrete Curb and Gutter	790	Ft	\$18.00	\$14,220.00	408	Ft	\$18.00	\$7,344.00	
651E0040	4" Concrete Sidewalk	2008	SqFt	\$4.00	\$8,032.00	643	SqFt	\$4.00	\$2,572.00	
	Subtotal				\$149,071.00				\$29,373.00	
	Contingency (10.0%)				\$14,907.10				\$2,937.30	
	PE Amount (5.5%)				\$8,198.91				\$1,615.52	
	CE Amount (3.5%)				\$5,217.49				\$1,028.06	
	Total				\$177,390.00				\$34,950.00	
	Difference				\$142,440.00					

Rt side approaches and sidewalk is the same for both options and so is not included in costs

Attachment 6

Additional Pavement Patching for Utility Project					
Bid Item	Description	Qty	Unit	Unit Price	Total Price
<u>Empey Drive</u>					
260E2010	Gravel Cushion	15.8	Ton	\$18.00	\$284.40
320E1200	Asphalt Concrete Composite	7.9	Ton	\$125.00	\$987.50
	Subtotal				\$1,271.90
<u>Sheridan Lake Road (South)</u>					
260E2010	Gravel Cushion	34	Ton	\$18.00	\$612.00
380E0080	9.5" Nonreinforced PCC Pavement	130	SqYd	\$50.00	\$6,500.00
633E0010	Cold Applied Plastic Pavement Marking, 4"	40	Ft	\$3.00	\$120.00
633E5000	Grooving for Cold Applied Plastic Pavement Marking, 4"	40	Ft	\$1.00	\$40.00
650E1095	Type B69.5 Concrete Curb and Gutter	40	Ft	\$18.00	\$720.00
	Subtotal				\$7,992.00
<u>Tepee Street</u>					
260E2010	Gravel Cushion	26.3	Ton	\$18.00	\$473.40
320E1200	Asphalt Concrete Composite	13.2	Ton	\$125.00	\$1,650.00
650E1095	Type B66 Concrete Curb and Gutter	19	Ft	\$20.00	\$380.00
	Subtotal				\$2,503.40
<u>119+00 Rt</u>					
260E2010	Gravel Cushion	10.7	Ton	\$18.00	\$192.60
320E1200	Asphalt Concrete Composite	5.4	Ton	\$125.00	\$675.00
	Subtotal				\$867.60
<u>State Street</u>					
260E2010	Gravel Cushion	44.6	Ton	\$18.00	\$802.80
320E1200	Asphalt Concrete Composite	18.0	Ton	\$125.00	\$2,250.00
380E3520	8" RCC Approach Pavement	21	SqYd	\$65.00	\$1,365.00
650E1095	Type B66 Concrete Curb and Gutter	35	Ft	\$20.00	\$700.00
	Subtotal				\$5,117.80
<u>Mt. View Road (South)</u>					
260E2010	Gravel Cushion	13.3	Ton	\$18.00	\$239.40
320E1200	Asphalt Concrete Composite	6.7	Ton	\$125.00	\$837.50
	Subtotal				\$1,076.90
<u>122+00 Lt</u>					
260E2010	Gravel Cushion	5.5	Ton	\$18.00	\$99.00
320E1200	Asphalt Concrete Composite	2.7	Ton	\$125.00	\$337.50
	Subtotal				\$436.50
<u>122+75 Lt</u>					
260E2010	Gravel Cushion	4.1	Ton	\$18.00	\$73.80
320E1200	Asphalt Concrete Composite	2.0	Ton	\$125.00	\$250.00
	Subtotal				\$323.80

Attachment 6

<u>125+00 Lt</u>					
260E2010	Gravel Cushion	4.9	Ton	\$18.00	\$88.20
320E1200	Asphalt Concrete Composite	2.5	Ton	\$125.00	\$312.50
	Subtotal				\$400.70
<u>125+70 to 129+26 Rt</u>					
260E2010	Gravel Cushion	176.8	Ton	\$18.00	\$3,182.40
320E1200	Asphalt Concrete Composite	88.9	Ton	\$125.00	\$11,112.50
	Subtotal				\$14,294.90
<u>126+95 Lt</u>					
260E2010	Gravel Cushion	20.0	Ton	\$18.00	\$360.00
320E1200	Asphalt Concrete Composite	10.0	Ton	\$125.00	\$1,250.00
	Subtotal				\$1,610.00
<u>130+00 to 131+70 Rt</u>					
260E2010	Gravel Cushion	86.3	Ton	\$18.00	\$1,553.40
320E1200	Asphalt Concrete Composite	43.4	Ton	\$125.00	\$5,425.00
	Subtotal				\$6,978.40
<u>132+15 to 133+18 Rt</u>					
260E2010	Gravel Cushion	24.1	Ton	\$18.00	\$433.80
320E1200	Asphalt Concrete Composite	12.1	Ton	\$125.00	\$1,512.50
	Subtotal				\$1,946.30
<u>134+54 to 135+55 Rt</u>					
260E2010	Gravel Cushion	31.4	Ton	\$18.00	\$565.20
320E1200	Asphalt Concrete Composite	15.8	Ton	\$125.00	\$1,975.00
	Subtotal				\$2,540.20
<u>134+95 to 137+15 Rt</u>					
260E2010	Gravel Cushion	62.3	Ton	\$18.00	\$1,121.40
320E1200	Asphalt Concrete Composite	31.3	Ton	\$125.00	\$3,912.50
	Subtotal				\$5,033.90
<u>Clark Street</u>					
260E2010	Gravel Cushion	47.2	Ton	\$18.00	\$849.60
320E1200	Asphalt Concrete Composite	23.7	Ton	\$125.00	\$2,962.50
	Subtotal				\$3,812.10
<u>End of Project</u>					
260E2010	Gravel Cushion	6.5	Ton	\$18.00	\$117.00
380E0080	9.5" Nonreinforced PCC Pavement	20	SqYd	\$50.00	\$1,000.00
	Subtotal				\$1,117.00
	Subtotal all locations				\$57,323.40
	Contingency (10.0%)				\$5,732.34
	PE Amount (5.5%)				\$3,152.79
	CE Amount (3.5%)				\$2,006.32
	Total				\$68,210.00

Attachment 7

Install New Street Signs					
110E5020	Salvage Traffic Sign	34	Each	\$25.00	\$850.00
632E3203	Flat Aluminum Sign, Nonremovable Copy High Intensity	97.5	SqFt	\$15.00	\$1,462.50
	Contingency (10.0%)				\$85.00
	PE Amount (5.5%)				\$46.75
	CE Amount (3.5%)				\$29.75
	Total				\$2,470.00

Attachment 8

Bid Item	Description	Lighting/Signals w/Cortan Finish				Lighting/Signals w/Standard Finish				
		Qty	Unit	Unit Price	Total Price	Qty	Unit	Unit Price	Total Price	
635E0050	Breakaway Base Luminaire Pole with Arm, 50' Mounting Height	32	Each	\$2,500.00	\$80,000.00	32	Each	\$2,000.00	\$64,000.00	
635E2000	Pedestrian Signal Pole	1	Each	\$1,500.00	\$1,500.00	1	Each	\$1,000.00	\$1,000.00	
635E2030	Signal Pole with 30' Mast Arm	2	Each	\$7,700.00	\$15,400.00	2	Each	\$6,700.00	\$13,400.00	
635E2040	Signal Pole with 40' Mast Arm	2	Each	\$8,700.00	\$17,400.00	2	Each	\$7,700.00	\$15,400.00	
635E2055	Signal Pole with 55' Mast Arm	1	Each	\$11,500.00	\$11,500.00	1	Each	\$10,500.00	\$10,500.00	
635E2120	Signal Pole with 20' Mast Arm and Luminaire Arm	1	Each	\$7,300.00	\$7,300.00	1	Each	\$6,300.00	\$6,300.00	
635E2125	Signal Pole with 25' Mast Arm and Luminaire Arm	1	Each	\$7,400.00	\$7,400.00	1	Each	\$6,400.00	\$6,400.00	
635E2135	Signal Pole with 35' Mast Arm and Luminaire Arm	1	Each	\$9,000.00	\$9,000.00	1	Each	\$8,000.00	\$8,000.00	
635E2150	Signal Pole with 50' Mast Arm and Luminaire Arm	1	Each	\$11,000.00	\$11,000.00	1	Each	\$10,000.00	\$10,000.00	
635E2250	Signal Pole with 50' Mast Arm and Twin Luminaire Arm	1	Each	\$11,500.00	\$11,500.00	1	Each	\$10,500.00	\$10,500.00	
Subtotal					\$172,000.00					
Contingency (10.0%)					\$17,200.00					
PE Amount (5.5%)					\$9,460.00					
CE Amount (3.5%)					\$6,020.00					
Total					\$204,680.00					
Difference					\$31,530.00					
						\$145,500.00				
						\$14,550.00				
						\$8,002.50				
						\$5,092.50				

Rapid Creek Bridge Lighting					
635E3520	Under Bridge Deck Luminaire, 150 W:	2	Each	\$1,000.00	\$2,000.00
635E5360	Surface Mounted Junction Box	1	Each	\$800.00	\$800.00
635E8020	2" Rigid Galvanized Steel Conduit	80	Ft	\$11.00	\$880.00
635E9016	1/C #6 AWG Copper Wire	250	Ft	\$0.80	\$200.00
635E9020	1/C #10 AWG Copper Wire	90	Ft	\$0.50	\$45.00
Subtotal					\$3,925.00
Contingency (10.0%)					\$392.50
PE Amount (5.5%)					\$215.88
CE Amount (3.5%)					\$137.38
Total					\$4,670.00

City Pre-Purchase Street Lighting for Sheridan Lake Road					
635E6949	Furnish Roadway Luminaire, 400 Watt with Photoelectric Cell	5	Each	\$300.00	\$1,500.00
635E6999	Furnish Breakaway Base Luminaire Pole with Arm	5	Each	\$2,000.00	\$10,000.00
Contingency (10.0%)					\$150.00
PE Amount (5.5%)					\$82.50
CE Amount (3.5%)					\$52.50
Total					\$11,790.00