CC-16-127

Meeting Date: April 18, 2016 **Consent Docket Item:** 4-d

Report No.: CC-16-45

Department: Transportation

Subject: PW0F01 6th Avenue and Perkins Road Intersection Improvement Project ODOT 26369(04)

Budget Impact: The original agreement with LEIDOS Engineering LLC in the amount of $274,664.60 was approved on May 24, 2011. With five prior amendments totaling $193,807.78, the current contract amount is $468,472.38. Amendment No. 6 is for $89,850.07 including $49,297.08 to finalize construction documents, $14,751.92 to finalize the mitigation plan for Boomer Creek and $25,801.07 for construction support services over the expected construction period January to October 2017. The funding source for the professional services is the Transportation Fee Fund.

Prior Council Action or Part of an Approved Project: Yes

Related Items: http://files.stillwater.org/agendas/ccagendas/2015/082415_1563/CC-15-103_PW0F01_-_6th_Avenue_and_Perkins_Rd_Intersection.pdf

Alternatives: Approval of the amendment is necessary for the project to continue. If the amendment is not approved, the project will not be completed.

Recommendation: The Transportation Department recommends that the Council authorize staff to execute Amendment Number 6 to the 6th and Perkins project professional services agreement with Leidos Engineering LLC and authorize expenditures up to $89,850.07.

Prepared by: Sharla Benjamin Lovern, Interim Transportation Director

CITY OF **stillwater**

TO THE HONORABLE MAYOR AND COUNCIL

REPORT TO:
STILLWATER CITY COUNCIL No. CC-13-24

ISSUED BY THE CITY MANAGER - STILLWATER, OKLAHOMA

Date of Meeting: March 4, 2013

Subject: 6th Avenue and Perkins Road Intersection Improvement Project – Design Contract Amendment (Project PW0F01)

Purpose of Report: To obtain City Council authorization to approve scope of work changes to the project design contract and approval of project budget revisions.

Background: SAIC is currently under contract to prepare design plans for improvements to the intersection of 6th Avenue and Perkins Road. As part the project, SAIC will make changes to the current signal operations of the intersection to improve traffic flow.

Discussion: Amendment to the contract scope is requested due to the Oklahoma Department of Transportation including funding for future improvements to Perkins Road (McElroy to Lakeview) in the their current eight-year work program. This action along with the additional signal added by the ALDI development requires the need to update and optimize signal timing along the entire corridor (6th Avenue to Lakeview Road).

The amended project scope will include the addition of a traffic study for the corridor of Perkins Road from 6th Avenue to Lakeview Road. The traffic study will include:

1. Collection of traffic volume data for morning, midday, and afternoon/evening peak hours for through and turning movements at all ten (10) signalized intersections along the corridor.
2. Use current data to forecast traffic demand for twenty (20) year planning horizon.
3. Perform traffic analysis of existing signal timing and coordination and develop signal coordination, phasing and timing plans for all ten (10) signalized intersections. The traffic analysis will include assessment of current crash history, corridor travel time, intersection level of service, and assessment of current signal/controller hardware's ability to implement proposed changes.
4. As part of the traffic study, the consultant will also develop a conceptual plan and cost estimate of proposed widening of Perkins Road between Lakeview Road and McElroy Road.

Budget Impact: The negotiated not to exceed fee to perform these services is $66,800. The existing contract agreement is $300,931 with an authorized project budget of $301,000. Funding for the additional expenditures is available in the Transportation Fee Fund and no additional appropriation of funds is needed.

Recommendation: Staff recommends the Mayor and Council approve the changes to the scope of work, authorize design expenditures for the project up to $368,000, and authorize the City Manager to execute the amendment to agreement for PW0F01 – 6th and Perkins Road in the amount of $66,800.00.

Reviewed by Operations Director:	Jason M. Peek, Transportation Department Manager
Reviewed by Administrative Director:	John McClenny, External Services
Reviewed by City Attorney's Office:	John E. Dorman, City Attorney
Date of Preparation:	February 21, 2013

Submitted by:

Dan Galloway

Dan Galloway
City Manager

AMENDMENT LIST - Benham/SAIC/Leidos/Benham
Project PW0F01: 6th & Perkins Road Intersection Improvements
September 21, 2016
Sharla Lovern, Interim Transportation & Stormwater Services Department

Original Agreement – City of Stillwater and SAIC Energy

- Council Report Date - May 16, 2011 CC-11-48, CC-11-49
- Contract Title – Agreement for Professional Services
- Amount Approved by Council - **$274,664.60**

Amendment No. 1 – City of Stillwater and SAIC Energy

- Agreement – Executed March 20, 2012
- Contract Title –Additional Design and Relocation of City Owned Utilities
- Amount - **$8,962.92** (new total $283,627.52)

Amendment No. 2 – City of Stillwater and SAIC Energy

- Council Report Date – March 4, 2013 - CC-13-24
- Contract Title – Conceptual Design & Traffic Study for Perkins Rd, 6th St to Lakeview
- Amount Approved by Council - **$66,800.00** (prior A 1-2 $75,762.92; new total $350,427.52)

Amendment No. 3 – City of Stillwater and Leidos Engineering

- Agreement - Executed December 16, 2013
- Contract Title – Driveway Consolidation and Access Management
- Amount Approved by Council - **$14,944.47** (prior A 1-3 $90,707.39; new total $365,371.99)

Amendment No. 4 – City of Stillwater and Leidos Engineering

- Agreement - Executed January 5, 2015
- Contract Title – Landscaping & Irrigation Improvements
- Amount - **$20,293.41** (prior A1-4 $111,000.80; new total $385,665.40)

Amendment No. 5 – City of Stillwater and Leidos Engineering

- Council Report Date – August 24, 2014 CC-15-103
- Contract Title – Design Modification, Environmental Mitigation, Sec 404 Permit
- Amount Approved by Council - **$82,806.98** (prior A1-5 $193,807.78; new total $468,472.38)

Amendment No. 6 – City of Stillwater and Leidos Engineering

- Council Report Date – April 18, 2016 Cc-16-45
- Contract Title – Final Plan Changes, Environmental Mitigation Revision
- Amount Approved by Council - **$89,850.07** (prior A 1-6 $283,657.85; (new total $558,322.45)

Amendment No. 7 – City of Stillwater and Benham Design

- Executed by Benham September 9, 2016 (to Council October 17, 2016)
- Contract Title – Finalize Construction Documents for ODOT
- Amount Presented for Approval - $**24,603.80** (prior A 1-7 $308,261.65; new total $582,926.25)

The City of Stillwater OKLAHOMA

STILL PIONEERING

TO THE HONORABLE MAYOR AND COUNCIL

REPORT TO:
STILLWATER CITY COUNCIL No. CC-15-103

ISSUED BY THE CITY MANAGER - STILLWATER, OKLAHOMA

Date of Meeting: August 24, 2015

Subject: Project PW0F01 – 6th Avenue and Perkins Road Intersection Improvement Project Design Contract for Environmental Mitigation

Purpose of Report: To request City Council approval of design agreement for environmental mitigation with Leidos Engineering, LLC.

Background:

The 6th Avenue and Perkins Road Intersection improvements will include the addition of turn lanes to the intersection and replacement of the bridge and box culvert over Boomer Creek on 6th Avenue. The additional turn lanes are designed to provide capacity for expected thirty year growth in traffic demand.

The project is a joint project between the Oklahoma Department of Transportation (ODOT) and the City of Stillwater. The project agreement between ODOT and the City of Stillwater specifies the responsibilities of each party. The City of Stillwater is responsible for procuring design services, purchasing rights-of-way and relocating utilities. To date the City has expended $1,040,458 on design and right-of-way acquisition. ODOT will be responsible for bidding the project, paying for all roadway construction costs, and supervising construction. The estimated construction cost of the project is $6,500,000.

All right-of-way and easements have been acquired for the project and utilities are currently being relocated.

Discussion: During final review and permitting of the project construction, the City of Stillwater was advised that the stream impacts for the proposed design will require a separate plan to obtain United States Army Corps of Engineers (USACE) approval. The plan is necessary to satisfy permit conditions for impacts to waters of the U.S. This plan must be approved by the USACE before ODOT can advertise the project for bid.

Staff has evaluated alternatives to address the permit requirements and identified an environmental mitigation plan as the least costly option. The mitigation plan will be used to identify suitable sites near the project location that can undergo a riparian restoration. Riparian restoration includes planting of appropriate vegetation and trees to improve environmental conditions along the stream corridor. The candidate sites under consideration include City of Stillwater owned property along Boomer Creek immediately north of 6th Avenue and along Boomer Creek east of Perkins Road.

The design agreement includes services to identify a suitable site, hydraulic study and modeling to ensure no impacts to special flood hazard area elevations, develop a USACE compliant mitigation plan, and incorporate the mitigation plan into the construction plans. The cost of the agreement is $82,806.98

Budget Impact: Sufficient funds are available within the Transportation Fee Fund for the design expense. This item requires no new appropriation or budget amendment.

Recommendation: Staff recommends the Mayor and Council authorize the City manage to execute a design agreement with Leidos Engineering, LLC for cost not to exceed $82,806.98.

Prepared by: Jason M. Peek, Ph.D., P.E., Transportation Dept. Director
Reviewed by Administrative Director: John McClenny, Director of Operations
Reviewed by City Attorney's Office:
Date of Preparation:

Submitted by:

Dan Galloway
City Manager

CITY OF **stillwater**

TO THE HONORABLE MAYOR AND COUNCIL

REPORT TO:
STILLWATER CITY COUNCIL No. CC-11-49

ISSUED BY THE CITY MANAGER - STILLWATER, OKLAHOMA

Date of Meeting: May 16, 2011

Subject: 6th Avenue and Perkins Road Intersection Improvements

Purpose of Report: To obtain Council approval of a project agreement resolution and authorization for the Mayor to execute the Oklahoma Department of Transportation Project Agreement for the 6th Avenue and Perkins Road Intersection Improvement Project.

Background: On September 10, 2007, the City Council adopted a project resolution creating a project to improve the intersection of 6th Avenue and Perkins Road.

Discussion: The project will include addition of turn lanes to the intersection of 6th Avenue and Perkins Road and replacement of the bridge and box culvert over Boomer Creek on 6th Avenue. During peak hours, the turn lanes are insufficient to accommodate the traffic volume, causing significant traffic delay. The additional turn lanes will be designed to provide capacity for expected thirty year growth in traffic demand. In addition to the turn lanes, the bridge and box culvert structures have reached their useful service lives' and need to be replaced.

The project has been developed in coordination with the Oklahoma Department of Transportation. ODOT requires that the city adopt a Project Agreement Resolution authorizing execution of the project agreement. A Project Agreement Resolution is included as an attachment to this report.

The project agreement between ODOT and the City of Stillwater specifies the responsibilities of each party. The City of Stillwater is responsible for procuring design services, purchasing rights-of-way and relocating utilities. The design cost for this project is $274,664.60. The estimated cost for purchase of rights-of-way and easements is $450,000. A request for authorization to acquire rights-of-way will be made separately once the preliminary design is complete.

ODOT will be responsible for bidding the project, paying for all construction costs, and supervising construction. The estimated construction cost of the project is $5,761,000.

Budget Impact: The contract cost for the design services is $274,665. The 2010/2011Transportation Fee Fund budget includes $300,000 for design expenses providing contingency funds in the amount of 25,335. The 2010/2011 Transportation Fee Fund budget also includes $450,000 for right-of-way expenses. No additional budget authorizations are needed for this fiscal period.

Recommendation: Staff recommends that City Council approve the Project Agreement Resolution for Project PW0F01 - 6th Avenue and Perkins Road Intersection Improvements and authorize the Mayor to execute the ODOT project agreement.

Prepared by:	Jason M. Peek, Engineering Manager
Reviewed by Operations Director:	Ralph Kinder, P.E., Transportation Department Operations
Reviewed by Administrative Director:	John McClenny, External Services
Reviewed by City Attorney's Office:	John E. Dorman, City Attorney
Date of Preparation:	April 27, 2011

Submitted by:

Dan Galloway

Dan Galloway
City Manager

Attachments: Project Resolution & Project Agreement
Related Reports: CC-07-208