

AMENDMENT NO. 3

TO

CONTRACT FOR PROFESSIONAL ARCHITECTURAL AND ENGINEERING SERVICES

CITY OF BILLINGS WORK ORDER 16-05,

Central Avenue (Shiloh Road to 32nd Street West) Road Improvements

THIS AGREEMENT, made and entered into on _____, 2016, by and between the following:

CITY OF BILLINGS, a Municipal Corporation,
Billings, Montana 59103,
Hereinafter designated the City

and

DOWL
222 North 32nd Street, Suite 700
Billings, Montana 59101
Hereinafter designated the Contractor

WITNESSETH:

WHEREAS, the City and Contractor have entered into a contract dated December 21st, 2015, for Contractor to provide professional services to the City for Work Order 16-05, and;

WHEREAS, the City has need for additional professional services, and;

WHEREAS, the Contractor represents that he is qualified to perform such services, is in compliance with Montana Statutes relating to the registration of professional engineers and is willing to furnish such services to the City;

NOW, THEREFORE, in consideration of the terms, conditions, covenants and performance contained herein, or attached and incorporated herein, the Parties hereto agree as follows:

Add the following to Appendix A, Section 3, Task 110 – Right-of-Way, Utilities, and Mapping:

1. Collect supplemental topographic mapping to support design elements at and between 36th St. W. and 38th St. W.
2. Collect supplemental hydraulics-related survey of drainage system in the vicinity of City College, including survey of the pond, spot elevations, pipes, inlets, and swales.
3. Collect supplemental utility survey of sanitary sewer manhole to support utility design.

Add the following to Appendix A, Section 3, Task 130 – Preliminary Traffic:

1. Add supplementary information to the preliminary traffic report that includes intersection alternative analysis for the 36th Street and 38th Street intersections. The additional analysis includes evaluating the LOS for each intersection based on 4% growth as determined by the West End Traffic Modeling project in addition to the 2% growth rate identified in the Billings LRTP.
2. Perform an iterative analysis that determines the year in which the various intersection control types (two-way stop, roundabout control, and signal control) change from C to D in each growth rate scenario.

Add the following to Appendix A, Section 3, Task 140 – Preliminary Utility Design:

1. Perform all original preliminary design activities for an additional 270 LF of sanitary sewer main along 38th Street West and Central Avenue.

Add the following to Appendix A, Section 3, Task 150 – Preliminary Hydraulics:

1. Analyze additional alternatives for stormwater management along Central Avenue. The additional alternatives include utilizing detention storage northwest of 36th Street West and south of 34th Street West, utilizing underground storage and swale storage, and constructing relief storm drain systems down 32nd Street West or 33rd Street West.
2. Expand the existing conditions storm drain model to include the existing detention pond northwest of 36th Street west (Career Center Pond) and its contributing area. DOWL will add the modifications to the model for the future conditions alternatives and for reporting purposes.
3. Conduct a field review of the pond area to understand the contributing area.
4. Deliver a summary of results to the City for all alternatives and update hydraulics report to reflect the proposed stormwater management alternatives.

Add the following to Appendix A, Section 3, Task 230 – Final Traffic:

1. Prepare traffic signal plans for the pedestrian HAWK signals at the 36th Street and 38th Street roundabouts. The plans will include:
 - a. Traffic Signal Plan sheet to include a plan view layout of the intersection, conduit and wire schedule, traffic signal and pole schedule, signal and pedestrian indication table, conduit run designation table, and general notes.
 - b. Utility Plan sheet that depicts the assumed location of existing utilities and the proposed location of new utilities relative to the proposed location of the traffic signal equipment.
 - c. Standard detail sheets in accordance with standard City of Billings and MDT traffic signal details.

Add the following to Appendix A, Section 3, Task 240 – Final Utility Design:

1. Perform all original final design activities for an additional 270 LF of sanitary sewer main along 38th Street West and Central Avenue.

Add the following to Appendix A, Section 3, Task 250 – Final Hydraulics:

1. Perform all original final design activities for the following hydraulic additions:
 - a. Detention Pond grading at the Career Center Pond
 - b. Detention Pond outlet Structure
 - c. Underground Storage (most likely a 60" perforated pipe)
 - d. Mechanical treatment manhole for treating sediment loads prior to entering the underground storage system (up to two (2) manholes)

Add the following to Appendix A, Section 3, Task 260 – Pre-Final Design & Review:

1. Add three (3) MET bus pullouts to the project. Two will be located on both sides of Central Avenue near City College and the other will be located just east on the north side of the Central Avenue, east of the 32nd Street West intersection.

Add the following to Appendix A, Section 3, Task 360 – Final Design Package:

1. Perform all original final design activities for the additional traffic, utility, and hydraulic scope items.

Add the following to Appendix A, Section 3, Task 500 – Record Drawings & Project Completion:

1. Perform all original final activities for the additional traffic, utility, and hydraulic scope items.

This amendment increases the total contract by \$47,460.00. Modify Appendix B, Section 1, Item A.1. to the following:

Design Services	\$398,770.00
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Materials and other direct expenses are included in the above phase and total fee amounts.

