

RESOLUTION NO.

12-09

TITLE: A RESOLUTION APPROVING THE FIRST ADDENDUM TO THE PROFESSIONAL SERVICES AGREEMENT WITH KETTERLING, BUTHERUS & NORTON ENGINEERS, LLC, FOR TOWN ENGINEER SERVICES

NOW THEREFORE BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE TOWN OF HUDSON, COLORADO, AS FOLLOWS:

Section 1. The First Addendum to the Professional Services Agreement for Town Engineer Services between Ketterling, Butherus & Norton Engineers, LLC, and the Town of Hudson, Colorado, is made and entered into on this 1st day of February, 2012, is hereby approved and the Mayor is authorized to execute the same on behalf of the Town.


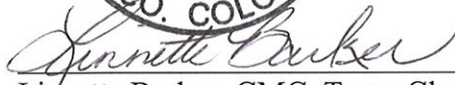
INTRODUCED, READ and PASSED this 1st day of February, 2012.

TOWN OF HUDSON, COLORADO



Neal Pontius, Mayor

ATTEST:

Linnette Barker, CMC, Town Clerk

ADDENDUM NUMBER 1 TO AGREEMENT FOR PROFESSIONAL SERVICES

THIS ADDENDUM TO AGREEMENT FOR PROFESSIONAL SERVICES is made and entered into this 1st day of February, 2012, by and between the TOWN OF HUDSON, State of Colorado, (hereinafter referred to as the "Town") and KETTERLING, BUTHERUS & NORTON, LLC, (hereinafter referred to as "Engineer").

RECITALS:

A. On February 1, 2012, the Town and Engineer entered into an Agreement for Professional Services for civil engineering services (the "Agreement").

B. The parties desire to amend and supplement the Agreement with this Addendum to allow for a scope of services for design services to provide engineering services related to the completion of design and construction of the I-76 Frontage Road Realignment Project, such services described in **Exhibit A**, attached hereto and incorporated herein by this reference.

C. Compensation to Engineer for the services described in Exhibit A shall be in accordance with the Agreement.

AGREEMENT

NOW, THEREFORE, it is hereby agreed that for the consideration hereinafter set forth, that Engineer shall provide to the Town, professional engineering services as needed in the manner provided in the Addendum.

1. The Scope of Services in the Agreement is supplemented to include the Scope of Services attached hereto as **Exhibit A**, and incorporated herein by this reference.

2. Subparagraph A. of Article IV entitled "Compensation" is hereby amended and supplemented to provide as follows:

A. Compensation for the Scope of Services attached hereto as **Exhibit A** shall not exceed \$56,762.00 without the written approval of the Town.

3. Except as modified herein, the original Agreement is in full force and effect and is hereby ratified by the Town and the Engineer.

IN WITNESS WHEREOF, the parties hereto each herewith subscribe to the same in duplicate.



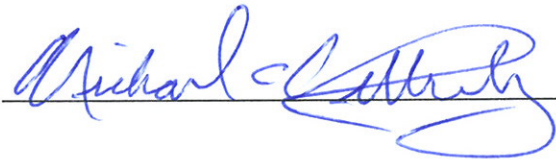
TOWN OF HUDSON, COLORADO

By: 
Neal Pontius, Mayor

ATTEST:


Linnette Barker, Town Clerk

ENGINEER

By: 

ATTEST:


Office Manager - 2-2-2012
Title Date

EXHIBIT A
PROFESSIONAL SERVICES AGREEMENT - ADDENDUM No. 1
I-76 FRONTAGE ROAD REALIGNMENT PROJECT

PRELIMINARY DESIGN

Project Start-up/ Compiling Data from the Town of Hudson

- Review existing base map, geotechnical report, traffic counts, ownership mapping, legal descriptions, R.O.W. plans (all existing data & preliminary design to be provided in AutoCad format)
- Project site walk-through
- Attend meeting with the Town to outline project objectives & schedule

Preliminary Base Drawing

- Coordinate creation of KBN base drawing
- Sheet set-up and layout

Preliminary Roadway Design - Review previous project design of horizontal alignment & vertical profile

- Review intersection layouts
- Identify conflicts with existing improvements & demolition requirements
- Prepare roadway centerline plan/profile drawings
- Check critical roadway cross sections
- Design Love's Truck Stop access driveways
- Design Highway 52 widening improvements at new intersection

Preliminary Utility Design

- Identify irrigation canal/culvert pipe & dry utilities to be relocated, if necessary

Preliminary Drainage, Grading & Erosion Control

- Delineate drainage basins (with best available information) and perform hydrologic and hydraulic analysis
- Size culverts and erosion control
- Prepare Preliminary Drainage Report

Preliminary Signing and Striping

- Prepare preliminary signing and striping drawings

Coordination Meeting

- Attend meeting with the Town, County and CDOT to review design issues

Preliminary Construction Cost Estimate

- Prepare summary of approximate quantities schedule
- Prepare engineering estimate of construction costs based on preliminary design

FINAL DESIGN (*revise preliminary design based on team review comments*)

Final Roadway Design

- Finalize typical cross sections
- Prepare roadway centerline plan/profile & demolition drawings, intersection and access driveway designs
- Prepare plan of improvements to State Highway 52 & construction specifications

Final Utility Design

- Identify other utilities to be relocated, if necessary
- Existing irrigation canal culvert plan and profile

Final Drainage, Grading & Erosion Control

- Final hydrological and hydraulic analysis
- Size culverts and roadside swales
- Prepare Final culvert plan and profiles
- Prepare grading and soil erosion control drawings (SWMP)
- Update Final Drainage Report

Coordination Meeting

- Attend meeting with the Town, County and CDOT to communicate project progress

Final Construction Cost Estimate

- Prepare summary of approximate quantities schedule
- Prepare engineering estimate of construction costs based on final design

Questions and Bid Assistance

- Prepare advertisement for Bid
- Answer questions from Contractors on construction documents
- Attend Bid Opening and prepare bid summary for Town recommendation

Preliminary Design Budget

Project Manager: 28 hours at \$104 per hour =	\$ 2,912
Project Engineer: 50 hours at \$ 92 per hour =	\$ 4,600
Design Engineer: 96 hours at \$ 82 per hour =	\$ 7,872
Cad Designer: 64 hours at \$ 70 per hour =	\$ 4,480
Admin. Assistant: 4 hours at \$ 43 per hour =	\$ 172
mileage and misc. expenses (printing billed at cost)	\$ 150
Subtotal Preliminary Design:	\$20,186

Final Design Budget

Project Manager: 24 hours at \$104 per hour =	\$ 2,496
Project Engineer: 48 hours at \$ 92 per hour =	\$ 4,416
Design Engineer: 98 hours at \$ 82 per hour =	\$ 8,036
Cad Designer: 38 hours at \$ 70 per hour =	\$ 2,660
Admin. Assistant: 6 hours at \$ 43 per hour =	\$ 258
mileage and misc. expenses (printing billed at cost)	\$ 250
Subtotal Final Design:	\$18,116

After review of the existing topo available for this project, it will be necessary to pick up additional topographic data on State Highway 52 and the two entrances to Love' Truck Stop:	\$2,472
Geotechnical investigation to determine pavement sections (see attached Terracon e-mail):	\$8,500
Construction administration/observation services estimate:	\$7,488

- S.H. 52: 4 hrs./day x 3 days per week x 2 weeks
- Frontage road re-alignment: 4 hrs./day x 3 days per week x 3 weeks
- Hickory Re-alignment: 4 hrs./per day x 4 days
- Love's access drives: 4 hrs./per day x 4 days

Total Estimated Civil Budget: \$38,302 + \$2,472 + \$8,500 + \$7,488 = \$ 56,762