

**Subject:** Approval of Resolution 18-73, approving a contract with Lamp Rynearson, in the amount of \$50,000.00 for the Forest Avenue roadway design.

**Presenter:** Jon Rabas, Public Works Manager

**Background:** This design will include a 34' pavement section from Second Street to the water tower, 5' & 8' sidewalk, and curb & gutter on the west and north sides of Forest Avenue. Existing storm drainage pipes will be upgraded to concrete-reinforced pipe. The dead-end water line in Forest Avenue will be connected to Second Street. This design includes surveying, engineering, and the creation of bid documents and final CD's.

**RESOLUTION NO. 18-73**

**A RESOLUTION APPROVING A CONTRACT WITH LAMP RYNEARSON, IN THE AMOUNT OF \$50,000.00 FOR FOREST AVENUE ROADWAY DESIGN.**

**BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF DACONO, COLORADO:**

**Section 1.** The proposal by and between the City of Dacono and Lamp Rynearson, for Forest Avenue roadway design is hereby approved in essentially the same form as the copy of such proposal accompanying this resolution. The City Council hereby authorizes the expenditure of the funds as necessary to meet the terms and obligations of the proposal.

**Section 2.** The Mayor is hereby authorized to sign the proposal and is further authorized to negotiate and approve on behalf of the City such revisions to the proposal as the Mayor determines are necessary or desirable for the protection of the City, so long as the essential terms and conditions of the proposal are not altered.

**INTRODUCED, READ, and ADOPTED** this 24<sup>th</sup> day of September, 2018.

CITY OF DACONO, COLORADO

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Joe Baker, Mayor

ATTEST:

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Valerie Taylor, City Clerk



## LAMP RYNEARSON

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September 18, 2018

**Jon Rabas**  
**City of Dacono**  
125 S. Forest Avenue  
PO Box. 186  
Dacono, CO 80514

### **Proposal for Professional Engineering and Survey Services for Forest Avenue**


**Jon:**

Lamp Rynearson & Associates, Inc. is excited to assist the City of Dacono with Civil Engineering and Surveying services for the Forest Avenue roadway and drainage improvements. This proposal is based on our review of a proposal package forwarded by Jon Rabas, in addition to various meetings with City personnel to clarify the scope and extent of the project.

Attached is a detailed Scope of Services and cost breakdown for the engineering services as requested. Please review the enclosed scope and fees and feel free to contact us with any questions or concerns.

Sincerely,  
**Lamp, Rynearson & Associates, Inc.**

Agreed & accepted by:  
**City of Dacono**

  
\_\_\_\_\_  
Gary A. Odehnal, PE  
Senior Project Manager

  
\_\_\_\_\_  
Peter J. Carlson PE  
Fort Collins Office Leader

\_\_\_\_\_  
Joe Baker  
Mayor

# Forest Street Survey and Engineering Design Services

## SCOPE OF SERVICES

### Phase 1: Pre-Design: Field Survey, Environmental

**Task 1 - Meetings, analysis and programming:** Lamp Rynearson & Assoc., Inc. (LRA) will research, investigate and review existing documents, studies and reports relevant to the project. In addition, LRA will review base information from Weld County and the City before commencement of field or design work. LRA will meet with City staff to identify background information and incorporate staff suggestions, recommendations and other requirements.

**Task 2 - Field Survey – Roads and Utilities:** LRA will perform a detailed field survey of all existing topography, road and drainage / utility infrastructure improvements within the project area. Survey data will be collected for existing surface improvements, including drives and garage entrances. Sub surface locations for water and sewer will be by locates, along with small wire utilities per the one call utility locate system (City will order locates). This effort will include surveying the following features:

- Section corners and Property Corners along Forest
- Existing surface contours at a 1' interval, existing pavement, irrigation structures, driveways, access roads
- Existing water, sewer and storm drainage improvements in the ROW
- Right of Way (ROW) issues / visible encroachments
- Horizontal & Vertical alignment (inside ROW)

Phase 1: Pre Design: Field Survey \_\_\_\_\_ \$8,000

### Phase 2: Preliminary Design and Drainage Evaluation

**Task 1 - Preliminary Horizontal / Ultimate Design:** Based upon a complete field survey, LRA will prepare a preliminary horizontal control plan for the full buildout of the roadway corridor. The plan will detail overall roadway (pavement, curb & gutter, sidewalk) for the Collector Street sections. Design will include a parking lot for the West side of the Park.

**Task 2 - Preliminary Roadway Design:** LRA will develop the preliminary design drawings of the full 1900 lf of existing road. The design will focus on future local street alignment with sidewalk / bikeway combination on one side of the roadway in order to provide pedestrian access to the Park and Fairgrounds. We will focus our efforts on how the sidewalk / bike path will enhance access to the BMX track, public park and Fairgrounds.

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**Task 3 - Preliminary Storm Water and Water Main Design:** LRA will develop the storm water system to collect flows from the contributing basins and collection points along Forest Street. LRA will evaluate the street and adjacent basins draining into the area. We will develop a drainage plan along with inlets and other conveyance elements to solve localized drainage issues. LRA will show the water main connection from the Fire Department access, south to the intersection at 2<sup>nd</sup> Street. We will also provide a preliminary cost analysis.

**Task 4 - Meeting Attendance and Revisions:** LRA will attend up to three (3) team meetings with City staff to identify background information and incorporate staff suggestions, recommendations and other requirements. In addition, we will coordinate a field walk thru with the Public Works Director, once the preliminary design is complete. This will help define the final design alignments, drainage issues and final alignment with adjacent drives, entrances and access points.

**Phase 2: Preliminary Design** \_\_\_\_\_ **\$22,000**

### **Phase 3: Final Design and Construction Documents**

**Task 1 - Final Roadway Design:** Based on City review comments, and additional development, LRA will develop the Final design construction documents of the full 1900 lf of new street and ROW design. Final design will focus on the development of an urban local street section with 34' of pavement and a 60' ROW. In addition, our design will focus on future integration of drainage structures, driveways, access points for ultimate design.

**Task 2 - Site Demolition Plan:** Based upon the site condition survey, LRA will prepare a detailed site demolition plan. The plan will detail surface (paving, irrigation, driveways, trees, shrubs, fence lines, power poles) and sub-surface (water, sewer, storm) removals.

**Task 3 - Roadway Signage and Striping plan:** LRA will develop a final signage and striping plan that will conform to current MUTCD standards. The plan will integrate intersecting roadways, drives and access roads for 100' in all directions of the project centerline.

**Task 4 - Final Drainage Design:** LRA will develop the final design level construction documents for the selected drainage solutions, as determined in the preliminary design phase. Special attention will be paid to clearing the existing oil and gas, water and sewer utilities near the intersection, along with storm drainage improvements. In addition, LRA will develop final drainage solutions for the urban street section. This will include roadside drainage ditches, culvert crossings and incorporation of these improvements into the ultimate street sections and ROW.

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**Task 5 - Meeting Attendance and Revisions:** LRA will attend up to three (3) team meetings with City staff to identify background information and incorporate staff suggestions, recommendations and other requirements.

**Phase 3: Final Design and Construction Documents** \_\_\_\_\_ **\$20,000**

### **COST SUMMARY**

**Phase 1: Field Survey, Environmental** \_\_\_\_\_ **\$8,000**

**Phase 2: Preliminary Design** \_\_\_\_\_ **\$22,000**

**Phase 3: Final Design and Construction Documents** \_\_\_\_\_ **\$20,000**

**Total Cost: \$ 50,000**

### **CONDITIONS, ASSUMPTIONS, AND EXCLUSIONS**

The following conditions, assumptions, and exclusions are an integral part of this proposal:

- 1) This proposal is subject to all the provisions and agreements as detailed in the Engineering Service Agreement dated 1/8/2018.
- 2) The City will provide a current and updated studies, reports and any topographic base information available (County topo. data), as available.
- 3) LRA will survey the roadway and collect topographic and utility data. Property corners will be recovered, where possible, but this is not to be considered a complete boundary survey of the subject street right of way.
- 4) No traffic impact analysis, geotechnical services or pavement design analysis have been included in our fees.
- 5) No environmental assessment (hazardous waste) services are included.
- 6) No utility identification, location or potholing are included in this scope. Should this item become critical during the course of the design, we will inform City of Dacono personnel and evaluate this item on an as-needed basis.
- 7) Site planning, architecture, landscape architecture, mechanical engineering, structural engineering, electrical engineering, and other related trades not specifically mentioned in this proposal are excluded from this proposal and not a part of our services.

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- 8) The consultant will be utilizing all available City and County information available for this project. We assume that the City will support the consultant for any data required, either in the form of archived reports or studies or request for information from Weld County, as required.
- 9) If conditions materially change during the course of this project, we reserve the right to re-negotiate this contract to reflect the changed conditions.
- 10) LRA will have full access to the property to conduct the survey.
- 11) Updating monument records or upgrading section corner monuments is not anticipated in this scope and is not included.

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