



CHANGE ORDER FORM

Project Information

Change Order #:	7	Date:	March 15, 2023
Project Name:	O St. and 59th Ave Intersection Improvements Design		
Bid Number:	FD20-05-092	Dept/Division:	Public Works / Engineering
Original Budget Unit #:	3120006006287053	PO #:	20001188/(20201316)
New Oracle Charge Number:	334-4101-10505	Project Number:	12591
		Oracle PO:	P20230020
Oracle Expenditure Type:	8229 - Professional Services	Expenditure Organization:	Public Works
Project Manager:	Dave Wells	Title:	Project Manager

Contractor/Consultant Information

Contractor/Consultant:	JR ENGINEERING. LLC/Daren Sterling	Phone /Extension:	[REDACTED]
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The CONTRACTOR/CONSULTANT is hereby directed to perform the WORK described in the CONTRACT for design/construction as amended by this CHANGE ORDER.

See attached **8** sheets with full explanation for the change order.

Compensation to Contractor/Consultant

The original contract sum was:	\$311,316.00
The net change by previous change order was:	\$52,980.90
The contract sum prior to this change order was:	\$364,296.90
The contract sum will be: (See List) Increased	\$311,211.00
The new contract sum, including this change order is:	\$675,507.90
The contract time will be: (See List) Increased	365
The new date for project completion is: (Date Adjusted for Re-Design)	March 1, 2024

This CHANGE ORDER is intended to, and the OWNER agrees that it shall, fairly and adequately compensate the CONTRACTOR/CONSULTANT for the extra direct costs (time and materials, etc.) as well as all expenses and damages which may result from any delays, suspensions, stretch-outs, scheduling, inefficiencies and accelerations in the WORK associated with this CHANGE ORDER, and the CONTRACTOR/CONSULTANT releases the OWNER from any claims for such expenses and damages.

This CHANGE ORDER is intended to, and the CONTRACTOR/CONSULTANT agrees that it does, provide the CONTRACTOR/CONSULTANT a reasonable and adequate period of time in which to complete the WORK in accordance with the CONTRACT for establishment of policies, as amended by this CHANGE ORDER, and the CONTRACTOR/CONSULTANT releases the OWNER from any claims for additional time to perform the WORK associated with this CHANGE ORDER.

The Contract Documents may be executed in two or more counterparts, each of which shall be deemed an original but all of which together shall constitute one and the same document. The Contract Documents, including all component parts set forth above, may be executed and delivered by electronic signature by any of the parties and all parties consent to the use of electronic signatures.

Signatures for Council (Council minutes need to be attached)

IN WITNESS WHEREOF, the parties have caused this instrument to be executed in two (2) original counterparts as of the day and year first above written.

Approved as to Substance	Reviewed as to Legal Form
City Manager	City Attorney
Certification of Contract Funds Availability	Departmental Certification
Director of Finance	Department Director
Purchasing Official	Project Manager

Certification of Content by Contractor/Consultant

Representative of Contractor/Consultant	Title
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Additional Approval:

Budget Supervisor CPC Finance

Cumulative change orders totalling \$364,192 for a total of 117.0%.

CHANGE ORDER FORM



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Change Order #:	7
Project Name:	O St. and 59th Ave Intersection Improvements Design
Date:	3/15/2023
Project Manager:	Dave Wells

Change Order Justification

Why was this not in original contract?	The intersection will be re-designed based on value and safety engineering recommendations from City of Greeley staff.
Budget Impact/Funding	This change order will increase the contract amount by \$311,211 and charged to Project #12591.
Impact to project schedule	This change order will increase the project schedule by 1 year. The project has been on hold for several months.
Detailed Explanation Of Change Order	We removed all QL-B SUE work and railroad crossing design. We included fees to update the ROW plans, revise three legal descriptions, and staking of ROW points/lines. It is assumed three review submittals will occur (no 75% set). We added in time to get the project from FOR to Bid, which was not included in the previous versions. We included tasks for QA Inspections RFP prep/update, constructability reviews, and construction schedule preparation based on previous City requests to add this work. The subconsultant fees for the street lighting and landscaping are shown as single line items under the miscellaneous tasks. Minimal updates are being assumed for this fee. No additional traffic analysis is required. No additional railroad work will be required. The speed criteria may preclude passing large vehicles and farm equipment through the roundabout. We will model vehicle passage and discuss the results with the City and get additional direction.



March 3, 2023

Dave Wells, PE
Project Manager
City of Greeley Public Works
1001 9th Avenue
Greeley, CO 80631

Re: O Street and 59th Avenue Intersection Improvements – Change Order Request No. 7
Additional Services #7 – Final Design Plans and Estimate for Reduced Speed Roundabout

Dear Mr. Wells:

Thank you for the opportunity for JR to provide this change order request for Final Design Plans and Estimate for a Reduced Speed Roundabout at the intersection of O Street and 59th Avenue. The intent is to revise the roundabout design to a multi-lane roundabout (striped as a single-lane roundabout initially) with a combined entry and pass-through speed range of 20-25 miles per hour.

This work will involve redesigning the roundabout geometry while utilizing as much of the previous design as possible. The work will include the following:

- 1) Major revisions to the horizontal and vertical layouts to revise the entry and pass-thru speeds,
- 2) Drainage Analysis, utility relocations, street lighting, landscaping, and construction specifications,
- 3) Coordination with utility companies,
- 4) Prepare 15%, FIR, FOR (90%), and final design plans for a Reduced Speed Roundabout,
- 5) Update ROW and legal descriptions for the northeast corner parcel,
- 6) Coordinate and obtain environmental, utility, and right-of-way clearance letters for CDOT,
- 7) Prepare Cost Estimates,
- 8) Constructability reviews, and construction schedule,
- 9) Coordinate w/Olsson on water line design and incorporate it into one bid package,
- 10) Revise RFP for QA inspections.

The total fee for this change order is \$311,211.00. We had an hourly rate increase in 2022, and we are showing our new rates for this change order. Since our original design work has been completed, this is a fair point in this project to ask for a change in our billing rates.

The following provides some of the thoughts that went into preparing this change order request. We are flexible on what work to include in this change order. We are trying to be as comprehensive as we can with our services so that there are no fee issues down the road. We are open to discussing adjusting the scope and fees.

- We removed all QL-B SUE work and railroad crossing design.
- We included fees to update the ROW plans, revise three legal descriptions, and staking of ROW points/lines.
- It is assumed three review submittals will occur (no 75% set).
- We added in time to get the project from FOR to Bid, which was not included in the previous versions.
- We included tasks for QA Inspections RFP prep/update, constructability reviews, and construction schedule preparation based on previous City requests to add this work.
- The subconsultant fees for the street lighting and landscaping are shown as single line items under the miscellaneous tasks. Minimal updates are being assumed for this fee.
- No additional traffic analysis is required.
- No additional railroad work will be required.
- The speed criteria may preclude passing large vehicles and farm equipment through the roundabout. We will model vehicle passage and discuss the results with the City and get additional direction.

If additional information or clarification is needed, please feel free to contact me or Eric.

Respectfully submitted,

JR ENGINEERING, LLC



Daren A. Sterling, PE
Client Manager

ec: Eric Lee, PE, Project Manager

Enclosures:

- Fee spreadsheet
- Project Team

City of Greeley
 Intersection Improvements - O Street 59th Avenue

Fee Schedule & Resource Allocation									
City of Greeley - O Street and 59th Avenue Intersection Improvements									
Additional Services #7 - Final Design Plans and Estimate for Reduced Speed Roundabout									
TASKS	WORK ITEM						Sub-Consultant	Direct Expense	Totals
		Manager / Group Lead	Project Lead	Project Engineer/ Surveyor	Engineer/ Surveyor	Two-Man Field Survey			
		\$180	\$160	\$145	\$130	\$170	L.S.	L.S.	
	Additional Services #7								
8000	15% Design Package								
8001	Horizontal Layout of Reduced Speed Roundabout	4.0	24.0		4.0				\$5,080
8002	Verify Vertical Profiles for Revised Roundabout	2.0	8.0						\$1,640
8003	Drainage Analysis for Reduced Speed Roundabout	3.0	6.0		16.0				\$3,580
8004	Prepare 15% Plans for Revised Roundabout (12 Sheets)	2.0	8.0		48.0				\$7,880
8005	Prepare 15% Cost Estimate	1.0	2.0	2.0	8.0				\$1,830
	Subtotal								\$20,010
8100	Project Management								
8101	Kick-off and Progress Meetings (Assumed 16 Meetings)	64.0		16.0					\$13,840
8102	Attend 30% FIR Meeting + Agenda and Minutes	8.0		4.0					\$2,020
8103	Attend 90% FOR Meeting + Agenda and Minutes	8.0		4.0					\$2,020
8104	Coordination with External Agencies and Utility Providers	16.0		8.0					\$4,040
8105	Project Management	52.0							\$9,360
	Subtotal								\$31,280
8200	Survey and Utility Mapping								
8201	Conduct Additional Topographic and Property Survey	4.0		6.0	4.0	8.0			\$3,470
8202	Conduct Additional Staking for ROW Acquisitions	2.0		4.0	4.0	12.0			\$3,500
8203	Collect QL-A Test Holes (15 max) + Traffic Control (SurvWest)						\$35,970		\$35,970
8204	Prepare Test Hole Exhibits and Review Data	8.0		16.0	8.0				\$4,800
8205	Survey Coordination and Data Processing	4.0		6.0	8.0				\$2,630
	Subtotal								\$50,370
8300	ROW Plans and Legals								
8301	Prepare Legal Description and Exhibit (3 Total)	4.0		6.0	4.0			\$2,100	\$4,210
8302	Prepare CDOT Style ROW Plans	8.0	16.0		8.0				\$5,040
8302	Modify ROW Acquisition Documents per Comments	4.0	16.0		8.0			\$2,100	\$6,420
	Subtotal								\$15,670
8400	30% Design Documents								
8401	Update Horizontal and Vertical Design per 15% Comments	6.0	24.0		12.0				\$6,480
8402	Title Sheet, Notes, and M&S Standard Plans	0.5		1.0	4.0				\$755
8403	Summary of Approximate Quantities and Tabulation Sheets	1.0		6.0	4.0				\$1,570
8404	Typical Sections	1.0		8.0	16.0				\$3,420
8405	Demolition and Utility Plans	2.0		12.0	16.0				\$4,180
8406	Horizontal Control Plan	0.5		2.0	4.0				\$900
8407	Roadway Plan and Profiles	2.0		24.0	16.0				\$5,920
8408	Intersection Plans	1.0		16.0	12.0				\$4,060
8409	Signage and Striping Plans	1.0		6.0	12.0				\$2,610
8410	Storm Sewer Plans	2.0	8.0	32.0	40.0				\$11,480
8411	Pond and Ditch Plans	2.0	8.0	32.0	40.0				\$11,480
8412	GESC and SWMP Sheets	2.0	4.0	8.0	24.0				\$5,280
8413	Detail Sheets	0.5		2.0	6.0				\$1,160
8414	Prepare 30% Cost Estimate	4.0		12.0	12.0				\$4,020
8415	Prepare 30% Specifications	4.0		4.0					\$1,300
8416	Drainage Report Updates	6.0	8.0	16.0	16.0				\$6,760
8417	Coordinate Water Line Design with Olsson	4.0	2.0	4.0	6.0				\$2,400
	Subtotal								\$73,775
8500	90% Design Documents								
8501	Address 30% Comments and Prepare 90% Plans	12.0	12.0	80.0	120.0				\$31,280
8502	Prepare 50' Roadway Cross Sections	1.0		12.0	16.0				\$4,000
8503	Traffic Control and Construction Phasing Plans	8.0		24.0	24.0				\$8,040
8504	Prepare 90% Cost Estimate	2.0		8.0	6.0				\$2,300
8505	Prepare 90% Specifications	4.0		2.0					\$1,010
8506	Address 90% Comments and Submit Bid Set	8.0	10.0	60.0	100.0				\$24,740
	Subtotal								\$71,370
8600	Miscellaneous Tasks and Reimbursables								
8601	Mileage							\$1,220	\$1,220
8602	Revise RFP for QA Inspections	6.0		8.0					\$2,240
8603	Two Constructability Reviews + 1 Construction Schedule	8.0		20.0	16.0				\$6,420
8604	Updated Environmental Reporting (SWCA)						\$12,095		\$12,095
8605	Street Lighting Design (PK Electric)						\$11,728		\$11,728
8606	Landscaping Design (Goodbee & Assoc)						\$15,034		\$15,034
	Subtotal								\$48,736
	Total:	282.5	156.0	471.0	642.0	20.0	\$74,826	\$5,420	\$311,211

JR Project Team

