

CITY OF FLAGSTAFF



- CONFIRMING CHANGE ORDER NO. _____
- CONSULTING CONTRACT CHANGE ORDER NO. 16
- CONSTRUCTION CONTRACT CHANGE ORDER NO. _____
- CONTRACT ALLOWANCE UPDATE NO. _____

PROJECT NO. 346800 **PROJECT NAME:** Rio de Flag Flood Control Utility Relocation

FILE NO. 03-04011 **PROJECT MANAGER:** Jeremy DeGeyter

TO: Shephard Wesnitzer, Inc.

You are hereby directed to make the herein described changes from the plans and/or specifications or perform the following described work not included in the plans and/or specifications of this contract. Description of work to be done:

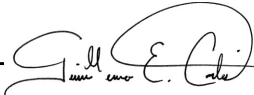
Provide additional work tasks as described in the proposal dated October 20, 2022 for the Rio de Flag (RDF) Flood Control project as required by the US Army Corps of Engineers (USACE). The added tasks are requirements to meet the estate necessary to certify real estate for construction based on the lands, easements, rights-of-way, relocations and disposal site (LERRD) for the RDF Flood Control Project. The tasks include relocation of utilities within BNSF right of way, legal descriptions for real estate acquisitions, design of replacement of pedestrian bridge at City Hall, and phasing of construction plans. There is a 470-day time extension requested with this change order to meet the USACE anticipated project award date.

Change Order originated by: CITY OF FLAGSTAFF CONTRACTOR CONSULTANT OTHER: _____

Project Manager	<u>10/27/2022</u> Date	Approval Recommended	<u>Jeremy DeGeyter</u> <small>Digitally signed by Jeremy DeGeyter DN: cn=US, email=jeremyd@flagstaffaz.gov, o=City of Flagstaff, ou=Capital Improvements, cn=Jeremy DeGeyter Date: 2022.10.26 12:21:04-0700</small>
Department Head	<u>10/27/2022</u> Date	Approval Recommended	_____
Water Services	<u>10/27/2022</u> Date	Approval Recommended	absent
Public Works	<u>10/27/2022</u> Date	Approval Recommended	11/2/2022
City Engineering	<u>10/27/2022</u> Date	Approval Recommended	<u>Trevor Henry</u> Trevor Henry 11/2/2022
City Attorney	<u>10/27/2022</u> Date	Approval Recommended	_____
Purchasing (Chair)	<u>10/27/2022</u> Date	Approval Recommended	_____
City Manager	<u>10/27/2022</u> Date	Approval Recommended	_____

		END DATES	
ORIGINAL CONTRACT PERIOD	<u>275</u> Days	(10/30/05)	ORIGINAL CONTRACT \$ <u>1,582,521.00</u>
PRIOR TIME CHANGES	<u>6,350</u> Days	(6/19/22)	TOTAL PRIOR VALUE CHANGES \$ <u>2,055,531.34</u>
THIS TIME CHANGE	<u>470</u> Days	(10/1/23)	VALUE OF THIS CHANGE \$ <u>151,200.00</u>
NEW CONTRACT PERIOD	<u>7,095</u> Days	(10/1/23)	NEW CONTRACT \$ <u>3,789,252.34</u>

We, the undersigned consultant, have given careful consideration to the change proposed and hereby agree, if this proposal is approved, that we will provide all equipment, furnish all materials, except as may otherwise be noted above and perform all services necessary for the work above specified and will accept as full payment therefore the prices and time extensions shown above.

FIRM NAME: Shephard Wesnitzer, Inc. By: 

Accepted Date: 10/26/2022

CITY OF FLAGSTAFF**PROJECT STATUS FORM**

PROJECT NAME: Rio de Flag Flood Control Utility Relocation		<input checked="" type="checkbox"/> Design <input type="checkbox"/> Construction <input type="checkbox"/> Other		
PROJECT NO. 346800		FILE NO. 03-04011		
ACCT. NO. 206-08-385-3236-0-4433		100%	\$3,789,252.34	
PROPOSED CONTRACT TOTAL <i>(Includes Original Contract Amount & All Change Orders)</i>		\$3,789,252.34		
COUNCIL APPROVAL: January 18, 2005		ORIGINAL CONTRACT AMOUNT: \$1,582,521.00		
PROJECT BUDGET \$2,870,940.00		FY: 12/13		
PROJECT BUDGET		FY:		
NOTICE TO PROCEED: January 28, 2005		ORIGINAL CONTRACT PERIOD (calendar days): 275		
ORIGINAL/REVISED COMPLETION DATES: October 30, 2006/October 1, 2023		ORIGINAL CONTRACT ALLOWANCE: \$75,000.00		
CONSULTANT: Shephard Wesnitzer, Inc.		LOCATION: Flagstaff, AZ		
CITY PROJECT MANAGER: Jeremy DeGeyter				
Change Orders	C.O. Amount/ Allowance Amt	C.O. Days	Council Date	REASON FOR CHANGE
Revision Date	New Total	Original / New Total	New Comp. Date	
CO#1	\$14,404.00	0	N/A	Revise sewer crossings & cost estimate due to change in structures & flood elevations by USACE. Amount is to be taken from City Manager's Authority. \$136,346.00/\$150,750.00
8/04/05	\$1,596,925.00	275	10/30/05	
Field Order #1	\$1,290.00	0	N/A	Prepare exhibits and convert files to Arcmap format. \$73,710.00/\$75,000.00
8/22/05			10/30/05	
Field Order #2	N/A	60	N/A	Time extension due to City/USACE delays.
10/26/05		335	12/29/05	
Field Order #3	2,800.00	60	N/A	Time extension due to City/USACE delays.
2/09/06	0	395	2/27/06	
CO#2	\$11,998.00	261	N/A	Additional Title Reports, time extension due to City delay. Amount is to be taken from City Manager's Authority. \$124,348.00/\$150,750.00
3/20/06	\$1,608,923.00	656	11/15/06	
Field Order #4	\$941.98	0	N/A	Prepare Brownfield Exhibits. \$69,968.02/\$75,000.00
5/20/06	N/A	656	11/15/06	
Field Order #5	N/A	60	N/A	Time extension due to City/USACE delays.
11/6/06		716	1/14/07	

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Revision Date	New Total	Original / New Total	New Comp. Date		
Field Order #6	N/A	60	N/A	Time extension due to City/USACE delays.	
1/08/07		776	3/15/07		
CO#3	\$12,015	730	N/A	Additional design to determine estimate of right of way needed and utility relocations cost for the Corps Limited Re-evaluation Report. Amount is to be taken from City Manager's Authority. \$112,333.00/\$150,750.00	
2/1/07	\$1,620,938	1506	3/14/09		
Field Order #7	N/A	60	N/A	Time delays due to City and USACE.	
3/09/09		1566	5/13/09		
CO#4	\$1,038,036.34	270	5/05/09	Deliver Phase II of the project per the attached scope and fee.	
4/16/09	\$2,658,974.34	1836	2/07/10		
Field Order #8	\$3,600.00	0	N/A	Provide additional sewer flow measurement.	
9/14/09	2,662,574.34	1836	2/07/10		
CO#5	\$24,343.00	38	N/A	Accelerate design of lower 850 I.f. of utility plans to meet shovel ready designation. Amount is to be taken from City Manager's Authority. \$87,990.00/\$150,750.00	
10/15/09	\$2,683,317.34	1874	3/17/10		

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PROJECT BUDGET		\$2,870,940.00		FY: 12/13	
PROJECT BUDGET				FY:	
NOTICE TO PROCEED:		January 28, 2005		ORIGINAL CONTRACT PERIOD (calendar days): 275	
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CONSULTANT: Shephard Wesnitzer, Inc.			LOCATION: Flagstaff, AZ		
CITY PROJECT MANAGER: Jeremy DeGeyter					
Change Orders	C.O. Amount/ Allowance Amt	C.O. Days	Council Date	REASON FOR CHANGE	
Revision Date	New Total	Original / New Total	New Comp. Date		
Change Order #6	\$0	180	N/A	Time extension due to City/USACE delays as a result of the January 2010 VE study.	
3/4/10	\$2,683,317.34	2054	9/13/10		
Change Order #7	\$0	365	N/A	Time extension due to City/USACE delays as a result of the 2010 VE study and revisions to the 90% plans.	
9/9/10	\$2,683,317.34	2419	9/13/11		
Change Order #8	\$0	365	N/A	Time extension due to City/USACE delays as a result of the 2010 VE study and revisions to the 90% plans.	
9/8/11	\$2,683,317.34	2784	9/13/12		
Change Order #9	\$0	365	N/A	Time extension due to City/USACE delays as a result of the 2010 VE study and revisions to the 90% plans.	
9/13/12	\$2,683,317.34	3149	9/13/13		
Change Order #10	\$0	972	N/A	Time extension due to City/USACE delays.	
5/21/15	\$2,683,317.34	4,121	5/12/2016		
Change Order #11	\$0	491	N/A	Time extension due to City/USACE delays.	
9/15/16	\$2,683,317.34	4,612	9/15/2017		

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PROJECT BUDGET		FY:		
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Revision Date	New Total	Original / New Total	New Comp. Date	
Change Order #12	\$0	958	N/A	Time extension to bring current the existing contract and meet the new USACE final design completion date of 04/30/2020
3/7/19	\$2,683,317.34	5,845	4/30/20	
Change Order #13	\$483,100.00	365	3/17/2020	Additional work to bring outstanding tasks to comply with the USACE final design and meet the project schedule for construction delivery, Spring 2021
2/13/2020	\$3,166,417.34	6,210	4/30/21	
Change Order #14	\$374,135.00	180	11/17/2020	Added tasks are supplemental to the design as outlined and requested by the USACE; supplemental survey services, additional side drain analysis, final design and coordination to produce 100% Construction Plans
11/05/2020	\$3,540,552.34	6390	10/27/21	
Change Order #15	\$97,500.00	235	7/06/2021	Added tasks to ensure the real estate certification has sufficient rights. The added tasks will include revised legal descriptions, schedule B maps, segment maps.
6/17/2021	\$3,638,052.34	6625	6/19/22	
Change Order #16	\$151,200.00	470	11/15/2022	Added tasks related to relocation of utilities within BNSF right of way, real estate acquisitions, design of replacement of pedestrian bridge at City Hall, and phased construction plans to meet USACE requirements.
10/27/2022	\$3,789,252.34	7095	10/1/23	

COMMENTS: The allocations shown above are inclusive of all Change Orders shown.

Purchase Order Number: 14-000120	Line Number: 1	Amount	\$698,015.35
Purchase Order Number: 14-000120	Line Number: 2	Amount	\$7,244.66
Purchase Order Number: 14-000120	Line Number: 3	Amount	\$483,100.00

Purchase Order Number: 14-000120	Line Number: 4	Amount \$374,135.00
Purchase Order Number: 14-000120	Line Number: 5	Amount \$97,500.00



Shephard  Wesnitzer, Inc.

Engineering an environment of excellence

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Engineering an environment of excellence.

Ms. Christine Cameron
City of Flagstaff
211 W. Aspen Avenue
Flagstaff, AZ 86001 ("Client")

October 20, 2022
Job # 04473

RE: Rio De Flag
Additional Services Change Order #16

Dear Ms. Cameron:

SWI has been asked to provide additional services for the design and real estate portions of the project. Please provide a change order for the additional services listed below.

1.0 SCOPE OF SERVICES, ADDITIONAL

We propose to provide the following:

Item No.	Description	Fee
1.	BNSF UAP Applications: Complete BNSF UAP forms and prepare supporting exhibits. The previous proposal included applications for 14 BNSF parcels with one exhibit provided per parcel. Per the meeting with BNSF staff, an individual application and exhibit will need to accompany each individual water/sewer/fiber optic improvement within each BNSF parcel, which results in a total of 23 applications. This item is for the additional 9 applications.	\$4,800
2.	BNSF Utility Locating Survey: Includes survey of the BNSF telecom and signal locating. Item does not include permitting requirements needed to access BNSF property.	\$8,800
3.	Legal Descriptions (TCEs & PUEs): Prepare legal descriptions and supporting exhibits for additional easements necessary for construction that are not defined in the Army Corps Take Letter. Easements include temporary construction easements and public utility easements. This item includes budget to create 59 legal descriptions, which includes 43 legal descriptions for Clay Avenue Wash, 5 legal descriptions for the Lower Reach, and an additional 11 legal descriptions.	\$47,000
4.	Legal Descriptions (Fiber): Prepare legal descriptions and supporting exhibits for additional easements necessary for construction of the fiber optic line that are not defined in the Army Corps Take Letter. This item includes budget to create 36 legal descriptions, which includes 13 legal descriptions for Clay Avenue Wash, 18 legal descriptions for the Lower Reach, and an additional 5 legal descriptions. It is assumed that the fiber easements cannot be combined with and will overlap public utility easements.	\$29,000
5.	Supplemental Survey: Includes supplemental survey for the design of the reconstruction of the City of	\$2,100

Flagstaff Pedestrian Bridge.

6. **Geotechnical Report:** **\$5,800**
A geotechnical report will be prepared for the reconstruction of the City of Flagstaff Pedestrian Bridge, including foundation requirements.

7. **City of Flagstaff Pedestrian Bridge:** **\$23,500**
Due to the improvements to the Rio de Flag the existing pedestrian bridge at City Hall will be removed and replaced. At this time, the City of Flagstaff has indicated that they would prefer an "in-kind" replacement of the pedestrian bridge.

Structural Engineering Services:

Sirius Structures, LLC will provide the following services during the design portion of the project:

- One (1) site visit with SWI and owner to review existing construction
- Correspondence during the design phase to the Client and other sub-consultants on structurally significant design and detailing decisions
- Preparation of structural construction plans including: General Structural Notes, Typical Details, Foundation and Framing Plans, and project specific Foundation and Framing Details
- Preparation of a structural calculation report outlining the analysis performed. Coordination during the permitting phase including any revisions to the construction plans or calculations created by Sirius Structures requested by the Building Department.

Sirius Structures, LLC will provide the following services during the construction portion of the project:

- Up to (2) reviews of contractor provided structural submittals (concrete, masonry, etc.) to verify compliance of the submittals with the design intent of the structural construction documents
- Review and response to structural RFI's during bidding or construction (this scope explicitly excludes designs of repairs due to errors or omissions or others as

Electrical Engineering Services:

Volta US will provide the following services during the design portion of the project:

Electrical construction includes relocating existing PV system and site lighting raceways that run through the existing bridge. The existing PV inverters are to remain in place, not affected by the new work. New city friendly lighting shall be added to the bridge along with any other related electrical power and low voltage raceways.

Basic Services:

1. Electrical construction documents including,
 - Up to (1) site observation(s) during design
 - Bridge lighting and photometrics
 - Site power and demolition plans
 - Relocation of PV system feeders

2A. Electrical construction administration (CA) / post design (in-house) services including submittal reviews, response to RFIs through construction may be provided as follows, on a time and materials basis as needed per current engineering rates in force. The amount indicated below for CA services is not to exceed without prior authorization. Additional services beyond NTE amount may be added with client approval.

- 2B. Site visits during construction phase (each visit as needed).

8. Phased Construction Plans:

\$30,200

Per direction received from the Army Corps on October 10, 2022. This item includes a fee to separate the Utility Relocation and Surface Reconstruction plans into two individual sets for Phase 1 and Phase 2.

ASWO#16 DESIGN TOTAL: \$151,200.00

Your signature below will serve as your acceptance of this Work Order, pursuant to the terms and conditions of the original contract. Feel free to call if you have any questions or concerns.

Sincerely,

A handwritten signature in black ink, appearing to read "Guillermo E. Cortes". The signature is stylized with a large, circular flourish around the "E" and "C".

Guillermo E. Cortes, P.E.
Vice President

Accepted: _____ Date: _____