


**Agenda Item
No.**

F.2

DATE SUBMITTED 03/10/2021
 SUBMITTED BY COMMUNITY DEVELOPMENT DIRECTOR
 DATE ACTION REQUIRED 03/17/2021

COUNCIL ACTION (X)
 PUBLIC HEARING ()
 REQUIRED RESOLUTION ()
 ORDINANCE 1ST READING ()
 ORDINANCE 2ND READING ()
 CITY CLERK'S INITIALS 

**IMPERIAL CITY COUNCIL
AGENDA ITEM**

SUBJECT: DISCUSSION/ACTION:
 CONSTRUCTION OF STORM DRAIN SYSTEM AND ASPHALT RUBBER COMPOSITE LAYER OVERLAY ALONG 11TH STREET FROM N "D" STREET TO OLD SR-86. (BID NO. 2019-10)

1. APPROVAL OF BALANCING CHANGE ORDER.
2. ACCEPTANCE OF WORK COMPLETED
3. AUTHORIZING CITY CLERK TO FILE NOTICE OF COMPLETION IN THE IMPERIAL COUNTY CLERK/RECORDER OFFICE.

DEPARTMENT INVOLVED: COMMUNITY DEVELOPMENT DEPARTMENT

BACKGROUND/SUMMARY:

The Community Development Department was directed by City Council to conduct a competitive BID process and construction of a storm drain system and asphalt rubber composite layer overlay along 11th Street from N "D" Street to Old SR-86, which originally consisted of the installation of reinforced concrete elliptical storm drain pipes, drop inlets, and manholes, as well as grinding of the whole cross-section of existing asphalt pavement, installation of conventional asphalt leveling course, asphalt-rubber aggregate membrane (ARAM), gap graded asphalt-rubber hot mix, utility adjustments and traffic control.

This project was funded through SB-1 and LTA Measure D Program.

An individual contract was awarded to Granite Construction through said BID process.

The construction project was successfully completed on December 2020.

Staff continued working with Granite Construction on finalizing quantities, amount paid through previous invoicing, balancing change order and final payment of accumulated retainage.

Changes in the scope of work were made due to unforeseen existing pavement forcing to pulverize the existing asphalt and replace it with Hot Mix Asphalt (HMA), the proposed concrete pipe was replaced with high-density polyethylene (HDPE) pipe, the storm drain system was extended one additional block up to N "E" Street, additional Curb & Gutter and sidewalk were installed along the side of Imperial High School, and four (4) sanitary sewer manholes were removed and replaced due to poor conditions, Final quantities have been accounted in the balancing change order and EXHIBIT "A" attached herewith for review and approval.

FISCAL IMPACT:

Original Contract Sum: \$ 1,354,531.00
 Net Change by C.O. : \$ 287,733.83 (+21.24%)
 Add'l Quantities = 10.62%
 Contingency = 10.62%
 Total Amount Including C.O.: \$ 1,642,264.83

ADMIN SERVICES SIGN INITIALS



STAFF RECOMMENDATION: Staff recommends City Council

- A. Approval of balancing change order final and final contract amount.
- B. Acceptance of work completed.
- C. Authorizing City Clerk to file "Notice of Completion" in the Imperial County Clerk/Recorder office.

DEPT. INITIALS

GM

MANAGER'S RECOMMENDATION:

CITY
MANAGER's
INITIALS

ab

MOTION:

SECONDED:

AYES:

NAYES:

ABSENT:

APPROVED ()

DISAPPROVED ()

REFERRED TO:

REJECTED ()

DEFERRED ()



CITY COUNCIL
 Karin Eugenio - Mayor
 Geoffrey D. Dale - Mayor Pro-Tem
 Robert Amparano – Council Member
 Katie Burnworth – Council Member
 James Tucker - Council Member

CITY CLERK
 Debra Jackson

CITY TREASURER
 Stacy Cox

March 10, 2021

Exhibit A
Community Development Department
Balancing Change Order (Summary)

**“Construction of Storm Drain System and Asphalt Rubber Composite Layer
 Overlay along 11th Street from N “D” Street to Old SR-86”
 BID NO. 2019-10**

Original Contract:	_____	\$ 1,354,531.00
Change Order #1:	_____	\$ 61,316.00
Change Order #2:	_____	\$ 48,000.00
Change Order #3:	_____	\$ 50,360.23
Balancing Change Order		
Time & Materials	= \$47,866.83	
Additional Quantities	= \$ 68,731	
Additional Asphalt CCO1-E	= \$ 13,860	
Amount Deducted for Using City Equipment Repairing "F" St	= <u>(\$2,400.00)</u>	
		\$ 128,057.83
New Contract Amount:	_____	\$ 1,642,264.83

Total Contract Increase = 21.24%.

Additional Quantities ____ = 10.62%
Contingency _____ = 10.62%
(See Exhibit B for Details)



CITY COUNCIL
 Karin Eugenio - Mayor
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 Robert Amparano – Council Member
 Katie Burnworth – Council Member
 James Tucker - Council Member

CITY CLERK
 Debra Jackson

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March 10, 2021

**Exhibit B
 Community Development Department
 Final Expenditures Summary**

**“Construction of Storm Drain System and Asphalt Rubber Composite Layer
 Overlay along 11th Street from N “D” Street to Old SR-86”
 BID NO. 2019-10**

	Original Contract Amount =	\$1,354,531.00		
a)	Subtract Per Deleted Items 6, 7, 24, 25, 26 # 27 (CO #1) =	\$ (778,472.00)	-57.47%	Balancing
b)	New SD Pipeline HDPE Pipe & Asphalt Road (CO #1) =	\$ 826,088.00	60.99%	Balancing
c)	Add'l SD Pipeline, CB & Junction Boxes Per Items 4 & 5 (CO #1) =	\$ 28,500.00	2.10%	Balancing
d)	Subtract Per Item 8 (CO #1) =	\$ (14,800.00)	-1.09%	Balancing
e)	CCO #2 (Remove & Replace Sewer Manholes) =	\$ 48,000.00	3.54%	Contingency
f)	CCO #3 (Repair Damaged Asphalt @ "F" St Caused by Water Leak) =	\$ 50,360.23	3.72%	Contingency
g)	T&M =	\$ 47,866.83	3.53%	Contingency
h)	Balance to Finish (Additional Quantities) =	\$ 68,731.00	5.07%	Balancing
i)	Balance to Finish (Additional Asphalt CCO1-E) =	\$ 13,860.00	1.02%	Balancing
j)	Amount Deducted for Using City Equipment Repairing "F" St	\$ (2,400.00)	-0.18%	Contingency
	Revised Contract Amount Including Additional Quantities (10.62%) & Contingency (10.62%). See Details Below.	\$ 1,642,265.06	21.24%	

	Percentage due to Additional Quantities			
a)	Substract Per Deleted Items 6, 7, 24, 25, 26 # 27 (CO #1) =	\$ (778,472.00)	-57.47%	Balancing
b)	New SD Pipeline HDPE Pipe & Asphalt Road (CO #1) =	\$ 826,088.00	60.99%	Balancing
c)	Add'l Storm Drain Pipeline, Catch Basins & Junction Boxes Per Items 4 & 5 (CO #1) =	\$ 28,500.00	2.10%	Balancing
d)	Substract Per Item 8 (CO #1) =	\$ (14,800.00)	-1.09%	Balancing
h)	Balance to Finish (Additional Quantities) =	\$ 68,731.00	5.07%	Balancing
i)	Balance to Finish (Additional Asphalt CCO1-E) =	\$ 13,860.00	1.02%	Balancing
		\$ 143,907.00	10.62%	
	Percentage due to Contingency			
e)	CCO #2 (Remove & Replace Sewer Manholes) =	\$ 48,000.00	3.54%	Contingency
f)	CCO #3 (Repair Damaged Asphalt @ "F" St Caused by Water Leak) =	\$ 50,360.23	3.72%	Contingency
g)	Time and materials (T&M) =	\$ 47,866.83	3.53%	Contingency
j)	Amount Deducted for Using City Equipment Repairing "F" St	\$ (2,400.00)	-0.18%	Contingency
		\$ 143,827.06	10.62%	

Granite Construction Company

CITY OF IMPERIAL PROPOSAL BID SHEET Page 1 of 3

FOR CONSTRUCTION OF STORM DRAIN SYSTEM AND ASPHALT RUBBER COMPOSITE LAYER OVERLAY ALONG 11TH STREET FROM N "D" STREET TO OLD SR-86 BID NO. 2019-10

ITEM	QUANTITY	UNIT	ITEM	UNIT COST	AMOUNT
1	1	LS	Mobilization/Bonds/Insurance	\$ 19,624 ⁰⁰	\$ 19,624 ⁰⁰
2	1	LS	(a) Preparation/Implementation Traffic Control Plans & Construction Area Signs	\$ 20,000 ⁰⁰	\$ 20,000 ⁰⁰
3	1	LS	SWPPP Permit/SWPPP Implementation	\$ 6,000 ⁰⁰	\$ 6,000 ⁰⁰
4	8	EA	(b) Install Inlets	\$ 9,000 ⁰⁰	\$ 72,000 ⁰⁰
5	4	EA	(b) Install Junction Boxes	\$ 10,500 ⁰⁰	\$ 42,000 ⁰⁰
6	1364	LF	(b) Install 23" x 14" HE RCP, Class V	\$ 240 ⁰⁰	\$ 327,360 ⁰⁰
7	192	LF	(b) Install 12" RCP	\$ 250 ⁰⁰	\$ 48,000 ⁰⁰
8	3,080	SF	Install Four (4) Dig Outs. Includes Removal and Dispose of Existing Asphalt and Class II Base, as well as Placement of 3-Inch Thick Layer of ½" Hot Mix Asphalt Type A over 9 Inches of Class 2 Base.	\$ 10 ⁰⁰	\$ 30,800 ⁰⁰
9	2	EA	(c) Install New 24' Wide P.C.C. Driveway Per Detail D3.	\$ 6,500 ⁰⁰	\$ 13,000 ⁰⁰
10	1	EA	(c) Install New 21' Wide P.C.C. Driveway Per Detail D3.	\$ 5,800 ⁰⁰	\$ 5,800 ⁰⁰
11	1	EA	(c) Install New 20' Wide P.C.C. Driveway Per Detail D3.	\$ 5,700 ⁰⁰	\$ 5,700 ⁰⁰
12	1	EA	(c) Install New 18' Wide P.C.C. Driveway Per Detail D3.	\$ 5,400 ⁰⁰	\$ 5,400 ⁰⁰
13	14	EA	(c) Install New 15' Wide P.C.C. Driveway Per Detail D3.	\$ 4,600 ⁰⁰	\$ 64,400 ⁰⁰
14	2	EA	(c) Install New 12' Wide P.C.C. Driveway Per Detail D2.	\$ 7,000 ⁰⁰	\$ 14,000 ⁰⁰
15	1	EA	Remove and Replace 15' Long P.C.C. Depressed Curb.	\$ 400 ⁰⁰	\$ 400 ⁰⁰
16	4	EA	Demolition, Remove and Dispose Existing Concrete Curb Return.	\$ 350 ⁰⁰	\$ 1,400 ⁰⁰
17	165	LF	Install New P.C.C. Depressed Curb Per Detail D13.	\$ 70 ⁰⁰	\$ 11,550 ⁰⁰
18	5	EA	Install New P.C.C. ADA Accessible Ramps including Subgrade Preparation, Installation of 15Mil Concrete Vapor Barrier, Sand and Truncated Domes Per Detail D7.	\$ 3,400 ⁰⁰	\$ 17,000 ⁰⁰
19	1,200	LF	Demolition, Remove and Dispose Existing Freestanding Curb and 2' of AC Pavement to Accommodate New Curb & Gutter.	\$ 12 ⁰⁰	\$ 14,400 ⁰⁰
20	1,340	LF	Install New P.C.C. Curb & Gutter Per Detail D1.	\$ 76 ⁰⁰	\$ 101,840 ⁰⁰

21	775	SF	Install P.C.C. Sidewalk, includes Subgrade Preparation and Sand Per Detail D6.	\$ 16 ⁰⁰	\$ 12,400 ⁰⁰
22	635	SF	Install P.C.C. Spandrel, Includes Subgrade Preparation and Class II Base Per Detail D5.	\$ 27 ⁰⁰	\$ 17,145 ⁰⁰
23	540	SF	Install 6' Wide P.C.C. Cross-Gutter, Includes Removal and Disposal of Existing AC Pavement, and Class 2 Base, Subgrade Preparation and New Class II Base Per Detail D4	\$ 30 ⁰⁰	\$ 16,200 ⁰⁰
24	93,200	SF	(d) (e) 1" Grinding/Cold Plane Existing AC	\$ 0 ³¹	\$ 28,892 ⁰⁰
25	480	TON	(e) 3/4" Leveling Course: 1/2" Hot Mix Asphalt Type A and SS1h Tack Coat	\$ 190 ⁰⁰	\$ 91,200 ⁰⁰
26	93,200	SF	(e) 3/8" Asphalt Rubber Aggregate Membrane (ARAM)	\$ 1 ²⁵	\$ 116,500 ⁰⁰
27	920	TON	(e) 1.5" Asphalt Rubber Hot Mix (ARHM) Overlay: 1/2" Aggregate / Type Gap Graded (GG)	\$ 181 ⁰⁰	\$ 166,520 ⁰⁰
28	4	EA	(e) Double Adjust Sanitary Sewer and/or Storm Drain Manhole Covers. Includes Installation of New Concrete Ring Per Detail 11.	\$ 2,600 ⁰⁰	\$ 10,400 ⁰⁰
29	20	EA	(e) Double Adjust Water Valve and/or Monitoring Well Covers. Includes Installation of New Concrete Ring Per Detail 12.	\$ 1,300 ⁰⁰	\$ 26,000 ⁰⁰
30	1	EA	Relocate Existing Fire Hydrant. Includes labor, excavation and furnishing all materials to be used	\$ 6,000 ⁰⁰	\$ 6,000 ⁰⁰
31	2	EA	Relocate Existing Stop Sign/Street Name Sign	\$ 300 ⁰⁰	\$ 600 ⁰⁰
32	1	LS	(f) Pavement Striping per Sheet 3 of 5.	\$ 8,000 ⁰⁰	\$ 8,000 ⁰⁰
33	1	LS	Construction Staking/Surveying Services	\$ 20,000 ⁰⁰	\$ 20,000 ⁰⁰
34	1	LS	Geotechnical Quality Control Services	\$ 14,000 ⁰⁰	\$ 14,000 ⁰⁰
				Total Bid Proposal:	\$ 1,354,531⁰⁰

- (a) Includes two (2) Traffic Control Plans, one for the installation of the Storm Drain System and another for the asphalt overlay operations.
- (b) The cost estimate for items from 4 to 7 shall include all fees associated for the excavation, backfill, testing and pavement structure required to restore the street to its original conditions and ready to operate. See Appendix C: "IMPROVEMENT PLANS FOR STORM DRAIN ALONG 11TH STREET FROM F STREET TO OLD SR-86" prepared by Alfred Civil Engineering
- (c) Installation of New P.C.C. Driveways includes the Demolition, Removal and Disposal of Existing Concrete Driveway, as well as Subgrade Preparation and Installation of New Class II Base and Reinforcing Bars.
- (d) The grindings derived from the construction activity shall be disposed and "stockpiled" at the following Site: City of Imperial Shop Site located at 14th and North "N" Street.
- (e) For Items 24 to 29 See Detail Sheet "B" (Sheet 5 of 5).
- (f) All pavement markings, pavement legends, and lines shall be thermoplastic. Install 12" wide white stop bar line and yellow crosswalk line per Caltrans Plan A24F. Install "STOP" pavement legend per Caltrans standard plan A24D.

CITY OF IMPERIAL
PROPOSAL BID SHEET Page 3 of 3
FOR
CONSTRUCTION OF STORM DRAIN SYSTEM AND
ASPHALT RUBBER COMPOSITE LAYER OVERLAY ALONG 11TH STREET
FROM N "D" STREET TO OLD SR-86

BID NO. 2019-10

NOTE 1: THE ESTIMATED QUANTITIES INDICATED ABOVE ARE APPROXIMATE. THE ENGINEER WILL NOT ASSUME RESPONSIBILITY FOR THE QUANTITIES ILLUSTRATED IN THE PROJECT PLANS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE QUANTITIES.

NOTE 2: THE LOWEST RESPONSIVE BID WILL BE BASED ON THE LOWEST TOTAL BID PROPOSAL.

TOTAL AMOUNT OF BID PROPOSAL (NUMBERS) 1,354,531⁰⁰

TOTAL AMOUNT OF BID PROPOSAL (WORDS) ONE MILLION, THREE HUNDRED FIFTY FOUR THOUSAND, FIVE HUNDRED THIRTY ONE DOLLARS AND ZERO CENTS

Note: The estimated quantities listed in the Proposal Bid Sheet(s) are supplied to give an indication of the general scope of the work, but the accuracy of these figures is not guaranteed and the bidder shall make his own estimates from the drawings. In case of a variation between the unit price and the totals shown by the bidder, the unit price will be considered to be the bid.

Granite Construction Company (760) 337-3030
Bidder's Name and Telephone Number

EXHIBIT 1
FINAL PHOTO REPORT: "F" & 11TH STREETS INTERSECTION.

Before Improvements



EXHIBIT 1
FINAL PHOTO REPORT: "F" & 11TH STREETS INTERSECTION.



EXHIBIT 1
FINAL PHOTO REPORT: "F" & 11TH STREETS INTERSECTION.



EXHIBIT 1
FINAL PHOTO REPORT: "F" & 11TH STREETS INTERSECTION.



**EXHIBIT 1
FINAL PHOTO REPORT: "F" & 11TH STREETS INTERSECTION.**

After Improvements

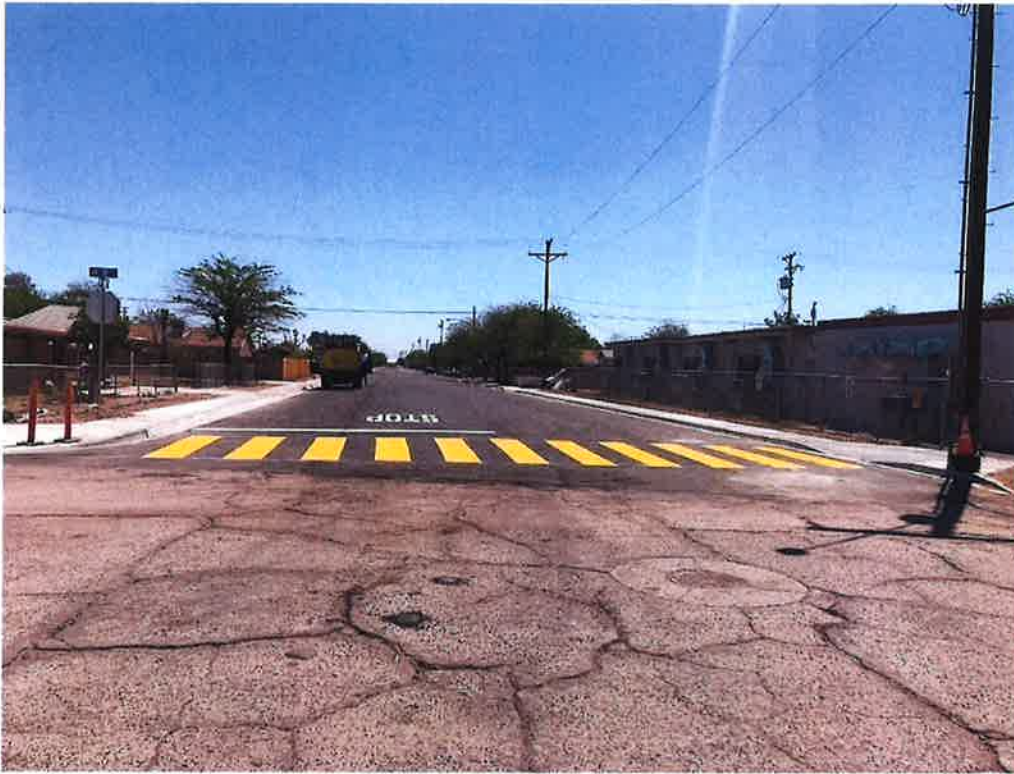


EXHIBIT 1
FINAL PHOTO REPORT: "F" & 11TH STREETS INTERSECTION.



EXHIBIT 1
FINAL PHOTO REPORT: "F" & 11TH STREETS INTERSECTION.



EXHIBIT 1
FINAL PHOTO REPORT: "F" & 11TH STREETS INTERSECTION.

