



City of Palo Alto

City Council Staff Report

(ID # 12366)

Meeting Date: 9/27/2021

Title: Approval of Construction Contract Number C22182320 with Golden Bay Construction, Inc. in the Amount of \$1,250,923, and Authorization for the City Manager to Negotiate and Execute Change Orders Up to a Not-to-Exceed Amount of \$125,093, for the Storm Drainage System Replacement and Rehabilitation Project, Capital Improvement Program Project SD-06101

From: City Manager

Lead Department: Public Works

Recommendation

Staff recommends that Council:

1. Approve, and authorize the City Manager or designee to execute a construction contract with Golden Bay Construction, Inc. ([Contract No. C22182320](#)) in the amount of \$1,250,923 for the Storm Drainage System Replacement and Rehabilitation Project SD-06101; and
2. Authorize the City Manager or designee to negotiate and execute one or more change orders to the above construction contract with Golden Bay Construction, Inc. for related, additional and unforeseen work that may develop during the project, the total value of which shall not exceed \$125,093.

Background

Older storm drainpipes and structures are usually made of concrete or metal. These materials can deteriorate over time due to age, tree root intrusion, excess weight imposed on a brittle structure during construction activities or will rust and rot out, creating large holes within the sides of the pipes. Deteriorated pipes are then replaced or repaired as part of the recurring Storm Drainage System Replacement and Rehabilitation Project (SD-06101).

Based on the condition of the pipe, if there are no holes or significant cracking, the storm drainpipe can be cured-in-place pipe (CIPP) lined. In the cases where the pipes have disintegrated and are cracked or catch basins have collapsed, a full replacement will be needed. Pipe replacement in the streets may require additional work such as striping, sidewalk, curb and gutter, and curb ramp due to the location of the work.

The purpose of this rehabilitation project is to preserve, if not improve, the integrity of the storm drain system. In some instances, there are existing 10-inch diameter pipes that will be

upsized to a 12-inch diameter pipe so that they can be properly cleaned. Pipes smaller than 12 inches in diameter cannot be cleaned properly due to the size limits of the available equipment. Rehabilitating and repairing the storm drain system reduces flooding risks by making sure that the storm system is properly maintained and functioning.

This project has been coordinated with Public Works Street Maintenance and Utilities Department. Street cut fees in the amount of \$30,000 will be transferred to the General Fund.

Discussion

Public Works identifies and tracks the locations of storm drain pipe sections requiring rehabilitation. The last citywide rehabilitation project was completed in 2009. The work under this contract, which will occur at a number of locations throughout the City, includes the replacement of 1,817 linear feet of broken pipe and 2,443 linear feet of pipe to be CIPP lined. The project will also remove and replace 21 catch basins, and four storm drain manholes. Concrete work includes removal and replacement of curb ramps, curb and gutter, and sidewalk.

On July 30, 2021, an Invitation for Bids (IFB) for the Storm Drainage System Replacement and Rehabilitation Project was posted to the City’s online bid solicitation web portal, Planet Bids. The bidding period was 25 days, ending on August 24, 2021. Bids were received from five qualified contractors on August 24, 2021, as listed in the attached Bid Summary (Attachment A).

Summary of Bid Process

Bid Name / Number	Storm Drainage System Replacement and Rehabilitation Project IFB No. 182320
Proposed Length of Project	270 Calendar Days
Number of Bid Packages Downloaded by Prime Contractors	31
Total Days to Respond to Bid	25 Calendar Days
Pre-Bid Meeting?	No
Number of Bids Received	5
Base Bid Price Range	\$1,250,923 - \$1,772,174

The apparent low bidder was selected based upon the base bid with no consideration to the add alternate. The Base Bid prices ranged from \$1,250,923 to \$1,772,174, representing 15% below to 20% above the engineer’s estimate, respectively. Staff does not recommend awarding the Bid Alternate.

Staff has reviewed all bids submitted and recommends that the Base Bid totaling \$1,250,923 submitted by Golden Bay Construction, Inc. be accepted and that Golden Bay Construction, Inc. be declared the lowest responsible bidder. The contingency amount of \$125,093, which equals 10 percent of the total contract, is requested for related, additional, but unforeseen work which may develop during the project.

Staff reviewed other similar projects performed by the lowest responsible bidder, Golden Bay Construction, Inc., including projects performed for the City and did not find any significant issues with their previous work. Staff also checked with the Contractor's State License Board and confirmed that the contractor has an active license on file.

This contract is on the City's construction contract template, which permits the City to terminate without cause/for convenience by providing written notice to the contractor. In the event the City finds itself facing a challenging budget situation, and it is determined that City resources need to be refocused elsewhere, the City can terminate for convenience. Other options include termination due to non-appropriation of funds or amending the contract to reduce the cost, for example, by reducing the scope of work.

Resource Impact

Funding for this project is available in the Fiscal Year 2022 Storm Water Management Fund Capital Budget for the Storm Drainage System Replacement and Rehabilitation Project (SD-06101).

Policy Implications

The project meets the Water Resources Goal N-4 and Policy N-4.14 on improving storm drainage performance by constructing new system improvements where necessary. This project is consistent with the City's Storm Drain Master Plan and its goal to manage urban runoff and protect public health and safety. The recommendations do not represent any changes to existing City policies.

Stakeholder Engagement

Staff has presented to the Storm Water Management Oversight Committee on the progress of the Storm Drainage System Replacement and Rehabilitation Project. Once the construction contract is awarded, staff will continue to notify and update the Storm Water Management Oversight Committee during construction. Additional public outreach will be completed during construction.

Environmental Review

This project is categorically exempt from the provisions of the California Environmental Quality Act (CEQA) under Section 15301 (d) (repair, maintenance and/or minor alteration of existing facilities and 15302 (c) (replacement of existing structures) of the CEQA Guidelines and no further environmental review is necessary.

Attachments:

- Attachment A: Bid Summary

STORM DRAINAGE SYSTEM REPLACEMENT AND REHABILITATION PROJECT (SD-06101)

IFB 182320

IFB Post Date: 7/30/2021

IFB Due Date: 8/24/2021

BID FORM SUMMARY				LOWEST BIDDER											
BID #	DESCRIPTION	QTY	UNIT	Engineer's Estimate		Golden Bay Construction		Devaney Engineering, Inc.		Con-Quest Contractors, Inc.		KJ Woods Construction		EPS Inc dba Express Plumbing	
				UNIT PRICE	BID TOTAL	UNIT PRICE	BID TOTAL	UNIT PRICE	BID TOTAL	UNIT PRICE	BID TOTAL	UNIT PRICE	BID TOTAL	UNIT PRICE	BID TOTAL
1	MOBILIZATION	1	LS	\$ 50,000.00	\$ 50,000.00	\$ 30,000.00	\$ 30,000.00	\$ 40,000.00	\$ 40,000.00	\$ 148,000.00	\$ 148,000.00	\$ 70,000.00	\$ 70,000.00	\$ 82,000.00	\$ 82,000.00
2	PUBLIC NOTIFICATION AND POSTING	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 1,800.00	\$ 1,800.00	\$ 2,000.00	\$ 2,000.00	\$ 5,000.00	\$ 5,000.00	\$ 6,500.00	\$ 6,500.00	\$ 10,000.00	\$ 10,000.00
3	TRAFFIC CONTROL	1	LS	\$ 80,000.00	\$ 80,000.00	\$ 28,806.00	\$ 28,806.00	\$ 25,000.00	\$ 25,000.00	\$ 40,000.00	\$ 40,000.00	\$ 30,000.00	\$ 30,000.00	\$ 20,000.00	\$ 20,000.00
4	SHEETING, SHORING AND BRACING	1	LS	\$ 80,000.00	\$ 80,000.00	\$ 360.00	\$ 360.00	\$ 25,000.00	\$ 25,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00	\$ 20,000.00
5	INERT SOLIDS RECYCLING WITH FABRIC	1	LF	\$ 8,000.00	\$ 8,000.00	\$ 450.00	\$ 450.00	\$ 5,000.00	\$ 5,000.00	\$ 1,000.00	\$ 1,000.00	\$ 9,205.00	\$ 9,205.00	\$ 20,000.00	\$ 20,000.00
6	STRIPING	1	LF	\$ 5,000.00	\$ 5,000.00	\$ 4,500.00	\$ 4,500.00	\$ 12,000.00	\$ 12,000.00	\$ 7,000.00	\$ 7,000.00	\$ 8,000.00	\$ 8,000.00	\$ 20,000.00	\$ 20,000.00
7	REMOVE EXISTING 10-INCH PIPE AND INSTALL 10-INCH HDPE PIPE	10	LF	\$ 250.00	\$ 2,500.00	\$ 338.00	\$ 3,380.00	\$ 1,000.00	\$ 10,000.00	\$ 340.00	\$ 3,400.00	\$ 480.00	\$ 4,800.00	\$ 500.00	\$ 5,000.00
8	REMOVE EXISTING 10-INCH PIPE AND INSTALL 12-INCH HDPE PIPE	416	EA	\$ 300.00	\$ 124,800.00	\$ 320.00	\$ 133,120.00	\$ 300.00	\$ 124,800.00	\$ 340.00	\$ 141,440.00	\$ 500.00	\$ 208,000.00	\$ 380.00	\$ 158,080.00
9	REMOVE EXISTING 12-INCH PIPE AND INSTALL 12-INCH HDPE PIPE	520	EA	\$ 300.00	\$ 156,000.00	\$ 320.00	\$ 166,400.00	\$ 320.00	\$ 166,400.00	\$ 340.00	\$ 176,800.00	\$ 500.00	\$ 260,000.00	\$ 380.00	\$ 197,600.00
10	REMOVE EXISTING 12-INCH PIPE AND INSTALL 12-INCH HDPE PIPE ON 4"AC OVER 6"PCC	72	EA	\$ 300.00	\$ 21,600.00	\$ 369.00	\$ 26,568.00	\$ 325.00	\$ 23,400.00	\$ 500.00	\$ 36,000.00	\$ 550.00	\$ 39,600.00	\$ 1,000.00	\$ 72,000.00
11	REMOVE EXISTING 15-INCH PIPE AND INSTALL 15-INCH HDPE PIPE	291	LF	\$ 350.00	\$ 101,850.00	\$ 320.00	\$ 93,120.00	\$ 360.00	\$ 104,760.00	\$ 420.00	\$ 122,220.00	\$ 550.00	\$ 160,050.00	\$ 390.00	\$ 113,490.00
12	REMOVE EXISTING 13-INCH BY 22-INCH PIPE AND INSTALL 12-INCH HDPE PIPE	522	EA	\$ 600.00	\$ 313,200.00	\$ 257.00	\$ 134,154.00	\$ 300.00	\$ 156,600.00	\$ 180.00	\$ 93,960.00	\$ 475.00	\$ 247,950.00	\$ 520.00	\$ 271,440.00
13	REMOVE AND REPLACE EXISTING CATCH BASIN	21	LS	\$ 5,000.00	\$ 105,000.00	\$ 5,055.00	\$ 106,155.00	\$ 8,000.00	\$ 168,000.00	\$ 7,500.00	\$ 157,500.00	\$ 6,000.00	\$ 126,000.00	\$ 8,200.00	\$ 172,200.00
14	INSTALL STANDARD STORM DRAIN MANHOLE	1	LF	\$ 10,000.00	\$ 10,000.00	\$ 8,100.00	\$ 8,100.00	\$ 11,000.00	\$ 11,000.00	\$ 12,500.00	\$ 12,500.00	\$ 12,000.00	\$ 12,000.00	\$ 12,000.00	\$ 12,000.00
15	INSTALL 60-INCH STORM DRAIN MANHOLE.	1	SF	\$ 20,000.00	\$ 20,000.00	\$ 10,800.00	\$ 10,800.00	\$ 14,000.00	\$ 14,000.00	\$ 14,500.00	\$ 14,500.00	\$ 14,000.00	\$ 14,000.00	\$ 25,000.00	\$ 25,000.00
16	INSTALL STORM DRAIN MANHOLE JUNCTION BOX	2	SF	\$ 25,000.00	\$ 50,000.00	\$ 16,650.00	\$ 33,300.00	\$ 35,000.00	\$ 70,000.00	\$ 25,000.00	\$ 50,000.00	\$ 30,000.00	\$ 60,000.00	\$ 13,800.00	\$ 27,600.00
17	INSTALL CIPP LINER IN EXISTING 10-INCH PIPE.	205	EA	\$ 70.00	\$ 14,350.00	\$ 215.00	\$ 44,075.00	\$ 100.00	\$ 20,500.00	\$ 195.00	\$ 39,975.00	\$ 110.00	\$ 22,550.00	\$ 243.00	\$ 49,815.00
18	INSTALL CIPP LINER IN EXISTING 12-INCH PIPE.	309	EA	\$ 80.00	\$ 24,720.00	\$ 148.00	\$ 45,732.00	\$ 100.00	\$ 30,900.00	\$ 134.00	\$ 41,406.00	\$ 115.00	\$ 35,535.00	\$ 167.00	\$ 51,603.00
19	INSTALL CIPP LINER IN EXISTING 15-INCH PIPE.	41	EA	\$ 90.00	\$ 3,690.00	\$ 305.00	\$ 12,505.00	\$ 145.00	\$ 5,945.00	\$ 277.00	\$ 11,357.00	\$ 160.00	\$ 6,560.00	\$ 346.00	\$ 14,186.00
20	INSTALL CIPP LINER IN EXISTING 13-INCH BY 22-INCH ELLIPTICAL PIPE	615	EA	\$ 100.00	\$ 61,500.00	\$ 120.00	\$ 73,800.00	\$ 75.00	\$ 46,125.00	\$ 109.00	\$ 67,035.00	\$ 80.00	\$ 49,200.00	\$ 136.00	\$ 83,640.00
21	INSTALL CIPP LINER IN EXISTING 30-INCH PIPE.	1273	EA	\$ 150.00	\$ 190,950.00	\$ 179.00	\$ 227,867.00	\$ 140.00	\$ 178,220.00	\$ 163.00	\$ 207,499.00	\$ 155.00	\$ 197,315.00	\$ 203.00	\$ 258,419.00
22	VIDEO INSPECTION OF NEW STORM DRAIN PIPELINE	1817	EA	\$ 4.00	\$ 7,268.00	\$ 3.00	\$ 5,451.00	\$ 3.00	\$ 5,451.00	\$ 2.50	\$ 4,542.50	\$ 5.00	\$ 9,085.00	\$ 3.00	\$ 5,451.00
23	REMOVE AND REPLACE CURB RAMP.	5	EA	\$ 5,000.00	\$ 25,000.00	\$ 6,300.00	\$ 31,500.00	\$ 15,000.00	\$ 75,000.00	\$ 5,000.00	\$ 25,000.00	\$ 7,000.00	\$ 35,000.00	\$ 7,500.00	\$ 37,500.00
24	REMOVE AND REPLACE TYPE A CURB AND GUTTER.	105	EA	\$ 50.00	\$ 5,250.00	\$ 138.00	\$ 14,490.00	\$ 75.00	\$ 7,875.00	\$ 130.00	\$ 13,650.00	\$ 60.00	\$ 6,300.00	\$ 200.00	\$ 21,000.00
25	REMOVE AND REPLACE CONCRETE SIDEWALK.	690	EA	\$ 17.00	\$ 11,730.00	\$ 21.00	\$ 14,490.00	\$ 25.00	\$ 17,250.00	\$ 33.00	\$ 22,770.00	\$ 15.00	\$ 10,350.00	\$ 35.00	\$ 24,150.00
Base Bid Total:				\$ 1,477,408.00	\$ 1,477,408.00	\$ 1,250,923.00	\$ 1,250,923.00	\$ 1,345,226.00	\$ 1,345,226.00	\$ 1,462,554.50	\$ 1,462,554.50	\$ 1,648,000.00	\$ 1,648,000.00	\$ 1,772,174.00	\$ 1,772,174.00
10% Contingency:				\$ 147,741.00	\$ 147,741.00	\$ 125,093.00	\$ 125,093.00	\$ 134,523.00	\$ 134,523.00	\$ 146,256.00	\$ 146,256.00	\$ 164,800.00	\$ 164,800.00	\$ 177,218.00	\$ 177,218.00
Total Base Bid:				\$ 1,625,149.00	\$ 1,625,149.00	\$ 1,376,016.00	\$ 1,376,016.00	\$ 1,479,749.00	\$ 1,479,749.00	\$ 1,608,810.50	\$ 1,608,810.50	\$ 1,812,800.00	\$ 1,812,800.00	\$ 1,949,392.00	\$ 1,949,392.00

Over Engineer's Estimate: -15% -9% -1% 12% 20%

BID ALTERNATE - NOT ADVANCING				LOWEST BIDDER											
BID #	DESCRIPTION	QTY	UNIT	Engineer's Estimate		Golden Bay Construction		Devaney Engineering, Inc.		Con-Quest Contractors, Inc.		KJ Woods Construction		EPS Inc dba Express Plumbing	
				UNIT PRICE	BID TOTAL	UNIT PRICE	BID TOTAL	UNIT PRICE	BID TOTAL	UNIT PRICE	BID TOTAL	UNIT PRICE	BID TOTAL	UNIT PRICE	BID TOTAL
Alt1	REMOVE EXISTING 4-INCH PIPE AND INSTALL 12-INCH HDPE PIPE.	23	LF	\$ 250.00	\$ 5,750.00	\$ 338.00	\$ 7,774.00	\$ 500.00	\$ 11,500.00	\$ 400.00	\$ 9,200.00	\$ 900.00	\$ 20,700.00	\$ 900.00	\$ 20,700.00
Alt2	REMOVE AND REPLACE EXISTING CATCH BASIN	1	EA	\$ 5,000.00	\$ 5,000.00	\$ 7,115.00	\$ 7,115.00	\$ 10,000.00	\$ 10,000.00	\$ 6,000.00	\$ 6,000.00	\$ 10,000.00	\$ 10,000.00	\$ 8,100.00	\$ 8,100.00
Alt3	MOBILIZATION	1	LS	\$ 3,000.00	\$ 3,000.00	\$ 6,000.00	\$ 6,000.00	\$ 5,000.00	\$ 5,000.00	\$ 1,500.00	\$ 1,500.00	\$ 4,000.00	\$ 4,000.00	\$ 1,600.00	\$ 1,600.00
Alt4	TRAFFIC CONTROL	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 1,200.00	\$ 1,200.00	\$ 2,000.00	\$ 2,000.00	\$ 2,500.00	\$ 2,500.00	\$ 2,000.00	\$ 2,000.00	\$ 500.00	\$ 500.00
Alt5	SHEETING, SHORING AND BRACING	1	LS	\$ 5,000.00	\$ 5,000.00	\$ 300.00	\$ 300.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 1,500.00	\$ 2,000.00	\$ 2,000.00	\$ 500.00	\$ 500.00
Alt6	VIDEO INSPECTION OF NEW STORM DRAIN PIPELINE	23	LF	\$ 4.00	\$ 92.00	\$ 3.00	\$ 69.00	\$ 50.00	\$ 1,150.00	\$ 2.50	\$ 57.50	\$ 5.00	\$ 115.00	\$ 25.00	\$ 575.00
Alt7	WATER MAIN BACKFILL	1	EA	\$ 10,000.00	\$ 10,000.00	\$ 7,500.00	\$ 7,500.00	\$ 4,000.00	\$ 4,000.00	\$ 5,500.00	\$ 5,500.00	\$ 10,000.00	\$ 10,000.00	\$ 2,500.00	\$ 2,500.00
Bid Alternate Total:				\$ 33,842.00	\$ 33,842.00	\$ 29,958.00	\$ 29,958.00	\$ 35,150.00	\$ 35,150.00	\$ 26,257.50	\$ 26,257.50	\$ 48,815.00	\$ 48,815.00	\$ 34,475.00	\$ 34,475.00
10% Contingency:				\$ 3,385.00	\$ 3,385.00	\$ 2,996.00	\$ 2,996.00	\$ 3,515.00	\$ 3,515.00	\$ 2,626.00	\$ 2,626.00	\$ 4,882.00	\$ 4,882.00	\$ 3,448.00	\$ 3,448.00
Total Bid Alternate:				\$ 37,227.00	\$ 37,227.00	\$ 32,954.00	\$ 32,954.00	\$ 38,665.00	\$ 38,665.00	\$ 28,883.50	\$ 28,883.50	\$ 53,697.00	\$ 53,697.00	\$ 37,923.00	\$ 37,923.00

Over Engineer's Estimate: -11% 4% -22% 44% 2%

TOTALS SUMMARY FOR WORK TO PROCEED				LOWEST BIDDER											
Total Summary Description				Engineer's Estimate		Golden Bay Construction		Devaney Engineering, Inc.		Con-Quest Contractors, Inc.		KJ Woods Construction		EPS Inc dba Express Plumbing	
Total Base Bid				\$ 1,477,408.00	\$ 1,477,408.00	\$ 1,250,923.00	\$ 1,250,923.00	\$ 1,345,226.00	\$ 1,345,226.00	\$ 1,462,554.50	\$ 1,462,554.50	\$ 1,648,000.00	\$ 1,648,000.00	\$ 1,772,174.00	\$ 1,772,174.00
Total 10% Contingency				\$ 147,741.00	\$ 147,741.00	\$ 125,093.00	\$ 125,093.00	\$ 134,523.00	\$ 134,523.00	\$ 146,256.00	\$ 146,256.00	\$ 164,800.00	\$ 164,800.00	\$ 177,218.00	\$ 177,218.00
Total Contract Amount				\$ 1,625,149.00	\$ 1,625,149.00	\$ 1,376,016.00	\$ 1,376,016.00	\$ 1,479,749.00	\$ 1,479,749.00	\$ 1,608,810.50	\$ 1,608,810.50	\$ 1,812,800.00	\$ 1,812,800.00	\$ 1,949,392.00	\$ 1,949,392.00

Over Engineer's Estimate: -15% -9% -1% 12% 20%