



Legislation Text

File #: 2023-0872, Version: 1

Report to Mayor and City Council

Tuesday, January 09, 2024

Consent

SUBJECT:

CONSIDER AN AWARD OF A CONTRACT SERVICES AGREEMENT TO HZS ENGINEERING, INC. FOR PROJECT NO. 1783: DELFORD AVENUE TO 226TH PLACE CULVERT REPLACEMENT

I. SUMMARY

Over the past several years, Delford Avenue, north of 228th Street, has historically had poor drainage performance during rain. A rectangular culvert drains the street of Delford Avenue to 226th Place, traversing through a city-owned easement under private property. Earlier in the year, City of Carson (City) staff investigated the culvert and determined that major structural damage had occurred within the culvert, with root damage causing approximately 95% occlusion mid-way through the culvert, and a partial structural collapse causing approximately 50% occlusion near the outlet at 226th Place. Staff determined that the best call to action is to reconstruct the culvert, restoring performance and minimizing potential flooding.

On October 19, 2023, the City issued Invitation for Bids (IFB) No. 23-21 for the reconstruction of the City-owned culvert between Delford Avenue and 226th Place. Two bids were received, and staff determined HZS Engineering, Inc. to be the lowest responsive and responsible bidder with a total bid in the amount of \$267,700.00 (Exhibit No. 1). Staff is requesting that the City Council award a Contract Services Agreement to HZS Engineering, Inc., to reconstruct the existing culvert for an amount not to exceed \$267,700.00. (Exhibit No. 2). The total cost of the project will be \$294,470.00 which includes a 10% contingency.

Public Works is requesting the City Council to add Project No. 1783 to the 5-Year Capital Improvement Projects List. Funding will be allocated from the CIP/General Fund account 101-99-999-904-6004.

II. RECOMMENDATION

TAKE the following actions:

1. AWARD a Contract Services Agreement to HZS Engineering, Inc. to demolish and

reconstruct the Delford Avenue Culvert for a not-to-exceed amount of \$267,700.

2. AUTHORIZE the expenditure of construction contingencies in the amount of \$26,770 (10%) for change orders and any unforeseen construction work that may be necessary to complete this project.
3. AUTHORIZE the Mayor to execute the Contract Services Agreement with HZS Engineering, Inc. following approval as to form by the City Attorney.
4. APPROVE the amended 5-Year Capital Improvement Program with the addition of PW1783 - Delford Avenue to 226th Place Culvert Replacement in the amount of \$267,700.00

III. ALTERNATIVES

1. DO NOT APPROVE the Contract Services Agreement.
2. TAKE another action City Council deems appropriate consistent with the requirements of the law.

IV. BACKGROUND

The Delford Avenue to 226th Place Culvert is a storm drain structure that collects water flowing north on Delford Avenue and exits onto the surface of 226th Place, where it continues flowing east to the Los Angeles County Storm Drain near Main Street. The existing rectangular Culvert is approximately 1.5 feet tall by 3 feet wide, traversing east underneath 22700 Delford Avenue, making a 90 degree turn, and going north underneath 174 West 226th Place. The total length is approximately 180 feet. It is protected by an easement granted to the City for the right to construct, maintain, operate, and use for storm drain purposes.

The City observed that the Culvert was draining slowly during moderate to heavy rain events and was one of the poorest performing storm drain structures in the City. The structure could not drain water flowing north along Delford Avenue quickly enough, causing flooding at the north end of the cul-de-sac. Due to the topology of the street, the property at 22700 Delford Avenue is subsequently affected by the poor drainage and the resident is required to sandbag their driveway during any potential rain event to prevent flooding of the interior of their premises.

Earlier in the year, City staff investigated the culvert and determined that major structural damage had occurred within the culvert, with root damage causing approximately 95% occlusion mid-way through the culvert, and a partial structural collapse causing approximately 50% occlusion near the outlet at 226th Place. Staff determined that the best call to action is to reconstruct the culvert, restoring performance and minimizing potential flooding.

On October 19, 2023, staff issued an IFB No. 23-21 to design and construct a new culvert within the existing easement. On October 30, 2023, City staff performed a job walk with potential contractors. On November 8, 2023, proposals were received by the City Clerk (Exhibit No.3). Proposals were reviewed by Public Works engineering staff. The proposals

were received as follows:

Delford Avenue to 226th Place Culvert Replacement

Contractor	Not to Exceed Contract Sum
HZS Engineering, Inc.	\$267,700.00
Cheloletty Engineering, Inc.	\$331,670.00

Based on the proposals received, HZS Engineering, Inc. was determined to be the lowest responsive and responsible bidder. HZS Engineering, Inc. is a contractor licensed by the State of California, and a responsible bidder under the State law. The contractor's references have been checked, and it has been verified that the contractor has previously completed similar projects in an acceptable manner. Based on the above information, staff is requesting that the City Council award a Contract Services Agreement to HZS Engineering, Inc. for an amount not to exceed \$267,700.00.

V. FISCAL IMPACT

The project and funding were not included in the 5-year CIP, therefore, if the contract is approved, funding in the amount of \$294,470 will be allocated from the CIP/General Fund account 101-99-999-904-6004.**VI. EXHIBITS**

1. HZS Engineering, Inc. Bid Package (pgs. 4 - 24)
2. Contract Services Agreement with HZS Engineering, Inc. (pgs. 25 - 61)
3. Bid Registry (pgs. 62)
4. Amended CIP List - FY2023/24 (pgs. 63 - 78)
5. Amended Project List - PW1783 (pg. 79)

Prepared by: Dr. Arlington Rodgers, Director of Public Works and Gilbert Marquez, P.E., City Engineer