



AGENDA MEMORANDUM

Action Item for the City Council Meeting of September 15, 2020

DATE: September 8, 2020

TO: Peter Zaroni, City Manager

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Construction Contract Award

**Laguna Shores Road (SPID to Graham), Laguna Shores Road (Hustlin' Hornet to Caribbean) and Laguna Shores Road (Mediterranean to Wyndale)
(Bond 2018)**

CAPTION:

Motion awarding construction contracts to Mako Contracting, LLC, Corpus Christi, Texas for the reconstruction of Laguna Shores Road from SPID to Graham in the amount of \$3,548,277.14 and two construction contracts to Haas-Anderson Construction, Ltd., Corpus Christi, Texas for the reconstruction of Laguna Shores Road from Hustlin' Hornet to Caribbean in the amount of \$6,263,934.90 and Laguna Shores Road (Mediterranean to Wyndale) in the amount of \$6,734,988.95, located in Council District 4, with funding available from the Street Bond 2018, FY 2020 Storm Water, Wastewater and Water Funds and FY 2021 Wastewater Funds.

SUMMARY:

This motion approves three construction contracts; one with Mako Contracting LLC, for the reconstruction of Laguna Shores Road from SPID to Graham and two construction contracts with Haas-Anderson Construction for the reconstruction of Laguna Shores

Road from Hustlin' Hornet to Caribbean and Mediterranean to Wyndale with new asphalt pavement, underground storm sewer system, new water main and wastewater main and minor adjustments to gas.

BACKGROUND AND FINDINGS:

This project includes three segments of Laguna Shores Road to be constructed concurrently.

Segment 1 – approximately 3,100 Linear Feet, includes full reconstruction of Laguna shores Road from SPID to Graham with new asphalt pavement, utility improvements, hydrologic restoration of redhead pond and construction of a living shoreline feature adjacent to Laguna Shores Road at Graham Road.

Segment 2 – approximately 5,100 Linear Feet, includes full reconstruction of Laguna Shores Road from Hustlin' Hornet to Caribbean with new asphalt pavement and utility improvements.

Segment 3 – approximately 5,400 Linear Feet, includes full reconstruction of Laguna Shores from Mediterranean to Wyndale with new asphalt pavement and utility improvements.

All three segments are Bond 2018 Projects. Segments 1 and 2 were approved with BOND 2018, Proposition A and Segment 3 was approved with BOND 2018, Proposition B.

The section of Laguna Shores from Graham Road to Hustlin' Hornet was previously constructed in 2009. The roadway was raised and widened to provide 12 feet travel lanes and 4-foot shoulders, identical to the section that is proposed for Segments 1, 2 & 3. The section of Laguna Shores from Caribbean to Mediterranean was constructed in 2007. This section also provides an elevated and widened roadway. With the completion of Segments 1, 2 & 3 the entire corridor of Laguna Shores from the S.P.I.D. to Wyndale Street will be uniform in height and width.

The current Urban Transportation Plan (UTP) designates Laguna Shores Road as a proposed Parkway. The proposed improvements for the project will occur within the existing right-of-way that will limit the impact to adjacent wetlands. The existing roadway consists of two - 10 feet wide travel lanes with no shoulders. Proposed street improvements will provide two-twelve feet wide travel lanes with four feet wide shoulders and elevate the roadway centerline to a minimum elevation of 3.65 feet to alleviate frequent inundation during high tides. Articulated concrete block matting will be provided intermittently along the eastern side of the road to protect the roadbed against wave action from the Laguna Madre.

Utility improvements include underground storm sewer system, new water main and wastewater main and minor adjustments to gas. The hydrologic restoration of Redhead

Pond Wildlife Area involves rerouting stormwater runoff to provide more freshwater inflow to the pond and this also fulfills the mitigation requirements for environmental impacts to be caused by the proposed construction on all three segments of the Laguna Madre Road project. The construction of a living shoreline feature includes placement of graded riprap (GRR) breakwater along with grading and marsh vegetation planting to create a “living shoreline” protection system. This roadway resilience enhancement is being constructed in coordination with the Corpus Christi Metropolitan Planning Organization’s Federal Highways Administration Resilience and Durability to Extreme Weather Pilot Program.

PROJECT TIMELINES:

Segment 1 – Laguna Shores Road from SPID to Graham

2020				2021				
S	O	N	D	J	F	M	A	M
Construction								

Project schedule reflects City Council award in September 2020 with anticipated completion in May 2021.

Segment 2 –Laguna Shores Road from Hustlin’ Hornet to Caribbean

2020				2021												2022	
S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F
Construction																	

Project schedule reflects City Council award in September 2020 with anticipated completion in February 2022

Segment 3 – Laguna Shores Road from Mediterranean to Wyndale

2020				2021										
S	O	N	D	J	F	M	A	M	J	J	A	S	O	N

Construction

Project schedule reflects City Council award in September 2020 with anticipated completion in November 2021

COMPETITIVE SOLICITATION PROCESS

The Contracts and Procurement Department issued three Request for Bids, one for each segment. The solicitations each contained two base bids, Base Bid 1 (asphalt) and Base Bid 2 (concrete). On August 5, 2020, the City received bids for each segment as provided below:

	LAGUNA SHORES RD – SPID TO GRAHAM PROJECT NO 18026A (SEGMENT 1)		LAGUNA SHORES RD - HUSTLIN HORNET TO CARIBBEAN PROJECT NO 18024A (SEGMENT 2)		LAGUNA SHORES RD - MEDITERRANEAN TO WYNDALE PROJECT NO 18025A (SEGMENT 3)	
CONTRACTOR	BASE BID NO. 1 (HMAC)	BASE BID NO. 2 (CONCRETE)	BASE BID NO. 1 (HMAC)	BASE BID NO. 2 (CONCRETE)	BASE BID NO. 1 (HMAC)	BASE BID NO. 2 (CONCRETE)
Mako Contracting	<u>3,548,277.14</u>	<u>\$4,136,764.35</u>	NO BID	NO BID	NO BID	NO BID
Haas-Anderson Construction	\$4,103,139.47	NO BID	<u>6,263,934.90</u>	NO BID	<u>\$6,734,988.95</u>	NO BID
Bay Ltd	6,217,350.40	NO BID	\$8,419,839.80	NO BID	\$9,450,043.25	NO BID
Clark Pipeline Services	\$6,300,962.65	NO BID	\$8,140,690.14	NO BID	\$9,803,569.38	NO BID
Reytec Construction Resources	NO BID	\$5,578,895.60	NO BID	<u>\$9,182,240.60</u>	NO BID	<u>\$8,046,975.40</u>

Per City Council Policy 28 - Award Guidelines for Arterial and Collector Streets, an award recommendation for concrete pavement is made if the total cost of the concrete bid does not exceed \$17.75 per square yard (\$125,000 per lane mile) of the asphalt cost. When Staff analyzed the asphalt section components versus the concrete section components, the concrete sections were not within the threshold and so is not considered financially

advantageous. The concrete component prices for segments 1 through 3 is: \$50.21 per square yard, \$56.40 per square yard, \$55.00 per square yard respectively. The cost per square yard for concrete street is higher than asphalt prices and outside the award recommending threshold. Therefore, all segments are recommended to be awarded to the base bid for asphalt.

ALTERNATIVES:

The alternative is not to award the construction contract to the low bidders, for each segment or award the concrete bids.

FISCAL IMPACT:

The fiscal impact in FY 2020 is an amount of \$3,548,277.14 for the reconstruction of Laguna Shores Road from SPID to Graham, \$6,263,934.90 for reconstruction of Laguna Shores Road from Hustlin' Hornet to Caribbean and \$6,734,988.95 for the reconstruction of Laguna Shores Road from Mediterranean to Wyndale . Project funds are available from the Street Bond 2018, FY 2020 Storm Water, Wastewater and Water Funds and FY 2021 Wastewater Funds.

Funding Detail:

Laguna Shores Road from SPID to Graham

The bids received for Laguna Shores Road from SPID to Graham is within the estimated budget listed on the FY 2020 and FY 2021 Capital Improvement Program (CIP). With Council approval the cost savings from the project will be utilized towards the projects that have funding shortfall.

Fund: **Street Bond 2018, Proposition A (Fund 3556)**
Mission Elem: Street Pavement Maintenance (ME 051)
Project No.: 18026
Account: Construction (Account #550910)
Activity: 18026-A-3556-EXP
Amount: \$1,373,849.20

Fund: **Storm Water (Fund 4532)**
Mission Elem: Storm Water Drainage (ME 043)
Project No.: 18026
Account: Construction (Account #550910)
Activity: 18026-A-4532-EXP
Amount: \$1,249,036.78

Fund: **Wastewater (Fund 4510)**
Mission Elem: Wastewater Collection System (ME 042)
Project No.: 18026

Account: Construction (Account #550910)
Activity: 18026-A-4510-EXP
Amount: \$573,784.80
Fund: **Water (Fund 4099)**
Mission Elem: Water Distribution System (ME 041)
Project No.: 18026
Account: Construction (Account #550910)
Activity: 18026-A-4099-EXP
Amount: \$351,606.36

Laguna Shores Road from Hustlin Hornet to Caribbean

The bids received for Laguna Shores Road from Hustlin Hornet to Caribbean is higher for the Utilities and Stormwater than the estimated budget listed on the FY 2020 and FY 2021 CIP. The shortfall in the budget will be funded through the Stormwater, Wastewater and Water Funds. The shortfall in wastewater funds is certified from the FY 2020 Wastewater Capital Reserve. With Council approval the cost savings from the street portion of the project will be utilized towards the Bond projects that have funding shortfall.

Fund: **Street Bond 2018, Proposition A (Fund 3556)**
Mission Elem: Street Pavement Maintenance (ME 051)
Project No.: 18024
Account: Construction (Account #550910)
Activity: 18024-A-3556-EXP
Amount: \$1,508,453.60

Fund: **Storm Water (Fund 4532)**
Mission Elem: Storm Water Drainage (ME 043)
Project No.: 18024
Account: Construction (Account #550910)
Activity: 18024-A-4532-EXP
Amount: \$2,279,368.45

Fund: **Wastewater (Fund 4510)**
Mission Elem: Wastewater Collection System (ME 042)
Project No.: 18024
Account: Construction (Account #550910)
Activity: 18024-A-4510-EXP
Amount: \$1,238,606.45

Fund: **Water (Fund 4099)**
Mission Elem: Water Distribution System (ME 041)
Project No.: 18024
Account: Construction (Account #550910)
Activity: 18024-A-4099-EXP
Amount: \$1,237,506.40

Laguna Shores Road from Mediterranean to Wyndale

The bids received for Laguna Shores Road from Mediterranean to Wyndale is higher for the Utilities and Stormwater than the estimated budget listed on the FY 2020 and FY 2021 CIP. The shortfall in the budget will be funded through the Stormwater, Wastewater and Water Funds. With Council approval the cost savings from the street portion of the project will be utilized towards the Bond projects that have funding shortfall.

Fund: **Street Bond 2018, Proposition B (Fund 3557)**
Mission Elem: Street Pavement Maintenance (ME 051)
Project No.: 18025
Account: Construction (Account #550910)
Activity: 18025-A-3557-EXP
Amount: \$1,920,904.55

Fund: **Storm Water (Fund 4532)**
Mission Elem: Storm Water Drainage (ME 043)
Project No.: 18025
Account: Construction (Account #550910)
Activity: 18025-A-4532-EXP
Amount: \$2,569,141.75

Fund: **Wastewater (Fund 4510)**
Mission Elem: Wastewater Collection System (ME 042)
Project No.: 18025
Account: Construction (Account #550910)
Activity: 18025-A-4510-EXP
Amount: \$1,778,188.70

Fund: **Water (Fund 4099)**
Mission Elem: Water Distribution System (ME 041)
Project No.: 18025
Account: Construction (Account #550910)
Activity: 18025-A-4099-EXP
Amount: \$466,753.95

RECOMMENDATION:

Staff recommends awarding construction contracts to Mako Contracting for reconstruction of Laguna Shores Road from SPID to Graham in the amount of \$3,548,277.14, with construction duration planned for 9 months and two construction contracts to Haas- Anderson Construction for reconstruction of Laguna Shores Road

(Hustlin' Hornet to Caribbean) in the amount of \$6,263,934.90, with construction duration planned for 18 months and Laguna Shores Road (Mediterranean to Wyndale) in the amount of \$6,734,988.95, with construction duration planned for 15 months from issuance of the Notice to Proceed to begin construction in September 2020. All segments will be under construction concurrently.

LIST OF SUPPORTING DOCUMENTS:

Location Map

Construction Contracts

City Council Policy 28 Award Guidelines for Arterial and Collector Streets, Concrete or Asphalt Pavement