



Interoffice Memorandum

April 3, 2017

TO: Mayor Teresa Jacobs
and the Board of County Commissioners

FROM: Carrie Woodell, Manager, Procurement Division

CONTACT: Raymond Williams, P.E., Manager, Public Works Engineering Division
407-836-7909

SUBJECT: Approval of Amendment No. 8, Contract Y9-820, Design Services for Taft-Vineland Road (Orange Blossom Trail to Orange Avenue)

ACTION REQUESTED

Approval of Amendment No. 8, Contract Y9-820, Design Services for Taft-Vineland Road (Orange Blossom Trail to Orange Avenue) with HNTB Corporation in the amount of \$563,923.33 for a revised contract amount of \$2,849,952.26.

PROCUREMENT

The purpose of this amendment is to provide additional design services to update the plans to current design standards and split the project into a western and eastern segment centered at State Road 91 (Florida's Turnpike), which is being reconstructed under Florida Turnpike Enterprise (FTE) project 411406-1-52-01. The FTE project includes modifications to Taft-Vineland Road from Station 1029+00 to 1039+00 and includes construction of the complete Taft-Vineland Road bridge. This amendment includes the relocation and replacement of 3,000 linear feet of Orange County Utilities (OCU) force main. To complete the work associated with this amendment, the contract time will be increased by 270 days from the Notice to Proceed.

FUNDING

Funds are available in account numbers 1033-072-1509-10-6345 and 4420-038-1509-10-6345.

DISCUSSION

The following are the previous contract actions:

Project Summary

Original Contract: Date: 04-11-2000 Amount: \$ 1,580,345.40

The Consultant provided engineering design; construction plan preparation for the widening of Taft-Vineland Road (OBT to Orange Avenue) as well as General Drive (south of Taft-Vineland Road to Thorpe Drive). Engineering design included roadway design, drainage design, structural design, permitting, signalization design, landscaping, and maintenance of traffic. Public involvement will include various small group meetings with the impacted citizens. The contract was approved by the Board on August 31, 1999.

Amendment No. 1: Date: 10-22-2002 Lump Sum Increase: \$ 373,995.32

This amendment provided additional engineering services to provide engineering and survey services to provide final design plans for six lane widening of 0.57 miles of Orange Blossom Trail (SR 500) from 1500 feet south of Taft-Vineland Road to 1500 feet north of Taft-Vineland Road. The Board approved this amendment on October 15, 2002.

Amendment No. 2: Date: 12-23-2002 Lump Sum Increase: \$ 0.00

This amendment provided additional contract time of 240 days to the Taft-Vineland Road project.

Amendment No. 3: Date: 09-23-2008 Lump Sum Increase: \$ 324,392.12

This amendment provided for the redesign of the Taft-Vineland Road alignment/profile to the newly constructed section west of Orange Blossom Trail (OBT), revising the OBT intersection signalization from a truss design to a mast arm configuration and the revising of the Orange Avenue signalization from a mono-tube design to a mast arm configuration. Additional bridge construction detail sheets (18) were required to complete design work due to the proposed structure being skewed. Additional cross-sections (at 50' interval) and driveway profiles were incorporated. A website was developed for the public use. The addition of topographical survey information to locate nine new driveways and additional survey information to locate underground utilities. The Board approved this Amendment on September 9, 2008.

Amendment No. 4: Date: 11-07-2008 Lump Sum Increase: \$ 0.00

This amendment provided for designing the shifting of a 3,000' long segment of Taft-Vineland Road, from Boggy Creek Canal to Sidney Hayes Road by 20' to the south to avoid impacting Progress Energy's easements. This alignment shift saved significant amount of time and costs associated with acquiring right-of-way from Progress Energy, relocating transmission poles and disrupting power services.

Amendment No. 5: Date: 03-04-10 Limiting Amount Increase: \$ 7,296.09

This amendment provided for shifting the alignment of Taft-Vineland Road between Bachman Road and General Drive by 20' to the south direction in order to avoid impacting the Progress Energy's easements located on the northern side of the corridor. The alignment shift resulted in significant saving of time and costs associated with acquiring right-of-way from Progress Energy, relocating transmission poles and disrupting power services. The realigned roadway is in general conformance with the preferred alignment recommended in the Roadway Conceptual Analysis.

Amendment No. 6: Date: 12-20-10 Lump Sum Increase: \$0.00

This amendment was to perform conceptual analyses to lengthen the proposed Taft-Vineland Road Bridge over Florida's Turnpike to accommodate a wider ultimate roadway section of Florida's Turnpike. The original design of the Taft-Vineland Road Bridge provided span lengths for a 6-lane ultimate Turnpike section, with 36' clear zone on the outside and a median barrier to the inside. The planned ultimate Turnpike section has been changed to an 8-lane section that also provided an outside clear zone. The results of these analyses were utilized to facilitate a decision regarding the bridge length, as well as provide a basis to incorporate final design modifications, if necessary.

Amendment No. 7: Date: 12-12-16 Lump Sum Increase: \$0.00

This amendment to the original scope of service incorporated new contract rates due to the extended performance time of the contract. The CPI Index supports the increase and the rates are comparable to other existing contracts similar in nature.