



Interoffice Memorandum

September 17, 2021

TO: Mayor Jerry L. Demings
-AND-
County Commissioners

FROM: 

Carrie Mathes, CFCM, NIGP-CPP, CPPO, C.P.M., Manager,
Procurement Division

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

SUBJECT: Approval of Amendment No. 11, Contract Y9-820, Professional
Engineering Design Services for Taft-Vineland Road (Orange
Blossom Trail to Orange Avenue)

ACTION REQUESTED:

Approval of Amendment No. 11, Contract Y9-820, Professional Engineering Design
Services for Taft-Vineland Road (Orange Blossom Trail to Orange Avenue) with HNTB
Corporation, in the amount of \$425,077.05, for a revised total contract amount of
\$3,334,725.47.

PROCUREMENT:

This amendment will update the final engineering plans prepared for Taft-Vineland Road
project, western and eastern segments, to meet the current design standards and add 390
days to delivery completion date. The Amendment No. 10 fee structure and rates apply to
this amendment. The project is located in District 4.

FUNDING:

Funding is available in account number 1033-072-3037-6311.

APPROVALS:

The Public Works Engineering Division concurs with this recommendation.

DISCUSSION:

The Board approved the selection of HNTB Corporation on August 31, 1999 and authorized
negotiation and execution of a contract by the Procurement Division. The contract was
executed on April 12, 2000 for a total contract amount of \$1,580,345.40.

The following are the previous contract actions:

Amendment No. 1

Effective Date: 08-26-2002

Amount: \$ 373,995.32

Additional engineering and survey services needed 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.

Amendment No. 2 Effective Date 12-23-2002 Amount: \$0.00

Additional contract time of 240 days was added to the delivery completion date.

Amendment No. 3 Effective Date: 09-09-2008 Amount: \$324,392.12

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 Effective Date: 11-07-2008 Amount: \$0.00

Designed the shifting of a 3,000-foot 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 resulted in saving 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 Effective Date: 03-04-2010 Amount: \$7,296.09

Shifted the alignment of Taft-Vineland Road between Bachman Road and General Drive by 20' feet to the south direction in order to avoid impacting the Progress Energy's easements located on the northern side of the corridor. The subject alignment shift will result 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 still in general conformance with the preferred alignment recommended in the Roadway Conceptual Analysis. transmission poles and disrupting power services. The realigned roadway is still in general conformance with the preferred alignment recommended in the Roadway Conceptual Analysis.

Amendment No. 6 Effective Date: 12-20-2010 Amount: \$0.00

Performed 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 six-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 eight-lane section that also provides an outside clear zone. The results of these analyses will be utilized to facilitate a decision regarding the bridge length, as well as provide a basis for an additional supplemental to incorporate final design modifications, if necessary.

Amendment No. 7 Effective Date: 04-25-2017 Amount: \$0.00

Adjusted the man-hour rates for HNTB Corporation's subconsultants in accordance with contract language in Section II, Payment, Paragraph G - Fee Limitation Clause. Subconsultant, GAI Consultants, Inc. was added to the project team to complete Orange County Utilities (OCU)'s work.

Amendment No. 8 Effective Date: 04-25-2017 Amount: \$563,923.33

Update 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. The relocation / replacement of 3,000 linear feet of OCU force main is included.

Amendment No. 9 Effective Date: 07/27/2018 Amount: \$58,696.16

Provided additional design services for a drainage outfall for pond three, and basin one updates to the drainage design due to a new development located on the north side of the road.

Amendment No. 10 Effective Date: 09-08-2021 Amount: \$0.00

Adjusted the man-hour rates for HNTB Corporation and their subconsultant MSE Group, LLC in accordance with contract language in Section II, Payment, Paragraph G - Fee Limitation Clause.