

Fonseca, Sonia

From: Wetzel, Charles
Sent: Monday, June 02, 2014 3:15 PM
To: Fonseca, Sonia
Cc: Douglas, Steven; Loyer, Bob; 'fursan@pegasusengineering.net'
Subject: US 17/92 Mast Arm Conversions - Status Update
Attachments: US 17-92 @ 27th Aerial.pdf; US 17-92 @ 417 Aerial.pdf

Sonia,

Here is a status of the US 17/92 CRA Mast Arm Conversion project. The designer (Pegasus Engineering) is nearing completion of the design and we expect completed plans by the end of June. There are utility and easement issues at most of the intersections, so we believe we have two types of projects: 1) Phase I projects – these can be built as soon as funding is available, and 2) Phase II projects – these require securing/negotiating an easement prior to any construction. Here is a status of each location:

1. US 17/92 @ SR 434 – There are some utility conflicts in the SE corner, but this is still considered a Phase I project. Estimated cost - \$300,000
2. US 17/92 @ Airport – There are various utility conflicts, but nothing we can't overcome. For this intersection, we wish to try a truss structure, which may require additional contract work above and beyond our signal push-button contract. The truss will add increased costs to this location, but it appears to be the only viable alternative. Assuming favorable contractual requirements in obtaining the truss, this is considered a Phase I project. Estimated cost - \$500,000
3. US 17/92 @ SR 417 – Right-of-way is tight on the west side, so a 10' by 10' easement will be required in the SW corner. We therefore consider this a Phase II project. We would ask for your assistance in approaching the property owner (the owner of the brick bail bonds building) to see their willingness to start negotiations for an easement. Attached is an aerial plan for this use. Estimated cost - \$200,000
4. US 17/92 @ 27th – Right-of-way is again tight on the west side, so a 10' by 10' easement will be required in the SW corner. We therefore consider this a Phase II project also. We would ask for your assistance in approaching the property owner (Taco Bell) to see their willingness to start negotiations for an easement. Attached is an aerial plan for this use. Estimated cost - \$200,000
5. US 17/92 @ Park Ave – There are some utility conflicts on the west side, but with some utility company cooperation, this should be a Phase I project. Estimated cost - \$200,000
6. US 17/92 @ 25th – There are existing easements in both the SW and NE corners. If title research determines we can place mast arms in these easements, this should be a Phase I project. Otherwise, we will need to acquire easements and this turns into a Phase II project. Estimated cost - \$200,000
7. US 17/92 @ 20th – Minor utility issues, but nothing we can't overcome. This should be a Phase I project. Estimated cost - \$200,000
8. US 17/92 @ 15th – Like at 25th, there are existing easements in both the SW and NE corners. If title research determines we can place mast arms in these easements, this should be a Phase I project. Otherwise, we will need to acquire easements and this turns into a Phase II project. Estimated cost - \$200,000

In addition to the costs noted above, we would also need about \$100,000 for construction engineering and inspection (CEI) services. This would bring the total for all 8 intersections to about \$2.1M, the same figure given last year. We would ask this funding be secured from the CRA for both Phase I projects (ready for construction this summer or fall) and Phase II projects (ready for construction this fall or winter, depending on easement negotiations). As to the required title research, we can utilize the County's existing contract #RFP-601792-13/BJC. Using this contract, the cost to research the 4 easements will be \$1,300. Please present this to the CRA Board as an immediate need project to further the construction at the 25th and 15th intersections.

Thank you and please contact me with any questions or for more information.

Charlie

Charles R. Wetzel, P.E., PTOE

County Traffic Engineer

Seminole County Public Works / Traffic Engineering

140 Bush Loop

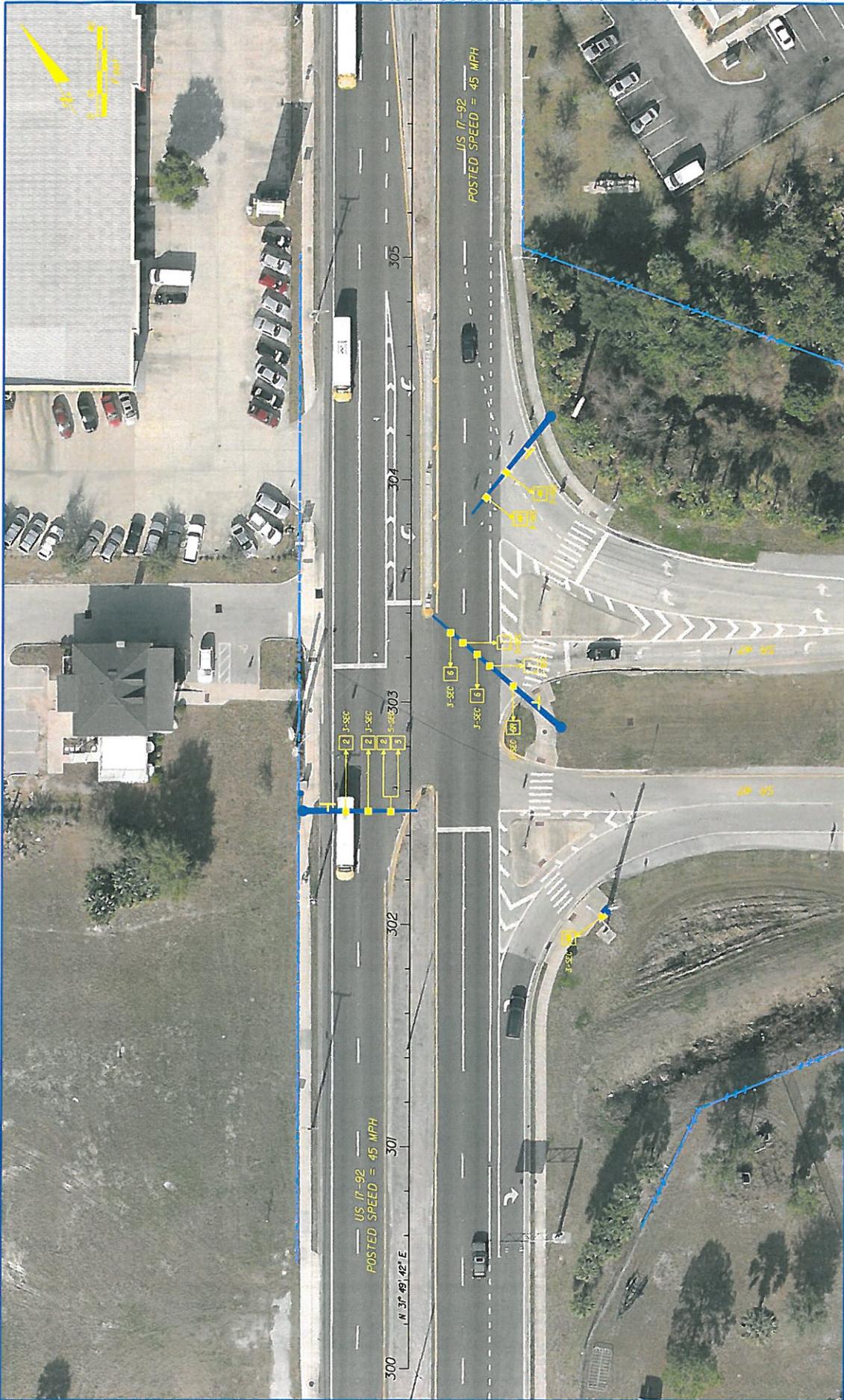
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DATE	BY	REVISIONS DESCRIPTION	ENGINEER OF RECORD: FURSAN S. MUNIED, P.E. PROFESSIONAL ENGINEER CERTIFICATE NO. 9446 PEGASUS ENGINEERING, LLC 301 WEST WINDY HILL DRIVE, SUITE 309 WINTER SPRINGS, FLORIDA 32789 CERTIFICATE OF AUTHORIZATION NO. 0770	SEMINOLE COUNTY ENGINEERING DIVISION ROAD NAME US 17-92	COUNTY CIP NO. 191671	SHEET NO. T-6
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**US 17-92 & SR 417
TRAFFIC MAST ARM CONVERSIONS
SIGNALIZATION PLAN SHEET**



pegasus-engineering.com \Projects\SIG215\11214\Signals\US 17-92 SR 417\PLAN\SIG215-TP-01

