

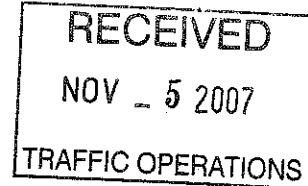
TPD

**Traffic Planning and Design, Inc.**

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October 30, 2007

Susanne Hertz, P.E.  
Florida Department of Transportation  
719 South Woodland Boulevard  
Deland, FL 32720



Re: Section 11110 – SR 44 at CR 44B – M.P. 3.170  
Lake County, Florida – Permit No Pending  
TPD No 3537

Dear Ms. Hertz:

We offer the following responses to Clipper Tefft's comments dated October 1, 2007 and Raul E. Artuz's comments dated October 11, 2007. Each comment is listed first in **bold** typeface and the corresponding response in regular typeface.

**Clipper Tefft's comments dated October 1, 2007:**

- 1. One set in both directions of the main line advanced loop distances are wrong.**

Response: Distances have been relabeled.

- 2. Move the proposed pull box for L-8 movement away from the edge of the pavement.**

Response: Pull box moved back to ROW.

- 3. Change the existing signal head displays to LED.**

Response: Existing red displays are LED. We now show the green and yellow bulbs as being replaced with LED.

- 4. Does the proposed road have a name?**

Response: The name is Lily Pond Drive. It has now been labeled and signed.

- 5. Show all the "F" loops 5' past the stop bar.**

Response: Done.

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**6. Show all signs existing and proposed.**

Response: Existing signs are now shown.

**7. What striping on the east side of the intersection is proposed and existing?**

Response: The entire east side is being milled and resurfaced. All striping here is proposed.

**8. Are the last two arrows in the westbound right turn lane according to standard index?**

Response: Arrow placements and WB striping have been corrected per the index.

**9. Are any of the lanes exiting the development lane drops?**

Response: There are no lane drops.

**Raul E. Artuz comments dated October 11, 2007:**

**T-3 & Calcs**

**1. Based on past history in District 5 and as per calculations on page 27, recommend increasing diameter of the catenary cable in all three spans to a 3/8" diameter.**

Response: All cables are now shown as 3/8".

**Lake County comments date October 11' 2007:**

**Sheet T-1 Tabulation of Quantities**

- **Please Change 600-1-101 to 660-1-109, 6 each**

Response: Item numbers & quantities changed.

- **Please Delete 660-1-102, 2 each**

Response: Removed.

**Sheet T-1 add the following verbiage to the general notes**

- **A generator pad, 3' x 3' x 4" concrete shall be installed.**

Response: Note added.

- **Grounding for the controller assembly shall measure 25 ohms or less.**

Response: Note added.

- **The cabinet door shall open away from the intersection when possible.**

Response: Note added.

- **LED internally illuminated street name signs shall be installed 1' below messenger cable, attached to the signal pole, powered by a separate circuit breaker, and be designed and in accordance with lake county public works internally illuminated street name sign detail.**

Response: LED Internally Illuminated Street Name Signs added along with this note.

- **Opticom preemption or equivalent shall be installed for the east and west approaches of SR 50, and shall include all equipment and timings to make fully operational and functional.**

Response: Per a conversation between myself and Denis Dietz, opticom preemption has been added for the NB approach only.

- **Signal heads shall be wired directly to the terminal blocks; the use of " Jones Plugs" shall be prohibited.**

Response: Note added.

- **Delete note number 18.**

Response: Deleted.

**Sheet T-2 Signalization Plans**

- **Please include correct placement of signal heads on plan.**

Response: Signal heads are shown as proposed. Signal head detail has been clarified.

- **Plans indicates 2 two way three section signal head for phases 6 and 8; while the signal head details illustrates 1 one way and 1 two way signal head, please make appropriate correction.**

Response: Signal head detail now shows only proposed signal head pairings.

- **Please revise controller timing chart to indicate each phase movement separately.**

Response: Timing chart revised.

- **Minimum timing on phase 2 and 6 should be 15 seconds.**

Response: Done.

- **Please complete loop detector box.**

Response: Added.

Please contact me if you have any further questions or comments. We will send signed and sealed copies upon plan approval.

Sincerely,

TRAFFIC PLANNING AND DESIGN, INC.

  
Daniel Folsom, PE