



Exhibit "B"



PUBLIC WORKS DEPARTMENT
TRAFFIC ENGINEERING DIVISION
2300 W. Commercial Boulevard • Fort Lauderdale, Florida 33309 • 954-847-2600

August 25, 2014

Mr. Mark Castano
Keith & Associates, Inc.
301 East Atlantic Blvd
Pompano Beach Florida 33060-6643

Re: **Martin Luther King Blvd/Hammondville Road Educational Corridor –
City of Pompano Beach - Roadway Improvements – July 2014 Submittal**
BCTED Reference # 130503060

Dear Mr. Castano:

Broward County Traffic Engineering Division has reviewed the above referenced plan and finds the communications/interconnect, school/pedestrian/traffic calming, and signal portions of the plan to be acceptable.

A copy of the Pavement Marking and Signing Inspection Procedure and a copy of the Maintenance of Traffic Procedure are attached for your information.

Reviewed by:

- Signal Design:** Rebecca Martinez @ 954-847-2619 or remartinez@broward.org
- Systems Communication:** Tim Miller @ 954-847-2761 or timiller@broward.org
(Copper only)
- Systems Communications:** Robert Blount @ 954-847-2745 or rblount@broward.org
(Fiber Optic only)
- Schools/Traffic Calming:** Stephon Ramoutar @ 954-847-2744 or sramoutar@broward.org

Please note that pavement marking and signing comments will be provided by the Broward County Highway Construction and Engineering Division.

You may call me at 954-847-2641, or contact me via E-Mail at sgross@broward.org, if you have any questions.

Sincerely,

SHARON GROSS

Attachment

130503060 July 2014 Submittal Accpt Ltr RM TM SR

MEMORANDUM

TO: Tim Miller, Systems Communications - *J.M. 8/18/14- Accepted*
Rebecca Martinez, Signal Design *Rem 8/12/14 Accepted*
Stephon Ramoutar, Schools/Pedestrians *SR 8/12/14 Accepted*

FROM: Sharon Gross

DATE: August 11, 2014

SUBJECT: **Martin Luther King Blvd/Hammondville Road Educational Corridor –
Powerline Road to Turnpike - City of Pompano Beach - Roadway
Improvement - July 2014 Submittal
BCTED Reference # 130503060**

Please check the resubmitted plan, to see if it meets with your approval. Initial and advise if the plan is acceptable. If there are comments please mark them on the plan and I will forward the comments to the Engineer for corrections.

Due date: August 15, 2014

Thank you.

RECEIVED

AUG 18 2014

**BROWARD COUNTY
TRAFFIC ENGINEERING DIVISION**

Gross, Sharon

From: Miller, Timothy
Sent: Monday, August 18, 2014 8:43 AM
To: Gross, Sharon
Subject: Plan Review (Martin Luther King - Hammondville Rd. Educational Corridor - from Florida's Turnpike to Powerline Rd. - City of Pompano Beach - Roadway Improvement - July 2014 Submittal - Modified PM&S Plan - BCTED # 130503060)

August 18, 2014

Sharon,

The above listed plan has been reviewed and it's acceptable.

Thank you



Tim Miller, Traffic Signal Technician III
Traffic Engineering Division
Systems Communication Section
2300 West Commercial Blvd. Tamarac, Fl. 33309
Mon -Thur. 6:00 am - 4:00 pm
(954) 847 - 2761
timiller@broward.org





PUBLIC WORKS DEPARTMENT
TRAFFIC ENGINEERING DIVISION

2300 W. Commercial Boulevard • Fort Lauderdale, Florida 33309 • 954-847-2600

Broward County Traffic Engineering Division
Pavement Marking and Signing Inspection Request Procedure

(Effective Date: October 1, 2009)

- 1) The Broward County Traffic Engineering Division (BCTED) limits inspections to final inspections only. Inspections are limited to work/projects in the public right-of-way or connections to the public right-of-way.
- 2) Traffic Engineering Division staff's contact for a project is the Engineer-of-Record (EOR) only. The EOR is expected to resolve any issues/questions raised by the pavement marking and signing Contractor(s) or Sub-Contractor(s).
- 3) It is the responsibility of the EOR to insure that the project is completed in conformance with the approved plan, prior to requesting a pavement marking and signing inspection. The EOR is to inspect the project and generate a punch list, as needed. The EOR will be responsible for making sure that the Contractor or Sub-Contractor correct the deficiencies listed in the punch list generated by the EOR.
- 4) After the EOR determines that the completed project conforms to the approved plans, the EOR shall take photographs to document the conformance. The photographs should be compared with the approved plans and be identified by station number. The photographs should show, but, not be limited to:
 - (a) RPM's - four-corner coverage, correct spacing and location.
 - (b) Signs – correct location, correct sign as shown on approved plan.
 - (c) Messages on Pavement – correct location, spelling and size.
 - (d) Arrows – correct location, shape and size, centered in lane.
 - (e) Edge Lines and Lane Lines – correct color and correct width.
 - (f) Stop Bar – correct location and width.
 - (g) Reflectivity of Thermoplastic markings – even distribution of glass beads.
- 5) After all deficiencies have been satisfactorily corrected, the EOR will be able to submit a final inspection/acceptance request to BCTED.
- 6) The EOR shall submit a written request for pavement marking and signing inspections to Sharon Gross. The complete inspection request shall include:
 - (a) A signed and sealed letter requesting the inspection and certifying that the

project conforms to the approved plans, and that the EOR has personally inspected the completed project for conformance with the approved plan.

- (b) Photographs which document that the completed project conforms to the approved plan.
- (c) Copies of the Broward County Certificate of Competency, issued by the Broward County Permitting, Licensing and Consumer Protection Division, for each contractor and/or sub-contractor that worked on the pavement marking and signing portion of the project.

7) Upon receipt of the certification letter and photographs, BCTED staff will examine the photographs within one week of receipt of a completed request. If a review of the photographs reveals deficiencies in the project, the EOR will be notified in writing by US Mail or by E-Mail, that the photographs indicate that the project is not ready for a final inspection. No field inspection will be performed and no punch list will be issued by BCTED. The EOR will be asked to repeat the certification and inspection request procedure, detailed in paragraphs 4 through 6, after the project deficiencies have been corrected.

8) If a BCTED staff review of the photographs does not show major deficiencies, a field inspection will be performed and the results will be provided to the EOR within four weeks of receipt of the completed certification package. If the project is accepted, an acceptance letter will be sent to the EOR, via US Mail. If, however, several deficiencies are identified during the field inspection, the inspection will be terminated and the EOR will be notified of the termination by US Mail or by E-mail. No punch list will be issued by BCTED. The Engineer-of-Record will be instructed to repeat the certification and inspection request procedure, detailed in paragraphs 4 through 6, after the project deficiencies have been corrected.

9) Items that will result in the termination of an inspection include, but are not limited to:

- (a) A lack of uniformity of glass bead coverage, at multiple locations.
- (b) A lack of reflectivity of the Thermoplastic markings, at multiple locations.
- (c) Incorrect application of materials, not in conformance with manufacturer's instructions.
- (d) Incorrect color or thickness of Thermoplastic markings.
- (e) Signs that are missing, incorrectly spelled, or that are not to current standards
- (f) A lack of four-corner coverage on multiple RPM's.



PUBLIC WORKS DEPARTMENT

TRAFFIC ENGINEERING DIVISION

2300 W. Commercial Boulevard • Fort Lauderdale, Florida 33309 • 954-847-2600 • FAX 954-847-2700

MEMORANDUM

TO: Maintenance of Traffic (MOT) Applicants

FROM: Maj Shakib
Engineer II

DATE: May 6, 2008

SUBJECT: MOT Application Procedure

In an effort to facilitate and expedite Broward County's MOT review/approval process, please review the attached MOT Instructions/Requirements documents and complete the attached MOT Application Form.

Effective October 1, 2007, the Broward County Traffic Engineering Division (BCTED), has implemented new submittal procedures to include the approved MOT Application Form and the items listed in the MOT Instructions/Requirements.

All submitted materials shall be legible. Therefore, it is recommended all facsimile transmittals be made from original documents.

Should you have any questions regarding these procedures, please call the MOT Hotline at (954) 847-2670.

Attachments:

1. "Maintenance of Traffic Instructions/Requirements" (Page 1)
2. "Maintenance of Traffic Application Form" (Page 2)

G:\STUDIES\MOT\Mot_Letters\MOT Application Form 09-23-10.doc



Broward County Board of County Commissioners
www.broward.org

Maintenance of Traffic (MOT) Instructions/Requirements

An approved MOT Plan from the Broward County Traffic Engineering Division (BCTED) shall be required when work is being performed within Broward County Right of Way regardless of whether a permit is required. The approved MOT Plan shall be on site prior to and during the entire operation. Ensure the Certified Worksite Traffic Supervisor is present to direct the initial setup of the traffic control plan, is available on a 24-hour basis, participates in all changes to traffic control and reviews the project on a daily basis. An MOT plan shall conform to, unless otherwise noted in the Broward County Minimum Standards, the latest editions of the Florida Department of Transportation (FDOT) Design Standards 600 Series and the Manual on Uniform Traffic Control Devices (MUTCD). An approved MOT Plan and a copy of the permit, if issued, must be on site at all times. The MOT is valid for the duration of the permit or completion of the project, whichever comes first. Once the MOT is approved by the BCTED, the permittee shall be solely responsible for the installation and maintenance of the approved work zone traffic control devices throughout the length of the project.

Application Process for an MOT Plan:

- Include an MOT Application Form.
- Include a location map for the project.
- Submit an applicable FDOT Design Standard Index from the 600 Series and/or a Typical Application figure from the MUTCD which represents the roadway characteristics and project conditions.
For example:
 - If the project involves the closure of a sidewalk, include a sidewalk closure index.
 - If the project does not impede a lane but is within the right of way, include the appropriate index for work off the road.
 - If the project requires a lane shift, include a lane shift index.
- A sketch should accompany the submittals for a condition that is non-typical. Include taper lengths, shift lengths, shift widths, sign spacing, barricade or cone spacing, pavement markings, removal of pavement markings, nearby signal locations, etc..
- Indexes, Typical Applications or sketches shall have the roadways identified by name and show a north arrow.
- Applications shall include a current FDOT-approved certification for Worksite Traffic Supervisor. If you are submitting an MOT Plan with an FDOT Design Standards 600 Series Index or a Typical Application figure from the MUTCD, an Intermediate Level Certification Card will be required; if a sketch is submitted with the standard index, an Advanced Level Certification Card will be required. The certification card is required to contain the student's name, instructor's name, course provider, course category (Advance: BT-05-0079 or Intermediate: BT-05-0078), date course was successfully completed and date when training or refresher course is required.
- The FDOT Standard Index has notes in small print included on them. When sending these indexes, ensure the notes are legible.
- The MOT Plan must cover all phases of construction.
- If the project includes a sign-off sheet, it must be labeled with the project's name and/or location of the project.
- The approval of an MOT application may require up to (2) weeks from the time that all required documents as stated above are received at the Traffic Engineering Division. Any rejected MOT submittal that is corrected and sent back to BCTED will be considered a new submittal, which may require up to two (2) additional weeks to approve. Additional time may be needed for more complex plans or plans requiring additional coordination/information.

Maintenance of Traffic Application Form

Date _____ Broward County Permit Number (if required) _____ - _____ - _____

Contractor _____ Address _____

City _____ State _____ Zip _____ Office # _____

Mobile # _____ Fax # _____

Full name and number of 24 hr contact person _____

Name of Contractors working under this approval: _____

Location of Project: _____ City: _____

Project Boundaries, From _____ To _____

Description of Work: _____

Proposed Start Date: _____ Proposed Completion Date: _____

Authorized Contractor's Representative

(Print Name) (Signature) (Date)

A copy of the certification card(s) shall be included with every MOT Plan

(Print Name of Certified Person Submitting MOT) (Level) (Signature) (Date)

(Print Name of Certified Person Setting Up MOT) (Level) (Signature) (Date)

(Print Name of Certified Person Maintaining MOT) (Level) (Signature) (Date)

(Print Name of Certified Person in Charge of Flagging Operation MOT) (Level) (Signature) (Date)

The following will be required when signal equipment is affected

Certified Signal Contractor's Name _____

Certified Signal Contractor's Phone # _____

August 5, 2014

Ms. Sharon Gross
Broward County Traffic Engineering Division
2300 W. Commercial Blvd.
Fort Lauderdale, Florida 33309

**RE: Martin Luther King Blvd. (Hammondville Rd.) Educational Corridor – Roadway Improvements
(Section 33, Township 48S, Range 42E).BCTED – PMS & Non-PMS Plan Review
BCTED Ref. # 130503060
Keith & Associates, Inc. Project No. 07470.50**

Dear Ms. Gross:

Pursuant to comments dated July 23, 2014, Keith & Associates, Inc. (Project Engineer) on behalf of the City of Pompano Beach and the Pompano Beach CRA would like to offer the following responses:

NON-PMS COMMENTS/RESPONSES:

Systems Communications: Tim Miller (954) 847-2761

Comment #1: BCTED's copper communications infrastructure is not labeled.

Response: As requested existing (to remain) signalization infrastructure (signal mast arms, controller cabinets, etc.) are labeled on the plans. In accordance with the latest BCTED Signal Communication Map within the project limits there is a copper interconnect cable along the north side of the bridge along MLK Blvd. over the Turnpike. This copper interconnect cable has been labeled as "BCTEDCO" as requested. BCTED's Signal Communication Map also identifies a copper interconnect cable along the west side of Powerline Road at the intersection with MLK Boulevard. This copper interconnect cable has been labeled as "BCTEDCO" as requested. No BCTED fiber-optic interconnect cables (BCTEDFO) or street lights (BCTED S/L) were identified on the map. Per previous utility coordination/designation signal cables (BCTED) were identified at the signalized intersections.

Comment #2: BCTED's communication notes need to be updated; please use the latest version (3/4/2014).

Response: As requested, the latest BCTED Communication Notes (3/4/2014) have been added to the plans. Refer to Sheet C-1.

Schools and Traffic Calming: Linda Laskin (954) 847-2761

No comments.

Street Lights: N/A

Signal Design: Rebecca Martinez (954) 847-2619

Comment #1: Add BCTED's Signalization General and Pay Item Notes per latest version (5/28/2014).

Response: As requested and pursuant to conversation with Rebecca Martinez (BCTED), K&A added the latest BCTED Signalization General and Pay Item Notes (5/28/2014) to the plans. Refer to Sheet C-28A.

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AUG 08 2014

BROWARD COUNTY
TRAFFIC ENGINEERING DIVISION

PMS COMMENTS/RESPONSES:

PM&S Comments: David Zeller (954) 577-4588

General All PMS Sheets:

Comment #1: Revise/Correct Match Line Sheet numbering.

Response: Revised PMS plans as requested.

Comment #2: "By Others" label on some of the signage/stripping is not acceptable. This project must include all necessary signing and marking revisions.

Response: In accordance with previous meeting(s) with FDOT LAP Coordinator and other staff it was discussed that FDOT requires no work outside of the right-of-way to be included on the plans. However, during the meeting(s) it was explained that since the standard for placement of stop signs and stop bars is 4-ft behind the projected sidewalk some of the stop signs and stop bars would need to be adjusted and located slightly outside the right-of-way. During the meeting FDOT indicated that all required new pavement markings and signage outside the right-of-way (within private driveways) will need to be labeled "By Others".

Based on subsequent communications with BCTED and City, the labels on the plans were revised to read "By City Forces". This should provide BCTED confirmation that the installation of ALL signs and stripping as shown on the plans will be coordinated and completed as part of the overall project. These same plans have been submitted to FDOT for their review as well.

Comment #3: Add label "BICYCLE SYMBOL PER FDOT INDEX 17347 (TYP.)" where bicycle markings are required.

Response: Plan revised as requested.

Sheet C-14:

Comment #1: Add 6" solid white around curb radii on SE corner of intersection.

Response: Plan revised as requested.

Comment #2: Add "Keep Right" sign w/ OM1-3 sign on the median facing E/B traffic.

Response: Plan revised as requested.

Comment #3: Revise "Ahead" sign plate dimension.

Response: Plan revised as requested.

Comment #4: Revise 8" solid white to 6" adjacent to turn lane.

Response: Plan revised as requested.

Sheet C-15:

Comment #1: Restriping and signage adjustment at intersection between MLK Blvd. and Blount Road in accordance with mark-ups provided.

Response: Revised striping and signage as requested per mark-ups provided.

Comment #2: Add westbound D3-2 Advance Street Name sign at sta. 26+00 ("Blount Rd. Next Right" _____ "Turnpike Second Right")

Response: Sign Added as requested. Refer to Sheet C-16.

Comment #3: Add additional "One Way" and "Right Turn Only" signs for driveways.

Response: Revised as requested.

Sheet C-16

Comment #1: Add westbound D3-2 Advance Street Name sign at sta. 26+00 ("Blount Rd. Next Right" _____ "Turnpike Second Right")

Response: Sign Added as requested.

Comment #2: Add additional "One Way" and "Right Turn Only" signs for driveways.

Response: Revised as requested.

Comment #3: Revise 8" solid white to 6" adjacent to turn lane.

Response: Plan revised as requested.

Comment #4: Add 6" solid white around curb radii on SE and SW corner of intersection between MLK Blvd. and NW 27th Ave.

Response: Plan revised as requested.

Sheet C-17

Comment #1: Add additional "One Way" and "Right Turn Only" signs for driveways.

Response: Revised as requested.

Comment #2: Revise 8" solid white to 6" adjacent to turn lane.

Response: Plan revised as requested.

Comment #3: Add 6" double yellow w/ 18" solid yellow w/ Y/Y RPMs @ 10' O.C. (Typ.).

Response: Plan revised as requested.

Comment #4: Add "Speed Limit" sign plate dimension (24"X30").

Response: Plan revised as requested.

Comment #5: Remove directional arrows on the westbound direction entrances for the right and turn lanes.

Response: Plan revised as requested.

Sheet C-18

Comment #1: Add additional "One Way" and "Right Turn Only" signs for driveways.

Response: Revised as requested.

Comment #2: Revise 8" solid white to 6" adjacent to turn lane.

Response: Plan revised as requested.

Comment #3: Add 6" double yellow w/ 18" solid yellow w/ Y/Y RPMs @ 10' O.C. (Typ.).

Response: Plan revised as requested.

Comment #4: Add Directional Arrow S/B on NW 24th Ave.

Response: Plan revised as requested.

Sheet C-19

Comment #1: Add additional "One Way" and "Right Turn Only" signs for driveways.

Response: Revised as requested.

Comment #2: Revise 8" solid white to 6" adjacent to turn lane.

Response: Plan revised as requested.

Comment #3: Add 6" double yellow w/ 18" solid yellow w/ Y/Y RPMs @ 10' O.C. (Typ.).

Response: Plan revised as requested.

Comment #4: Add "Speed Limit" sign plate dimension (24"X30").

Response: Plan revised as requested.

Comment #5: Revise "Ahead" sign plate dimension.

Response: Plan revised as requested.

Comment #6: Add 6" solid white along edge of existing E/B right turn lane approaching Powerline Road.

Response: Plan revised as requested.

Comment #7: Add M2-1 "JCT" sign (21"x15") with FTP-17-06 "845" sign (30"x24") on the approach to Powerline Road.

Response: Plan revised as requested.

Comment #8: Correct Powerline Road numbering to S.R. 845.

Response: Plan revised as requested.

For your review included is one (1) revised set of roadway engineering plans for the above referenced project as requested. A separate set of the revised plans has been submitted to Mr. David Zeller in response to his PMS comments. We thank you for your prompt attention in this matter. If you have any questions or require additional information please do not hesitate to call us.

Sincerely,

KEITH & ASSOCIATES, INC.
Consulting Engineers



Mark Castano
Engineering manager

cc: Traci Scheppske/James Thiele – K&A
Horacio Danovich – CRA
David Zeller – BCHCED (w/ enclosures)