

**Coral Springs  
Improvement District**

**Agenda**

**February 22, 2016**



## **Coral Springs Improvement District**

February 16, 2016

**Board of Supervisors  
Coral Springs Improvement District**

**Dear Board Members:**

The regular meeting of the Board of Supervisors of the Coral Springs Improvement District will be held on February 22, 2016 at 4:00 p.m. at the District Offices, 10300 NW 11<sup>th</sup> Manor, Coral Springs, Florida. Following is the advance agenda for the meeting.

1. Roll Call
2. Approval of the Minutes of the January 25, 2016 Meeting
3. Audience Comments
4. Tabled Items
  - A. Consideration of Right-of-Way Permit for FPL to Install Underground Facilities under CSID Canal (Tabled Item)
5. Consideration of Analytica Consulting Group, LLC Proposal for Consulting Services
6. Consideration of Bids for Wastewater Tank Cleaning (Placeholder)
7. Consideration of Work Authorization #112 for Site 9 Canal Bank Assessment Stabilization Design in the Amount of \$48,485
8. Staff Reports
  - A. Manager – Ken Cassel
    - Proposal from MBS Capital Markets, LLC for Refunding of Series 2007 Bonds
    - Consideration of Resolution 2016-3, Setting Fees for Emergency Repairs
  - B. Engineer – Troy Lyn (Report Included)
    - Discussion of Site 1A Contractor Proposals
  - C. Department Reports
    - Operations – Dan Daly
      - Utility Billing Work Orders
    - Utilities Update (David McIntosh)
    - Water – Joe Stephens (Report Included)
    - Wastewater – Tim Martin (Report Included)
    - Stormwater – Randy Frederick (Report Included)
    - Field – Curt Dwiggin (Report Included)
    - Human Resources – Jan Zilmer
    - Motion to Accept Department Reports
  - D. Attorney

- 9. Approval of Financial Statements for January 2016
- 10. Supervisors' Requests
- 11. Adjournment

Any supporting documents not included in the agenda package will be distributed at the meeting. If you have any questions prior to the meeting, please contact me.

Sincerely,



**Kenneth Cassel/sd**  
**District Manager**

**cc: Stephen Bloom**  
**William Capko**  
**Dan Daly**  
**David McIntosh**  
**Tim Martin**

**Randy Frederick**  
**Troy Lyn**  
**John McKune**  
**Diane Rottner**  
**Curt Dwiggin**

**Kay Holmes**  
**Beverley Servé**  
**Joe Stephens**  
**Shawn Frankenhauser**  
**Jan Zilmer**

# MINUTES



**MINUTES OF MEETING  
CORAL SPRINGS IMPROVEMENT DISTRICT**

A regular meeting of the Board of Supervisors of the Coral Springs Improvement District was held on Monday, January 25, 2016 at 4:00 p.m. at the District Office, 10300 NW 11<sup>th</sup> Manor, Coral Springs, Florida.

Present and constituting a quorum were:

Martin Shank	President
Duane Holland	Vice President
Nick St. Cavish	Secretary

Also present were:

Kenneth Cassel	District Manager
Andrew Bauman	District Counsel
Dan Daly	Director of Operations
Troy Lyn	District Engineer
David McIntosh	Director of Utilities
Kay Holmes	District Accountant
Joe Stephens	Water Department
Curt Dwiggin	Field Superintendent
Tim Martin	Wastewater Department
Randy Frederick	Drainage Department
Jan Zilmer	Human Resources
Rick Olsen	Globaltech
John McKune	Consultant
James Barton	GIS Associates
Mark Grace	Keefe, McCullough and Associates

*The following is a summary of the minutes and actions taken during the January 25, 2016 CSID Board of Supervisors Meeting.*

**FIRST ORDER OF BUSINESS**

**Roll Call**

Mr. Cassel called the meeting to order and called the roll.

**SECOND ORDER OF BUSINESS**

**Approval of the Minutes of the December 21, 2015 Meeting**

Mr. Shank stated each Board member received a copy of the minutes of the December 21, 2015 meeting and requested any corrections, additions or deletions.

Mr. St. Cavish noted the third and fourth order of businesses are reversed. The reason for this is because the Board moved on to the fourth order of business in order to give Mr. Aiken time to find documents for his presentation.

On MOTION by Mr. Holland seconded by Mr. St. Cavish with all in favor the minutes of the December 21, 2015 meeting were approved.

**THIRD ORDER OF BUSINESS**

**Audience Comments**

There being none, the next item followed.

**FOURTH ORDER OF BUSINESS**

**Public Hearing on Proposed Rates and Fees for Emergency Repairs Billed to Outside Contractors/Companies that Damage District Infrastructure**

Mr. Daly explained the District does not have an adopted rate structure for emergency repairs caused by accidents from outside companies working within the District. The proposed rate structure is as follows:

- Labor rate per employee - \$45 per hour.
- Afterhours (overtime) labor rate per employee - \$67.50 per hour.
- Use of backhoe equipment, including operator - \$130 per hour.
- Afterhours (overtime) use of backhoe equipment - \$152.50 per hour.
- Charge for sewer line cleaning machine - \$65 per hour.

Mr. Shank opened the public hearing. There being no comments from the public, the public hearing was closed.

On MOTION by Mr. St. Cavish seconded by Mr. Holland with all in favor the rates and fees for emergency repairs billed to outside contractors/companies for damaged District infrastructure were adopted as presented.

**FIFTH ORDER OF BUSINESS**

**Presentation by James Barton on GIS Program**

Mr. Barton provided an update on the GIS program and mapping process. They will be training Mr. Dwiggins on the system. Discussion ensued on what the Board and staff want included in the GIS map.

January 25, 2016

Coral Springs Improvement District

**SIXTH ORDER OF BUSINESS**

**Presentation and Acceptance of the Fiscal Year 2015 Financial Audit**

Mr. Grace provided an overview and answered questions regarding the financial audit for Fiscal Year 2015.

On MOTION by Mr. Holland seconded by Mr. St. Cavish with all in favor the financial audit for Fiscal Year 2015 was accepted.

**SEVENTH ORDER OF BUSINESS**

**Consideration of Piggyback on Membrane Chemical Cleaning contract with American Water Chemicals and Palm Beach County**

Mr. Stephens explained the District has piggybacked off the County contract in the past and the contract is now up for renewal. The price has not increased.

On MOTION by Mr. St. Cavish seconded by Mr. Holland with all in favor renewing the contract with American Water Chemicals, piggybacking off Palm Beach County, was approved.

**EIGHTH ORDER OF BUSINESS**

**Consideration of Piggyback off Broward County Bid #Y1227120Q1**

Mr. Frederick explained this is for the purchase of Triploid Grass Carp for vegetation control in the canals.

On MOTION by Mr. St. Cavish seconded by Mr. Holland with all in favor purchasing Triploid Grass Carp from Florida Fish Farms, Inc., piggybacking off of Broward County Bid #Y1227120Q1, was approved.

**NINTH ORDER OF BUSINESS**

**Award of Contract for Valve Exercise and Assessment Program**

Mr. Dwiggins reviewed the bid tabulation. Madsen/Barr Corporation had the lowest bid at \$28,347.25.

On MOTION by Mr. St. Cavish seconded by Mr. Holland with all in favor the contract for valve exercise and assessment program was awarded to Madsen/Barr Corporation at a total cost of \$28,347.25.

**TENTH ORDER OF BUSINESS**

**Consideration of Work Authorizations**

**A. Work Authorization #109 for WWTP Blower Study for a Total Cost of \$20,390**

Mr. Martin reviewed the work associated with Work Authorization #109.

Mr. Shank questioned whether it was better to put this money towards a new blower.

Mr. McIntosh explained a new blower costs approximately \$60,000. Due to the intricacies with how the blowers are set up, it is better to have a study to determine the most efficient option.

On MOTION by Mr. Holland seconded by Mr. St. Cavish with Mr. Holland and Mr. St. Cavish voting aye and Mr. Shank voting nay, Work Authorization #109 for the WWTP blower study was approved at a total cost of \$20,390.

**B. Work Authorization #110 for Degasifier Cleaning Pump for a Total Cost of \$68,627**

Mr. Martin reviewed the work associated with Work Authorization #110.

On MOTION by Mr. St. Cavish seconded by Mr. Holland with all in favor Work Authorization #110 for the degasifier cleaning pump was approved at a total cost of \$68,627.

**C. Work Authorization #111 for Train 3 Flow Meter Repair for a Total Cost of \$2,229**

The Board reviewed Work Authorization #111 for Train 3 flow meter repair, which was installed incorrectly. Mr. Cassel requested all the details so District Counsel can send a demand letter to CH2M Hill and Lanzo over latent defects.

On MOTION by Mr. Holland seconded by Mr. St. Cavish with all in favor Work Authorization #111 for Train 3 flow meter repair was approved at a total cost of \$2,229.

**ELEVENTH ORDER OF BUSINESS**

**Consideration of Sponsorship of the Broward County Waterway Cleanup**

The Board discussed sponsorship and participation in the Broward County Waterway Cleanup event.

On MOTION by Mr. St. Cavish seconded by Mr. Holland with all in favor an amount of \$500 was approved to sponsor the Broward County Waterway Cleanup.

**TWELFTH OF ORDER OF BUSINESS**

**Consideration of Right-of-Way Permit for FPL to Install Underground Facilities under CSID Canal**

This item was tabled.

**THIRTEENTH ORDER OF BUSINESS**

**Staff Reports**

**A. Manager – Ken Cassel**

Mr. Cassel reported he met with the Ms. Jennifer Bramley, Deputy City Manager, to discuss the issues addressed in his letter to Mr. Donmez.

**B. Engineer – Troy Lyn (Report Included)**

Mr. Lyn reviewed the Project Status Report, a copy of which is attached hereto and made a part of the public record.

Mr. Olsen provided the Board with information he is working on for the upcoming canal bank restoration project for Site 1A.

**C. Department Reports**

- **Operations – Dan Daly**
  - **Utility Billing Work Orders**

This item is for informational purposes only.

- **Utilities Update (David McIntosh)**

There being nothing additional to report, the next item followed.

- **Water – Joe Stephens (Report Included)**

A copy of the report was included in the agenda package and is attached hereto as part of the public record.

- **Wastewater – Tim Martin (Report Included)**

A copy of the report was included in the agenda package and is attached hereto as part of the public record.

- **Stormwater – Randy Frederick (Report Included)**

A copy of the report was included in the agenda package and is attached hereto as part of the public record.

- One of the residents at West 84<sup>th</sup> Way is complaining about canal bank erosion. It was originally identified as number nine on the priority list. The fence behind his property is at the waterline and almost in the canal.
- Mr. Olsen needs to gather information before he can determine a solution.

- **Field – Curt Dwiggin (Report Included)**

A copy of the report was included in the agenda package and is attached hereto as part of the public record.

- **Human Resources – Jan Zilmer**

Mr. Zilmer reported the following:

- Nationwide Insurance will be at the District offices tomorrow to speak with staff about annuities. There will be three separate meetings: 9:00 a.m., 10:30 a.m. and 1:30 p.m.
- The Company Picnic will be April 16, 2016 at Quiet Waters Park.

- **Motion to Accept Department Reports**

On MOTION by Mr. St. Cavish seconded by Mr. Holland with all in favor the department reports were accepted.

**D. Attorney**

Mr. Bauman reported the City Attorney sent an email agreeing to settle the pending lawsuit and refund the wrongfully collected tax money to the District.

On MOTION by Mr. St. Cavish seconded by Mr. Shank with all in favor, Mr. Shank was authorized to execute any necessary documents associated with this settlement.

**FOURTEENTH ORDER OF BUSINESS**

**Approval of Financial Statements for December 2015**

The Board reviewed the financials.

On MOTION by Mr. St. Cavish seconded by Mr. Holland with all in favor the financials were approved.

**FIFTEENTH ORDER OF BUSINESS**

**Supervisors' Request**

Mr. Shank and Mr. St. Cavish asked if the water can be tested for PFOA. Mr. McIntosh responded he can check with the lab once he has the chemical constituents.

January 25, 2016

Coral Springs Improvement District

**SIXTEENTH ORDER OF BUSINESS**

**Adjournment**

There being no further business,

On MOTION by Mr. Holland seconded by Mr. St. Cavish with all in favor the meeting was adjourned.

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Kenneth Cassel  
Assistant Secretary

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Martin Shank  
President

## **Fourth Order of Business**



**4A.**

# APPLICATION FOR PERMIT

<b>TO: BOARD OF SUPERVISORS</b> <b>CORAL SPRINGS IMPROVEMENT DISTRICT</b> <b>10300 N.W. 11th Manor</b> <b>Coral Springs, FL 33071</b>	<b>PERMIT TYPE:</b> (Check one or both) <input checked="" type="checkbox"/> <b>RIGHT-OF-WAY</b> <input type="checkbox"/> <b>SURFACE WATER MANAGEMENT</b>
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1.	PROPOSED USE OF DISTRICT FACILITY: <u>INSTALL FPL UNDERGROUND FACILITIES</u> <u>CITY'S CONTRACTOR INSTALLED 1-6" FPL HDPE CONDUITS</u>						
2.	LOCATION OF WORK: <u>ALONG CORAL RIDGE DR, BETWEEN LAKEVIEW DR AND</u> <u>NW 19<sup>TH</sup> DR</u> <u>FPL PROJECT WR# 6130238</u>						
	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; border: none;">Subdivision</td> <td style="width: 33%; border: none;">Lot No.</td> <td style="width: 33%; border: none;">Block No.</td> </tr> <tr> <td style="border: none;">Section: <u>29</u></td> <td style="border: none;">Township: <u>48</u></td> <td style="border: none;">Range: <u>41</u></td> </tr> </table>	Subdivision	Lot No.	Block No.	Section: <u>29</u>	Township: <u>48</u>	Range: <u>41</u>
Subdivision	Lot No.	Block No.					
Section: <u>29</u>	Township: <u>48</u>	Range: <u>41</u>					
3.	DISTRICT WORKS INVOLVED IN PROOSSED CONSTRUCTION OR USE: <u>NO</u>						
4.	NAME, ADDRESS, PHONE AND FAX OF OWNER OF PROPOSED WORK OR STRUCTURE: <u>FLORIDA POWER AND LIGHT COMPANY ATTN: MICHELLE BLOUNT PERMIT COORD.</u> <u>EMP/AOB - 7200 NW 4<sup>TH</sup> ST PLANTATION FL 33317</u> <u>TEL: 954-321-2236 FAX: 954-321-2041</u>						
5.	NAME, ADDRESS, PHONE AND FAX OF APPLICANT OTHER THAN OWNER (If any): <u>N/A</u>						
6.	AREA PROPOSED TO BE SERVED: (Give property description sufficient for identification, including size in acres, and <b>attaching survey or property sketch</b> ). <u>PLEASE REFFER TO ATTACHED PERMIT DRAWINGS FOR DETAILS</u>						
7.	This application, including sketches, drawings or plans and specifications attached, contains a full and complete description of the work proposed or use desired of the above described facilities of the District and for which permit is herewith applied. It shall be part of any permit that may be issued. It is agreed that all work or the use of the District's facilities involved will be in accordance with the permit to be granted and with the Permit Criteria Manual heretofore adopted by the District, which have been examined and are understood by the applicant and as the same may be hereafter from time to time amended, changed or revised and which (it is further understood) shall be incorporated in reference as a part of any permit which may be granted.						

**STANDARD CONDITIONS ARE AS FOLLOWS:**

1. In the event the DISTRICT wishes to obtain the ingress or egress to its property, easement or right of way affected by the permit issued pursuant to this application for any lawful District purpose, including but not limited to maintenance of any lake, canal or related water management infrastructure, the removal, demolition and reconstruction, if any, of the proposed work or structure permitted hereunder shall be at the sole expense of the owner or the owner's successors or assigns.
2. PERMITTEE, by acceptance of the permit, covenants and agrees that the DISTRICT, District Managers, district consultants and its successors shall be promptly indemnified, defended, protected, exonerated, and saved harmless by the Permittee from and against all expenses, liabilities, claims, demands, and proceedings incurred by or imposed on said District in connection with any claim, proceeding, demand, administrative hearing, suit, appellate proceeding, or other activity; including unfounded or "nuisance" claims, in which the District may become involved, or any settlement thereof, arising out of any operations under this permit, including use of canal water for irrigation purposes, damage to landscaping, paint damage to automobiles, buildings, or other structures, and any property damage or personal injuries, fatal or non-fatal, of any kind or character.
3. PERMITTEE agrees that during the course of construction, prior to obtaining a Certificate of Occupancy on any structure constructed thereon, no builder debris will be placed into the waterways of the District.

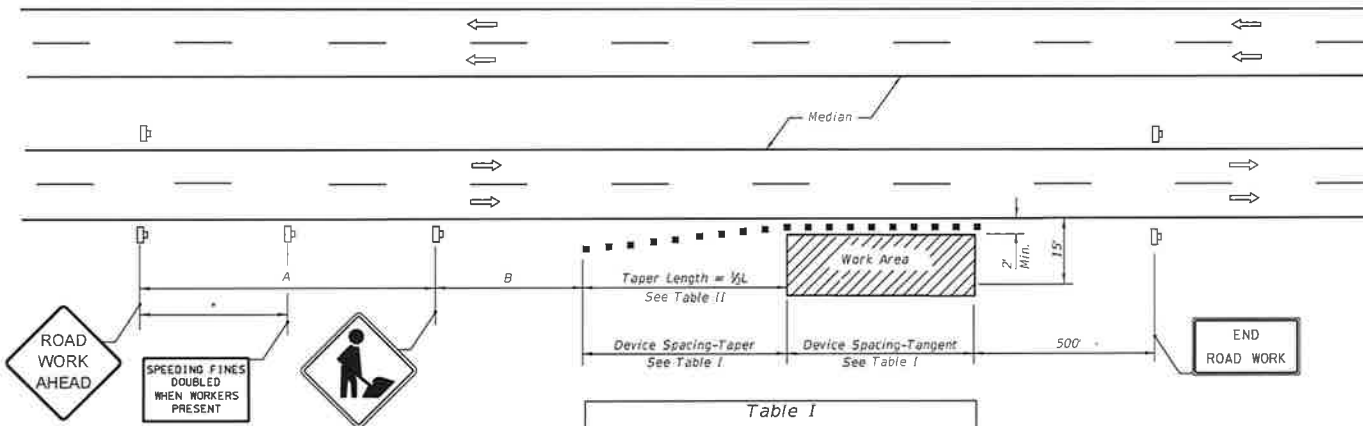
For this purpose PERMITTEE has submitted a check in the amount of Two-Thousand Five Hundred Dollars (\$2,500.00) which PERMITTEE agrees to forfeit if debris is found to have been placed into the District's waterways; said determination to be at the sole discretion of the District and is acknowledged by PERMITTEE to represent both actual and punitive damages for violating the provisions of this permit and, further, the provisions of Chapter 298, Florida Statutes.

If constructions of the facilities called for in this permit have not been completed, an additional Two Thousand Five Hundred Dollars (\$2,500.00) will be submitted by PERMITTEE to cover future occurrences of discharging builder debris into the District's waterways.

4. The applicant shall submit, in accordance with the policies of the District's "Stormwater Inspection Reports" every five years from the date of permit issuance, and shall comply with all re-inspection procedures required under the District's policies.

**SPECIAL CONDITIONS WILL BE ADDED WHEN APPLICABLE:**

<p>BOARD OF SUPERVISORS Reviewed and approved by Board meeting held</p>	<p>Submitted this _____ day of _____, 20</p> <p>Company and/or Owner: <u>Florida Power &amp; Light</u></p> <p>By: <u>Engineering &amp; Project Management</u></p> <p>Name: <u>Michelle Blount</u></p> <p>Title: <u>Permit Coordinator</u></p>
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Speed	Spacing (ft.)	
	A	B
40 mph or less	200	200
45 mph	350	350
50 mph or greater	500	500

\* 250' beyond the ROAD WORK AHEAD sign or midway between signs whichever is less.

Speed (mph)	Max. Distance Between Devices (ft.)			
	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50
50 to 70	25	50	50	100

Speed (mph)	1/2 L (ft.)			Notes
	8' Shldr.	10' Shldr.	12' Shldr.	
25	28	35	42	L = $\frac{W \cdot S^2}{60}$
30	40	50	60	
35	55	68	82	
40	72	90	107	
45	120	150	180	L = WS
50	133	167	200	
55	147	183	220	
60	160	200	240	
65	173	217	260	
70	187	233	280	

8' minimum shoulder width.

1/2 L = Length of shoulder taper in feet

W = Width of total shoulder in feet (combined paved and unpaved width)

S = Posted speed limit (mph)

**SYMBOLS**

- Work Area
- Channelizing Device (See Index No. 600)
- Work Zone Sign
- Lane Identification + Direction of Traffic

**GENERAL NOTES**

- When a high volume of work vehicles are entering and leaving the Work Area at speeds slower than 10 MPH below the posted speed, place an MOT-5-06 sign in the ROAD WORK AHEAD sign location and shift the ROAD WORK AHEAD sign upstream 500 ft.
- This TCZ plan also applies to work performed in the median more than Z but less than 15' from the edge of travelway.
- When work is being performed on a multilane undivided roadway the signs normally mounted in the median (as shown) shall be omitted.
- WORKERS signs to be removed or fully covered when no work is being performed.
- SHOULDER WORK sign may be used as an alternate to the WORKER symbol sign.
- When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed in accordance with other applicable TCZ Indexes.
- For general TCZ requirements and additional information, refer to Index No. 600.

**DURATION NOTES**

- Signs and channelizing devices may be omitted if all of the following conditions are met:
  - Work operations are 60 minutes or less.
  - Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.

**CONDITIONS**

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH THE AREA CLOSER THAN 15' BUT NOT CLOSER THAN 2' TO THE EDGE OF TRAVEL WAY.

6/16/2015 10:50:21 AM

LAST REVISION 07/01/15	REVISION	DESCRIPTION:		2016 DESIGN STANDARDS	MULTILANE, WORK ON SHOULDER	INDEX NO. 612	SHEET NO. 1 of 1
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**GENERAL NOTES**

1. Work operations shall be confined to either one lane, or lane combinations as follows:
  - a. Outside travel lane;
  - b. Outside auxiliary lane;
  - c. Outside travel lane and adjoining auxiliary lane;
  - d. Inside travel lane  $\Delta$ ;
  - e. Inside auxiliary lane  $\Delta$ ;
  - f. Inside travel lane and adjoining auxiliary lane  $\Delta$ .

$\Delta$  See Sheet 3

If the work area is confined to an auxiliary lane the work area shall be barricaded and the RIGHT (LEFT) LANE CLOSED AHEAD signs replaced by ROAD WORK AHEAD signs, and the merge symbol signs eliminated.
2. When vehicles in a parking zone block the line of sight to TCZ signs, the signs shall be post mounted and located in accordance with Index No. 17302.
3. If the work space extends across a crosswalk, the crosswalk should be closed using the information in Index No. 660.
4. Signs are required on the median side for divided highways.
5. The two channelizing devices directly in front and directly at the end of the work area may be omitted provided vehicles in the work area have high-intensity rotating, flashing, oscillating, or strobe lights operating.
6. For general TCZ requirements and additional information, refer to Index No. 600.


**DURATION NOTES**

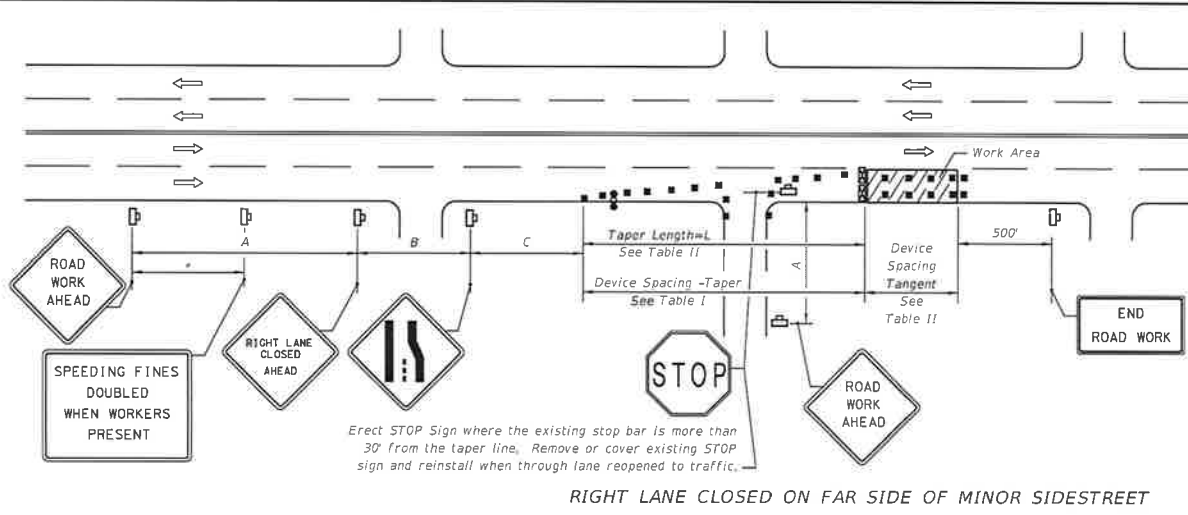
1. For work operations up to approximately 15 minutes, signs, channelizing devices, and arrow board may be omitted if all of the following conditions are met:
  - a. Speed limit is 45 mph or less,
  - b. No sight obstructions to vehicles approaching the work area for a distance equal to twice the taper length,
  - c. Volume and complexity of the roadway has been considered,
  - d. The closed lane is occupied by a class 5 or larger, medium duty truck(s) with a minimum gross weight vehicle rating (GWVR) of 16,001 lb with high-intensity, rotating, flashing, oscillating, or strobe lights mounted above the cab height and operating.
2. For work operations up to 60 minutes, the arrow board may be omitted if conditions a, b, and c in DURATION NOTE 1 are met, and vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.

**SYMBOLS**

-  Work Area
-  Work Zone Sign
-  Advance Warning Arrow Board
-  Type III Barricade
-  Channelizing Device (See Index No. 600)
-  Lane Identification + Direction of Traffic

10/23/20 11:53 AM

LAST REVISION 07/01/15	REVISION	DESCRIPTION:	 2016 DESIGN STANDARDS	MULTILANE, WORK NEAR INTERSECTION MEDIAN OR OUTSIDE LANE	INDEX NO. 616	SHEET NO. 1 of 3
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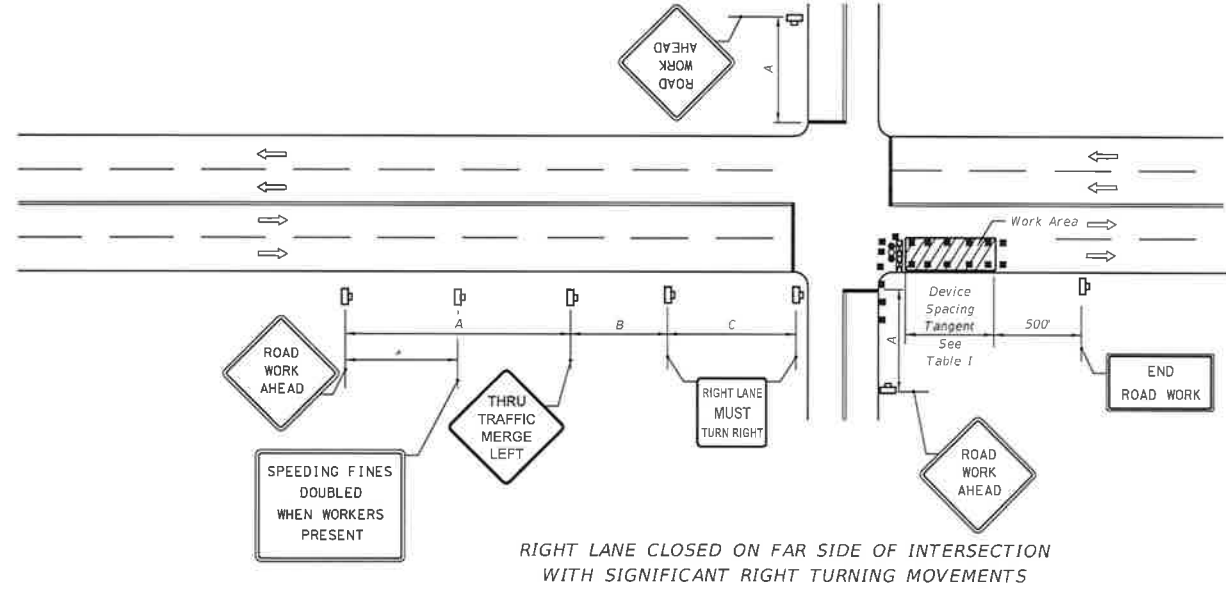


Speed	Spacing (ft.)		
	A	B	C
40 mph or less	200	200	200
45 mph	350	350	350

500' beyond the ROAD WORK AHEAD sign or midway between signs whichever is less.

**Table I  
Device Spacing**

Speed (mph)	Max. Distance Between Devices (ft.)			
	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50



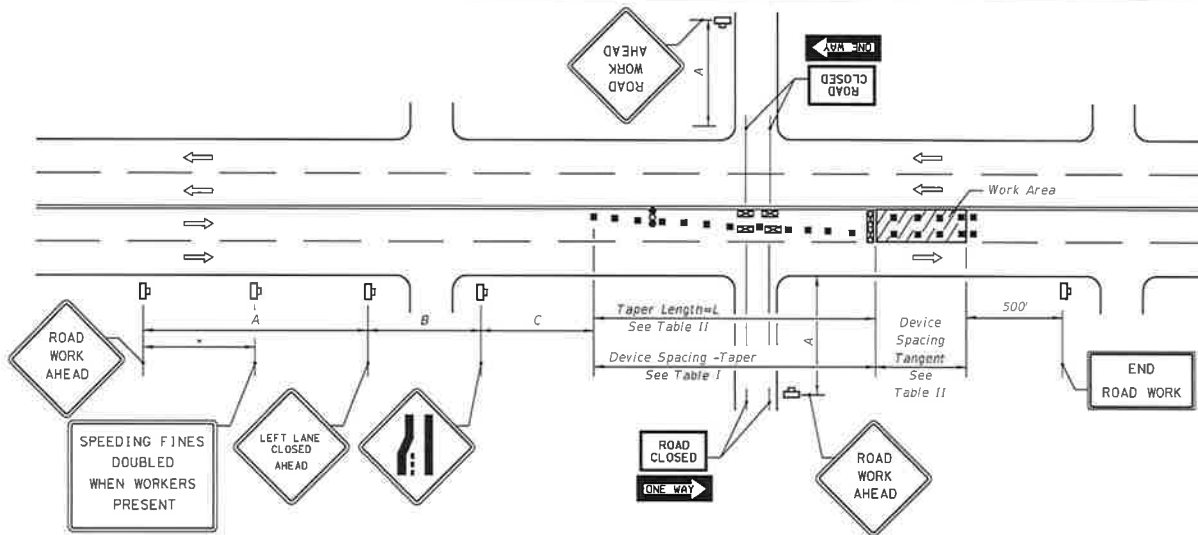
**Table II  
Taper Length - Merge (12' Lateral Transition)**

Speed (mph)	L (ft.)	Notes (Merge)
25	125	$L = \frac{WS^2}{60}$
30	180	
35	245	
40	320	
45	540	$L=WS$

For lateral transitions other than 12', use formula for L shown in the notes column, Where:  
 L = Length of taper in feet  
 W = Width of lateral transition in feet  
 S = Posted speed limit (mph)

- The normal procedure is to close on the near side of the intersection any lane that is not carried through the intersection. However, when this results in the closure of a right lane having significant right turning movements, then the right lane may be restricted to right turns only as shown in this detail.
- For intersection approaches reduced to a single lane, left turning movements may be prohibited to maintain capacity for through vehicular traffic.

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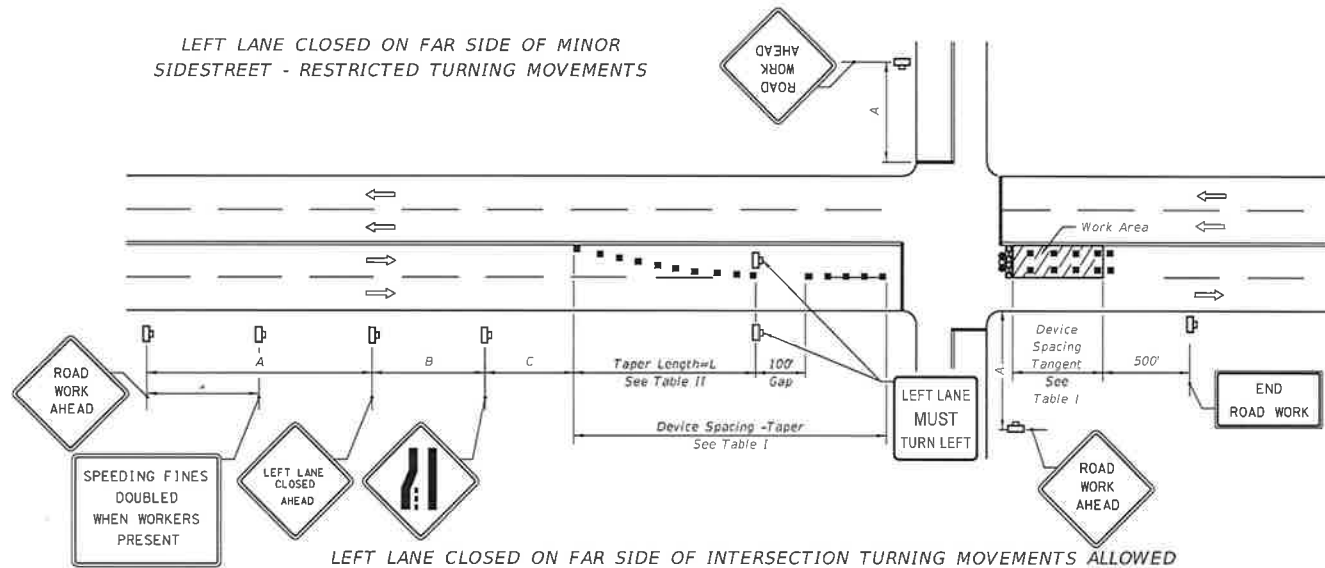
Speed	Spacing (ft.)		
	A	B	C
40 mph or less	200	200	200
45 mph	350	350	350

\* 500' beyond the ROAD WORK AHEAD sign or midway between signs whichever is less.

**Table I**  
**Device Spacing**

Speed (mph)	Max. Distance Between Devices (ft.)			
	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50

LEFT LANE CLOSED ON FAR SIDE OF MINOR SIDESTREET - RESTRICTED TURNING MOVEMENTS



**Table II**  
**Taper Length - Merge (12' Lateral Transition)**








Speed (mph)	L (ft.)	Notes (Merge)
25	125	L = $\frac{WS^2}{60}$
30	180	
35	245	
40	320	L = WS
45	540	

For lateral transitions other than 12', use formula for L shown in the notes column. Where:  
L = Length of taper in feet  
W = Width of lateral transition in feet  
S = Posted speed limit (mph)

L The normal procedure is to close on the near side of the intersection any lane that is not carried through the intersection. However, when this results in the closure of a left lane having significant left turning movements, then the left lane may be reopened as a turn bay for left turns only as show in this detail.

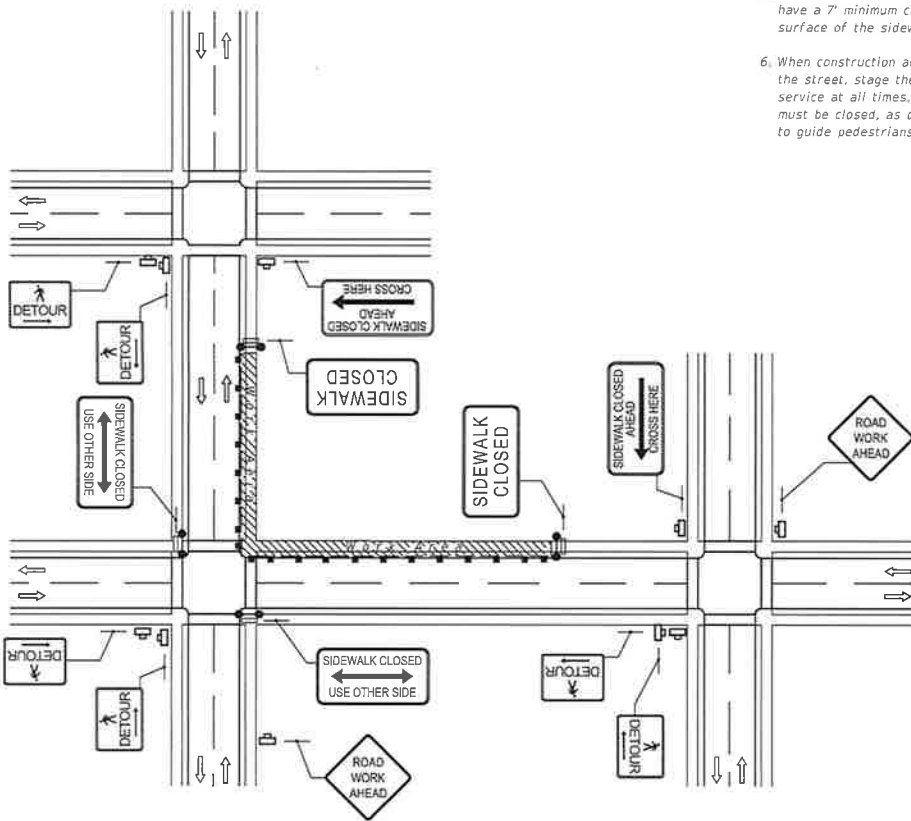
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**SYMBOLS**

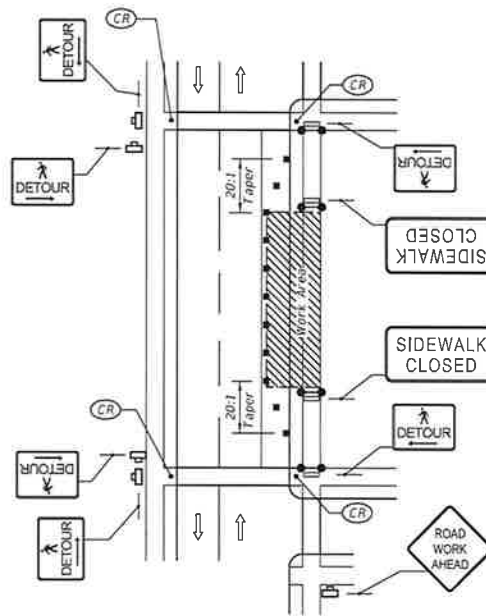
-  Work Area
-  Channelizing Device (See Index 600)
-  Work Zone Sign
-  Required Locations For Either Temporary Or Permanent Curb Ramps
-  Lane Identification + Direction of Traffic
-  Pedestrian Longitudinal Channelizing Device (LCD) with Mounted Work Zone Sign
-  Pedestrian Longitudinal Channelizing Device (LCD)

**GENERAL NOTES**

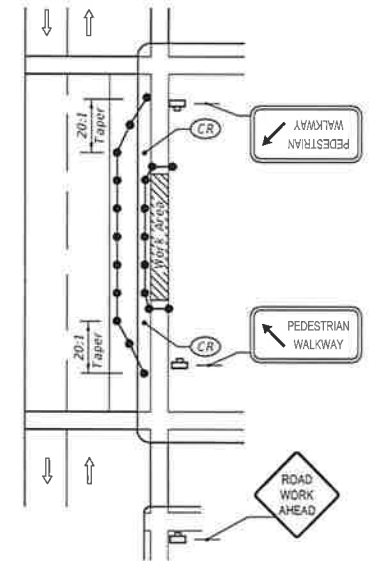
1. Route pedestrian traffic around work areas when construction activities encroach on the sidewalk for more than 60 minutes using the devices and remedies shown on this Index. Use project specific designs for scenarios not included on this Index.
2. For spacing of traffic control devices and general TCZ requirements refer to Index 600. The maximum spacing between barricades, vertical panels, drums or tubular markers is 25'.
3. Use delineators on longitudinal channelizing devices separating the work area from vehicular traffic.
4. Cover or deactivate pedestrian traffic signal display(s) controlling closed crosswalks.
5. Post mounted signs located near or adjacent to a sidewalk must have a 7' minimum clearance from the bottom of sign to the surface of the sidewalk.
6. When construction activities involve sidewalks on both sides of the street, stage the construction so that one sidewalk is in service at all times. If this is not feasible and both sidewalks must be closed, as determined by the Engineer, provide a detour to guide pedestrians around the construction zone.
7. Provide a 5' wide temporary walkway, except where space restrictions warrant a minimum width of 4'. Provide a 5' x 5' passing space for temporary walkways less than 5' in width at intervals not to exceed 200'.
8. Provide a cross-slope with a maximum value of 0.02 for all temporary walkways.
9. Temporary walkway surfaces and ramps must be stable, firm, slip resistant, and kept free of any obstructions and hazards such as holes, debris, mud, construction equipment and stored materials.
10. Remove temporary walkways immediately after reopening of the sidewalk, unless otherwise noted in the plans.
11. Meet the requirements of Index 304 for temporary curb ramps.
12. Place pedestrian longitudinal channelizing device(s) across the full width of the closed sidewalk. For temporary walkways, similar to the Sidewalk Diversion, place LCD's to delineate both sides of the temporary walkway.



CROSSWALK CLOSURE AND PESESTRIAN DETOUR




SIDEWALK DETOUR



SIDEWALK DIVERSION

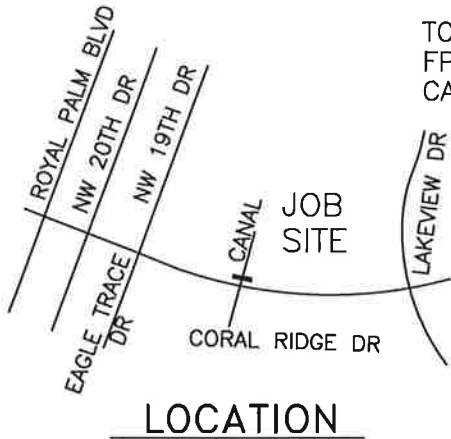
11/03/2014 AM

LAST REVISION 07/01/15	DESCRIPTION:	 <b>2016 DESIGN STANDARDS</b>	<b>PEDESTRIAN CONTROL FOR CLOSURE OF SIDEWALKS</b>	INDEX NO. <b>660</b>	SHEET NO. <b>1 of 1</b>
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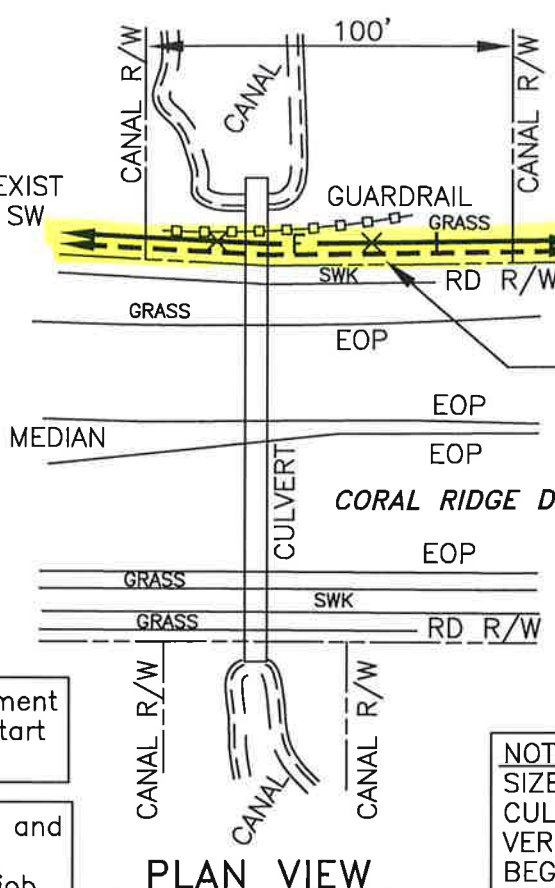
RWO/SIO/ER  
CORR APPR  
CH  
BY  
REVISION  
DATE  
NO.

MHR  
CAD NAME:  
CORAL SPRINGS IMPROVEMENT DIST  
PLOT TIME: 6:39:30 AM  
APP.  
DRAWN BY: M RICHARDS  
CHECKED  
CORRECT



Notify Coral Springs Improvement District 48 hours prior to start of construction

An As-Built record drawing and bore logs provided to the Improvement District once job is complete

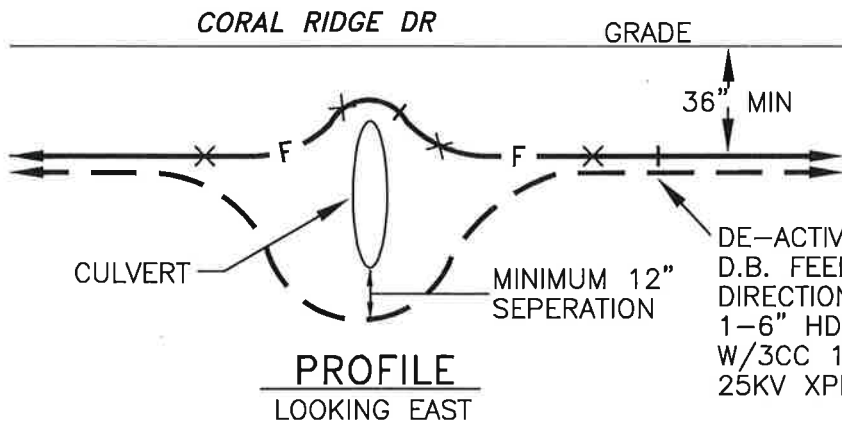


TO EXIST FPL SW CAB

TO EXIST FPL SW CAB

DE-ACTIVATE & ABAN D.B. FEEDER CABLE DIRECTIONAL BORE 1-6" HDPE @ 36" MIN W/3CC 1000MCM A 25KV XPE-J CBL

NOTE  
SIZE AND DEPTH OF CULVERT TO BE FIELD VERIFIED PRIOR TO BEGINNING CONSTRUCTION



TO EXIST FPL SW CAB

TO EXIST FPL SW CAB

DE-ACTIVATE & ABAN D.B. FEEDER CABLE DIRECTIONAL BORE 1-6" HDPE @ 36" MIN W/3CC 1000MCM A 25KV XPE-J CBL

- NOTES:
1. ALL CIRCUITS ARE EFFECTIVELY GROUNDED.
  2. POLES DO NOT EXCEED 60' IN HEIGHT.
  3. ALL UNDERGROUND UTILITIES ARE TO BE LOCATED AND IDENTIFIED PRIOR TO COMMENCEMENT OF ANY DIGGING OR BORING OPERATION

LEGEND

— x — CABLE TO BE DE-ENERGIZED

- - - - - PROPOSED DIRECTIONAL BORE CABLE

MOT 612, 616, 660

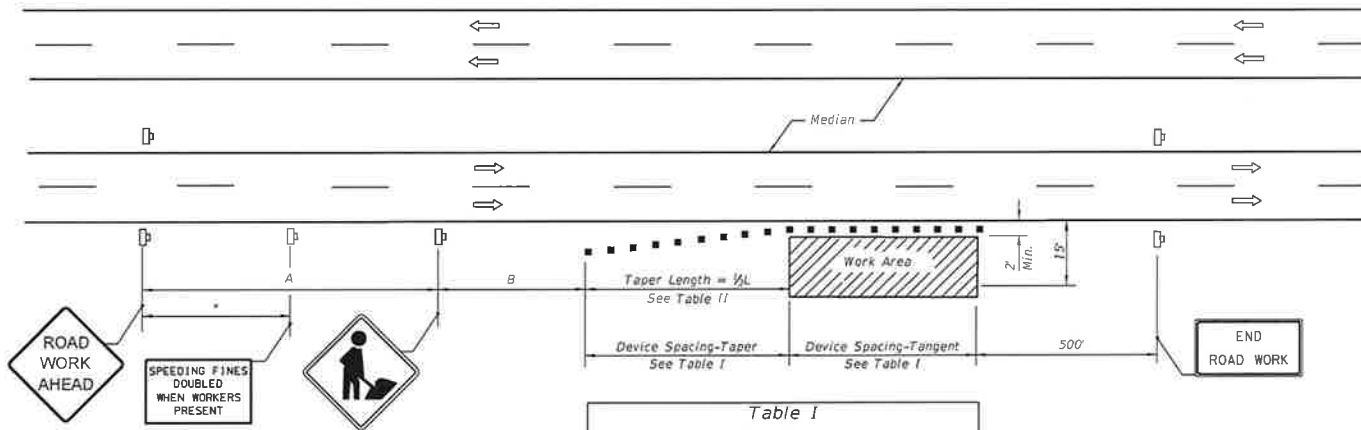
SCALE (HORIZ) 0 50' 75' 100'

(VERT) 0 5' 8' 10'

TWP 48 RNG 41 SEC 29

FOREIGN UTILITIES		REPLACE FEEDER CABLE CORAL RIDGE DR AT CANAL #L-205S CORAL SPRINGS, BROWARD CO, FL	
STM. SEWER	SAN. SEWER	DATE	10/27/15
CATV	GAS	JOB NO.	6130238
WATER	SBT	MAP NO.	AM-0346
		DWG. NO.	6130238-3
		REV. NO.	





Speed	Spacing (ft.)	
	A	B
40 mph or less	200	200
45 mph	350	350
50 mph or greater	500	500

\* 250' beyond the ROAD WORK AHEAD sign or midway between signs whichever is less.

Speed (mph)	Max. Distance Between Devices (ft.)			
	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50
50 to 70	25	50	50	100

Speed (mph)	1/2 L (ft.)			Notes
	8' Shldr.	10' Shldr.	12' Shldr.	
25	28	35	42	L = WS <sup>2</sup> / 60
30	40	50	60	
35	55	68	82	
40	72	90	107	L=WS
45	120	150	180	
50	133	167	200	
55	147	183	220	
60	160	200	240	
65	173	217	260	
70	187	233	280	

8' minimum shoulder width.

1/2 L = Length of shoulder taper in feet

W = Width of total shoulder in feet (combined paved and unpaved width)

S = Posted speed limit (mph)

GENERAL NOTES

- When a high volume of work vehicles are entering and leaving the Work Area at speeds slower than 10 MPH below the posted speed, place an MOT-5-06 sign in the ROAD WORK AHEAD sign location and shift the ROAD WORK AHEAD sign upstream 500 ft.
- This TCZ plan also applies to work performed in the median more than 2' but less than 15' from the edge of travelway.
- When work is being performed on a multilane undivided roadway the signs normally mounted in the median (as shown) shall be omitted.
- WORKERS signs to be removed or fully covered when no work is being performed.
- SHOULDER WORK sign may be used as an alternate to the WORKER symbol sign.
- When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed in accordance with other applicable TCZ Indexes.
- For general TCZ requirements and additional information, refer to Index No. 600.

DURATION NOTES

- Signs and channelizing devices may be omitted if all of the following conditions are met:
  - Work operations are 60 minutes or less.
  - Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.

CONDITIONS

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH THE AREA CLOSER THAN 15' BUT NOT CLOSER THAN 2' TO THE EDGE OF TRAVEL WAY.

SYMBOLS

- Work Area
- Channelizing Device (See Index No. 600)
- Work Zone Sign
- Lane Identification + Direction of Traffic

6/16/2015 10:59:31 AM

**GENERAL NOTES**

1. Work operations shall be confined to either one lane, or lane combinations as follows:
  - a. Outside travel lane;
  - b. Outside auxiliary lane;
  - c. Outside travel lane and adjoining auxiliary lane;
  - d. Inside travel lane Δ;
  - e. Inside auxiliary lane Δ;
  - f. Inside travel lane and adjoining auxiliary lane Δ







Δ See Sheet 3

If the work area is confined to an auxiliary lane the work area shall be barricaded and the RIGHT (LEFT) LANE CLOSED AHEAD signs replaced by ROAD WORK AHEAD signs, and the merge symbol signs eliminated.
2. When vehicles in a parking zone block the line of sight to TCZ signs, the signs shall be post mounted and located in accordance with Index No. 17302.
3. If the work space extends across a crosswalk, the crosswalk should be closed using the information in Index No. 660.
4. Signs are required on the median side for divided highways.
5. The two channelizing devices directly in front and directly at the end of the work area may be omitted provided vehicles in the work area have high-intensity rotating, flashing, oscillating, or strobe lights operating.
6. For general TCZ requirements and additional information, refer to Index No. 600.


**DURATION NOTES**

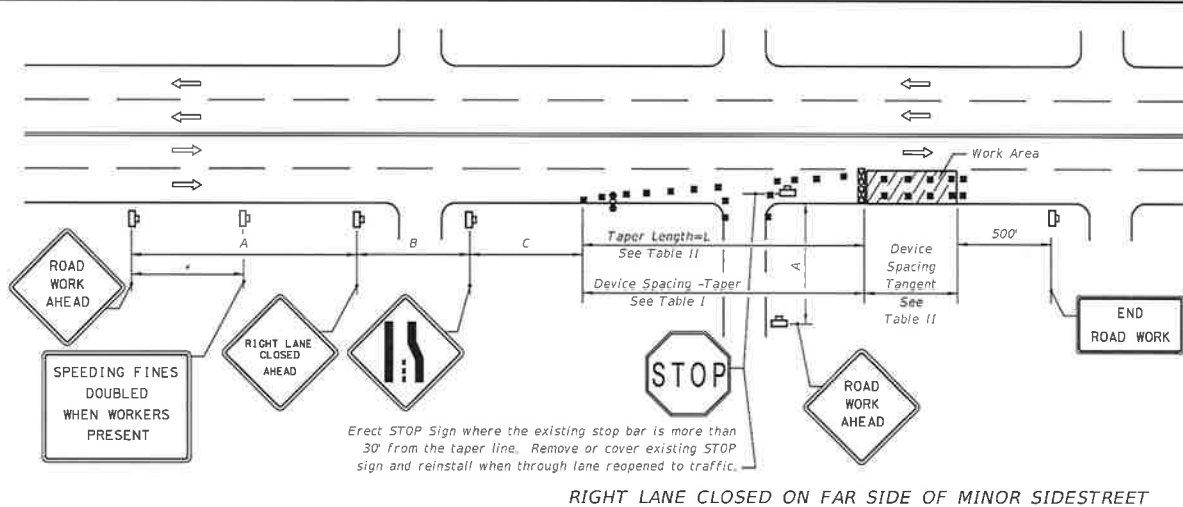
1. For work operations up to approximately 15 minutes, signs, channelizing devices, and arrow board may be omitted if all of the following conditions are met:
  - a. Speed limit is 45 mph or less.
  - b. No sight obstructions to vehicles approaching the work area for a distance equal to twice the taper length.
  - c. Volume and complexity of the roadway has been considered.
  - d. The closed lane is occupied by a class 5 or larger, medium duty truck(s) with a minimum gross weight vehicle rating (GWVR) of 16,001 lb with high-intensity, rotating, flashing, oscillating, or strobe lights mounted above the cab height and operating.
2. For work operations up to 60 minutes, the arrow board may be omitted if conditions a, b, and c in DURATION NOTE 1 are met, and vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.

**SYMBOLS**

-  Work Area
-  Work Zone Sign
-  Advance Warning Arrow Board
-  Type III Barricade
-  Channelizing Device (See Index No. 600)
-  Lane Identification + Direction of Traffic

6/16/2015 10:52:20 AM

LAST REVISION 07/01/15	REVISION DESCRIPTION:	 <b>2016 DESIGN STANDARDS</b>	<b>MULTILANE, WORK NEAR INTERSECTION MEDIAN OR OUTSIDE LANE</b>	INDEX NO. 616	SHEET NO. 1 of 3
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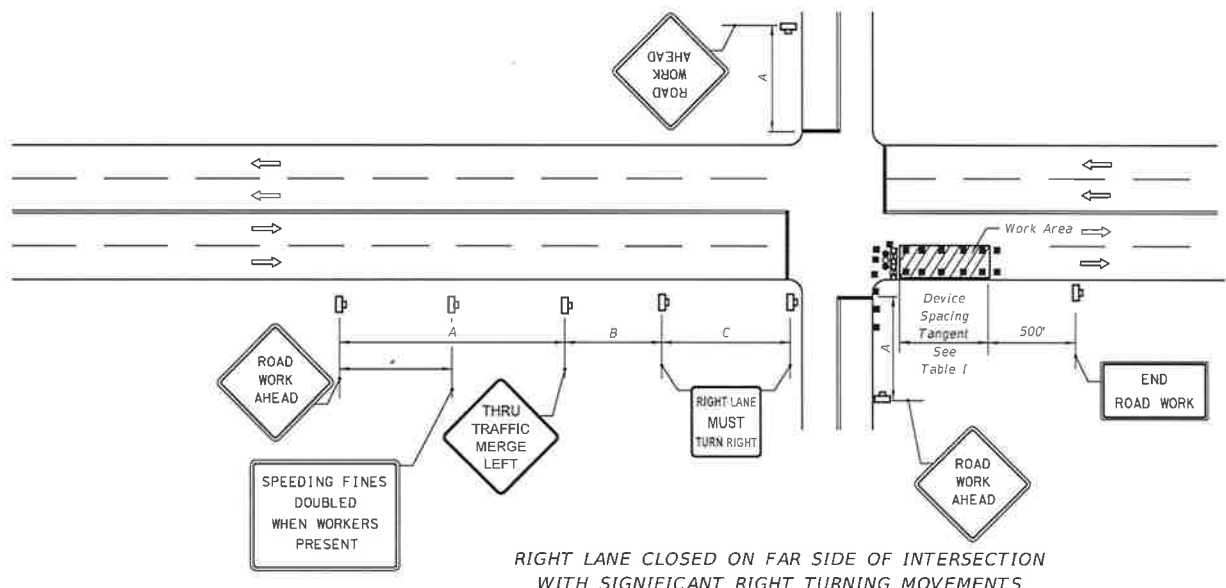
Erect STOP Sign where the existing stop bar is more than 30' from the taper line. Remove or cover existing STOP sign and reinstall when through lane reopened to traffic.

RIGHT LANE CLOSED ON FAR SIDE OF MINOR SIDESTREET

Speed	Spacing (ft.)		
	A	B	C
40 mph or less	200	200	200
45 mph	350	350	350

\* 500' beyond the ROAD WORK AHEAD sign or midway between signs whichever is less.

Speed (mph)	Max. Distance Between Devices (ft.)			
	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50



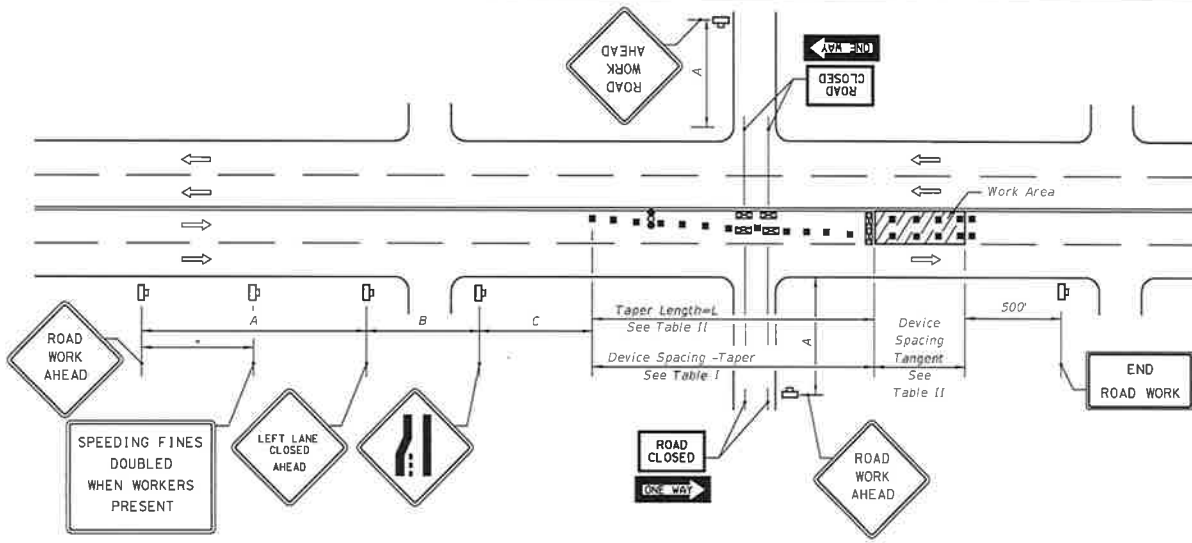
RIGHT LANE CLOSED ON FAR SIDE OF INTERSECTION WITH SIGNIFICANT RIGHT TURNING MOVEMENTS

Speed (mph)	L (ft)	Notes (Merge)
25	125	$L = \frac{WS^2}{60}$
30	180	
35	245	
40	320	
45	540	

For lateral transitions other than 12', use formula for L shown in the notes column. Where:  
L = Length of taper in feet  
W = Width of lateral transition in feet  
S = Posted speed limit (mph)

1. The normal procedure is to close on the near side of the intersection any lane that is not carried through the intersection. However, when this results in the closure of a right lane having significant right turning movements, then the right lane may be restricted to right turns only as shown in this detail.
2. For intersection approaches reduced to a single lane, left turning movements may be prohibited to maintain capacity for through vehicular traffic.

07/14/2015 10:52:21 AM

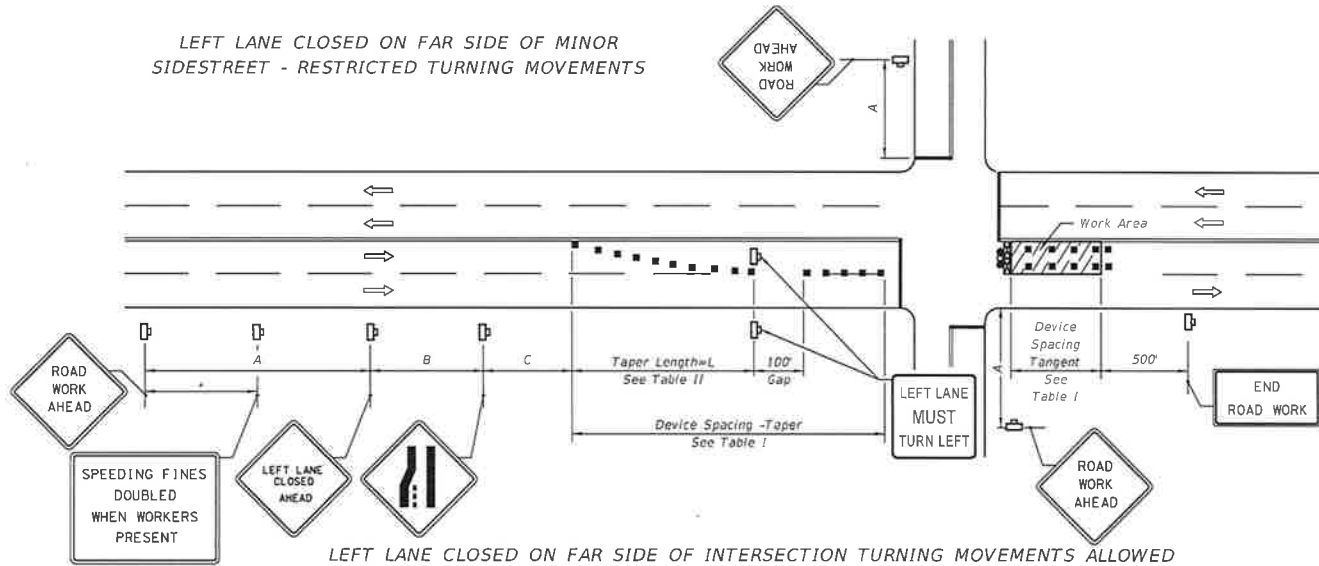


Speed	Spacing (ft.)		
	A	B	C
40 mph or less	200	200	200
45 mph	350	350	350

\* 500' beyond the ROAD WORK AHEAD sign or midway between signs whichever is less.

Speed (mph)	Max. Distance Between Devices (ft.)			
	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50

LEFT LANE CLOSED ON FAR SIDE OF MINOR SIDESTREET - RESTRICTED TURNING MOVEMENTS



Speed (mph)	L (ft.)	Notes (Merge)
25	125	$L = \frac{WS^2}{60}$
30	180	
35	245	
40	320	
45	540	$L = WS$

For lateral transitions other than 12', use formula for L shown in the notes column. Where:  
 L = Length of taper in feet  
 W = Width of lateral transition in feet  
 S = Posted speed limit (mph)

LEFT LANE CLOSED ON FAR SIDE OF INTERSECTION TURNING MOVEMENTS ALLOWED

1. The normal procedure is to close on the near side of the intersection any lane that is not carried through the intersection. However, when this results in the closure of a left lane having significant left turning movements, then the left lane may be reopened as a turn bay for left turns only as show in this detail.

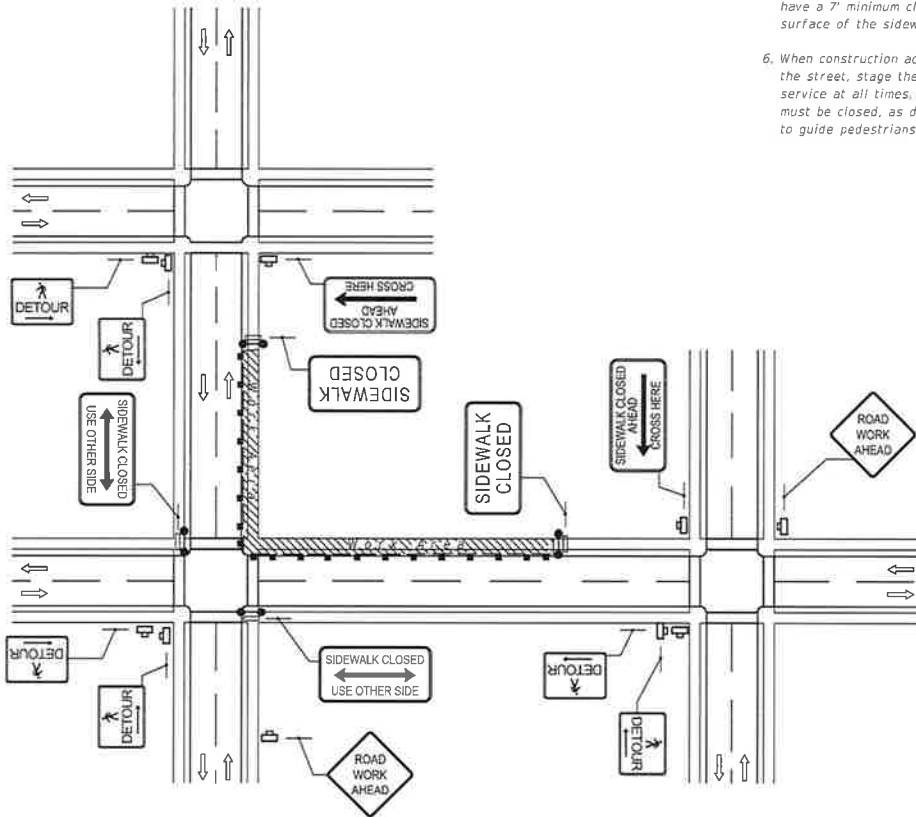
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**SYMBOLS**

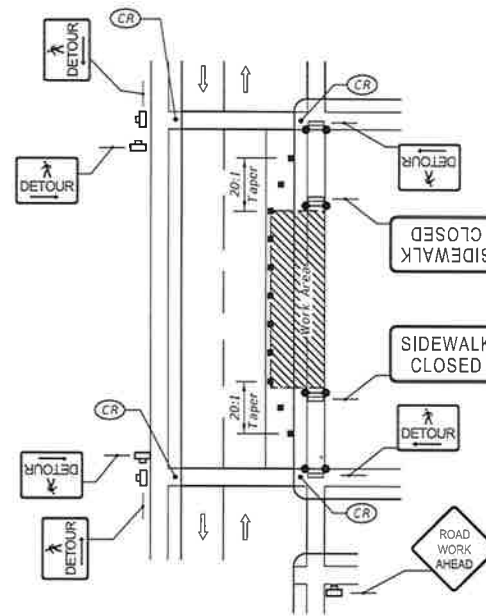
-  Work Area
-  Channelizing Device (See Index 600)
-  Work Zone Sign
-  Required Locations For Either Temporary Or Permanent Curb Ramps.
-  Lane Identification + Direction of Traffic
-  Pedestrian Longitudinal Channelizing Device (LCD) with Mounted Work Zone Sign
-  Pedestrian Longitudinal Channelizing Device (LCD)

**GENERAL NOTES**

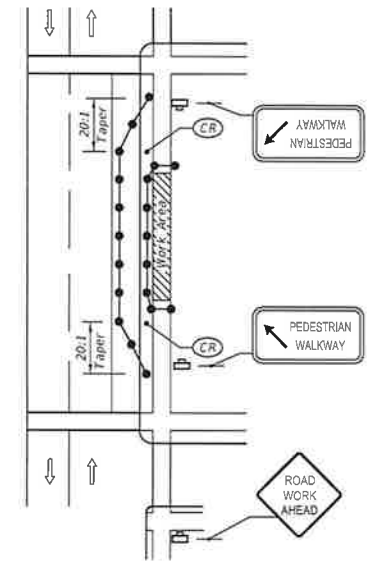
1. Route pedestrian traffic around work areas when construction activities encroach on the sidewalk for more than 60 minutes using the devices and remedies shown on this Index. Use project specific designs for scenarios not included on this Index.
2. For spacing of traffic control devices and general TCZ requirements refer to Index 600. The maximum spacing between barricades, vertical panels, drums or tubular markers is 25'.
3. Use delineators on longitudinal channelizing devices separating the work area from vehicular traffic.
4. Cover or deactivate pedestrian traffic signal display(s) controlling closed crosswalks.
5. Post mounted signs located near or adjacent to a sidewalk must have a 7' minimum clearance from the bottom of sign to the surface of the sidewalk.
6. When construction activities involve sidewalks on both sides of the street, stage the construction so that one sidewalk is in service at all times. If this is not feasible and both sidewalks must be closed, as determined by the Engineer, provide a detour to guide pedestrians around the construction zone.
7. Provide a 5' wide temporary walkway, except where space restrictions warrant a minimum width of 4'. Provide a 5' x 5' passing space for temporary walkways less than 5' in width at intervals not to exceed 200'.
8. Provide a cross-slope with a maximum value of 0,02 for all temporary walkways.
9. Temporary walkway surfaces and ramps must be stable, firm, slip resistant, and kept free of any obstructions and hazards such as holes, debris, mud, construction equipment and stored materials.
10. Remove temporary walkways immediately after reopening of the sidewalk, unless otherwise noted in the plans.
11. Meet the requirements of Index 304 for temporary curb ramps.
12. Place pedestrian longitudinal channelizing device(s) across the full width of the closed sidewalk. For temporary walkways, similar to the Sidewalk Diversion, place LCD's to delineate both sides of the temporary walkway.



CROSSWALK CLOSURE AND PESESTRIAN DETOUR




SIDEWALK DETOUR

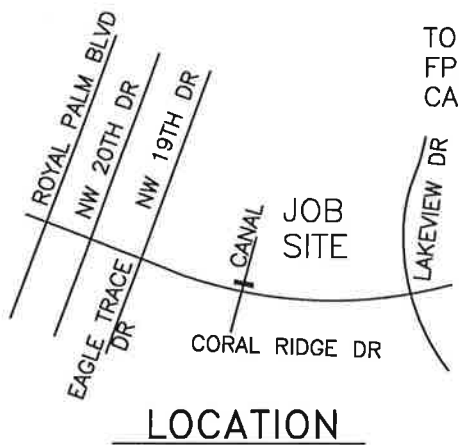


SIDEWALK DIVERSION

6/16/2015 11:03:28 AM

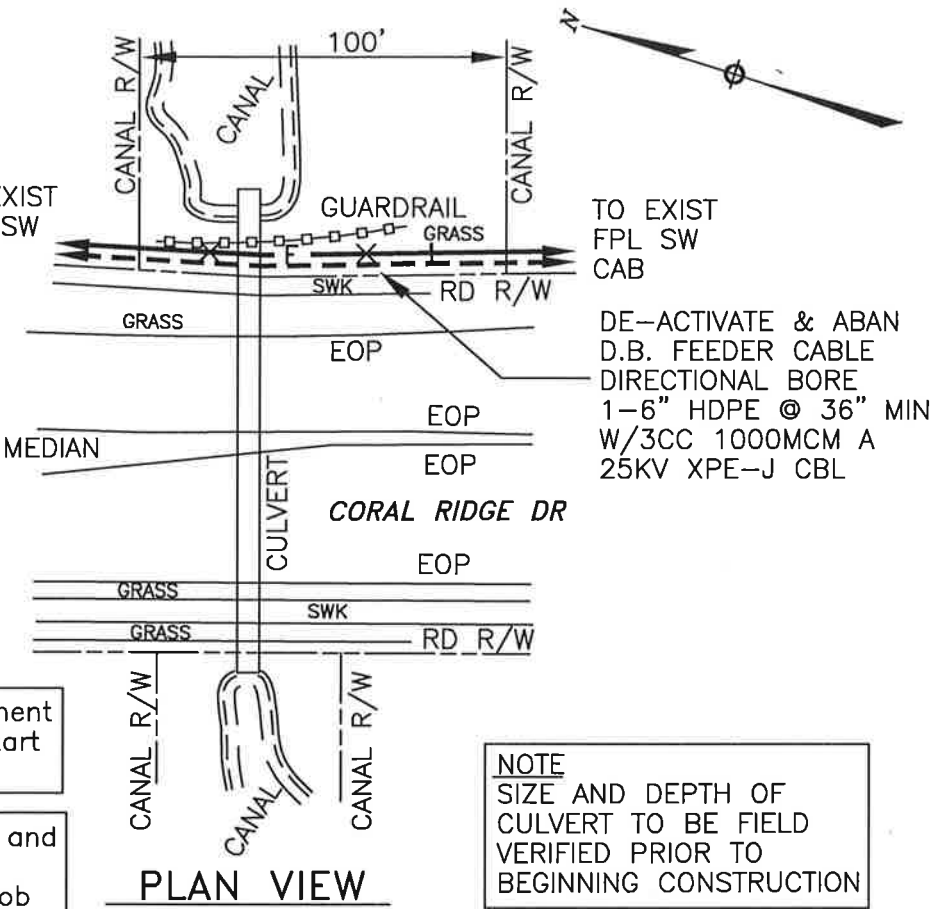
LAST REVISION 07/01/15	DESCRIPTION:	 <b>2016</b> DESIGN STANDARDS	<b>PEDESTRIAN CONTROL FOR CLOSURE OF SIDEWALKS</b>	INDEX NO. 660	SHEET NO. 1 of 1
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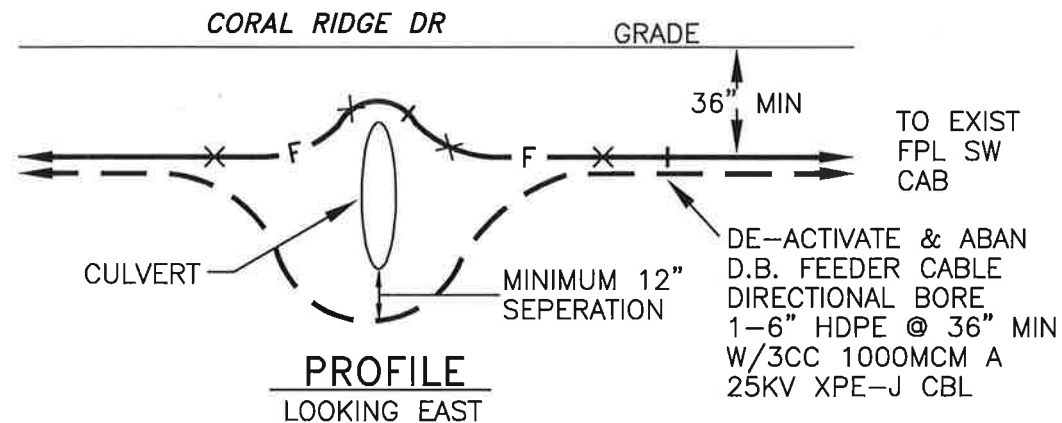


Notify Coral Springs Improvement District 48 hours prior to start of construction

An As-Built record drawing and bore logs provided to the Improvement District once job is complete



**NOTE**  
 SIZE AND DEPTH OF CULVERT TO BE FIELD VERIFIED PRIOR TO BEGINNING CONSTRUCTION



- NOTES:**
1. ALL CIRCUITS ARE EFFECTIVELY GROUNDING.
  2. POLES DO NOT EXCEED 60' IN HEIGHT.
  3. ALL UNDERGROUND UTILITIES ARE TO BE LOCATED AND IDENTIFIED PRIOR TO COMMENCEMENT OF ANY DIGGING OR BORING OPERATION

**LEGEND**

— x — CABLE TO BE DE-ENERGIZED

- - - - - PROPOSED DIRECTIONAL BORE CABLE


**MOT 612, 616, 660**

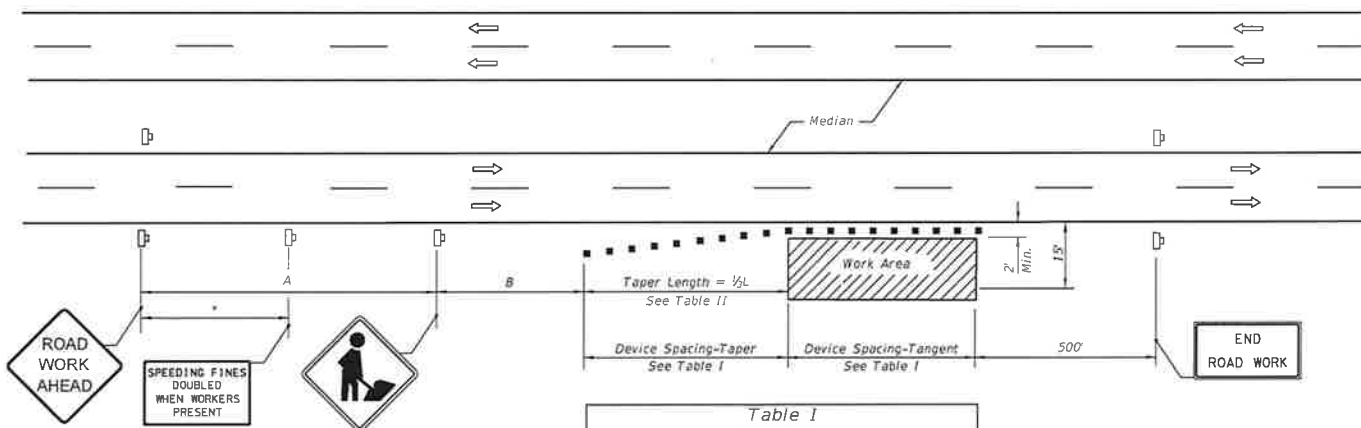
SCALE (HORIZ) 0 50' 75' 100'

(VERT) 0 5' 8' 10'

TWP 48 RNG 41 SEC 29

CAD NAME: MHR  
 PLOT TIME: 6:39:30 AM  
**CORAL SPRINGS IMPROVEMENT DIST**  
 APP. \_\_\_\_\_  
 DRAWN BY M RICHARDS  
 CHECKED \_\_\_\_\_  
 CORRECT \_\_\_\_\_

FOREIGN UTILITIES		<b>REPLACE FEEDER CABLE CORAL RIDGE DR AT</b> CANAL #L-205S CORAL SPRINGS, BROWARD CO, FL	
STM. SEWER	SAN. SEWER		DATE 10/27/15
CATV	GAS		JOB NO. 6130238
WATER	SBT		MAP NO. AM-0346 DWG. NO. <b>6130238-3</b>
			REV. NO.



Speed	Spacing (ft.)	
	A	B
40 mph or less	200	200
45 mph	350	350
50 mph or greater	500	500

\* 250' beyond the ROAD WORK AHEAD sign or midway between signs whichever is less.

Speed (mph)	Max. Distance Between Devices (ft.)			
	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50
50 to 70	25	50	50	100

Speed (mph)	1/2 L (ft.)			Notes
	8' Shldr.	10' Shldr.	12' Shldr.	
25	28	35	42	L = WS <sup>2</sup> / 60
30	40	50	60	
35	55	68	82	
40	72	90	107	
45	120	150	180	L=WS
50	133	167	200	
55	147	183	220	
60	160	200	240	
65	173	217	260	
70	187	233	280	

8' minimum shoulder width.

1/2 L = Length of shoulder taper in feet

W = Width of total shoulder in feet (combined paved and unpaved width)

S = Posted speed limit (mph)

**GENERAL NOTES**

- When a high volume of work vehicles are entering and leaving the Work Area at speeds slower than 10 MPH below the posted speed, place an MOT-5-06 sign in the ROAD WORK AHEAD sign location and shift the ROAD WORK AHEAD sign upstream 500 ft.
- This TCZ plan also applies to work performed in the median more than Z' but less than 15' from the edge of travelway.
- When work is being performed on a multilane undivided roadway the signs normally mounted in the median (as shown) shall be omitted.
- WORKERS signs to be removed or fully covered when no work is being performed.
- SHOULDER WORK sign may be used as an alternate to the WORKER symbol sign.
- When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed in accordance with other applicable TCZ Indexes.
- For general TCZ requirements and additional information, refer to Index No. 600.

**DURATION NOTES**

- Signs and channelizing devices may be omitted if all of the following conditions are met:
  - Work operations are 60 minutes or less.
  - Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.

**CONDITIONS**

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCR OACH THE AREA CLOSER THAN 15' BUT NOT CLOSER THAN 2' TO THE EDGE OF TRAVEL WAY.

**SYMBOLS**

- Work Area
- Channelizing Device (See Index No. 600)
- Work Zone Sign
- Lane Identification + Direction of Traffic

6/16/2015 10:50:21 AM

LAST REVISION 07/01/15	DESCRIPTION:	<b>2016 DESIGN STANDARDS</b>	<b>MULTILANE, WORK ON SHOULDER</b>	INDEX NO. 612	SHEET NO. 1 of 1
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**GENERAL NOTES**

1. Work operations shall be confined to either one lane, or lane combinations as follows:
  - a. Outside travel lane;
  - b. Outside auxiliary lane;
  - c. Outside travel lane and adjoining auxiliary lane;
  - d. Inside travel lane  $\Delta$ ;
  - e. Inside auxiliary lane  $\Delta$ ;
  - f. Inside travel lane and adjoining auxiliary lane  $\Delta$







$\Delta$  See Sheet 3

If the work area is confined to an auxiliary lane the work area shall be barricaded and the RIGHT (LEFT) LANE CLOSED AHEAD signs replaced by ROAD WORK AHEAD signs, and the merge symbol signs eliminated.
2. When vehicles in a parking zone block the line of sight to TCZ signs, the signs shall be post mounted and located in accordance with Index No. 17302.
3. If the work space extends across a crosswalk, the crosswalk should be closed using the information in Index No. 660.
4. Signs are required on the median side for divided highways.
5. The two channelizing devices directly in front and directly at the end of the work area may be omitted provided vehicles in the work area have high-intensity rotating, flashing, oscillating, or strobe lights operating.
6. For general TCZ requirements and additional information, refer to Index No. 600.


**DURATION NOTES**

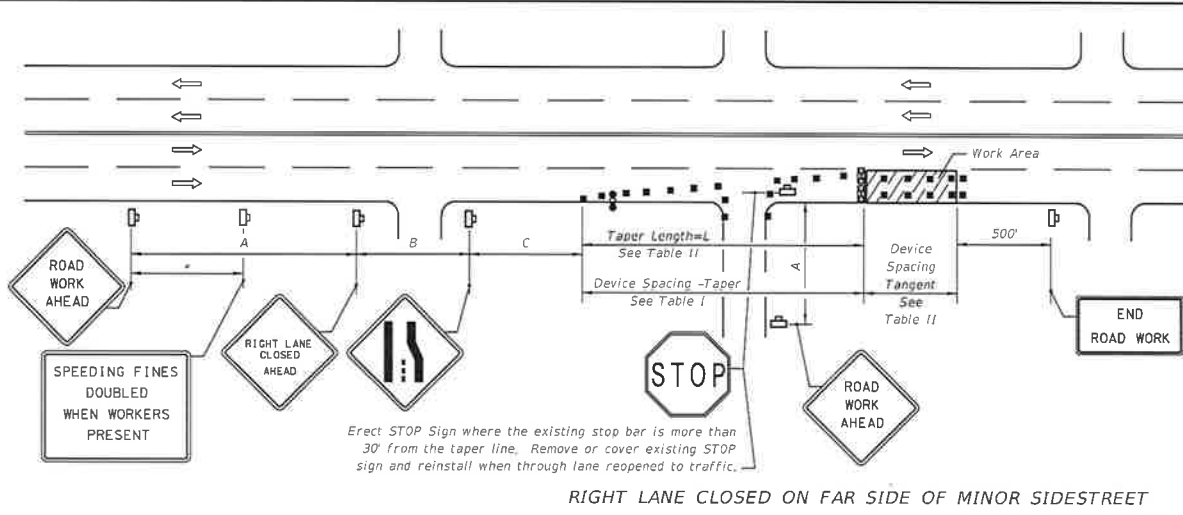
1. For work operations up to approximately 15 minutes, signs, channelizing devices, and arrow board may be omitted if all of the following conditions are met:
  - a. Speed limit is 45 mph or less,
  - b. No sight obstructions to vehicles approaching the work area for a distance equal to twice the taper length.
  - c. Volume and complexity of the roadway has been considered,
  - d. The closed lane is occupied by a class 5 or larger, medium duty truck(s) with a minimum gross weight vehicle rating (GWVR) of 16,001 lb with high-intensity, rotating, flashing, oscillating, or strobe lights mounted above the cab height and operating.
2. For work operations up to 60 minutes, the arrow board may be omitted if conditions a, b, and c in DURATION NOTE 1 are met, and vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.

**SYMBOLS**

-  Work Area
-  Work Zone Sign
-  Advance Warning Arrow Board
-  Type III Barricade
-  Channelizing Device (See Index No. 600)
-  Lane Identification + Direction of Traffic

6/16/2015 10:52:20 AM

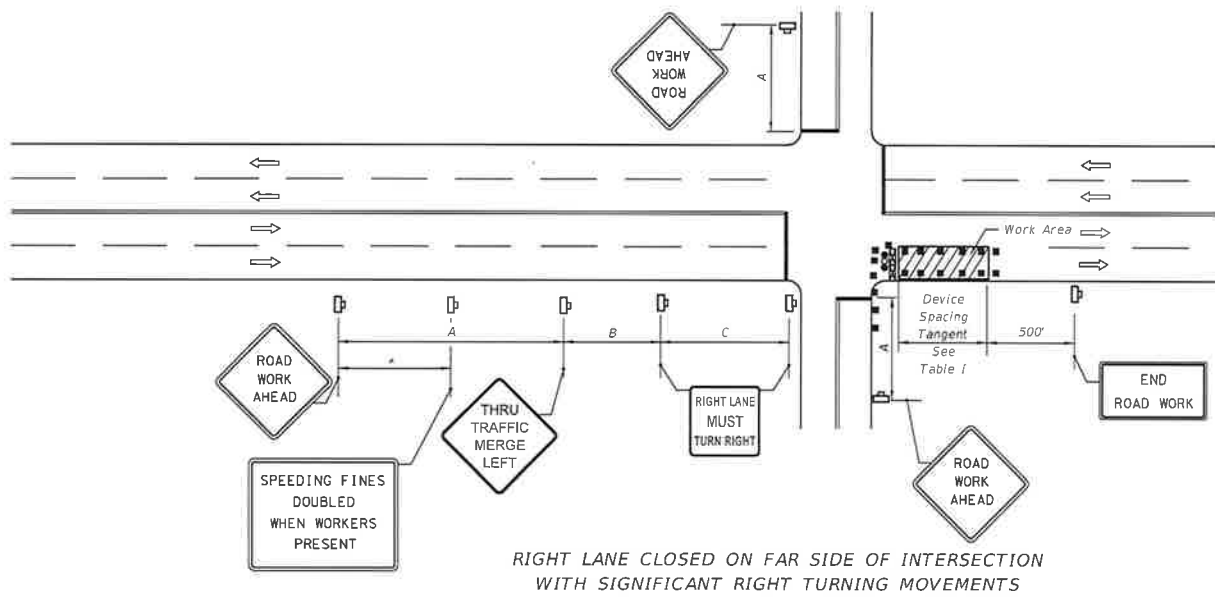
LAST REVISION 07/01/15	REVISION	DESCRIPTION:	 <b>2016</b> DESIGN STANDARDS	<b>MULTILANE, WORK NEAR INTERSECTION</b> <b>MEDIAN OR OUTSIDE LANE</b>	INDEX NO. <b>616</b>	SHEET NO. <b>1 of 3</b>
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Speed	Spacing (ft.)		
	A	B	C
40 mph or less	200	200	200
45 mph	350	350	350

\* 500' beyond the ROAD WORK AHEAD sign or midway between signs whichever is less.

Speed (mph)	Max. Distance Between Devices (ft.)			
	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50

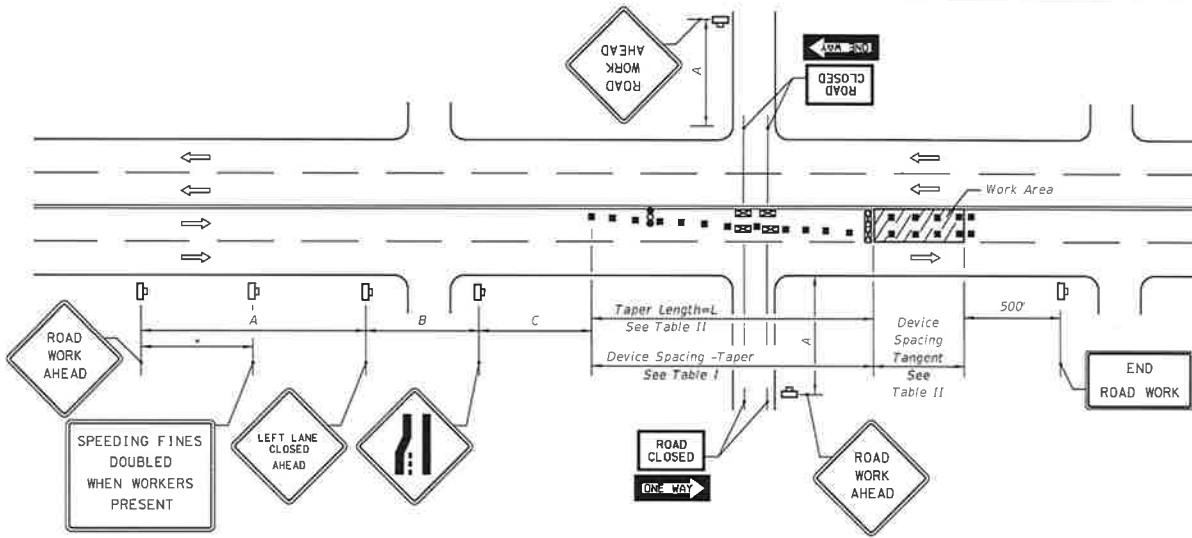


Speed (mph)	L (ft)	Notes (Merge)
25	125	$L = \frac{WS^2}{60}$
30	180	
35	245	
40	320	
45	540	$L=WS$

For lateral transitions other than 12', use formula for L shown in the notes column, Where:  
 L = Length of taper in feet  
 W = Width of lateral transition in feet  
 S = Posted speed limit (mph)

- The normal procedure is to close on the near side of the intersection any lane that is not carried through the intersection. However, when this results in the closure of a right lane having significant right turning movements, then the right lane may be restricted to right turns only as shown in this detail.
- For intersection approaches reduced to a single lane, left turning movements may be prohibited to maintain capacity for through vehicular traffic.

07/16/2015 10:52:21 AM



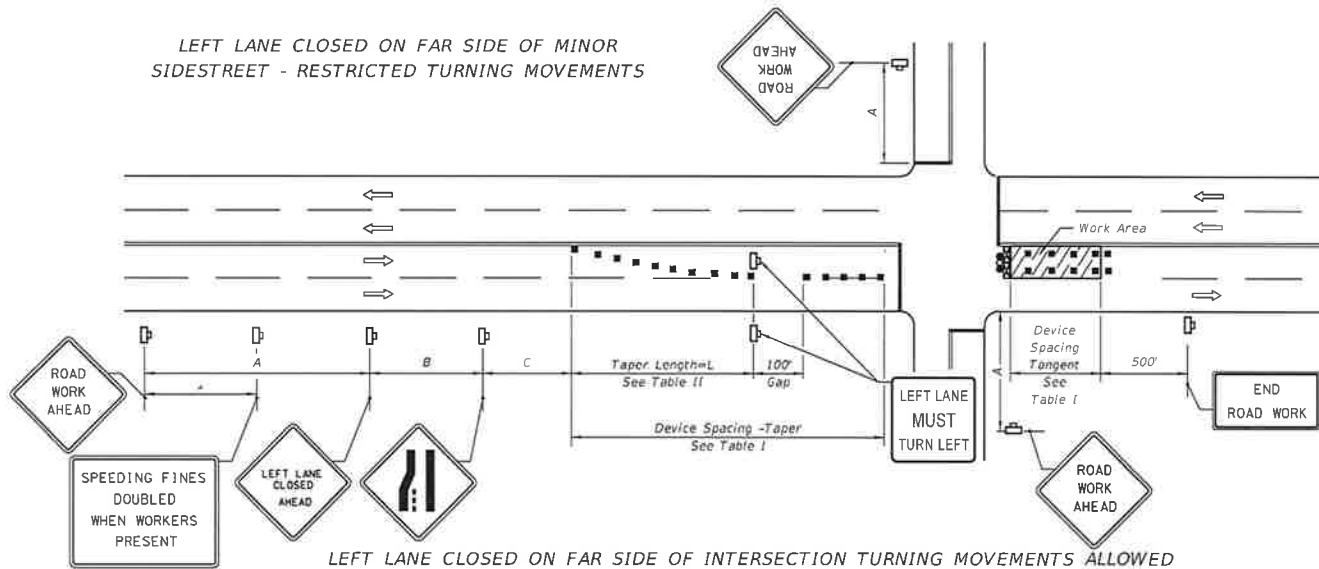
Speed	Spacing (ft.)		
	A	B	C
40 mph or less	200	200	200
45 mph	350	350	350

\* 500' beyond the ROAD WORK AHEAD sign or midway between signs whichever is less.

**Table I**  
Device Spacing

Speed (mph)	Max. Distance Between Devices (ft.)			
	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50

LEFT LANE CLOSED ON FAR SIDE OF MINOR SIDESTREET - RESTRICTED TURNING MOVEMENTS



**Table II**  
Taper Length - Merge (12' Lateral Transition)

Speed (mph)	L (ft.)	Notes (Merge)
25	125	$L = \frac{WS^2}{60}$
30	180	
35	245	
40	320	$L = WS$
45	540	








For lateral transitions other than 12', use formula for L shown in the notes column. Where:  
 L = Length of taper in feet  
 W = Width of lateral transition in feet  
 S = Posted speed limit (mph)

LEFT LANE CLOSED ON FAR SIDE OF INTERSECTION TURNING MOVEMENTS ALLOWED

1. The normal procedure is to close on the near side of the intersection any lane that is not carried through the intersection. However, when this results in the closure of a left lane having significant left turning movements, then the left lane may be reopened as a turn bay for left turns only as show in this detail.

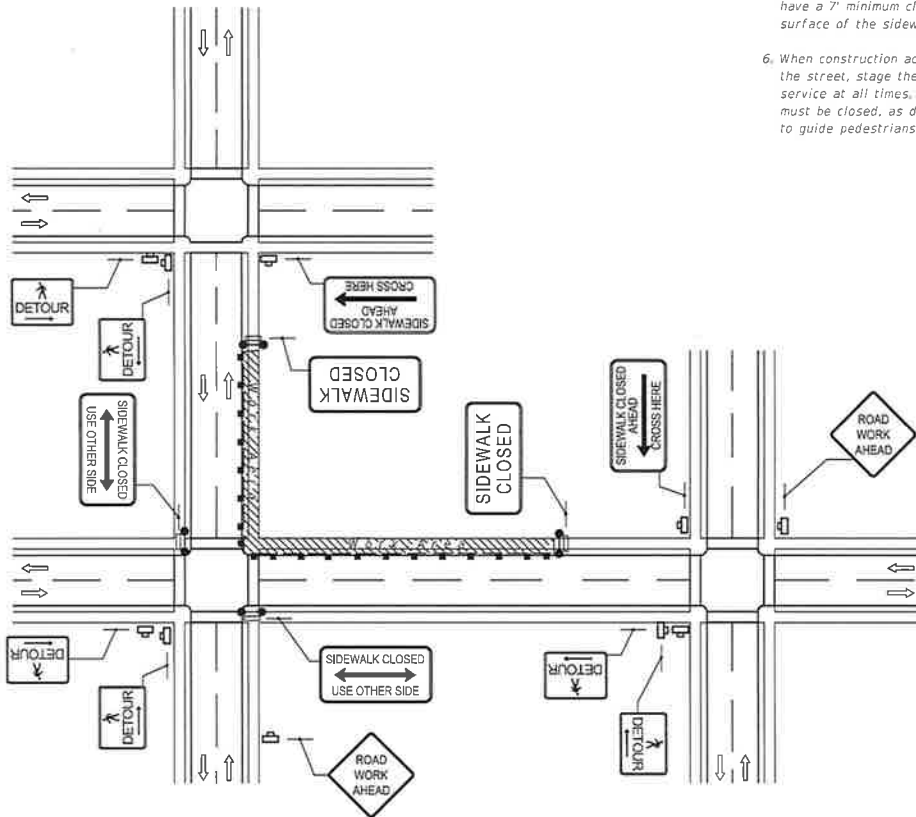
K116/2015 10/30/21 AM

**SYMBOLS**

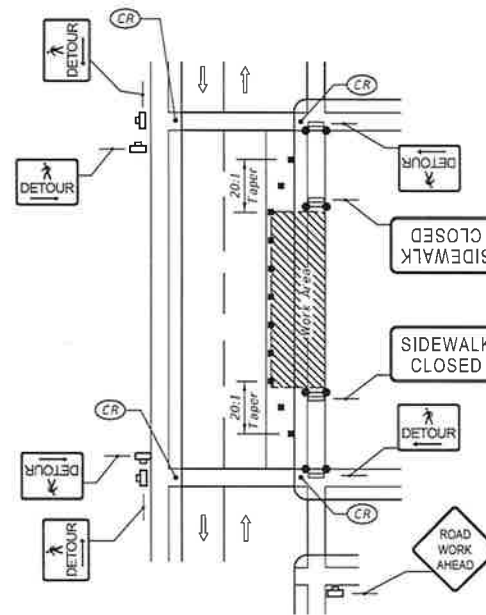
-  Work Area
-  Channelizing Device (See Index 600)
-  Work Zone Sign
-  Required Locations For Either Temporary Or Permanent Curb Ramps
-  Lane Identification + Direction of Traffic
-  Pedestrian Longitudinal Channelizing Device (LCD) with Mounted Work Zone Sign
-  Pedestrian Longitudinal Channelizing Device (LCD)

**GENERAL NOTES**

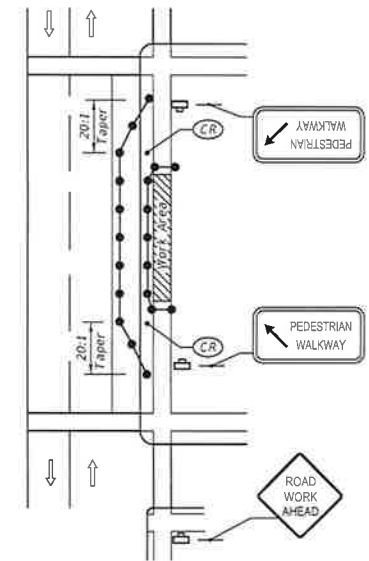
1. Route pedestrian traffic around work areas when construction activities encroach on the sidewalk for more than 60 minutes using the devices and remedies shown on this Index. Use project specific designs for scenarios not included on this Index.
2. For spacing of traffic control devices and general TCZ requirements refer to Index 600. The maximum spacing between barricades, vertical panels, drums or tubular markers is 25'.
3. Use delineators on longitudinal channelizing devices separating the work area from vehicular traffic.
4. Cover or deactivate pedestrian traffic signal display(s) controlling closed crosswalks.
5. Post mounted signs located near or adjacent to a sidewalk must have a 7' minimum clearance from the bottom of sign to the surface of the sidewalk.
6. When construction activities involve sidewalks on both sides of the street, stage the construction so that one sidewalk is in service at all times. If this is not feasible and both sidewalks must be closed, as determined by the Engineer, provide a detour to guide pedestrians around the construction zone.
7. Provide a 5' wide temporary walkway, except where space restrictions warrant a minimum width of 4'. Provide a 5' x 5' passing space for temporary walkways less than 5' in width at intervals not to exceed 200'.
8. Provide a cross-slope with a maximum value of 0.02 for all temporary walkways.
9. Temporary walkway surfaces and ramps must be stable, firm, slip resistant, and kept free of any obstructions and hazards such as holes, debris, mud, construction equipment and stored materials.
10. Remove temporary walkways immediately after reopening of the sidewalk, unless otherwise noted in the plans.
11. Meet the requirements of Index 304 for temporary curb ramps.
12. Place pedestrian longitudinal channelizing device(s) across the full width of the closed sidewalk. For temporary walkways, similar to the Sidewalk Diversion, place LCD's to delineate both sides of the temporary walkway.



CROSSWALK CLOSURE AND PESESTRIAN DETOUR



SIDEWALK DETOUR

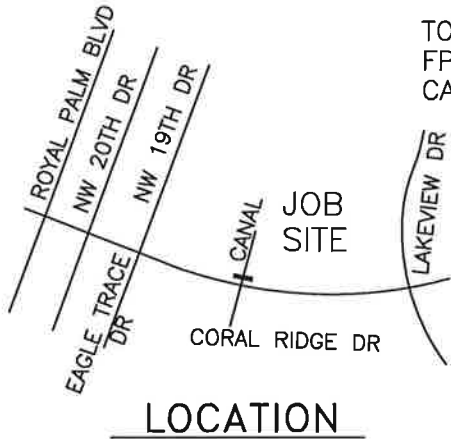


SIDEWALK DIVERSION

01/16/2015 11:03:29 AM

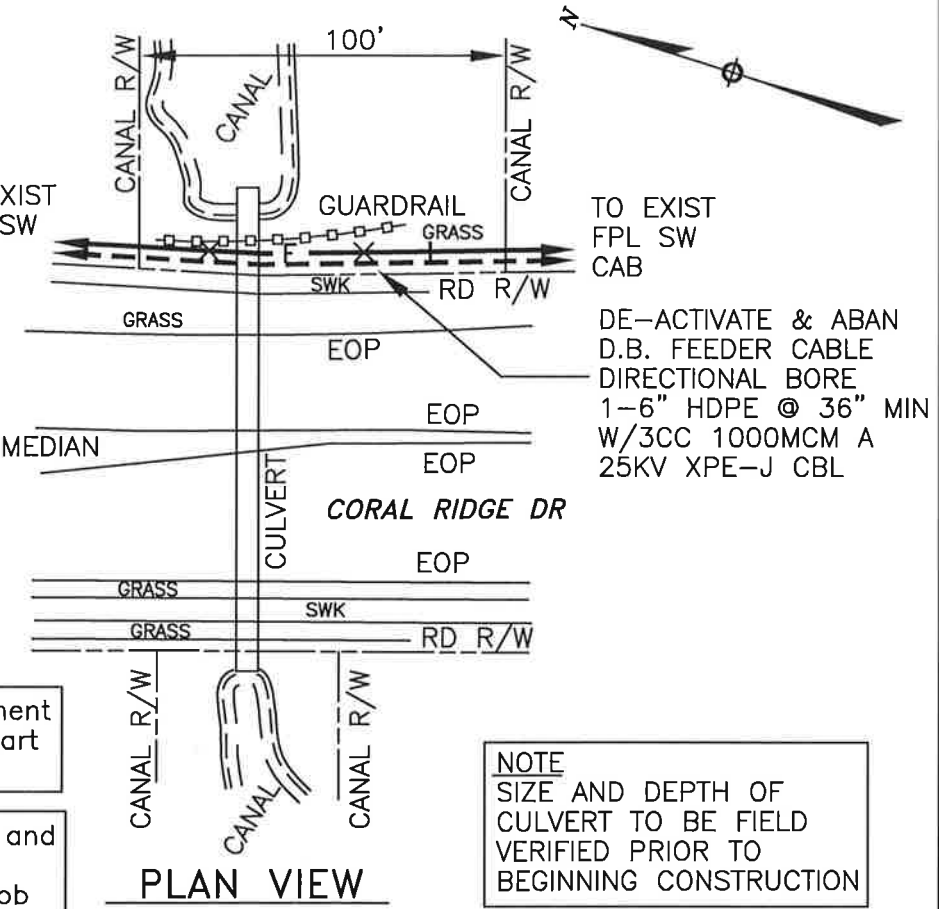
<p>LAST REVISION 07/01/15</p>	<p>DESCRIPTION:</p>	<p>2016 <b>FDOT</b> DESIGN STANDARDS</p>	<p>PEDESTRIAN CONTROL FOR CLOSURE OF SIDEWALKS</p>	<p>INDEX NO. 660</p>	<p>SHEET NO. 1 of 1</p>
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RWO/SIO/ER  
CORR APPR  
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BY  
REVISION  
DATE  
NO.

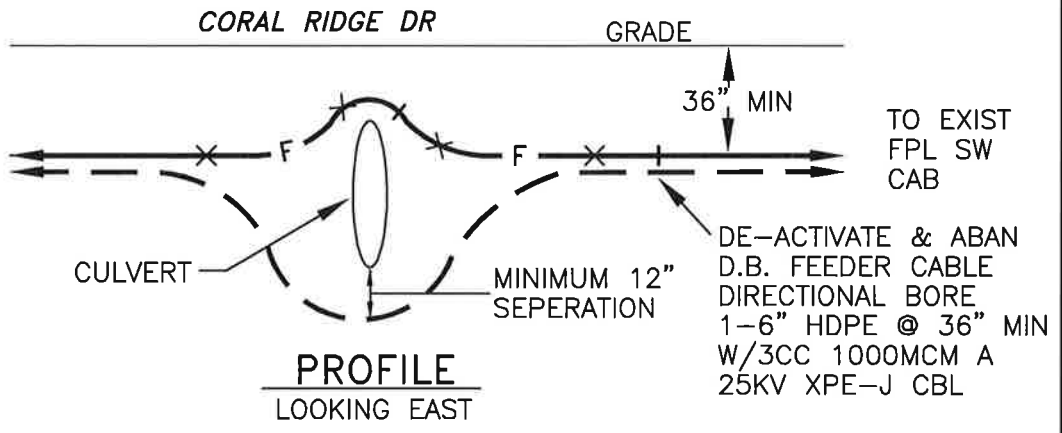


Notify Coral Springs Improvement District 48 hours prior to start of construction

An As-Built record drawing and bore logs provided to the Improvement District once job is complete



**NOTE**  
SIZE AND DEPTH OF CULVERT TO BE FIELD VERIFIED PRIOR TO BEGINNING CONSTRUCTION



**DE-ACTIVATE & ABAN D.B. FEEDER CABLE DIRECTIONAL BORE 1-6" HDPE @ 36" MIN W/3CC 1000MCM A 25KV XPE-J CBL**

- NOTES:**
1. ALL CIRCUITS ARE EFFECTIVELY GROUNDED.
  2. POLES DO NOT EXCEED 60' IN HEIGHT.
  3. ALL UNDERGROUND UTILITIES ARE TO BE LOCATED AND IDENTIFIED PRIOR TO COMMENCEMENT OF ANY DIGGING OR BORING OPERATION

**LEGEND**

— x — CABLE TO BE DE-ENERGIZED

- - - - - PROPOSED DIRECTIONAL BORE CABLE

**MOT 612, 616, 660**

SCALE (HORIZ) 0 50' 75' 100'

(VERT) 0 5' 8' 10'

TWP 48 RNG 41 SEC 29

CAD NAME: **CORAL SPRINGS IMPROVEMENT DIST**


PLOT TIME: 6:39:30 AM

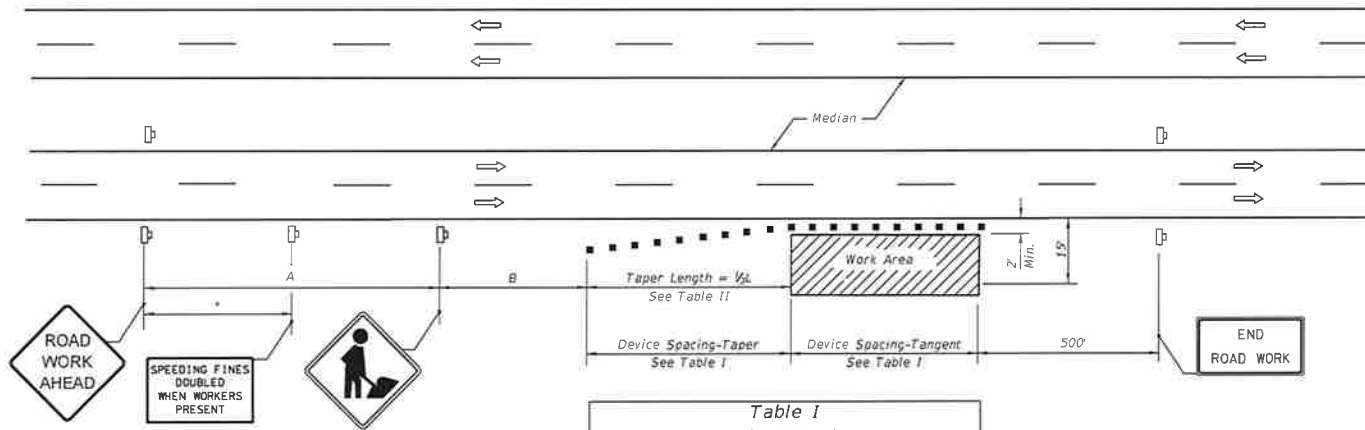
DATE: 11/20/2015

DRAWN BY: M RICHARDS

CHECKED

CORRECT

FOREIGN UTILITIES		<b>REPLACE FEEDER CABLE CORAL RIDGE DR AT</b>	
		CANAL #L-205S CORAL SPRINGS, BROWARD CO, FL	
		DATE 10/27/15	
		JOB NO. 6130238	
		MAP NO. AM-0346	
		DWG. NO. 6130238-3	
STM. SEWER	SAN. SEWER		
CATV	GAS		
WATER	SBT		
		REV. NO.	



Speed	Spacing (ft.)	
	A	B
40 mph or less	200	200
45 mph	350	350
50 mph or greater	500	500

\* 250' beyond the ROAD WORK AHEAD sign or midway between signs whichever is less.

Speed (mph)	Max. Distance Between Devices (ft.)			
	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50
50 to 70	25	50	50	100

Speed (mph)	1/2 L (ft.)			Notes
	8' Shldr.	10' Shldr.	12' Shldr.	
25	28	35	42	L = WS / 60
30	40	50	60	
35	55	68	82	
40	72	90	107	L=WS
45	120	150	180	
50	133	167	200	
55	147	183	220	
60	160	200	240	
65	173	217	260	
70	187	233	280	

8' minimum shoulder width.

1/2 L = Length of shoulder taper in feet

W = Width of total shoulder in feet (combined paved and unpaved width)

S = Posted speed limit (mph)

**SYMBOLS**

- Work Area
- Channelizing Device (See Index No. 600)
- Work Zone Sign
- Lane Identification + Direction of Traffic

**GENERAL NOTES**

- When a high volume of work vehicles are entering and leaving the Work Area at speeds slower than 10 MPH below the posted speed, place an MOT-5-06 sign in the ROAD WORK AHEAD sign location and shift the ROAD WORK AHEAD sign upstream 500 ft.
- This TCZ plan also applies to work performed in the median more than 2' but less than 15' from the edge of travelway.
- When work is being performed on a multilane undivided roadway the signs normally mounted in the median (as shown) shall be omitted.
- WORKERS signs to be removed or fully covered when no work is being performed.
- SHOULDER WORK sign may be used as an alternate to the WORKER symbol sign.
- When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed in accordance with other applicable TCZ Indexes.
- For general TCZ requirements and additional information, refer to Index No. 600.

**DURATION NOTES**

- Signs and channelizing devices may be omitted if all of the following conditions are met:
  - Work operations are 60 minutes or less.
  - Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.

**CONDITIONS**

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH THE AREA CLOSER THAN 15' BUT NOT CLOSER THAN 2' TO THE EDGE OF TRAVEL WAY.

07/16/2015 10:50:21 AM

LAST REVISION 07/01/15	REVISION DESCRIPTION:	 2016 DESIGN STANDARDS	MULTILANE, WORK ON SHOULDER	INDEX NO. 612	SHEET NO. 1 of 1
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**GENERAL NOTES**

1. Work operations shall be confined to either one lane, or lane combinations as follows:
  - a. Outside travel lane;
  - b. Outside auxiliary lane;
  - c. Outside travel lane and adjoining auxiliary lane;
  - d. Inside travel lane  $\Delta$ ;
  - e. Inside auxiliary lane  $\Delta$ ;
  - f. Inside travel lane and adjoining auxiliary lane  $\Delta$ .






$\Delta$  See Sheet 3

If the work area is confined to an auxiliary lane the work area shall be barricaded and the RIGHT (LEFT) LANE CLOSED AHEAD signs replaced by ROAD WORK AHEAD signs, and the merge symbol signs eliminated.
2. When vehicles in a parking zone block the line of sight to TCZ signs, the signs shall be post mounted and located in accordance with Index No. 17302.
3. If the work space extends across a crosswalk, the crosswalk should be closed using the information in Index No. 660.
4. Signs are required on the median side for divided highways.
5. The two channelizing devices directly in front and directly at the end of the work area may be omitted provided vehicles in the work area have high-intensity rotating, flashing, oscillating, or strobe lights operating.
6. For general TCZ requirements and additional information, refer to Index No. 600.


**DURATION NOTES**

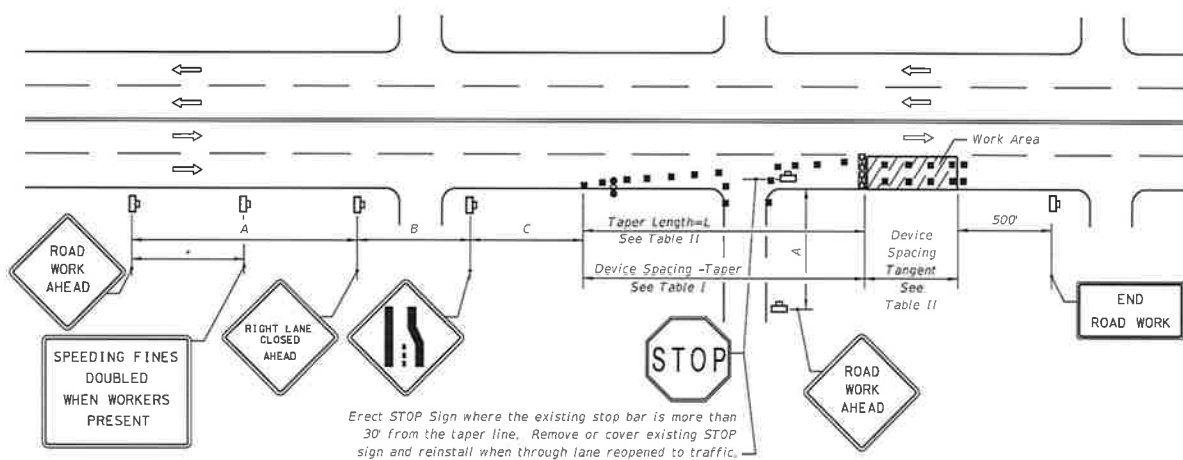
1. For work operations up to approximately 15 minutes, signs, channelizing devices, and arrow board may be omitted if all of the following conditions are met:
  - a. Speed limit is 45 mph or less.
  - b. No sight obstructions to vehicles approaching the work area for a distance equal to twice the taper length.
  - c. Volume and complexity of the roadway has been considered.
  - d. The closed lane is occupied by a class 5 or larger, medium duty truck(s) with a minimum gross weight vehicle rating (GWVR) of 16,001 lb with high-intensity, rotating, flashing, oscillating, or strobe lights mounted above the cab height and operating.
2. For work operations up to 60 minutes, the arrow board may be omitted if conditions a, b, and c in DURATION NOTE 1 are met, and vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.

**SYMBOLS**

-  Work Area
-  Work Zone Sign
-  Advance Warning Arrow Board
-  Type III Barricade
-  Channelizing Device (See Index No. 600)
-  Lane Identification + Direction of Traffic

6/16/2015 10:52:20 AM

LAST REVISION 07/01/15	REVISION	DESCRIPTION:	 <b>2016 DESIGN STANDARDS</b>	<b>MULTILANE, WORK NEAR INTERSECTION MEDIAN OR OUTSIDE LANE</b>	INDEX NO. <b>616</b>	SHEET NO. <b>1 of 3</b>
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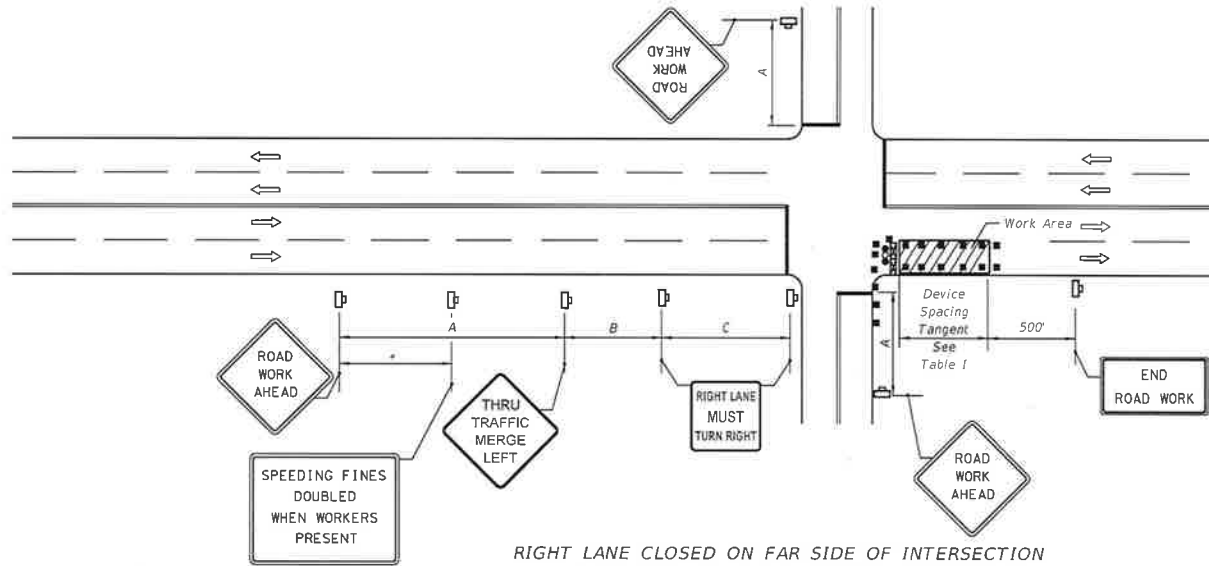
Erect STOP Sign where the existing stop bar is more than 30' from the taper line. Remove or cover existing STOP sign and reinstall when through lane reopened to traffic.

RIGHT LANE CLOSED ON FAR SIDE OF MINOR SIDESTREET

Speed	Spacing (ft.)		
	A	B	C
40 mph or less	200	200	200
45 mph	350	350	350

\* 500' beyond the ROAD WORK AHEAD sign or midway between signs whichever is less.

Speed (mph)	Max. Distance Between Devices (ft.)			
	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50



RIGHT LANE CLOSED ON FAR SIDE OF INTERSECTION WITH SIGNIFICANT RIGHT TURNING MOVEMENTS

Speed (mph)	L (ft)	Notes (Merge)
25	125	$L = \frac{WS^2}{60}$
30	180	
35	245	
40	320	
45	540	

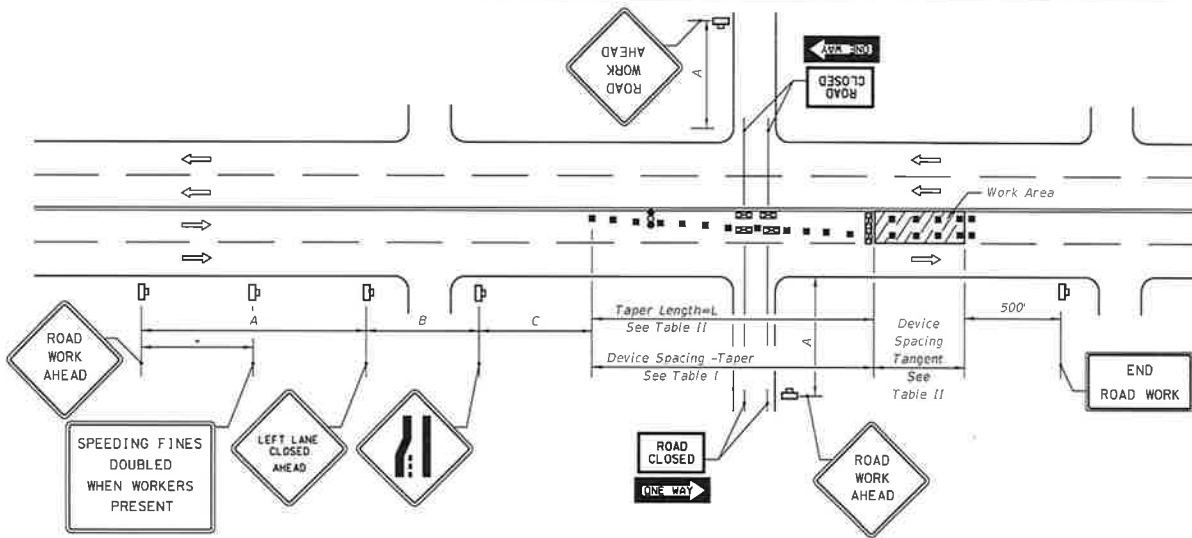
For lateral transitions other than 12', use formula for L shown in the notes column, Where:  
L = Length of taper in feet  
W = Width of lateral transition in feet  
S = Posted speed limit (mph)

1. The normal procedure is to close on the near side of the intersection any lane that is not carried through the intersection. However, when this results in the closure of a right lane having significant right turning movements, then the right lane may be restricted to right turns only as shown in this detail.

2. For intersection approaches reduced to a single lane, left turning movements may be prohibited to maintain capacity for through vehicular traffic.

07/01/2015 10:52:21 AM



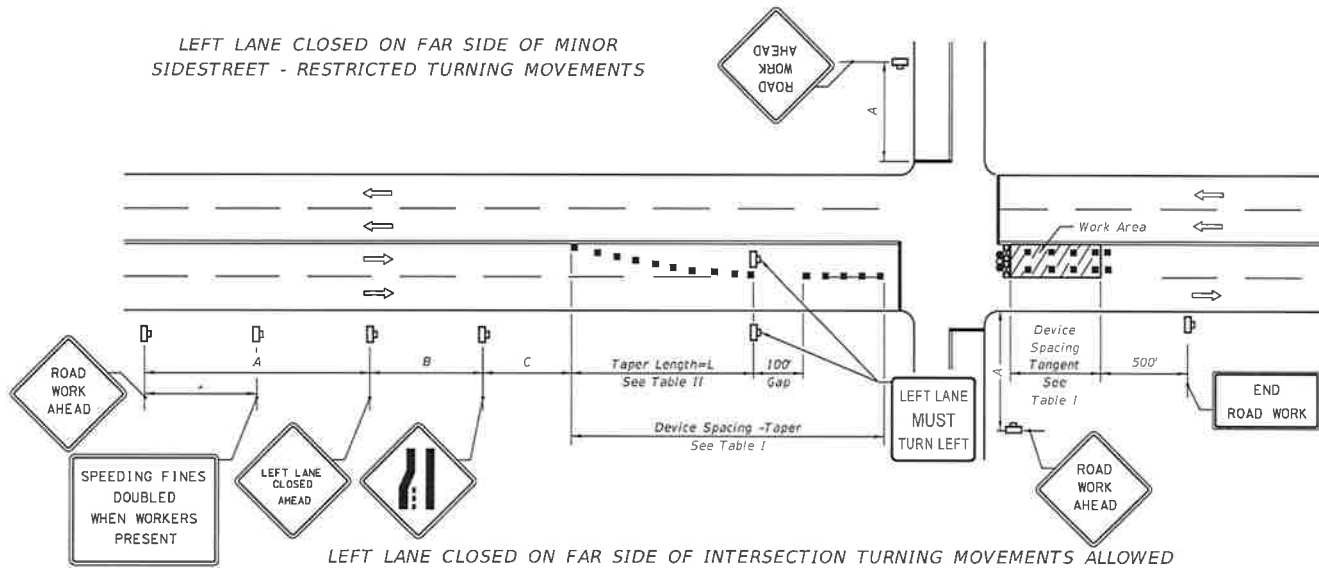


Speed	Spacing (ft.)		
	A	B	C
40 mph or less	200	200	200
45 mph	350	350	350

\* 500' beyond the ROAD WORK AHEAD sign or midway between signs whichever is less.

Speed (mph)	Max. Distance Between Devices (ft.)			
	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50

LEFT LANE CLOSED ON FAR SIDE OF MINOR SIDESTREET - RESTRICTED TURNING MOVEMENTS



Speed (mph)	L (ft.)	Notes (Merge)
25	125	$L = \frac{WS^2}{60}$
30	180	
35	245	
40	320	
45	540	$L = WS$

For lateral transitions other than 12', use formula for L shown in the notes column. Where:  
 L = Length of taper in feet  
 W = Width of lateral transition in feet  
 S = Posted speed limit (mph)

LEFT LANE CLOSED ON FAR SIDE OF INTERSECTION TURNING MOVEMENTS ALLOWED

1. The normal procedure is to close on the near side of the intersection any lane that is not carried through the intersection. However, when this results in the closure of a left lane having significant left turning movements, then the left lane may be reopened as a turn bay for left turns only as show in this detail.

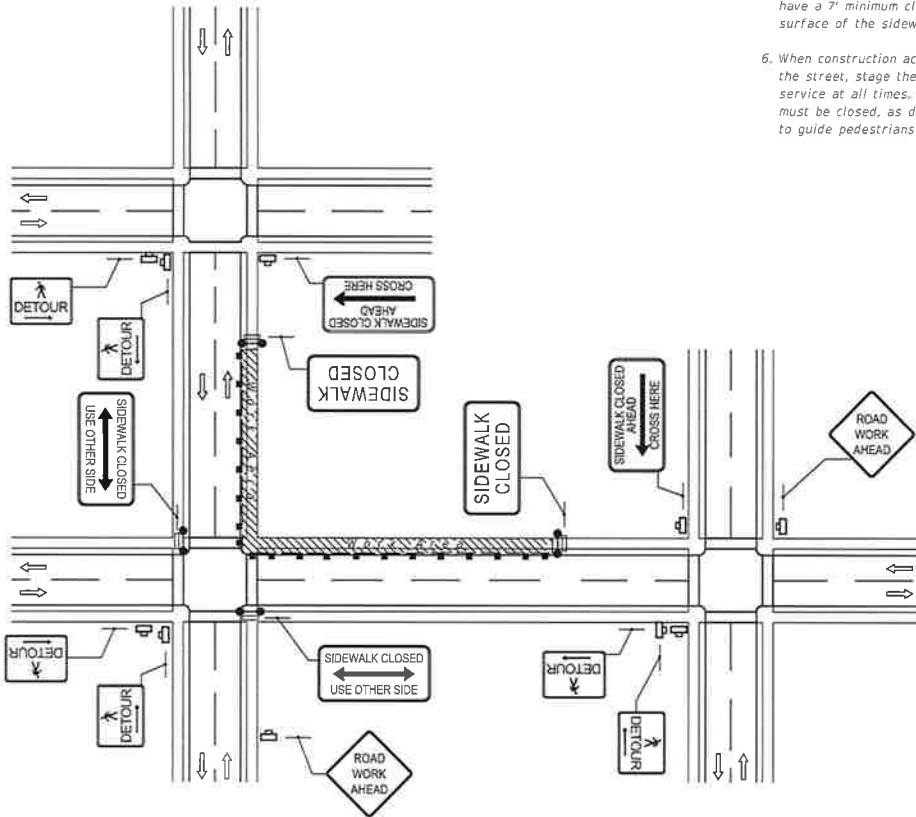
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**SYMBOLS**

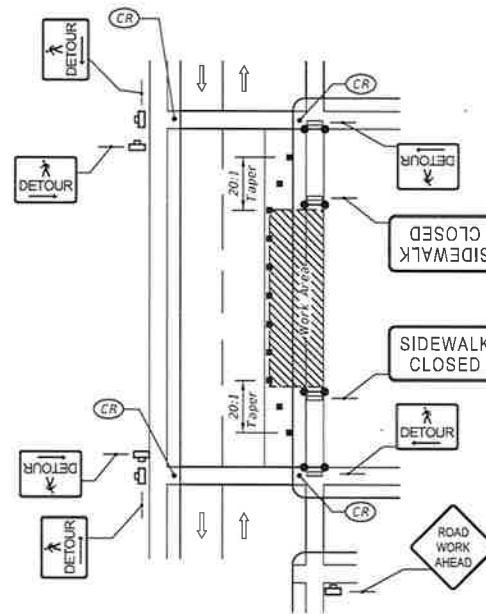
-  Work Area
-  Channelizing Device (See Index 600)
-  Work Zone Sign
-  Required Locations For Either Temporary Or Permanent Curb Ramps.
-  Lane Identification + Direction of Traffic
-  Pedestrian Longitudinal Channelizing Device (LCD) with Mounted Work Zone Sign
-  Pedestrian Longitudinal Channelizing Device (LCD)

**GENERAL NOTES**

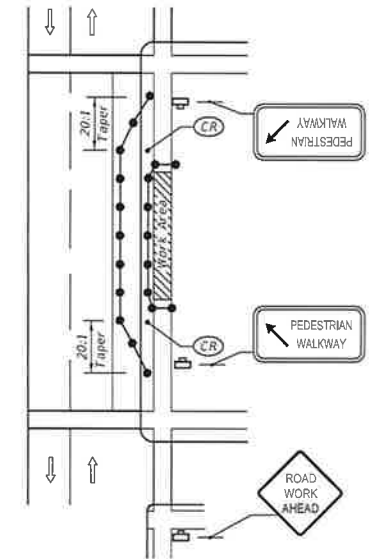
1. Route pedestrian traffic around work areas when construction activities encroach on the sidewalk for more than 60 minutes using the devices and remedies shown on this Index. Use project specific designs for scenarios not included on this Index.
2. For spacing of traffic control devices and general TCZ requirements refer to Index 600. The maximum spacing between barricades, vertical panels, drums or tubular markers is 25'.
3. Use delineators on longitudinal channelizing devices separating the work area from vehicular traffic.
4. Cover or deactivate pedestrian traffic signal display(s) controlling closed crosswalks.
5. Post mounted signs located near or adjacent to a sidewalk must have a 7' minimum clearance from the bottom of sign to the surface of the sidewalk.
6. When construction activities involve sidewalks on both sides of the street, stage the construction so that one sidewalk is in service at all times. If this is not feasible and both sidewalks must be closed, as determined by the Engineer, provide a detour to guide pedestrians around the construction zone.
7. Provide a 5' wide temporary walkway, except where space restrictions warrant a minimum width of 4'. Provide a 5' x 5' passing space for temporary walkways less than 5' in width at intervals not to exceed 200'.
8. Provide a cross-slope with a maximum value of 0.02 for all temporary walkways.
9. Temporary walkway surfaces and ramps must be stable, firm, slip resistant, and kept free of any obstructions and hazards such as holes, debris, mud, construction equipment and stored materials.
10. Remove temporary walkways immediately after reopening of the sidewalk, unless otherwise noted in the plans.
11. Meet the requirements of Index 304 for temporary curb ramps.
12. Place pedestrian longitudinal channelizing device(s) across the full width of the closed sidewalk. For temporary walkways, similar to the Sidewalk Diversion, place LCD's to delineate both sides of the temporary walkway.



CROSSWALK CLOSURE AND PESESTRIAN DETOUR




SIDEWALK DETOUR



SIDEWALK DIVERSION

11/03/2015 AR

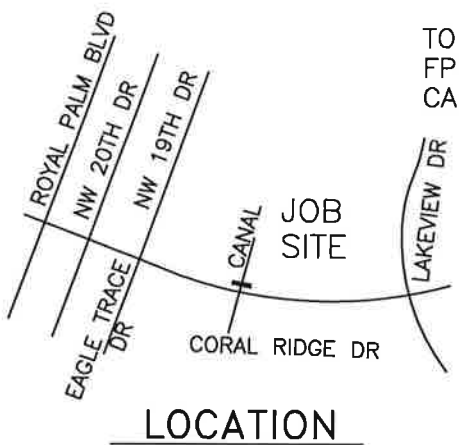
LAST REVISION 07/01/15	DESCRIPTION:	 <b>2016</b> DESIGN STANDARDS	<b>PEDESTRIAN CONTROL FOR CLOSURE OF SIDEWALKS</b>	INDEX NO. 660	SHEET NO. 1 of 1
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MHR  
 CAD NAME:  
 PLOT TIME: 6:39:30 AM  
 11/20/2015  
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 CHECKED  
 CORRECT

**CORAL SPRINGS IMPROVEMENT DIST**

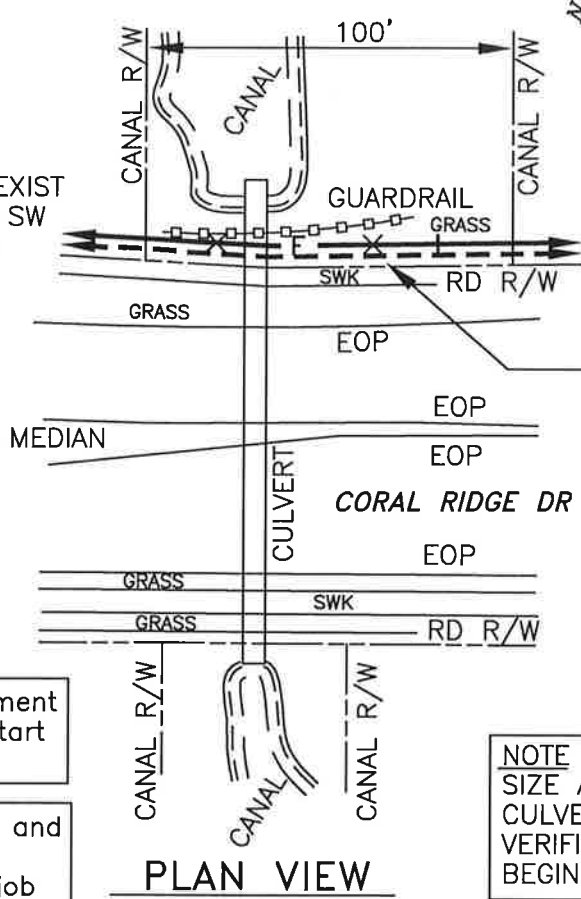
APP. \_\_\_\_\_

NO.	DATE	REVISION	BY	CH	CORR APPR	RWO/SIO/ER
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Notify Coral Springs Improvement District 48 hours prior to start of construction

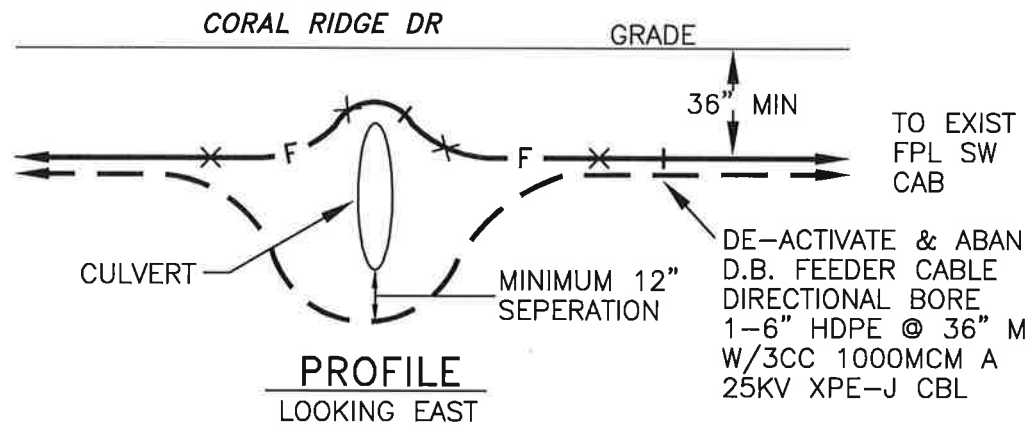
An As-Built record drawing and bore logs provided to the Improvement District once job is complete



TO EXIST FPL SW CAB

DE-ACTIVATE & ABAN D.B. FEEDER CABLE DIRECTIONAL BORE 1-6" HDPE @ 36" MIN W/3CC 1000MCM A 25KV XPE-J CBL

**NOTE**  
 SIZE AND DEPTH OF CULVERT TO BE FIELD VERIFIED PRIOR TO BEGINNING CONSTRUCTION



DE-ACTIVATE & ABAN D.B. FEEDER CABLE DIRECTIONAL BORE 1-6" HDPE @ 36" MIN W/3CC 1000MCM A 25KV XPE-J CBL

- NOTES:**
1. ALL CIRCUITS ARE EFFECTIVELY GROUNDED.
  2. POLES DO NOT EXCEED 60' IN HEIGHT.
  3. ALL UNDERGROUND UTILITIES ARE TO BE LOCATED AND IDENTIFIED PRIOR TO COMMENCEMENT OF ANY DIGGING OR BORING OPERATION

**LEGEND**


- \* — CABLE TO BE DE-ENERGIZED
- - - - PROPOSED DIRECTIONAL BORE CABLE

**MOT 612, 616, 660**

SCALE (HORIZ) 0 50' 75' 100'

(VERT) 0 5' 8' 10'

TWP 48 RNG 41 SEC 29

FOREIGN UTILITIES				REPLACE FEEDER CABLE CORAL RIDGE DR AT CANAL #L-205S CORAL SPRINGS, BROWARD CO, FL	
STM. SEWER	SAN. SEWER			DATE	10/27/15
CATV	GAS	JOB NO.	6130238		
WATER	SBT	MAP NO.	AM-0346		
		DWG. NO.	6130238-3		
		REV. NO.			

## **Fifth Order of Business**



**Analitica Consulting Group LLC**  
5013 NW 112<sup>th</sup> Way  
Coral Springs, FL 33076  
[www.analiticaconsulting.com](http://www.analiticaconsulting.com)

November 9, 2015

Coral Springs Improvement District  
c/o Jan Zilmer  
10300 NW 11th Manor  
Coral Springs, FL 33071

**SUBJECT: Proposal – Management Transformation Process - Facilitation**

Dear Jan:

We are pleased to present this consultancy services proposal to assist the management of the Coral Springs Improvement District in the design and implementation of a comprehensive transformation process, with the aspiration of becoming the leading water utility organization in the United States.

This overarching goal will be achieved through:

- a) Continuously measuring and improving operational performance,
- b) Maintaining a healthy working environment, and
- c) Establishing a collaborative culture across the organization.

**1. Scope & Methodology**

The objectives listed above will be reached through the engagement of a principal consultant from Analitica, who will devote between 50 and 60 monthly hours to this initiative.

The consultant will coordinate and facilitate meetings and workshops with managers, supervisors and with employees of CSID, and will guide them through the steps listed below:

1. Identification and prioritization of improvement opportunities.
2. Design of initiatives to be undertaken simultaneously or in sequence.

3. Establishment of key performance indicators and their respective targets.
4. Definition of procedures to capture and report operational results.
5. Certification of champions to conduct continuous improvement workshops.

## 2. Timing

The initial phase of this initiative, with the engagement of the principal consultant is expected to last between six and eight months. At the end of this phase, most departments should be able to measure and evaluate their performance and conduct their own continuous improvement workshops.

### Initial Phase (High Level Plan)

Activity	Description	Timing
Planning	<ul style="list-style-type: none"> <li>✓ Define scope</li> <li>✓ Meet the management</li> <li>✓ Plan the launch of the process</li> </ul>	November 2015
Kick-off Meeting	<ul style="list-style-type: none"> <li>✓ Introduction of the concept to all employees</li> <li>✓ Naming contest launch</li> <li>✓ Identification of opportunities</li> <li>✓ Prioritization of initiatives</li> </ul>	January 2016
Initiative Workshops (First Wave) <i>Five to Seven simultaneous initiatives</i>	<ul style="list-style-type: none"> <li>✓ Objective definition</li> <li>✓ Assignment of responsibilities</li> <li>✓ Opportunity assessment</li> <li>✓ Definition of KPIs (key performance indicators)</li> <li>✓ Development of project plan (timing and budget)</li> <li>✓ Project plan approval</li> <li>✓ Execution (weekly progress assessment)</li> <li>✓ Completion</li> <li>✓ Follow-up</li> </ul>	January 2016 through June 2016

Throughout the initial phase, the principal consultant will act as a facilitator and coordinator of the initiatives selected for the first wave. The ownership and facilitation of future initiatives will be gradually transferred to certified associates, in an effort to make the process self-sustaining.

The engagement of the principal consultant during the second phase of the program will be limited to assisting the management in specific initiatives, such as the implementation of new operational performance tools, technology upgrades, adoption of new problem solving or conflict resolution techniques, etc.

### 3. Professional Business Consulting Fees/Expenses

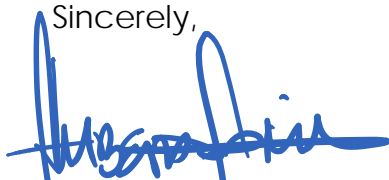
Monthly retainer of \$3,900 to provide 60 hours of consulting assistance during the first phase.

Variable hourly rate of \$120 for consulting assistance provided during the second phase, as required.

We look forward to engaging with the CSID management team in this exciting project.

Please let me know if you have questions.

Sincerely,



Humberto Florez

Managing Partner

Analitica Consulting Group, LLP

## **Sixth Order of Business**



**Consideration of Bids for Wastewater Tank Cleaning**  
**(to be sent under separate cover)**

## **Seventh Order of Business**

## **WORK AUTHORIZATION**

CSID WA # 112

Globaltech No. 165101

Pursuant to the provisions contained in the "Contract for Professional Engineering Consulting and Design-Build Services on a Continuing Contract Basis " between the CORAL SPRINGS IMPROVEMENT DISTRICT, hereinafter referred to as "OWNER", and Globaltech, Inc., hereinafter referred to as "FIRM", dated July 1, 2012 (hereinafter referred to as "AGREEMENT"), this Work Authorization authorizes the FIRM to provide services under the terms and conditions set forth herein and in the AGREEMENT, which is incorporated herein by reference as though set forth in full.

The OWNER desires engineering consulting services related to the Site 9 - Canal Bank Assessment and Stabilization Design, hereinafter referred to as the "Specific Project".

### **Section 1 – Terms**

The FIRM shall be defined as an individual, corporation or contractor having a direct contract with the OWNER or with any other subcontractor in the performance of a part of the work contracted for under the terms of this Work Authorization with the OWNER.

### **Section 2 – Scope of Work**

The FIRM will provide the following services in accordance with the AGREEMENT:

OWNER has identified a specific site (Site 9) where canal bank erosion has become a concern. The OWNER has requested that the FIRM prepare an assessment of the subject property that will include an investigation of the affected canal bank, a detailed design indicating proposed repair

methodology (using rip-rap), and a cost to complete the remediation. The project will be accomplished by providing the following six tasks:

### **Task 1 – Project Management and Site Review**

FIRM will attend up one (1) meeting with OWNER to obtain available data and to coordinate applicable project issues and goals. FIRM will obtain aerial photographs and property appraiser data from Broward County to develop project specific base maps.

FIRM conduct a field reconnaissance assessment of the subject site identified by OWNER from the canal bank. After the site visit, field data will be cataloged and documented along with site photographs.

### **Task 2 – Canal Surveying and Mapping**

FIRM will prepare a scope of work and subcontract with Avirom and Associates Surveyors, Inc. (Avirom). FIRM will coordinate work with Avirom, the OWNER and the individual property owners to ensure that the required, requested survey data is obtained. Data will consist of a Records Survey of existing properties, cross-sections at 50-foot intervals, and elevations at each observable grade break from the centerline of canal extending approximately 20 feet onto private property. Elevations will be referenced to NGVD 1929 vertical datum. ADA will use survey data to prepare cross sectional designs for private property remediation and plan drawings presented in the **Final Design** (Task 6).

### **Task 3 – Subsurface Exploration**

FIRM will prepare a scope of work for a geotechnical engineering and testing firm to conduct a subsurface investigation at the subject site. FIRM will subcontract with Terracon Engineering and Testing, Inc. (Terracon) and will coordinate work between OWNER, Terracon and adjacent home owners. Terracon will review existing subsurface, cross section and dive team data related to site determine locations for additional subsurface exploration. Locations will be cleared through Sunshine State One Call.

One Standard Penetration Test will be conducted to a depth of 25 feet to establish regional soil / limestone cross-sections. The soil boring will be conducted along the right-of-way of Rablewood Drive (adjacent to Site 9) hand auger borings and hand penetrometers will be used to supplement information from along the specific canal embankment. Samples from the boring will be visually inspected and classified using the USCS system. FIRM and ADA will review collected data and will ensure that the required, requested geotechnical data is gathered. Terracon will conduct an analysis of the existing canal slopes to assess stability and will provide recommendations to ADA for final slope design.

ADA will evaluate information provided by Terracon and will use this information to prepare design profiles of the preferred canal bank stabilization techniques to be implemented at the specific site. This data will be summarized in the **Report of Findings** and incorporated into the **Final Design** (Task 5).

#### **Task 4 – Canal Bank Dive Inspection**

FIRM will prepare a scope of work for an underwater dive inspection at the specific site where it is anticipated that canal bank erosion of the existing limerock layer has occurred. FIRM will subcontract with Industrial Divers Corporation (IDC) and will coordinate work between OWNER, IDC and adjacent home owners. A three person dive team will inspect the submerged shoreline and canal bank from water line to the toe of the slope and measure the typical slope on 50-foot stations and on the property line, survey quality GPS will be used to mark each starting location site. Each cross-section will include the depth of the toe and the horizontal distance of the toe of the slope from the water line which will provide the submerged slope. Any overhanging limestone ledges will be measured for horizontal extend, the depth of the undermining measured with a grade rod and the location of the center of the greatest extent of undermining delineated with an additional cross-section location. FIRM and ADA will review collected

data and will ensure that the required, requested data is gathered and will be on site during the first half day of dive inspections. ADA will compile information provided by IDC and will use this information to prepare sketches of the observations for **Report of Findings** (Task 5).

### **Task 5 – Site 9 – Report of Findings**

Firm in cooperation with ADA Engineering, Inc. (ADA) will use the information collected in Tasks 1 – 4 to prepare a Draft – Site 9 Report of Findings. The report will present the following information:

- Executive Summary
- Summary of collected data (available data, field assessment, planning level survey, geotechnical investigation, and diving inspection)
- Documentation of existing conditions of the canal bank at Site 9
- Categorization of the level of canal bank stability in terms of canal slope conditions and need for stabilization
- Proposed method of canal stabilization in areas that require remedial action

Following review by the OWNER, five copies of the FINAL Report will be submitted. The FIRM will summarize the results of the summary report in a presentation to the Board.

### **Task 6 – Design and Cost Estimate**

Based on the information presented in the Final Report of Findings (Task 5) FIRM with ADA's assistance will prepare construction plans with details and specification notes to implement a stone rip-rap canal bank stabilization at Site 9. It is assumed that all work will be conducted from the north canal bank and on the adjacent private property and that an agreement between OWNER and private property owners is achieved prior to beginning detailed design.

The construction plans will be executed to the 60-percent complete level (sufficient to be executed by the FIRM) and will include the following sheets (8 total sheets):

- Cover Sheet (1 sheet)
- Key Sheet (1 sheet)
- General Notes and Legend (1 sheet)
- Typical Section Sheets (1 sheets)
- Plan Sheets (1 sheets)
- Cross Section Sheets ( 1 sheets)
- Detail Sheets ( 1 sheets)
- Pollution Prevention Plan Sheets (1 sheets)

FIRM will develop supplemental specifications to clarify the work activities and sequence of work. Specifications will be incorporated on the construction plans.

FIRM will develop and submit three (3) sets of construction contract documents (plans, notes and clarifications) for review and comment by CSID at the 60 percent completion milestones. With the Final, 60-percent design, FIRM will prepare and submit a Work Authorization for the implementation of the canal stabilization work which includes a firm cost for construction.

### **Assumptions**

Assumptions for the project are as follows:

- FIRM will coordinate assessment work with adjacent property owners. Support and the development of an access agreement between the OWNER and the property owners will be required before work begins on Task 6.

- Utility location will be included in the base survey. Future contractor will need to verify utility locations with location service prior to commencing work.
- Permit applications for implementing the proposed improvements are not part of this evaluation.
- A significant alternatives evaluation will not be conducted to evaluate various remedial approaches. It is assumed that a rip-rap solution will be implemented.
- Construction plans will be developed to the 60-percent complete level; sufficient for execution by FIRM. Should OWNER desire to advertise and competitively bid project construction, the plans and specifications will be developed to 100-percent completion for additional fee.
- Bidding support services are not included in this evaluation.

### **Section 3 – Location**

The services to be performed by the FIRM shall be at Site 9 and include the following two properties:

- 233 NW 84<sup>th</sup> Way
- 217 NW 84<sup>th</sup> Way

### **Section 4 – Deliverables**

The FIRM will provide the following Deliverables to OWNER:

- Draft and Final – Site 9 – Report of Findings
- 60-percent Design – Site 9 Canal Bank Remediation

### **Section 5 – Time of Performance**

Project will commence after execution of this Work Authorization. The FIRM and OWNER agree to the following schedule:



<b>Task</b>	<b>Time Elapsed to Subtask Completion</b>
Notice to Proceed (NTP)	0 Days
Data gathering	6 weeks after NTP
Draft Report	10 weeks after NTP
Final Report	12 weeks after NTP
Draft 60-percent Design	16 weeks after NTP
Final Design with Work Authorization for Construction	18 weeks after NTP

### **Section 6 – Method and Amount of Compensation**

1. The FIRM shall be paid by the OWNER in accordance with the Florida's Prompt Payment Act Florida Statute 218.70-79 and in accordance with the payment method as set forth in Section 6 of the AGREEMENT. The calculations shall begin using the date the invoice was received.
2. Total job price: **\$48,485**. No allowance is included in the proposed fee.
3. The cost for the above scope of services is a lump sum (LS). The LS is based on the materials, methods, and assumptions presented in the scope of services. The LS shall not be greater than the stated amount unless there is an approved increase in the scope of services.
4. A Budget Summary for the above LS is provided in Attachment A.

### **Section 7 – Application for Progress Payment**

1. Unless otherwise prescribed by law, at the end of each month, the FIRM shall submit to the OWNER for review, an Application for Progress Payment filled out and signed by the FIRM covering the Work completed as of the date of the Application and accompanied by such supporting documentation as is required by the AGREEMENT.

## Section 8 – Responsibilities

The FIRM shall, under no circumstance, look to the OWNER to provide any labor or equipment for the FIRM not specified herein. The FIRM shall provide all of the labor and equipment necessary to perform the job or services contracted for at the expense of the FIRM. Property of any kind that may be on the premises, which are the site of the performance of this contract, during the performance of this Work Authorization, shall be at the sole risk of the FIRM.

- 8.1** The OWNER hereby designates Randy Frederick as the OWNER's representative.
- 8.2** In addition to applicable provisions of Section 2 of the AGREEMENT, the OWNER will:
- Provide copies of existing drawings and equipment cut sheets if requested by FIRM
  - Pay for any required permit fees

The FIRM acknowledges and understands that it is an independent contractor in its relationship with the OWNER. The FIRM hereby designates Rick Olson as the FIRM's representative.

## Section 9 – Insurance

The FIRM shall provide certificate of insurance to the OWNER setting forth the type and amount of insurance carried by the FIRM and conforming to the minimum requirements set forth in the AGREEMENT.

## Section 10 – Level of Service

The OWNER shall have the right to terminate said Agreement by giving the FIRM thirty (30) days written notice if the service that is being provided is not maintained at levels necessary to provide the required service. The

OWNER will determine in its sole judgment what constitutes a satisfactory level of service.

**Section 11 – Indemnification**

The Firm shall indemnify and hold harmless the Owner and its officers and employees as set forth in Section 11 of the Agreement.

IN WITNESS WHEREOF, this Work Authorization, consisting of ten (10) pages and Attachment A has been caused fully executed on behalf of the FIRM by its duly authorized officer, and the OWNER has the same to be duly name and in its behalf, effective as of the date herein above written.

**CORAL SPRINGS IMPROVEMENT DISTRICT**

\_\_\_\_\_  
Signature of Witness

\_\_\_\_\_  
Signature of President

\_\_\_\_\_  
Printed name of Witness

Dr. Marty Shank  
\_\_\_\_\_  
Printed Name of President

\_\_\_\_\_  
Date

Approved as to form and legality

\_\_\_\_\_  
District Counsel

**ENGINEER**

State of Florida  
County of Broward

Globaltech, Inc.  
\_\_\_\_\_  
Company

The foregoing instrument was

acknowledged before me on this

\_\_\_ day of \_\_\_\_\_, 2013 by

\_\_\_\_\_  
who is personally known to me OR  
produced \_\_\_\_\_  
as identification.

\_\_\_\_\_  
Signature of Notary

\_\_\_\_\_  
Signature

Troy Lyn, P.E., Vice President  
Name and Title (typed or printed)

\_\_\_\_\_  
Date

# **Attachment A**

## **Budget Summary**

**ATTACHMENT A**

WA#112 - Site 9 Canal Bank Assessment and Stabilization Design

**Budget Summary**

Task	Task Description	Officer	E6	E4	CADD	Adm 3	Adm 1	Total Labor	*Sub-Consultant Services	Sub-Consultants
		\$210.00	\$175.00	\$150.00	\$85.00	\$75.00	\$50.00			
<b>1</b>	<b>Project Management and Site Review</b>									
	Project Management		12				4			
	Coordination Subconsultants and Homeowners		16			2	2		1,470	ADA
									340	TCI
	<b>Subtotal Task 1</b>	<b>0</b>	<b>28</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>6</b>	<b>5,350</b>	<b>1,810</b>	
<b>2</b>	<b>Canal Surveying and Mapping</b>									
	Project Management/Coordination		4			1	2			
	Canal Surveying and Mapping		2						2,800	AA
	Data Review		4				2		0	
	<b>Subtotal Task 2</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>2,025</b>	<b>2,800</b>	
<b>3</b>	<b>Subsurface Exploration</b>									
	Project Management/Coordination		4			1	2			
	Subsurface Exploration		2						3,075	TCI
	Slope Stability Analysis								2,680	TCI
	Data Review		4				2			
	<b>Subtotal Task 3</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>2,025</b>	<b>5,755</b>	
<b>4</b>	<b>Canal Bank Dive Inspection</b>									
	Project Management/Coordination		2			1	2			
	Canal Dive Inspection		6							
	Data Review		2				2		3,500	IDC
	<b>Subtotal Task 4</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>2,025</b>	<b>3,500</b>	
<b>5</b>	<b>Report of Findings</b>									
	Summary of Field Investigating	2	8				4			
	Meeting to discuss remedial approach		8							
	<b>Subtotal Task 5</b>	<b>2</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>3,420</b>	<b>0</b>	
<b>6</b>	<b>Site 9 - Design &amp; Cost Estimate</b>									
	Project Management/Coordination		4							
	Design Drawings and Slope review								12,075	ADA
	Design Review		2							
	Construction Cost Estimate		8				2		1,105	TCI
	Meetings with Client to review method and cost		4				2			
	<b>Subtotal Task 6</b>	<b>0</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>3,350</b>	<b>13,180</b>	
	Labor Subtotal Hours	2	92	0	0	5	26	125		
	Labor Subtotal	\$420	\$16,100	\$0	\$0	\$375	\$1,300	18,195		
	<b>Labor Total</b>							<b>18,195</b>		
	Subconsultant Labor Total								27,045	
	Subconsultant Multiplier								1.12	
	<b>Subcontract Total</b>								<b>30,290</b>	
	<b>TOTAL</b>								<b>48,485</b>	

ADA - A.D.A Engineering, Inc.  
 TCI - Terracon Consultants Inc.  
 AA - Aviom & Associates  
 IDC - Industrial Divers Corporation

## **Eighth Order of Business**

**8A.**





## MBS CAPITAL MARKETS, LLC

### INVESTMENT BANKING AGREEMENT REGARDING BOND ISSUANCES BY CORAL SPRINGS IMPROVEMENT DISTRICT

February 22, 2016

Board of Supervisors  
Coral Springs Improvement District

Dear Supervisors:

MBS Capital Markets, LLC (the "Investment Banker" or "Underwriter") offers to enter into this agreement with the Coral Springs Improvement District (the "District") which, upon your acceptance of this offer, will be binding the District and the Investment Banker. This agreement relates to the potential issuance of one or more series of bonds (the "Bonds") for the purpose of refunding the District's outstanding Series 2007 bonds.

1. **Scope of Services:** The Investment Banker proposes that its duties, among others, shall include the following:
  - (i) To analyze, from time to time at the request of the District, or at the Investment Banker's discretion, the current status of development within the District and the corresponding changes in underlying credit for the District's outstanding Bonds in order to determine the financial benefits of any potential refunding opportunities;
  - (ii) To prepare a credit package for submittal to one or more nationally recognized rating agencies, as may be applicable, at such time as a refunding becomes economically feasible;
  - (iii) To collect, analyze and distribute information which will become the basis of an offering statement for the Bonds;
  - (iv) To work with the District's counsels and consultants in the preparation of bond documents;
  - (v) To introduce potential investors to the District who may purchase Bonds. In the case of unrated securities, these investors shall be "accredited investors" under the rules of the Florida Department of Banking and Finance;
  - (vi) To structure, market and sell or place the Bonds;

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4890 WEST KENNEDY BLVD. SUITE 940  
TAMPA, FLORIDA 33609  
PHONE: 813.281.2700

152 LINCOLN AVENUE,  
WINTER PARK, FLORIDA 32789  
PHONE: 407.622.0130

8583 STRAWBERRY LANE  
LONGMONT, COLORADO 80503  
PHONE: 303.652.0205

1005 BRADFORD WAY  
KINGSTON, TENNESSEE 37763  
PHONE: 865.717.0303



## MBS CAPITAL MARKETS, LLC

- (vii) To act as principal and purchase the Bonds for the Investment Banker's own account with the intent to resell if the Bonds are to be publicly offered rather than privately-placed provided that the Bonds have been structured in a fashion satisfactory to the Investment Banker;
  - (viii) To assist the District in negotiating the bond documents with selected institutions in the event that the District elects to privately-place Bonds;
  - (ix) To obtain CUSIP numbers and pay any fees required pursuant to MSRB rules in effect at the time of closing in the event that the District elects to privately-place Bonds; and
  - (x) To perform any other duties necessary to provide for the sale or placement of the Bonds.
2. **Fees:** The Investment Banker will be responsible for its own out-of-pocket expenses other than the fees and disbursements of underwriter's or disclosure counsel which fees shall be paid from the proceeds of the Bonds. Any fees payable to the Investment Banker will be contingent upon the successful sale and delivery or placement of the Bonds. The underwriting fee for the sale or placement of the Bonds will be 2% of the par amount of Bonds issued.
  3. **Termination:** Both the District and the Investment Banker will have the right to terminate this Agreement without cause upon 90 days written notice to the non-terminating party.
  4. **Purchase Contract:** At or before such time as the District gives its final authorization for the Bonds, the Investment Banker and its counsel, if any, will deliver to the District a purchase or placement contract (the "Contract") setting forth its rights and duties in connection with such purchase or placement as well as detailing the terms of the Bonds.
  5. **Notice of Meetings:** The District shall provide timely notice to the Investment Banker for all regular and special meetings of the District. The District will provide, in writing, to the Investment Banker, at least one week prior to any meeting, except in the case of an emergency meeting for which the notice time shall be the same as that required by law for the meeting itself, of matters and items for which it desires the Investment Banker's input.
  6. **Disclosures Concerning the Underwriter's Role Required by MSRB Rule G-17.** The Municipal Securities Rulemaking Board's Rule G-17 requires underwriters to make certain disclosures to issuers in connection with the issuance of municipal securities. Those disclosures are attached hereto as "Exhibit A." By execution of this Agreement, you are acknowledging receipt of the same.





# MBS CAPITAL MARKETS, LLC

This Agreement shall be effective upon your acceptance hereof and shall remain effective until such time as the Agreement has been terminated in accordance with Section 3 hereof.

Sincerely,  
**MBS Capital Markets, LLC**

A handwritten signature in black ink that reads "Rhonda Mossing". The signature is fluid and cursive, with a long, sweeping tail that loops back under the name.

Rhonda Mossing  
Managing Partner

Approved and Accepted By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_



## MBS CAPITAL MARKETS, LLC

### EXHIBIT A

#### **Disclosures Concerning the Underwriter's Role**

- (i) Municipal Securities Rulemaking Board Rule G-17 requires an underwriter to deal fairly at all times with both municipal issuers and investors;
- (ii) The Underwriter's primary role is to purchase securities with a view to distribution in an arm's-length commercial transaction with the District and it has financial and other interests that differ from those of the District;
- (iii) Unlike a municipal advisor, the Underwriter does not have a fiduciary duty to the District under the federal securities laws and is, therefore, not required by federal law to act in the best interests of the District without regard to its own financial or other interests;
- (iv) The Underwriter has a duty to purchase securities from the District at a fair and reasonable price, but must balance that duty with its duty to sell municipal securities to investors at prices that are fair and reasonable; and
- (v) The Underwriter will review the official statement for the District's securities in accordance with, and as part of, its responsibilities to investors under the federal securities laws, as applied to the facts and circumstances of the transaction.

#### **Disclosure Concerning the Underwriter's Compensation**

Underwriter's compensation that is contingent on the closing of a transaction or the size of a transaction presents a conflict of interest, because it may cause the Underwriter to recommend a transaction that it is unnecessary or to recommend that the size of the transaction be larger than is necessary.

#### **Conflicts of Interest**

**Payments to or from Third Parties.** There are no undisclosed payments, values, or credits to be received by the Underwriter in connection with its underwriting of this new issue from parties other than the District, and there are no undisclosed payments to be made by the Underwriter in connection with this new issue to parties other than the District (in either case including payments, values, or credits that relate directly or indirectly to collateral transactions integrally related to the issue being underwritten). In addition, there are no third-party arrangements for the marketing of the District's securities.

**Profit-Sharing with Investors.** There are no arrangements between the Underwriter and an investor purchasing new issue securities from the Underwriter (including purchases that are contingent upon the delivery by the District to the Underwriter of the securities) according to which profits realized from the



## MBS CAPITAL MARKETS, LLC

resale by such investor of the securities are directly or indirectly split or otherwise shared with the Underwriter.

**Credit Default Swaps.** There will be no issuance or purchase by the Underwriter of credit default swaps for which the reference is the District for which the Underwriter is serving as underwriter, or an obligation of that District.

**Retail Order Periods.** For new issues in which there is a retail order period, the Underwriter will honor such agreement to provide the retail order period. No allocation of securities in a manner that is inconsistent with an District's requirements will be made without the District's consent. In addition, when the Underwriter has agreed to underwrite a transaction with a retail order period, it will take reasonable measures to ensure that retail clients are bona fide.

**Dealer Payments to District Personnel.** Reimbursements, if any, made to personnel of the District will be made in compliance with MSRB Rule G-20, on gifts, gratuities, and non-cash compensation, and Rule G-17, in connection with certain payments made to, and expenses reimbursed for, District personnel during the municipal bond issuance process.

**RESOLUTION 2016-3**

**A RESOLUTION OF THE BOARD OF SUPERVISORS OF THE CORAL SPRINGS IMPROVEMENT DISTRICT ADOPTING CERTAIN RATES, FEES AND CHARGES FOR EMERGENCY REPAIRS BILLED TO OUTSIDE CONTRACTORS AND COMPANIES FOR DAMAGES TO DISTRICT INFRASTRUCTURE**

**WHEREAS**, Chapter 2004-469 Laws of Florida authorizes the Board of Supervisors of the Coral Springs Improvement District, hereinafter referred to as District, to prescribe, establish and collect rates, fees, rentals and other charges and to revise same from time to time for the facilities and services provided by the District; and

**WHEREAS**, Chapter 2004-469 Laws of Florida requires the District to conduct a public hearing and to advertise the same for the purpose of hearing comments and objections to the proposed rates, fees and charges; and

**WHEREAS**, on January 22, 2016, said public hearing was conducted by the Board of Supervisors of the District, notice of such public hearing having been published as required by Chapter 2004-469 Laws of Florida.

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF SUPERVISORS OF THE CORAL SPRINGS IMPROVEMENT DISTRICT, BROWARD COUNTY, FLORIDA:**

1. The rates and fees for emergency repairs for damage to District infrastructure is as follows:
  - Labor rate per employee per hour - \$45.00 per hour.
  - Afterhours (overtime) labor rate per employee per hour - \$67.50 per hour.
  - Use of backhoe equipment (includes operator) - \$130.00 per hour.
  - Afterhours (overtime) use of backhoe equipment - \$152.50 per hour.
  - Charge for sewer line cleaning machine - \$65.00 per hour.
2. This Resolution shall become effective on February 22, 2016.

PASSED AND ADOPTED THIS 22<sup>ND</sup> DAY OF FEBRUARY, 2016.

---

Nick St. Cavish  
Secretary

---

Dr. Martin Shank  
President

**8B.**

**Globaltech, Inc.**  
**CSID Engineer's Report**  
**February 10, 2016**

**PROJECTS UNDER CONTRACT**

**WA # 98 Storm Water Site Development Criteria – In progress**

- Final criteria has been submitted to staff. Awaiting comments back.

**WA #101 Well 4R and 7R Construction – In progress**

- Well 4R is substantially complete and operational. Punch list items developed with staff are being addressed. Assessing strainer fouling issue during startup of well.

**WA #106 – Lime Plant Demolition Design – In progress**

- Working on drafting report.

**WA #107 – WTP Four-Log BCHD Submittal – In agency review**

- Beginning preparation of RFI#2 response. Data collection to be finalized.

**WA #108 – HSPs 5 and 6 Pump and Motor Installation – In progress**

- Pump pedestals came in wrong. Having them redone.

**WA #109 – WWTP Blower Study - In progress**

- Met with staff to kickoff project and visit site. Review parameters of evaluation.
- Installed power meter on one blower.

**WA #110 – Degasifier Cleaning Pump - In progress**

- Placed order for mobile cleaning pump.

**WA #111 – Train 3 Flow Meter Repair - In closeout**

- Removed flow meter and had staff inspect before reinstalling in opposite orientation.

**PROJECTS PENDING**

- WA #112 – Effluent Pump Station Electrical Improvements – Submitted to staff. Awaiting approval
- WA#\_\_\_ - Canal Bank Restoration of Site 1A – WA in development. Awaiting cost from 2 other subcontractors.
- WA #\_\_\_ – Margate interconnect – Received staff approval to proceed with WA development. Development in progress.
- WA #\_\_\_ - Canal Bank Restoration of Site 9 – WA in development.



**8C.**

**Coral Springs Improvement District  
Utility Billing Work Orders**

<b>2016</b>	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	TOTAL
<i>Customer Inquiry requiring work order</i>	28												28
<i>Mis-Reads</i>	5												5
<i>Meter Calibration Tests</i>	0												0

<b>2015</b>	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	TOTAL
<i>Customer Inquiry requiring work order</i>	40	27	33	33	43	43	40	37					296
<i>Mis-Reads</i>	4	2	0	0	0	1	0	3					10
<i>Meter Calibration Tests</i>	1	2	0	0	0	0	0	0					3

<b>2014</b>	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	TOTAL
<i>Customer Inquiry requiring work order</i>	33	43	45	60	50	73	45	52	47	43	51	52	594
<i>Mis-Reads</i>	7	5	8	5	3	9	4	2	0	6	3	3	55
<i>Meter Calibration Tests</i>	0	0	0	0	0	0	1	0	0	0	0	0	1

Coral Springs Improvement District  
Utilities Update  
February 2016 Board Meeting

**Phosphate Biocatalyst Testing**

MWH completed the pilot testing in of the phosphate biocatalyst in Mobile Alabama. They have indicated that the results are promising. They intend to set up the bench work at John Hopkins University in March. Harold has promised to send us a copy of his presentation on the results of the Mobile Alabama study.

**Generator Diesel Spill Clean Up**

URS has completed the Site Assessment Report for and it has been approved by Broward County. The installation of the remediation equipment is expected to be completed by the end of the month. This process has been slightly delayed due to the schedule of their subcontractor.

**Margate Interconnect**

Met with Globaltech to discuss route for pipeline and give go-ahead to develop Work Authorization. Contacted Utility Director at Margate and updated him on progress of Interconnect.

Coral Springs Improvement District  
Report to Board of Directors for Water Plant  
Report includes updates through 2/12/2016

- Well 4R- We are going through the punch list with Globaltech and getting all of the minor issues resolved. We are seeing a bit of sand coming from the well and are currently working on identifying the cause. We believe it may just need to be run and flushed to remove the leftover sediment from the well's construction. We have shared our ideas with Globaltech and together we have come up with a plan of action which has already been initiated. Updates to follow.
- Well 3- We believe the issue at well 3 to be the pump. We will know for sure once the well is pulled. We have ordered a pump and it is due to arrive by the 19<sup>th</sup> of this month. Once it is here we will schedule Advanced Well Drilling to come out and pull the well to replace the pump if we determine it to be the issue. The motor checks out as good when it was inspected by a technician.
- Pipe trench sump pump- One of our main pipe trench sump pumps in the RO building has failed. The cost of rewinding the motor was \$2,240. We originally received a quote for \$3,700 for a new replacement from the same vendor. After shopping around we were able to purchase a new one for \$2,975. The vendors did not recommend rewinding the motor due to its application being submersed and in contact with harsh chemicals.
- Train three flow meter- As outlined in Work Authorization #111 Globaltech has come in and re oriented the flow tube on train #3 in the correct direction. The instrument tech came in and adjusted the parameters to match those found in trains 1 and 2. There doesn't seem to be a significant change but we now know we are working with good data.
- Staff- We are scheduled to meet with Humberto on the 18<sup>th</sup>. Our operators already have a few good ideas they are excited to discuss with him. We have two interviews scheduled for 2/17 for the full time position. Both applicants have Reverse Osmosis experience. Our part time employee has re acclimated nicely as expected and is already prepared to work shifts on his own which will begin soon.

Coral Springs Improvement District  
Wastewater Department Report  
February 2016 Board Meeting

## **Ongoing Projects**

Globaltech has notified the District that they are progressing with the following approved work authorizations (WA):

### **WA # 109 – Wastewater Treatment Plant Blower Study**

- Site inspection was done on February 4, 2016. A power logger was installed on Blower 4 to monitor power usage. Once the power logger study has been complete, Globaltech will be analyzing the different options for optimizing blowers.

## **Operations**

### **Blower 1 repair**

- Blower 1 repairs are completed and blower 1 has been put back in service. No issues to report.

### **Plant E is being taken offline for annual maintenance.**

- Plant E tank cleaning pre-bid meeting is scheduled for Friday February 12, 2016. Sealed bids will be received until 11:00am, Eastern Time on Tuesday February 16, 2016. Tank cleaning contract will be presented to the Board for approval.

Coral Springs Improvement District  
Drainage Department Report  
February 22, 2016 Meeting

- Pre bid meeting on 2/22/16 for pump conversion project
- 3,000 Triploid grass carp have been ordered but no delivery date is set
- Recorded rainfall for January was 11.33 in. Rainfall in previous years for the same month averaged between 1 to 2 in.

Coral Springs Improvement District's Water Distribution and Wastewater collection

Department Report

2-22-16 board Meeting

- \* There were 22 water breaks in the month of January, one being a water main break
- \* LMK is still lining sewer mains for the lift station 8 lining Project
- \* The field department is currently looking into water loss figures to explore the possibilities for a water Loss study
- \* With fewer line breaks, the field department has been able to continue service line replacement
- \* On Thursday February 24 and 25 a Forklift operator training class will be done here on site. Many essential district personnel will be attending.
- \* We are planning to start our annual Cross Connection Control Survey on February 23, starting with Businesses along University Dr.

# FINANCIALS



# **Coral Springs Improvement District**

Financial Reporting  
for  
JANUARY 2016

February 22, 2016  
Board of Supervisors Meeting

**Coral Springs Improvement District**  
Balance Sheet  
All Fund Types and Account Groups

January 31, 2016

Description	General Fund	Water & Sewer Fund	General Fixed Assets	Totals
<b>ASSETS</b>				
Cash & Cash Equivalents:				
Checking Accounts	\$ 2,765,172	\$ 10,715,728	\$ -	\$ 13,480,900
Cash on Hand	-	500	-	500
Money Market Accounts	4,085,182	7,136,443	-	11,221,625
State Board of Admin. (Net)	-	-	-	-
Certificates of Deposit	260,928	257,486	-	518,414
Restricted Cash	-	-	-	-
Restricted Investments	-	5,214,955	-	5,214,955
Accounts Receivable	-	603,150	-	603,150
Unbilled Utility Revenues Receivable	-	767,700	-	767,700
Accrued Interest Receivable	3,621	4,675	-	8,296
Due from Other Funds	-	37,452	-	37,452
Due from Other District-Trash Bond	-	2,500	-	2,500
Prepaid Expenses	17,375	223,470	-	240,845
Land	-	361,739	553,200	914,939
Easements	-	394,998	-	394,998
Meters in Field (Net)	-	1,615,218	-	1,615,218
Machinery & Equipment (Net)	-	427,260	671,792	1,099,052
Imp. Other than Bldgs (Net)	-	56,977,721	6,766,470	63,744,191
Buildings (Net)	-	206,663	-	206,663
Construction in Progress	-	1,036,606	4,353,577	5,390,183
<b>Total Assets</b>	<b>\$ 7,132,278</b>	<b>\$ 85,984,264</b>	<b>\$ 12,345,039</b>	<b>\$ 105,461,581</b>

**Coral Springs Improvement District**  
 Balance Sheet  
 All Fund Types and Account Groups  
 January 31, 2016

Description	General Fund	Water & Sewer Fund	General Fixed Assets	Totals
<b><u>LIABILITIES</u></b>				
Accounts Payable	\$ 95,636	\$ 183,487	\$ -	\$ 279,123
Contracts Payable	-	-	-	-
Retainage Payable	105,220	-	-	105,220
Accrued Int Payable-2007 Series	-	322,662	-	322,662
Accrued R & R Reserve	-	-	-	-
Accrued Wages Payable	11,762	77,654	-	89,416
Accrued Vac/Sick Time Payable	-	210,029	-	210,029
Pension Payable	-	-	-	-
Utility Tax Payable	-	-	-	-
Payroll Taxes Payable	-	-	-	-
Deposits	15,000	563,340	-	578,340
Due to Other Funds	37,452	-	-	37,452
Net OPEB Obligation	-	211,948	-	211,948
Bonds Payable	-	42,130,000	-	42,130,000
Bond Discount-2007 Series	-	(660,247)	-	(660,247)
<b>Total Liabilities</b>	<b>265,070</b>	<b>43,038,873</b>	<b>-</b>	<b>43,303,943</b>
<b><u>FUND BALANCE / NET POSITION</u></b>				
Fund Balance:				
Unspendable	17,375	-	-	17,375
Assigned	4,850,000	-	-	4,850,000
Unassigned	1,999,833	-	-	1,999,833
Net Position	-	42,945,391	-	42,945,391
Investment in GFA	-	-	12,345,039	12,345,039
<b>Total Fund Balance / Net Assets</b>	<b>6,867,208</b>	<b>42,945,391</b>	<b>12,345,039</b>	<b>62,157,638</b>
<b>Total Liabilities &amp; Fund Balance / Net Assets</b>	<b>\$ 7,132,278</b>	<b>\$ 85,984,264</b>	<b>\$ 12,345,039</b>	<b>\$ 105,461,581</b>

**Coral Springs Improvement District  
General Fund**

Statement of Revenues, Expenditures and Change in Fund Balance

For the Period Ending January 31, 2016

	<b>Adopted Budget FYE 2016</b>	<b>Prorated Budget Thru 01-31-16</b>	<b>Actual 4 Months Ending 01-31-16</b>	<b>Variance Favorable (Unfavorable)</b>
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**REVENUES:**

Assessments (Net)	\$ 1,781,758	\$ 1,594,514	\$ 1,594,514	\$ -
Permit Review Fees	1,000	1,000	3,800	2,800
Interest Income	2,400	2,400	5,961	3,561
Shared Personnel Rev.	31,019	10,340	10,340	-
Miscellaneous Revenue	-	-	-	-
Carry Forward Assigned Funds	1,900,000	-	-	-
<b>Total Revenues</b>	<b>3,716,177</b>	<b>1,608,254</b>	<b>1,614,615</b>	<b>6,361</b>

**EXPENDITURES:**

**Administrative**

Supervisor Fees	7,200	2,400	2,400	-
Salaries/Wages	124,846	43,216	47,095	(3,879)
Special Pay	227	227	209	18
FICA Taxes	10,103	3,497	3,802	(305)
Pension Expense	12,484	4,321	5,202	(881)
Health Insurance	30,276	10,092	5,536	4,556
Workers Comp. Ins.	355	118	67	51
Engineering Fees	30,000	10,000	3,428	6,572
Attorney Fees	24,000	8,000	18,198	(10,198)
Special Consulting Services	20,000	-	-	-
Annual Audit	7,622	7,600	7,600	-
Actuarial Computation-OPEB	435	-	-	-
Management Fees	52,450	17,483	17,483	-
Communications-Telephone	2,961	987	987	-
Postage	636	212	212	-
Printing & Binding	2,520	840	840	-
Building Rent	12,000	4,000	4,000	-
Insurance	1,000	333	347	(14)
Legal Advertising	2,000	199	199	-
Contingencies/Other Current Charges	-	-	-	-
Fire & EMS Assessments	10,880	-	-	-
Technology Expense	15,000	5,000	5,000	-
Digital Record Management	5,000	-	-	-
Office Supplies	6,000	2,000	2,345	(345)
Dues, Subscriptions	7,500	281	281	-
Promotional Expenses	3,600	-	-	-
Capital Outlay	-	-	-	-
<b>Total Administrative</b>	<b>389,095</b>	<b>120,806</b>	<b>125,231</b>	<b>(4,425)</b>

**Coral Springs Improvement District**  
**General Fund**  
Statement of Revenues, Expenditures and Change in Fund Balance  
For the Period Ending January 31, 2016

	Adopted Budget FYE 2016	Prorated Budget Thru 01-31-16	Actual 4 Months Ending 01-31-16	Variance Favorable (Unfavorable)
<b>Field Operations</b>				
Salaries and Wages	320,927	111,090	109,306	1,784
Special Pay	1,246	1,245	1,245	-
FICA Taxes	24,551	8,498	8,313	185
Pension Expense	32,093	11,109	12,030	(921)
Health Insurance	78,486	26,162	33,065	(6,903)
Worker's Comp. Insurance	17,778	5,926	3,383	2,543
Water Quality Testing	4,700	785	785	-
Communications-Radios/Cellphones	1,380	460	299	161
Electric Expense	1,224	408	432	(24)
Rentals & Leases	-	-	-	-
Insurance	28,446	9,482	4,890	4,592
R & M - General	63,953	21,318	7,956	13,362
R & M - Culvert Inspection & Cleaning	50,000	35,000	35,000	-
R & M - Canal Dredging & Maintenance	25,000	-	-	-
R & M - Vegetation Management	20,000	-	-	-
Operating Supplies - General	25,525	8,508	1,554	6,954
Operating Supplies - Chemicals	89,396	29,799	26,509	3,290
Operating Supplies - Uniforms	1,697	566	425	141
Operating Supplies - Motor Fuels	34,210	11,403	1,246	10,157
Dues, Licenses	5,170	752	752	-
Capital Outlay-Equipment	1,300	-	-	-
Capital Improvements	1,900,000	102,628	102,628	-
<b>Total Field</b>	<b>2,727,082</b>	<b>385,139</b>	<b>349,818</b>	<b>35,321</b>
<b>Total Expenditures</b>	<b>3,116,177</b>	<b>505,945</b>	<b>475,049</b>	<b>30,896</b>
<b>Reserves:</b>				
Reserved for 1st Qtr Operating	350,000	116,667	-	116,667
Reserved for Projects & Emergencies	250,000	83,333	-	83,333
<b>Total Reserves</b>	<b>600,000</b>	<b>200,000</b>	<b>-</b>	<b>200,000</b>
<b>Total Expenditures &amp; Reserves</b>	<b>3,716,177</b>	<b>705,945</b>	<b>475,049</b>	<b>230,896</b>
<b>Excess Revenues Over (Under) Expenditures &amp; Reserves</b>	<b>\$ -</b>	<b>\$ 902,309</b>	<b>1,139,566</b>	<b>\$ 237,257</b>
<b>Fund Balance Beginning</b>			<b>5,727,642</b>	
<b>Fund Balance Ending</b>			<b>\$ 6,867,208</b>	

**Coral Springs Improvement District**  
**Water and Sewer Fund**  
**Statement of Revenues, Expenses and Change in Net Assets**

For the Period Ending January 31, 2016

	Adopted Budget FYE 2016	Prorated Budget Thru 01-31-16	Actual 4 Months Ending 01-31-16	Variance Favorable (Unfavorable)
<b>REVENUES:</b>				
Water Revenue	\$ 6,467,008	\$ 2,155,669	\$ 2,116,570	\$ (39,099)
Sewer Revenue	5,852,977	1,950,992	1,925,542	(25,450)
Standby Revenue	1,872	624	837	213
Processing Fees	12,000	4,000	7,640	3,640
Lien Information Fees	9,000	3,000	7,025	4,025
Delinquent Fees	45,000	15,000	17,480	2,480
Contract Utility Billing Services	55,979	18,660	18,660	-
Contract HR & Payroll Services	11,807	3,936	3,936	-
Facility Connection Fees	-	-	-	-
Meter Fees	1,000	333	-	(333)
Line Connection Fees	-	-	-	-
Interest Income-2007 Bonds	-	-	1,829	1,829
Interest Income-Other	-	-	10,599	10,599
Rental Income	58,951	19,650	19,650	-
Technology Sharing Revenue	15,000	5,000	5,000	-
Misc. Revenues	12,000	4,000	8,815	4,815
Unrealized Gain (Loss)-SBA	-	-	-	-
Transfer from R & R Fund	313,800	48,334	48,334	-
Carryforward Prior Yr Fund Balance	-	-	-	-
<b>Total Revenues</b>	<b>12,856,394</b>	<b>4,229,198</b>	<b>4,191,917</b>	<b>(37,281)</b>

**Coral Springs Improvement District**  
**Water and Sewer Fund**  
**Statement of Revenues, Expenses and Change in Net Assets**

For the Period Ending January 31, 2016

	Adopted Budget FYE 2016	Prorated Budget Thru 01-31-16	Actual 4 Months Ending 01-31-16	Variance Favorable (Unfavorable)
<b>EXPENSES:</b>				
<b>Administrative</b>				
Salaries/Wages/Overtime	836,228	289,464	285,311	4,153
Special Pay	1,992	1,992	2,028	(36)
FICA Taxes	63,972	22,144	20,354	1,790
Pension Expense	91,985	31,841	31,356	485
Health Insurance	150,132	50,044	46,364	3,680
Workers Comp. Insurance	5,478	1,826	411	1,415
Unemployment Comp	1,000	-	-	-
Engineering Fees	24,000	8,000	260	7,740
Trustee Fees and Other Exp.	14,911	-	-	-
Attorney Fees	12,000	4,000	600	3,400
Special Council Services	25,000	8,333	7,414	919
Travel & Per Diem	4,500	-	-	-
Annual Audit	11,400	11,400	11,400	-
Actuarial Computation-OPEB	3,315	-	-	-
Management Fees	78,676	26,225	26,225	-
Telephone	8,400	2,800	2,824	(24)
Postage	42,000	10,500	8,633	1,867
Printing & Binding	17,575	4,394	6,067	(1,673)
Electric	12,320	4,107	3,657	450
Rentals and Leases	6,000	2,000	1,196	804
Insurance	13,654	4,551	4,551	-
Repair and Maintenance	14,850	4,950	1,548	3,402
Legal Advertising	3,000	1,000	1,024	(24)
Other Current Charges	19,500	6,500	4,645	1,855
Credit Card Merchant Fees	53,400	17,800	18,367	(567)
Technology Expense	30,000	10,000	11,250	(1,250)
Digital Record Management	5,000	-	-	-
Toilet Rebate	14,850	3,069	3,069	-
Office Supplies	9,900	3,300	2,277	1,023
Dues, Memberships, Etc	10,000	1,414	1,414	-
Promotional Expenses	14,000	2,280	2,280	-
Capital Outlay	-	-	-	-
<b>Total Administrative</b>	<b>1,599,038</b>	<b>533,934</b>	<b>504,525</b>	<b>29,409</b>

**Coral Springs Improvement District**  
**Water and Sewer Fund**  
**Statement of Revenues, Expenses and Change in Net Assets**

For the Period Ending January 31, 2016

	Adopted Budget FYE 2016	Prorated Budget Thru 01-31-16	Actual 4 Months Ending 01-31-16	Variance Favorable (Unfavorable)
<b><u>Plant Operations</u></b>				
Salaries and Wages	1,610,893	557,617	524,926	32,691
Special Pay	3,082	3,082	2,924	158
FICA Taxes	123,236	42,659	40,083	2,576
Pension Expense	177,197	61,337	56,555	4,782
Health Insurance	296,973	98,991	89,622	9,369
Worker's Comp. Insurance	56,220	18,740	13,712	5,028
Water Quality Testing	113,229	28,307	19,216	9,091
Telephone	7,572	2,524	2,186	338
Electric Expense	656,379	218,793	218,772	21
Rentals & Leases	11,700	3,900	1,508	2,392
Insurance	151,774	50,591	51,309	(718)
Repair & Maint-General	377,261	125,754	98,603	27,151
Repair & Maint-Filters for Nano Plant	36,630	12,210	8,174	4,036
Sludge Management-Sewer	188,520	62,840	54,680	8,160
Advertisement for Employment	6,000	-	-	-
Office Supplies	4,500	1,500	659	841
Operating Supplies-General	43,200	14,400	19,027	(4,627)
Operating Supplies-Chemicals	452,373	150,791	97,317	53,474
Operating Supplies-Uniforms	8,290	2,763	2,580	183
Operating Supplies-Motor Fuels	179,505	44,876	6,308	38,568
Dues, Licenses, Etc.-Other	32,987	3,605	3,605	-
Capital Outlay	422,876	-	-	-
Renewal & Replacement Expense	313,800	48,334	48,334	-
<b>Total Plant Operations</b>	<b>5,274,197</b>	<b>1,553,614</b>	<b>1,360,100</b>	<b>193,514</b>



**Coral Springs Improvement District**  
**Water and Sewer Fund**  
**Statement of Revenues, Expenses and Change in Net Assets**

For the Period Ending January 31, 2016

	Adopted Budget FYE 2016	Prorated Budget Thru 01-31-16	Actual 4 Months Ending 01-31-16	Variance Favorable (Unfavorable)
<b><u>Field Operations</u></b>				
Salaries/ Wages/Overtime	751,892	260,270	238,732	21,538
Temporary Help	-	-	-	-
Special Pay	1,893	1,893	1,787	106
FICA Taxes	57,522	19,911	18,204	1,707
Pension Expense	82,710	28,630	26,070	2,560
Health Insurance	217,652	72,551	55,777	16,774
Worker's Comp. Insurance	35,039	11,680	5,093	6,587
Naturescape Irrigation Serv	4,542	-	-	-
Telephone	9,900	3,300	3,128	172
Electric	110,337	36,779	45,464	(8,685)
Rent Expense	13,500	4,500	6,176	(1,676)
Rent Expense-SCADA	56,040	18,680	18,680	-
Insurance	18,920	6,307	6,353	(46)
Repair and Maintenance	144,262	48,087	40,360	7,727
Meters-Replacement Program	8,031	80	80	-
Meters-New Connections	-	-	-	-
Meters-Supplies	3,632	3,632	3,863	(231)
Office Supplies	2,100	700	574	126
Operating Supplies-General	30,500	12,350	21,087	(8,737)
Operating Supplies-Uniforms	5,810	1,937	1,918	19
Operating Supplies-Motor Fuels	25,975	8,658	4,627	4,031
Dues, Licenses, Etc	1,336	733	733	-
Capital Outlay	985,000	237,501	237,501	-
Renewal & Replacement	-	-	-	-
<b>Total Field Operations</b>	<b>2,566,593</b>	<b>778,179</b>	<b>736,207</b>	<b>41,972</b>
<b>Total Operating Expenses</b>	<b>9,439,828</b>	<b>2,865,727</b>	<b>2,600,832</b>	<b>264,895</b>
<b>Reserves:</b>				
Required Reserve for R & R	-	-	-	-
<b>Total Operating Exp &amp; Reserve</b>	<b>9,439,828</b>	<b>2,865,727</b>	<b>2,600,832</b>	<b>264,895</b>
<b>Available for Debt Service</b>	<b>3,416,566</b>	<b>1,363,471</b>	<b>1,591,085</b>	<b>227,614</b>
<b><u>Debt Service</u></b>				
<b><u>Principal</u></b>				
2007 Series	1,170,000	390,000	390,000	-
<b><u>Interest</u></b>				
2007 Series	1,935,969	645,323	645,323	-
<b>Total Debt Service</b>	<b>3,105,969</b>	<b>1,035,323</b>	<b>1,035,323</b>	<b>-</b>
<b>Excess Revenues (Expenses)</b>	<b>\$ 310,597</b>	<b>\$ 328,148</b>	<b>\$ 555,762</b>	<b>\$ 227,614</b>
<b>Net Assets Beginning</b>				<b>42,340,463</b>
<b>Net Assets Ending</b>				<b>\$ 42,945,391</b>

**Coral Springs Improvement District**

Water and Sewer Fund

Statement of Revenues, Expenses and Change in Net Assets

For the Period Ending January 31, 2016

	Adopted Budget FYE 2016	Prorated Budget Thru 01-31-16	Actual 4 Months Ending 01-31-16	Variance Favorable (Unfavorable)
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<b>Summary of Operations and Debt Service Coverage</b>				
Revenues			<u>4,191,917</u>	
Operating Expenditures:				
Operating Expenditures-Admin			504,525	
Operating Expenditures-Plant			1,360,100	
Operating Expenditures-Field			<u>736,207</u>	
Total Operating Expenditures			<u>2,600,832</u>	
Required Reserve for R&R			-	
Total Operating Exp & Reserves			<u>2,600,832</u>	
Available for Debt Service			1,591,085	Debt Service Coverage 1.54
Less: Debt Service			<u>1,035,323</u>	
Excess Revenues (Exp)			<u>555,762</u>	

## CORAL SPRINGS IMPROVEMENT DISTRICT ASSESSMENT COLLECTIONS FOR FYE 2016

January 31, 2016

Date	Assessments Collected (net of all Commissions & Fees)
10-31-2015	\$ -
11-09-2015	175
11-20-2015	165,965
12-08-2015	1,186,641
12-11-2015	107,747
12-30-2015	85,247
01-15-2016	48,739
<hr/>	
<b>Totals</b>	<b>\$ 1,594,514</b>

## Coral Springs Improvement District

Check Registers

January 2016

<u>Fund</u>	<u>Check Date</u>	<u>Check No.</u>	<u>Amount</u>
General Fund	01-01-2016 thru 01-31-2016	4019 - 4031	\$ 77,109.58
<b>Total</b>			<b>\$ 77,109.58</b>
Water and Sewer	01-01-2016 thru 01-31-2016	19810	\$ 2,147,000.00
	01-01-2016 thru 01-31-2016	20172 - 20337	820,928.00
<b>Total</b>			<b>\$ 2,967,928.00</b>

CHECK DATE	VEND#	INVOICE DATE	NUMBER	EXPENSED TO YRMO	DPT	ACCT#	SUB	VENDOR NAME	STATUS	AMOUNT	CHECK AMOUNT	CHECK #
1/13/16	00058							FRUITS/TRAP IGUANAS FRUITS/TRAP IGUANAS FRUIT/BAIR IGUANAS MELONS/BAIT IGUANAS PARKING/SEMINAR SHAWN F	PETTY CASH		43.99	004019
1/13/16	00219							CUTRINE FL 909	CROP PRODUCTION SERVICES		1,868.75	004020
1/13/16	00080							AMT DUE WS 01/11/2016	CORAL SPRINGS IMPROVEMENT DIST WS		43,884.34	004021
1/13/16	00233							UNIT=014 OIL CHANGE	CYPRESS MOBIL		26.95	004022
1/13/16	00023							12000 SW 1ST ST PS 2 121 NW 93RD TER PS 1	FLORIDA POWER & LIGHT CO.		117.24	004023
1/13/16	00229							AQUANEAT	RED RIVER SPECIALTIES, INC.		372.00	004024
1/13/16	00037							MANAGEMENT FEES 12/15	SEVERN TRENT ENVIRONMENTAL SERVICES		4,370.83	004025
1/13/16	00284							SUNSHINE 50% PINETREE 25% CSID-GF 25%	WASTE PRO-PEMBROKE PINES		2,473.72	004026
1/25/16	99999							VOID CHECK	*****INVALID VENDOR NUMBER*****		.00	004027
1/25/16	00051							UNIFORM RENTAL 12/15 GASOLINE 12/15 NEXTEL 12/15 SAM'S CLUB-FIELD SUP12/15 AMEX-OUTBACK-LUNCH-SHAWN AMEX-OUTBACK-HOLIDAY12/15 TELEPHONE 01/16 POSTAGE 01/16 PRINTING & BINDING 01/16 RENT 01/16 TECHNOLOGY SHARING 01/16 OFFICE SUPPLIES 01/16 HEALTH INS-FIELD 01/16 FIRE & SECURITY 01/16	CORAL SPRINGS IMPROVEMENT DIST WS		13,455.91	004028
1/25/16	00146							INLET CHEMICAL HYDROTHOL 191 INLET CHEMICAL	HELENA CHEMICAL CO.		10,276.80	004029
1/25/16	00061							REIMB BOOT ALLOW FY2016	HOSEIN, ASAD		77.96	004030
1/25/16	00148							LEATHER GLOVES XL GLOVES XL LATEX GLOVES XL	RITZ SAFETY EQUIPMENT, LLC		141.09	004031
								TOTAL FOR BANK G			77,109.58	
								TOTAL FOR REGISTER			77,109.58	
								CSID -----CSID----	KWOOD			

AP300R  
\*\*\* CHECK NOS. 019810-019810

YEAR-TO-DATE ACCOUNTS PAYABLE PREPAID/COMPUTER CHECK REGISTER  
CSID - WATER & SEWER FUND  
BANK E CHECKING - W & S

RUN 2/09/16

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CHECK DATE	VEND#	.....INVOICE..... DATE	NUMBER	YRMO	FND	DPT	ACCT#	SUB	VENDOR NAME	STATUS	AMOUNT	....CHECK..... AMOUNT	.... #
1/28/16	00633								XFER TO CENTERSTATE-UB				
									CORAL SPRINGS IMPROVEMENT DISTRICT			2,147,000.00	019810
									TOTAL FOR BANK E			2,147,000.00	
									TOTAL FOR REGISTER			2,147,000.00	

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CHECK DATE	VEND#	INVOICE DATE	NUMBER	EXPENSED TO... YRMO FND DPT ACCT# SUB	VENDOR NAME	STATUS	AMOUNT	CHECK AMOUNT	CHECK #
1/04/16	00944				JANUARY NEWSLETTERS 8,973 US POSTMASTER			2,414.16	020172
1/06/16	01354				GAP INS-PTREE 01/16 GAP INS-GF/BOARD 01/16 GAP INS W/H-WS+GF 01/16				
1/06/16	00694				AMERICAN PUBLIC LIFE INSURANCE			1,098.24	020173
1/06/16	00857				TECH SUPP 11/26-12/25/15 ASSOCIATED SYSTEMS, INC.			1,465.00	020174
1/06/16	01389				WWTP/TRAINING EMP 3 CAPITAL ONE			450.00	020175
1/06/16	00352				ELECTRICAL WORK/LS #22 CEEBEE ELECTRICAL SERVICES, INC.			366.67	020176
1/06/16	00561				UTILITY TAXES 12/15 CITY OF CORAL SPRINGS			53,448.60	020177
1/06/16	00122				FIRE INSP FEE CLASS III CITY OF CORAL SPRINGS (FIRE)			305.32	020178
1/06/16	01353				ADDL DENTAL ADMIN 01/16 COMPBENEFITS COMPANY			30.04	020179
1/06/16	00017				REIMB BOOT ALLOW FY 2016 DUNBAR, ROGER			90.00	020180
1/06/16	00973				OVERNIGHT SERV - CSID WS FEDEX			29.00	020181
1/06/16	00528				REIMB BOOT ALLOW FY 2016 GUSTITUS, RACHEL			85.59	020182
1/06/16	01329				PEST CONTROL-ADMIN 11/15 PEST CONTROL-MAINT 11/15 PEST CONTROL-ADMIN 12/15 PEST CONTROL-MAINT 12/15	HOFFERS PEST SOLUTIONS, INC.		500.00	020183
1/06/16	01355				IRA-12/29/15 PLAN 7058800 VANTAGEPOINT TRANSFER AGENTS-705880			785.00	020184
1/06/16	99999				DR-DECEMBER 2015 SERVICES 11/26-12/25/2015 INSTALL NEW CHECK PRINTER	OFFICESTREAM, INC.		1,555.86	020185
1/06/16	00425				VOID CHECK *****INVALID VENDOR NUMBER*****			.00	020186
					ADMIN-TIME CLOCK ADMIN-TIME CLOCK ADMIN-COFFEE SUPP ADMIN-CLEANING SUPP ADMIN-BOARD MTG 12/15 WATER-CLEANING SUPP WATER-COFFEE SUPP WW-COFFEE SUPP WW-CLEANING SUPP MAINT-COFFEE SUPP MAINT-CLEANING SUPP FIELD-COFFEE SUPP FIELD-CLEANING SUPP FIELD-GF-COFFEE SUPP FIELD-GF CLEANING SUPP FIELD-PT COFFEE SUPP				

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CHECK DATE	VEND#	INVOICE DATE	NUMBER	EXPENSED TO YRMO FND DPT ACCT# SUB	VENDOR NAME	STATUS	AMOUNT	CHECK AMOUNT	CHECK #
1/06/16	00072			FIELD-PT CLEANING SUPP FIELD-SS COFFEE SUPP FIELD-SS CLEANING SUPP	SAM'S CLUB/SYNCHRONY BANK			591.14	020187
1/06/16	01168			MANAGEMENT FEE 12/15 POSTAGE 12/15 COPIES 12/15	SEVERN TRENT ENVIRONMENTAL SERVICES			6,610.31	020188
1/06/16	00409			REIMB BOOT ALLOW FY 2016	SIBERT, MICHAEL			90.00	020189
1/06/16	01076			ANNUAL MEMBERSHIP 2016	SOUTHEAST FLORIDA UTILITY COUNCIL			475.00	020190
1/06/16	01183			AFLAC PREMIUM REFUND	THOMPSON, GREGORY			64.56	020191
1/06/16	01467			INTEREST 2007 SER 01/16	US BANK			161,331.00	020192
1/06/16	99999			PRINCIPAL 2007 SER 01/16	US BANK			97,500.00	020193
1/06/16	01130			VOID CHECK	*****INVALID VENDOR NUMBER*****			.00	020194
1/06/16	01314			SEMINAR-LUNCH-SHAWN OUTBACK-DUE BY CSID GF OUTBACK-DUE BY PINETRE OUTBACK-DUE BY SUNSHIN SEMINAR-LUNCH-JAN SEMINAR-LUNCH-ALVAN,JOE SEMINAR-LUNCH-CURT REFUND EMPLOYMENT AD HOLIDAY SUPPLIES PUBLIX-GIFT CARDS OUTBACK-HOLDIAY PARTY NEW COMPUTERS-2 ADMIN MCAFEE-WEB ADMIN-LAPTOP LUNCH-FIELD NEW PRINER-UB OFFICE 2016 DIARY-TIM M. ELECTRICAL EQUIP-SUPERBKS MCAFEE-DAN NEW COMPUTER FRANCO-POSTAGE REFILL SUPERMEDIA-TONER FLEETIO POSTAGE CASE/PHONE OFFICE SUPPLIES	AMERICAN EXPRESS			7,497.77	020195
1/06/16	01397			REIMB BOOT ALLOW FY2016	BERRINGER, DAVID			90.00	020196
1/06/16	01402			REIMB BOOT ALLOW FY2016	HOSEIN, AFZAL			63.24	020197
1/06/16	01231			REIMB BOOT ALLOW FY2016	MALLAMO, MARK			90.00	020198
				ADMIN LIFE INS 01/16 WATER LIFE INS 01/16 WW LIFE INS 01/16 MAINT LIFE INS 01/16					

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CHECK DATE	VEND#	INVOICE DATE	NUMBER	EXPENSED TO YRMO	DPT	ACCT#	SUB	VENDOR NAME	STATUS	AMOUNT	CHECK AMOUNT	CHECK #
								FIELD LIFE INS 01/16 LIFE INS W/H..WS 01/16 LIFE INS W/H..GF 01/16 LIFE INS CSID-GF.ER 01/16 LIFE INS MEAD PT-ER 01/16 LIFE INS.PINETR-ER 01/16 LIFE INS..PINETREE-EE			5,946.48	020199
1/06/16	00200							MUTUAL OF OMAHA				
1/06/16	01264							BID-FIELD 2016-02 SUN-SENTINEL (SOUTH FLORIDA)			222.90	020200
1/06/16	01264							ADMIN PHONE 01/16 WASTE PHONE 01/16 FIELD PHONE 01/16 WINDSTREAM NUVOX, INC.			190.81	020201
1/08/16	88888							ADMIN PHONE 01/16 FIELD PHONE 01/16 WINDSTREAM NUVOX, INC.			143.32	020202
1/08/16	88888							500233906 LENTZ PHYLLIS PHYLLIS LENTZ			100.00	020203
1/08/16	88888							300925205 WEST LAWRENCE LAWRENCE WEST			61.93	020204
1/08/16	88888							810139108 SAUNDERS LAURA LAURA SAUNDERS			61.93	020205
1/08/16	88888							810161404 ALTISOURCE SING ALTISOURCE SINGLE FAMILY INC			23.86	020206
1/08/16	88888							510585504 TAANK KAMLESH/ KAMLESH/ROMI TAANK			146.99	020207
1/08/16	88888							510585505 *PATEL DILIPJUM *DILIPJUMAR PATEL			90.23	020208
1/08/16	88888							510591203 LENOFF STUART STUART LENOFF			15.77	020209
1/08/16	88888							011637704 GOODMAN DAVID DAVID A GOODMAN			215.00	020210
1/08/16	88888							720114405 *MELENDEZ JOSEP *JOSEPH/JENNY MELENDEZ			61.46	020211
1/08/16	88888							820455306 MURPHY WILLIAM WILLIAM MURPHY			176.93	020212
1/08/16	88888							520936606 SALLES MECENAS MECENAS SALLES			150.00	020213
1/08/16	88888							830078207 EVANS JEFF JEFF EVANS			56.26	020214
1/08/16	88888							830114704 DE GROUP INVEST DE GROUP INVESTMENT LLC			61.93	020215
1/08/16	88888							630156912 T & D PROPERTY T & D PROPERTY LLC			129.33	020216
1/08/16	88888							530294608 *DA SILVA CAMIL *CAMILA DA SILVA			54.43	020217
1/08/16	88888							930566704 CHASTEK SUSAN SUSAN CHASTEK			10.16	020218
1/08/16	88888							930621802 SARAS JOHN JOHN SARAS			150.00	020219
1/08/16	88888							130780608 CAMPBELL LORNA LORNA CAMPBELL			61.93	020220
1/08/16	88888							130801011 ASHE KIMBERLY KIMBERLY ASHE			93.95	020221

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CHECK DATE	VEND#	INVOICE DATE	NUMBER	EXPENSED TO YRMO FND DPT ACCT#	SUB	VENDOR NAME	STATUS	AMOUNT	CHECK AMOUNT	CHECK #
1/08/16	88888		530840706	*MELENDEZ MILAG		*MILAGROS MELENDEZ		49.20	020222	
1/08/16	88888		840081216	THR FLORIDA LP		THR FLORIDA LP		100.00	020223	
1/08/16	88888		840105113	THOMAS CHRISTOP		CHRISTOPHER THOMAS		211.93	020224	
1/08/16	88888		540256610	*ZGODZINSKI ED		*ED ZGODZINSKI		43.51	020225	
1/08/16	88888		240291006	ARBOLEDA HOLDIN		ARBOLEDA HOLDINGS INC		61.93	020226	
1/08/16	88888		240319104	MAYO CHRISTOPHE		CHRISTOPHER MAYO		68.70	020227	
1/08/16	88888		840817103	CHAPMAN MELANIE		MELANIE CHAPMAN		61.93	020228	
1/08/16	88888		940829906	TAWADROUS SAMEH		SAMEH TAWADROUS		42.38	020229	
1/08/16	88888		850147713	ARTICOLO TRUST		ARTICOLO TRUST % FLO MGMT		11.89	020230	
1/08/16	88888		450169012	LOZANO SERGIO		SERGIO LOZANO		1.59	020231	
1/08/16	88888		250609504	REAL LIVING 1ST		REAL LIVING 1ST CHOICE		100.00	020232	
1/08/16	88888		660196809	CASPER ROBERT		ROBERT L CASPER TRUST		58.50	020233	
1/08/16	88888		660257610	DREAM TEAM REAL		DREAM TEAM REALTY INC		61.93	020234	
1/08/16	88888		060667307	SECHARAN SUBHAS		SUBHASCHANDRA SECHARAN		215.00	020235	
1/08/16	88888		160775605	JAZBROWHOMES LL		JAZBROWHOMES LLC		158.09	020236	
1/08/16	88888		370571203	HEALY DUDLEY		DUDLEY HEALY		250.00	020237	
1/08/16	88888		470644205	*SALAZAR MONICA		*MONICA SALAZAR		124.07	020238	
1/08/16	88888		980666305	*CARLAND JEAN		*JEAN CARLAND		43.93	020239	
1/08/16	88888		490271207	GONZALEZ ANA		ANA GONZALEZ		736.58	020240	
1/08/16	88888		790796010	*NUNEZ SARA		*SARA NUNEZ		51.70	020241	
1/08/16	88888		090864310	*HARRIS MAURICE		*MAURICE HARRIS		215.00	020242	
1/08/16	88888		090868505	1438 HENDRICKS		1438 HENDRICKS LLC		111.88	020243	
1/11/16	01419			ESTIMATED POSTAGE-12/2015		POSTMASTER		3,000.00	020244	
1/15/16	01040			INTERNET CONNECTION 01/16		ADVANCED CABLE COMMUNICATIONS		139.27	020245	
1/15/16	00005			CHLORINATE FUEL COT-SOD HYPO FUEL		ALLIED UNIVERSAL CORP.		3,352.44	020246	
1/15/16	01373			ADMIN DENTAL 02/16						

CHECK DATE	VEND#	INVOICE DATE	NUMBER	EXPENSED TO YRMO FND DPT ACCT# SUB	VENDOR NAME	STATUS	AMOUNT	CHECK AMOUNT	CHECK #
1/15/16	01374				WATER DENTAL 02/16 WW DENTAL 02/16 MAINT DENTAL 02/16 FIELD DENTAL 02/16 DENTAL..CSID-GF 02/16 DENTAL..MEAD PT 02/16 DENTAL..PINETREE 02/16	AMERITAS LIFE INSURANCE CORP-DENTAL	4,898.12	020247	
1/15/16	01256				ADMIN VISION 02/16 WATER VISION 02/16 WW VISION 02/16 MAINT VISION 02/16 FIELD VISION 02/16 VISION..CSID-GF 02/16 VISION..PINETREE 02/16	AMERITAS LIFE INSURANCE CORP-VISION	1,014.84	020248	
1/15/16	00621				SOD/PIECE SOD/PIECE SOD/PIECE	CORAL SPRINGS NURSERY, INC.	303.75	020249	
1/15/16	00174				ALIGNMENT DW PMP 405	CORNELL BALANCING CO., INC.	490.00	020250	
1/15/16	01452				MONITOR ADM 01/1-03/31/16 MONITOR FLD 01/1-03/31/16	CYPRESS TRACE SECURITY INC.	162.00	020251	
1/15/16	00018				TRBLSHT HEADWORKS EDCO SURGE SUPPRESSOR HEADWORKS ALARM LABOR DW PUMP 405 TROUBLESHOOT	DELTA CONTROLS	798.00	020252	
1/15/16	99999				PARTS PARTS MARKING PAINT	FERGUSON ENTERPRISES, INC.	2,196.40	020253	
1/15/16	99999				VOID CHECK	*****INVALID VENDOR NUMBER*****	.00	020254	
1/15/16	00056				VOID CHECK	*****INVALID VENDOR NUMBER*****	.00	020255	
					RO CONCEN 5120337 CBOD & TSS 5120338 WELL #4R 5120357 PLATE COUNT 5120358 FLUORIDE 5120367 WELLS 1-11 BACT.5120368 WELL #4R 5120369 WELL #4R 5120370 MONTHLY BACTERIA 5120405 MONTHLY BACTERIA 5120420 MONTHLY BACTERIA 5120421 CBOD & TSS 5120434 T/O PHOSPHATE 5120501 CBOD & TSS 5120531 MONITORING WELLS 5120532				

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CHECK DATE	VEND#	INVOICE DATE	NUMBER	EXPENSED TO YRMO FND DPT ACCT# SUB	VENDOR NAME	STATUS	AMOUNT	CHECK AMOUNT	#
					CBOD & TSS 5120533 TOTAL P&N 5120534 CBOD & TSS 5120535 RO CONCEN 5120536 MONTHLY BACTERIA 5120537 CBOD & TSS 5120604 T/O PHOSPAHTE 5120605 T/O PHOSPHATE 5120606 T/O PHOSPHATE 5120612 CBOD & TSS 5120654 CBOD & TSS 5120655 CBOD & TSS 5120656 CBOD & TSS 5120685				
1/15/16	00023				FLORIDA SPECTRUM ENV. SERVICES, INC		4,148.00	020256	
					ADMIN ELECTRIC 12/15 PLT-WATER ELECTRIC 12/15 PLT-WASTE ELECTRIC 1215 FIELD ELECTRIC 12/15				
1/15/16	00063				FLORIDA POWER & LIGHT CO.		70,246.85	020257	
					AC FILTER/18X18X1 AC FILTER AC FILTER RETURN				
1/15/16	00514				GRAINGER, INC.		37.07	020258	
					SLUDGE MGMT SEWER 12/15				
1/15/16	00179				H & H LIQUID SLUDGE DISPOSAL, INC.		22,080.00	020259	
					SENSOR CAP REPLACEMENT FREIGHT AMMONIA ANALYZER/WARRNTY				
1/15/16	01535				HACH COMPANY		3,204.39	020260	
					SULFURIC ACID SODIUM HYDROXIDE CORROSION INHIBITOR AMMONIA				
1/15/16	01046				HAWKINS, INC.		8,943.00	020261	
					METER BOXES METER LIDS BLIND FLANGES				
1/15/16	00033				HD SUPPLY WATERWORKS, LTD		3,617.52	020262	
					TOOL BOX/MAINT. PLYWOOD/MAINTENANCE MATERIALS MONTHLY SUPPLIES				
1/15/16	01093				HOME DEPOT		752.24	020263	
					JANUARY MAINTENANCE				
1/15/16	01345				JLS LANDSCAPE SERVICES, INC.		3,900.41	020264	
					PVC PARTS				
1/15/16	01150				LEHMAN PIPE & PLUMBING SUPPLY, INC.		19.53	020265	
					COMPUTER ACCESSPRIES-JOE OFFICE SUPP-JOE OFFICE SUPP-JOE OFFICE SUPP-TONER				
1/15/16	01406				OFFICE DEPOT		356.34	020266	
					RETURN SAFETY DVD'S				
1/15/16	01536				PAKMAIL		15.84	020267	
					REIMB BOOT ALLOW FY2016				
					RHODEN, DWYANE		49.79	020268	

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CHECK DATE	VEND#	INVOICE DATE	NUMBER	EXPENSED TO YRMO FND DPT ACCT# SUB	VENDOR NAME	STATUS	AMOUNT	CHECK AMOUNT	CHECK #
1/15/16	00551				POND MOTOR REPAIR	RICE PUMP & MOTOR INC		1,243.17	020269
1/15/16	00351				STEEL TOE BOOTS				
					STEEL TOE BOOTS	RITZ SAFETY EQUIPMENT, LLC		99.72	020270
1/15/16	01042				HIGH LIFT RENTAL	SUNBELT RENTALS		617.50	020271
1/15/16	01076				REIMB BOOT ALLOW FY2016	THOMPSON, GREGORY		90.00	020272
1/15/16	99999				VOID CHECK	*****INVALID VENDOR NUMBER*****		.00	020273
1/15/16	01175				UNIFORMS-WATER				
					UNIFORMS-WW				
					UNIFORMS-MAINT				
					UNIFORMS-FIELD				
					UNIFORMS-GF				
					UNIFORMS-WATER				
					UNIFORMS-WW				
					UNIFORMS-MAINT				
					UNIFORMS-FIELD				
					UNIFORMS-GF				
					UNIFORMS-WATER				
					UNIFORMS-WW				
					UNIFORMS-MAINT				
					UNIFORMS-FIELD				
					UNIFORMS-GF	UNIFIRST CORPORATION		581.37	020274
1/15/16	00441				LAB CHEMICALS				
					FREIGHT	USA BLUEBOOK		578.30	020275
1/15/16	01450				CARTRIDGE FILTERS	WACO FILTERS CORPORATION		4,779.00	020276
1/15/16	01529				TRASH SERVICES-12/15	WASTE PRO-PEMBROKE PINES		458.33	020277
1/15/16	88888				100754602 BILLING REFUND	ANNA M STOUTLAND		61.93	020278
1/25/16	00822				AFLAC-W/H 01/16				
					AFLAC-PTREE 01/16	AFLAC		2,524.40	020279
1/25/16	01194				AC=015 REPAIRS	AIR AMERICA AIR CONDITIONING, LLC		291.22	020280
1/25/16	01227				DVR INSPECTED				
					HDMI MONITOR/INSTALL				
					CREDIT/ADAPTER	AMC SURVEILLANCE CAMERAS		901.00	020281
1/25/16	01481				REIMB BOOT ALLOW FY2016	ANDERSON, MAURICE		49.83	020282
1/25/16	01327				RENTAL FEE - 1/2016				
					LIFT STATION RTU	DATA FLOW SYSTEMS, INC		4,670.00	020283
1/25/16	01452				24V RELAY/GENERATOR #6				
					FIBERGLASS ENCLOUSER				
					NO PUSH BUTTON				

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CHECK DATE	VEND#	INVOICE DATE	NUMBER	EXPENSED TO YRMO	FND DPT ACCT#	SUB	VENDOR NAME	STATUS	AMOUNT	CHECK AMOUNT	CHECK #
1/25/16	00675						24V POWER SUPPLY STROBE AND HORN COMBO LABOR PUMP 405/LABOR	DELTA CONTROLS	1,194.00	020284	
1/25/16	99999						REIMB BOOT ALLOW FY2016	DWIGGINS, CURTIS	74.98	020285	
1/25/16	00056						VOID CHECK	*****INVALID VENDOR NUMBER*****	.00	020286	
1/25/16	01515						RO CONCEN 5120704 CBOD & TSS 5120705 CBOD & TSS 5120706 CBOD & TSS 5120754 T/O PHOSPHATE 5120755 CBOD & TSS 5120756 T/O PHOSPHATE 6010014 T/O PHOSPHATE 6010015 CBOD & TSS 6010023 CBOD & TSS 6010024 T/O PHOSPHATE 6010025 RO CONCEN 6010026 T/O PHOSPHATE 6010075 CBOD & TSS 6010079	FLORIDA SPECTRUM ENV. SERVICES, INC	718.00	020287	
1/25/16	01046						ASPHALT DEC	HARDRIVES ASPHALT COMPANY	701.48	020288	
1/25/16	00033						BLIND FLANGES/LS 18" GASKETS/FLOW METER	HD SUPPLY WATERWORKS, LTD	196.07	020289	
1/25/16	01124						SUPPLIES/GENERATOR #6 WTP SUPPLIES MAINT SUPPLIES	HOME DEPOT	386.17	020290	
1/25/16	01329						REIMB BOOT ALLOW FY2016	HOSEIN, FAZAL	41.31	020291	
1/25/16	01532						IRA-01/12/16 PLAN 705880	VANTAGEPOINT TRANSFER AGENTS-705880	785.00	020292	
1/25/16	00881						HYDRANT REPAIRS #3	LINE-TEC INC.	4,650.00	020293	
1/25/16	01399						REIMB BOOT ALLOW FY2016	LUCIBELLO, JOHN	59.54	020294	
1/25/16	01117						REIMB BOOT ALLOW FY2016	MCHUGH, MIKE	90.00	020295	
1/25/16	00155						REIMB BOOT ALLOW FY2016	NEALON, MARK	90.00	020296	
1/25/16	01150						ADMIN NEXTEL 01/16 PLANT-WATER NEXTEL 01/16 PLANT-WASTE NEXTEL 01/16 PLANT-MAINT NEXTEL 01/16 FIELD NEXTEL 01/16 NEXTEL 01/16 DUE SUNSHINE NEXTEL 01/16 DUE CSID GF	NEXTEL COMMUNICATIONS	1,475.45	020297	
							OFFICE SUPP-JOE S.				

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CHECK DATE	VEND#	INVOICE DATE	NUMBER	EXPENSED TO YRMO FND DPT ACCT# SUB	VENDOR NAME	STATUS	AMOUNT	CHECK AMOUNT	CHECK #
1/25/16	00066				OFFICE SUPP-JOE S. OFFICE DEPOT			62.91	020298
1/25/16	00551				DISTILLED WATER READYREFRESH			45.91	020299
1/25/16	00351				PUMP/ PLANT E RICE PUMP & MOTOR INC			266.56	020300
1/25/16	00782				LATEX GLOVES XL STEEL TOE BOOTS BACK BRACE 4X RAIN COAT VASCO LATEX GLOVES XL LATEX GLOVES LARGE RITZ SAFETY EQUIPMENT, LLC			468.21	020301
1/25/16	01175				MONTHLY ASSESSMENT SUNSHINE STATE ONE CALL OF FLA.			162.82	020302
1/25/16	01498				UNIFORMS-WATER UNIFORMS-WW UNIFORMS-MAINT UNIFORMS-FIELD UNIFORMS-GF UNIFORMS-WATER UNIFORMS-WW UNIFORMS-MAINT UNIFORMS-FIELD UNIFORMS-GF UNIFIRST CORPORATION			389.08	020303
1/25/16	00441				COMPRESSOR RENTAL KAO USA EQUIPMENT SOLUTIONS			660.00	020304
1/25/16	00833				FILTER PHOSPHATE PROJECT FREIGHT PH PROBES/WTP PROCESS FREIGHT LAB CHEMICALS FREIGHT USA BLUEBOOK			854.12	020305
1/25/16	01264				NEW AUGER/HEADWORKS VULCAN INDUSTRIES, INC.			6,586.00	020306
1/25/16	01264				ADMIN PHONE 01/16 FIELD PHONE 01/16 WINDSTREAM NUVOX, INC.			534.43	020307
1/25/16	01011				FRONT GATE PHONE 01/16 WINDSTREAM NUVOX, INC.			59.41	020308
1/28/16	01524				COPIER LEASE #7835 12/15 COPIER READS #7835 12/15 COPIER LEASE #7232 01/16 COPIER READS #7232 01/16 XEROX CORPORATION			231.33	020309
1/28/16	01502				DECALS/MAGNETS APPLE PRINTING & ADVERTISING			280.00	020310
1/28/16	01089				SVC CALL/RESET READER AT & I SYSTEMS			75.00	020311
1/28/16	01256				PLANT PHONE WATER 01/16 AT & T			58.85	020312
1/28/16	01256				SOD CORAL SPRINGS NURSERY, INC.			148.50	020313

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CHECK DATE	VEND#	INVOICE DATE	NUMBER	EXPENSED TO YRMO	FND DPT ACCT# SUB	VENDOR NAME	STATUS	AMOUNT	CHECK AMOUNT	#
1/28/16	00018					DECANT PUMP/PLANT F				
						FERGUSON ENTERPRISES, INC.			1,215.00	020314
1/28/16	00945					PENALTY-BROWARD COUNTY				
						PENALTY-BROWARD COUNTY			.00	020315
1/28/16	01423					ADMIN HLTH INS 02/16				
						WATER HLTH INS 02/16				
						WW HLTH INS 02/16				
						MAINT HLTH INS 02/16				
						FIELD HLTH INS 02/16				
						ADMIN HLTH INS-GF 02/16				
						FIELD HLTH INS-GF 02/16				
						DUE FROM SHANK 02/16				
						DUE FROM MEADOW PT 02/16				
						DUE FROM PTREE 02/16			52,434.40	020316
1/28/16	00056					FLORIDA BLUE				
						CBOD & TSS 6010128				
						CBOD & TSS 6010129				
						CBOD & TSS 6010143				
						RO CONCEN 6010144				
						CBOD & TSS 6010145				
						FLUORIDE 6010146				
						PLATE COUNT 6010147				
						WELL SAMPLES 1-11 6010148				
						CBOD & TSS 6010149				
						CBOD & TSS 6010203				
						DISINFECTION TEST 6010204				
						CBOD & TSS 6010236			832.00	020317
1/28/16	01535					FLORIDA SPECTRUM ENV. SERVICES, INC				
						SULFURIC ACID 1,788GALS				
						AMMONIA				
						ANTISCALANT			8,079.71	020318
1/28/16	00033					HAWKINS, INC.				
						SEALER/CONCRETE MAINT.				
						GAS CANS/SUPPLIES				
						SAND/GAS CANS			123.02	020319
1/28/16	01329					HOME DEPOT				
						IRA-01/26/16 PLAN 705880			785.00	020320
1/28/16	01486					VANTAGEPOINT TRANSFER AGENTS-705880				
						PLANT WATER GAS				
						PLANT WASTE GAS				
						PLANT MAINT GAS				
						FIELD GAS				
						DIESEL GAS				
						DIESEL/GENERATORS 4 & 6			4,873.78	020321
1/28/16	01341					LANK OIL COMPANY				
						LS #8 INSTALL 8" LINER				
						LS #8 ROOT/GREASE REMOVAL			217,480.91	020322
1/28/16	01231					LMK PIPE RENEWAL LLC				
						ADMIN LIFE INS 02/16				
						WATER LIFE INS 02/16				
						WW LIFE INS 02/16				
						MAINT LIFE INS 02/16				



CHECK DATE	VEND#	INVOICE DATE	NUMBER	EXPENSED TO YRMO FND DPT ACCT# SUB	VENDOR NAME	STATUS	AMOUNT	CHECK AMOUNT	#
				FIELD LIFE INS 02/16					
				LIFE INS W/H..WS 02/16					
				LIFE INS W/H..GF 02/16					
				LIFE INS..CSID-GF.ER02/16					
				LIFE INS..MEAD PT-ER02/16					
				LIFE INS.PTREE-ER 02/16					
1/28/16	00683			LIFE INS.PTREE-EE 02/16	MUTUAL OF OMAHA		5,792.58	020323	
1/28/16	01355			TROUBLESHOOT/HSP #7	O-K GENERATORS		195.00	020324	
1/28/16	00045			DR-JANUARY 2016	OFFICESTREAM, INC.		330.00	020325	
1/28/16	00639			UNIT=027 BATTERY	PEP BOYS		85.00	020326	
1/28/16	00880			REIMB BOOT ALLOW FY2016	PEREZ, LUIS		90.00	020327	
1/28/16	01078			PRESS/ROTOGUARD	POLYDYNE, INC.		5,670.00	020328	
1/28/16	00351			1 YR LEASE/CYLINDERS GAS EXCHANGE	PRAXAIR DISTRIBUTION SE, LLC		208.28	020329	
1/28/16	01482			SORBENT PADS	RITZ SAFETY EQUIPMENT, LLC		52.43	020330	
1/28/16	99999			REIMB BOOT ALLOW FY2016	ROBERTS, LESTER		59.54	020331	
1/28/16	00425			VOID CHECK	*****INVALID VENDOR NUMBER*****		.00	020332	
				ADMIN-CLEANING SUPP					
				ADMIN-BOARD MTG 12/15					
				WATER-CLEANING SUPP					
				WATER-COFFEE SUPP					
				WW-COFFEE SUPP					
				WW-CLEANING SUPP					
				MAINT-COFFEE SUPP					
				MAINT-CLEANING SUPP					
				FIELD-COFFEE SUPP					
				FIELD-CLEANING SUPP					
				FIELD-GF-COFFEE SUPP					
				FIELD-GF CLEANING SUPP					
				FIELD-PT COFFEE SUPP					
				FIELD-PT CLEANING SUPP					
				FIELD-SS COFFEE SUPP					
				FIELD-SS CLEANING SUPP	SAM'S CLUB/SYNCHRONY BANK		522.88	020333	
1/28/16	00053								
1/28/16	00441			PAINT/DIGESTER #1	SHERWIN-WILLIAMS		46.83	020334	
1/28/16	01450			LAB CHEMICAL	USA BLUEBOOK		12.95	020335	
1/29/16	01469			CARTRIDGE FILTERS	WACO FILTERS CORPORATION		990.15	020336	
				PENALTY-BROWARD COUNTY	THE FLORIDA DEPARTMENT OF HEALTH		1,000.00	020337	
					TOTAL FOR BANK H		820,928.00		
					TOTAL FOR REGISTER		820,928.00		

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