





## Right-of-Way Utilization Permit Requirements

The purpose of a Right-of-Way Utilization permit is to control the use of public rights-of-way and public easements in the interest of the health, safety and welfare of the public. Any work within public rights-of-way and public easements requires an approved right-of-way utilization permit pursuant to Section 14.14.05, Lake County Code/Land Development Regulations. *Once approved, a notice of issuance of the permit may be recorded in the Official Records of Lake County, Florida.*

- I. Application Requirements.** Unless otherwise noted, permittee must submit one (1) original completed application and the following supporting documentation:
- A. A sketch or construction plans drawn to scale, showing the following if applicable to the work:
    - 1. The offset from the centerline of the right-of-way or roadway to the proposed installation, the road right-of-way width and pavement width, the distance from the edge of pavement to the utility, sidewalks, and the location of all other utilities, including traffic signal utilities, within the area of work.
    - 2. One or more typical cross sections to adequately reflect the location of the utility. Please indicate the minimum vertical clearance above or below the pavement or natural ground.
    - 3. The location of the area of work in relation to the nearest road intersection, bridges, railroad crossings, and other physical features. Please include a location or vicinity map showing the general location of the installation.
    - 4. If this project will result in any new above ground structures, poles, or facilities please state where and what is proposed. Applicant may be requested to provide an engineer's certification that roadway clearance and sight distances have been met.
  - B. Projects of significant length and land size may require a complete right-of-way survey.
- II. General Conditions.**
- A. This permit is a permissive use only and the placing of facilities in public rights-of-way or easements does not create or vest a property right in the permittee.
  - B. **Permittee agrees that the rights and privileges herein set out are granted only to the extent of the County's right, title and interest in the land to be entered upon and used by the permittee, and the permittee will, at all times, assume all risk of and indemnify, defend and save harmless Lake County, its commissioners and employees from and against any and all loss, damage, cost, or expense arising in any manner on account of the exercise or attempted exercises by said holder of the aforesaid rights and privileges.**
  - C. Permittee agrees it is the responsibility of the permittee, not the County, to determine if the work completed meets Americans with Disabilities Act (ADA) requirements and accessibility guidelines.
  - D. At least fourteen (14) days prior to construction, permittee shall provide the County with proof that written notification has been given by permittee to all adjacent property owners stating the anticipated construction schedule, maintenance of traffic plan, and any impacts to the adjacent properties, if any. The notice must provide the name and telephone number of the permittee or permittee's project manager.
  - E. Permittee shall post a copy of the approved permit on site at all times during the work.
  - F. Permittee shall notify the County at least twenty-four (24) hours in advance of starting work. Permittee agrees all work shall take place during daylight hours, unless specifically authorized, and discontinued by sunset with proper signage and traffic control devices maintained during off hours.
  - G. All work, materials and equipment shall meet all Lake County codes and standards. All right-of-way disturbed by this work shall be restored to its original condition or better and in accordance to applicable County Codes. All disturbed areas must be sodded with sod matching existing grass type. Bahia sod shall be used if no grass is present at time of construction. All work is subject to inspection by the County.
  - H. The construction and maintenance shall not interfere with the property and rights of a prior applicant.
  - I. Final inspection and acceptance of work by the County must be obtained to document the completion of the work.
  - J. If this permit is being received for sealing, painting or surfacing of a driveway apron located in a right-of-way, the permittee acknowledges that the County is not responsible for maintenance or upkeep of the

sealant or paint. If the permittee or permittee's contractor causes damage to the County's property permittee shall be liable for the current cost of repair or replacement. Permittee shall not saw-cut, obstruct, or remove any portion of a sidewalk within a right-of-way without prior approval from the County.

### **III. Construction Conditions.**

- A. Excavation shall not be allowed within five (5) feet from the edge of the pavement, unless prior approval is received from the Lake County Engineer.
- B. A traffic detour or lane closure shall require specific approval by the County. All traffic detours shall be restricted to the limits of right-of-way with necessary flagmen and marking devices. All construction and maintenance shall be performed with proper shoring, barricades, and maintenance of traffic signage in accordance with the FHWA Manual on Uniform Traffic Control Devices (MUTCD), OSHA law and regulations, and the Florida Department of Transportation (FDOT) Highway Safety Plan.
- C. Written approval from the Lake County Engineer shall be required before any alterations to existing traffic signal equipment including, but not limited to: vehicle detection loops and signal timing. If traffic signal vehicle detection loops are rendered inoperable, temporary detection shall be installed within twenty-four (24) hours. All traffic signal utilities disturbed by this work shall be restored to their original condition or better. Traffic signal utilities include but not limited to: vehicle detection loops, conduit, cabling, pull boxes, pedestrian signal equipment, span assemblies, signal heads, cabinet assemblies, cameras and fiber optic infrastructure.
- D. Open cuts of roads will not be allowed unless specifically authorized by Lake County. Underground pneumatic/missile boring is strictly prohibited under Lake County roadways. Only directional bore or jack and bore operations are acceptable. Unless Lake County determines it is impractical, bore operations and excavations shall maintain a five (5) foot minimum clearance from edge of pavement on road crossing each side. Bore depths shall be in accordance with FDOT Utility Accommodation Manual (UAM) unless specifically authorized by Lake County. Minimum bore depth under pavement is thirty-six inches (36") and a minimum bore depth below unpaved ground is thirty inches (30"). Any overhead installations should maintain a minimum of eighteen (18) feet vertical clearance over all roadways and driveways.
- E. Pursuant to Section 337.403(1), Florida Statutes, any utility placed upon, under, over, or along any public road or publicly owned rail corridor that is found by the County to be unreasonably interfering in any way with the convenient, safe, or continuous use, or maintenance, improvement, extension, or expansion of such public road or publicly owned rail corridor shall, upon thirty (30) days written notice, be removed or relocated by permittee at its own expense.
- F. It is agreed that in the event the installation, adjustment or relocation of utilities are scheduled to be done simultaneously with Lake County construction work, the permittee shall coordinate with Lake County before proceeding and shall cooperate with the County's contractor to arrange the sequence of work so as not to delay the work of the County's contractor, defend any legal claims of the County's contractor due to delays caused by the permittee's failure to comply with the approved schedule, and shall comply with all provisions of the law and Lake County's current *Utility Accommodation Manual*.
- G. Permittee shall report all right-of-way utilization activities to Sunshine State One-Call at least seventy-two (72) hours prior to commencement.
- H. If above ground utilities are being replaced, the old utilities and utility appurtenances must be removed from County right-of-way within thirty (30) days after new utilities are installed.

### **IV. Guarantee and Compliance.**

- A. A performance bond or irrevocable letter of credit may be required of the applicant in the event the work covered by the right-of-way utilization permit has the potential to significantly damage the right-of-way. The security instrument shall comply with the applicable provisions of the Florida Statutes for public construction bonds and be in a form acceptable to the Lake County Attorney's Office. The security instrument shall be made payable to the Lake County Board of County Commissioners in the amount of one hundred ten percent (110%) of estimated cost to repair such damage, as determined by Lake County, and shall remain in effect until the work covered by the right-of-way utilization permit has been completed and accepted by the County.

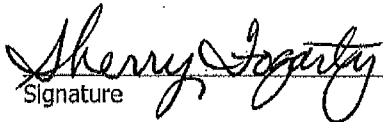
- B. In the case of noncompliance with the requirements and conditions of this permit, the facility will be brought into compliance by the permittee or removed from the right-of-way or easement by the permittee at no cost to the County.
- C. The County may issue "Stop Work" order(s) upon any permittee committing or creating an unsafe act which may create a public hazard or who is not complying with this permit or the applicable codes. The order shall remain in effect until such time as these matters are corrected. Permits shall be issued with the understanding that the applicant shall guarantee all work performed under the terms of the permit for a period of one (1) year from the date of final inspection and acceptance of work.
- D. Any failure(s) shall be repaired by the permittee, at no cost to the County, within five (5) days, unless the urgency of the problem requires a quicker reaction time. The permittee shall be responsible for all repair costs incurred due to damages to existing utilities, including, but not limited to, errors in locating existing utilities during construction.
- E. Removal/Relocation: Whenever the County deems necessary and upon the County's request, any or all of the work or appurtenances authorized by this permit shall be immediately removed from the right-of-way, relocated, and the right-of-way returned to original state, as required by the County, at the expense of the permittee, unless reimbursement is specifically authorized. Upon ten (10) days written notice, the permittee shall be required to remove and relocate the improvements placed within the right-of-way at the applicant's sole expense.

**V. Wireless Facilities.**

- A. Right-of-way may be used for wireless facilities pursuant to Section 337.401, Florida Statutes, Advanced Wireless Infrastructure Deployment Act. Wireless providers are encouraged to collocate.
- B. Prior to installing a small wireless facility and associated wireless equipment, a wireless provider shall apply and obtain a right-of-way utilization permit. An application shall be submitted for each facility location. Within fourteen (14) days of submitting an application, the County may request the proposed location for the facility be moved to another location or negotiate an alternative location.
- C. In addition to the documents required in Section I above, a wireless provider must submit the following: (1) a sketch of the equipment to be used, (2) the registration and permit fee, (3) proof of insurance, (4) a copy of federal or state certification or license authorizing the permittee to provide communications services.
- D. Permittee shall be liable to the County for the costs of any repairs made necessary by any such displacement, damage or destruction of facilities belonging to the County. In the case of an emergency, the County may commence repairs without any prior notice to the registrant.
- E. Removal/Relocation of Wireless Facilities: Whenever the County deems necessary and upon the County's written request, permittee shall remove the wireless facility and associated wireless equipment at the expense of the permittee. If permittee fails to remove after 30 days from the County's request, the County may remove or relocate the facilities at the sole cost and expense of the permittee, without the County incurring liability for damages.
- F. A wireless provider shall provide the County notice upon any assignment or transfer of this permit, and any assignee, buyer, or transferee shall be bound by these permit requirements.

**The County shall not be responsible for damages to any structure, facilities, or equipment placed within the right-of-way by permittee, permittee's successors or assigns. All structures shall be properly maintained by permittee, at permittee's expense, and shall be adequately visible or properly delineated to prevent damage due to normal maintenance of the right-of-way.**

**I have read, understand, and agree to be bound by the above requirements:**

  
Signature

Sherry Fogarty  
Print Name

5/2/18  
Date



**Legend**

- Pole
  - Aluminum
  - Concrete
  - Fiberglass
  - Wood
  - Planned
- Street Lights
  - Existing
- Pipe
  - Closest - Existing
  - Open - Existing
  - Planned
- Service
  - Existing
  - Planned
- Underground Transformer
  - Existing
  - Planned
- Elbow
  - Close
  - Open
- Cabinet
  - Existing
  - Planned
- Secondary Encloser
  - Existing
  - Planned
- Primary UG Conductor
  - A Phase
  - B Phase
  - C Phase
  - Dual Phase
  - Three Phase
  - Planned
- Cable
  - 1 inch
  - 2 inch
  - 2.5 inch
  - 3 inch
  - 4 inch
  - 5 inch
  - 6 inch

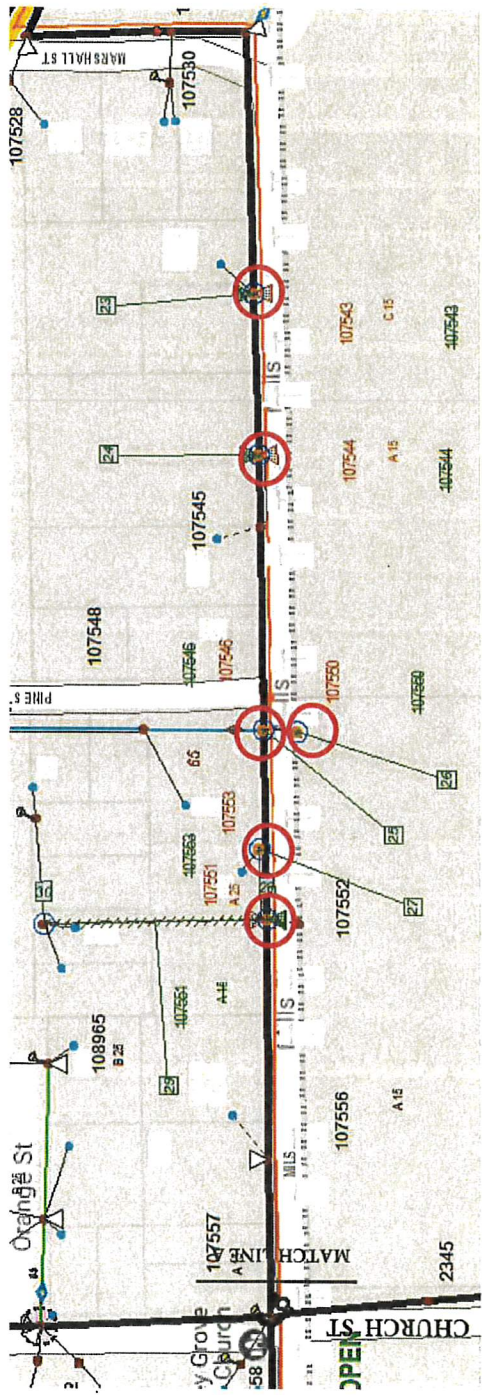
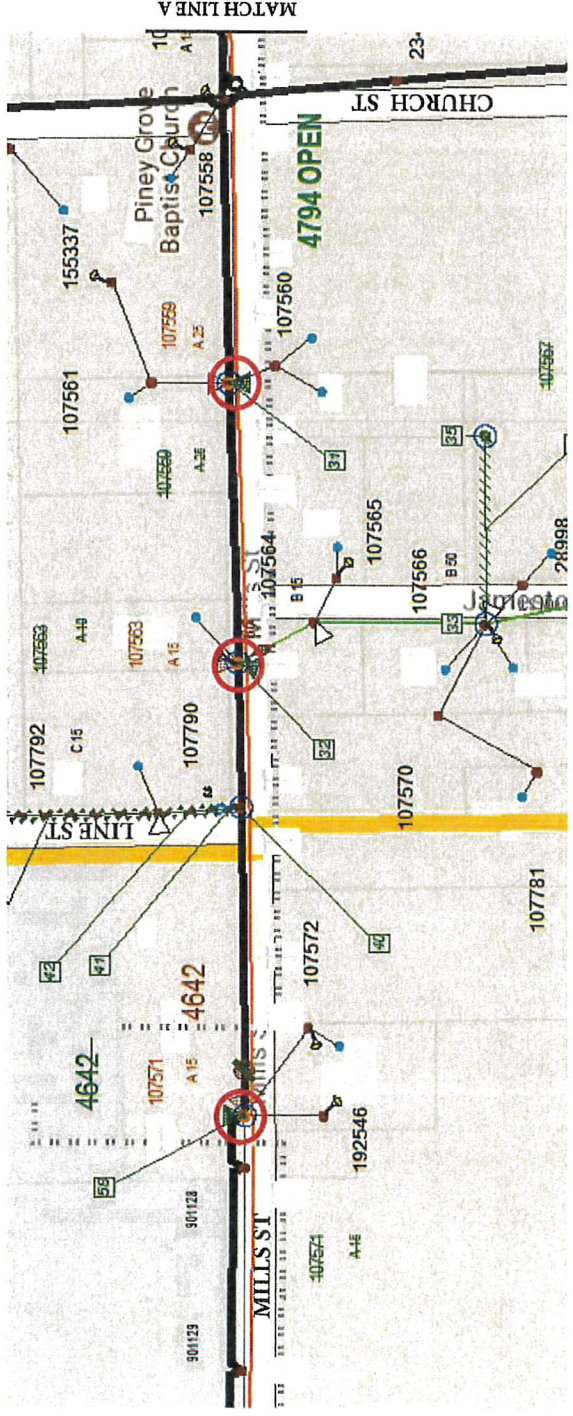
Comment: 2018 FPSC POLE REPLACEMENT U/M3

Aid to Construction:

W/O Number: 183968

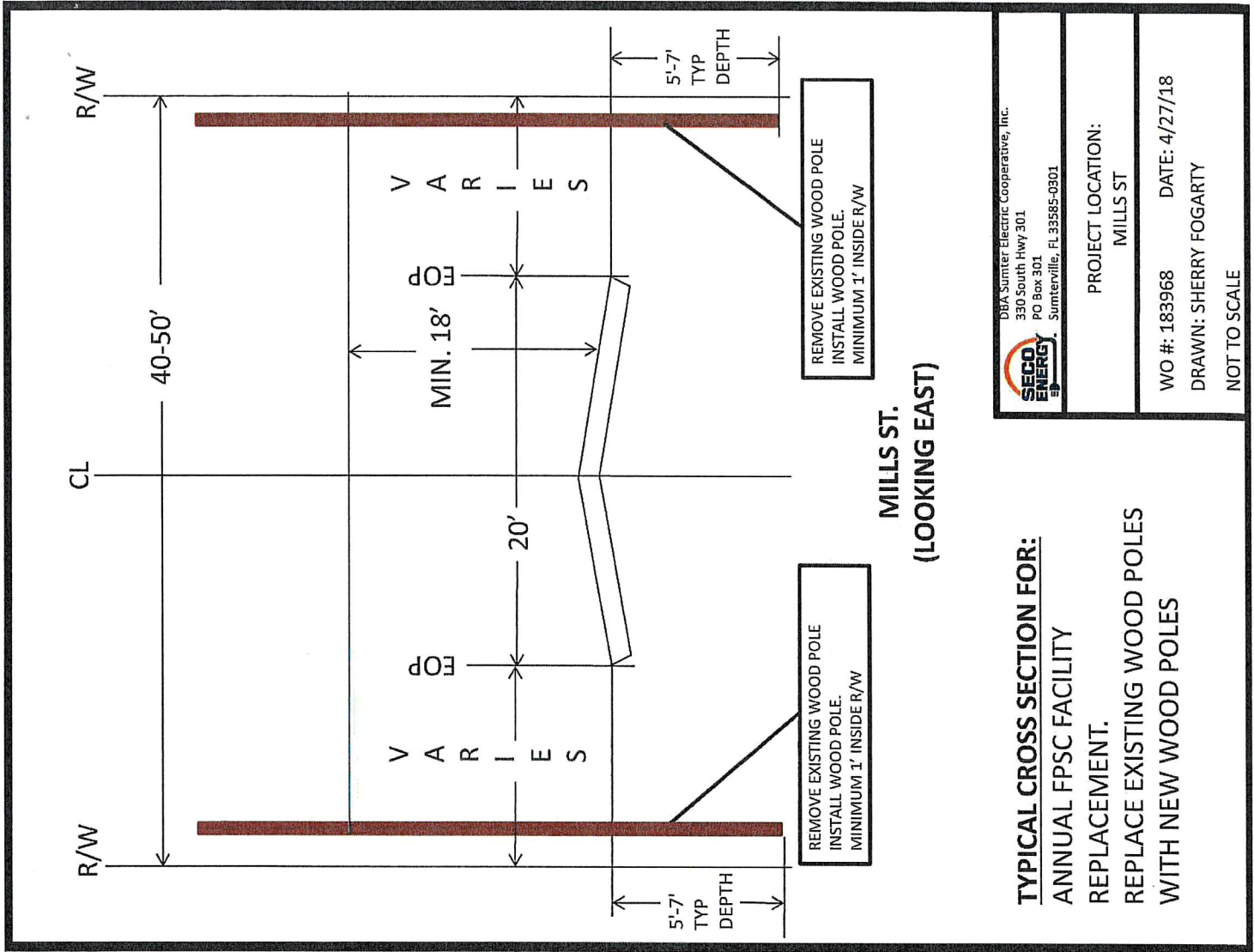
**MILLS ST  
9 LOCATIONS**

Customer Name:  
DBA SUMNER ELECTRIC CO-OP, INC  
230 SOUTH HWY 301  
PO BOX 301  
SUMTerville, FL 33585-0301



**CONSTRUCTION NOTES**

- Contractor to restore right of way to equal or better than existing condition.
- Contractor shall maintain an uninterrupted access to all driveways, sidewalks and side streets at all times unless otherwise approved.
- All other right of way users and municipalities in the immediate vicinity of the proposed construction/installation have been notified in writing.
- Minimum height of overhead wires and cables is 18 feet over roadways and 16 feet over driveways.



**TYPICAL CROSS SECTION FOR:**

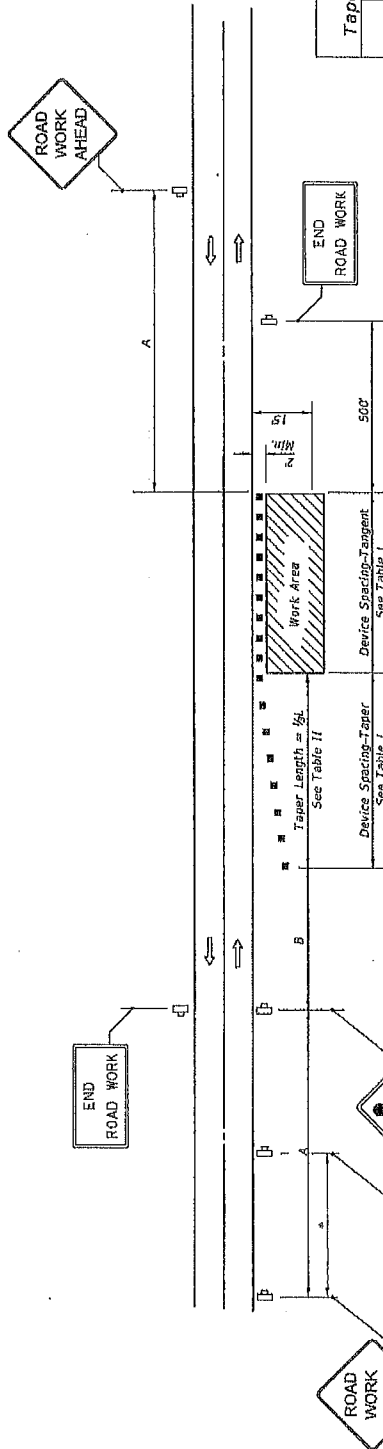
ANNUAL FPSC FACILITY  
 REPLACE EXISTING WOOD POLES  
 WITH NEW WOOD POLES

SECO ENERGY  
 DBA Sumter Electric Cooperative, Inc.  
 330 South Hwy 301  
 PO Box 301  
 Sumterville, FL 33585-0301

PROJECT LOCATION:  
 MILLS ST

WO #: 183968      DATE: 4/27/18  
 DRAWN: SHERRY FOGARTY  
 NOT TO SCALE





**Table ii**  
Taper Length - Shoulder

Speed (mph)	1/2 L (ft)		Notes
	8' Shldr.	12' Shldr.	
25	28	35	42
30	40	50	60
35	55	68	82
40	72	90	107
45	120	150	180
50	132	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)

**Table i**  
Device Spacing

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

**DISTANCE BETWEEN SIGNS**

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

^ Midway between signs.

**SYMBOLS**

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

**GENERAL NOTES**

1. When four or more work vehicles enter the through traffic lanes in a one hour period or less (excluding establishing and terminating the work area), the advanced FLAGGER sign shall be substituted for the WORKERS sign. For location of flaggers and FLAGGER signs, see Index No. 603.
2. SHOULDER WORK sign may be used as an alternate to the WORKER symbol sign only on the side where the shoulder work is being performed.
3. When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed in accordance with other applicable TCZ indexes.
4. For general TCZ requirements and additional information, refer to Index No. 600.

**DURATION NOTES**

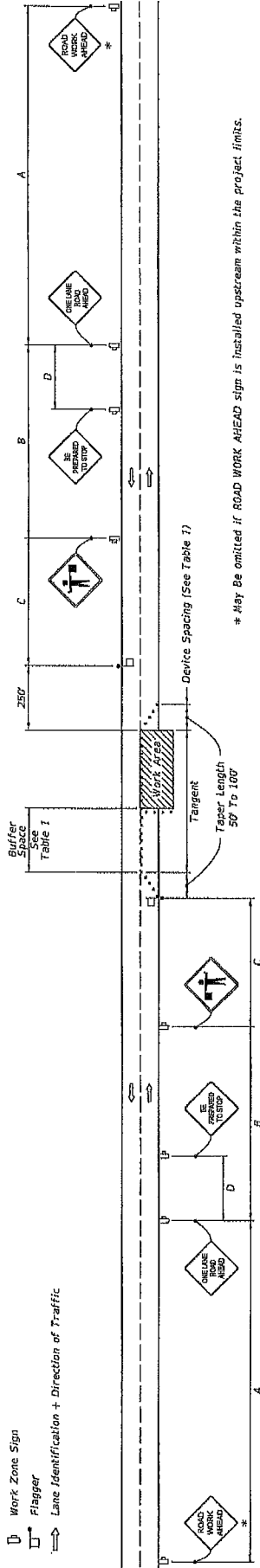
1. Signs and channelling devices may be omitted if all of the following conditions are met:
  - a. Work operations are 60 minutes or less.
  - b. Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.

**CONDITIONS**

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRDACH 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
- Flagger
- Lane Identification + Direction of Traffic



\* May be omitted if ROAD WORK AHEAD sign is installed upstream within the project limits.

**WITHOUT TEMPORARY RAISED RUMBLE STRIPS**

**GENERAL NOTES:**

1. Special Conditions may be required in accordance with these notes and the following sheets:
  - A. Railroad Crossings:
    - a. If an active railroad crossing is located closer to the Work Area than the queue length plus 300 feet, extend the Buffer Space as shown on Sheet 3.
    - b. In the queuing of vehicles across an active railroad crossing cannot be prevented, the Work Area shall be extended to the highway-rail grade crossing to prevent vehicles from stopping within the highway-rail grade crossing, even if automatic train warning devices are in place.
  - B. If the Work Area approaches on the Centerline, use the Layout for temporary Lane Shift to Shoulder on Sheet 3 only if the Existing Shoulder is wider than the Work Area and the Edge of Existing Pavement Shoulder. Reduce the posted speed when appropriate.
2. Temporary Raised Rumble Strips:
  - A. Use when both of the following conditions are met concurrently:
    - a. Existing Posted Speed is 55 mph or greater;
    - b. Work duration is greater than 60 minutes.
  - B. Use a consistent Strip color throughout the work zone.
  - C. Place each Rumble Strip Set transversely across the lane at locations throughout work zone.
  - D. Use Option 1 or Option 2 as shown on Sheet 2. Use only one option throughout work zone.
3. Additional one-way control may be provided by the following means:
  - A. Flag-carrying vehicle;
  - B. One-way sign;
  - C. Pilot vehicles;
  - D. Traffic signals.

When flaggers are the sole means of one-way control, the flaggers must be in sight of each other or in direct communication at all times.
4. When a side road intersects the highway within the TTC zone, place additional TTC devices in accordance with other applicable TTC indexes.
5. The two channelizing devices directly in front of the work area may be omitted provided vehicles in the work area have high-intensity rotating, flashing, oscillating, or strobe lights operating.
6. When Buffer Space cannot be attained due to geometric constraints, use the greatest attainable length, not less than 200 ft. for posted speeds greater than 25 mph.
7. ROAD WORK AHEAD and the BE PREPARED TO STOP signs may be omitted if all of the following conditions are met:
  - A. Work operations are 60 minutes or less.
  - B. Speed limit is 45 mph or less.
  - C. There are no sight obstructions to vehicles approaching the work area for or strobe lights operating.
  - D. Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.
  - E. Volume and complexity of the roadway has been considered.
  - F. If a railroad crossing is present, vehicles will not queue across rail tracks.
8. See Index 600 for general TCZ requirements and additional information.
9. Automated Flagger Assistance Devices (AFADs) may be used in accordance with Specifications Section 102, 990 and the APL vendor drawings.

**TABLE 1**

Posted Speed	DEVICE SPACING						Distance Between Signs				Buffer Space
	Maximum Spacing of Cones or Tubular Markers		Maximum Spacing of Type I or Type II Baricades/Panels/Drums								
	On a Taper	On a Tangent	On a Taper	On a Tangent	A	B	C	D			
25	20'	50'	20'	50'	200'	200'	200'	100'	155'		
30	20'	50'	20'	50'	200'	200'	200'	100'	200'		
35	20'	50'	20'	50'	200'	200'	200'	100'	250'		
40	20'	50'	20'	50'	200'	200'	200'	100'	305'		
45	20'	50'	20'	50'	200'	350'	350'	175'	360'		
50	20'	50'	20'	100'	500'	500'	500'	250'	425'		
55	20'	50'	20'	100'	2640'	1500'	1000'	500'	495'		
60	20'	50'	20'	100'	2640'	1500'	1000'	500'	570'		
65	20'	50'	20'	100'	2640'	1500'	1000'	500'	645'		
70	20'	50'	20'	100'	2640'	1500'	1000'	500'	730'		

**CONDITIONS**

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRUSH THE AREA BETWEEN THE CENTERLINE AND A LINE 2 OUTSIDE THE EDGE OF TRAVEL WAY.

LAST REVISION 01/07/16

DESCRIPTION: FY 2017-18 DESIGN STANDARDS

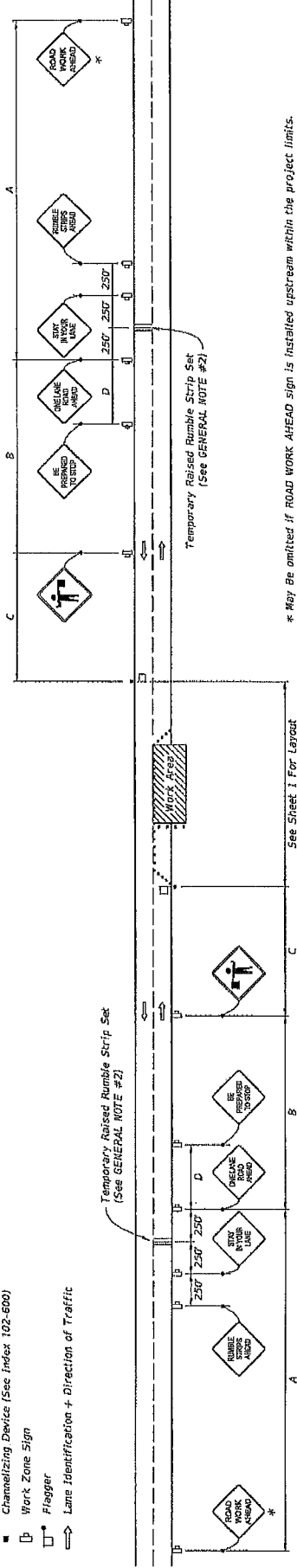
TWO-LANE, TWO-WAY, WORK WITHIN THE TRAVEL WAY

INDEX NO. 603 SHEET NO. 1 of 3



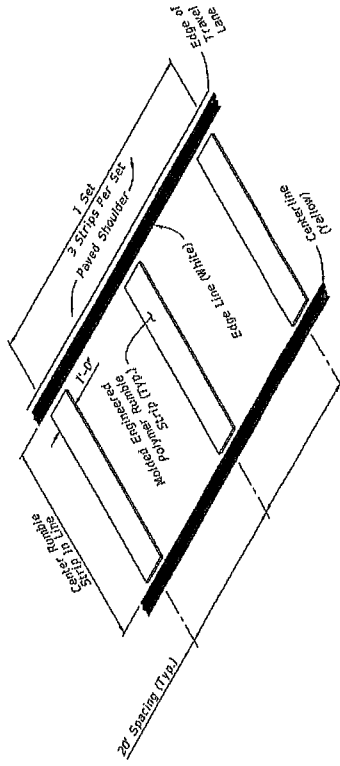
**SYMBOLS:**

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Flagger
- Lane Identification + Direction of Traffic



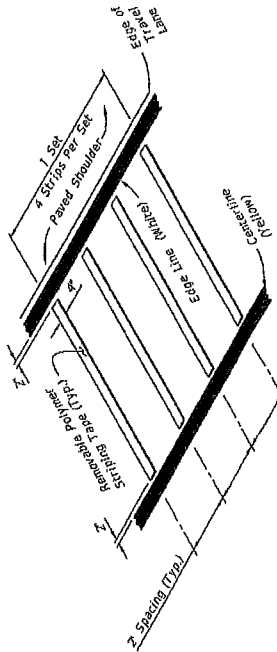
\* May be omitted if ROAD WORK AHEAD sign is installed upstream within the project limits.

**WITH TEMPORARY RAISED RUMBLE STRIPS**  
(When Required See GENERAL NOTE #2)



MOLDED ENGINEERED POLYMER SET

==== RUMBLE STRIP SET  
OPTION - 2








REMOVABLE POLYMER STRIPING TAPE

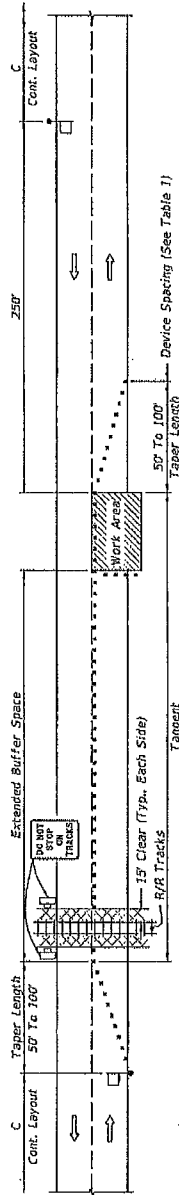
==== RUMBLE STRIP SET  
OPTION - 1

**TEMPORARY RAISED RUMBLE STRIPS**

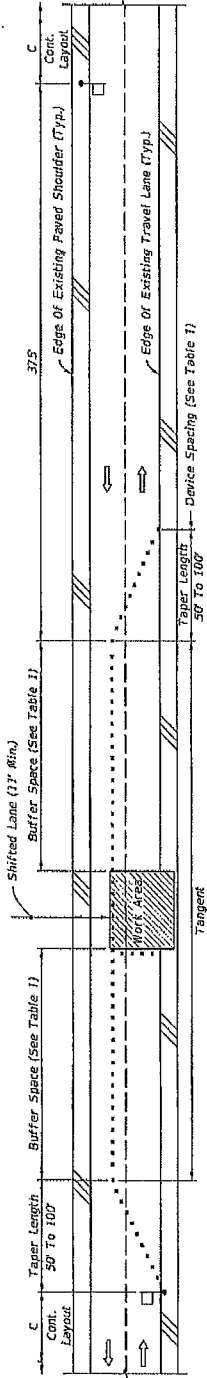
LAST REVISION 11/01/17	DESCRIPTION:	DESIGN STANDARDS	INDEX NO. 603	SHEET NO. 2 of 3
		FDOT		
		FY 2017-18		
		TWO-LANE, TWO-WAY, WORK WITHIN THE TRAVEL WAY		

**SYMBOLS:**

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



TEMPORARY RAILROAD CROSSING BUFFER SPACE EXTENSION

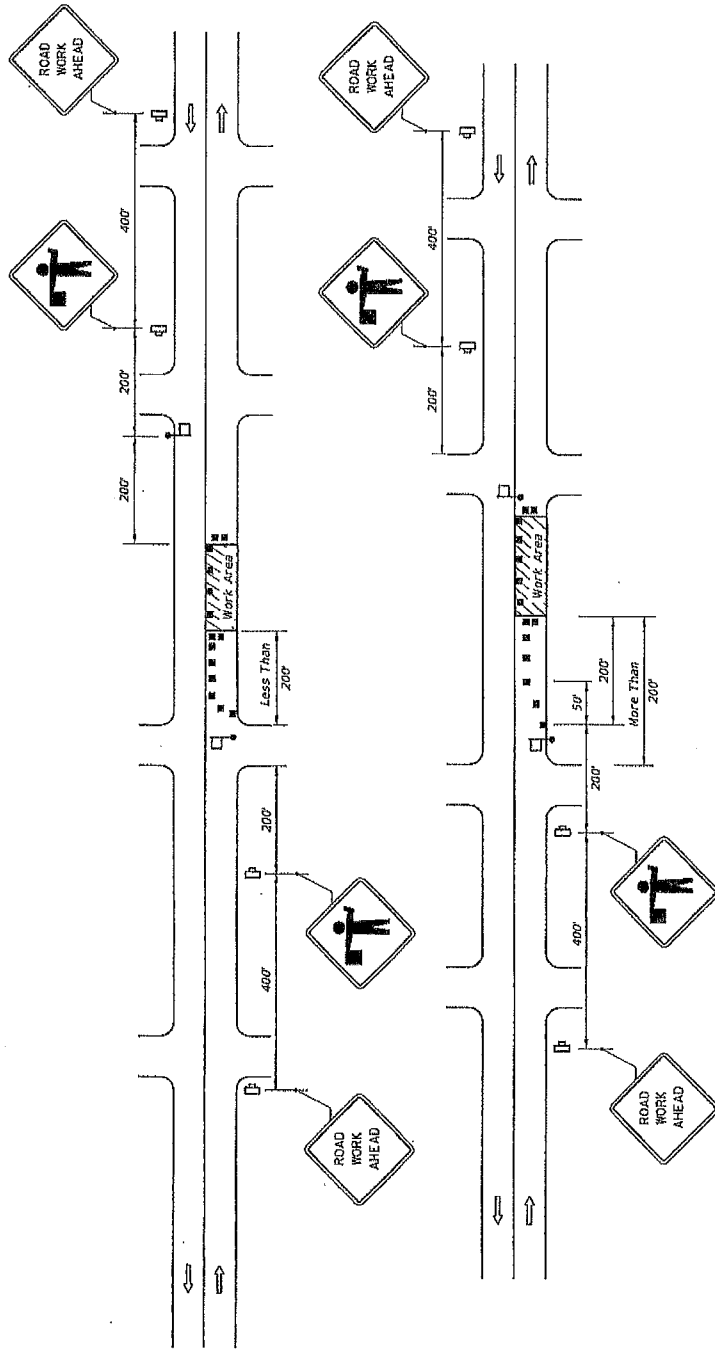


TEMPORARY LANE SHIFT TO SHOULDER WHEN WORK AREA ENCROACHES ON THE CENTERLINE

**SPECIAL CONDITIONS**

Cross Reference:  
1. See General Note #1, Sheet 1 for more information.

LAST REVISION 01/01/16	REVISION	DESCRIPTION:	FY 2017-18 DESIGN STANDARDS	TWO-LANE, TWO-WAY, WORK WITHIN THE TRAVEL WAY	INDEX NO. 603	SHEET NO. 3 of 3
			<b>SPECIAL CONDITIONS</b>			



**CONDITIONS**

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCOACH ON THE PAVEMENT REQUIRING THE CLOSURE OF ONE TRAFFIC LANE, FOR WORK AREAS LESS THAN 200' DOWNSTREAM FROM AN INTERSECTION FOR A PERIOD OF MORE THAN 60 MINUTES.

**CONDITIONS**

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCOACH ON THE PAVEMENT REQUIRING THE CLOSURE OF ONE TRAFFIC LANE, FOR WORK AREAS 200' OR MORE DOWNSTREAM FROM AN INTERSECTION FOR A PERIOD OF MORE THAN 60 MINUTES.

**SYMBOLS**

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

**GENERAL NOTES**

1. Work operations shall be confined to one travel lane, leaving the opposing travel lane open to traffic.
2. When vehicles in a parking zone block the line of sight to TCZ signs or when TCZ signs encroach on a normal pedestrian walkway, the signs shall be post mounted and located in accordance with Index No. 17302.
3. If work area is confined to an outside auxiliary lane, the work area shall be barricaded and the FLAGGER signs replaced by ROAD WORK AHEAD signs. Flaggers are not required.
4. Flaggers shall be in sight of each other or in direct communication at all times.
5. The FLAGGER legend sign may be substituted for the symbol sign.
6. The maximum spacing between devices shall be no greater than 25'.
7. For general TCZ requirements and additional information, refer to Index No. 600.
8. 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.
9. Use Temporary Raised Rumble Strips in accordance with Index 603. Placement of Rumble Strips and additional signs should begin at FLAGGER sign location.

**DURATION NOTES**

1. ROAD WORK AHEAD sign may be omitted if all of the following conditions are met:
  - a. Work operations are 60 minutes or less.
  - b. Speed is 45 mph or less.
  - c. No sight obstructions to vehicles approaching the work area for a distance of 600 feet.
  - d. Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.
  - e. Volume and complexity of the roadway has been considered.

LAST REVISION 07/01/15

FDOT DESIGN STANDARDS

FY 2017-18

TWO-LANE, TWO-WAY, WORK NEAR INTERSECTION

INDEX NO. 605

SHEET NO. 1 of 1