

MAC



# Right-of-Way Utilization Permit

Please complete a separate application for each road

Date: 7/7/15

Duke Energy

Business / Applicant's Name:

3300 Exchange Place, NP4C

Applicant's Street Address

Lake Mary, FL 32746

Applicant's City, State, Zip

407-942-9477

Telephone Number

sam.evans@duke-energy.com

Applicant's e-mail address

24 / 19S / 25E

Section Township Range

CR-473

Project Road Name

HCT3025 Drawing

Subdivision and/or Site Plan Name (if applicable)

7-27-15 CC.  
Paid Date Rec'd By

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.

Description of Work: Replacement of ground wire only at top of poles with a ground/fiber combination wire. No poles are being moved or added to r/w.  
New wire will be along road between existing poles in road R/W.

Contractor: TBD

Telephone Number: \_\_\_\_\_

Start of Construction Date: October 20, 2015

Construction duration: 35 days

Is proposed work within city limits? No

If so, what city? \_\_\_\_\_

A letter of notification was mailed on N/A-no digging, aerial activity only. to the following utilities & municipalities:

Applicant declares that he/she has determined the location of all existing underground and aerial utilities.  
Applicant declares that he/she has read the attached application requirements and permit conditions.

Sam Evans

Digitally signed by Sam Evans  
DN: cn=Sam Evans, o=Duke Energy, ou=Land Services,  
email=sam.evans@duke-energy.com, c=US  
Date: 2015.07.17 15:56:19 -0400

Signature of Applicant

Sam Evans

Applicant (Print Name)

Road #	<u>5036</u>	To be completed by County Staff	
Permit #	<u>6822</u>	Permit Fee: \$100.00	Fee Code: <b>PWRW</b>
Checked by:	<u>[Signature]</u>	Date Checked:	<u>7-23-2015</u>
Approved by:	<u>[Signature]</u>	Date Approved:	<u>7-23-15</u>
Special Conditions:	_____	Expiration Date:	<u>7-23-16</u>

*For inspection, call the Lake County Public Works Department at 352-253-6019  
Submit Permit to: Lake County Public Works, Post Office Box 7800, Tavares, FL 32778*

Public Works Department  
Road Operations Division

Entered Data One	<u>7-22-15</u>
First Scan	<u>"</u>
Updated Data One	<u>7-24-15</u>
Second Scan	<u>"</u>
Returned to Client	<u>"</u>

Right-of-Way Utilization Permit  
Effective June 2015

Related Permit # 6818-6825  
Plans with Permit #



## Right-of-way Utilization Permit Requirements

The purpose of the Right-of-Way Utilization permit is to control the use of public rights-of-way and public easements and protect the health, safety and welfare of the public. Any work within public rights-of-way requires an approved right-of-way utilization permit.

### Application Requirements:

For each road involved, please submit one (1) original application and supporting documentation to the Lake County Department of Public Works.

Completed applications must include a sketch or construction plans drawn to scale, showing the following:

1. The offset from the centerline of the right-of-way or roadway to the proposed utility 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.

All permit applications must demonstrate that the proposed improvements conform to the right-of-way utilization requirements included in the *Lake County Land Development Regulations*.

Projects of significant length and land size may require a complete right-of-way survey.

A performance bond 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 amount of the performance bond shall be 110% of the estimated cost to repair such damage, as determined by Lake County.

Prior to construction, applicant shall provide written notice to all property owners adjacent to the project limits. This notice shall include, at a minimum, the anticipated construction schedule, maintenance of traffic plan and any impacts, permanent or temporary, to the adjacent properties. The notice must provide contact information including the name and telephone number of the project manager. Within a minimum of fourteen (14) calendar days prior to construction, applicant shall provide to the County a copy of the notification with a list of the parties notified.

A copy of the approved permit and related supporting documents shall be on site at all times during construction.

### Permit Conditions:

Whenever necessary for the construction, maintenance, operation or alteration of the right-of-way, as determined by the County, any or all of the appurtenances authorized by this permit shall be immediately removed from the right-of-way or relocated, as required by the County, at the expense of the applicant unless reimbursement is specifically authorized.

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.

All work, materials and equipment shall meet all County codes and standards and shall be subject to inspection by the County. 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, matching existing grass type. Bahia sod shall be used if no grass is present at time of construction.

The construction and maintenance of this utility shall not interfere with the property and rights of a prior applicant.

Where possible, excavation shall not be allowed within five (5) feet from the edge of the pavement. Situations that cannot meet this requirement shall require prior approval of the County.

The County shall be notified twenty-four (24) hours in advance of starting work. In the interest of public safety all operations shall take place during daylight hours, unless specifically authorized, and discontinued by sunset with proper signage and traffic control devices maintained during off hours.

All traffic detours shall be restricted to the limits of right-of-way with necessary flagmen and marking devices. A traffic detour or lane closure shall require specific approval by the County.

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 its 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.

All utility construction and maintenance shall be performed with proper shoring, barricades, and maintenance of traffic signage in accordance with the *Manual of Uniform Traffic Control Devices*, with the regulations of Florida Industrial Safety Board, and the *Florida Department of Transportation Safety Manual*.

The County shall not be responsible for damages to any structure placed within the right-of-way. All structures shall be properly maintained, adequately visible or properly delineated to prevent damage due to normal maintenance of the right-of-way.

Open cuts of roads will not be allowed unless specifically authorized by Lake County. Directional bore or jack and bore operations should maintain a five (5) foot minimum clearance from edge of pavement on road crossing each side. Recommended bore depth is thirty-six inches (36") and a minimum bore depth is thirty inches (30"). Any overhead installations should maintain a minimum of eighteen (18) feet vertical clearance over all roadways and driveways.

This permit is effective for one year from its approval date, unless otherwise rescinded by Lake County.

### **Inspection and Approval of Work:**

The County shall have the right to inspect and approve all materials and/or phases of work. Final inspection and acceptance of work by the County must be obtained to document the completion of the work. All work shall be subject to the construction requirements and inspections as required in other provisions of the *Lake County Land Development Regulations*. 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 Lake 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 to the utility or its agent by Lake County be removed or relocated by such utility at its own expense.

It is agreed that in the event the installation, adjustment or relocation of said utilities are scheduled to be done simultaneously with Lake County construction work, the applicant shall coordinate with Lake County before proceeding and shall cooperate with the Lake County's contractor to arrange the sequence of work so as not to delay the work of Lake County contractor, defend any legal claims of Lake County's contractor due to delays caused by the applicant'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*. The applicant shall not be responsible for delay beyond its control.

All right-of-way utilization activities shall be reported to Sunshine State One-Call at least seventy-two (72) hours prior to commencement.

**Guarantee and Responsibility for Compliance:**

In the case of noncompliance with the County's requirements, this permit will be void and the facility will be brought into compliance or removed from the right-of-way at no cost to the County.

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.

Any failures shall be repaired by the applicant, at the direction of the County, within five (5) days, unless the urgency of the problem requires a quicker reaction time.

The applicant shall be responsible for all repair costs incurred due to damages to existing utilities by failure to use due care, including errors in locating existing utilities during construction.

Removal/Relocation of Improvements: Upon ten (10) days written notice, the applicant shall be required to remove and/or relocate the improvements placed within the right-of-way at the applicant's sole expense.

It is expressly stipulated that this permit is a license for permissive use only and that the placing of facilities upon public property pursuant to this permit shall not operate to create or vest any property right in said holder.

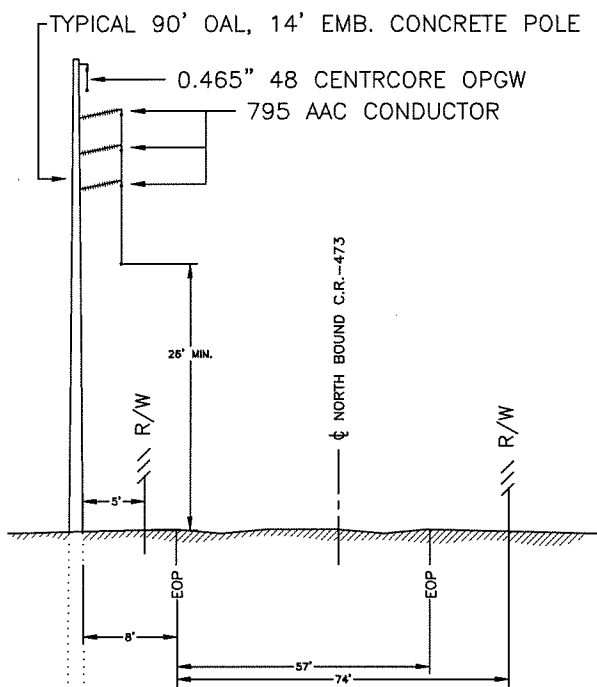
It is understood and agreed that the rights and privileges herein set out are granted only to the extent of the County's right, title and interest in the land to be entered upon and used by the holder, and the holder will, at all times, assume all risk of and indemnify, defend and save harmless the County of Lake 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.

**I have read and understand the above requirements**

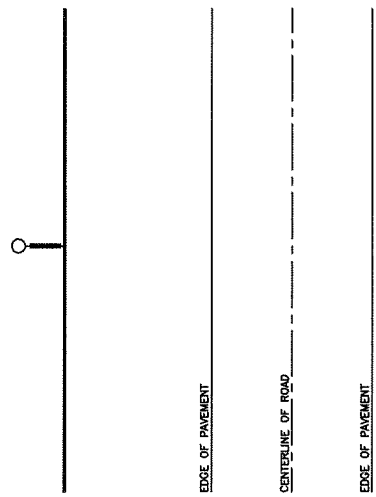
**Sam Evans**

Digitally signed by Sam Evans  
DN: cn=Sam Evans, o=Duke Energy, ou=Land  
Services, email=sam.evans@duke-energy.com, c=US  
Date: 2015.07.17 15:56:46 -0400

**Applicant's Signature/Date**



LOOKING NORTHWEST  
STRUCTURES HCT-47 THRU HCT-50



PLAN VIEW

UTILITY LEGEND	
⊙	CATV
⊙	TELEPHONE
⊙	POWER
⊙	GAS
⊙	OIL
⊙	SEWER
⊙	WATER
⊙	MISC.

ROAD NAME AND/OR NUMBER: C.R.-473					
SEC. 24	TWP. 19S	RGE. 25E			
AN APPLICATION TO INSTALL, OPERATE AND MAINTAIN A 69 kV TRANSMISSION LINE ALONG AND/OR ACROSS THE PROPERTY INDICATED ABOVE.			7/15 DATE	v: NTS h: NTS SCALE	LINE ENGINEERING
			PS DRAWN	M.A.B. TECH	TYPICAL PARALLELISM COUNTY ROAD PERMIT HAINES CREEK-TAVARES (SECO) REPLACE 3/8" STEEL OHG WITH 0.465" CENTACORE OPGW
REFERENCE DATA PARALLELISM LOCATED APPROX. 0.73 MILES SOUTH FROM U.S.-441		PARALLELISM DATA APPROX. N/A MILES LOCATED WITHIN ROAD R/W.		M.A.B. CHECK	M.A.B. ENGR
			1 OF 1 SHEET	DWG.	HCT3025

**RECEIPT**

**LAKE COUNTY BOCC**  
**315 W MAIN ST**  
**Tavares , FL 32778**  
**Phone**

**Transaction Type :** Sale

**Comment :** RIGHT OF WAY UTILIZATION PERMITS # 6818-6825

**Merchant-Defined Data Fields**

**Merchant-Defined Data Field 1 :** RIGHT OF WAY UTILIZATION PERMIT

**Department :** PUBLIC WORKS

**Merchant-Defined Data Field 3 :** 5056260-341213

<b>Total : 505.00 USD</b>
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**Cardholder Information**

**Name** SAM L EVANS

**Credit Card Type :** MasterCard

**Credit Card Number :** #####4988

**Company :** DUKE ENERGY

**Phone :** 4079429477

**Email :** SAM.EVAN@DUKE-ENERGY.COM



**Location Map  
CR-473 DWG HCT-3025**

14-19S-25E

13-19S-25E

Malayon Way  
Alon

Paradise N  
Kelou Ct

Paradise Way  
STR HCT-45

Paradise S

Springdale Ave

STR HCT-46

STR HCT-47

Woodside Dr

Merrill Rd

STR HCT-48

Lake Eustis Dr

Lake Eustis

Lakes at Leesburg

LAKE  
STR HCT-49

CR-473

STR HCT-50

STR HCT-51

STR HCT-52

STR HCT-53

STR HCT-54

STR HCT-55

STR HCT-56

(HCT-1) - Haines Creek - Tavares (SEC)

23-19S-25E

24-19S-25E

Sea Fern Dr

Buccaneer Dr

Bayberry Dr

Lattice Dr

Paradise Way

Tortuga Way

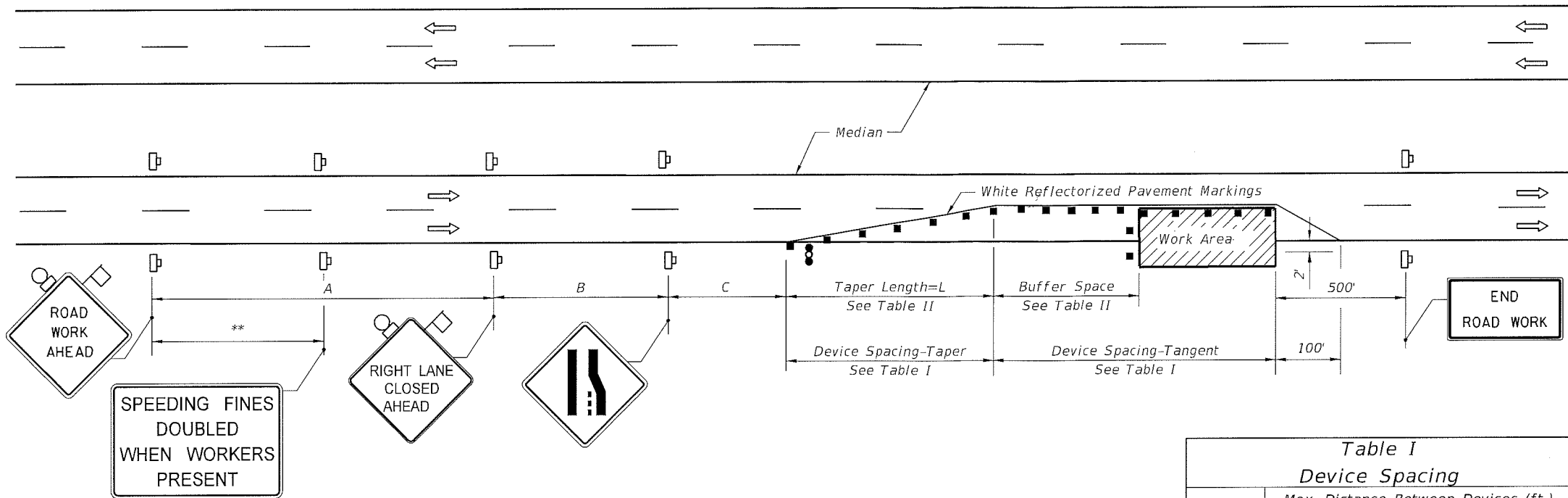
Sugarboat Dr

Buccaneer Dr

Key Biscayne Way

Sunny St

STR HCT-58



**Table II**  
Buffer Space and Taper Length

Speed (mph)	Buffer Space	Taper Length (12' Lateral Transition)	
	Dist. (ft.)	L (ft.)	Notes (Merge)
25	155	125	$L = \frac{WS^2}{60}$
30	200	180	
35	250	245	
40	305	320	
45	360	540	$L = WS$
50	425	600	
55	495	660	
60	570	720	
65	645	780	
70	730	840	

Speed	Spacing (ft.)		
	A	B	C
40 mph or less	200	200	200
45 mph	350	350	350
50 mph	500	500	500
*55 mph or greater	2640	1640	1000

\* The ROAD WORK 1 MILE sign may be used as an alternate to the ROAD WORK AHEAD sign and the RIGHT LANE CLOSED 1/2 MILE sign may be used as an alternate to the RIGHT LANE CLOSED AHEAD sign.

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

**SYMBOLS**

- Work Area
- Sign With 18"x 18" (Min.) Orange Flag And Type B Light
- Channelizing Device (See Index No. 600)
- Work Zone Sign
- Advance Warning Arrow Board

**GENERAL NOTES**

- Work operations shall be confined to one traffic lane, leaving the adjacent lane open to traffic.
- On undivided highways the median signs as shown are to be omitted.
- When work is performed in the median lane on divided highways, the channelizing device plan is inverted and left lane closed and lane ends signs substituted for the right lane closed and lane end signs.  
  
The same applies to undivided highways with the following exceptions:  
a. Work shall be confined within one median lane.  
b. Additional barricades, cones, or drums shall be placed along the centerline abutting the work area and across the trailing end of the work area.  
  
When work on undivided highways occurs across the centerline so as to encroach on both median lanes, the inverted plan is applied to the approach of both roadways.
- Signs and traffic control devices are to be modified in accordance with INTERMITTENT WORK STOPPAGE details (sheet 2 of 2) when no work is being performed and the highway is open to traffic.
- 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.
- When paved shoulders having a width of 8 ft. or more are closed, channelizing devices shall be used to close the shoulder in advance of the merging taper to direct vehicular traffic to remain within the travel way. See Index No. 612 for shoulder taper formulas.
- When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed in accordance with other applicable TCZ Indexes.
- This TCZ plan does not apply when work is being performed in the middle lane(s) of a six or more lane highway. See Index No. 614.
- For general TCZ requirements and additional information, refer to Index No. 600.

**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
50 to 70	25	50	50	100

When Buffer Space cannot be attained due to geometric constraints, the greatest attainable length shall be used, but not less than 200 ft.

For lateral transitions other than 12', use Where:

L = Length of taper in feet  
W = Width of lateral transition in feet  
S = Posted speed limit (mph)

**DURATION NOTES**

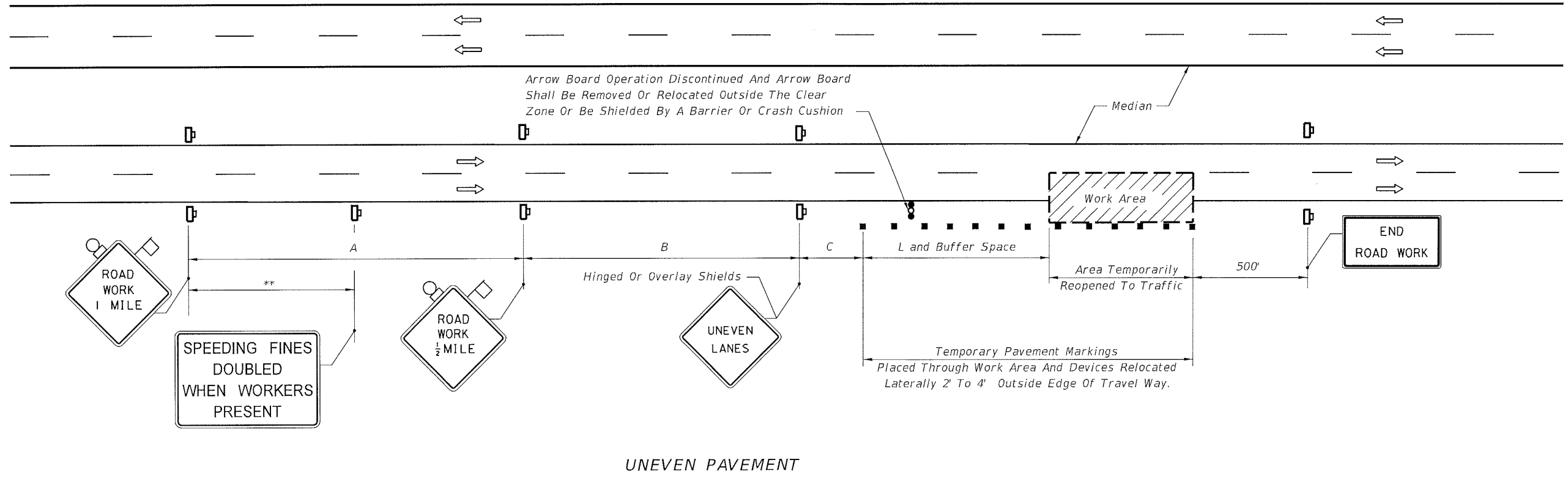
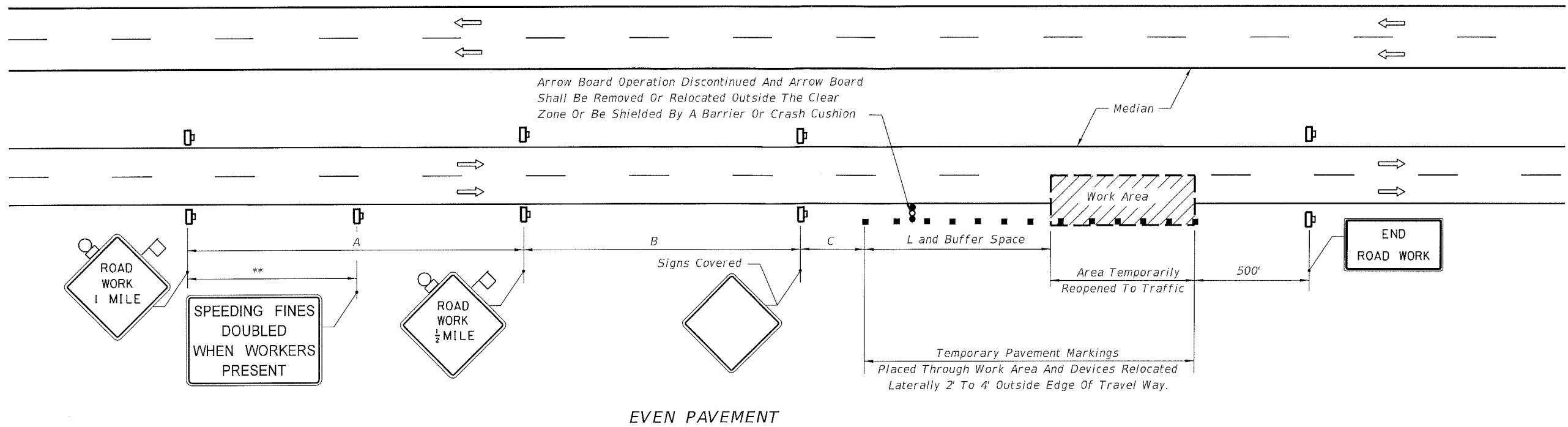
- Temporary white edgeline may be omitted for work operations less than 3 consecutive calendar days.
- For work operations up to approximately 15 minutes, signs, channelizing devices, arrow board, and buffer space may be omitted if all of the following conditions are met:
  - Speed limit is 45 mph or less.
  - No sight obstructions to vehicles approaching the work area for a distance equal to the buffer space and the taper length combined.
  - Volume and complexity of the roadway has been considered.
  - 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.
- For work operations up to 60 minutes, arrow board and buffer space may be omitted if conditions a, b, and c in DURATION NOTE 2 are met, and 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 ON THE LANE ADJACENT TO EITHER SHOULDER AND THE AREA 2' OUTSIDE THE EDGE OF TRAVEL WAY.

5/21/2014 7:59:37 AM





**INTERMITTENT WORK STOPPAGE - LANE REOPENED TO TRAFFIC**

5/21/2014 7:59:38 AM

LAST REVISION 07/01/05	REVISION	DESCRIPTION:	 2015 <b>DESIGN STANDARDS</b>	<b>MULTILANE, WORK WITHIN TRAVEL WAY          MEDIAN OR OUTSIDE LANE</b>	INDEX NO. <b>613</b>	SHEET NO. <b>2 of 2</b>
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