

PLAN NOT TO SCALE

TABLE 1 CHANNELIZING DEVICE SPACING				
Work Zone Speed (mph)	Max. Spacing (feet)			
	Cones or Temporary Tubular Markers	Type I Barricades, Vertical Panels, or Drums		
	Taper	Tangent	Taper	Tangent
≤ 45	25	50	25	30
≥ 50	25	50	50	100

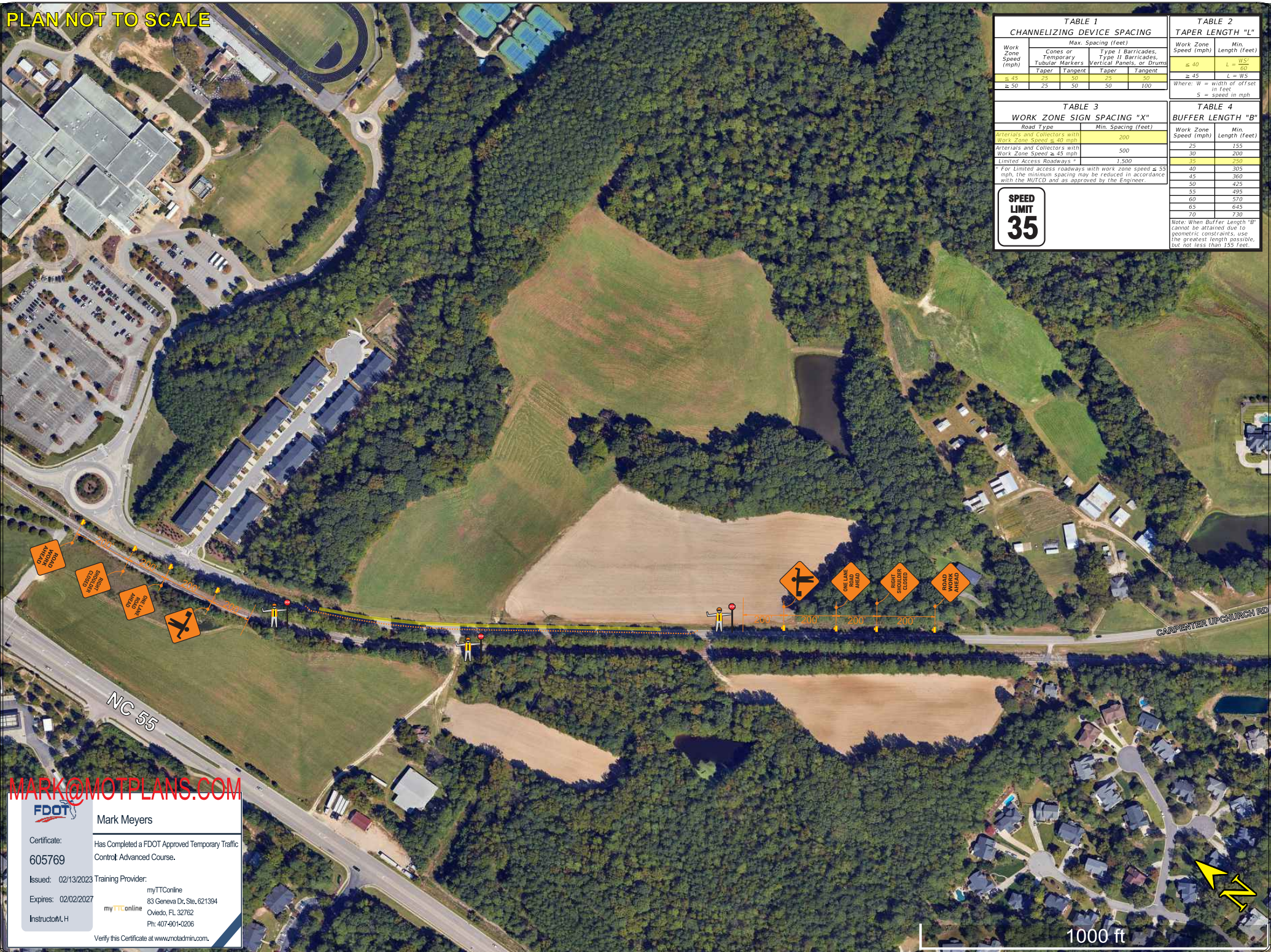
TABLE 3 WORK ZONE SIGN SPACING "X"		TABLE 4 BUFFER LENGTH "B"	
Road Type	Min. Spacing (feet)	Work Zone Speed (mph)	Min. Length (feet)
Arterials and Collectors with Work Zone Speed ≤ 40 mph	200	25	155
Arterials and Collectors with Work Zone Speed ≥ 45 mph	500	30	200
Limited Access Roadways *	1,500	35	250
* For limited access roadways with work zone speed ≥ 55 mph, the minimum spacing may be reduced in accordance with the MUTCD and as approved by the Engineer.		40	305
		45	360
		50	425
		55	495
		60	570
		65	645
		70	730

TABLE 2 TAPER LENGTH "L"		
Work Zone Speed (mph)	Min. Length (feet)	
≤ 40	L = $\frac{WS}{2}$	
≥ 45	L = WS	

Where: W = width of offset in feet  
S = speed in mph

TABLE 4 BUFFER LENGTH "B"		
Work Zone Speed (mph)	Min. Length (feet)	
25	155	
30	200	
35	250	
40	305	
45	360	
50	425	
55	495	
60	570	
65	645	
70	730	

Note: When Buffer Length "B" cannot be attained due to geometric constraints, use the greatest length possible, but not less than 155 feet.



MARK@MOTPLANS.COM

**FDOT**

Mark Meyers

Certificate: 605769

Has Completed a FDOT Approved Temporary Traffic Control Advanced Course.

Issued: 02/13/2023 Training Provider: myTTOnline

Expires: 02/02/2027 83 Geneva Dr, Ste. 621394 Oviedo, FL 32762

Instructor: M.H. Ph: 407-601-0206

Verify this Certificate at [www.motadmin.com](http://www.motadmin.com).



SHEET	TABLE OF CONTENTS
1	General Notes, TTC Tables
2	Definitions Temporary Traffic Control Devices Overhead Work Railroads Sight Distance Above Ground Hazard
3	Clear Zone Widths For Work Zones Superelevation Length Of Lane Closures Overweight/Oversize Vehicles Lane Widths High-Visibility Safety Apparel Speed Reduction Signing
4	Flagger Control Survey Work Zones Signs
5	Work Zone Sign Supports
6	Commonly Used Warning and Regulatory Signs In Work Zones
7	Manholes/Crosswalks/Joints Truck Mounted Attenuators Signals Channelizing Devices Channelizing Devices Consistency Advanced Warning Arrow Boards
8	Drop-Offs In Work Zones
9	Business Entrance Temporary Asphalt Separator
10	Channelizing Devices Notes Temporary Barrier Notes
11	Pavement Markings

GENERAL NOTES:

1. This Index contains information specific to the Federal and State guidelines and standards for the preparation of traffic control plans and for the execution of traffic control in work zones, for construction and maintenance operations and utility work on highways, roads and streets on the State Highway System. Certain requirements in this Index are based on the high volume nature of State Highways. For highways, roads and streets off the State Highway System, the local agency (City/County) having jurisdiction may adopt requirements based on the minimum requirements provided in the MUTCD.
2. Use this Index in accordance with the Plans and Indexes 102-601 through 102-680. Indexes 102-601 through 102-680 are Department-specific typical applications of commonly encountered situations. Adjust device location or number thereof as recommended by the Worksite Traffic Supervisor and approved by the Engineer. Devices include, but are not limited to, flaggers, portable temporary signals, signs, pavement markings, and channelizing devices. Comply with MUTCD or applicable Department criteria for any changes and document the reason for the change.
3. Except for emergencies, any road closure on State Highway System must comply with Section 335.15, F.S.

TABLE 1 CHANNELIZING DEVICE SPACING				
Work Zone Speed (mph)	Max. Spacing (feet)			
	Cones or Temporary Tubular Markers		Type I Barricades, Type II Barricades, Vertical Panels, or Drums	
	Taper	Tangent	Taper	Tangent
≤ 45	25	50	25	50
≥ 50	25	50	50	100

TABLE 2 TAPER LENGTH "L"	
Work Zone Speed (mph)	Min. Length (feet)
≤ 40	$L = \frac{WS^2}{60}$
≥ 45	$L = WS$
Where: W = width of offset in feet S = speed in mph	

TABLE 3 WORK ZONE SIGN SPACING "X"	
Road Type	Min. Spacing (feet)
Arterials and Collectors with Work Zone Speed ≤ 40 mph	200
Arterials and Collectors with Work Zone Speed ≥ 45 mph	500
Limited Access Roadways *	1,500

\* For Limited access roadways with work zone speed ≤ 55 mph, the minimum spacing may be reduced in accordance with the MUTCD and as approved by the Engineer.

**SYMBOLS:**

- Work Area
- Channelizing Device
- Work Zone Sign
- Type III Barricade
- Lane Identification and Direction of Traffic

TABLE 4 BUFFER LENGTH "B"	
Work Zone Speed (mph)	Min. Length (feet)
25	155
30	200
35	250
40	305
45	360
50	425
55	495
60	570
65	645
70	730
Note: When Buffer Length "B" cannot be attained due to geometric constraints, use the greatest length possible, but not less than 155 feet.	

Mark Meyers

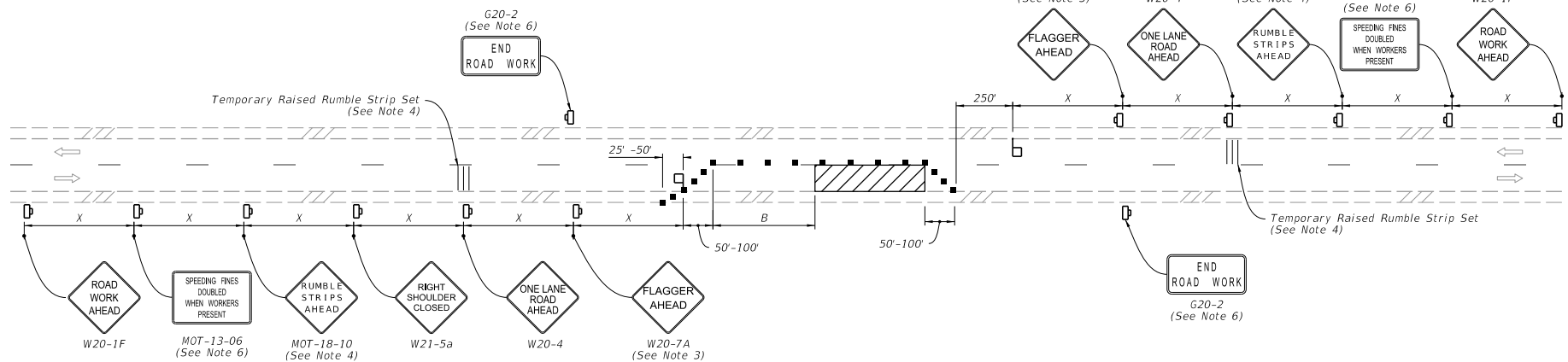
Certificate:  
605769

Issued: 02/13/2023 Training Provider:  
myTTCOnline  
Expires: 02/02/2027 83 Geneva Dr. Ste. 621394  
myTTCOnline Oviedo, FL 32762  
Instructor: M.H. Ph: 407-901-0206

Verify this Certificate at [www.motadmin.com](http://www.motadmin.com).

MARK@MOTPLANS.COM

9/28/2023 8:22:47 AM

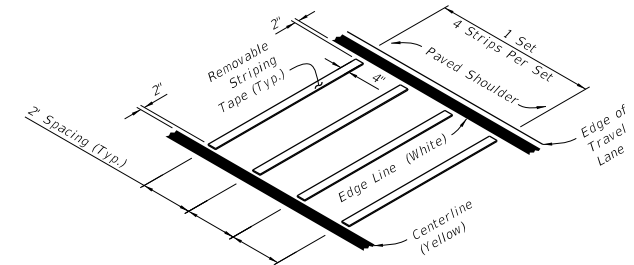


#### NOTES:

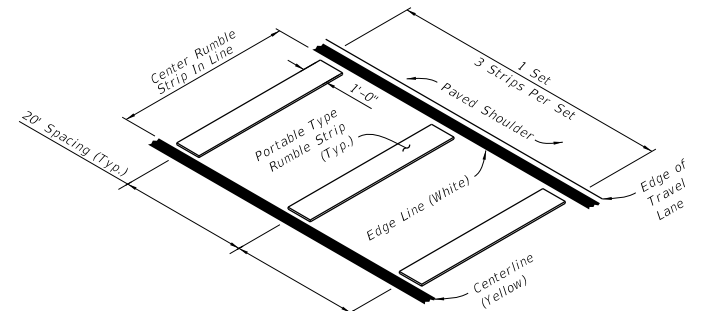
1. This Index applies to Two-Lane, Two-Way Roadways with work within the traveled way.
2. L = Taper Length  
B = Buffer Length  
X = Work Zone Sign Spacing  
See Index 102-600 for "L", "B", "X" and channelizing device spacing values.
3. Optionally, use "Flagger Ahead" sign with symbol (W20-7) instead of "Flagger Ahead" sign with text (W20-7A).
4. Use temporary raised rumble strips when the existing posted speed is 55 mph or greater and the work duration is greater than 60 minutes. If temporary raised rumble strips are not used, omit "Rumble Strips Ahead" signs (MOT-18-10) and associated work zone sign spacing.
5. Additional one-way control may be provided by the following means:
  - a. Flag-carrying vehicle
  - b. Official vehicle
  - c. Pilot vehicles
  - d. Traffic signals
6. The "Speeding Fines Doubled When Workers Present" signs (MOT-13-06) and "End Road Work" signs (G20-2), along with associated work zone sign spacing, may be omitted when the work operation will be in place for 24 hours or less.
7. Automated Flagger Assistance Devices (AFADs) may be used in accordance with Specification Sections 102, 990 and the APL vendor drawings.
8. 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 2.
  - b. If the queuing of vehicles across an active railroad crossing cannot be avoided, provide a uniformed traffic control officer or flagger at 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.

#### SYMBOLS:

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



OPTION - 1  
REMOVABLE STRIPING TYPE



OPTION - 2  
PORTABLE TYPE

RUMBLE STRIP SETS



FY 2024-25  
STANDARD PLANS

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

INDEX  
102-603

SHEET  
1 of 2