2022 EDITION

LTIMAT ESCIURC.

A Comprehensive Guide With Links To Commonly Used TTC Publications, Training Resources and Videos.

PROVIDED BY



INTRODUCTION

Based on Client feedback we created this guide to help you with your TTC Projects. We know that if can be difficult to find what you may be looking for at times. This is why we created this guide.

While this guide is extremely comprehensive there may be resources that are not mentioned as we cannot list everything and new publications may be produced.

The links for all resources provided have been tested and confirmed to work as of January 2022.

If you come across a link that is not working please let us know so we can make an updated.

Always refer to the FDOT website if you are not able to find what you are looking for with regards to Temporary Traffic Control.

https://www.fdot.gov/

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FDOT TTC Training

https:myttconline.com

myTTConline is a State Approved TTC Training Provider, # 249. myTTConline offers Virtual Training classes to the general public every month and can provide private virtual or in-person training at your location to organizations or groups.

Here is a list of benefits of taking your training with myTTConline:

- 100% Money Back Guarantee
- Free Rescheduling
- Free Attendee Switching
- Free PDH certificates for Engineers
- Classes NEVER Canceled
- Train From Home or office
- Printed & PDF Materials Included
- Standard Plan Cliff notes
- Group Discounts with 3 or more
- Discount Premium Wallet Certificates

Click The Buttons To Learn More About TTC Training & Certification

TTC INTERMEDIATE

TTC INTERMEDIATE
REFRESHER

TTC ADVANCED

TTC ADVANCED REFRESHER

250+ ★★★★ Reviews



FDOT TTC Training Administrator

https://www.motadmin.com/home.aspx

The FDOT TTC Administrator is responsible for administration of all training and certification aspects of TTC, including approving all providers, Exam creation and grading and TTC Exam Scores & Certification tracking.

NOTE* You cannot take a Refresher course if your certificate has expired and you cannot apply for an extension.

After you take a TTC Training and Exam with and approved Provider, they will submit your exam to the Administrator. The Administrator will grade your exam and create your certificate as long as you scored a 70% or higher.

Your Certificate is valid for 4 years from the date of your last past Exam.

The Administrator will then contact you via email to give you access to your score and certificate. You will access your score and certificate on the TTC Administrators webste.

Verify A Certificate

• https://www.motadmin.com/verify-a-certificate.aspx

Student FAQ's

https://www.motadmin.com/student-faqs.aspx

Contact Information

 Cindy Rullan 813.419.1730 admin@motadmin.com



FDOT Standard Plans

https://www.fdot.gov/design/standardplans/sprbc.shtm



Effective for Projects with Lettings in the Fiscal Year (FY) from July 1, 2022 through June 30, 2023

The FDOT Standard Plans are intended to support the various engineering processes for construction operations on the State Highway Systems. They are established to ensure the application of uniform standards in the preparation of the contract plans for construction of roadways and structures. These Standard Plans may be used for maintenance operations or adopted by other authorities for the use on projects under their jurisdiction.

It is the responsibility of the Engineer of Record using these Standard Plans to determine the fitness for a particular use of each in the design of a project. The inappropriate use of and adherence to these standard Plans does not exempt the engineer from the professional responsibility of developing an appropriate design

FDOT Standard Plans Quick Reference Sheet: 102 Series Table

https://fdotwww.blob.core.windows.net/sitefinity/docs/default-source/design/standardplans/2022/102-600-quickguide.pdf?

CF	HANNELI	TABLE ZING DE	I VICE SPA	CING
Work Zone Speed (mph)		Maximu	m Spacing (fee	et)
	Temp	es or orary Markers	Type II I	Barricades. Barricades. els, or Drums
	Taper	Tangent	Taper	Tangent
≤ 45	25	50	25	50
≥ 50	25	50	50	100

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

Work Zone Speed (mph)	Travel Lanes & Multilane Ramps (feet)	Auxiliary Lanes & Single Lane Ramps (feet)	
60-70	.30	18	
55	24	14	
45-50	18	10	
30-40	14	10	
ALL SPEEDS CURB & GUTTER	4 BEHIND FACE OF CURB	4 BEHIND FACE OF CURB	

LAST FOOT FY 2021-22
FOOT STANDARD PLANS

Work Zone Speed (mph)	Minimum Length (feet)
25	755
30	200
35	250
40	305
45	360
50	425
.55	495
60	570
65	645
70	730

MINIMUM RADII FOR NORMAL CROWN		
Work Zone Posted Speed (mph)	Minimum Radius (feet)	
70	4090	
.65	3130	
60	2400	
.55	1840	
50	1390	
45	1080	
40	820	
35	610	
30	430	

QUICK REFERENCE SHEET 102 SERIES TABLES The FDOT Standard Plans Quick Reference Sheet is to be used in conjunction with your standard Plans.

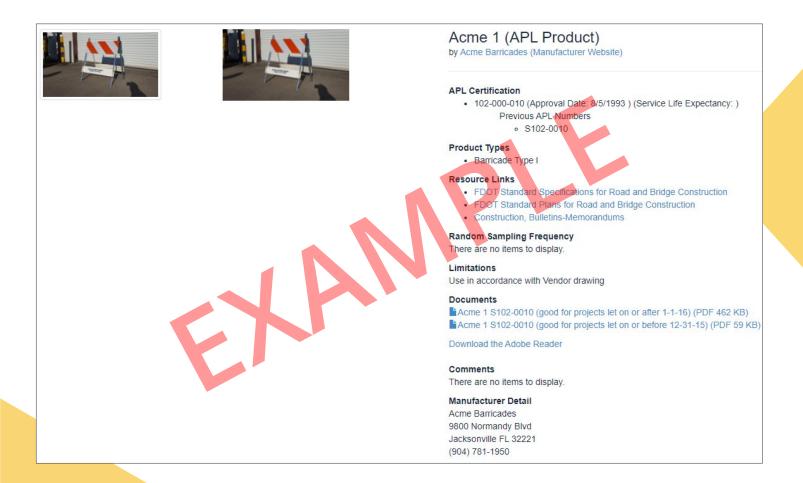
This Quick Reference Sheet has copies of 8 tables that are in the Standard Plans plus and additional table (table 9) that gives you the various lengths needed for tapers at 5 mile per hour increments and various roadway widths.

FDOT Approved Products List

https://fdotwp1.dot.state.fl.us/ApprovedProductList/Specifications

The Approved products list is a database available on the FDOT website that provides you the details of approved devices that can be used for temporary traffic control.

Below is a screenshot of an approved Type I barricade



FDOT Basis of Estimates

https://www.fdot.gov/programmanagement/estimates/documents/boemanual



Basis of Estimates Manual 2022 The Basis of Estimates Manual sets forth the standard methods of documenting design quantities, as well as selection criteria, for pay items for Florida Department of Transportation (FDOT) projects.

Pay items are used to define, quantify, and pay for items of work to be completed on the Department's Maintenance and Construction Contracts.

FDOT Baisis of Esitmate 2 Part Training

(click image to open training)



introduction to
Basis of Estimates



Pay Item Updates

Lane Closure Analysis

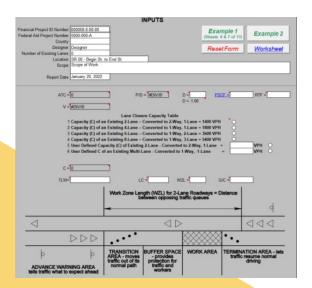
https://myttconline.com/wp-content/uploads/2021/10/ 2021fdm241laneclosranlys.pdf

Lane closure analysis is a process used to calculate the peak hour traffic volume and the restricted capacity for open road and signalized intersections. The analysis will determine if a lane closure should be allowed and the time period a lane closure could occur without excessive travel delay.

Many roadways have directional peak hour traffic volumes, with inbound morning traffic, and outbound afternoon traffic. Doing a composite lane closure analysis would in many cases require night work or create very short allowable lane closure periods. If a separate lane closure analysis is calculated for inbound and outbound separately, night work may be avoided and longer lane closure periods may be allowed.

Lane Closure Worksheet

https://www.motadmin.com/media/1965/laneclosure.xls



This Excel file assists in the preparation of the Lane Closure Worksheet. The program can be found at the Department's TTC Resources web page: TTC Resource Download Library. The Excel worksheet is based on the methods presented the Lane Closure Analysis; Districts may require alternate methods.

The Excel worksheet also illustrates two examples: a widening project and a resurfacing project.

Traffic Pacing Worksheet

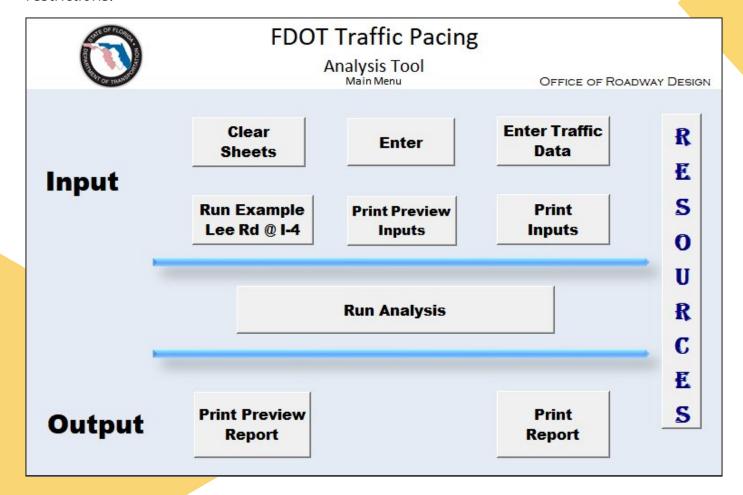
https://www.motadmin.com/media/1989/trafficpacing.xls

Traffic pacing is a temporary traffic control technique that allows short duration work operations by pacing traffic at a slow speed upstream of the work zone. The Department frequently allows this technique for:

- Installing overhead sign structures
- Replacing sign panels
- Placing bridge beams
- · Installing utility crossings

See the Standard Plans for additional traffic pacing information.

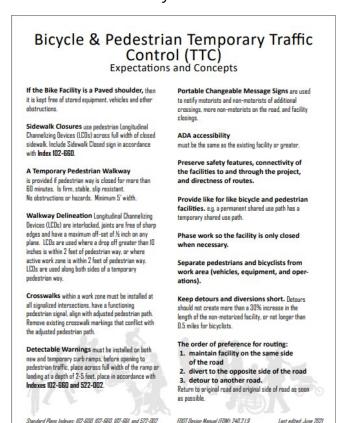
Specify traffic pacing restrictions for all multilane roadways with a work zone speed of 50 mph or greater. See FDM 242 for the procedure for calculating the traffic pacing restrictions.



Bicycle & Pedestrian Temporary Traffic Control

https://myttconline.com/wp-content/uploads/2021/10/04-Slide-142-TTCtipcard-ltr_onepage_June2021.pdf

This is a great worksheet that points out important information regarding traffic control zones that involve Bicycle and Pedestrian walk ways.

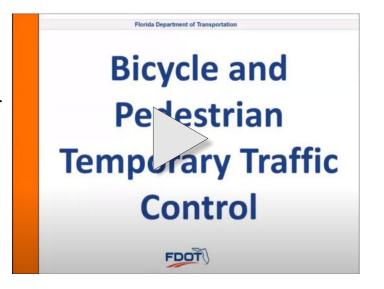


Training Video

This is a training that was produced by FDOT for Bicycle and pedestrian Temporary Traffic Control.

Click the link below or image to access this training.

https://www.youtube.com/watch?v=JSIb42s7agQ&t=4s



FDOT TTC Basic Flagger Training

Flaggers are your first line of defense from traffic in a workzone. FDOT requires all individuals that are operating as flaggers must be trained. FDOT does allow companies to train their own flaggers as long as the instructor is certified in either the TTC Intermediate or TTC Advanced Training.

Below are links to resources you can use to train your employees. Be sure to keep training records for all employees trained. These records should include that date of training, the instructor and their certificate level, and record that the employee demonstrated their ability to use, paddles, flags and as well as the proper signaling.

Power Point Training For Instructor



https://drive.google.com/file/d/
1DWC_bVVCWuCq7rnjmxq5noLcxB8x4RCd/
view?us
p=sharing

Presentation With Notes for Employees



https://drive.google.com/file/d/ 1JUoifWM4eYm0E5Bxmnmp9oFL1C1bzaaV/ view?us p=sharing

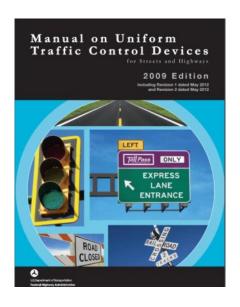
Video Presentation



https://www.youtube.com/watch?v=wMCJkMsLVYE&t=8s

Manual on Uniform Traffic Control Devices (MUTCD) (May 2012 Revision)

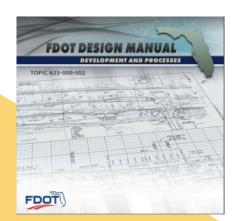
https://www.motadmin.com/media/1968/mutcd2009r1r2edition-may-2012-rev.pdf



The Manual on Uniform Traffic Control Devices (MUTCD) is incorporated by reference in 23 Code of Federal Regulations (CFR), Part 655, Subpart F and shall be recognized as the national standard for all traffic control devices installed on any street, highway, bikeway, or private road open to public travel (see definition in Section 1A.13) in accordance with 23 U.S.C. 109(d) and 402(a). The policies and procedures of the Federal Highway Administration (FHWA) to obtain basic uniformity of traffic control devices shall be as described in 23 CFR 655, Subpart F.

FDOT Design Manual

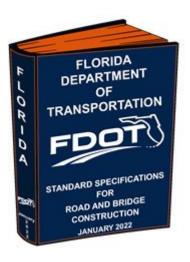
https://www.fdot.gov/roadway/fdm/default.shtm



This Florida Department of Transportation (FDOT) Design Manual (FDM) sets forth geometric and other design criteria, as well as procedures, for all new construction, reconstruction, and resurfacing projects on the State Highway System and the National Highway System. The information contained herein applies to the preparation of contract plans for roadways and structures

Standard Specifications Library

https://www.fdot.gov/programmanagement/implemented/specbooks/default.shtm



These Specifications are written to the bidder, prior to award of the Contract, and to the Contractor. Within Divisions I and II of the specifications, sentences that direct the Contractor to perform work are written in the active voice-imperative mood. These directions to the Contractor are written as commands. In the imperative mood, the subject "the bidder" or "the Contractor" is understood.

All other requirements to be performed by others, with the exception of the Method of Measurement and the Basis of Payment Articles, have been written in the active voice, but not in

the imperative mood. Sentences written in the active voice identify the party responsible for performing the action. For example, "The Engineer will determine the density of the compacted material." Certain requirements of the Contractor may also be written in the active voice, rather than active voice-imperative mood.

Division III of the Specifications (Materials) is written in the passive voice writing style.



More FDOT Documents and Publications

https://www.fdot.gov/publications/publications.shtm

This is a list of Florida Department of Transportation Maps and Publications.

Documents and Publications

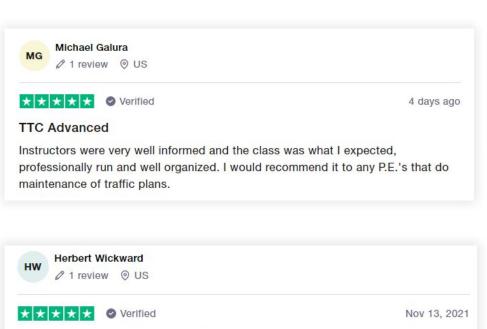
2014 Traffic Analysis Handbook—A Reference for Planning and Operations Access Management Guidebook Download Handbook N/A Planning (850) 414-4900 Adopted 5 Year Work Program Download Handbook N/A Work Program (850) 414-4627 Basis of Estimates Download Manual N/A Program Management (850) 414-4110 Best Maintenance Practices for Stormwater Runoff Download Manual N/A Support Services (850) 410-5757 Building Facilities Design Manual Download Manual N/A Support Services (850) 414-4360 CADD Customer Support Guide Download Manual N/A Production Support (850) 414-4711 CADD Manual Download Manual N/A Production Support (850) 414-4711 CADD Software Download Software N/A Production Support (850) 414-4711	
November 2019 Adopted 5 Year Work Program Download Download Manual N/A Program Management (850) 414- 4627 Basis of Estimates Download Manual N/A Program Management (850) 410- 5757 Building Facilities Design Manual Download Manual N/A Maintenance (850) 410- 5757 Building Facilities Design Manual Download Manual N/A Support Services (850) 414- 4360 CADD Customer Support Guide Download Manual N/A Production Support (850) 414- 4711 CADD Software Download Software N/A Production Support (850) 414- 4711	
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Commercially Useful Function (CUF) Download Form N/A Procedural Document (850) 414- DBE Monitoring Report Library 4067	
Construction Aggregate Manual Download Manual N/A Materials (352) 955-6600	
Construction Contract Compliance Download Handbook N/A Equal Opportunity (850) 414-Handbook 4747	
Construction Contract History <u>Download</u> Handbook N/A Program Management (850) 414-4110	
Construction Math Download Manual N/A Construction (850) 414-4492	
Construction Project Admin. Manual Download Handbook N/A Construction (850) 414-4492	

View Our Online Testimonials





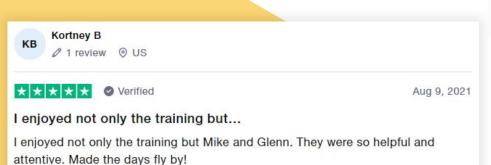




This class what is convenient highly...And efficient on her teaching methods. Highly recommended one of the best classes I have taken in my 30 years of this trade.



This was a great online visual class. I appreciate all your hard work in helping out everyone in the construction industry that has to work with the FDOT MOT. I will recommend this class to my colleagues.



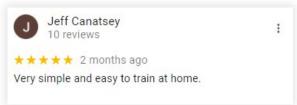




Kim Spivey









Please Contact Us With Any Questions or If You Found A Link That No longer Works

407.901.0206
support@myttconline
myttconline.com

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