DEFINITIONS

Regulatory Speed (In Work Zones)

Advisory Speed

Travel Way

Detour, Lane Shift, and Diversion

Aboveground Hazard

TEMPORARY TRAFFIC CONTROL DEVICES

PEDESTRIAN AND BICYCLIST

OVERHEAD WORK

OPTION 1 (OVERHEAD WORK USING A MODIFIED LANE CLOSURE)

OPTION 2 (OVERHEAD WORK ABOVE AN OPEN TRAFFIC LANE)

OPTION 3 (OVERHEAD WORK ADJACENT TO AN OPEN TRAFFIC LANE)

OPTION 4 (OVERHEAD WORK MAINTAINING TRAFFIC WITH NO ENCROACHMENT BELOW THE OVERHEAD WORK AREA)

OPTION 5 (CONDUCTOR/CABLE PULLING ABOVE AN OPEN TRAFFIC LANE)

RAILROADS

SIGHT DISTANCE

ABOVEGROUND HAZARD

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CLEAR ZONE WIDTHS FOR WORK ZONES

The term 'clear zone' describes the unobstructed relatively flat area, impacted by construction, extending outward from the edge of the traffic lane. The table below gives clear zone widths in work zones for medians and roadside conditions other than for roadside canals; where roadside canals are present, clear zone widths are to conform with the distances to canals as described in the FDM 215.2.

CLEAR ZONE WIDTHS FOR WORK ZONES		
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

SUPERELEVATION

Horizontal curves constructed in conjunction with work zone traffic control should have the required superelevation applied to the design radii. Under conditions where normal crown controls curvature, the minimum radii that can be applied are listed in the table below.

MINIMUM RADII FOR NORMAL CROWN	
WORK ZONE POSTED SPEED	MINIMUM RADIUS
MPH	feet
70	4090
65	3130
60	2400
55	1840
50	1390
45	1080
40	820
35	610
30	430
Superelevate When Smaller Radii is Used	

LENGTH OF LANE CLOSURES

Lane closures must not exceed the following total lengths (includes taper, buffer space and work space) in any given direction on the interstate or on state highways with a posted speed of 55 MPH or greater:

OVERWEIGHT/OVERSIZE VEHICLES

LANE WIDTHS

HIGH-VISIBILITY SAFETY APPAREL

REGULATORY SPEEDS IN WORK ZONES

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FLAGGER CONTROL

Hand-Signaling Devices

Flagger Stations

SURVEY WORK ZONES

Survey Between Active Traffic Lanes or Shared Left Turn Lanes

INTERSECTING ROAD SIGNING

ADJOINING AND/OR OVERLAPPING WORK ZONE SIGNING

SIGNS

SIGN MATERIALS

SIGN COVERING AND INTERMITTENT WORK STOPPAGE SIGNING

SIGNING FOR DETOURS, LANE SHIFTS AND DIVERSIONS

EXTENDED DISTANCE ADVANCE WARNING SIGN

UTILITY WORK AHEAD SIGN

LENGTH OF ROAD WORK SIGN

SPEEDING FINES DOUBLED WHEN WORKERS PRESENT SIGN

GROOVED PAVEMENT AHEAD SIGN

END ROAD WORK SIGN

PROJECT INFORMATION SIGN

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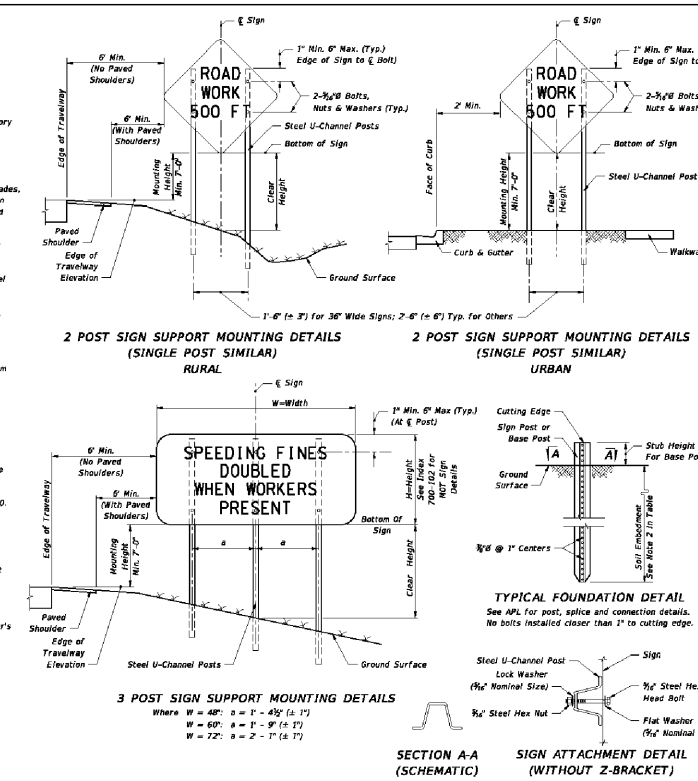
TEMPORARY SIGN SUPPORT NOTES:



POST AND FOUNDATION TABLE FOR WORK ZONE SIGNS		
SIGN SHAPE	SIGN SIZE (inches)	NUMBER OF STEEL U CHANNEL POSTS
Octagon	30x30	1
Triangle	36x36x36	1
	48x48x48	1
	60x60x60	2
Rectangle (W x H)	24x18	1
	24x30	1
	30x24	1
	36x18	1
	36x24	1
	48x18	1
	48x24	1
	36x48	2
	48x30	2
	48x36	2
	54x36	2
	48x60	3
	60x54	3
	72x48	3
	120x60*	4*
Square	30x30	1
	36x36	2
	48x48	2
Diamond (See Note 7)	48x48	2
Circle	36Ø	2

Notes For Table:

1. Use 3 lb/ft posts for Clear Height up to 10' and 4 lb/ft posts for Clear Height up to 12'.

* Use 4 lb/ft U-channel sign post with a mounting height of 7' min. and 8' max. Attach sign panel using Z-bracket detail on Sheet 6.

2. Minimum foundation depth is 4.0' for 3 lb/ft posts and 4.5' for 4 lb/ft posts.

3. For both 3 lb/ft and 4 lb/ft base or sign posts installed in rock, a minimum cumulative depth of 2' of rock layer is required.

WORK ZONE SIGN SUPPORTS

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4 FDOT - TRAFFIC CONTROL 2,3,4, & 5 OF 12 NTS

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JAMES D. NEFF LICENSE No. 60886 STATE OF FLORIDA PROFESSIONAL ENGINEER 11/21/18

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JAMES D. NEFF, PE ON THE DATE ADJACENT TO THE SEAL.

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STATE OF FLORIDA
AUTHORIZATION NUMBER
8370

PLANS PREPARED BY INGENIUM ENTERPRISES FORMERLY GRIMAIL CRAWFORD

PANDA EXPRESS/CFT PLAZA
3868 GULF BREEZE PARKWAY
GULF BREEZE, FLORIDA

PLANS FOR:

PANDA EXPRESS CHINESE KITCHEN

CLIENT:
CFT NV DEVELOPMENTS, LLC
1120 N. TOWN CENTER DR., SUITE 150
LAS VEGAS, NV 89144
PHONE: (626) 799-8989

REVISION HISTORY	
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PROJ #	170056
DWG NAME	170056 C03.DWG
ISSUE DATE	11/21/2018
PROJ MGR	BF

HARDSCAPE DETAILS VI

C03.7
SHEET NUMBER

ISSUE FOR BID