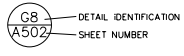
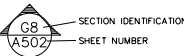


ABBREVIATIONS

A.F.F. ABOVE FINISHED FLOOR
A.H.U. AIR HANDLING UNIT
ALUM ALUMINUM
APPROX. APPROXIMATE
BD. BOARD
BLDG. BUILDING
BLK. BLOCK
BLKG. BLOCKING
BLT. BUILT
BRK. BRICK
BRKR. BREAKER
BSMT. BASEMENT
C.J. CONTROL JOINT
C.G. CEILING
CLR. CLEAR
CMU. CONCRETE MASONRY UNIT
C.O. CLEAN OUT
CONC. CONCRETE
CU. FT. CUBIC FOOT
CU. IN. CUBIC INCH
CU. YD. CUBIC YARD
DIA. /ø DIAMETER
DBL. DOUBLE
DBT. DRY-BULB TEMPERATURE
DEG. DEGREE
DEPT. DEPARTMENT
DF. DRINKING FOUNTAIN
DISC. DISCONNECT
DL. DEAD LOAD
DN. DOWN
D.S. DOWN SPOT
DWG. DRAWING
E.F. EXHAUST FAN
EXH. EXHAUST
EXP. JT. EXPANSION JOINT
EXT. EXTERIOR
FIN. FINISH
FL. FLOOR
FLUOR. FLUORESCENT
FP. FIREPLACE
FR. FIRE RATING
FT. FOOT/FEET
FTG. FOOTING
GALV. GALVANIZED
GFI. GROUND FAULT
GINT. CIRCUIT INTERRUPT
GYP. GYPSUM
H.C. HOT DIPPED GALVANIZED
H.D.C. HOT DIPPED GALVANIZED
HDR. HEADER
HWR. HARDWARE
H.P. HORSEPOWER
HT. HEIGHT
HTR. HEATER
HV. HIGH VOLTAGE
HVAC. HEATING, VENTILATING
AND AIR CONDITIONING
HWY. HIGHWAY
ID. INSIDE DIAMETER
IN. INCH
INCAND. INCANDESCENT
INCL. INCLUDED
INSUL. INSULATION
INT. INT. INTERIOR
INT. EL. INVERT ELEVATION
JST. JOIST
KD. KILN DRIED
KW. KILOWATT
KWH. KILOWATT HOUR
LAM. LAMINATED
LAV. LAVATORY
LB. POUND
LTC. LIGHTING
LGTH. LENGTH
LN. LINEAR
LL. LIVE LOAD
MANUF. MANUFACTURE
MAX. MAXIMUM
MF. MILL FINISH
MIN. MINIMUM
MLDG. MOLDING
MHW. MEAN HIGH WATER
MHHW. MEAN HIGHER HIGH WATER
MLW. MEAN LOW WATER
MLLW. MEAN LOWER LOW WATER
MSL. MEAN SEA LEVEL
MOD. MODIFICATION
NTS. NOT TO SCALE
NO. /# NUMBER
OA. OVERALL
O.C. ON CENTER
O.D. OUTSIDE DIAMETER
OFC. OFFICE
O/H. OVER HEAD
OPP. OPPOSITE
PARTN. PARTITION
PC. PORTLAND CEMENT
PCF. POUNDS PER CUBIC FOOT
P.E. PROFESSIONAL ENGINEER
PERF. PERFORATE
PERP. PERPENDICULAR
PL. PLATE
PLG. PLUNG
PLY. PLYWOOD
PN. PANEL
PNFAB. PREFABRICATED
PRELIM. PRELIMINARY
PSF. POUNDS PER SQUARE FOOT
PSI. POUNDS PER SQUARE INCH
P.T. PRESSURE TREATED
QS. QUARTER SAWN
R. RADIUS
RCPRT. RECEPTACLE
REBAR. REINFORCING BAR
REFRIG. REFRIGERATION
REINF. REINFORCING
RFC. ROOFING
ROH. ROUGH
RM. ROOM
R.O. ROUGH OPENING
RS. ROUGH SAWN
S.C. SOLID CORE
SCH. SCHEDULE
SDG. SIDING
SECT. SECTION
SFTWD. SOFTWOOD
SLDNG. SLIDING GLASS DOOR
SH. SHINGLES
SPEC. SPECIFICATION
SPR. SPRUCE
SQ. FT. SQUARE FOOT
SQ. IN. SQUARE INCH
SQ. YD. SQUARE YARD
SS. STAINLESS STEEL
ST. STEEL
SUB. FL. SUBFLOOR
SUP. SUPPLY
SW. SWITCH
SYMM. SYMMETRICAL
S.Y.P. SOUTHERN YELLOW PINE
SYS. SYSTEM
S4S. SURFACED FOUR SIDES
TEL. TELEPHONE
T&G. TONGUE-AND-GROOVE
TYP. TYPICAL
U.E. UNDERGROUND ELECTRIC
U.G. UNDER GROUND
UL. UNDERWRITERS
LABORATORIES, INC.
V. VOLT
VENT. VENTILATOR
VERT. VERTICAL
VF. VERIFY IN FIELD
VOL. VOLUME
VTR. VENT THRU ROOF
W. WATER
WBT. WET BULB TEMPERATURE
WC. WATER CLOSET
WD. WOOD
WPF. WATERPROOF
WWF. WELDED WIRE FABRIC
YD. YARD

REFERENCE LEGEND



WITHLACOOCHEE
STATE TRAIL

DISTRICT 4
PASCO COUNTY, HERNANDO COUNTY
& CITRUS COUNTY

REPAVE TRAIL
SEGMENT 2

61480C

APPLICABLE CODES AND DESIGN DATA

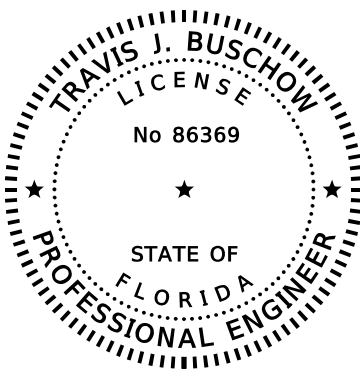
CODE LIST	
FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONST.	FY2023-24
FDOT DESIGN STANDARDS	FY2023-24

SCOPE OF PROJECT

PAVEMENT RESTORATION

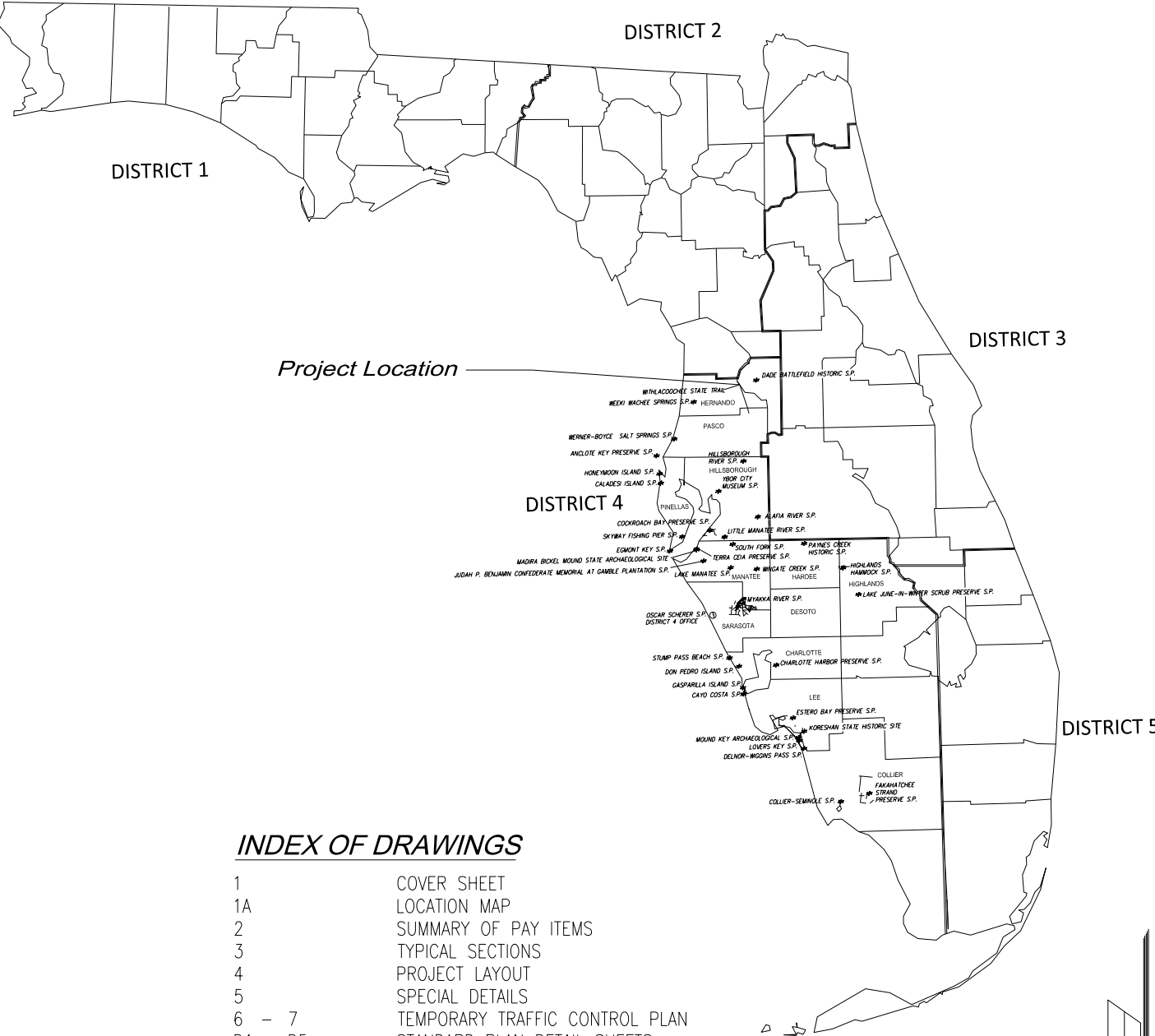
INDEX OF DRAWINGS

1	COVER SHEET
1A	LOCATION MAP
2	SUMMARY OF PAY ITEMS
3	TYPICAL SECTIONS
4	PROJECT LAYOUT
5	SPECIAL DETAILS
6 - 7	TEMPORARY TRAFFIC CONTROL PLAN
D1 - D5	STANDARD PLAN DETAIL SHEETS



TRAVIS BUSCHOW, P.E.
DESIGNER

CN202
CONSULTANT CONTRACT No.
08/16/23
INITIAL ISSUE DATE



THIS ITEM HAS BEEN DIGITALLY
SIGNED AND SEALED BY

ON THE DATE ADJACENT TO THE SEAL

PRINTED COPIES OF THIS DOCUMENT ARE
NOT CONSIDERED SIGNED AND SEALED
AND THE SIGNATURE MUST BE VERIFIED
ON ANY ELECTRONIC COPIES.

BEGIN PROJECT (SEGMENT 2)
E ORANGE AVE
STA. 2216+33.44
MP. 24.00

END PROJECT (SEGMENT 2)
GULF JUNCTION TRAILHEAD
STA. 3423+07.93
MP. 46.00



SHEET NO.	Withlacoochee State Trail	PROFESSIONAL REGISTRATION TRAVIS BUSCHOW, P.E. 86369	DESIGNER : TRAVIS BUSCHOW, P.E.					ISSUE DATE: 8/16/23	REVISION	DATE
			SHEET TITLE	LOCATION MAP	DRAWN BY: TIMOTHY ODOM	COMP. FILE NO.: KEYSRD02A	SYMBOL	DATE		
							A	C		
							B	D		
							Consultant : Michael Baker INTERNATIONAL Department of Environmental Protection Office of Operations Bureau of Design and Construction 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 425-2300			
PROJECT TITLE	REPAVE TRAIL SEGMENT 2									

1. THE INTENT OF THIS PROJECT IS TO RESTORE THE EXISTING PAVEMENT ON THE WITHLACOOCHEE STATE TRAIL.
2. QUANTITIES ARE BASE ON LIMITED INVESTIGATION AND REQUIRE FIELD INVESTIGATION PRIOR TO BID.
3. SOD TYPE IS TO BE BAHIA, WITHOUT MONOFILAMENT NETTING.
4. PERFORM EROSION CONTROL IN ACCORDANCE TO FDOT SPEC 104.
5. SPECIAL EVENT DAYS FOR THIS PROJECT INCLUDE:

MILLING

MILL EXISTING PAVEMENT FOR DEPTH (1 ½")

RESURFACING

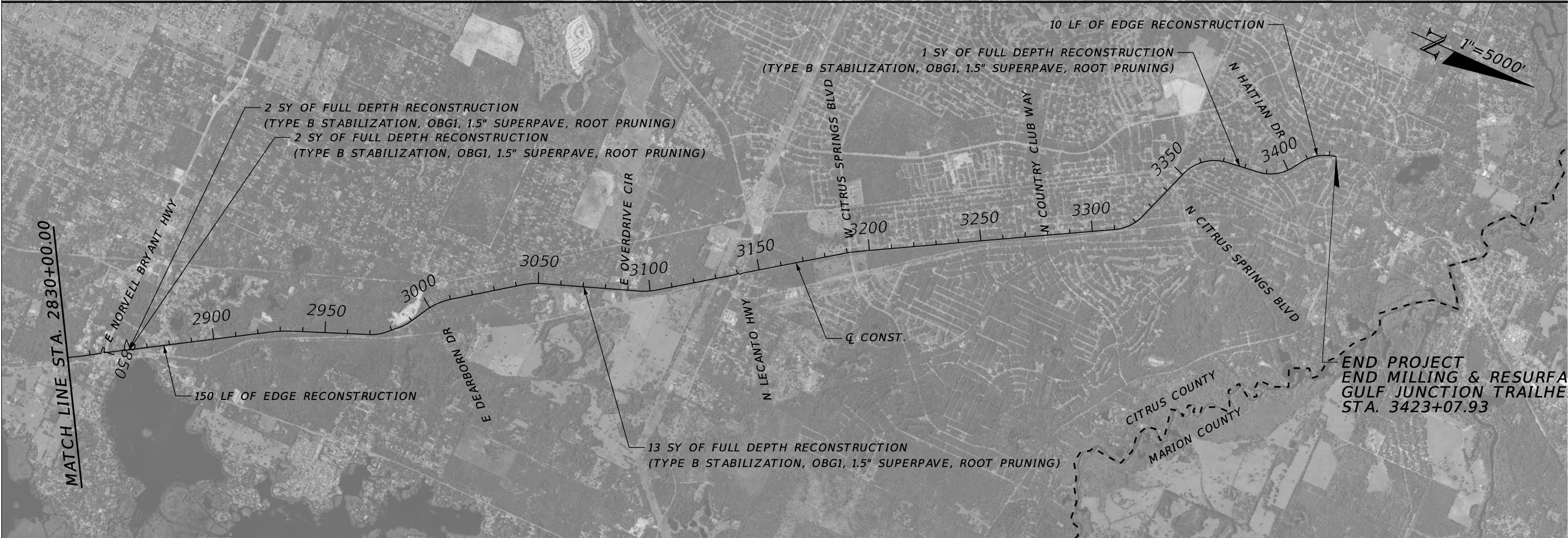
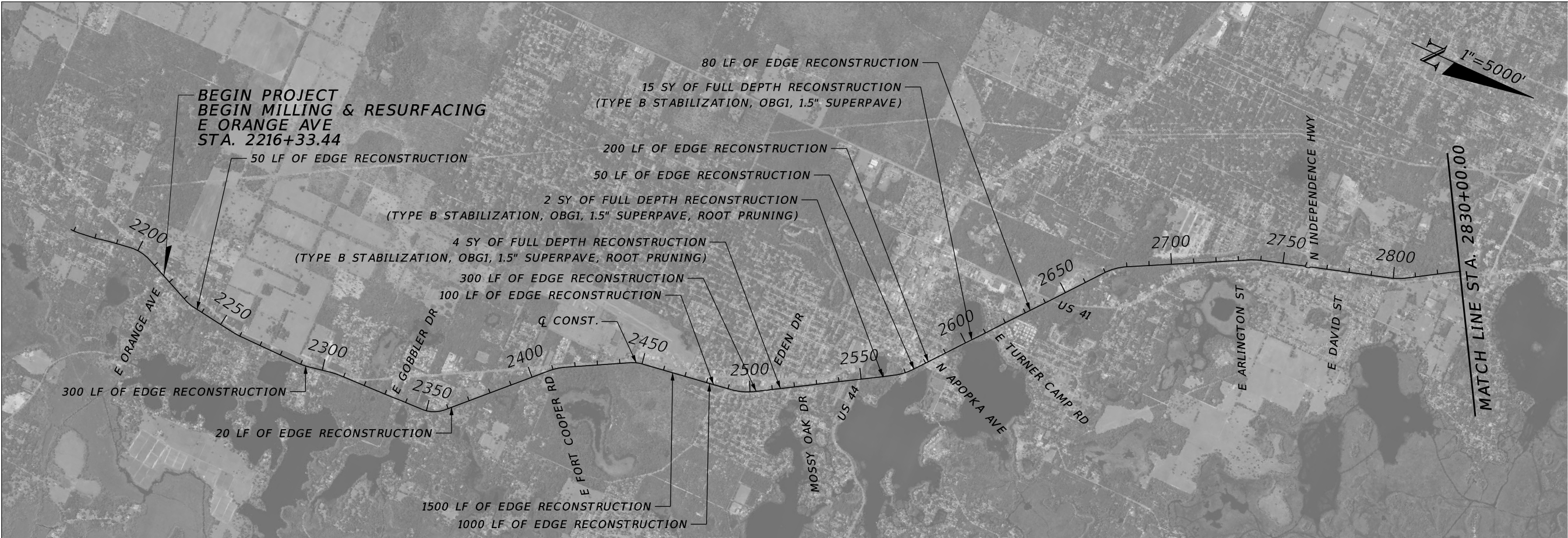
TYPE SP STRUCTURAL COURSE (TRAFFIC C) FC-12.5 (1 ½") (PG 76-22)

EDGE RECONSTRUCTION

OPTIONAL BASE GROUP 1
TYPE SP STRUCTURAL COURSE (TRAFFIC C) FC-12.5 (1 ½") (PG 76-22)



SHEET NO.	Withlacoochee State Trail		PROFESSIONAL REGISTRATION TRAVIS BUSCHOW, P.E. 63369		DESIGNER : TRAVIS BUSCHOW, P.E.	ISSUE DATE: 8/16/23	SUBMITTAL	REVISION	DATE	REVISION	DATE
	TYPICAL SECTION				DRAWN BY: TIMOTHY ODOM	COMP. FILE No.: TYP5R002	A				
PROJECT TITLE	REPAVE TRAIL SEGMENT 2				REVIEWED BY: JOEY DEFRANCISCO, P.E.	STATE PROJECT No.: 61480C	B				
			Department of Environmental Protection Office of Operations Bureau of Design and Construction 3800 Commonwealth Blvd., Tallahassee, FL 32399 (950) 425-2300								
			INTERNATIONAL								



SHEET NO.	Withlacoochee State Trail	PROFESSIONAL REGISTRATION TRAVIS BUSCHOW, P.E. 86369	PROJECT LAYOUT																			
			PROJECT TITLE																			
			REPAVE TRAIL SEGMENT 2																			
			4																			
			DESIGNER : TRAVIS BUSCHOW, P.E.										ISSUE DATE: 8/16/23				SYMBOL		REVISION		DATE	
			DRAWN BY: TIMOTHY ODOM		COMP. FILE No.: PLAYR002				SYMBOL				A		C							
			REVIEWED BY: JOEY DEFRANCISCO, P.E.		STATE PROJECT No.: 61480C				B				D									
			Consultant :										Department of Environmental Protection Office of Operations Bureau of Design and Construction 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 425-2300									
			Michael Baker INTERNATIONAL																			

1. STATE TRAIL CLOSURE IS LIMITED TO ONE AREA AT A TIME (BETWEEN SIDE STREET ACCESS) OR APPROVED BY THE ENGINEER.
2. MAINTAIN ACCESS TO SIDE STREETS AT ALL TIMES.
3. NOTIFY FDEP A MINIMUM OF 5 WORKING DAYS PRIOR TO IMPLEMENTATION OF THE MAINTENANCE OF TRAFFIC.
4. COORDINATE WITH LOCAL AGENCIES FOR MOT ALONG SIDE STREET CROSSINGS.
5. CONFIRM THAT EXISTING SIGNAGE WILL NOT POSE A CONFLICT FOR WORK ZONE TRAFFIC CONTROL. REMOVE OR COVER DURING ACTIVE WORK ZONE PHASE.
6. ANY SIGNS DAMAGED DURING CONSTRUCTION ACTIVITIES ARE REQUIRED TO BE REPLACED IMMEDIATELY IN ACCORDANCE WITH LOCAL CITY STANDARDS.
7. MAINTAIN EXISTING POSTED SPEEDS.
8. PLACE PCMS 14 DAYS PRIOR TO CONSTRUCTION.



1. INSTALL PEDESTRIAN ADVANCE WARNING DEVICES FOR PARTIAL TRAIL CLOSURE.
2. UTILIZE FDOT STD PLANS 102-601 AND PHASE I DETAIL.
3. PERFORM TRAIL PAVEMENT/EDGE REPAIR ACTIVITIES. SEE PROJECT LAYOUT SHEET FOR LOCATIONS.

1. INSTALL ADVANCE WARNING DEVICES FOR TRAIL CLOSURE.
2. UTILIZE FDOT STD PLANS 102-602 AND PHASE II DETAIL.
ACQUIRE LOCAL APPROVAL FOR SHOULDER CLOSURE.
3. PERFORM MILLING & RESURFACING/STRIPING/DETECTABLE WARNING ACTIVITIES.



DURING PHASE II
TRAIL CLOSURE

-MESSAGE 1-

-MESSAGE 2-

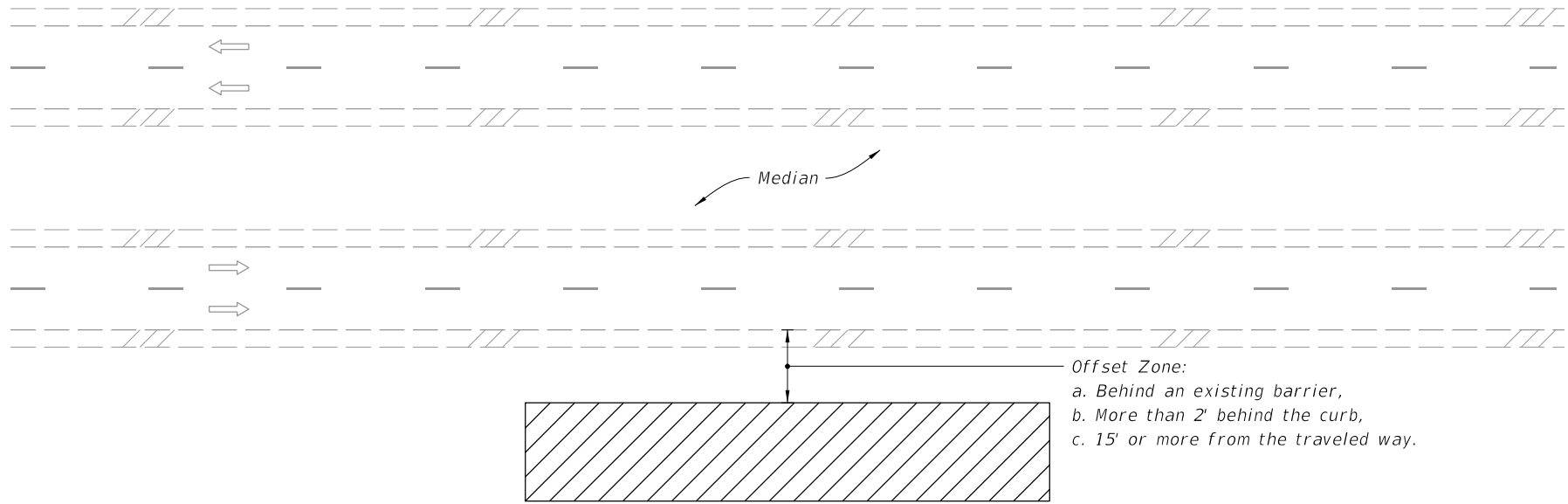
-MESSAGE 3-

DURING PHASE II
SIDE STREET SHOULDER CLOSURE

-MESSAGE 1-

-MESSAGE 2-

SHEET NO.	Withlacoochee State Trail TEMPORARY TRAFFIC CONTROL PLAN	PROFESSIONAL REGISTRATION TRAVIS BUSCHOW, P.E. 86369	DESIGNER : TRAVIS BUSCHOW, P.E.	ISSUE DATE: 8/16/23						
			DRAWN BY: TIMOTHY ODOM	COMP. FILE No.: TCTYRD02						
			REVIEWED BY: JOEY DEFRANCISCO, P.E.	STATE PROJECT No.: 61480C						
	PROJECT TITLE REPAVE TRAIL SEGMENT 2	Consultant : Michael Baker <i>Department of Environmental Protection</i> <i>Office of Operations</i> <i>Bureau of Design and Construction</i> 3800 Commonwealth Blvd., Tallahassee, FL 32399 (850) 425-2300								



MULTILANE ROADWAY SHOWN, TWO-LANE ROADWAY SIMILAR

NOTES:

- 1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work beyond the shoulder.
- 2. Use Index 102-602 when the work operation (excluding establishing and terminating the work area) requires that two or more work vehicles cross the Offset Zone in any one hour period.
- 3. Use Index 102-660 when Work Area encroaches a Sidewalk.

SYMBOLS:

-  Work Area
-  Lane Identification and Direction of Traffic

D1

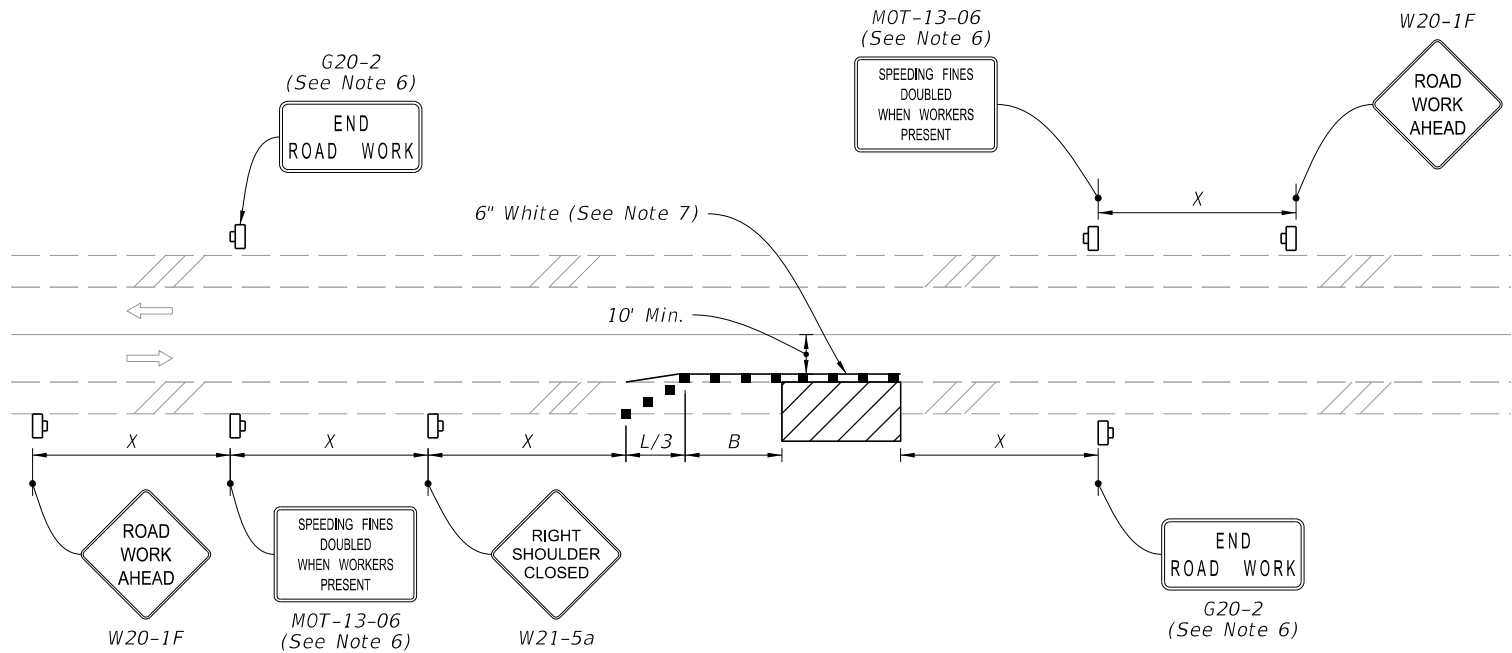
LAST REVISION 11/01/20	REVISION	DESCRIPTION:	 FY 2023-24 STANDARD PLANS	TWO-LANE AND MULTILANE ROADWAY, WORK BEYOND THE SHOULDER	INDEX 102-601	SHEET 1 of 1
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NOTE:

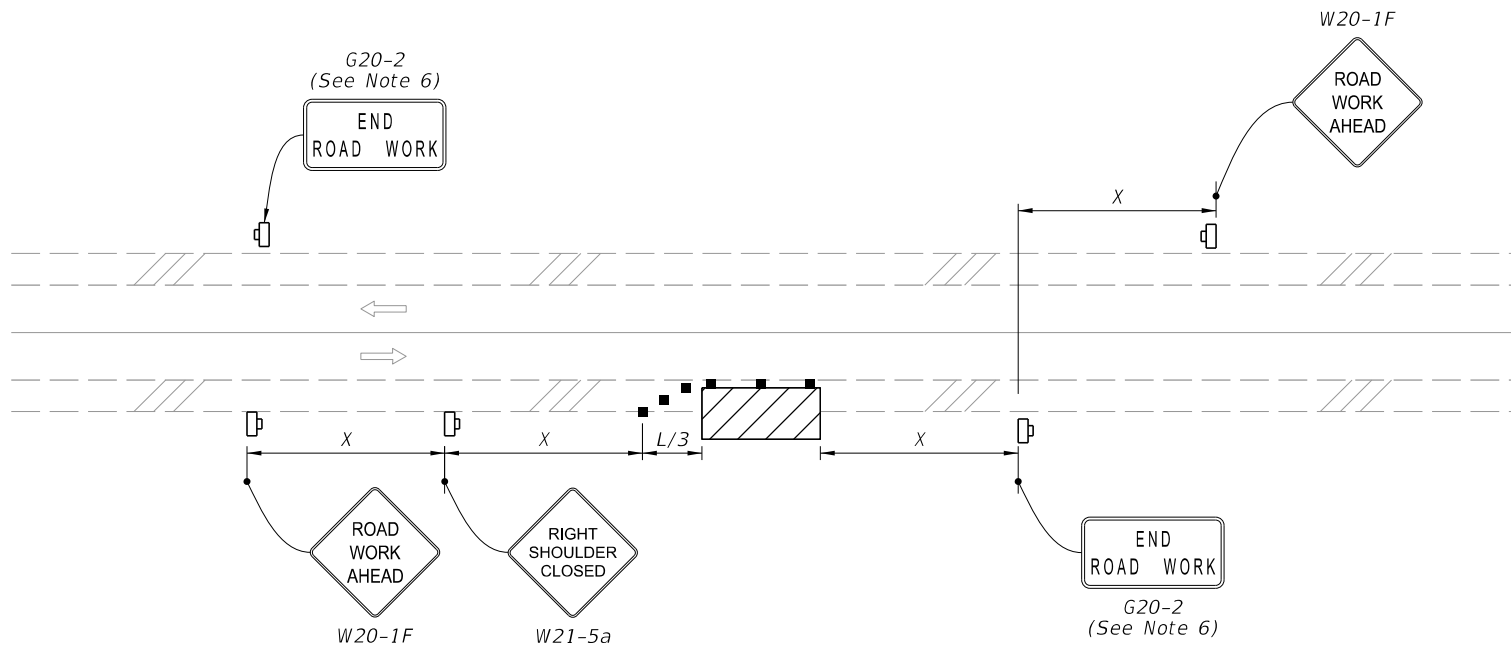
1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.
2. L = Taper Length
 X = Work Zone Sign Spacing
 B = Buffer Length
See Index 102-600 for "L", "X", "B", and channelizing device spacing values.
3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.
4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.
5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.
6. The "Speeding Fines Doubled When Workers Present" signs (M0T-13-06) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.
8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).

SYMBOLS:

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



TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

D2



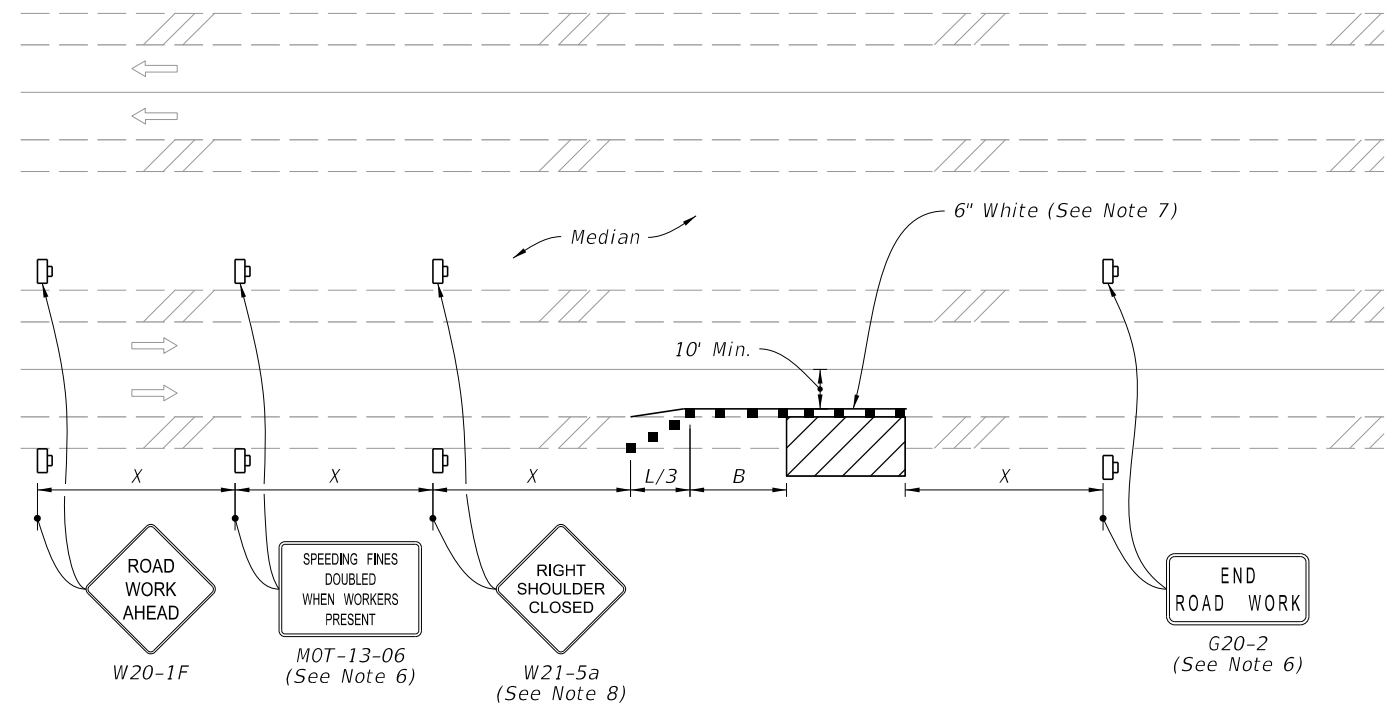
FY 2023-24
STANDARD PLANS

TWO-LANE AND MULTILANE, WORK ON SHOULDER

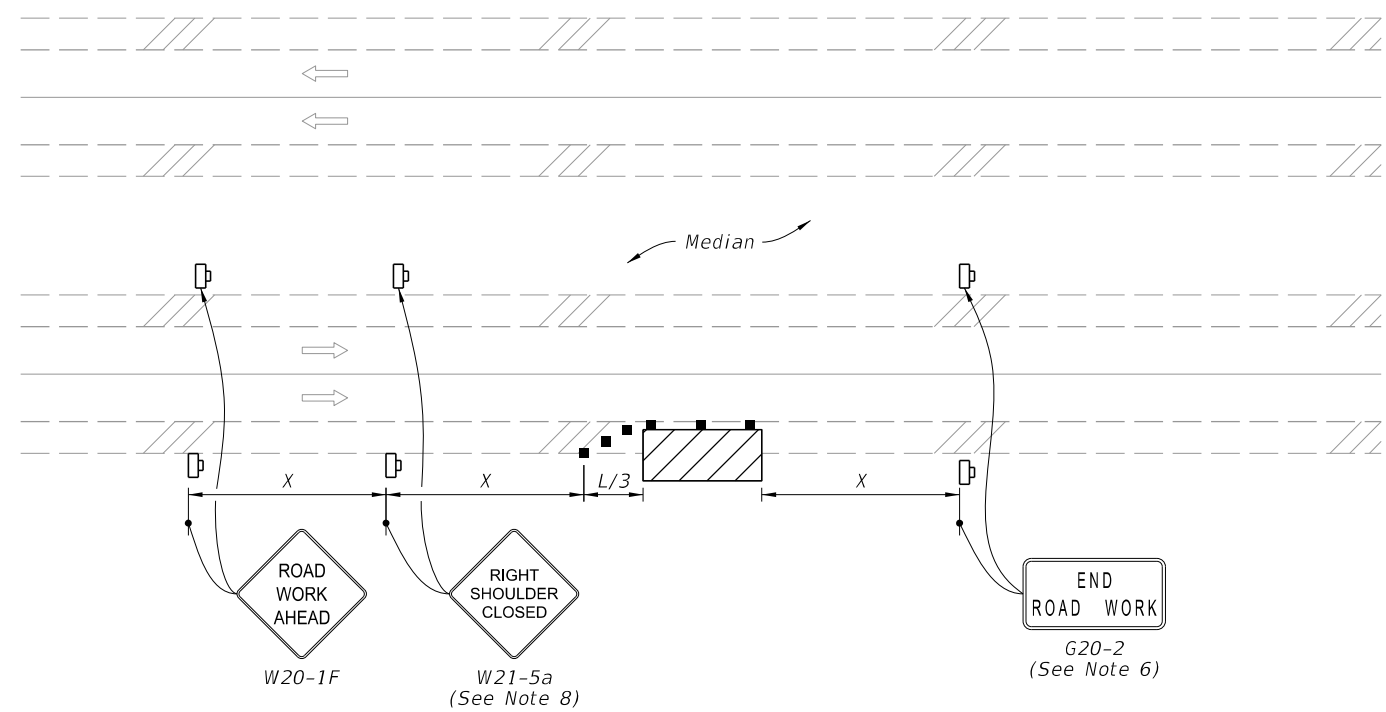
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102-602

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1 of 2

10/20/2022 8:45:34 AM



MULTILANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS



MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

SYMBOLS:

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

LAST
REVISION
11/01/20

REVISION

DESCRIPTION:



FY 2023-24
STANDARD PLANS

TWO-LANE AND MULTILANE, WORK ON SHOULDER

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102-602

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D3

10/20/2022 8:52:25 AM

GENERAL NOTES:

1. Cross Slopes and Grades:

- A. Sidewalk, ramp, and landing slopes (i.e. 0.02, 0.05, and 1:12) shown in this Index are maximums. With approval of the Engineer, provide the minimum feasible slope where the requirements cannot be met.
- B. Landings must have cross-slopes less than or equal to 0.02 in any direction.
- C. Maintain a single longitudinal slope along each side of the curb ramp. Ramp slopes are not required to exceed 15 feet in length.
- D. Joints permitted at the location of Slope Breaks. Otherwise locate joints in accordance with Index 522-001. No joints are permitted within the ramp portion of the Curb Ramp.

2. Curb, Curb and Gutter and/or Sidewalk:

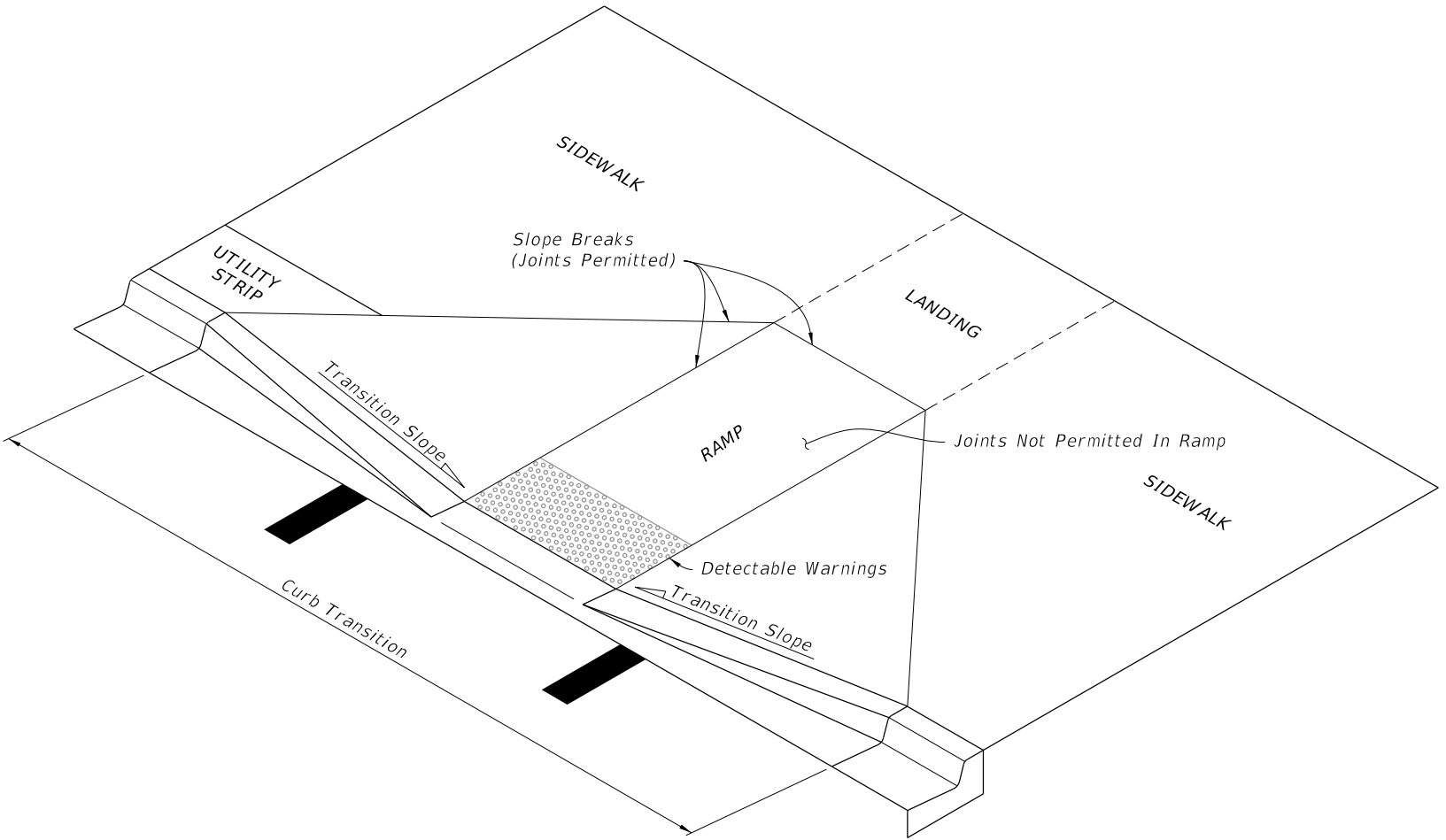
- A. Refer to Index 522-001 for concrete thickness and sidewalk details.
- B. Remove any existing curb, curb and gutter, or sidewalk to the nearest joint beyond the curb transition or to the extent that no remaining section is less than 5 feet long.
- C. Width of Curb Ramp is 4'-0" minimum. Match sidewalk or Shared Use Path width as shown in the Plans.

3. Curb Ramp Alpha-Identification:

- A. Sidewalk curb ramp alpha-identifications (e.g. CR-A) are provided for reference purposes in the Plans.
- B. Alpha-identifications CR-I and CR-J are intentionally omitted.

4. Detectable Warnings:

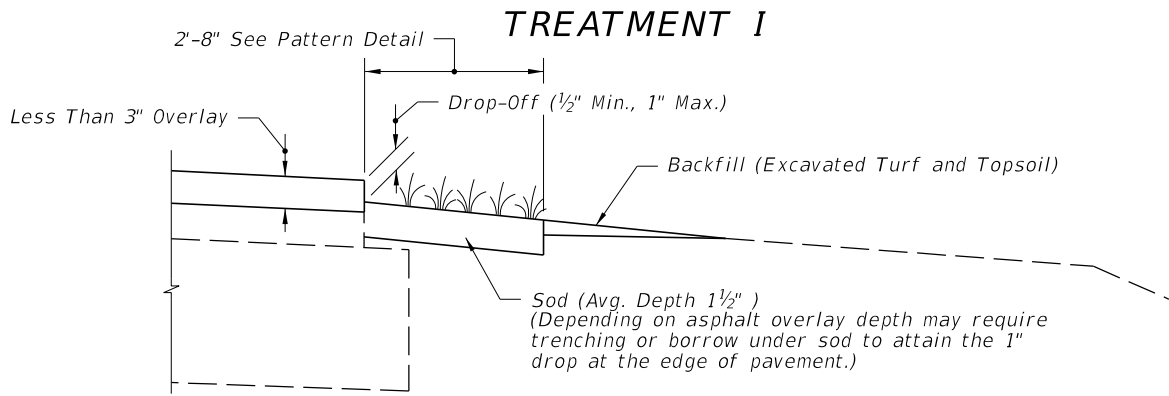
- A. Install detectable warnings in accordance with Specification 527.
- B. Place detectable warnings across the full width of the ramp or landing, to a minimum depth of 2 feet measured perpendicular to the curb line and no greater than 5 feet from the back of the curb or edge of pavement.
- C. If detectable warnings are shown in the Plans on slopes greater than 5%, align the truncated domes with the centerline of the ramp; otherwise, the truncated domes are not required to be aligned.



CURB RAMP NOMENCLATURE

D4

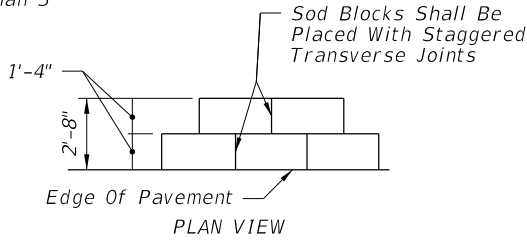
LAST REVISION 11/01/21	REVISION	DESCRIPTION:	 FY 2023-24 STANDARD PLANS	DETECTABLE WARNINGS AND SIDEWALK CURB RAMPS	INDEX 522-002	SHEET 1 of 7
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COMPLETED SHOULDER

CRITERIA FOR USING TREATMENT I

- Project ____
- is resurfacing, widening and resurfacing or construction of shoulder pavement
 - is rural or is urban without curb and gutter
 - resurfacing build-up is less than 3"



PATTERN DETAIL

GENERAL NOTES

1. Treatment I:

If trenching under sod is necessary to achieve the required Drop-Off, excavated topsoil is to be used for filling voids and low areas at the edge of pavement or for flushing along the edge of sod. Excess material to be uniformly distributed over the shoulder.

2. Treatment II:

- A. Borrow must meet the requirements for a "Select" material in accordance with Index 120-001 and Specification 120.
- B. Borrow may be used in lieu of excavated turf and topsoil when economically feasible. There will be no additional payment for substituting borrow for excavated turf and topsoil.

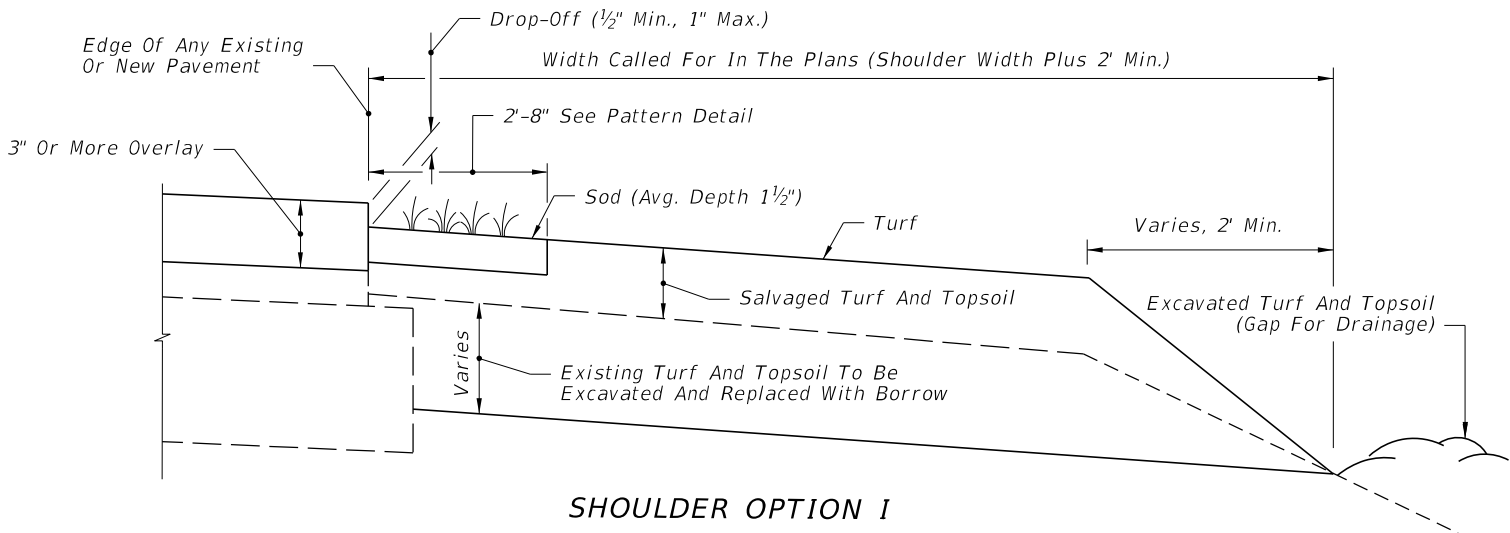
3. Special attention is to be directed at achieving the required Drop-Off at the edge of pavement, within the dimension range shown.

4. Activities such as clearing, grading, and excavating that will disturb one or more acres of land require coverage under the Generic Permit for Stormwater Discharge from Large and Small Construction Activities from the Florida Department of Environmental Protection, and implementation of appropriate pollution prevention measures to minimize erosion and sedimentation and properly manage stormwater.

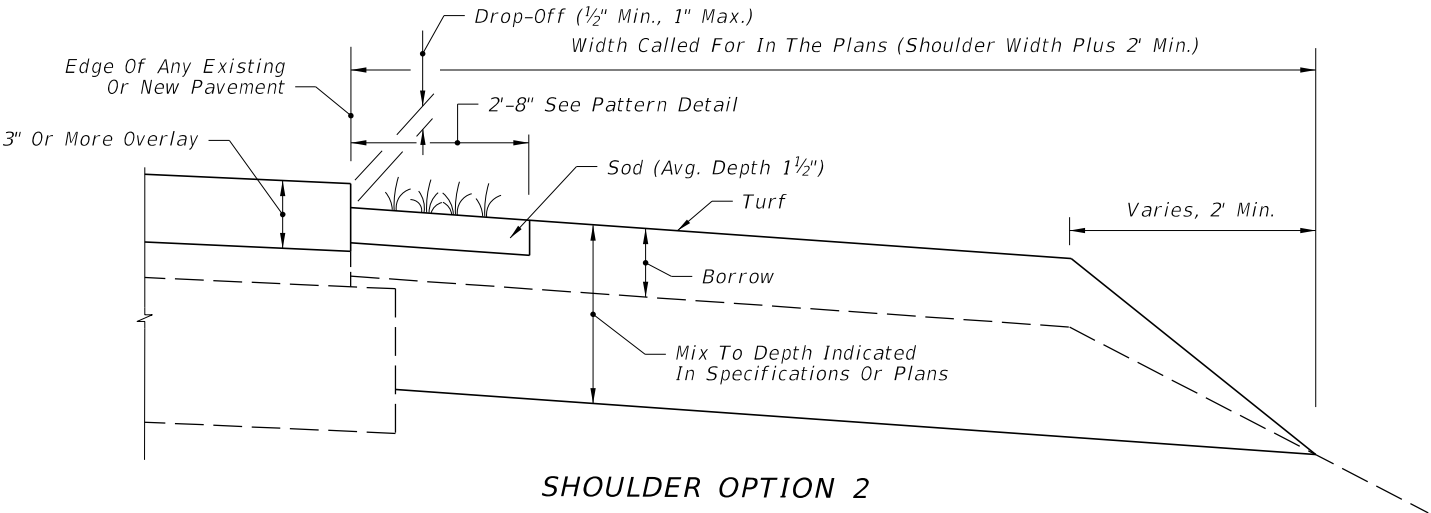
5. Turf Establishment:

- A. Wildflowers destroyed by shoulder sodding and turf operations are to be reestablished under the seeding rates prescribed for permanent wildflower #2 Group shown by table on Index 570-001.
- B. Establish turf in accordance with Specification 570.

TREATMENT II



SHOULDER OPTION 1



SHOULDER OPTION 2

CRITERIA FOR USING TREATMENT II

- Project ____
- is resurfacing or construction of shoulder pavement
 - is rural or is urban without curb and gutter
 - resurfacing build-up is 3" or more

A SIMILAR TREATMENT MAY BE USED FOR PROJECTS THAT REQUIRE SHOULDER WIDENING. DETAILS ARE TO BE SHOWN IN THE PLANS.

D5



FY 2023-24
STANDARD PLANS

SHOULDER SODDING AND
TURF ON EXISTING FACILITIES

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570-010

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LAST
REVISION
11/01/18

REVISION

DESCRIPTION: