BCEDP NO.

LYONS EXCHANGE CENTER

CAULFIELD & WHEELER, INC.
CIVIL ENGINEERING - LAND PLANNING
LANDSCAPE ARCHITECTURE - SURVEYING
7900 GLADES ROAD - SUITE 100
BOCA RATON, FLORIDA 33434
PHONE (561)-392-1991 / FAX (561)-750-1452

REV PER CITY 05/13/19 BAH

DROP LANE LENGTH TABLE

SPEED (MPH)	MIN. DISTANCE	PREFERRED DISTANCE
30-35 MPH	400'	600'
40-45 MPH	600'	800'

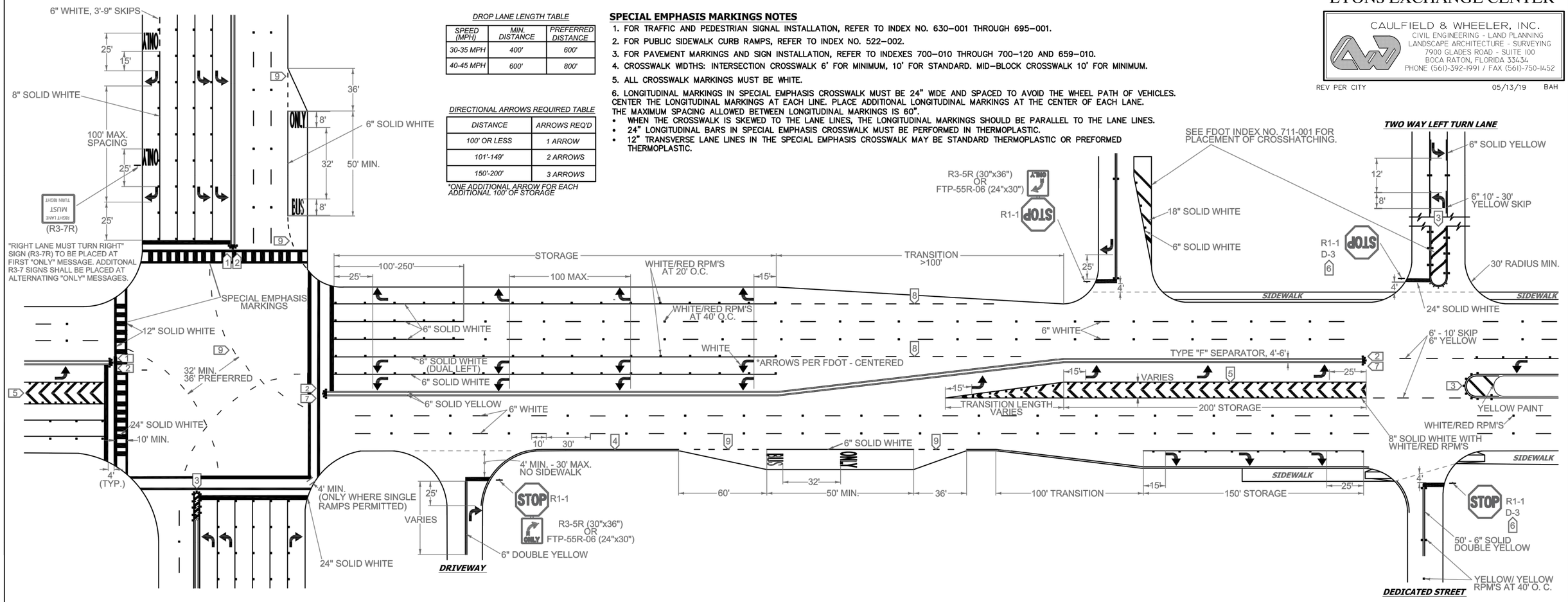
DIRECTIONAL ARROWS REQUIRED TABLE

DISTANCE	ARROWS REQ'D
100' OR LESS	1 ARROW
101'-149'	2 ARROWS
150'-200'	3 ARROWS

*ONE ADDITIONAL ARROW FOR EACH ADDITIONAL 100' OF STORAGE

SPECIAL EMPHASIS MARKINGS NOTES

1. FOR TRAFFIC AND PEDESTRIAN SIGNAL INSTALLATION, REFER TO INDEX NO. 630–001 THROUGH 695–001.
2. FOR PUBLIC SIDEWALK CURB RAMPS, REFER TO INDEX NO. 522–002.
3. FOR PAVEMENT MARKINGS AND SIGN INSTALLATION, REFER TO INDEXES 700–010 THROUGH 700–120 AND 659–010.
4. CROSSWALK WIDTHS: INTERSECTION CROSSWALK 6' FOR MINIMUM, 10' FOR STANDARD. MID–BLOCK CROSSWALK 10' FOR MINIMUM.
5. ALL CROSSWALK MARKINGS MUST BE WHITE.
6. LONGITUDINAL MARKINGS IN SPECIAL EMPHASIS CROSSWALK MUST BE 24" WIDE AND SPACED TO AVOID THE WHEEL PATH OF VEHICLES. CENTER THE LONGITUDINAL MARKINGS AT EACH LINE. PLACE ADDITIONAL LONGITUDINAL MARKINGS AT THE CENTER OF EACH LANE. THE MAXIMUM SPACING ALLOWED BETWEEN LONGITUDINAL MARKINGS IS 60".
   - WHEN THE CROSSWALK IS SKEWED TO THE LANE LINES, THE LONGITUDINAL MARKINGS SHOULD BE PARALLEL TO THE LANE LINES.
   - 24" LONGITUDINAL BARS IN SPECIAL EMPHASIS CROSSWALK MUST BE PERFORMED IN THERMOPLASTIC.
   - 12" TRANSVERSE LANE LINES IN THE SPECIAL EMPHASIS CROSSWALK MAY BE STANDARD THERMOPLASTIC OR PREFORMED THERMOPLASTIC.

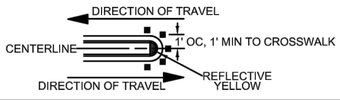


NOTES

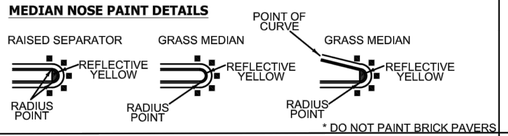
1. ALL PAVEMENT MARKINGS SHALL BE ALKYD BASED THERMOPLASTIC AND FULLY RETROREFLECTORIZED.
2. ALL PAVEMENT MARKINGS ON PAVER SYSTEMS SHALL BE 3M 380/381 SERIES TAPE OR EQUIVALENT AND APPLIED WITH P60 ADHESIVE AS PER MANUFACTURERS SPECIFICATIONS.
3. ALL PAVEMENT MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", BCTED STANDARDS, AND FDOT DESIGN STANDARDS.
4. SEE FDOT INDEX NO 706–001 FOR PLACEMENT OF RPM's (FOR BULLNOSE RPM TREATMENT, SEE LEGEND NO. 1)
5. RPM's SHALL BE CLASS "B" OR EQUIVALENT, APPLIED WITH EPOXY OR BITUMINOUS ADHESIVE.
6. FDOT APPROVED SEALER SHALL BE USED WHEN APPLYING MARKINGS ON CONCRETE.
7. FOR BIKE LANE DETAILS SEE FDOT INDEX NO. 711–002.
8. MARKINGS IN AND ADJACENT TO BIKE LANES SHALL BE THERMOPLASTIC WITH A MIXTURE OF 50% GLASS SPHERES AND 50% SHARP SILICA SAND APPLIED AT A RATE DETERMINED BY THE MANUFACTURER'S SPECIFICATIONS.
9. EXISTING MARKINGS SHALL BE REMOVED BY WATER BLASTING OR SAND BLASTING.
10. ALL STOP LINES TO BE 4' BEHIND CROSSWALK OR SIDEWALK.
11. PAVEMENT MARKING REFLECTIVITY SHALL BE UNIFORM ACROSS THE ENTIRE STRIPE AND SHALL HAVE A MINIMUM REFLECTIVITY READING OF 250 MILLICANDELAS FOR WHITE AND 175 MILLICANDELAS FOR YELLOW.
12. ALL PRODUCTS MUST BE ON FDOT'S APPROVED PRODUCTS LIST (APL).
13. RPMS SHALL NOT BE INSTALLED ADJACENT TO BIKE LANES.

LEGEND

1 YELLOW/YELLOW RPM DETAILS

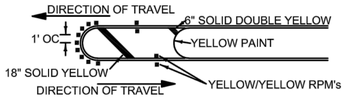


2 MEDIAN NOSE PAINT DETAILS

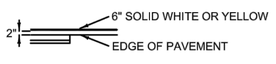


* DO NOT PAINT BRICK PAVERS

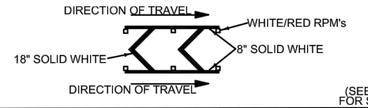
3 PAINTED MEDIAN DETAILS



4 EDGE LINE DETAILS



5 CHEVRON DETAILS - CROSSWALK AREAS AND IN FRONT OF CURB RAMPS

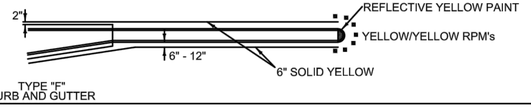


(SEE FDOT INDEX NO. 17346 FOR SPACING OF CHEVRONS)

6 STREET NAME BLADE DETAILS

SEE BCTED STOP SIGN AND STREET IDENTIFICATION ASSEMBLY TYPICAL DETAILS.

7 TYPE IV SEPARATOR DETIALS



TYPE "F" CURB AND GUTTER

8 6'-10' SKIP DETAILS

6' - 10' SKIPS 6" WHITE SHALL BE USED FOR THE FOLLOWING CONDITIONS:

- HORIZONTAL CURVE SECTIONS
- CHANGES IN HORIZONTAL ALIGNMENT
- TRANSITIONS GREATER THAN 100'

9 2'-4' SKIP DETAILS

2' - 4' SKIPS 6" WHITE SHALL BE USED FOR THE FOLLOWING CONDITIONS:

- RADIUS GUIDE LINES BETWEEN DUAL LEFTS TURN MOVEMENT (90' RADIUS PREFERRED OR AS NOTED ON PLANS)
- BUS BAY TRANSITIONS

STOP SIGN NOTE

WHERE SIDE ROADS INTERSECT A MULTI LANE STREET OR HIGHWAY THAT HAS A SPEED LIMIT OF 45 MPH OR HIGHER, THE MINIMUM SIZE OF THE STOP SIGNS FACING THE SIDE ROAD APPROACHES, EVEN IS THE SIDE ROAD ONLY HAS ONE APPROACH LANE, SHALL BE 36"X36".

WHERE SIDE ROADS INTERSECT A MULTI–LANE (INCLUDING TURN LANE) STREET OR HIGHWAY THAT HAS A SPEED LIMIT OF 40 MPH OR LOWER, THE MINIMUM SIZE OF THE STOP SIGN FACING THE SIDE ROAD APPROACHES SHALL BE 36"X36".

REVISIONS	
DATE	DESCRIPTION
01-15-2016	N/A
06-11-2018	UPDATED FDOT INDEX REFERENCE
08-23-2018	UPDATED NOTES

BROWARD COUNTY FLORIDA

PUBLIC WORKS DEPARTMENT
TRAFFIC ENGINEERING DIVISION

DESIGN BY: CARMELO CARATOZZOLO, P.E.	SCALE: NTS
DRAWN BY: STEPHON RAMOUTAR	
CHECKED BY: ANDREW SEBO, P.E., PTOE	

PAVEMENT MARKINGS AND SIGNS DETAILS

JOB # 8281

JOHN F. WHEELER
PROFESSIONAL ENGINEER
LICENSE NO. 25478
STATE OF FLORIDA
ENG NO. EB–0003591
DATE

SHEET NO.
TL–2
OF 15 SHEETS

Drawing P:\08281-00-00-00\drawings\engineering\details\8281PGD_DETAILS.dwg\JOHN-DTAILS_SHT_TL-2