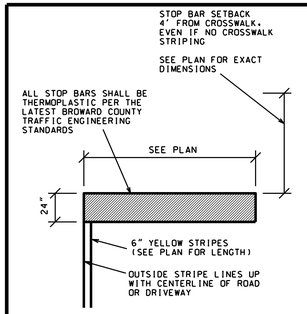
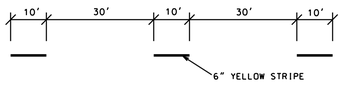


STOP BAR W/ 6" DOUBLE YELLOW DETAIL

NOT TO SCALE

NOTES:

1. SEE PLAN FOR ALTERNATE SKIP PATTERNS, COLORS, AND RPM LOCATION AND TYPE.



10' X 30' SKIP LINE DETAIL PER FDOT INDEX 711-001

NOT TO SCALE

DOUBLE SOLID LINES DETAIL PER FDOT INDEX 711-001

NOT TO SCALE

PAVING & DRAINAGE AS-BUILT DRAWING REQUIREMENTS:

1. GRADING & DRAINAGE AS-BUILT DRAWINGS AND DIGITAL FILES SHALL BE SUBMITTED TO THE CITY & BC EPD AFTER COMPLETION OF THE PROJECT. AS-BUILT DRAWINGS SHALL CONSIST OF:
   - A. FOUR (4) COMPLETED, FULL SETS OF PRINTS, SIGNED & SEALED.
   - B. DIGITALLY SIGNED PDFS OF THE AS-BUILTS.
   - C. CAD FILE OF THE AS-BUILTS.
2. AS-BUILT INFORMATION SHALL INCLUDE:
   - A. RIMS, INVERTS, PIPE LENGTH, & MATERIAL FOR ALL DRAINAGE STRUCTURES.
   - B. ELEVATION OF TOP OF ROCK AT ALL CRITICAL POINTS AND A MINIMUM OF EVERY 50' OC.

INSPECTIONS:

THE CONTRACTOR SHALL NOTIFY THE CITY OF POMPANO BEACH AT LEAST 48 HOURS PRIOR TO THE BEGINNING OF CONSTRUCTION AND PRIOR TO THE INSPECTION OF THE FOLLOWING ITEMS:

1. CLEARING & FILLING.
2. STORM DRAINAGE LAMPING.
3. SUBGRADE (DENSITY TESTS SHALL BE APPROVED PRIOR TO THE PLACEMENT OF LIMEROCK).
4. LIMEROCK BASE (DENSITY TESTS AND AS-BUILTS MUST BE SUBMITTED WITH A CERTIFIED LETTER FROM THE ENGINEER OF RECORD INDICATING THEY CONFORM WITH THE APPROVED PLAN PRIOR TO THE PLACEMENT OF ASPHALT.
5. ASPHALTIC CONCRETE.
6. FINAL.
7. THE CONTRACTOR SHALL NOTIFY THE CITY AND/OR COUNTY, AND THE ENGINEER OF RECORD AT LEAST 48 HOURS PRIOR TO BEGINNING OF CONSTRUCTION AND IN ADVANCE OF REQUIRED INSPECTIONS. TESTING & INSPECTIONS WILL BE REQUIRED FOR THE FOLLOWING TASKS:
   - A. STORM DRAINAGE
   - B. WATER DISTRIBUTION SYSTEM
   - C. SANITARY SEWER SYSTEM
   - D. ROAD SUBGRADE
   - E. FINISHED LIMEROCK BASE
   - F. ASPHALTIC CONCRETE
   - G. PIPE BACKFILL
8. ALL TESTING WILL BE WITNESSED BY THE CITY OF POMPANO BEACH. THE ENGINEER OF RECORD WILL PROVIDE CONSTRUCTION OBSERVATION SERVICES AND COPY REPORTS TO THE CITY ENGINEER ON A BI-WEEKLY BASIS. FINAL SITE GRADING WORK SHALL BE INSPECTED BY THE ENGINEER OF RECORD. EMERGENCY SITUATIONS AND CHANGE OF PLANS SHALL BE REPORTED AT THE TIME OF EACH OCCURENCE.

GENERAL PAVING, GRADING, & DRAINAGE NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST FLORIDA D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION WITH THE STANDARD SPECIFICATIONS OF THE CITY/COUNTY HAVING JURISDICTION AND WITH BROWARD COUNTY ENGINEERING DIVISION "MINIMUM STANDARDS".
2. ALL APPLICABLE CITY/COUNTY PERMITS MUST BE OBTAINED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
3. ALL WORK SHALL BE DONE IN A GOOD WORKMANLIKE MANNER. MATERIAL INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
4. SHOP DRAWINGS OF ALL MATERIALS BEING USED SHALL BE SUBMITTED TO THE ENGINEER OF RECORD AND THE CITY AND/OR COUNTY FOR APPROVAL PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. CONTRACTOR SHALL NOTIFY THE CITY AND/OR COUNTY AND THE ENGINEER OF RECORD A MINIMUM OF 48 HOURS PRIOR TO COMMENCING WORK IN THE RIGHT OF WAY.
6. CONTRACTOR TO BE TOTALLY RESPONSIBLE FOR MAINTENANCE OF TRAFFIC AND SAFETY OF MOTORISTS AND PEDESTRIANS USING THIS SITE, ADJACENT STREET, ROADWAYS AND WATERWAYS DURING CONSTRUCTION. MAINTENANCE AND SAFETY PROCEDURES SHALL CONFORM TO M.U.T.C.D. CONTRACTOR TO PROVIDE M.O.T. PLAN TO CITY PRIOR TO PRECONSTRUCTION MEETING.
7. SEE PLAN SHEET FOR VERTICAL DATUM INFORMATION.
8. THE EXISTING ELEVATIONS SHOWN ARE FOR THE PURPOSE OF INDICATING THE APPROXIMATE GROUND ELEVATION AT THE LOCATION SHOWN AND IN NO WAY REFLECT SURFACE CONDITIONS OR SUBSURFACE SOIL CONDITIONS.
9. THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THE APPROVED PLANS ARE TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE CITY ENGINEER AND THE ENGINEER OF RECORD, AT NO TIME IS THE CONTRACTOR TO TAMPER WITH EXISTING UTILITIES, EXCEPT AS NOTED ON THE PLANS.
10. THE CONTRACTOR SHALL BE RESPONSIBLE, AT ALL TIMES THROUGHOUT THE DURATION OF CONSTRUCTION, FOR THE PROTECTION OF EXISTING AND NEWLY INSTALLED UTILITIES FROM DAMAGE OR DISRUPTION OF SERVICE.
11. ALL MUCK, YIELDING, & DELETERIOUS MATERIAL WITHIN ROAD RIGHT OF WAYS, PAVED AREAS, SIDEWALK, BUILDING PADS, DRAINAGE AND UTILITY TRENCHES SHALL BE REMOVED COMPLETELY AND REPLACED WITH CLEAN FILL MATERIAL IN 8" LAYERS COMPACTED TO 100% MAXIMUM DENSITY AS DETERMINED BY A.A.S.H.T.O. T-99C.
12. BACKFILL AND BEDDING MATERIAL SHALL BE NON-COHESIVE AND NON-PLASTIC, FREE OF DEBRIS, LUMPS, CLODS, WOOD, BROKEN PAVEMENT OR ANY ORGANIC OR UNSTABLE MATERIAL. NO ROCKS LARGER THAN 6" SHALL BE PERMITTED AS BACKFILL OR BEDDING.
13. RECORD DRAWINGS, CERTIFIED BY A PROFESSIONAL SURVEYOR REGISTERED IN THE STATE OF FLORIDA, SHALL BE SUBMITTED TO THE ENGINEER OF RECORD, CITY ENGINEER, AND COUNTY ENGINEER PRIOR TO FINAL ACCEPTANCE OF THE SYSTEM.
14. CONTRACTOR SHALL CONTACT SUNSHINE ONE CALL (1-800-432-4770) & ALL OTHER UTILITY COMPANIES PRIOR TO CONSTRUCTION. SUNSHINE REGISTRATION NUMBER MUST BE SHOWN ON DRAWINGS PRIOR TO START OF CONSTRUCTION IN RIGHT-OF-WAY AND PRIOR TO PERMIT ISSUANCE BY CITY. CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL EXISTING UTILITIES & SHALL REPAIR DAMAGED UTILITIES AT HIS EXPENSE.
15. TURBIDITY BARRIERS MUST BE INSTALLED AT ALL OUTFALL LOCATIONS PRIOR TO PIPE CONNECTION TO RECEIVING WATERS. TURBIDITY BARRIERS MUST REMAIN IN PLACE UNTIL CONSTRUCTION IS COMPLETED, SOILS ARE STABILIZED AND VEGETATION HAS BEEN ESTABLISHED.
16. A PRE-CONSTRUCTION MEETING WILL BE REQUIRED WITH THE CITY OF PLANTATION, PAID, THE RECORD ENGINEER, THE CONTRACTOR, & OTHER AGENCIES WITH JURISDICTION IN ATTENDANCE.

PAVING, GRADING, & DRAINAGE NOTES

1. ASPHALT PAVEMENT SHALL CONFORM TO APPLICABLE PARTS OF SECTION 300-339, AS DESCRIBED IN FLORIDA D.O.T. STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION. ASPHALT SHALL BE TYPE S-3, UNLESS OTHERWISE NOTED.
2. LIMEROCK BASE CONSTRUCTION SHALL CONFORM TO APPLICABLE PARTS OF SECTION 200-230, AS DESCRIBED IN THE FLORIDA D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. BASE COURSE SHALL BE COMPACTED TO A DENSITY NOT LESS THAN 98% OF THE MAXIMUM DENSITY AS DETERMINED BY A.A.S.H.T.O. T-180. AND HAVE A MINIMUM L.B.R. OF 100. PRIME COAT APPLICATION RATE AT 0.10 GAL/S.Y.
3. COMPACTED SUBGRADE CONSTRUCTION SHALL CONFORM TO APPLICABLE PARTS OF SECTION 120, AS DESCRIBED IN FLORIDA D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. COMPACTED SUBGRADE SHALL BE COMPACTED TO 100% MAXIMUM DENSITY AS DETERMINED BY A.A.S.H.T.O. T-99C.
4. PROCTOR TESTS FOR SUBGRADE AND BASE MATERIALS SHALL BE SUPPLIED BY THE DEVELOPER PRIOR TO SCHEDULED DENSITY TESTS. DENSITY TESTS SHALL BE TAKEN A MINIMUM OF ONE PER 500 SQUARE YARDS. THE DEVELOPER SHALL PAY FOR ALL TESTING IF THE REQUIRED DENSITY IS ACHIEVED. THE CONTRACTOR SHALL BE LIABLE FOR ALL RETESTS FOR ANY FAILURES. TEST LOCATIONS SHALL BE DETERMINED BY THE CITY OF POMPANO BEACH ENGINEERING DEPARTMENT AND/OR THE "ENGINEER OF RECORD." BASE/ASPHALT CONSTRUCTION SHALL NOT COMMENCE UNTIL SATISFACTORY DENSITY TESTS HAVE BEEN REVIEWED BY THE CITY ENGINEER AND THE "ENGINEER OF RECORD."
5. ALL UNDERGROUND UTILITIES SITUATED IN PAVED AREAS, INCLUDING BUT NOT LIMITED TO, SEWER AND WATER MAINS, GAS MAINS, ELECTRICAL DISTRIBUTION, TELEPHONE, ETC., SHALL BE COMPLETED AND APPROVED BEFORE ANY SUBGRADE WORK COMMENCES.
6. CONCRETE FOR CURBS, GUTTERS, DRAINAGE INLETS, SIDEWALKS, ETC.. SHALL BE CLASS 1, IN ACCORDANCE WITH FLORIDA D.O.T. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 345. FOR CURB & GUTTER & VALLEY GUTTER PROVIDE 1/8"-1/4" CONTRACTION JOINTS AT 10' CENTERS. CONCRETE SHALL BE 3,000 PSI.
7. PAVEMENT MARKINGS AND SIGNAGE SHALL CONFORM TO THE FLORIDA D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AND WITH THE CITY OF POMPANO BEACH, AND SHALL BE REFLECTORIZED THERMOPLASTIC.
8. RADII REFER TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
9. REFER TO CALCULATION SHEETS FOR SITE GEOMETRY.
10. MATERIALS AND WORKMANSHIP IN CITY/COUNTY RIGHT-OF-WAYS SHALL MEET THE REQUIREMENTS OF THE CITY & BROWARD COUNTY MINIMUM STANDARDS.
11. NO ASPHALT SHALL BE PLACED IN CITY/COUNTY RIGHT-OF-WAYS UNTIL CERTIFIED AS-BUILTS OF THE FINISHED ROCK BASE HAVE BEEN SUBMITTED TO AND APPROVED BY THE RECORD ENGINEER & THE CITY OR COUNTY HAVING JURISDICTION.
12. LIMEROCK SHALL BE MIAMI LIMEROCK HAVING A MINIMUM 70% OF CARBONATES IN CITY RIGHT OF WAYS, & 70% OF CARBONATES IN COUNTY RIGHT OF WAYS. LIQUID LIMIT LESS THAN 35, PLASTICITY INDEX LESS THAN 6 AND LBR 100.
13. ALL DRAINAGE PIPE SHALL BE REINFORCED CONCRETE PIPE UNLESS OTHERWISE NOTED.
14. ALL TRENCHING, PIPE LAYING, BACKFILL, LAMPING, ETC. MUST BE IN CONFORMANCE WITH THE CITY OF PLANTATION & BROWARD COUNTY MINIMUM STANDARDS. ADDITIONALLY, ALL PIPE MUST BE BACKFILLED IN NO GREATER THAN 12" LIFTS AND EACH LIFT TAMPED & DENSITY TESTED, UNLESS OTHERWISE APPROVED BY THE RECORD ENGINEER AND THE AGENCY HAVING JURISDICTION.
15. AS-BUILT PIPE INVERTS AND ROADWAY GRADING WILL BE STRICTLY ENFORCED.
16. PRECAST CONCRETE MANHOLES/INLETS SHALL CONFORM TO THE REQUIREMENTS OF ASTM C-478-70, LATEST REVISIONS. ALL PRE-CAST MANHOLES/INLETS SHALL BEAR THE STAMP OF A CERTIFIED ENGINEERING TESTING LABORATORY, SIGNED AND DATED, CERTIFYING THAT THEY MEET THE REQUIREMENTS OF ASTM C-478 FOR CONCRETE STRENGTH, STEEL REINFORCEMENT AREA AND PLACEMENT, AND APPEARANCE WHEN MANUFACTURED. MANHOLES/INLETS MUST BE INSPECTED BY THE CITY OF POMPANO BEACH BEFORE UNLOADING.
17. CONCRETE FOR PRECAST MANHOLES/INLETS OR CAST IN PLACE MANHOLES/INLETS SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 4000 P.S.I. AT 28 DAYS.
18. MINIMUM WALL AND BASE THICKNESS FOR PRECAST MANHOLES SHALL BE 8 INCHES.
19. REINFORCING STEEL FOR MANHOLES/INLETS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-615 AND A-305. LATEST REVISION. SPLICES SHALL HAVE A MINIMUM LAP OF 24 BAR DIAMETERS. MINIMUM COVER OVER REINFORCING STEEL SHALL BE 3 INCHES.
20. ALL OPENINGS IN PRECAST MANHOLES/INLETS SHALL BE CAST AT TIME OF MANUFACTURE.
21. PRECAST MANHOLE/INLET SHOP DRAWINGS SHALL BE SUBMITTED TO THE RECORD ENGINEER & THE CITY OF POMPANO BEACH FOR APPROVAL PRIOR TO FABRICATION.
22. MANHOLE/INLET LIDS SHALL BE CAPABLE OF WITHSTANDING AASHTO H-20 LOADING.
23. IN ACCORDANCE WITH FLORIDA STATUTE 90-096 FS. KNOWN AS "THE FLORIDA TRENCH SAFETY ACT," CONTRACT BID DOCUMENTS MUST IDENTIFY ALL COSTS AND METHOD OF TRENCH EXCAVATIONS EXCEEDING (5) FIVE FEET IN DEPTH.

    THE CONTRACTOR IS RESPONSIBLE THAT ALL SHEETING AND SHORING INSTALLED COMPLY WITH OSHA EXCAVATION STANDARDS 29 C.E.R. 51926:650 SUBPART P. THE CONTRACTOR MUST EVALUATE GEOTECHNICAL DATA AND DESIGN THE TRENCH SAFETY SYSTEM ACCORDINGLY.

    THE CONTRACTOR MUST SUBMIT A LETTER, TO THE ENGINEER, ACKNOWLEDGING THAT HE HAS COMPLIED WITH THE FORGOING PRIOR TO CONSTRUCTION.
24. R1-1 AND D3 SIGNS SHALL BE HIGH INTENSITY REFLECTORIZED SHEETING.

DENSITY REQUIREMENTS FOR UTILITY AND DRAINAGE BACKFILL

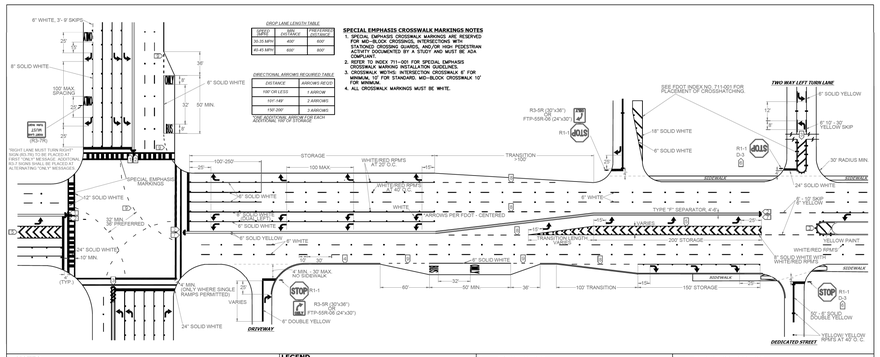
1. THE CITY OF POMPANO BEACH MUST BE NOTIFIED PRIOR TO DENSITY TEST BEING PERFORMED. THE CITY OF POMPANO BEACH WILL OBSERVE ALL REQUIRED DENSITY TESTS.
2. BACKFILL SHALL BE COMPACTED IMMEDIATELY FOLLOWING UTILITY INSTALLATION TO 98% MAXIMUM DENSITY AS AS DETERMINED BY AASHTO T-180.
3. DENSITY TESTS ON THE SANITARY & STORM SEWER SHALL BE TAKEN IN 12" LIFTS WITH A MINIMUM OF 1 TEST FOR A RUN OF LESS THAN 200' & 2 FOR RUNS IN EXCESS OF 200 FEET. TESTS SHALL ALSO BE TAKEN AT EACH STRUCTURE AT THE DISGRESSION OF THE RECORD AND/OR GEOTECHNICAL ENGINEER.
4. DENSITY TESTS ON THE WATER MAIN SHALL BE TAKEN FOR EACH 12" LIFT & AT A MAXIMUM INTERVAL OF 110'.
5. ALL DENSITY TESTS SHALL BE TAKEN BY A CERTIFIED TESTING LABORATORY. TESTS SHALL BE CONDUCTED UNDER THE DIRECTION OF THE CITY OF POMPANO BEACH, RECORD ENGINEER AND/OR GEOTECHNICAL ENGINEER.

DRAINAGE INSPECTION NOTES:

1. UPON COMPLETION OF CONSTRUCTION AND PRIOR TO MOUNTING OF THE BAFFLES (IF ANY), CONTRACTOR TO PERFORM A DRAINAGE LAMPING OF SITE.
2. LAMPING INSPECTION MUST BE SCHEDULED WITH THE CITY ENGINEERING DEPARTMENT, AND THE ENGINEER OF RECORD.

TREE PRESERVATION/CLEARING NOTES

1. PRIOR TO ANY TREE REMOVAL OR CLEARING, CONTRACTOR SHALL REFER TO APPROVED LANDSCAPE OR TREE DISPOSITION PLAN PREPARED BY OTHERS REGARDING TREE PRESERVATION, RELOCATION, ETC.
2. EXISTING TREES ON SITE NOT SHOWN ON CIVIL ENGINEERING PLANS PREPARED BY A. J. HYDRO ENGINEERING, INC.
3. CONTRACTOR SHALL APPLY FOR ANY CLEARING, TREE REMOVAL, RELOCATION, AND/OR TREE PRESERVATION PERMITS, AND ANY OTHER PERMITS AS REQUIRED BY THE CITY OF POMPANO BEACH PRIOR TO COMMENCING CONSTRUCTION.

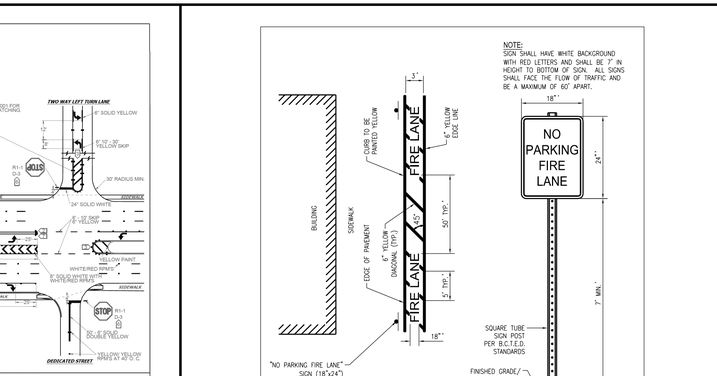


REVISIONS	
DATE	DESCRIPTION
11-24-2020	ADDED SQUARE TUBE SIGN POST
04-14-2021	UPDATED POST BASE HEIGHT
05-06-2022	UPDATED SIGN POST NOTES

BROWARD COUNTY FLORIDA — PUBLIC WORKS DEPARTMENT, TRAFFIC ENGINEERING DIVISION
DESIGN BY: CARMELO CARATOZZOLO, P.E. | SCALE: NTS
DRAWN BY: STEPHON RAMOUTAR
CHECKED BY: CARMELO CARATOZZOLO, P.E.

STOP SIGN AND STREET IDENTIFICATION ASSEMBLY TYPICAL DETAILS

SHEET NO. 1 OF 1



REVISIONS	
DATE	DESCRIPTION
03-21-2017	UPDATED POST SIZE
11-24-2020	ADDED POST SIZE NOTE
02-05-2021	UPDATED POST BASE HEIGHT

BROWARD COUNTY FLORIDA — PUBLIC WORKS DEPARTMENT, TRAFFIC ENGINEERING DIVISION
DESIGN BY: YVES STANOUI, P.E. | SCALE: NTS
DRAWN BY: STEPHON RAMOUTAR
CHECKED BY: ANDREW SEBO, P.E., PTOE

GROUND SIGN ASSEMBLY DETAILS

SHEET NO. 1 OF 1

6" WHITE, 3'-9" SKIPS
8" SOLID WHITE
100' MAX SPACING
6" SOLID WHITE
50' MIN
32'
12" SOLID WHITE
50' MIN OR PREEMPTIVE
12" SOLID WHITE
12" SOLID YELLOW
4" WHITE
4" SOLID WHITE
12" MIN.
(TYP.)
4' MIN. - 30' MAX. AT SIDEWALK
4' MIN. WHERE SINGLE RAMPS PERMITTED
VARIES
24" SOLID WHITE
DRIVEWAY
GRIP LANE LENGTH TABLE
SPECIAL EMPHASIS CROSSWALK MARKINGS NOTES
1. SPECIAL EMPHASIS CROSSWALK MARKINGS ARE RESERVED FOR MID-BLOCK CROSSINGS, INTERSECTIONS WITH STATIONED CROSSING GUARDS, AND/OR HIGH PEDESTRIAN VOLUMES AS DOCUMENTED BY A STUDY AND MUST BE ADA COMPLIANT.
2. REFER TO INDEX 711-001 FOR SPECIAL EMPHASIS CROSSWALK MARKING INSTALLATION GUIDELINES.
3. CROSSWALK MOTHIG INTERSECTION CROSSWALK 6' FOR MINOR AND FOR STANDARD; MID-BLOCK CROSSWALK 10' FOR MINIMUM.
4. ALL CROSSWALK MARKINGS MUST BE WHITE.
DIRECTIONAL ARROWS REQUIRED TABLE
SEE FDOT INDEX NO. 711-001 FOR DESIGN OF CROSSHATCHING
TWO WAY LEFT TURN LANE
4" SOLID YELLOW
6" - 30' YELLOW SKIP
18" SOLID WHITE
6" SOLID WHITE
30' RADIUS MIN.
24" SOLID WHITE
6" SOLID WHITE
18" WHITE
TYPE 'I' SEPARATION, 4"-6"
4 ARROWS PER FOOT - CENTERED
4 ARROWS
200' STORAGE
YELLOW PAINT
WHITE-RED RPMS
8" SOLID WHITE
8" SOLID WHITE W/ WHITE-RED RPMS
SIDEWALK
R3-5R (30"x36") FTP-55R-06 (24"x30")
R1-1 (30"x30")
STOP
R1-1
R3-5R (30"x36") FTP-55R-06 (24"x30")
4" DOUBLE YELLOW
DEDICATED STREET
100'-250'
100' MAX
WHITE-RED RPMS AT 20' O.C.
TRANSITION
150' STORAGE
60'
50' MIN
36'
100' TRANSITION
150' STORAGE
SIDEWALK
6" SOLID YELLOW
6" SOLID WHITE
4" SOLID WHITE
4" DOUBLE YELLOW
6" SOLID WHITE
6" SOLID WHITE
6" SOLID WHITE