

PLANS FOR PROPOSED IMPROVEMENTS TO
DOWNTOWN MOBILITY NETWORK
 ALONG 15ST FROM NE MIAMI AVE TO VENETIAN CAUSEWAY BRIDGE

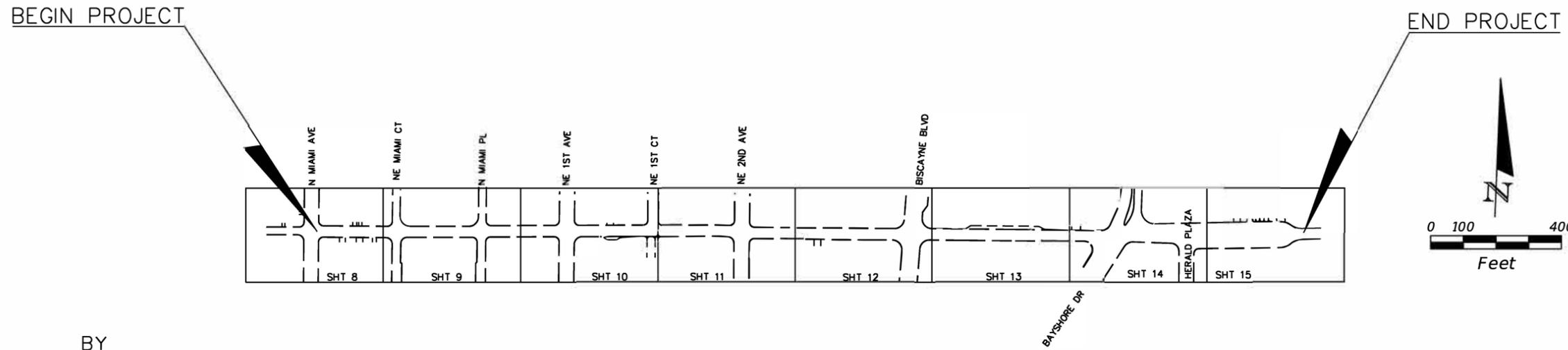
INDEX OF SHEETS

<u>SHEET No.</u>	<u>SHEETS DESCRIPTION</u>
1-	COVER SHEET
2-	SUMMARY OF QUANTITIES
3-4	TYPICAL SECTIONS AND DETAILS
5-7	GENERAL NOTES
8-15	ROADWAY/SIGNING AND PAVEMENT MARKING PLANS
16	SIGNALIZATION GENERAL NOTES
17-21	SIGNALIZATION PLANS

MIAMI DADE COUNTY PROJECT NO. 188724

NOTE:

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.



BY



MIAMI DADE COUNTY
 DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
 HIGHWAY DIVISION

STEPHEN P. CLARK CENTER
 111 NW 1 ST
 MIAMI, FLORIDA 33128

LENGTH OF JOB		
	LIN. FT	MILES
ROADWAY	3010.20	0.57
BRIDGE		
GROSS LENGTH OF JOB	3010.20	0.57
EXCEPTIONS		
NET LENGTH JOB	3010.20	0.57

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH AND ARE GOVERNED BY THE MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT STANDARDS AND SPECIFICATIONS PARTS 1, 2 AND 3. THE MANUAL OF UNIFORM MINIMUM STANDARDS FOR DESIGN, CONSTRUCTION AND MAINTENANCE FOR STREETS AND HIGHWAYS. THE FLORIDA DEPARTMENT OF TRANSPORTATION ROADWAY AND TRAFFIC DESIGN STANDARDS, AND THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, AS AMENDED BY CONTRACT DOCUMENTS.

95% DESIGN REVIEW

ENGINEER OF RECORD:

ENGINEER NAME: JOSE SUAZO
 FLORIDA REGISTRATION No. 88241

APPROVED	_____	COUNTY ENGINEER
RECOMMENDED	_____	ASSISTANT DIRECTOR
SUBMITTED	_____	HIGHWAY DIVISION
PROPOSED	CHECK	
DESIGN	DRAWN	
DATE	SHEET 1 OF 15	



SUMMARY OF QUANTITIES

PAY ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
102-1M	MAINTENANCE OF TRAFFIC	LS	1
102-10A	OFF-DUTY LAW ENFORCEMENT	LS	1
102-91-1A	PAVEMENT MARKING TEMPORARY (SOLID) (ANY WIDTH) (YELLOW OR WHITE) (PAINT)	LF	
327-70-01	MILLING EXISTING ASPHALT PAVEMENT (1" AVG. DEPH)	SY	14491
337-8-42	HOT MIX ASPHALT FRICTION COURSE (TRAFFIC C), FC-9.5 (1") PG 76-22	TON	797
425-5	ADJUST MANHOLE (THIS ITEM IS CONTINGENT UPON FIELD CONDITIONS AD MAY BE INCREASED, DECREASED OR ELIMINATED BY THE ENGINEER)	EA	68
425-6	ADJUST EXISTING VALVE BOXES (MIAMI DADE COUNTY) (THIS ITEM IS CONTINGENT UPON FIELD CONDITIONS AD MAY BE INCREASED, DECREASED OR ELIMINATED BY THE ENGINEER)	EA	
520 -1-10B	CONCRETE CURB & GUTTER, TYPE F	LF	97
522 -1	CONCRETE SIDEWALK, 4" THICK	SY	20.06
523-1-3	PATTERNED PAVEMENT, VEHICULAR AREAS-GREEN BIKE LANE	SY	1474.21
527-2	CURB RAMP DETECTABLE WARNINGS SURFACE	SF	33.4
700-1-11B	SIGN SINGLE POST (LESS THAN 12 SQ FT.)	EA	22
706-3	MARKER PAVEMENT RETRO-REFLECTIVE BI-DIRECTIONAL RPM'S Y/Y	EA	114
	MD/Y RPMs ON TOP OF CURB	EA	13
710-30	REFLECTIVE PAINT (ISLAND NOSE) (YELLOW)	SF	12.77
711-11-160	THERMOPLASTIC (WHITE) (MESSAGE)	EA	33
711-11-170	THERMOPLASTIC (WHITE) (ARROWS)	EA	33
711-11-141	THERMOPLASTIC (WHITE) (SKIP) (6")(6'-10')	GM	0.024
711-11-151	THERMOPLASTIC (WHITE) (DOTTED/GUIDELINE) (6")	GM	1.070
711-11-251	THERMOPLASTIC (YELLOW) (DOTTED/GUIDELINE) (6")	GM	0.001
711-11-121	THERMOPLASTIC (WHITE) (SOLID) (6")	GM	1.278
711-11-122	THERMOPLASTIC (WHITE) (SOLID) (8")	GM	0.115
711-11-123	THERMOPLASTIC (WHITE) (SOLID) (12")	LF	1096
711-11-124	THERMOPLASTIC (WHITE) (SOLID) (18")	LF	390
711-11-125	THERMOPLASTIC (WHITE) (SOLID) (24")	LF	1518
711-11-221	THERMOPLASTIC (YELLOW) (SOLID) (6")	GM	0.812
711-11-222	THERMOPLASTIC (YELLOW) (SOLID) (8")	GM	0.075
711-11-224	THERMOPLASTIC (YELLOW) (SOLID) (18")	LF	70.87
711-17	REMOVAL OF EXISTING THERMOLASTIC PAVEMENT MARKINGS		

PAY ITEM NOTES:

- 520-1-10B INCLUDES DROP CURB AT DRIVEWAYS AND 3 FT OF CURB ENDING AS DIRECTED BY THE ENGINEER, ALSO INCLUDES COST OF LIMEROCK
- 522-1 INCLUDE THE COST OF PEDESTRIAN RAMPS.
- 711-XX-XX COST OF ALL PROPOSED THERMOPLASTIC PAINT PAY ITEMS INCLUDES THE COST OF UP TO TWO APPLICATIONS OF REGULAR PAINT OF THE SAME COLOR AND PATTERN PRIOR TO THE APPLICATION OF THE THERMOPLASTIC PAINT.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



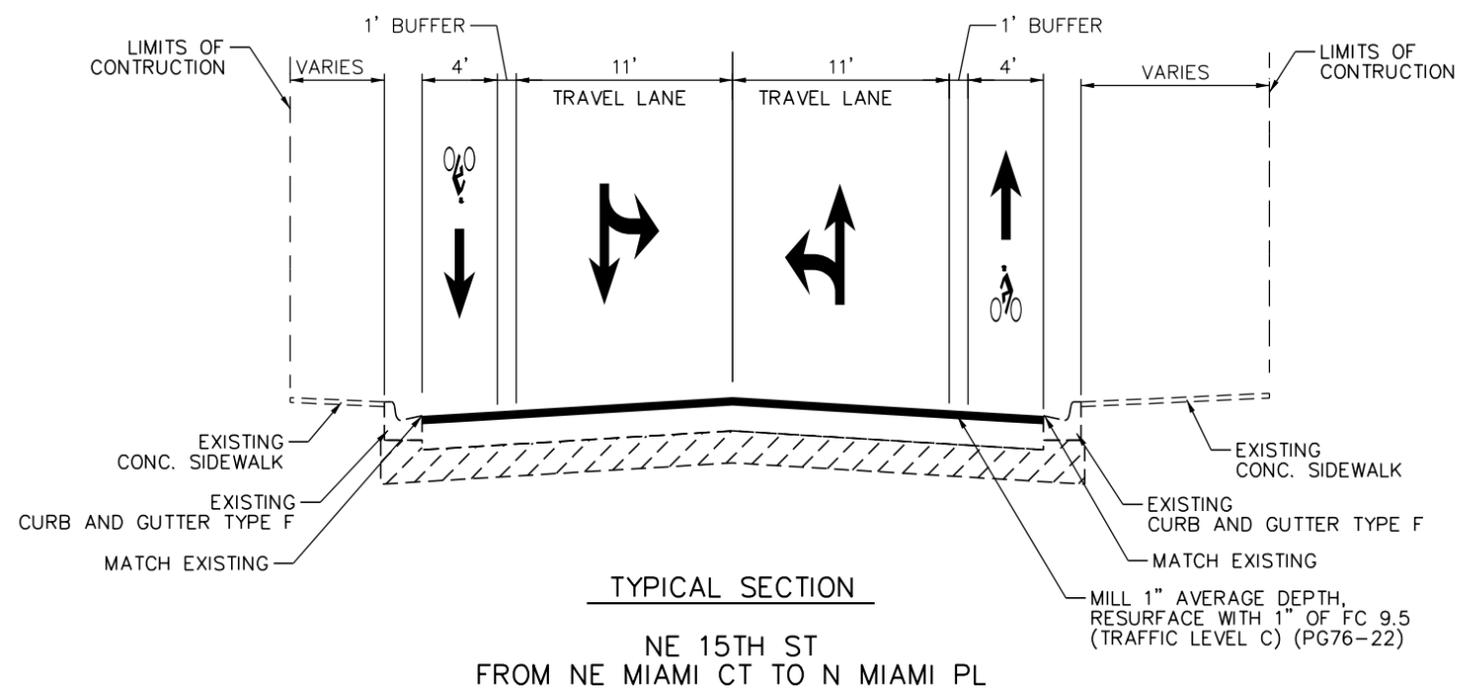
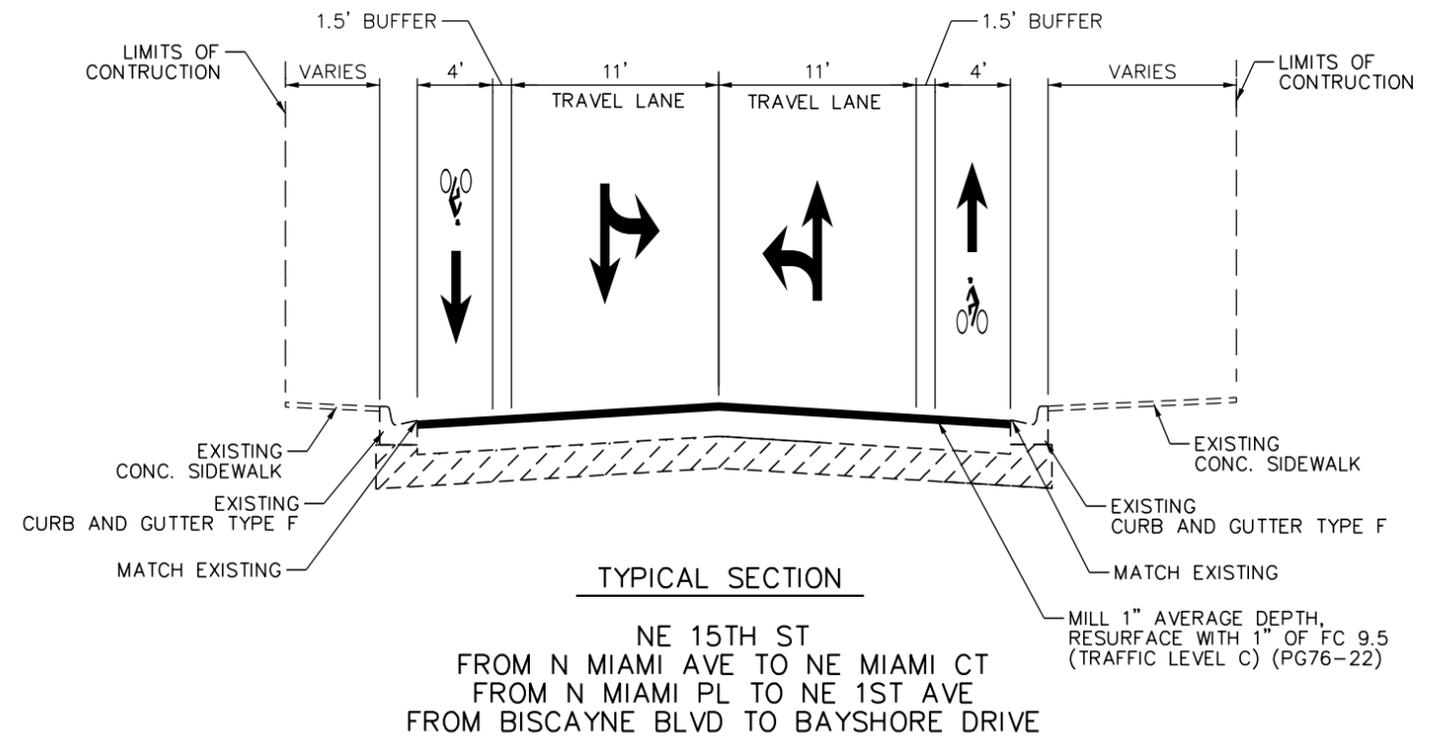
ENGINEER OF RECORD:
WSP USA INC.
7650 CORPORATE CENTER DRIVE,
SUITE 300
MIAMI, FLORIDA 33126
(305) 514-3100
JOSE M. SUAZO, P.E. NO.: 88241

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE
CHECKED BY			CHECKED BY		
SUPERVISED BY:					



DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY DIVISION
STEPHEN P. CLARK CENTER
111 NW 1 ST
MIAMI, FLORIDA 33128

NE 15TH ST
FROM NE MIAMI AVE TO VENETIAN CAUSEWAY BRIDGE
SUMMARY OF PAY ITEMS



REVISIONS

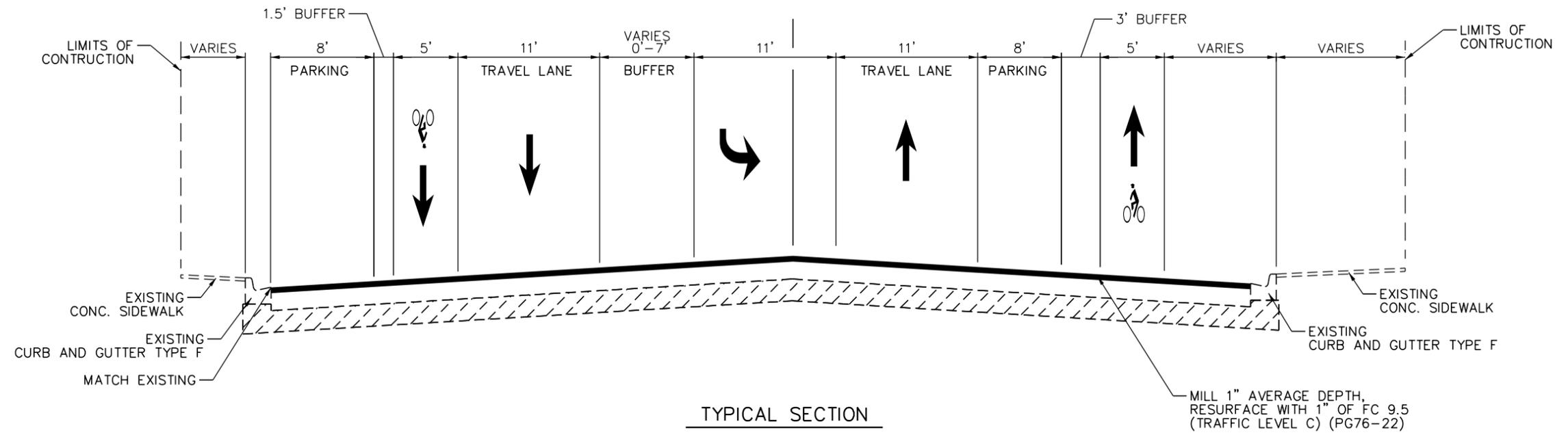
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MIAMI-DADE COUNTY
 DEPARTMENT OF TRANSPORTATION
 AND PUBLIC WORKS
 HIGHWAY DIVISION
 STEPHEN P. CLARK, CENTER
 111 NW 1 ST
 MIAMI, FLORIDA 33128

NE 15TH ST
 FROM NE MIAMI AVE TO VENETIAN CAUSEWAY BRIDGE
TYPICAL SECTIONS



TYPICAL SECTION
NE 15TH ST
FROM HERALD PLAZA TO VENETIAN CAUSEWAY BRIDGE

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



ENGINEER OF RECORD:
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DEPARTMENT OF TRANSPORTATION
AND PUBLIC WORKS
HIGHWAY DIVISION
STEPHEN P. CLARK CENTER
111 NW 1 ST
MIAMI, FLORIDA 33128

NE 15TH ST FROM NE MIAMI AVE TO VENETIAN CAUSEWAY BRIDGE
TYPICAL SECTIONS

GENERAL NOTES:

1. ANY N.G.V.D. BENCH MARK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED AND PROPERLY REFERENCED BY A REGISTERED-LAND SURVEYOR IN ACCORDANCE WITH THE MINIMUM TECHNICAL STANDARDS OF THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS PRIOR TO BEGINNING WORK AT THE SITE. IF ANY MONUMENT IS IN DANGER OF DAMAGE, THE PROJECT ENGINEER SHALL NOTIFY THE BUREAU OF SURVEYING AND MAPPING, FLORIDA DIVISION OF STATE LANDS, 3900 COMMONWEALTH BLVD., MAIL STATION 100, TALLAHASSEE, FLORIDA 32399-3000 TELEPHONE (850) 245-2118.
2. ALL PUBLIC LAND CORNERS AND MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED BY THE CONTRACTOR AS FOLLOWS: CORNERS AND MONUMENTS IN CONFLICT WITH THE WORK AND IN DANGER OF BEING DAMAGED, DESTROYED, OR COVERED SHALL BE PROPERLY REFERENCED BY A REGISTERED-LAND SURVEYOR IN ACCORDANCE WITH THE MINIMUM TECHNICAL STANDARDS OF THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS PRIOR TO BEGINNING WORK AT THE SITE. THE CONTRACTOR SHALL RETAIN THE LAND SURVEYOR TO REFERENCE, AND RESTORE UPON COMPLETION OF THE WORK, ALL SUCH CORNERS AND MONUMENTS AND SHALL FURNISH TO MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT A SIGNED AND SEALED COPY OF THE LAND SURVEYOR'S REFERENCE DRAWING.
3. ALL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT, AND ANY OTHER STATE OR LOCAL AGENCY WITH JURISDICTION. IT IS THE INTENT OF THESE PLANS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE PLANS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
4. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE EPA AND THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES).
5. THE LOCATION AND SIZE OF THE UTILITIES SHOWN IN THE PLANS ARE BASED ON THE BEST AVAILABLE INFORMATION AND SHOULD BE CONSIDERED APPROXIMATE ONLY. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL UTILITIES BY ELECTRONIC METHODS AND BY PRE-TRENCHING IN COORDINATION WITH ALL UTILITY COMPANIES, PRIOR TO BEGINNING ANY CONSTRUCTION OPERATION. ANY AND ALL CONFLICTS OF EXISTING UTILITIES WITH PROPOSED IMPROVEMENTS MUST BE RESOLVED BY THE ENGINEER AND THE OWNER. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.
6. CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE-CALL AT 1-(800)-432-4770 AT LEAST 48 HOURS PRIOR TO PERFORMING ANY DIGGING TO VERIFY THE EXACT LOCATION OF EXISTING UTILITIES. A CONTRACTOR'S REPRESENTATIVE MUST BE PRESENT WHEN UTILITY COMPANIES LOCATE THEIR FACILITIES.
7. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD AND UNDERGROUND UTILITIES.
8. MIAMI-DADE WATER AND SEWER DEPARTMENT REQUIRES THAT ACCESS TO ALL WATER AND SEWER VALVES, SANITARY MANHOLES, AND OTHER CONTROL MECHANISMS BE MAINTAINED THROUGHOUT CONSTRUCTION IN THE EVENT OF AN EMERGENCY TO ENSURE THE PUBLIC HEALTH AND SAFETY. COVERING VALVE BOXES AND MANHOLES CAN BE CONSIDERED UNAUTHORIZED OBSTRUCTION OF AND TAMPERING WITH DEPARTMENT UTILITIES. ALL REQUESTS FOR UTILITY ADJUSTMENTS MUST BE MADE IN WRITING AT LEAST TWO (2) WEEKS IN ADVANCE. FOR MANHOLE AND VALVES, CONTACT THE CONSTRUCTION MANAGEMENT SECTION, PUMP STATIONS UNIT, 3071 SW 38 AVENUE, FAX NO. 305-668-3626. THE DEPARTMENT WILL MAKE ONE FINAL AND PERMANENT ADJUSTMENT AT NO COST TO THE REQUESTING AGENCY. FOR THE ADJUSTMENT OF WATER METERS, CONTACT THE CHIEF OF METER OPERATIONS AND MAINTENANCE, FAX NO. 305-545-3482. FOR ANY FIRE HYDRANTS THAT ARE DAMAGED OR BUMPED DURING CONSTRUCTION, CONTACT THE MDWASD HYDRANT SHOP AT 305-805-4575 BEFORE POURING CONCRETE FOR THE SIDEWALK. IN THE EVENT OF A WATER OR SEWER EMERGENCY, CONTACT MIAMI DADE WATER AND SEWER DEPARTMENT AT 305-274-9272. THIS LINE IS OPEN 24 HOURS, 7 DAYS A WEEK.
9. KNOWN UTILITY COMPANIES IN THE PROJECT LIMITS INCLUDE, BUT ARE NOT LIMITED TO:
AT&T --- JOSE SUAREZ / 305-929-2184 / JS0425@ATT.COM
COMCAST --- LEONARD MAXWELL-NEWBOLD / 754-221-1254 / LEONARD_MAXWELL-NEWBOLD@CABLE.COMCAST.COM
CROWN CASTLE --- DANNY HASKETT / 786-610-7073 / DANNY.HASKETT@CROWNCastle.COM
FLORIDA POWER AND LIGHTING (FPL) DISTRIBUTION --- JOHN GIRALDO / 305-442-5172 / JOHN.GIRALDO@FPL.COM
MIAMI-DADE WATER & SEWER DEPT. --- LAZARO A. GUERRA / 786-268-5273 / LAZARO.GUERRA@MIAMIDADE.GOV
VERIZON --- JUAN HABER / 786-224-8576 / JUAN.HABER@VERIZON.COM
10. THE CONTRACTOR IS ADVISED THAT PROPERTIES ADJACENT TO THE PROJECT HAVE ELECTRIC, TELEPHONE, GAS, WATER, AND/OR SEWER SERVICE LATERALS WHICH MAY NOT BE SHOWN IN PLANS. THE CONTRACTOR MUST REQUEST THE LOCATION OF THESE LATERAL SERVICES FROM THE UTILITY COMPANIES. THE ADDITIONAL COST OF EXCAVATING, INSTALLING, BACKFILLING, AND COMPACTING AROUND THESE LATERAL SERVICES MUST BE INCLUDED IN THE BID RELATED ITEM FOR THE WORK BEING DONE.
11. ANY DAMAGE TO PUBLIC OR PRIVATE PROPERTY SHALL BE RESTORED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
12. ANY ENCROACHMENT WITHIN THE LIMITS OF CONSTRUCTION SHALL BE RELOCATED OR PROTECTED BY THE ADJACENT PROPERTY OWNER AT THEIR EXPENSE.
13. CLEARING AND GRUBBING, GRADING AND OTHER INCIDENTAL WORK NECESSARY FOR HARMONIZATION OUTSIDE R/W SHALL BE INCLUDED IN RELATED BID ITEMS.
14. ALL GRASS AREAS AFFECTED BY CONSTRUCTION SHALL BE RE-SODDED. COST TO BE INCLUDED UNDER PAY ITEM 575-1-1.
15. THE CONTRACTOR SHOULD TAKE SPECIAL NOTE OF SOIL CONDITIONS THROUGHOUT THIS PROJECT. ANY SPECIAL SHORING, SHEETING OR OTHER PROCEDURES NECESSARY TO PROTECT ADJACENT PROPERTY, PUBLIC OR PRIVATE, DURING THE EXCAVATION OF SUBSOIL MATERIAL AND EXFILTRATION TRENCH, OR FILLING OF ANY AREA, OR FOR ANY OPERATION DURING CONSTRUCTION, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
16. IF SHEETING, SHORING, OR DEWATERING, INCLUDING WELL POINTS ARE NECESSARY, THE CONTRACTOR MUST MONITOR AND CONTROL ALL WORK THAT MAY CAUSE CRACKING TO ANY ADJACENT BUILDING, STRUCTURE, OR PROPERTY AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES CAUSED BY THESE OPERATIONS. COST OF SHEETING, SHORING, OR DEWATERING SHALL BE INCLUDED IN THE RELATED BID ITEM FOR THE WORK BEING DONE.
17. THE CONTRACTOR WILL RESTRICT PERSONNEL, THE USE OF EQUIPMENT, AND THE STORAGE OF MATERIALS TO AREAS WITHIN THE LIMITS OF CONSTRUCTION AND DESIGNATED STAGING AREA.
18. EXPLORATORY OR PRE-TRENCHING IN THE ALIGNMENT AND GRADE OF PROPOSED PIPES STRUCTURES, FRENCH DRAINS, CONDUITS, POLE FOUNDATIONS AND/OR SUB-GRADE SHALL BE PERFORMED SEVEN DAYS IN ADVANCE OF ITS CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE UNDERGROUND UTILITY OWNERS AND THE DEPARTMENT WITH IMMEDIATE NOTIFICATION OF ANY CONFLICT WITH PROPOSED CONSTRUCTION. THIS NOTIFICATION SHALL PROVIDE SURVEY INFORMATION ABOUT EXISTING UTILITY ALIGNMENT, GRADE AND POSSIBLE CONFLICTS. PAYMENT FOR EXPLORATORY OR PRE-TRENCHING, SURVEY AND BACKFILLING SHALL BE INCLUDED IN THE COST OF THE RELATED BID ITEM FOR THE WORK BEING DONE.
19. ALL EXCESS MATERIAL, AS DESIGNATED BY THE ENGINEER, IS TO BE DISPOSED BY THE CONTRACTOR IN AREAS PROVIDED BY HIM WITHIN 72 HOURS OF BEING DEPOSITED IN THE CONSTRUCTION AREA AND AT THE CONTRACTOR'S EXPENSE.
20. ALL DISPOSAL OF MATERIALS, RUBBISH, AND DEBRIS SHALL BE MADE AT A LEGAL DISPOSAL SITE OR BY OTHER PRIOR APPROVED MANNER. MATERIAL CLEARED FROM THE SITE AND DEPOSITED ON ADJACENT OR NEARBY PROPERTY WILL NOT BE CONSIDERED AS HAVING BEEN DISPOSED OF SATISFACTORILY.
21. ANY KNOWN OR SUSPECTED HAZARDOUS MATERIAL FOUND ON THE PROJECT BY THE CONTRACTOR SHALL BE IMMEDIATELY REPORTED TO THE PROJECT ENGINEER, WHO SHALL DIRECT THE CONTRACTOR TO PROTECT THE AREA OF KNOWN OR SUSPECTED CONTAMINATION FROM FURTHER ACCESS. THE ENGINEER WILL ARRANGE FOR INVESTIGATION, IDENTIFICATION, AND REMEDIATION OF THE HAZARDOUS MATERIAL. THE CONTRACTOR SHALL NOT RETURN TO THE AREA OF CONTAMINATION UNTIL APPROVAL IS PROVIDED BY THE PROJECT ENGINEER.
22. EXISTING ABOVE GROUND FEATURES ARE SHOWN ACCORDING TO THE BEST AVAILABLE DATA AND MAY NOT ACCURATELY REFLECT PRESENT CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH CURRENT SITE CONDITIONS, AND SHALL REPORT DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING WORK.
23. CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING TREES, STRUCTURES AND UTILITIES, WHICH MAY NOT BE SHOWN ON PLANS. ANY STRUCTURE, PAVEMENT, TREES OR OTHER EXISTING IMPROVEMENT NOT SPECIFIED FOR REMOVAL WHICH IS TEMPORARY DAMAGED, EXPOSED OR IN ANY WAY DISTURBED BY CONSTRUCTION PERFORMED UNDER THIS CONTRACT, SHALL BE REPAIRED, PATCHED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
24. CONTRACTOR TO RELOCATE TREES AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL AVOID DAMAGE TO ANY EXISTING TREES TO REMAIN. EXISTING TREES SHALL BE REMOVED ONLY IF REQUIRED FOR CONSTRUCTION. THOSE TREES NOT INTERFERING WITH CONSTRUCTION SHALL BE PROTECTED IN PLACE.
25. THE CONTRACTOR SHALL USE A STREET SWEEPER (USING WATER) OR OTHER EQUIPMENT CAPABLE OF CONTROLLING AND REMOVING DUST. APPROVAL OF THE USE OF SUCH EQUIPMENT IS CONTINGENT UPON ITS DEMONSTRATED ABILITY TO DO THE WORK.
26. THE CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS FOR ALL ITEMS USED IN THIS PROJECT.

REVISIONS										 ENGINEER OF RECORD: WSP USA INC. 7650 CORPORATE CENTER DRIVE, SUITE 300 MIAMI, FLORIDA 33126 (305) 514-3100 JOSE M. SUAZO, P.E. NO.: 88241	 DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS HIGHWAY DIVISION STEPHEN P. CLARK CENTER 11 NW 1 ST MIAMI, FLORIDA 33128	NE 15TH ST FROM NE MIAMI AVE TO VENETIAN CAUSEWAY BRIDGE GENERAL NOTES	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	NAME				DATE

GENERAL NOTES: (CONT.)

27. WHEN DISSIMILAR MATERIAL CONNECTIONS ARE MADE, SUCH AS CONCRETE TO METAL, THE DISSIMILAR MATERIAL SHALL BE SEPARATED BY COATING THE CONTACT SURFACE WITH BITUMASTIC MATERIAL.
28. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING EXISTING AND NEW INLETS CLEAN OF MILLING MATERIAL, LIMEROCK, DEBRIS, ETC. DURING THE CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER. ALL LINES AND STRUCTURES SHALL BE CLEANED PRIOR TO FINAL INSPECTION AND ACCEPTANCE.
29. CAST IRON PRODUCTS: HEAVY-DUTY CLASSIFICATION SUITABLE FOR HIGHWAY TRAFFIC LOADS OR 16,000 LBS WHEEL LOADS.
30. STEEL GRATING AND COVERS: TRAFFIC CLASSIFICATION H-20; 16,000 LBS OVER 8"x20" AREA.
31. EXISTING DRAINAGE STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION SHALL REMAIN UNLESS OTHERWISE NOTED.
32. EXISTING MANHOLES AND INLETS SCHEDULED TO REMAIN SHALL BE THOROUGHLY CLEANED BY REMOVING ALL DEBRIS AND SEDIMENTS, AND THE INTERIOR SHALL BE SEALED WITH AN APPROVED NON-TOXIC BITUMASTIC SEALANT.
33. PRIOR TO CONSTRUCTION THE CONTRACTOR WILL INSPECT ALL EXISTING STRUCTURES WHICH ARE TO REMAIN AND NOTIFY THE ENGINEER OF ANY OBVIOUS STRUCTURAL DEFICIENCIES.
34. CONTRACTOR SHALL ADJUST ALL EXISTING VALVES, CATCH BASINS, GRATES, AND STORM MANHOLE COVERS TO MEET NEW GRADES WHERE APPLICABLE.
35. RADII ON CURB RETURNS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
36. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION, INSTALLATION, AND MAINTENANCE OF ALL TRAFFIC CONTROL AND SAFETY DEVICES, IN ACCORDANCE WITH SPECIFICATIONS OUTLINED IN THE PUBLIC WORKS DEPARTMENT MANUAL, THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND THE FDOT DESIGN STANDARDS.
37. WHERE NEW PAVEMENT MEETS EXISTING, CONNECTION SHALL BE MADE IN A NEAT STRAIGHT LINE AND FLUSH WITH THE EXISTING PAVEMENT.
38. THE LOCATION OF SOME DRIVEWAYS IS APPROXIMATE. VERIFICATION OF EXACT LOCATION AND DIMENSIONS IS RECOMMENDED.
39. EXISTING DRIVEWAYS WITHIN THE LIMITS OF THIS PROJECT ARE TO BE REPLACED AT THE SAME LOCATION AND WIDTH, UNLESS OTHERWISE SHOWN IN PLANS.
40. WHERE CONNECTIONS TO EXISTING SIDEWALKS AND DRIVEWAYS ARE NOT INDICATED ON PLANS, PROPER CONNECTIONS ARE TO BE MADE AS DIRECTED BY THE ENGINEER. DROP CURB AND DRIVEWAY CONNECTIONS SHALL BE PROVIDED FOR ACCESS TO ALL PRIVATE PROPERTIES ADJACENT TO THE PROJECT. PAYMENT SHALL BE INCLUDED IN THE COST OF RELATED BID ITEMS.
41. CONTRACTOR TO INSTALL 1/2" PREFORMED EXPANSION JOINT WHEN PROPOSED SIDEWALK IMPROVEMENTS IS IMMEDIATELY ADJACENT TO EXISTING CONCRETE SLAB AND/OR BUILDING.
42. COMPLETE AS-BUILT INFORMATION RELATIVE TO LOCATION AND DEPTH OF PIPES, MANHOLES, ETC. SHALL BE ACCURATELY RECORDED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER PRIOR TO FINAL ACCEPTANCE OF THE WORK. ALL ELEVATIONS SHALL BE TAKEN BY A FLORIDA REGISTERED SURVEYOR AND SHOWN ON THE RECORD DRAWINGS.
43. DESIGN WATER TABLE ELEVATION: 4.2'
44. MIAMI-DADE COUNTY FLOOD CRITERIA ELEVATION: 8.5'
45. THE INFORMATION PROVIDED IN THESE DRAWINGS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF CONDITIONS WHICH WILL BE ENCOUNTERED DURING THE COURSE OF WORK. THE CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH BIDS WILL BE BASED.
46. THE CONTRACTOR MUST MAINTAIN CLEARANCES AS REQUIRED BY OSHA WHILE WORKING IN THE PROXIMITY OF FPL'S HIGH-VOLTAGE TRANSMISSION CONDUCTORS AND LOW VOLTAGE DISTRIBUTION CONDUCTORS.
47. THE ROADWAY CONTRACTOR MUST MAINTAIN ACCESS TO ALL FPL FACILITIES AT ALL TIMES DURING CONSTRUCTION.

48. ALL EXISTING FACILITIES MUST REMAIN ENERGIZED DURING ROAD CONSTRUCTION.
49. SHOP DRAWINGS FOR SIGNAL EQUIPMENT AND MAST-ARMS ARE TO BE DELIVERED TO TRAFFIC SIGNALS AND SIGN DIVISION LOCATED AT 7100 NW 36 ST MIAMI, FL 33166 TO THE ATTENTION OF OSCAR RUBIO IN ORDER TO ASSURE EQUIPMENT MEETS THE MDC STANDARDS.

MAINTENANCE OF TRAFFIC NOTES:

1. TRAFFIC CONTROLS SHALL BE IN ACCORDANCE WITH THE PROJECT PLANS, THE MIAMI-DADE COUNTY PUBLIC WORKS MANUAL AS PERTAINS TO MAINTENANCE OF TRAFFIC, THE CURRENT EDITION OF THE FLORIDA DOT DESIGN STANDARDS (600 SERIES), THE STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AS MINIMUM CRITERIA.
2. THE CONTRACTOR SHALL DEVELOP MAINTENANCE OF TRAFFIC PLAN OF HIS OWN, MEETING THE REQUIREMENTS SPECIFIED IN THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES LATEST EDITION AND THE FDOT INDEX 600 SERIES. THE CONTRACTOR'S MAINTENANCE OF TRAFFIC PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO START OF CONSTRUCTION. THE PLANS SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA.
3. TEMPORARY PAVEMENT SHALL CONSIST OF A MINIMUM OF 6 INCH LIMEROCK BASE, PRIME COAT AND 1-1/2 INCHES TYPE S ASPHALTIC CONCRETE. THE BASE LAYER SHALL BE PLACED OVER A FIRM, UNYIELDING, WELL-COMPACTED SUBGRADE. COST OF CONSTRUCTION AND REMOVAL OF TEMPORARY PAVEMENT TO BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.
4. THE CONTRACTOR SHALL IMMEDIATELY REPAIR ALL POTHoles THAT DEVELOP WITHIN THE PROJECT LIMITS AND WILL MAINTAIN A SUPPLY OF COLD MIX ON THE PROJECT SITE TO EXPEDITE THOSE REPAIRS. COST OF REPAIR TO BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.
5. NOTIFICATION OF LANE CLOSURES OR TEMPORARY DETOURS SHALL BE ACCOMPLISHED 14 WORKING DAYS PRIOR TO CLOSURE OR DETOUR BY COORDINATING WITH DADE COUNTY PUBLIC WORKS DEPARTMENT AND DADE COUNTY TRAFFIC OPERATIONS.
6. THE CONTRACTOR SHALL NOTIFY LAW ENFORCEMENT AND FIRE PROTECTION SERVICES TWENTY-FOUR (24) HOURS IN ADVANCE OF A DETOUR IN ACCORDANCE WITH SECTION 336.07 OF THE FLORIDA STATUTES.
7. AT THE DISCRETION OF THE ENGINEER, IF A LANE CLOSURE CAUSES EXTENDED CONGESTION OR DELAY, THE CONTRACTOR SHALL BE DIRECTED TO REOPEN THE CLOSED LANE(S) UNTIL SUCH TIME THAT THE TRAFFIC FLOW HAS RETURNED TO AN ACCEPTABLE LEVEL.
8. THE TRAFFIC AND TRAVEL WAYS SHALL NOT BE ALTERED BY THE CONTRACTOR TO CREATE A WORK ZONE UNTIL ALL LABOR AND MATERIAL ARE AVAILABLE FOR THE CONSTRUCTION IN THAT AREA.
9. LANE CLOSURE SHALL OCCUR ONLY DURING NON-PEAK HOURS ON NONEVENT DAYS/NIGHTS. NO INTERRUPTION TO TRAFFIC IS PERMITTED FROM MONDAY-FRIDAY 7-9 A.M. AND 4-6 P.M. OR ON WEEKENDS AND HOLIDAYS.
10. REGULATORY SPEED ESTABLISHED WITHIN THE WORK ZONE TRAVEL WAYS SHALL BE XX M.P.H. REDUCED SPEED AND REGULATORY SPEED SIGNS SHALL BE INSTALLED ON SEPARATE POSTS IN ACCORDANCE WITH THE STANDARD INDEXES.
11. CONTRACTOR SHALL MAINTAIN ACCESS TO PRIVATE PROPERTY DURING ALL PHASES OF CONSTRUCTION. LOCAL RESIDENTS WITHIN THE AREA OF CONSTRUCTION SHALL BE GIVEN ACCESS TO THEIR PROPERTY DURING ALL PHASES OF CONSTRUCTION. LOCAL RESIDENTS INCLUDE ALL COMMERCIAL ESTABLISHMENTS AND BUSINESSES.
12. SIGNS ARE TO BE LOCATED BEFORE EACH BUSINESS OR SHOPPING PLAZA ENTRANCE WHERE CONSTRUCTION NEGATIVELY IMPACTS THE ACCESS TO THE BUSINESS OR SHOPPING PLAZA OR AS DIRECTED BY THE ENGINEER. TWO SIGNS WILL TYPICALLY BE REQUIRED AT EACH ENTRANCE. SIGNS ARE TO BE DISPLAYED AS DESCRIBED IN INDEX 600 OF THE ROADWAY AND TRAFFIC DESIGN STANDARDS.
13. AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL COVER WORK ZONE SIGNS WHEN CONDITIONS NO LONGER WARRANT THEIR USE. COST OF COVERING AND UNCOVERING THE SIGNS SHALL BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.

REVISIONS										 ENGINEER OF RECORD: WSP USA INC. 7650 CORPORATE CENTER DRIVE, SUITE 300 MIAMI, FLORIDA 33126 (305) 514-3100 JOSE M. SUAZO, P.E. NO.: 88241	 DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS HIGHWAY DIVISION STEPHEN P. CLARK CENTER 11 NW 1 ST MIAMI, FLORIDA 33128	NE 15TH ST FROM NE MIAMI AVE TO VENETIAN CAUSEWAY BRIDGE GENERAL NOTES
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DESIGNED BY CHECKED BY SUPERVISED BY:			

MAINTENANCE OF TRAFFIC NOTES: (CONT.)

14. CONTRACTOR SHALL REMOVE, RELOCATE, OR COVER ANY EXISTING OR PROPOSED SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLANS. WHEN THE CONFLICT NO LONGER EXISTS, THE CONTRACTOR SHALL RESTORE THE SIGNS TO THEIR ORIGINAL POSITION. COST OF TEMPORARILY REMOVING, RELOCATING, COVERING, AND RESTORING THE SIGNS SHALL BE INCLUDED IN THE PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.
15. EACH EXISTING STREET NAME AND TRAFFIC SIGN AFFECTED BY CONSTRUCTION SHALL BE RELOCATED AND MAINTAINED IN AN APPROPRIATE LOCATION FOR THE DURATION OF THE PROJECT. WHEN NO LONGER AFFECTED BY CONSTRUCTION, THESE SIGNS SHALL BE RESTORED IN THEIR ORIGINAL POSITION. COST OF TEMPORARILY RELOCATING AND RESTORING THE SIGNS SHALL BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.
16. THE CONTRACTOR SHALL NOT PROPOSE ANY ALTERNATIVE TRAFFIC CONTROL PLAN THAT REDUCES THE NUMBER OF TRAVEL LANES SHOWN ON THE CONTRACT TRAFFIC CONTROL PLANS.
17. ARROWS ON THE TRAFFIC CONTROL PLAN DENOTE THE DIRECTION OF TRAFFIC ONLY AND DO NOT REFLECT PAVEMENT MARKINGS UNLESS SPECIFICALLY NOTED.
18. CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE REMOVAL OF STORM WATER FROM ROADWAYS UTILIZED FOR MAINTAINING TRAFFIC IN A MANNER APPROVED BY THE ENGINEER. COST FOR REMOVING THE WATER SHALL BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.
19. FOR DROP-OFF, THE CONTRACTOR'S ATTENTION IS DIRECTED TO FDOT STANDARD INDEX NO. 600, SHEET 7 OF 10. THE CONTRACTOR SHALL USE SHOULDER TREATMENT DETAIL WHEN NO BARRIERS ARE REQUIRED IN THE PLANS.
20. DURING ASPHALT CONSTRUCTION OPERATIONS, NO MORE THAN 11/4" DROP-OFF BETWEEN ADJACENT TRAVEL LANES OR AT TRANSVERSE JOINTS SHALL BE ALLOWED WHEN LANES ARE OPEN TO TRAFFIC. WHERE DROP OFF CONDITIONS EXIST, THE SIGNING FOR UNEVEN PAVEMENT SHALL BE INSTALLED FOR THE DURATION OF THE CONDITION (W8-9AP).
21. THE CONTRACTOR IS TO PLACE TEMPORARY OR REMOVABLE PAVEMENT MARKINGS BETWEEN EACH LAYER OF PAVEMENT, AND IS RESPONSIBLE FOR THE TEMPORARY RELOCATION OF STOP BARS & STOP SIGNS AS APPLICABLE. PAVEMENT MARKINGS AND BARRICADES PLACEMENT SHALL BE APPROPRIATELY COORDINATED.
22. THE CONTRACTOR SHALL REMOVE ANY EXISTING OR TEMPORARY PAVEMENT MARKINGS THAT CONFLICT WITH THE TRAFFIC CONTROL PLANS. GRINDING OR MILLING SHALL ONLY BE PERMITTED IN NON-TRAFFIC AREAS. COST OF REMOVAL OF TEMPORARY PAVEMENT MARKINGS, REGARDLESS OF METHOD, IS INCLUDED IN THE RELATED PAY ITEMS. USE OF BLACK PAINT TO COVER EXISTING AND/OR TEMPORARY PAVEMENT MARKINGS IS PROHIBITED.
23. TEMPORARY LANE TRANSITIONS, SHIFTS, AND CROSSOVERS SHALL HAVE SOLID LANE AND EDGE LINES FOR THE LENGTH OF THE TRANSITION, SHIFT OR CROSSOVER. IN ADDITION, SOLID LANE AND EDGE LINES SHALL EXTEND 100 FT. ON THE TANGENT SECTION BEYOND EACH END OF THESE CROSSOVERS OR TRANSITION AREAS. COST OF THE TEMPORARY RPMS SHALL BE INCLUDED IN PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.
24. TEMPORARY RAISED PAVEMENT MARKERS (RPMS) SHALL BE INSTALLED ON THE EDGE, CENTER, AND LANE LINES OF ALL CROSS-OVERS, TRANSITIONS, AND TANGENT SECTIONS WITHIN THE WORK ZONE WHERE THE VEHICLE PATHS ARE ALTERED. THE SPACING FOR THESE RPMS SHALL BE 40 FT. ON CENTERS FOR TANGENT SECTIONS AND 5 FT. FOR TRANSITIONS, CURVES, AND CROSSOVERS. THE RPMS SHALL EXTEND 100 FT. ON THE TANGENT SECTION BEYOND EACH END OF THESE CROSSOVERS OR TRANSITION AREAS. COST OF THE TEMPORARY RPMS SHALL BE INCLUDED IN THE PAY ITEM 102-1, MAINTENANCE OF TRAFFIC.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



ENGINEER OF RECORD:
WSP USA INC.
7650 CORPORATE CENTER DRIVE,
SUITE 300
MIAMI, FLORIDA 33126
(305) 514-3100
JOSE M. SUAZO, P.E. NO.: 88241

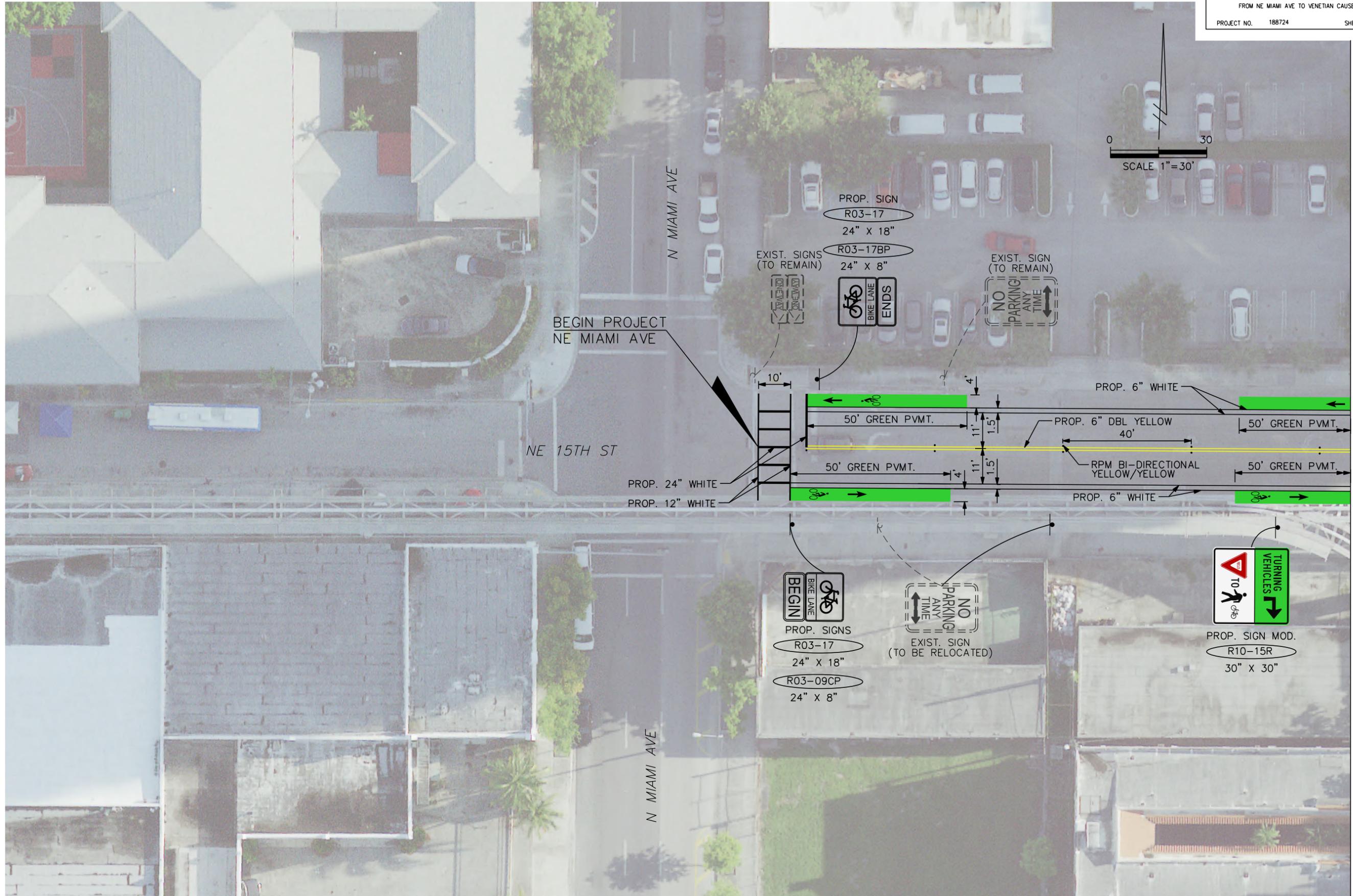
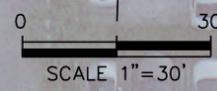
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DEPARTMENT OF TRANSPORTATION
AND PUBLIC WORKS
HIGHWAY DIVISION
STEPHEN P. CLARK CENTER
111 NW 1 ST
MIAMI, FLORIDA 33128

NE 15TH ST
FROM NE MIAMI AVE TO VENETIAN CAUSEWAY BRIDGE
GENERAL NOTES



MATCH LINE SHEET 9

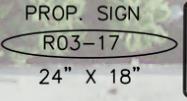
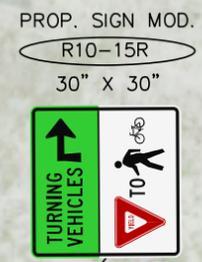
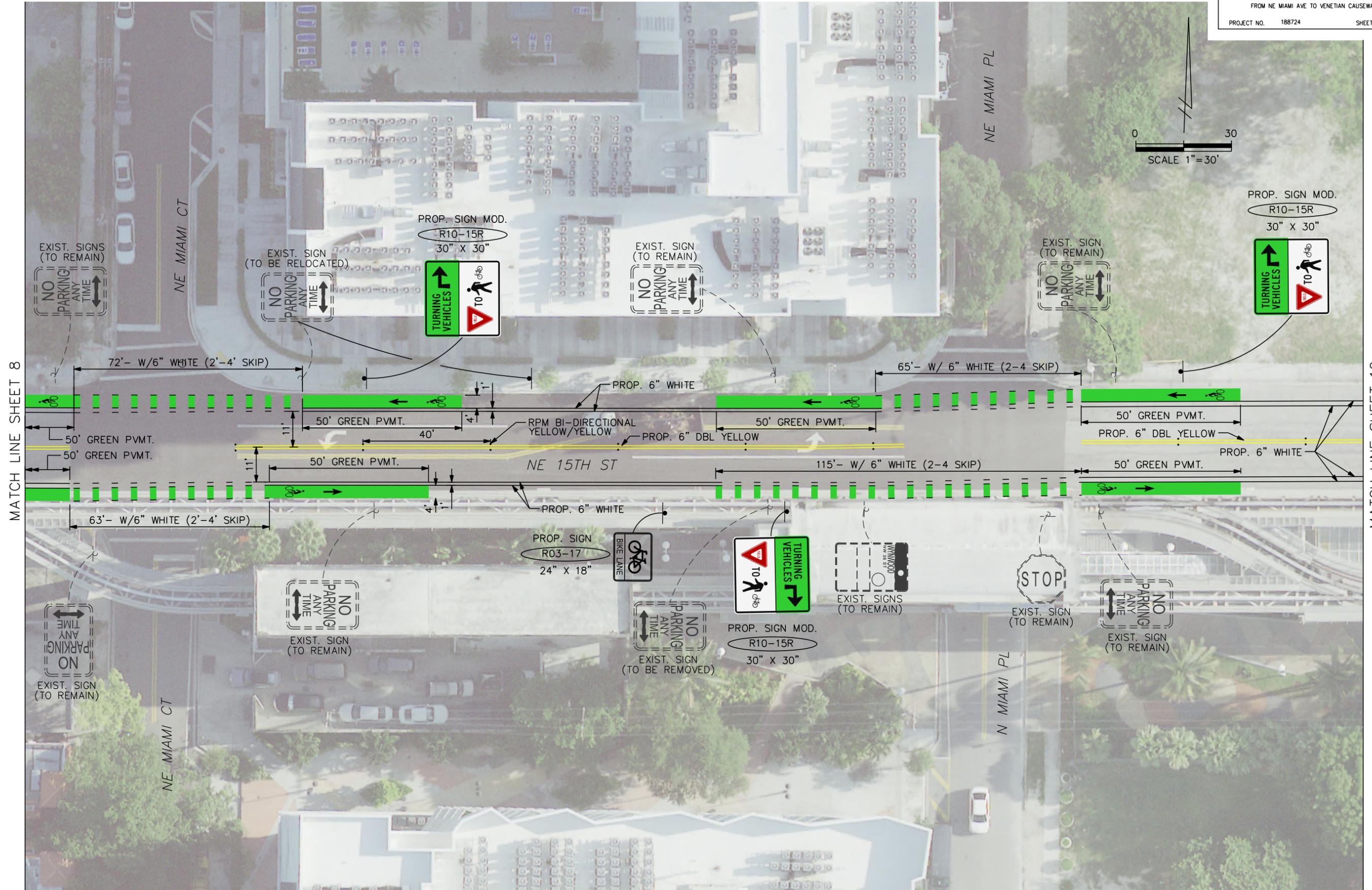
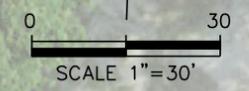
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MIAMI-DADE COUNTY
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HIGHWAY DIVISION
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MIAMI, FLORIDA 33128

NE 15TH ST
FROM NE MIAMI AVE TO VENETIAN CAUSEWAY BRIDGE
ROADWAY PLAN



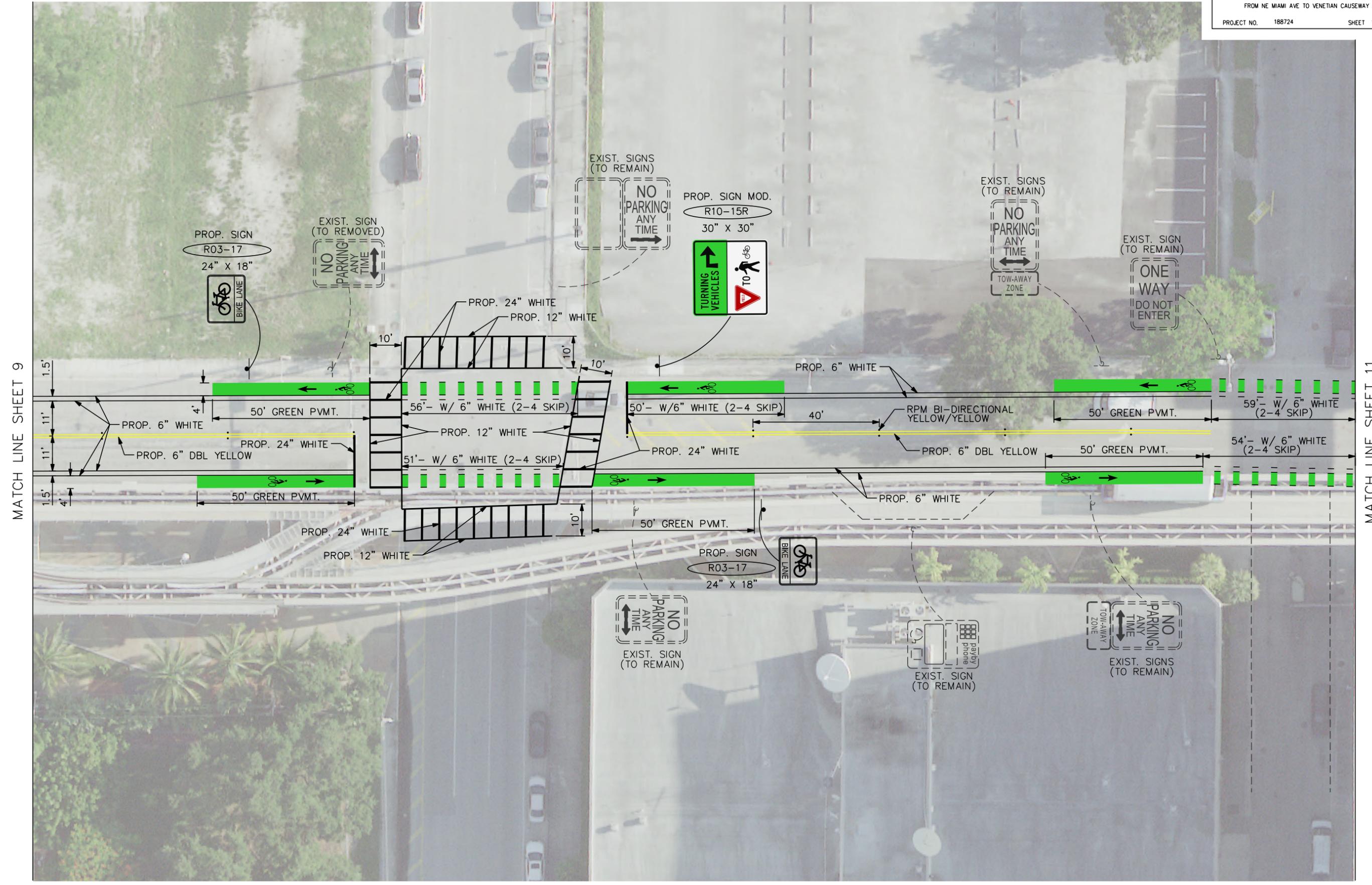
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NE 15TH ST
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 ROADWAY PLAN



MATCH LINE SHEET 9

MATCH LINE SHEET 11

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

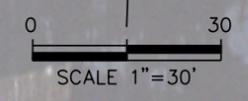
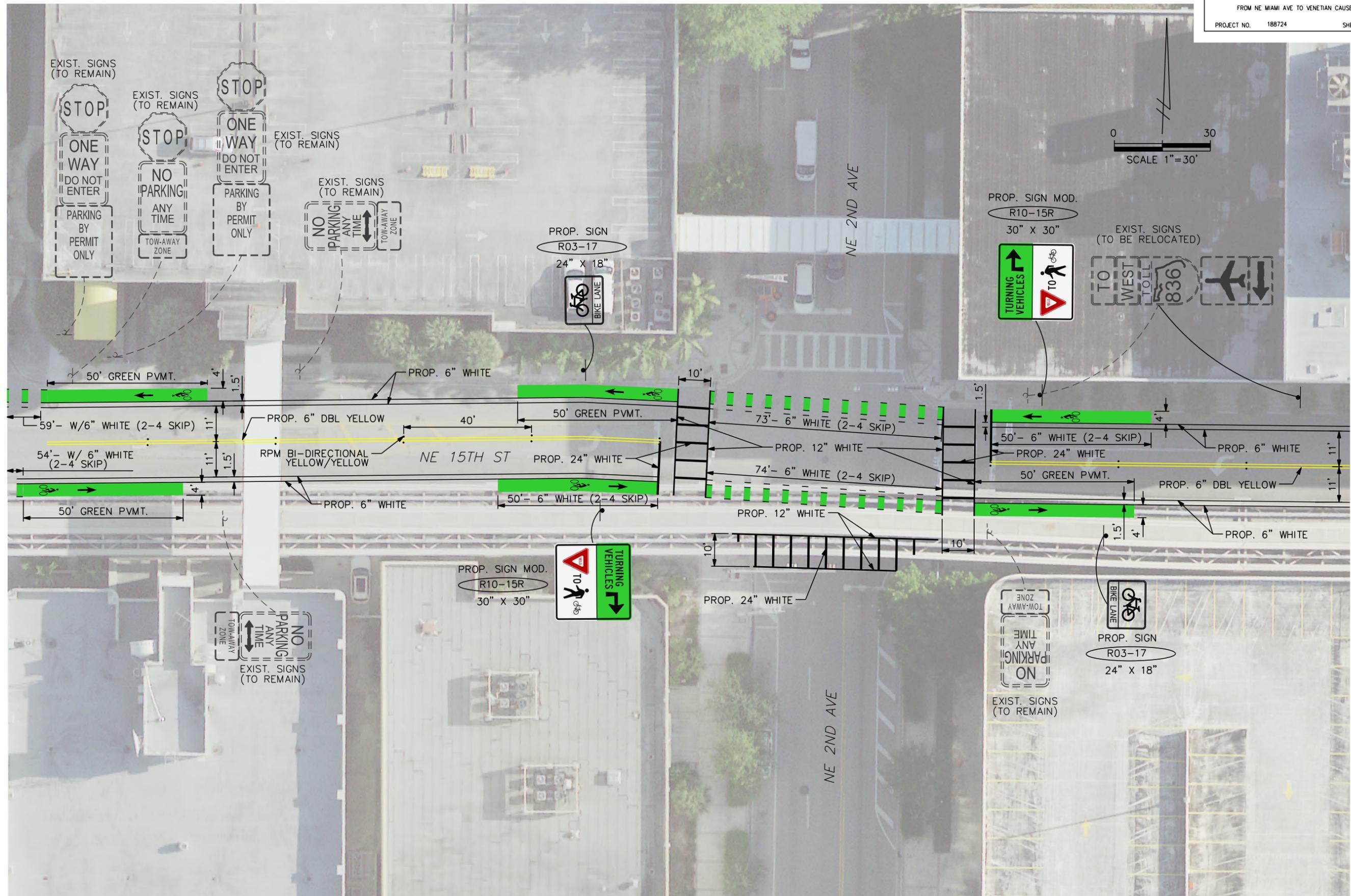
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NE 15TH ST
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 ROADWAY PLAN



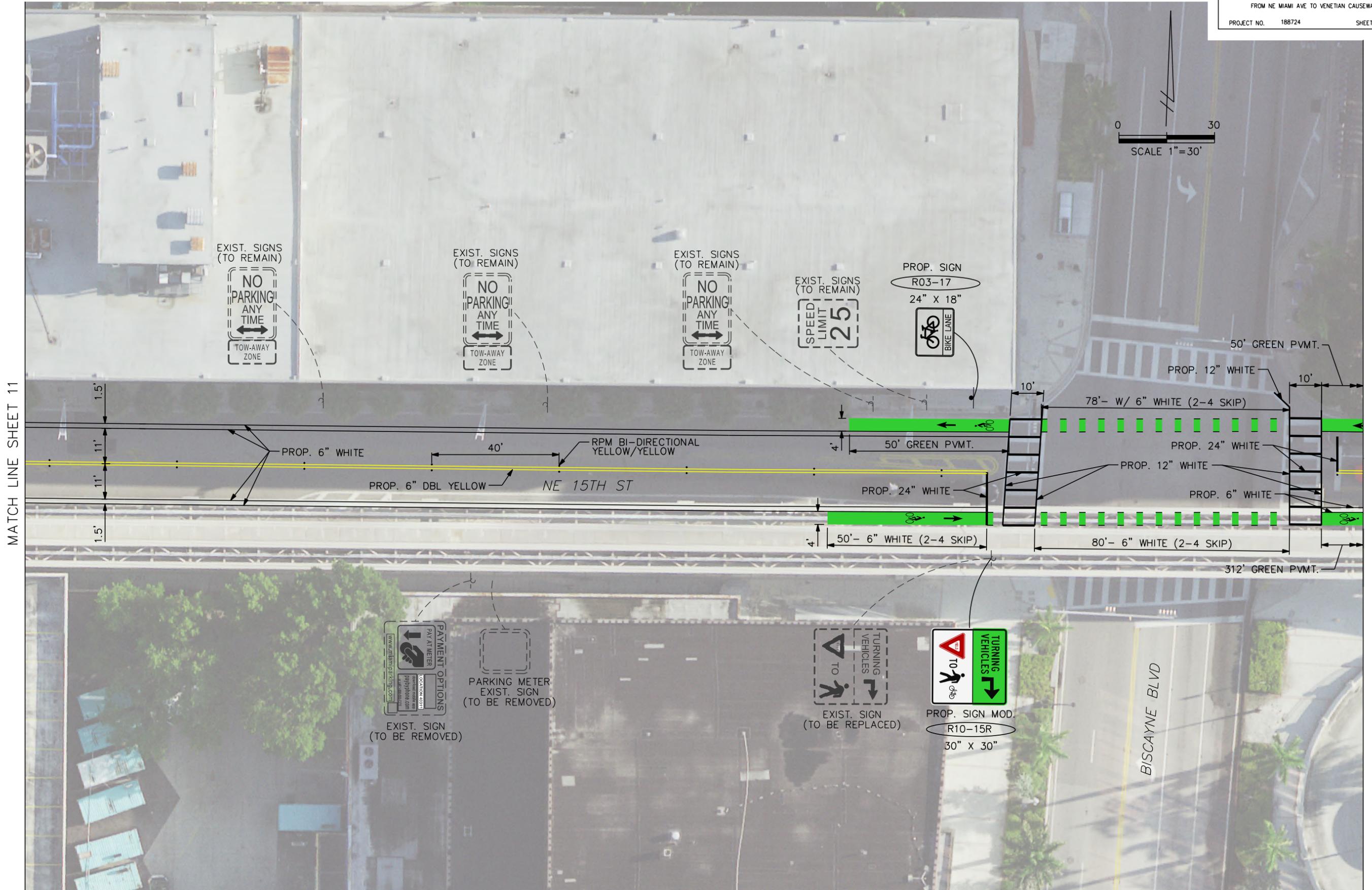
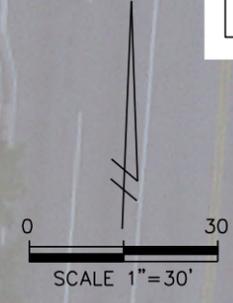
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NE 15TH ST
 FROM NE MIAMI AVE TO VENETIAN CAUSEWAY BRIDGE



MATCH LINE SHEET 11

MATCH LINE SHEET 13

REVISIONS

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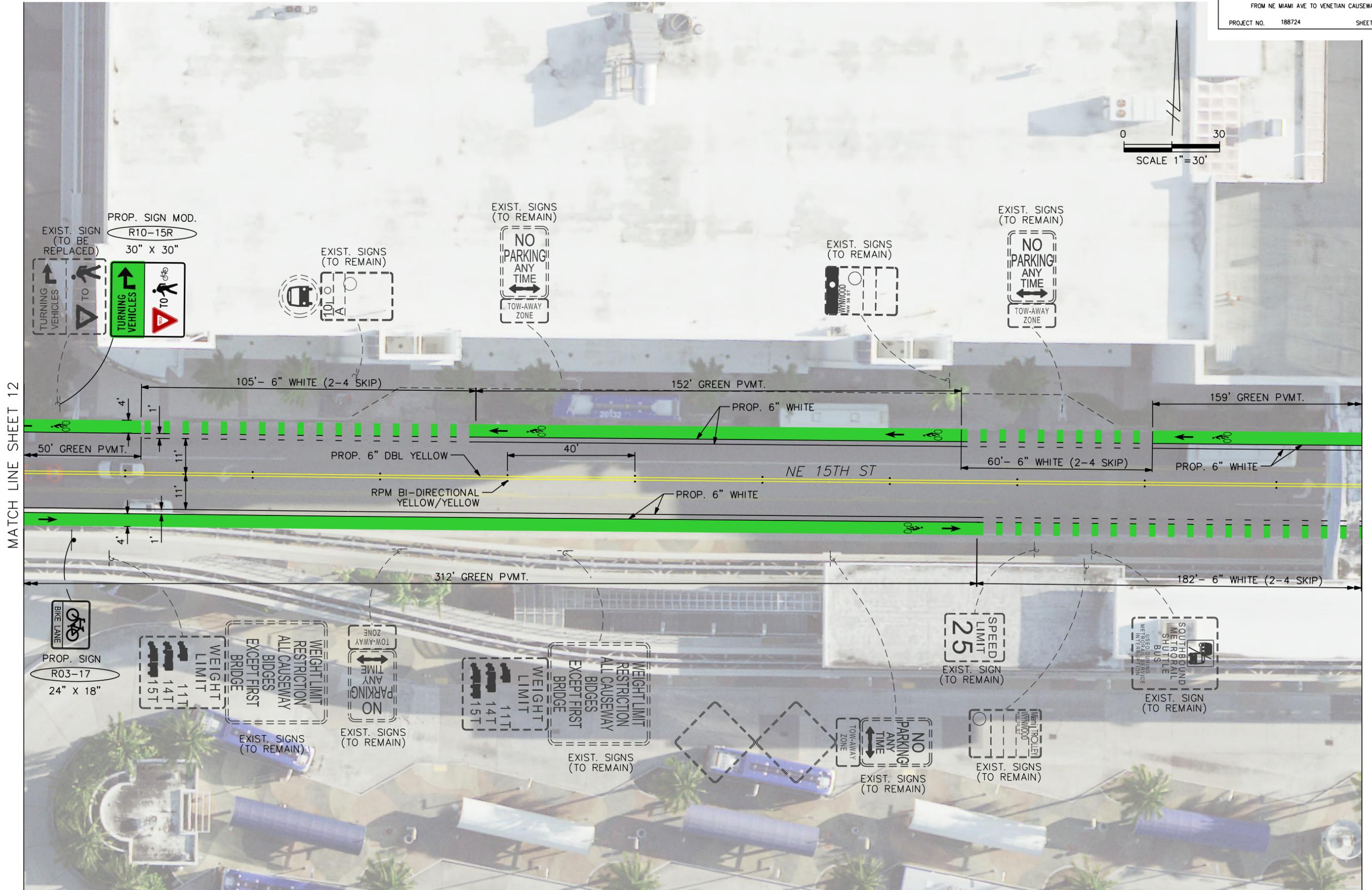
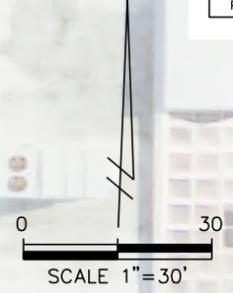
ENGINEER OF RECORD:
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NE 15TH ST
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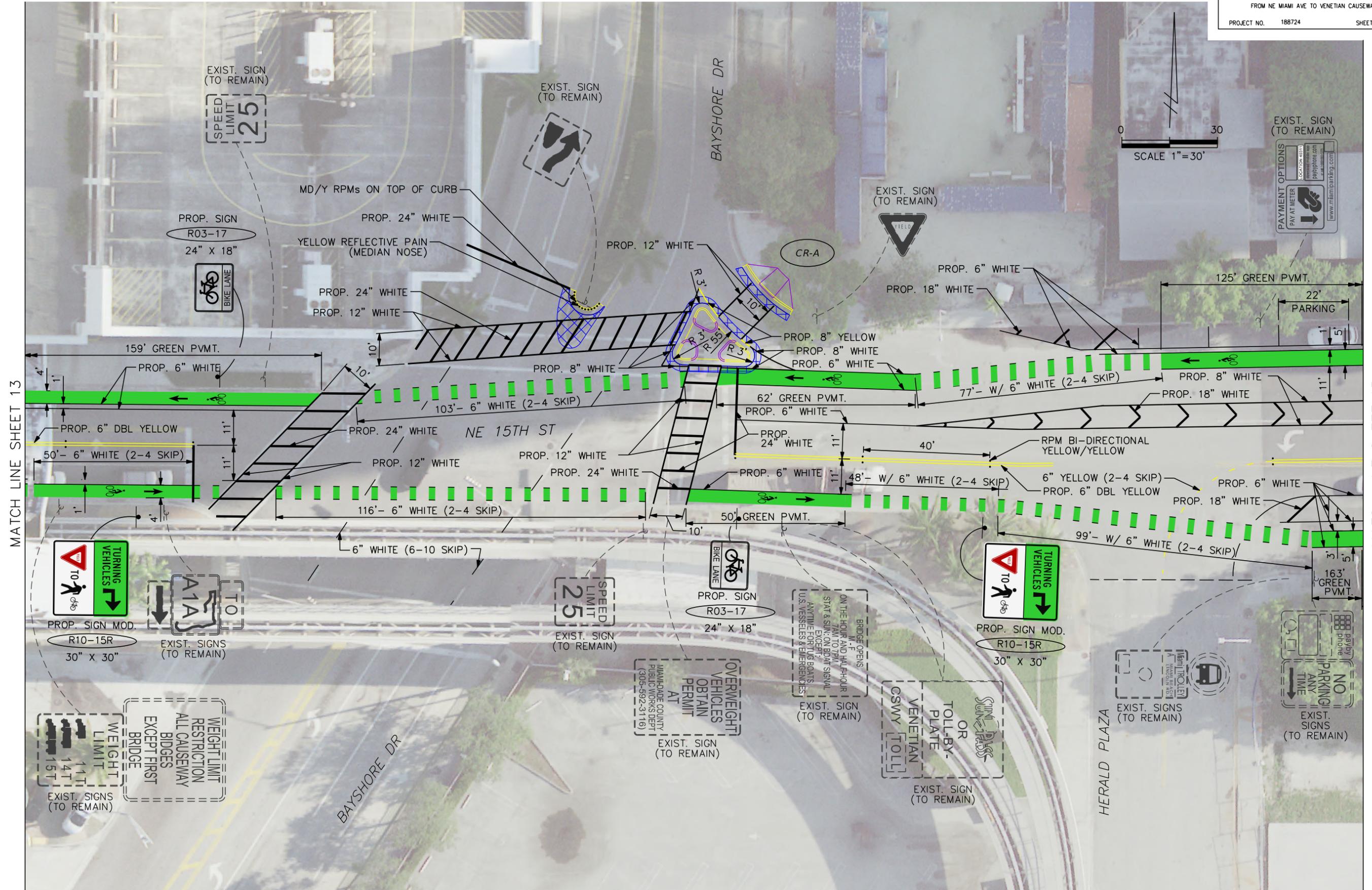
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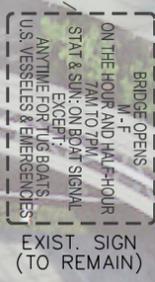
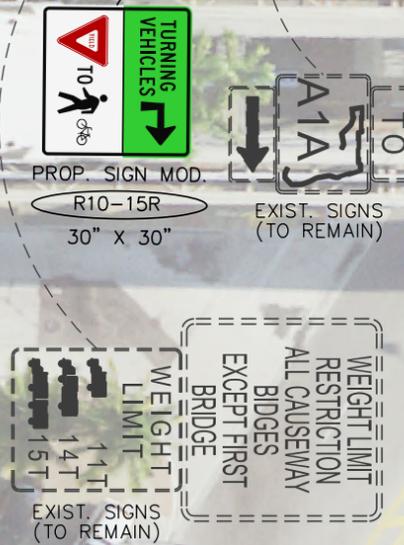
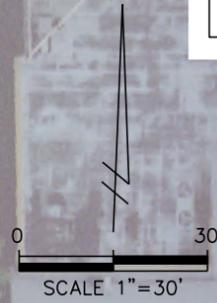
MIAMI-DADE COUNTY
 DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
 HIGHWAY DIVISION
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 MIAMI, FLORIDA 33128

NE 15TH ST
 FROM NE MIAMI AVE TO VENETIAN CAUSEWAY BRIDGE
 ROADWAY PLAN



MATCH LINE SHEET 13

MATCH LINE SHEET 15



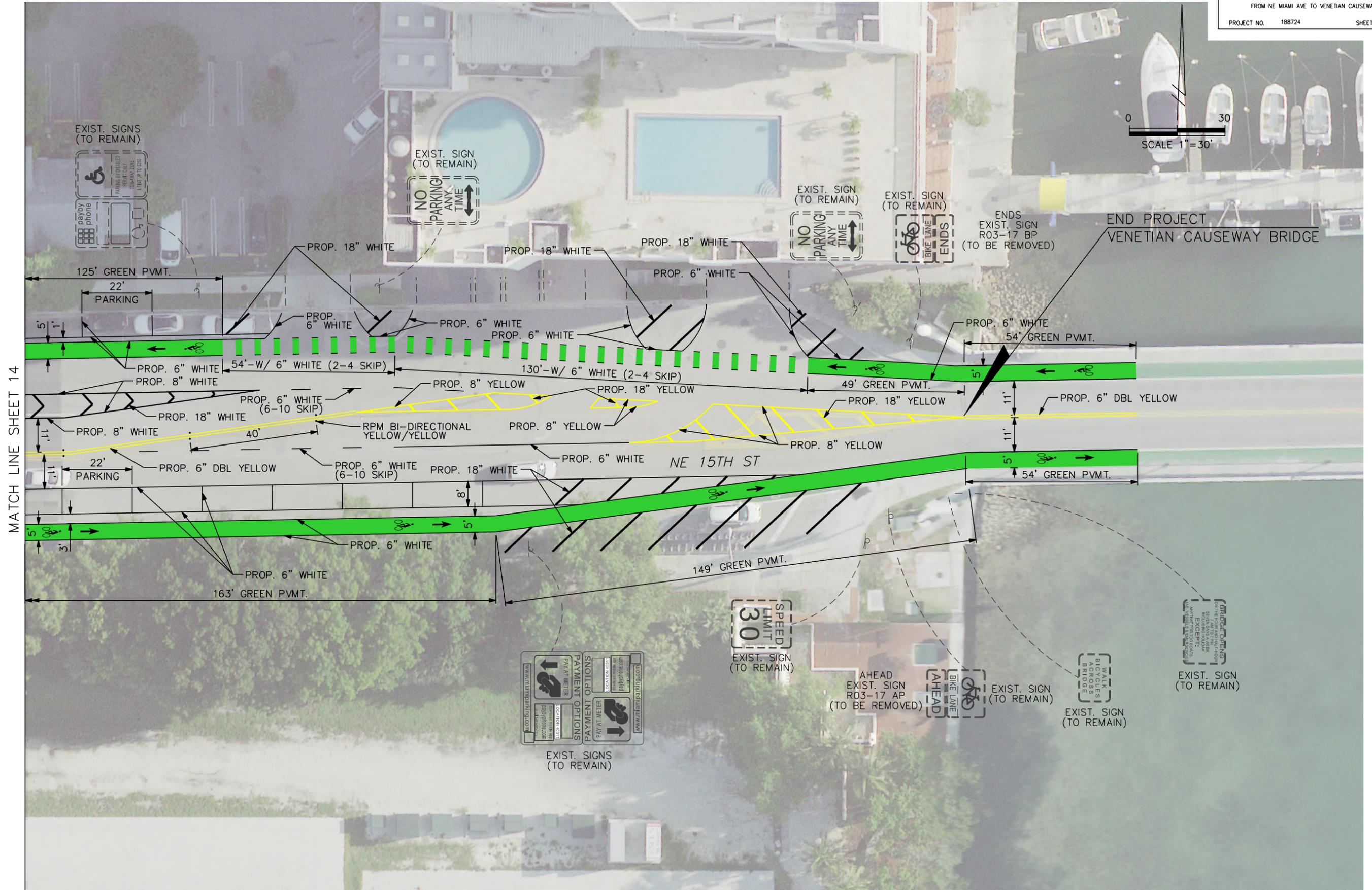
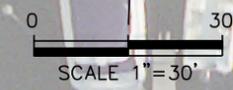
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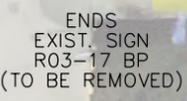
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SUPERVISED BY:			

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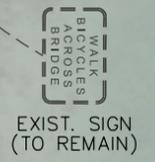
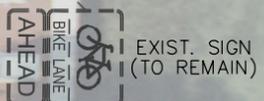
NE 15TH ST
 FROM NE MIAMI AVE TO VENETIAN CAUSEWAY BRIDGE
 ROADWAY PLAN



MATCH LINE SHEET 14



END PROJECT
VENETIAN CAUSEWAY BRIDGE



REVISIONS								
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

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 ENGINEER OF RECORD:
 WSP USA INC.
 7650 CORPORATE CENTER DRIVE,
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MIAMI-DADE COUNTY
 DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
 HIGHWAY DIVISION
 STEPHEN P. CLARK CENTER
 111 NW 1 ST
 MIAMI, FLORIDA 33128

NE 15TH ST
 FROM NE MIAMI AVE TO VENETIAN CAUSEWAY BRIDGE
ROADWAY PLAN

GENERAL NOTES:

1. EXISTING FEATURES AND ARE BASED FROM AERIALS AND/OR FIELD REVIEW. THESE FEATURES SHOULD BE USED AS A REFERENCE ONLY.]
 2. ALL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT, AND ANY OTHER STATE OR LOCAL AGENCY WITH JURISDICTION. IT IS THE INTENT OF THESE PLANS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE PLANS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.
 3. EXISTING ABOVE GROUND FEATURES ARE SHOWN ACCORDING TO THE BEST AVAILABLE DATA AND MAY NOT ACCURATELY REFLECT THE PRESENT CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH CURRENT SITE CONDITIONS AND SHALL REPORT DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING WORK.
 4. CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING TREES, STRUCTURES AND UTILITIES, WHICH MAY NOT BE SHOWN ON PLANS. ALL STRUCTURE, PAVEMENT, TREES OR OTHER EXISTING IMPROVEMENT THAT IS NOT SPECIFIED FOR REMOVAL WHICH IS TEMPORARILY DAMAGED, EXPOSED OR IN ANY WAY DISTURBED BY CONSTRUCTION PERFORMED UNDER THIS CONTRACT, SHALL BE REPAIRED, PATCHED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.
 5. THE CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS FOR ALL ITEMS USED ON THIS PROJECT.
 6. THE CONTRACTOR SHALL PERFORM AN INVENTORY OF THE EXISTING INTERSECTION PRIOR TO THE BEGINNING OF CONSTRUCTION ACTIVITIES AND SUBMIT TWO (2) COPIES OF THE INVENTORY REPORT LISTING ALL OPERABLE AND INOPERABLE SIGNAL ITEMS TO THE ENGINEER. ALL DAMAGED ITEMS SHALL BE CLEARLY IDENTIFIED IN THE REPORT.
 7. THE CONTRACTOR SHALL BE ADVISED THAT OTHER PROJECTS MAY BE UNDER CONSTRUCTION CONCURRENTLY WITH THIS PROJECT AND THAT COORDINATION EFFORTS MAY BE NECESSARY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE CONSTRUCTION SCHEDULE AND FOR THE AMOUNT OF COORDINATION REQUIRED. THE COST SHALL BE INCLUDED IN THIS BID.
 8. THE EXISTING UTILITIES AND LOCATIONS SHOWN ON THE PLANS ARE FROM AS-BUILT INFORMATION PROVIDED BY THE CLIENT. THIS INFORMATION DOES NOT RELIEVE THE CONTRACTOR FROM HIS RESPONSIBILITY FOR PROCURING UTILITY LOCATIONS IN ACCORDANCE WITH FLORIDA UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT (556).
 9. THE SIGNAL MAINTAINING AGENCY IS MIAMI-DADE COUNTY PUBLIC WORKS DEPARTMENT. CONTACT SHOULD BE MADE WITH THE TRAFFIC CONTROL CENTER LOCATED AT:

MIAMI-DADE COUNTY SIGNALS AND SIGNS DIVISION ATTENTION:
MR. JUAN PENA
7100 NW 36th STREET MIAMI, FL. 33166
TELEPHONE (305) 592-8925 EXT. 246
- THE CONTRACTOR SHALL COORDINATE WORK SCHEDULE, COORDINATE TIMING AND AUTHORIZATION OF POWER SERVICE WITH MIAMI-DADE COUNTY TRAFFIC ENGINEERING.

10. ALL ELECTRICAL AND ELECTRONIC EQUIPMENT AND STRUCTURES SHALL COMPLY WITH THE FDOT QPL/APL AND THE MIAMI-DADE COUNTY QPL.
11. THE CONTRACTOR SHALL PERFORM AN INVENTORY OF THE EXISTING INTERSECTIONS PRIOR TO BEGINNING CONSTRUCTION ACTIVITY. A WRITTEN REPORT WILL BE PREPARED LISTING ALL SIGNAL ITEMS OPERABLE AND INOPERABLE. THE COMPLETED REPORT WILL BE FORWARDED TO THE PROJECT ENGINEER WITH TWO COPIES TO THE MAINTAINING AGENCY PRIOR TO BEGINNING CONSTRUCTION.
12. CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO NOTIFY MIAMI - DADE COUNTY TRAFFIC SIGNAL AND SIGNS DIVISION 48 HOURS PRIOR TO ANY CONSTRUCTION THAT INTERFERES WITH THE NORMAL OPERATION OF THE EXISTING SIGNALS.
13. THE CONTRACTOR'S RESPONSE TIME TO ALL REPORTED MALFUNCTIONS OF TRAFFIC SIGNAL WITHIN THE PROJECT LIMITS SHALL BE NO MORE THAN TWO (2) HOURS AND SHALL RESTORE ALL MALFUNCTIONING TRAFFIC SIGNAL EQUIPMENT TO ITS LEVEL OF OPERATION WITHIN TWENTY-FOUR (24) HOURS. DURING THIS TIME THE CONTRACTOR SHALL PROVIDE, AT HIS EXPENSE, TEMPORARY TRAFFIC CONTROL DEVICES, FLAGMAN PERSONNEL, AND LAW ENFORCEMENT PERSONNEL AS NECESSARY TO MAINTAIN A SAFE AND EFFICIENT FLOW OF TRAFFIC AT THE AFFECTED SIGNALIZED INTERSECTIONS. THIS WOULD INCLUDE EXCEPTION AREAS THAT NEED TO BE ADJUSTED FOR M.O.T. PHASING. THE ENGINEER SHALL APPROVE ALL MODIFICATIONS PRIOR TO THEIR IMPLEMENTATION.
14. THE LOCATION OF ALL POLES, PEDESTALS AND OTHER EXCAVATION SHALL BE CONSIDERED APPROXIMATE DUE TO THE POTENTIAL OF CONFLICT WITH UNDERGROUND UTILITIES. SLIGHT ADJUSTMENTS AS DIRECTED BY THE ENGINEER MAY BE NECESSARY TO SATISFY SAFETY CODE, OR CLEAR UTILITIES.
15. NO POLYCARBONATE HOUSING OR MOUNTING HARDWARE WILL BE PERMITTED FOR VEHICULAR OR PEDESTRIAN SIGNAL HEAD ASSEMBLIES. ALL LENSES FOR VEHICULAR OR PEDESTRIAN SIGNAL HEAD ASSEMBLIES SHALL BE GLASS.

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS											ENGINEER OF RECORD:					DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS HIGHWAY DIVISION		FROM NE MIAMI AVE TO VENETIAN CAUSEWAY BRIDGE	
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	NAME		DATE	NAME	DATE	NE 15TH ST FROM NE MIAMI AVE TO VENETIAN CAUSEWAY BRIDGE					
														SIGNALIZATION GENERAL NOTES					

CONTROLLER TIMINGS

TIMING FUNCTION		1	2	3	4	5	6	7	8
TIMING FUNCTION	MOVEMENT NUMBER	1	2	3	4	5	6	7	8
	MINIMUM GREEN	EXISTING TIMINGS TO REMAIN							
	EXTENSION								
	MAXIMUM GREEN 1								
	MAXIMUM GREEN 2								
	YELLOW CLEARANCE	3.7		3.4					3.4
	ALL RED	3.3		3.6					3.1
PEDESTRIAN WALK	7		7		7		7		
PED. CLEARANCE	4		9		6		10		
RECALL		MIN				MIN			

TIMINGS ARE INITIAL AND MAY REQUIRE FIELD ADJUSTING AS DIRECTED BY THE ENGINEER

CONTROLLER OPERATIONS

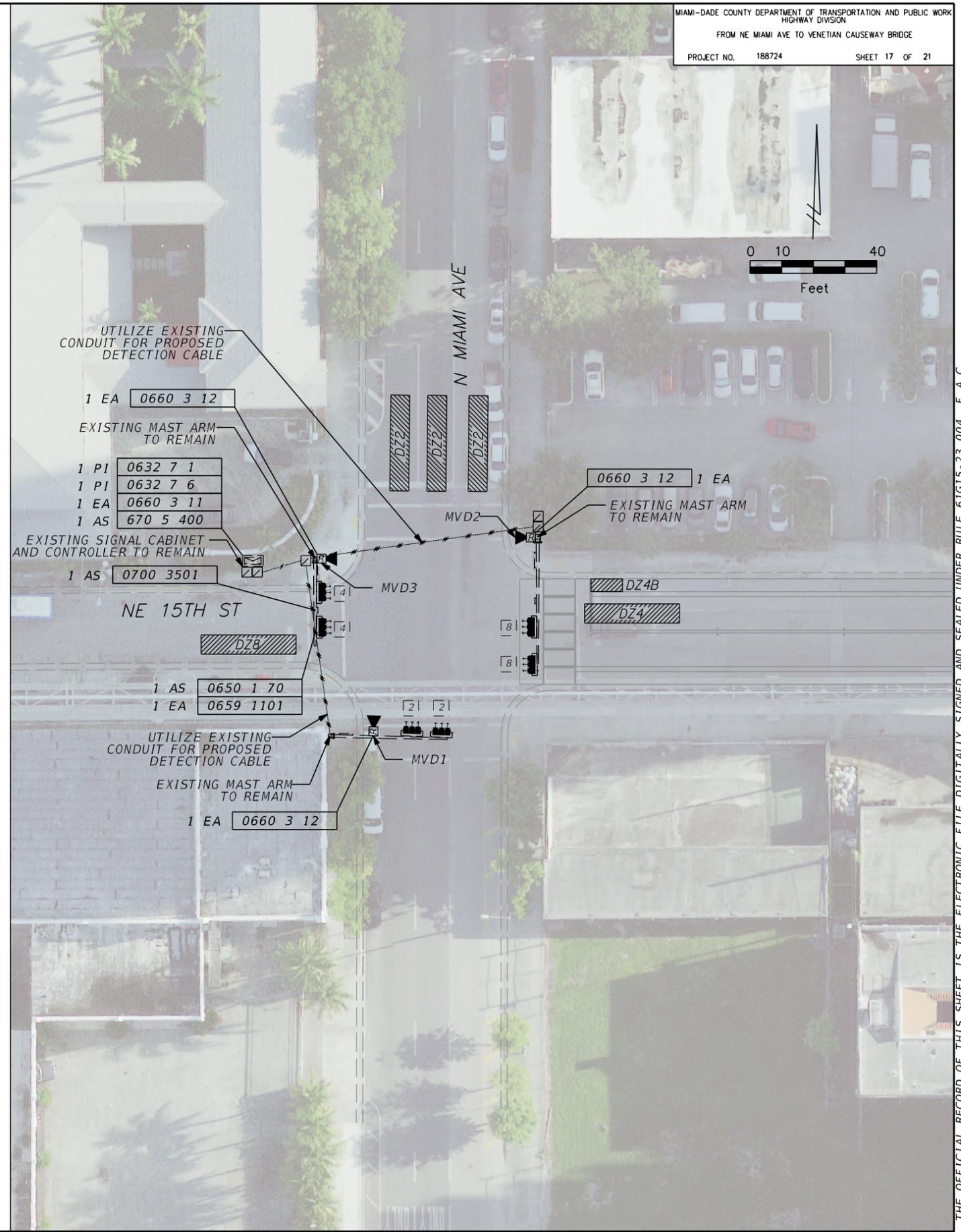
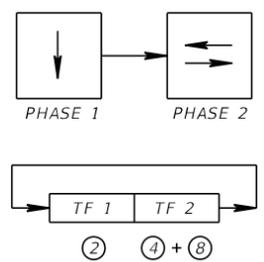
CONTROLLER OPERATIONS
 1. MAJOR STREET IS N MIAMI AVE, MINOR STREET IS NE 15TH ST AVE.
 2. SIGNAL OPERATING PLAN AS SHOWN.
 4. FLASHING OPERATION: 2 YELLOW; 4 & 8 RED.

NOTES

1. ASSUMPTION MADE THAT THERE IS ADEQUATE ROOM IN THE EXISTING CONDUITS OR SPARE CONDUITS IN THE CONTROLLER CABINET TO ACCOMMODATE NEW PEDESTRIAN SIGNAL CABLE.
 2. EXIST. CONDUITS BASED ON AS-BUILT INFORMATION PROVIDED BY MIAMI-DADE COUNTY. CONTRACTOR TO FIELD VERIFY.

VIDEO VEHICLE DETECTION ASSIGNMENTS			
VIDEO DETECTOR	DETECTION ZONE	CONNECT TO TIMING FUNCTION	DELAY TIME (SEC.)
MVD1	DZ 2	TF1	
MVD2	DZ 8	TF2	
MVD3	DZ 4	TF2	
	DZ 4B	TF2	

S.O.P. 1 MODIFIED



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REVISIONS

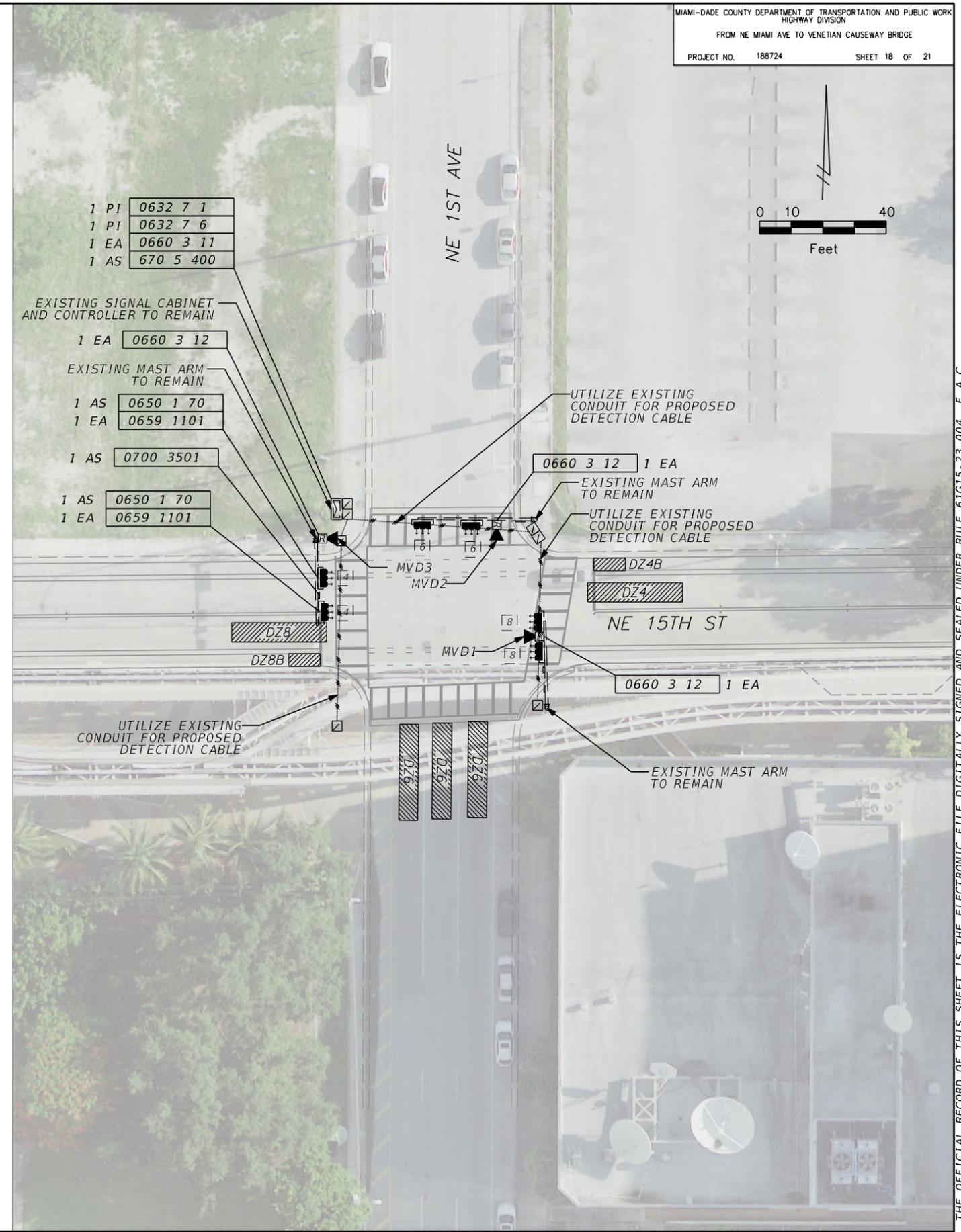
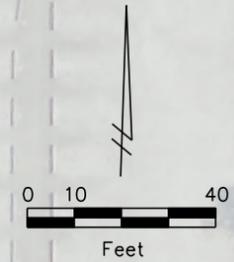
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

wsp
 ENGINEER OF RECORD:
 WSP USA INC.
 7650 CORPORATE CENTER DRIVE,
 SUITE 300
 MIAMI, FLORIDA 33126
 (305) 514-3100
 CODY ROCKSWOLD, P.E. NO.: 72917

NAME	DATE	NAME	DATE
DESIGNED BY		DRAWN BY	
CHECKED BY		CHECKED BY	
SUPERVISED BY			

MIAMI-DADE COUNTY
 DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
 HIGHWAY DIVISION
 STEPHEN P. CLARK CENTER
 111 NW 1 ST
 MIAMI, FLORIDA 33128

NE 15TH ST
 FROM NE MIAMI AVE TO VENETIAN CAUSEWAY BRIDGE
 SIGNALIZATION PLAN



CONTROLLER TIMINGS

TIMING FUNCTION		1	2	3	4	5	6	7	8
TIMING FUNCTION	MOVEMENT NUMBER	1	2	3	4	5	6	7	8
	MINIMUM GREEN	EXISTING TIMINGS TO REMAIN							
	EXTENSION								
	MAXIMUM GREEN 1								
	MAXIMUM GREEN 2								
YELLOW CLEARANCE									
ALL RED			2.9		2.8		2.8		
PEDESTRIAN WALK		7		7		7		7	
PED. CLEARANCE		8		11		8		12	
RECALL		MIN				MIN			

TIMINGS ARE INITIAL AND MAY REQUIRE FIELD ADJUSTING AS DIRECTED BY THE ENGINEER

CONTROLLER OPERATIONS

- CONTROLLER OPERATIONS**
 1. MAJOR STREET IS NE 1ST AVE, MINOR STREET IS NE 15TH ST AVE.
 2. SIGNAL OPERATING PLAN AS SHOWN.
 3. FLASHING OPERATION: 6 YELLOW; 4 & 8 RED.

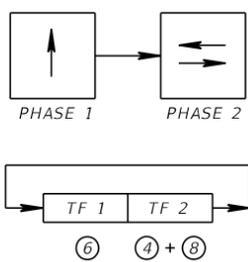
NOTES

1. ASSUMPTION MADE THAT THERE IS ADEQUATE ROOM IN THE EXISTING CONDUITS OR SPARE CONDUITS IN THE CONTROLLER CABINET TO ACCOMMODATE NEW PEDESTRIAN SIGNAL CABLE.
 2. EXIST. CONDUITS BASED ON AS-BUILT INFORMATION PROVIDED BY MIAMI-DADE COUNTY. CONTRACTOR TO FIELD VERIFY.

VIDEO VEHICLE DETECTION ASSIGNMENTS

VIDEO DETECTOR	DETECTION ZONE	CONNECT TO TIMING FUNCTION	DELAY TIME (SEC.)
MVD1	DZ 8	TF2	
	DZ 8B	TF2	
MVD2	DZ 6	TF1	
MVD3	DZ 4	TF2	
	DZ 4B	TF2	

S.O.P. 1 MODIFIED



REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION



ENGINEER OF RECORD:
 WSP USA INC.
 7650 CORPORATE CENTER DRIVE,
 SUITE 300
 MIAMI, FLORIDA 33126
 (305) 514-3100
 CODY ROCKSWOLD, P.E. NO.: 72917

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE



DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
 HIGHWAY DIVISION
 STEPHEN P. CLARK CENTER
 111 NW 1 ST
 MIAMI, FLORIDA 33128

NE 15TH ST
 FROM NE MIAMI AVE TO VENETIAN CAUSEWAY BRIDGE
 SIGNALIZATION PLAN

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CONTROLLER TIMINGS

TIMING FUNCTION		1	2	3	4	5	6	7	8				
TIMING FUNCTION	MOVEMENT NUMBER	1	2	3	4	5	6	7	8				
	MINIMUM GREEN	EXISTING TIMINGS TO REMAIN											
	EXTENSION												
	MAXIMUM GREEN 1												
	MAXIMUM GREEN 2	EXISTING TIMINGS TO REMAIN											
	YELLOW CLEARANCE									3.7	3.7	3.7	3.7
	ALL RED									3.6	3.5	4.0	3.8
	PEDESTRIAN WALK	7	7	7	7								
	PED. CLEARANCE	6	10	7	12								
RECALL	MIN			MIN									

TIMINGS ARE INITIAL AND MAY REQUIRE FIELD ADJUSTING AS DIRECTED BY THE ENGINEER

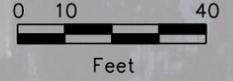
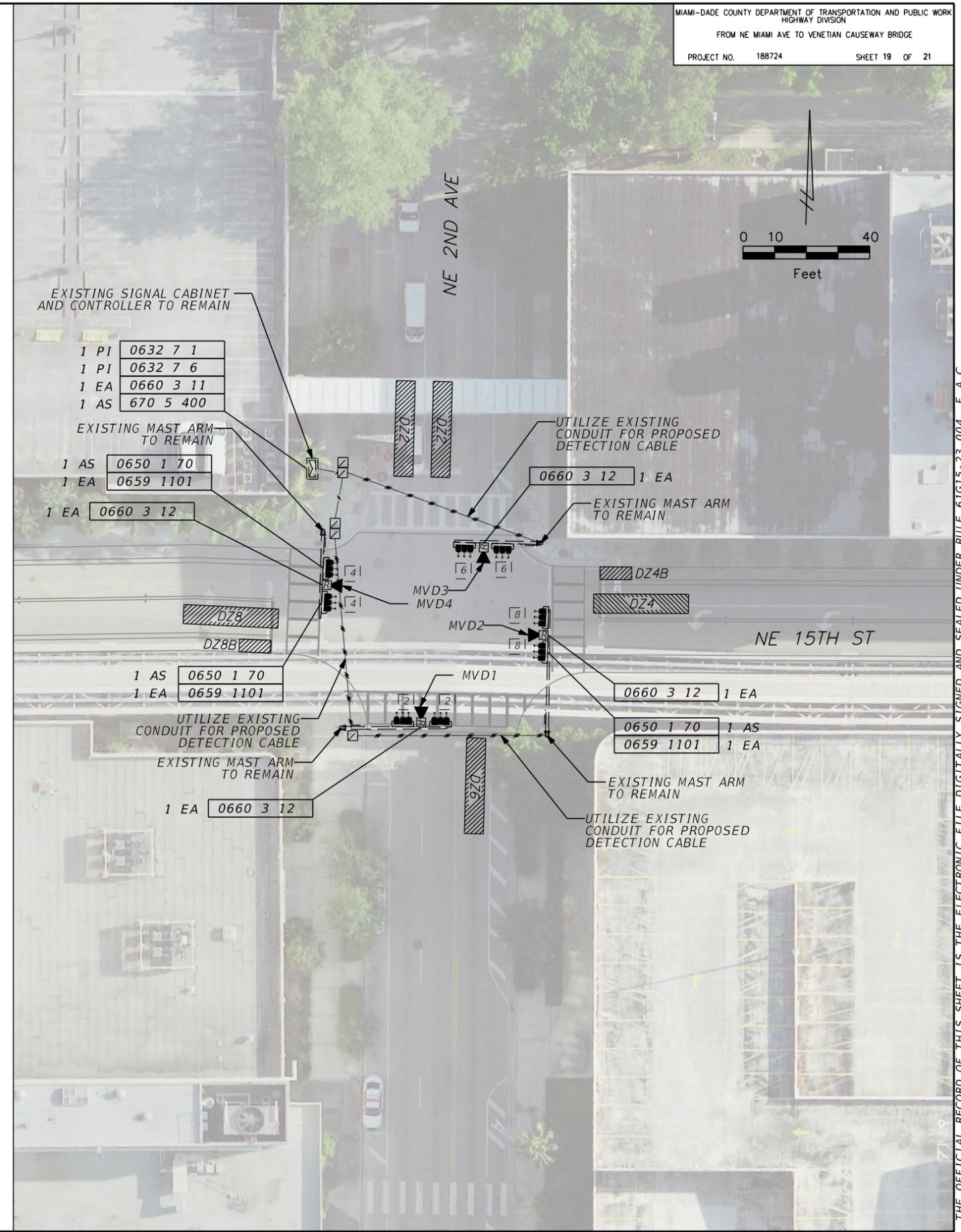
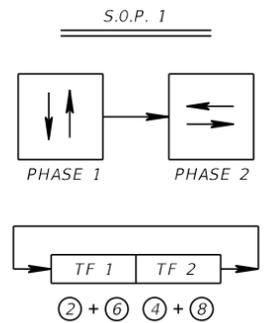
CONTROLLER OPERATIONS

CONTROLLER OPERATIONS
1. MAJOR STREET IS NE 2ND AVE, MINOR STREET IS NE 15TH ST AVE.
2. SIGNAL OPERATING PLAN AS SHOWN.
3. FLASHING OPERATION: 1, 2, & 6 YELLOW; 4 & 8 RED.

NOTES

1. ASSUMPTION MADE THAT THERE IS ADEQUATE ROOM IN THE EXISTING CONDUITS OR SPARE CONDUITS IN THE CONTROLLER CABINET TO ACCOMMODATE NEW PEDESTRIAN SIGNAL CABLE.
2. EXIST. CONDUITS BASED ON AS-BUILT INFORMATION PROVIDED BY MIAMI-DADE COUNTY. CONTRACTOR TO FIELD VERIFY.

VIDEO VEHICLE DETECTION ASSIGNMENTS			
VIDEO DETECTOR	DETECTION ZONE	CONNECT TO TIMING FUNCTION	DELAY TIME (SEC.)
MVD1	DZ 2	TF1	
MVD2	DZ 8	TF2	
	DZ 8B	TF2	
MVD3	DZ 6	TF1	
MVD4	DZ 4	TF2	
	DZ 4B	TF2	



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REVISIONS

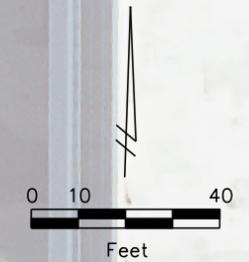
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

wsp
ENGINEER OF RECORD:
WSP USA INC.
7650 CORPORATE CENTER DRIVE,
SUITE 300
MIAMI, FLORIDA 33126
(305) 514-3100
CODY ROCKSWOLD, P.E. NO.: 72917

DESIGNED BY	NAME	DATE	DRAWN BY	NAME	DATE

MIAMI-DADE COUNTY
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY DIVISION
STEPHEN P. CLARK CENTER
111 NW 1 ST
MIAMI, FLORIDA 33128

NE 15TH ST
FROM NE MIAMI AVE TO VENETIAN CAUSEWAY BRIDGE
SIGNALIZATION PLAN



CONTROLLER TIMINGS										
TIMING FUNCTION										
MOVEMENT NUMBER		1	2	3	4	5	6	7	8	
TIMING FUNCTION	MINIMUM GREEN	EXISTING TIMINGS TO REMAIN								
	EXTENSION									
	MAXIMUM GREEN 1									
	MAXIMUM GREEN 2									
	YELLOW CLEARANCE									
ALL RED		3.7	3.4	3.7	3.7		3.4			
PEDESTRIAN WALK		7	7	7	7		7			
PED. CLEARANCE		9	15		8		15			
RECALL		MIN					MIN			

TIMINGS ARE INITIAL AND MAY REQUIRE FIELD ADJUSTING AS DIRECTED BY THE ENGINEER

CONTROLLER OPERATIONS

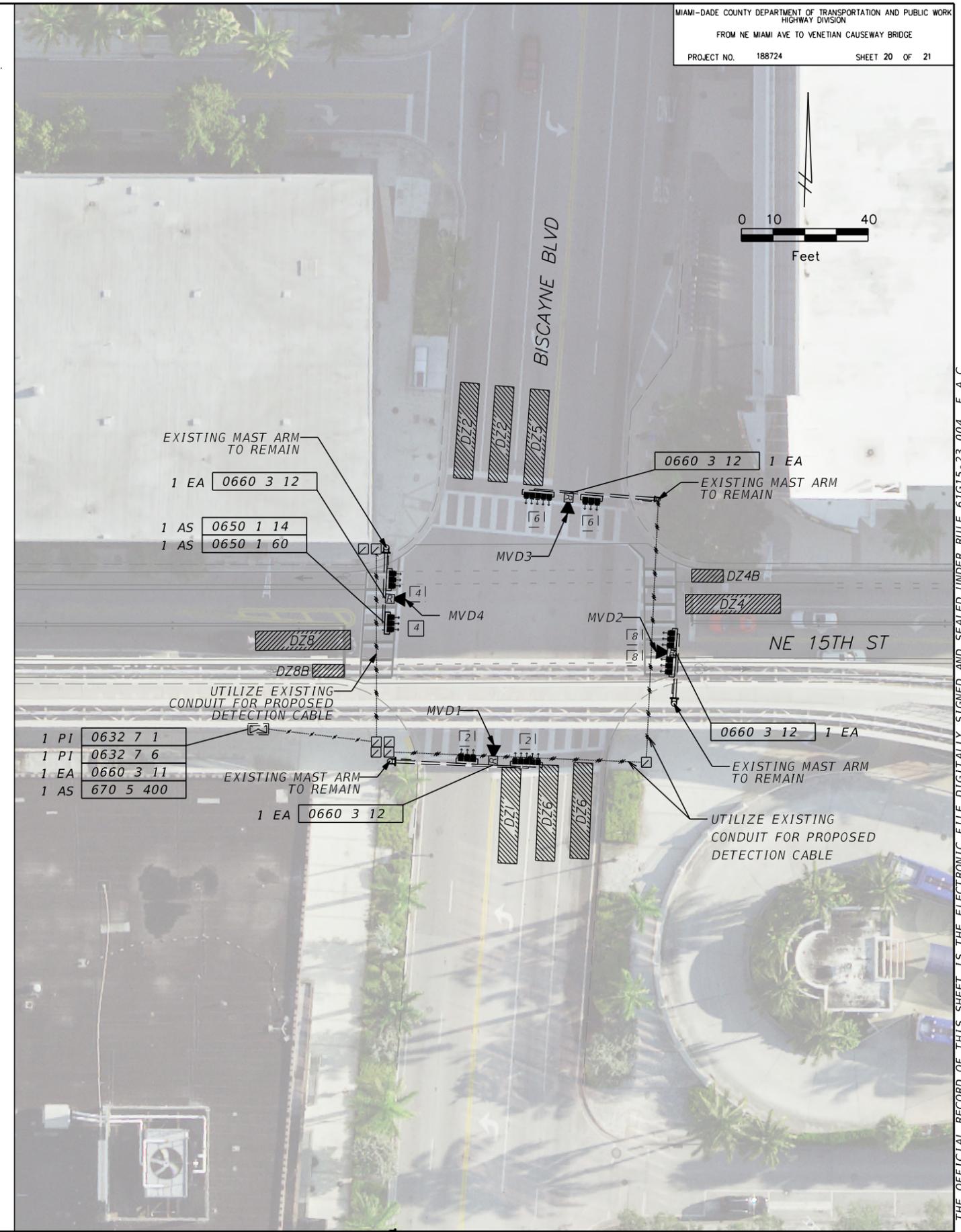
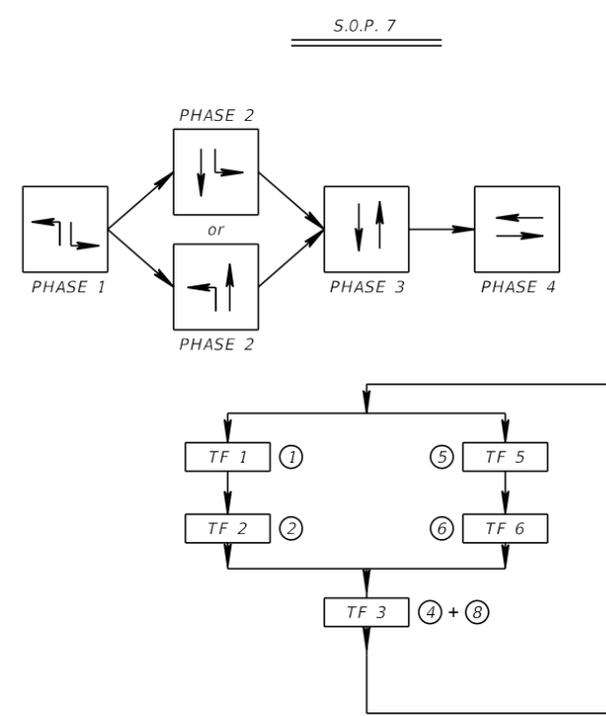
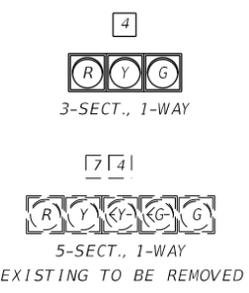
CONTROLLER OPERATIONS
1. MAJOR STREET IS BISCAYNE BLVD, MINOR STREET IS NE 15TH ST AVE.
2. SIGNAL OPERATING PLAN AS SHOWN.
3. MOVEMENTS 1 AND 5 ARE PROTECTED/PERMISSIVE.
4. FLASHING OPERATION: 1, 2, 5 & 6 YELLOW; 4 & 8 RED.

NOTES

1. ASSUMPTION MADE THAT THERE IS ADEQUATE ROOM IN THE EXISTING CONDUITS OR SPARE CONDUITS IN THE CONTROLLER CABINET TO ACCOMMODATE NEW PEDESTRIAN SIGNAL CABLE.
2. EXIST. CONDUITS BASED ON AS-BUILT INFORMATION PROVIDED BY MIAMI-DADE COUNTY. CONTRACTOR TO FIELD VERIFY.

VIDEO VEHICLE DETECTION ASSIGNMENTS			
VIDEO DETECTOR	DETECTION ZONE	CONNECT TO TIMING FUNCTION	DELAY TIME (SEC.)
MVD1	DZ 2	TF2	
	DZ 5	TF5	
MVD2	DZ 8	TF3	
	DZ 8B	TF3	
MVD3	DZ 1	TF1	
	DZ 6	TF6	
MVD4	DZ 4	TF3	
	DZ 4B	TF3	

SIGNAL DETAIL



REVISIONS									
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	

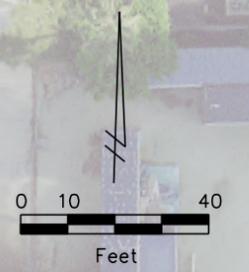
WSP
ENGINEER OF RECORD:
WSP USA INC.
7650 CORPORATE CENTER DRIVE,
SUITE 300
MIAMI, FLORIDA 33126
(305) 514-3100
CODY ROCKSWOLD, P.E. NO.: 72917

NAME	DATE	NAME	DATE
DESIGNED BY		DRAWN BY	
CHECKED BY		CHECKED BY	
SUPERVISED BY			

MIAMI-DADE COUNTY
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY DIVISION
STEPHEN P. CLARK CENTER
111 NW 1 ST
MIAMI, FLORIDA 33128

NE 15TH ST
FROM NE MIAMI AVE TO VENETIAN CAUSEWAY BRIDGE
SIGNALIZATION PLAN

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CONTROLLER TIMINGS									
TIMING FUNCTION		1	2	3	4	5	6	7	8
TIMING FUNCTION	MOVEMENT NUMBER	1	2	3	4	5	6	7	8
	MINIMUM GREEN	EXISTING TIMINGS TO REMAIN							
	EXTENSION								
	MAXIMUM GREEN 1								
	MAXIMUM GREEN 2								
YELLOW CLEARANCE									
ALL RED	3.4	3.4	4.0	3.4	3.4	3.4	3.4	3.4	
PEDESTRIAN WALK		7		7		7		7	
PED. CLEARANCE		13		20		10		21	
RECALL		MIN				MIN			

TIMINGS ARE INITIAL AND MAY REQUIRE FIELD ADJUSTING AS DIRECTED BY THE ENGINEER

CONTROLLER OPERATIONS

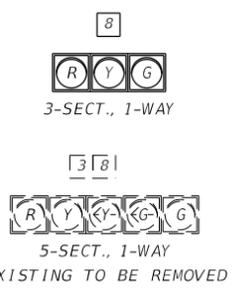
CONTROLLER OPERATIONS
1. MAJOR STREET IS N BAYSHORE DR, MINOR STREET IS NE 15TH ST.
2. SIGNAL OPERATING PLAN AS SHOWN.
3. MOVEMENTS 1, 5 AND 7 ARE PROTECTED/PERMISSIVE.
4. FLASHING OPERATION: 1, 2, 5 & 6 YELLOW; 4 & 8 RED.

NOTES

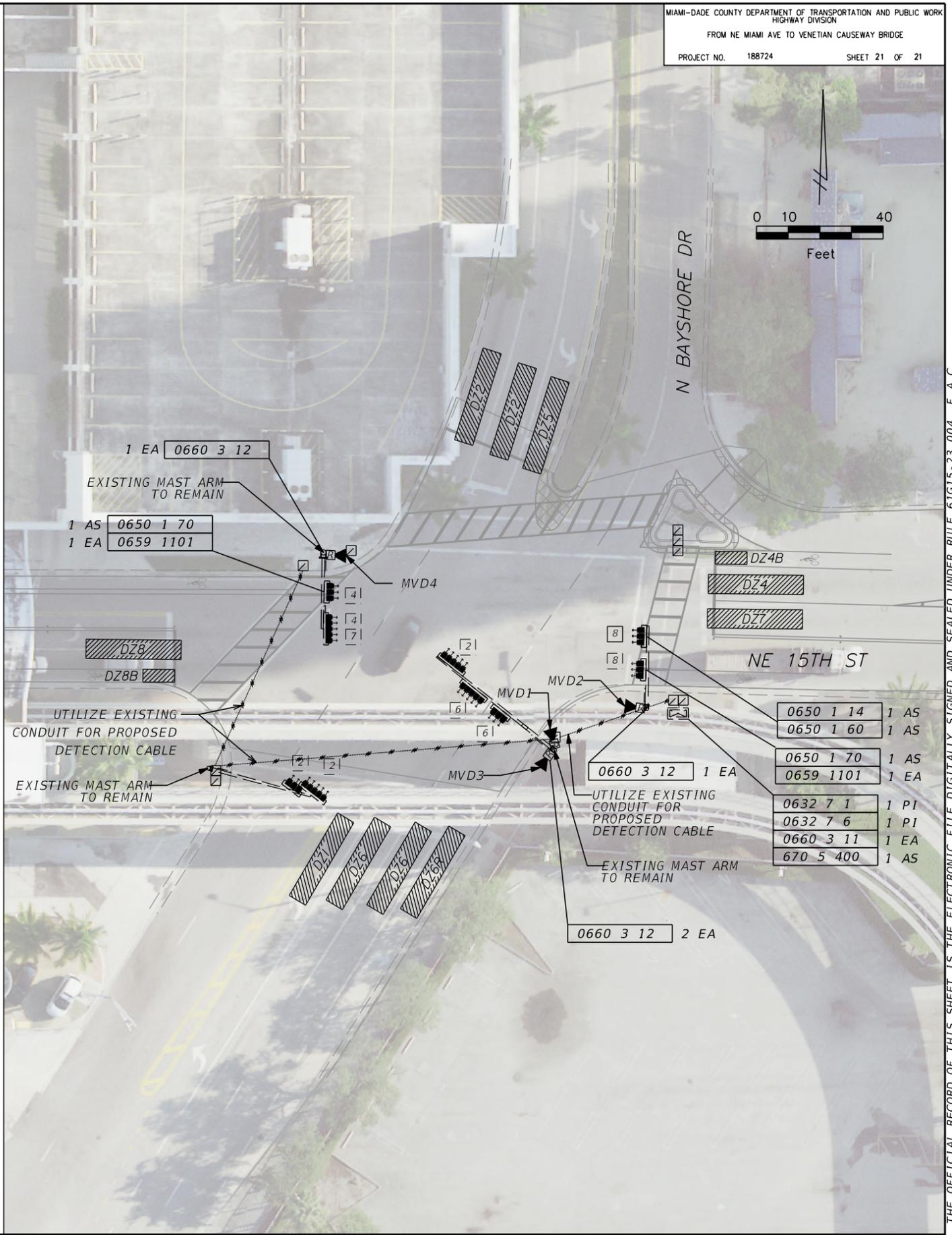
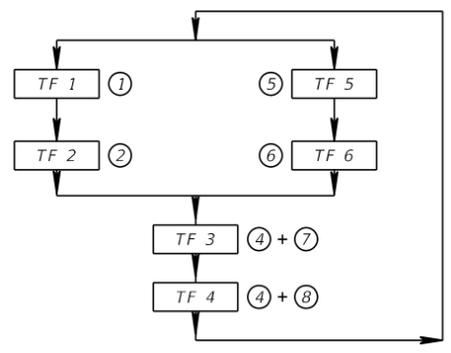
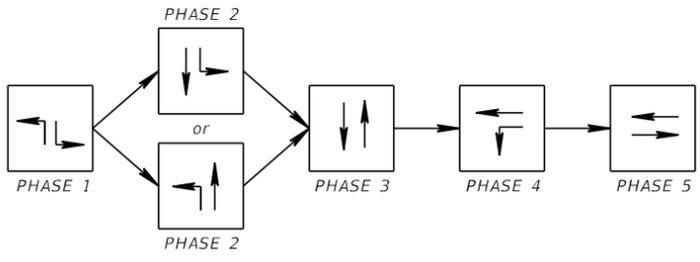
1. ASSUMPTION MADE THAT THERE IS ADEQUATE ROOM IN THE EXISTING CONDUITS OR SPARE CONDUITS IN THE CONTROLLER CABINET TO ACCOMMODATE NEW PEDESTRIAN SIGNAL CABLE.
2. EXIST. CONDUITS BASED ON AS-BUILT INFORMATION PROVIDED BY MIAMI-DADE COUNTY. CONTRACTOR TO FIELD VERIFY.

VIDEO VEHICLE DETECTION ASSIGNMENTS			
VIDEO DETECTOR	DETECTION ZONE	CONNECT TO TIMING FUNCTION	DELAY TIME (SEC.)
MVD1	DZ 2	TF2	
	DZ 5	TF5	
MVD2	DZ 8	TF4	
	DZ 8B	TF4	
MVD3	DZ 1	TF1	
	DZ 6	TF6	
MVD4	DZ 6R	TF6	
	DZ 4	TF3	
	DZ 4B	TF3	
	DZ 7	TF3	

SIGNAL DETAIL



S.O.P. 6



0650 1 14	1 AS
0650 1 60	1 AS
0650 1 70	1 AS
0659 1 101	1 EA
0632 7 1	1 PI
0632 7 6	1 PI
0660 3 11	1 EA
670 5 400	1 AS

REVISIONS								
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

ENGINEER OF RECORD:
WSP USA INC.
7650 CORPORATE CENTER DRIVE,
SUITE 300
MIAMI, FLORIDA 33126
(305) 514-3100
CODY ROCKSWOLD, P.E. NO.: 72917

NAME	DATE	NAME	DATE
DESIGNED BY		DRAWN BY	
CHECKED BY		CHECKED BY	
SUPERVISED BY			

MIAMI-DADE COUNTY
DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS
HIGHWAY DIVISION
STEPHEN P. CLARK CENTER
111 NW 1 ST.
MIAMI, FLORIDA 33128

NE 15TH ST
FROM NE MIAMI AVE TO VENETIAN CAUSEWAY BRIDGE
SIGNALIZATION PLAN

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