

Utilities Notes	Specs	Standards
	Spec Year	Effective
	January 2016 - July 2016	January 2016
For Project Notes and General Notes "as per" references to FDOT Specifications and Design Standards are not permitted. Within the "Design Notes" in the plans "as per" references to FDOT Specifications and Design Standards are permitted.	FDOT Specs	Design Standards
The Contractor shall notify the appropriate utility company two (2) working days in advance of any excavation involving its utilities so that a company representative can be present. Request lighting conduits locations.	8-3.5	
The Contractor shall use hand digging when excavating near existing utilities. Extreme caution shall be exercised by the Contractor while excavating, installing, backfilling and compacting around utilities and he/she will be responsible for damage to a utility that has been properly located. Cost to be including in related bid for the work being done.	7-1, 7-11.5	
As determined by the Engineer, the Contractor will hand dig the first four feet of the hole for the pole foundation and conduit run at locations where underground utilities are in close proximity. They will also hand dig 3 feet at each pedestal location to verify for utilities.		
Above and below ground utilities shall be verified by the Contractor prior to commencing work in the project area. If any utility conflicts are discovered by the Contractor, they will immediately be brought to the Engineer's attention, who shall coordinate the necessary adjustments. In the case of utility conflicts, the landscape will be adjusted, not the utility. The Contractor shall notify owners through Sunshine State One Call of Florida, Inc. (ph.# 811) two (2) full working days in advance of beginning construction on the job site. Refer to roadway plans for a list of known utility providers within the project limits.	7-1, 7-11	
It is the intent of these plans that the proposed equipment to be installed is to be placed in such a manner so as to totally avoid any conflicts with existing utilities along the route. It is the Contractor's responsibility to obtain the necessary information to plan their work within the design or specified parameters, and the specified time frame. It shall be the Contractor's responsibility to locate all aboveground and underground conflicts in advance of the placement of any conduit or other facilities.		
Coordinate with utility agencies/owners per utility work schedules for phasing their respective utility work to avoid conflicts with other works.		
If an OE line de-energization is required during construction, FPL: requires x calendar days of advance notice, and such requests will be approved upon de-energizing availability, such as weather, load.		
The Contractor shall be responsible for contacting the company providing electric power to determine if a service processing fee is required. (if required, the fee shall be reflected in the Contractors Lump Sum bid).		
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.		
The Contractor is to use caution when working in or around areas of overhead transmission lines or underground utilities.	7-11, 715	
The Contractor shall be solely responsible for the location and protection, repair and/or replacement of all utilities that may be affected by the construction of this project.		
The Contractor is to field verify the locations and elevations of all existing drainage structures and pipes prior to ordering casting or placing proposed drainage structures to accommodate field conditions.		
The location of the utilities shown in the plans are based on limited investigation techniques and should be considered approximate only. The verified location / elevations apply only at the point shown. Interpolations between these points have not been verified.		
The Contractor shall coordinate the utilities to arrange relocation and temporary support of utility features, as necessary to complete the work. Any cost involved is to be borne by the Contractor.		
The Contractor shall coordinate a pre signal meeting with FDOT SLAP Team and FPL to field verify location(s) of FPL service point prior to installing conduit, disconnect, and pull boxes.	7-11, 8-3	
The Contractor shall notify the appropriate utility company two (2) working days in advance of any excavation involving its utilities so that a company representative can be present. Request lighting conduits locations.	8-3.5	

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Contractor is responsible to pay FPL all fees to de-energize FPL facility to allow installation of the mast arm poles and foundations.	7-11, 715-14	
Contractor shall prepare accurately dimensioned "as built" plans of final pole, controller, cable and conduit locations. Plans shall be reviewed and approved by Engineer. Cost of such preparation shall be incidental to pay items provided.	556, 611, 630	
Jack and bore operation if used shall meet the requirements of FDOT's Utility Accommodation Guide. (Latest edition)	556	
For utility adjustment symbols See Index No. 002		002

Maintenance of Traffic Notes	Specs	Standards
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Proposed new signal hardware may be used for temporary signal control, to the extent construction phase operations allow. The Contractor is responsible for any damage to all proposed signal hardware during its temporary use.	7,102	
The Contractor shall remove or cover any existing or proposed signs with conflict with the traffic control plans. When the conflict no longer exists, the Contractor shall restore the signs to their original position.	7-11,102	600
Existing street and road name signs on the project are to be temporarily relocated during construction, and kept visible at all times for the facilitation of access by emergency vehicles.		
Any directional arrows, pavement messages or striping removed by the Contractor's operation shall be replaced at the end of each day.		
The Contractor shall be responsible for maintaining the existing signs within the construction limits. A list of the existing signs shall be submitted to the Engineer prior to the beginning of construction. Any signs which are to be removed shall be disposed of by the Contractor. Signs shall be covered or relocated as necessary to avoid conflict per the traffic control plan. When the conflict no longer exists, the Contractor shall restore the signs to their original position. Existing and relocated signs shall be kept visible at all times for the facilitation of access by emergency vehicles. Any damaged or lost signs, as determined by the Engineer, shall be replaced at no additional cost to the Department. Cost of preparing and submitting the list, maintenance, covering and/or temporary relocations of existing signs included in Maintenance of Traffic Pay Item 102-11.		600, 660
Any existing sign that is disturbed during construction shall be reset to current standards for height, offset and method of installation. Cost of this work shall be reflected in the pay item no. 102-1 in the summary of roadway pay items.	7-11, 7-14,102	
The Contractor shall refurbish any existing pavement markings beyond the limits of asphalt construction damaged during construction.		
The Contractor shall coordinate with the following municipalities prior to construction to address schedule of traffic control. _____ County - City of _____	7-11, 8-3, 102	
Throughout the project limits, pedestrian, bicycle and wheelchair traffic will be maintained on at least one side of the project at all times. The travel path will be a minimum of 5 feet wide, smooth but not slick, with a waterproof surface, rumped as necessary for continuity. Temporary travel paths necessary will consist of 2" of hot mix asphalt. Cost included in pay item 102-1.	8-3, 8-4,102	600, 660
On days that school is in session, the Contractor's work schedule within the school zone may be reduced based on actual work activities in the school zone. See Maintenance of Traffic plans for details on the work zone restrictions, if warranted. Any changes in the Maintenance of Traffic work schedules within school zones should be discussed during the mandatory preconstruction / school safety meeting.		
All work required at designated school crossings and pedestrian crossings shall be restored to a safe walkable path between the hours noted in No. 2 above, if any activities are in a school zone.		
Construction activities that involve sidewalks on both sides of the street are not allowed unless approved by the Engineer.	8-3.4, 8-4.2, 8-4.3, 102	
Where safe pedestrian access/walkways cannot be provided, pedestrians should be directed to alternative routes by appropriate traffic control devices. Pedestrian traffic shall be guided maintained using approved warning lights, signing, and channelization devices. Such control devices shall be installed and maintained in accordance with the MUTCD sections on work zone traffic control for pedestrians and Chapter 6D, pedestrian and worker safety. The cost is to be included in pay item no. 102-1, Maintenance of Traffic.	8-3, 8-4,102	
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 a time that the traffic flow has returned to an acceptable level.		
The length of open trench shall not exceed 500 feet. All trenches shall be backfilled completely to provide safe crossing at property access points by the end of each work day or whenever the work zone becomes inactive. As an option, properly anchored vehicular bearing plates may be installed to provide safe crossings at the Contractor's expense.		

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Lane closures for construction of pedestrian ramps and sidewalks shall not extend beyond the limits of these improvements except to provide a safe transition area on the approach to the work zone. The Engineer shall adjust the length of the lane closure at his discretion. Cost to adjust pedestrian ramps and sidewalk transitions during construction, as noted, shall be included in pay item nol. 102-1 Maintenance of Traffic.	8-4,102	600, 660
The Contractor shall implement side street detour only when side street is blocked by active construction activities. Side street access shall be maintained at all other times.	102	
Temporary driveway connections shall be constructed with commercial material for driveway maintenance at a profile equivalent to the existing driveway profile.		
No road crossing or entering the project shall be unduly restricted unless otherwise approved by the Engineer.		
The Contractor shall remove any existing or proposed pavement markings (paint/thermoplastic) that conflict with the traffic control plans. When the conflict no longer exists the Contractor shall restore pavement markings to their original position.		
Existing sidewalk, pedestrian, bicycle and wheel chair traffic must remain usable and accessible, or alternate accessible paths must be provided. They shall be maintained at all times throughout the project limits.		
All properties shall have access at all times. This will require coordination with the property owners and/or residents. If a driveway closure is necessary, the property owner and/or resident shall be notified fifteen working days in advance of the closure in addition to the location of the temporary access. If the property has more than one driveway, at least one driveway shall remain open to maintain access. This shall be included in pay item no. 102-1 9 Maintenance of Traffic.	102	
The Contractor shall install construction signing prior to commencement of construction and maintain signing during all phases of construction.		
The provisions for traffic disruption which are not shown by the traffic control plan, but which are necessary to construct the project, shall be submitted in writing to the Engineer for review and approval. Contractor shall be required to have an approved TCP plan 21 days prior to commencement of work. Submittal material shall include sketches, calculations and other data required by the Engineer.		
Prior to implementation of any lane or road closure, the Contractor shall notify the FDOT District 4 Operations Center at least 14 working days prior to closure.		
Includes all costs for removal and clean up of debris and sediment that has been tracked by construction vehicles within the project limits. Includes all costs of maintaining passenger access to Palm Tran bus stops within project limits and providing approved temporary bus stop location, if necessary during construction. Includes all costs of installation of permanent bus stop signs (provided by Palm Tran). Includes all costs for temporary shoring for construction of drainage pipe and structures and water main installation.		
The Contractor shall maintain safe vehicular access to all adjacent property at all times and shall maintain accommodations for intersecting and crossing traffic. No road or street crossing shall be blocked or unduly restricted as determined by the Engineer cost to be included in Bid Item 102-1 Maintenance of Traffic.	102	
All existing trees/plants within the project limits that are to remain shall be protected as per Index 544. Costs to be included in pay item no. 102-1		
Maintain and keep street name identification visible during construction in order to facilitate emergency vehicle traffic.		
The Contractor shall erect business entrance signs per Standard Index 600.		
Traffic Control Plan for this project shall be maintained in accordance with FDOT Design Standards, Index 600 series.		
Traffic Control shall be in compliance with the latest edition of the FDOT Design Standards - 600 Series, the Standard Specifications for Road and Bridge Construction, and the Manual of Uniform Traffic Control Devices (latest edition) as minimum criteria.	600	
Unless otherwise noted in the technical specifications: installation, acceptance, and payment for all items required in these plans shall be in accordance with the current editions of the following, referenced in the key sheet: Manual on Uniform Traffic Control Devices (MUTCD) (latest edition) _____ County minimum standards, Broward County Traffic Engineering Division standards and specifications, and any or all Broward County Traffic Engineering requirements that meet or exceed those found in the above referenced documents.		

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Use of black paint to cover existing and/or temporary pavement markings is prohibited. Match existing pavement markings at the beginning and at the end of the project and at all side streets. Pavement markings needed for extending and refurbishing damaged existing pavement marking as a result of construction activities shall be included in lump sum bid. Costs for removal and replacement of existing crosswalk pavement markings to match new ADA ramp locations shall be included in lump sum bid.	102	600		
The Maintenance of Traffic plan shall include provisions for pedestrian traffic as well as vehicular traffic.				
Signs shall be covered when not in compliance with or in conflict with pavement markings.				
The Contractor shall provide temporary pavement markings indicating lane lines and storage areas for turning movement, arrows and pavement messages to completely define traffic lane usage during and at the end of the days operation and during the curing period for the new pavement.				
Drop offs: Contractor shall only excavate the area of widening or reconstruction that can be brought back within the drop-off criteria of Standard Index 600 within the same work period.				
The number of devices shown on these plans is for illustration purposes. Additional devices may be required to properly protect the workers and work zone from vehicular traffic.	102	600		
Any drop off in the area adjacent to the travel way shall be protected by the appropriate method as required by Index 600 (PAGE 10 OF 13). All costs associated with this requirement shall be included in pay Item 102-1, Maintenance of Traffic, at the end of each work day or when ever the work zone becomes inactive, any drop-off adjacent to the subject travel paths shall be back filled flush with the travel path or shall be protected with barricades, temporary barrier wall, or approved handrail as per Index 600. Cost of items not included in contract shall be included in Pay Item 102-1, Maintenance of Traffic.				
During the time the Contractor is restoring all malfunctioning traffic signal equipment, the Contractor shall provide, at his expense. Temporary traffic control devices and flagger personnel as necessary will be provided to maintain a safe and efficient flow of traffic at the affected and unsignalized intersections.				
The alteration of travel ways to create a work zone shall not commence until all labor and material are ready for the construction in that zone.				
Each existing street name and stop sign affected by construction shall be maintained in an appropriate location for the duration of the project. When no longer affected by construction, these existing signs shall be removed and replaced with the proposed assemblies. Cost of temporarily relocating the existing signs shall be included in pay item 102-1, Maintenance of Traffic.				
The pedestrian, bicycle and wheelchair traffic will be guided and maintained using approved warning lights, signing and channelization devices. Such control devices will be installed and maintained in accordance with FDOT Specifications, Standard Index no. 660 and the MUTCD. Cost included in item 102-1.			660	
At the end of each work day or whenever the work zone becomes inactive, any drop off adjacent to the pedestrian, bicycle and wheelchair traffic will be backfilled flush with the said paths or protected with barricades or temporary barrier wall. Cost of backfilling, barricades, and temporary concrete barrier wall shall be included in pay item no. 102-1, Maintenance of Traffic.			102	600, 660
Contractor shall not store equipment within the clear zone during construction activity period, the Contractor shall limit the storage of equipment to the work zone area and within the right of way.				
Temporary crash cushions shall be used at locations indicated in the plans or as necessary per Index series 600. Temporary crash cushions shall be optional redirective crash cushions.				
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 feet on tangent beyond each end of the transition, shift, or crossover. Exception shall be through intersections where 2' - 4' skip lines will be placed.				
The Contractor will use 1:4 shoulder taper detail in accordance with Index 600 sheet 10 of 13 to protect any drop off adjacent to the roadway during non work operations.				
The location of all traffic control devices shown in the plans in approximate only and shall be adjusted by the Contractor to meet actual field conditions.				

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The Maintenance Of Traffic for this project shall be in accordance with the latest edition of the FDOT Design Standards. Details for signs, pavement markings, barriers. are not all inclusive with the TCP plans. The standard Index 600 series shall be referenced for specific traffic controls and lane closures or detours.	102	600,600
Contractor shall maintain a minimum shifting taper length before shifting travel lanes, where: $x = ws^2/60$ 'w' is the width of lateral transition in feet 'S' is the posted regulatory speed for the work zone.	102	600, 660
Traffic disruptions which are not shown on the traffic control plan, but are necessary to construct the project shall be submitted in writing to the Engineer and approval shall be obtained ten (10) working days prior to the commencement of work. Submittal material shall include sketches, calculations and other data required by the Engineer. The cost is to be included in pay item no. 102-1, Maintenance of Traffic.	102-4	
The Contractor shall maintain a minimum of two lanes in each direction at all times during construction. The Engineer may adjust lane closure times if conditions warrant.	102-5	
Existing communications or command wire connections shall be maintained at all signalized locations during construction. This shall include interconnect, bridge preemption, flashing beacons, and fire preemption. Contractors shall provide temporary lines and connections if necessary.		
The Contractor shall maintain on line communication to existing or temporary signalization via interconnect or phone line during construction. Contractors shall provide temporary lanes and connections if necessary.		
Provide at least one safe, walkable path throughout the construction zone. If the existing current walking surfaces cannot be maintained, then a temporary path, a minimum of 4 foot wide, shall be provided and delineated. Temporary paths shall be delineated by a 4 foot high orange construction fence for the entire length of the temporary walk path. The path shall meet all ADA requirements. The Contractor shall also install and modify any additional pavement, signing, markings or pedestrian signals as needed in conjunction with the temporary path. Path and orange fence shall be paid for under 102-1 maintenance of traffic pay item.	102, 527	600, 660
Removal of existing and/or temporary pavement markings shall be accomplished by water blasting.	102, 710, 711	
Apply shoulder treatment to any drop-off conditions per Index 600 prior to the end of the work period.		600
The minimum lane width shall be 10 feet.		

Erosion Control Notes	Specs	Standards
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The Contractor shall be responsible for the immediate removal of storm water from the roadways utilized for maintaining traffic in a manner approved by the Engineer. Cost to be included in pay item no. 102-1 Maintenance of Traffic	102-5	
All erosion and sediment control items shall be removed at the completion of the project.	104	
Take measures to ensure to cleanup of sediment that has been tracked by construction vehicles within the project limits. Install erosion control devices to ensure sediment does not enter the existing or proposed drainage systems and adjacent properties.		
All disturbed areas within the project limits are to be sodded. The replacement sod shall be of the same type as the existing sod. All areas outside of the clearing and grubbing limits that are disturbed by the Contractor shall be replaced at the Contractor's expense.		
All existing drainage structures shall be protected from sedimentation during construction operations according to the DEP Florida, Erosion and Sedimentation Control Inspector Manual, Section 4.5 storm drain inlet protection.		
Refer to Standard Index 001 and 002 for standard abbreviations and symbols, respectively.		001 and 002

Environmental Notes	Specs	Standards
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The Contractor is advised that any dewatering within one mile of an EPA Super Fund site or a landfill requires a general or individual water use permit from the SFWMD. It is the Contractor's responsibility to determine if construction lies within these limits and to acquire all necessary permits. The location of known EPA Super Fund sites and landfills near the project limits are accessible from the following sources: Environmental Protection Agency, _____, http://www.epa.gov/enviro/cleanups/ , Waste & Recycling Services of _____ County.	6-5.3	
All activities requiring well -pointing or other pumping of groundwater or surface water will need to be coordinated with the District Construction Environmental Coordinator (DCEC) in order to insure all aspects of the NPDES permit requirements are fulfilled. A SFWMD general dewatering permit may be required. The DCEC can be reached in the District Office by calling (954) 777-4665. An additional permit may be needed dependent upon the Contractors' approach to certain aspects of the project.	7-1	
The corridor is within the core foraging area for wood storks. A federally protected species. The wet swales and/or wetlands adjacent to the roadway provide, suitable foraging habitat for the wood stork and must not be impacted by construction activities, such as staging and stockpiling or mechanical disturbances except as specifically called for in the plans and the U.S. Army Corps of Engineers Permit.		
The adjacent undeveloped parcels along the corridor are known to provide habitat for burrowing owls (<i>Athene Cunicularia</i>). If any work outside of the FDOT Right of Way is proposed please contact the PL&EM Office (954)777-4339.	7-1.4	
The Contractor shall take all the necessary precautions to avoid any impacts to wetlands. Impacts to mangroves are limited to canopy trimming. Attempt shall be made by the Contractor to avoid trimming by tying back the branches during construction. A certified mangrove trimmer shall be present while performing tasks requiring mangrove trimming. The Contractor shall coordinate with the District Construction Environmental Coordinator (DCEC) at (954) 777-4665 at least 14 calendar days prior to performing activities that could impact mangroves and wetland lines.	7-2, 104	

Landscaping Notes	Specs	Standards
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As part of an FDOT construction project, any privately owned irrigation systems found inside FDOT right-of-way shall be capped by the Contractor where this system is impacted by the project construction limits, as directed by FDOT Project Engineer. It shall be the responsibility of the Contractor to notify the adjacent property owners at least 30 days in advance, where the irrigation systems are found to ensure all salvageable material can be retrieved by the property owner prior to construction.	1, 4-6, 7-4	
Contractor shall place pre and post emergent herbicide on all proposed plant beds. Contractor shall provide herbicide submittal for approval. Contractor shall have applicator license with current right of way endorsements .	7-1, 580	
Maintenance care: existing plants to remain with project limits are to be maintained during the construction period and through one year maintenance. Keep existing plants watered, fertilized, mulched, and free of undesirable weeds, pruned, and treated for pests and diseases as necessary, to assure that the existing plants are maintained so that they are healthy and vigorous. Provide maintenance plan at pre-construction meeting for review and approval by the Engineer. Maintenance care to be included in 101-1 Mobilization.	101, 580	
Contractor shall refer to traffic control plan sheet for landscape installation Maintenance of Traffic.	102	
PLANTING SOIL: In order to maintain Florida Department of Agriculture's Grades and Standards for Nursery Plants Florida Number 1 or better, its recommended to provide a consistent mix of 40% muck (weed-free organic material) / 50% Sand/ 10% Peat. The planting soil mix should be blended with the loosened native soil backfill at a 50/50 ratio. A "non-soluble wetting agent" per manufacturer's recommendation to be added to all trees and palms at time of planting." Ensure that all pavement, stones over 1", road base, and other material that is unsuitable for plantings is removed from all plant bed areas, sod areas and all plant pit areas. All transplanted palms will receive a premixed, dry granular fungi inoculant compound consisting of endo- and ectomycorrhizal fungi, beneficial bacteria, trichoderma, organic microbial nutrients, and a horticultural grade gel to be mixed in the backfill of planting. Follow manufacturer's recommendations for application methods and rates and provide satisfactory evidence to the Engineer, that these soil amendments have been purchased and utilized prior to proceeding with plant installation Hand watering is required by the Contractor to establish transplanted palms. The Contractor shall determine watering schedule and rate to ensure the healthy establishment of all transplanted palms. Transplanted palms that die must be replaced by the Contractor, at no cost to the Department.	162, 580, 987	505, 544
The location of plants, as shown on the landscape plans are approximate. The final locations may be adjusted to accommodate unforeseen field conditions, to comply with safety setback criteria, to avoid creating unsafe sight conditions, or as otherwise directed or approved by the Engineer.	580	
Onsite plant deliveries shall occur on Monday through Thursday only unless otherwise directed by the Engineer. The Contractor shall ensure that plant material is delivered undamaged from transportation or digging operations. The Engineer may reject material that has been damaged or render unacceptable due to relocation or transportation from the point of origin. All plant material shall be available for inspection and approval by the Engineer prior to installation.		
The payment of water bills pertaining to the irrigation will be the responsibility of the individual municipality maintaining said system throughout the construction and warranty periods.		
Contractor shall hand dig around existing trees during installation of shrubs to ensure health and safety of the trees. Contractor shall be responsible for dead or declining trees if determined damage was due to installation of shrub material. Contractor shall submit in writing to the Engineer prior to installation declining health of any existing trees.		
New planting soil shall be provided for all planting areas.		
No substitutes on varieties listed will be allowed without written approval from the Engineer.	580	

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All existing trees located within the medians will be trimmed to be limbed up" to a minimum of 8.5' from roadway grade within the median and 16' within the roadway and clear zone area and as directed by the Engineer. All pruning work shall be completed by an arborist that has a current certification from the International Society of Arboriculture (ISA) and in accordance with the American National Standard Institute (ANSI) A300 standards. All costs associated with this trimming shall be included in the costs for clearing and grubbing, (pay item no. 110-1-1). Includes the cost of relocating all newspaper vending machines within the limits of proposed sidewalk construction to the existing back of sidewalk adjacent to the proposed work.	580	
Installation work to be performed by a Contractor certified by the Florida Nurserymen, Growers and Landscape Association (FNGLA) as a certified landscape Contractor. Any pruning to be supervised using American National Standard Institute ANSI A300 standards by a certified arborist, certified by the International Society of Arboriculture (ISA) and licensed in Broward County.		
Locations of transplanted palms, as shown on the plans, are approximate. The final locations may be adjusted to accommodate unforeseen field conditions, to comply with safety setbacks, or as otherwise directed or approved by the Engineer. The Contractor shall flag all proposed tree locations to the extent requested by the Engineer for his or her approval prior to planting.		
Contractor shall remove a depth of 24 of existing material (6" from back of curb) from designated plant beds prior to planting and replace with planting soil. Planting soil to be weed free mix of 80% sand and 20% muck that is free of rock and debris; and where there is a discrepancy either in quantities, plant names or specifications between the plan and or plant list, the plan takes precedence. Contractor shall not excavate within the drip line of existing trees.	580	544
All existing trees are to remain unless otherwise noted in the plans. Existing trees within the project's construction limits that are to remain and shall be protected per Index 544. Keep all existing trees watered, fertilized, mulched and pruned as necessary to assure that the existing plants are maintained so that they are healthy, vigorous and undamaged through the duration of the project construction periods and landscape warranty period. Any damaged trees shall be replaced in kind at no additional cost to the Department.	580, 7-11, 7-14	544
MULCH: A consistent 3 layer of shredded Melaleuca Grade B mulch or better shall be spread over all existing and/or planting beds per Index 544 (except within 6" of plant trunks) All mulch beds shall extend to bedline shown on plans.	981, 987	544
"FERTILIZATION: : In order to maintain Florida Department of Agriculture's Grades and Standards for Nursery Plants Florida Number 1 or better, the following is recommended: Provide at a minimum, one (1) application at time of planting and two (2) applications per year. A schedule of fertilization based upon the Manufacturer's recommended rates shall be submitted by the Contractor at the pre-construction meeting. AT TIME OF PLANTING: Recommend a fertilizer composition of 20-10-5 plus minors, in tablet form. When fertilizing with tablets do not place tablets in bottom of hole but place 1/3 from the bottom of the root ball as per manufacture's specification."	982	
Includes the cost to furnish, install, and remove the tree protection barricade as per Index 544. Pay item is located in roadway set component.		544
The plant pit for transplanted palms shall be dug 24" (min.) Wider than the root ball and be backfilled to within 18" of existing grade with clean white sand. The top 18" of the planter pit shall be filled with a mixture of clean white sand and recycled mulch. Provide an earthen tree ring, mulched per specification. Contractor shall stake all palms in accordance with Index No. 544 except 4x4 braces shall be utilized instead of 2x4 braces.		544
The Contractor shall adhere to all current FDOT Standard Specifications for Road and Bridge Construction as amended by contract documents & Index 544, 546 and 700 of the design standards unless otherwise noted.	FDOT Specs	544, 546, 700

Signalization Notes	Specs	Standards
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It should be noted that no test borings were made where conduit runs are to be installed by jacking or trenching. It will be the Contractors' responsibility to examine job site conditions before submitting bid proposals in accordance with Section 2-4 of the FDOT Specs.	2-4	
Contractor shall have the approved shop drawings available on the project site.	5-1.4	
Contractor shall ensure mast arm structure and a controller cabinet are location within the R/W.	7-4	
A given pole location shall be field verified and identified as free of conflicts and/or objects by the Contractor prior to procurement and/or installation of the associated poles.	7-11	
The Contractor shall hand dig the first 4' at each pole location and the first 3' at each pedestal location to verify no utility conflicts.		
Any existing pull boxes and communications cable damaged during construction shall be replaced in kind at the Contractors' expense.	7-11, 7-14	
All existing signalization equipment to remain is assumed to be in good working order unless _____ is notified in writing prior to the start of construction. Any subsequent damage to the signal equipment shall be repaired by the Contractor at the Contractor's expense.	2-4, 7-11, 611-5	
Thirty days prior to the beginning of construction the contractor shall notify the special projects coordinator at Broward County Traffic Engineering Division (954)847-2671 to arrange a pre-construction / school safety y meeting.	8-3.5	
The Contractor shall provide all necessary equipment including a two-man bucket or platform lift truck for the use by the Engineer during inspection of traffic signals.	101-1	
During the time the Contractor is restoring all malfunctioning traffic signal equipment, the Contractor shall provide, at his expense, temporary traffic control devices, flagger personnel, and law enforcement personnel as necessary to maintain a safe and efficient flow of traffic at the affected signalized and signalized intersections.	102	600
The Contractor will maintain online communications of existing or temporary signalization via interconnect communications cable or Telco phone lines during construction. Contractor will provide temporary lines and connections as necessary. A time-based coordination (TBC) system is to be utilized only if provision of the temporary lines is not feasible. The development and implementation of the TBC program is to be performed by the Contractor with oversight of a Traffic Engineer registered in the State of Florida. Cost of maintaining communications with the central site including temporary lines and connections, will be paid for under the Maintenance of Traffic pay item 102-1. All reported malfunctions of the communications system will be responded to by the Contractor within two hours and will be repaired within twenty four hours. If the Contractor is required by the Engineer to make modifications to the traffic signal operations such as recall or timing changes, phase omissions or changes to the operating plan, these changes must be reported to the _____ County Traffic Superintendent, prior to their implementation.		
At all intersections proposing video detection, vehicle detection system must be hooked up as TS2 (SDLC). All video detection will be installed and made operational prior to commencing any operations that could damage the existing pavement loops. At all intersections proposing loop detection, Contractor will maintain continuous operation of the existing pavement loops, until the commencement of the start of milling and resurfacing operation. If any existing loops at the above- mentioned locations are damaged prior to the start of milling and resurfacing operation, the Contractor will be responsible to repair and restore the damaged loop(s) to its level of operation within twenty-four (24) hours of reported damage. The cost for repairs of respective loop assemblies will be included in pay item 102-19 Maintenance of Traffic.	102, 611, 660	17781

Signalization Notes	Specs	Standards
	Spec Year	Effective
	January 2016 - July 2016	January 2016
All work which will not be readily visible upon completion shall not be concealed until an approved inspection. In the event that items are concealed, it will be the contractors responsibility to expose the questioned item(s) for the inspectors approval. This includes, but is not limited to: 1) buried or imbedded conduit, 2) ground wire, rods, and array, 3) All meg ohm and continuity testing shall be done in the presence of the county inspector.	611	
The Contractor shall provide (5) five copies of marked up (as-built) construction plans, and one CADD file of such, 7 days prior to final inspection by the maintaining agency. The Contractor shall be required to become familiar with and comply with BCTED's inspection procedures.	611	
All final inspections are to be scheduled in accordance with contract documents. _____ County shall be provided a 30 day advance notification for final inspection of the signal system.		
The contractor shall provide four copies of marked-up (as built) construction plans, and one CADD file of such, (7) seven days prior to the signal inspection by the maintaining agency.	611-2.3.1	
630-2-12 All directional bore conduit shall be HDPE SDR II.	630-2.1	
All splices of loop wire to lead-in cable shall be located in pull boxes and soldered and taped with a waterproof coating applied in a manner approved by the Engineer.	635	17700
Offsets to poles, cabinets and pull boxes are to the center of those items. The location of all proposed equipment to be installed shall be considered to be approximate. Field adjustment of all proposed equipment may become necessary to accommodate existing field conditions. Variations from the proposed location must be pre-approved by the County in writing.	635	17700
A metal pull wire shall be installed within any unused conduit and spliced within the pull box to provide electrical continuity.		
639-11-23 - to include all fees by the power company for energizing the power service and includes the cost of providing 8' concrete stub pole to mount signal disconnect when not permitted to be mounted on power company pole.	639	17736
646-1.11 All pedestals shall be provided with transformer bases.	646	
660-2-102 - Includes the cost of loop lead-in cable for all stop bar and advance loops	660	
The Contractor shall make all loop detectors installed as part of the project fully operational in accordance with their associated isolated intersection signal timing chart within 24 hours of their installation.	660	17781
Final locations of all cabinets shall be approved by the Engineer prior to placement of the foundation if the location has changed from the plan.	676	17841
It is the Contractors responsibility to review the placement of the video image detection devices and coordinate with the Engineer to determine the most optimal location for the installation of the video image detection devices in order to meet the performance requirements of the technical specifications as described on the Broward County Traffic Engineering Division website.	682	
All electrical work associated with light pole installation shall be in accordance with the latest National Electrical Safety Code (N.E.S.C.).	715	
Pulling instructions: connect pulling devices to copper wire and not to jacket and meet manufacturer's requirements. Use pulling compound per manufacturer's requirements. All bends shall not be less than recommended by N.E.C. or N.E.S.C. for cable used.	715	

Signalization Notes	Specs	Standards
	Spec Year	Effective
	January 2016 - July 2016	January 2016
All workmanship and materials will conform to the FDOT Standard Specifications for Road and Bridge Construction (latest edition), FDOT Design Standards (latest edition), FDOT minimum specifications for traffic control signals and devices (latest edition) and the Manual on Uniform Traffic Control Devices (MUTCD), (latest edition)	specs	standards
Contractor shall build new electrical power service and disconnect on a concrete monument at a minimum of 8' feet height.		17736
Pull boxes shall be placed behind curb and gutter. If there is no curb and gutter, then pull boxes shall be placed at least 10 feet from the edge of pavement. Pull boxes shall not be located at the bottom of any ditch or retention area/pond. Pull boxes installed along a sloped surface shall match the slope of the existing surface. Contractor shall pour concrete apron around pull boxes in grass areas in accordance with Standard Index. Pull box shall not be placed in any portion of curb cut ramps.		17700
The Contractor shall install new pedestrian detector assemblies 3'-6" above sidewalk above grade per Standard Index 17784.		17784
COMMUNICATION NOTES		
A. THE AGENCY RESPONSIBLE FOR MAINTENANCE OF THE TRAFFIC SIGNALS AND RELATED EQUIPMENT IS BROWARD COUNTY TRAFFIC ENGINEERING DIVISION (BCTED). ALL SYSTEM COMMUNICATIONS EQUIPMENT, CABLING AND REALTED (sic) MATERIAL SHALL COMPLY WITH BROWARD COUNTY'S LATEST EDITION OF THE MINIMUM STANDARDS AS EXPRESSED IN THE "STANDARDS AND SPECIFICATIONS - COUMUNICATION INFRASTRUCTURE" DOCUMENT. PLEASE REFER TO (BCTED'S) COMMUNICATIONS POLICIES AND PROCEDURES FOR ADDITIONAL INFORMATION. BROWARD COUNTY TRAFFIC ENGINEERING DIVISION WILL NOT ACCEPT ANY PROJECTS THAT DO NOT MEET THESE STANDARDS AND SPECIFICATIONS. IF FIBER OPTIC PULL BOXES ALREADY EXIST AT INTERSECTION, NO ADDITIONAL FIBER OPTIC PULL BOXES WILL NEED TO BE INSTALLED. FOR A COPY OF THESE STANDARDS REFER TO THE BROWARD COUNTY WEB SITE AT HYPERLINK " http://WWW.BROWARD.ORG/TRAFFIC " WWW.BROWARD.ORG/TRAFFIC UNDER PUBLICATIONS.	Project Review staff in Central Office tells us these notes should be in the form of a MSP (Modified Special Provision) - However, in coordination with all Operations Centers in our District, these Communication Notes, always requested by Broward County, are distributed to the Contractor at the Pre-Construction Conference. If you prefer to address these notes during your design, we ask that you process a MSP.	
B. IF THERE ARE COPPER INTERCONNECT CABLE/S WITHIN THE PROJECT LIMITS OR WITHIN 1500 FEET CONTACT THE TRAFFIC SIGNAL TECHNICIAN III AT TECOMMUNICATIONS@BROWARD.ORG OR 954-847-2761.		
C. IF THERE ARE FIBER OPTIC CABLE/S WITHIN THE PROJECT LIMITS OR WITHIN 1500 FEET OF THE PROJECT LIMITS, CONTACT THE COMMUNICATIONS MANAGER AT TECOMMUNICATIONS@BROWARD.ORG OR 954-847-2745.		
D. ALL BCTED COMMUNICATION CABLES/CONDUIT SHALL BE LOCATED A MINIMUM OF 48 HOURS IN ADVANCE.		
E. COPPER INTERCONNECT CABLE NOTIFICATION CONTACT PERSON WHEN COMMUNICATIONS TO AN INTERSECTION MUST BE DISRUPTED BY A CONTRACTOR TO PERFORM WORK, THE CONTRACTOR SHALL PROVIDE TWO DAY ADVANCE NOTICE IN WRITING TO THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISION. THIS NOTIFICATION SHALL BE CONVEYED VIA ELECTRONIC MAIL (EMAIL) TO THE TRAFFIC SIGNAL TEHNICIAN (sic) III AT HYPERLINK " mailto:TECOMMUNICATIONS@BROWARD.ORG " TECOMMUNICATIONS@BROWARD.ORG . NOTIFICATION SHALL INCLUDE CONTACT PERSON, TELEPHONE NUMBER, PURPOSE, LOCATION AND DURATION. THE DISRUPTION SHALL LAST NO MORE THAN 3 CONSECUTIVE BUSINESS DAYS. WHERE POSSIBLE, THE DISRUPTION SHALL BE DURING OFF PEAK HOURS BEGINNING AT 9:00 AM AND ENDING AT 3:00.		
F. FIBER OPTIC CABLE NOTIFICATION CONTACT PERSON WHEN COMMUNICATIONS TO AN INTERSECTION MUST BE DISRUPTED BY A CONTRACTOR TO PERFORM WORK, THE CONTRACTOR SHALL PROVIDE TWO DAY ADVANCE NOTICE IN WRITING TO THE BROWARD COUNTY TRAFFIC ENGINEERING DIVISION. THIS NOTIFICATION SHALL BE CONVEYED VIA ELECTRONIC MAIL (EMAIL) TO COMMUNICATIONS MANAGER AT HYPERLINK " mailto:TECOMMUNICATIONS@BROWARD.ORG " TECOMMUNICATIONS@BROWARD.ORG . NOTIFICATION SHALL INCLUDE CONTACT PERSON, TELEPHONE NUMBER, PURPOSE, LOCATION AND DURATION. THE DISRUPTION SHALL LAST NO MORE THAN 3 CONSECUTIVE BUSINESS DAYS. WHERE POSSIBLE, THE DISRUPTION SHALL BE DURING OFF PEAK HOURS BEGINNING AT 9:00 AM AND ENDING AT 3:00 PM.		

Signalization Notes	Specs	Standards
	Spec Year	Effective
	January 2016 - July 2016	January 2016
<p>THE AGENCY RESPONSIBLE FOR MAINTENANCE OF THE TRAFFIC SIGNALS AND RELATED COMMUNICATIONS EQUIPMENT IS BROWARD COUNTY TRAFFIC ENGINEERING DIVISION (BCTED). ALL TRAFFIC SIGNAL AND RELATED COMMUNICATION EQUIPMENT WHEN USING PAY ITEM SERIES: 632, 635, 650, 663, 670, 683, AND 685 FOR THIS CONTRACT SHALL BE COMPATIBLE WITH BCTED'S CENTRAL COMPUTER NETWORK SYSTEM. PRIOR TO ANY PURCHASING OF THE ABOVE PRODUCTS, ENSURE THEY HAVE BEEN APPROVED FOR SYSTEM COMPATIBILITY BY THE MAINTAINING AGENCY.</p>		

Signing and Pavement Marking Notes	Specs	Standards
	Spec Year	Effective
	January 2016 - July 2016	January 2016
For Project Notes and General Notes "as per" references to FDOT Specifications and Design Standards are not permitted. Within the "Design Notes" in the plans "as per" references to FDOT Specifications and Design Standards are permitted.	FDOT Specs	Design Standards
Reflective pavement markers are to be placed along the entire length of the project, including intersecting state roads and signalized intersections for a minimum distance of 100' or as specified in the plans. Only 4" by 4" retro-reflective pavement markers will be permitted and will be one of the appropriate products on the qualified product list.	7-9, 706	17352
All existing signage affected by construction shall be relocated to and maintained in a visible location for the duration of the project. Any signs damaged in this process shall be replaced at no additional cost to the Department.	7-11, 7-14, 102.	
102-1 - Includes the cost for removal of any conflicting pavement markings, rpm's, and existing delineator posts required to complete the proposed work.	102	
No road crossing or entering the project shall be unduly restricted unless otherwise approved by the Engineer.		
The Contractor shall remove any existing or proposed pavement markings (paint/thermoplastic) that conflict with the traffic control plans. When the conflict no longer exists the Contractor shall restore pavement markings to their original position.		
Existing sidewalk, pedestrian, bicycle and wheel chair traffic must remain usable and accessible, or alternate accessible paths must be provided. They shall be maintained at all times throughout the project limits.		
Pavement markings should be placed as shown in the plans FDOT Design Standards.		17344, 17345, 17346, 17347, 17349
Signing and pavement markings to be done in accordance with the FDOT Design Standards and the Latest MUTCD.	102, 700	
700-1-50 includes removing exist post, F&I new post (index 11860), and relocating sign panel to new post	700	11860
It shall be the responsibility of the Contractor to verify the length of the column supports in the field prior to fabrication.	700-2	
All signs and their supports shown on the plan sheets for removal shall be removed completely and disposed of by the Contractor. Payment to be included under pay item 700-20-60.	700-9	11000 series
Existing street name signs mounted on existing stop sign assemblies called in the plans are to be relocated, and installed on the proposed stop sign assembly. Attachment costs to be included under pay item 700-48-48. Relocated sign support system shall meet current design standards.		
A blue RPM is to be placed at fire hydrant locations at all times. Placement is in the center of the outside lane adjacent to the Fire Hydrant.	706	17352
Before final acceptance, the permanent RPM's as required for mainline edge, center and lane lines shall be placed within 72 hours of completion of the friction course per signing and pavement marking plans. Other locations for RPM placement may be designated by the Engineer.		
All temporary stripes and markings shall be paint only, unless otherwise specified on the plans or approved by the Engineer.	710 pay items	
All new signs shall be designed for 150 m.p.h. wind speed per FDOT standards.		11860
Sign assembly locations shown on the plans which are in conflict with lighting utilities, driveways, landscaping, wheelchair ramps, may be adjusted per Design Standard 17302. Warning sign location changes must be approved by the District Traffic Operations Engineer.		17302
The lane width dimensions shown in the signing and pavement marking plans reflect the nominal lane widths, not the distance between the stripes. See Index 17346 for placement of lane lines.		17346
For special markings (including directional arrows) placement requirements see FDOT Design Standard Index no. 17346		
Bike lane and pavement arrows shall be placed according to standard index 17347.		17347

Lighting Notes	Specs	Standards
	Spec Year	Effective
	January 2016 - July 2016	January 2016
For Project Notes and General Notes "as per" references to FDOT Specifications and Design Standards are not permitted. Within the "Design Notes" in the plans "as per" references to FDOT Specifications and Design Standards are permitted.	FDOT Specs	Design Standards
Seven copies of shop drawings and design data shall be submitted to the Engineer of Record with a copy of the submittal letter. Send to the Department's Resident Construction in charge of the project. Allow 45 day turnaround for submittals.	5	
Prior to any equipment order, the Contractor shall submit approval equipment. A) Luminaire photometric B) Structural design for light poles C) Load center electrical equipment D) Bolt specifications and bolt circle diameter Luminaire photometric are required if the submitted luminaire is not the same luminaire specified in the plans. Submittal data shall include computer printout showing horizontal foot candle levels to be obtained using the submitted luminaires on this project. At final inspection, the Contractor shall verify the horizontal foot-candle levels on the sidewalk with an approved currently calibrated light meter. Payment to be incidental to the light pole complete pay item number. A report detailing actual field light level readings shall be submitted for approval. Seven (7) copies of shop drawings and design data for highway lighting equipment shall be submitted to the district Engineer in charge of the project. Allow 45 day turn-around for shop drawings.	5, 460, 715	17500 series
Prior to any equipment order, the Contractor shall submit for approval, equipment specifications or design data for material proposed for the project and shall include but not be limited to : a) Luminaire and luminaire photometric, submittal shall include a computer printout showing horizontal foot-candle levels to be obtained using the submitted luminaires on the project. b) Conductors, conduit ground rods and pull boxes c) Fuses, fuse holders, surge protectors, pole cable distribution system. d) Lighting poles including arms. e) Foundations f) Copies of all warranties form the manufacturer.	6-1.3	
Any existing loop wires and interconnect cables damaged during construction shall be replaced by the Contractor at his expense.	7	
Any public land corner within the limits of the construction is to be protected. If a corner monument is in danger of being destroyed and has bot been properly reference, the Project Engineer should notify the District Surveyor without delay by telephone Call Bob Hughan at 954-777-4556.	7-11	
As determined by the Engineer, the Contractor will hand dig the first four feet of the hole for the pole foundation and conduit run at locations where underground utilities are in close proximity.		
All conduit trenches shall be backfilled completely to provide safe crossing by the end of each working day or whatever the work zone becomes inactive. The Contractor shall not open any area that cannot be backfilled in the same day or night operation.	8-3, 8-4, 102	600
The wires at the pole handholes and pull boxes shall be looped in the pole and pull boxes with sufficient length. Completely remove connectors and splices 1 ft. outside of the handhole and pull boxes to make connections and splices accessible for changing fuses and troubleshooting the system. All conductors shall be continuously colored, with for neutral.	611, 630, 633, 635	
Handhole covers for poles and transformer bases shall be located opposite approaching traffic.	630, 649	
Location of pull boxes, ground rods and conduits, which are in conflict with utilities and traffic signal system communication cables may be adjusted as Directed by the Engineer. Pole locations may be adjusted 5.0 ft. left or right. If more adjustment is needed, contact the Engineer of Record.	632, 633, 635,650, 741	
All ground connections to grounding electrodes shall be provided with CAD-Welds.	676	
In accordance with N.E.C., identify all circuits and equipment with aluminum identification tags. Install similar stainless steel tags identifying circuit for each luminaire at access handhole for each pole.	633, 715	17502, 17515
The Contractor shall measure the ground rod resistance at each pole, pull box and service point. The resistance shall be recorded and a copy given to the project Engineer for his record. The cost of such work is incidental to the light pole, pull box, and/or service point pay item.	715	

Lighting Notes	Specs	Standards
	Spec Year	Effective
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The Contractor shall test all wiring and connections for continuity and grounds. When directed by the Engineer, the Contractor shall demonstrate same by megger test. Test shall be performed before connection to ballast. The insulation resistance test shall indicate faulty insulation. If any, the Contractor shall locate the points of such insulation, pull the conductor at fault, and replace same with new at his expense.	715	
Identification plates are to be installed on all poles. Plates shall contain the following information: Circuit number and pole number as shown on the pole data sheet. Identification plates shall be placed at the back of pole. Cost of such item is incidental to pay items per light pole.		
The Contractor shall verify pole lengths required in order to achieve the proper luminaire mounting height prior to submitting shop drawings.		
Install lighting arresters, properly grounded in power (secondary) entrances.		
The Contractor shall use caution in erecting new light poles so as to not damage the overhead feeds for existing poles. Once new poles are in operation existing poles and overhead feeds may be removed.		
The light poles shall be grounded per roadway and design standards regardless of local practices. Grounding the poles through the handhold is unacceptable.	715	17500
All hand holes for poles behind guard rail shall be on the side of the pole opposite the flow of traffic for easy access.		17501
Photocell to be placed in enclosure as per Index 17504.		17504
All lighting foundations shall be FDOT standard index 17515.		17515
Special attention is directed to the Standard Specifications for Road and Bridge Construction (latest edition), for Labeling or Equipment and Transfer of Warranties	FDOT Specs	

Misc. Notes	Specs	Standards
	Spec Year	Effective
	January 2016 - July 2016	January 2016
For Project Notes and General Notes "as per" references to FDOT Specifications and Design Standards are not permitted. Within the "Design Notes" in the plans "as per" references to FDOT Specifications and Design Standards are permitted.	FDOT Specs	Design Standards
Specifications. ..the Department's Project Engineer. (should be "the Department's Engineer")	1-1 (Definitions)	
The information provided in these plans is to assist the Contractor in assessing the nature and extent of the conditions which may be encountered during the course of the work. All Contractors are directed, prior to bidding, to conduct any investigations they deem necessary to arrive at their own conclusions regarding the actual conditions that will be encountered, and upon which their bids will be based.	2-4	
Seven copies of shop drawings and design data shall be submitted to the Engineer of Record with a copy of the submittal letter send to the Department's Resident Construction Engineer in charge of the project. Allow a 45 day turnaround for submittals.	5	
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 Contractor shall coordinate any and all construction activities and traffic control phases with any Contractor with or adjacent to the project limits.	5, 102	
Approval of shop drawings does not constitute a warranty that the signal equipment complies with the standards of the maintaining agency. The Contractor is responsible for insuring that the proposed signal equipment meets the requirements specified in the contract, specifications and contract plans.	5-1	
Any NAVD-88 monument within the limits of Construction is to be protected. If in danger of damage, the Project Engineer shall notify: Geodetic Information Center, Attn: Mark Maintenance Center, Attn: N/CG-162, 6001 Executive Boulevard, Rockville, Maryland 20852, Telephone NO. (301)443-8319	5-1	
The Contractor shall notify the Engineer immediately when conflicts between drawings and actual conditions are discovered.	5-2	
Existing elevations extrapolated from DTM file, Contractor is responsible to field verify.	5-7.3	
The Contractor shall verify structure orientation prior to placement. Structures of incorrect orientation shall be replaced at Contractor's expense. The Contractor shall verify that all structures are set to elevations that will meet vertical clearance requirements specified in FDOT, MUTCD, and standards prior to installing structural material. If a discrepancy is found, contact the Engineer	5-7, 5-10	
UNIT PRICES: Furnish to the Department a unit price breakdown for all materials. The Department may, at its discretion, add or delete from the materials utilizing the unit price breakdown submitted. This unit price breakdown to be provided by the Contractor at the Pre-Construction meeting.	5-7, 8-3.5 9-2	
The Contractor shall be aware of, and comply with municipal ordinances governing the days and times construction activity is permitted.	7-1, 8-3, 8-4	
Nothing in the general notes or special provisions shall relieve the Contractor from their responsibilities toward the safety and convenience of the general public and the residences along the proposed construction area.	7-1, 100-2.2	
Any public land corner within the limits of the construction is to be protected. If a corner monument is in danger of being destroyed and has bot been properly reference, the Project Engineer should notify the District Surveyor without delay by telephone Call Bob Hughan at 954-777-4556.	7-11	
Prior to beginning construction, the Contractor shall provide written notice of commencement, via email, to teinspection@broward.org. Notice shall include the date of commencement, location and type of work & information regarding any malfunctioning signal equipment.	8-3	
Contractor shall coordinate and adjust the traffic control layout so that it is compatible with any adjacent construction project as directed by the Engineer.	8-4	
The Contractor shall take all necessary precautions to prevent milled material from entering the drainage system. The Contractor is responsible for keeping existing and new inlets clean of milling material, limerock, debris during construction at no additional cost to the Department.	8-4, 327-1, 327-3	

Misc. Notes	Specs	Standards
	Spec Year	Effective
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Contractor shall notify Florida Highway Patrol, Martin County Sheriff Office, Fire rescue, Town of Sewall Point City Hall. Town of Sewall point police department, Stuart Causeway Westside park/fishing facilities, and ambulance services in writing 14 business days in advance of lane closures	102	600
Spacing for barricades will be placed 25' on center except for return locations (10' on center)		
Contractor shall limit the amount of excavation that can be put back within the same work period to control drop off conditions.	104-6, 120	
All areas designated for pavement removal will be saw cut at the limits of removal adjacent to the existing pavement which is to remain.	110-12, 327	
The area to be milled shall not exceed that area which will be paved by the end of each work day. All trenching or excavation within the pavement area shall be performed prior to the milling and resurfacing operation. Traffic shall not be allowed on the milled surface.	120, 327	
All milled material shall be removed and disposed of properly by the end of each day's work period.		
Contractor must avoid any water accumulation within travel lanes as a result of milling & resurfacing operations.		
Restricting the Contractor's milling and resurfacing limits through plan notes should only be done when there are extraordinary pavement or traffic conditions to warrant a restriction.		
Perform power brooming utilizing a self propelled vacuum street sweeper during construction including milling & resurfacing operation at least twice a week or as directed by the Engineer.	327	
Limerock and/or asphalt base (base material) may be encountered during milling. Should base material be exposed, Contractor shall street sweep any exposed base material and then immediately place prime coat over exposed areas. Cost of street sweeping exposed base material and placing prime coat shall be incidental to the cost of milling.		
The Contractor shall use care when milling and resurfacing around the existing bridge decks. Caution shall be exercised when milling existing asphalt off of the approach slabs. In addition, care shall be taken to prevent tack from being tracked onto the bridge decks. Any damage that is done or cleaning of the decks that needs to be done will be done at the Contractor's expense.	327, 7-11	
The area to be constructed (new curb and gutter, sidewalk, signals) shall not exceed that area which will be completed by the end of each work period.	520, 522, 603	
Truncated domes shall be applied / retrofitted to all existing and proposed sidewalks at all paved crossings, per Index 304 and 310.		304, 310
The Contractor should be aware that between the limits of where the base may be exposed, any milled material that includes limerock base aggregate, will not be allowed to be used in Recycled Asphalt Pavement (RAP) or anywhere else on an FDOT project. This material should be disposed of by the Contractor in areas that they procure at their own expense.	327, 334	
101-1 - Includes all costs related to staging areas and compliance with permit conditions.	110,120, 460, 561	
110-4 - Cost includes the removal of the existing curb.	110-7	
430-175-18 - Includes the cost of coring existing drainage structure at sta. 95+48.50 (LT)	430, 555, 556	
431-1-1: Cost to include the cleaning and removal of roots in pipe from structure S-12 to S-12A.	431-3	
520-1-10: Type F Curb - Includes the cost of constructing 4" thick curb pad and restoration of existing roadway adjacent to new curb.	520-12	
Cost of thickened edge and reinforcing steel to be included in the bid price for sidewalk.	522	
522-1 Includes additional concrete and reinforcing steel associated with thickened edge sidewalk. Includes pull box removal.	522 and 110	
570-1-2 - Includes all material and labor required when re-grading slopes behind reconstructed sidewalk areas.	570-3	
665-11 - Includes the cost of providing R10-3e sign	665	17784