Section 8.14

VALUE ADDED FEATURES

8.14.1 PURPOSE

To establish a standard administrative procedure for tracking and monitoring Value Added Features (VAF) for compliance with the contract specifications. The procedure sets forth the responsibilities for inspecting and accepting remedial work (RW) required to bring the features in compliance with the specifications. This procedure is primarily for the use of District Construction and Maintenance personnel responsible for monitoring and tracking VAF. In order to maximize the use of Department resources, the Department's routine Maintenance Inspection Program should be utilized as much as possible for inspections to evaluate projects with Value Added Features.

This procedure covers all VAF listed below. The VAF have certain procedural steps that are common to all as well as steps that are unique to each. Therefore, the following includes one subsection for common procedural steps as well as individual subsections for each of the unique steps pertaining to the VAF

8.14.2 AUTHORITY

Sections 334.048(3) and 20.23(4)(a), Florida Statutes

8.14.3 REFERENCES

The following contract specifications deal with Value Added Features (VAF):

(1) Specification Section 338, Value Added Asphalt Pavement
(2) Specification Section 338B, Value Added Reworked Asphalt Concrete Pavement
(3) Specification Section 338C, Value Added Repaved Asphalt Concrete Pavement
(4) Specification Section 355, Value Added Portland Cement Concrete Pavement
(5) Specification Section 475, Value Added Bridge Components Design Build Only
(6) Specification Section 570, Performance Turf
(7) Specification Section 580, Landscape Installation
(8) Specification Section 649, Galvanized Steel Strain Poles, Mast Arms and Monotube Assemblies

(9) Specification Sections 701, 702, 709, 711 and 713 Traffic Stripes and Markings
(10) Specification Section 725, Value Added Highway Lighting Systems Design Build Only
(11) Other Warranty Items

8.14.5 GENERAL

Districts will designate an individual or individuals from the Operations Centers/ Residence Offices as the District Warranty Coordinator (DWC). This individual administers the warranty program for the District. The common procedural steps primarily cover duties of the District Warranty Coordinator (DWC) that must take place prior to the steps unique to each feature.

8.14.6 COMMON PROCEDURE STEPS

(1) The DWC shall develop and maintain a list of projects that have VAFs. The list should be updated by adding projects after award and execution of a project with value added features. The information gathered for each project should include at a minimum, the identification of each VAF to be incorporated into the project and contact information for all individuals responsible for administration and performance of the feature. Once a VAF has been identified based on the contract, it can be selected from the pre-defined drop down menu in the CIM system. The durations for the warranty period for a VAF are pre-loaded by the CIM system based on the warranty duration designated by the specifications.

(2) Project personnel responsible for the administration of the project should identify and enter the required warranty data into the CIM system prior to or at final acceptance of the project. Information pertaining to the VAF is identified in the applicable specifications for the contract. The appropriate contact information for each VAF should include the responsible party (RP) for the feature as well as the maintenance and construction personnel involved in the administration of the project. Project personnel responsible for entering the warranty information shall notify the appropriate DWC once the information has been entered into the system.

(3) The DWC shall review the VAF data entered into CIM by the project personnel for accuracy and completeness. The DWC shall ensure that any revisions are addressed correctly. The DWC will be responsible for the administration of the warranty throughout the warranty period.

(4) The DWC will be responsible for coordinating with District and SMO personnel responsible for performing inspections or evaluations of the VAFs. Warranty inspections for the VAF shall, at a minimum, be done at intervals as assigned by the CIM system.

The CIM tracking system will automatically notify the DWC of upcoming warranty inspection needs.

(5) The inspections results, for the interim and final inspections shall be input into the CIM tracking system. All comments, reports and inspection documentation generated during the inspection may be input in the CIM using the General tabs located in the upper right corner of the Value Added Feature page. Additional guidance on use of the CIM Tracking system is provided by the “VAF User Guide” located in the upper left corner of the Value Added Feature page. Upon completion of the interim or final inspection of the feature, the status of the inspection shall be entered into the system as “COMPLETED” or “ONGOING”. The warranty inspections status will be designated as “COMPLETED” when no deficiencies are found and “ONGOING” when deficiencies are detected. The “ONGOING” inspection status will remain until such time as all deficiencies have been corrected.

(6) The DWC will be responsible for coordinating the required remedial work performed by the RP and District personnel responsible for oversight and acceptance of the remedial work.

(7) The DWC will coordinate a final inspection of the VAF to ensure that the final inspection occurs prior to the end of the warranty period. The Final inspection is defined in the contract and is to occur in advance of the warranty end date to allow for any administrative actions required under the warranty provisions for the feature. All notifications for required remedial actions shall be provided in writing to the RP prior to the end date of the warranty period. The DWC will document the RP’s receipt of the notification. If corrections are needed for the project, the DWC will manage and coordinate the RW for the feature in accordance with the specifications and this procedure.

(8) For Design Build Projects, the Contractor or the designated RP shall be responsible for the RW for the duration specified in the VAF specifications. The DWC should review the ***Request for Proposal (RFP)*** and the Contractors Technical proposal to determine the actual items and durations covered by the warranty provisions of the contract.

8.14.7 DISPUTE RESOLUTION

The Statewide Disputes Review Board (SDRB), as provided in the appropriate specification, shall be used to resolve disputes that arise on contracts which contain VAF. A SDRB will be used to resolve any and all disputes that may develop involving the administration and enforcement of the specifications. The determinations of a SDRB shall be binding on both the RP and the Department, with no right of appeal by either party. The RP party will be responsible for requesting and scheduling the disputes

review board hearing. The DWC will coordinate all aspects of the hearing on behalf of the Department. SDRB decisions shall be sent to the State Construction Office for review.
All correspondence and documentation pertaining to the SDRB proceedings shall be input into the CIM tracking system.

8.14.8 FAILURE TO PERFORM

Should the RP fail to timely submit and schedule a hearing before the SDRB, fail to satisfactorily perform the remedial work, or fail to compensate the Department for any remedial work performed by the Department which is determined to be the responsibility of the Responsible Party, the DWC, with concurrence from the DCE, shall provide notification to the Statewide Warranty Coordinator in the State Construction Office (SCO) to initiate the appropriate action in accordance with the specifications.

Upon notification by the District, the SCO will review and initiate the appropriate action pursuant to the terms of the contract. The SCO will review the contract as well as the information provided by the DWC and make a determination as to the appropriate action(s) to be taken in accordance with the terms of the contract.

The SCO will initiate available administrative or contractual actions as a result of a RPs failure to perform the contract requirements for VAF.

8.14.9 VALUE ADDED ASPHALT PAVEMENT (Spec. Section 338)

8.14.9.1 Pavement Performance Monitoring Operations

(1) The DWC will be responsible for coordinating inspections of the value added asphalt pavement at intervals as prescribed by the specifications. The CIM tracking system will automatically notify DWC of need for inspections at pre-determined intervals. The CIM system allows additional interim inspections to be scheduled on an as needed basis. Any comments or notations pertaining to observations made during the inspections should be entered into the system using the notes tab on the VAF page. All pertinent documentation pertaining to the inspection/evaluation of VAF shall be entered into the system under the “File” tab as attachments for the inspection.

(2) District inspection personnel should perform periodic inspections by driving through the project and randomly stopping at locations to visually inspect the pavement for any distresses. Pavement deficiencies shall be classified and documented in accordance with the “Category of Pavement” as defined by the Valued Added Asphalt Pavement specifications. The frequency of inspections will be annually (as a minimum). Inspection personnel shall document the inspection results with photographs or video recordings

and with sufficient detail to allow the DWC to make a determination whether further evaluation is required. The inspection results shall be sent to the DWC for review and disposition to the appropriate parties. The DWC will coordinate with the appropriate District Materials Office personnel and other Department personnel as required. All pertinent information and documentation shall be input into the tracking system. When possible, document the location where photographs were taken.

8.14.9.2 Assessment of Pavement Distresses

(1) The Department's Pavement Condition Survey (PCS) Program, along with observations and inspections by Department personnel, will be used as the basis for determining the extent and magnitude of the pavement distresses that exceed the threshold values defined by the specification. The Department, as a function of Pavement Management Program, annually surveys all highways on the State Highway System. The survey is conducted normally in the outside lane only. The Pavement Management Office analyzes the Pavement Condition Survey information and develops a report annually providing information for all asphalt warranty projects exceeding the rut threshold. The report is available at the following link:
http://infonet.dot.state.fl.us/PavementManagement/OnlineReports/performanceInfo.htm

The Department will perform annual inspections (as a minimum) to monitor the pavement performance throughout the warranty period. If deficiencies are observed during the inspections, the observations shall be documented with sufficient supporting documentation to enable the DWC to determine if further evaluation is required. The District may, based on the visual observations during the interim inspections or the analysis of the annual Pavement Condition Surveys, request a more detailed PCS by contacting the SMO or use the online request form at the following link:

http://www.dot.state.fl.us/statematerialsoffice/pavement

The DWC will be responsible for coordinating inspections during the warranty period.
The DWC will notify the RP in writing if the Department determines that a PCS will be conducted.

(2) If the survey is conducted at or near the end of the warranty period, the SMO or DMO should be contacted sufficiently in advance of the expiration date to allow the survey to be conducted and notification (if required) to the RP within the timeframes established in the contract that remedial work will be required. The RP must receive written notification of "Required Remedial Action" prior to the expiration of the warranty period. The DWC will document the RP's receipt of notification. If no deficiencies are observed during the inspections (interim or final) the inspection result will be entered into the CIM tracking system as "COMPLETE" and no further action is required. All

documentation produced as a result of the inspections shall be entered into the CIM tracking system. If the inspection reveals pavement deficiencies, the DWC will send a copy of the inspection report and all other documentation to the DMO for review. The DWC shall request the District Materials & Research Engineer (DMRE) to provide an assessment of the pavement distresses and provide recommendations as to whether remedial work is required and whether the remedial work is the responsibility of the RP.

(3) The DWC will consult with the DMO and review the inspection information and the PCS (if performed) to determine whether immediate corrective work is required based on the type and severity of the pavement deficiencies. If the pavement distresses do not require immediate RW, the DWC will provide the RP with a copy of the results of the inspections (including the PCS if performed) for their review. The RP will be advised that the Department will monitor the pavement performance for the remainder of the warranty period and that RW will be required prior to the end date of the warranty period.

Note: The DWC should review the contract specifications carefully and adhere to the specified timeframes within the specifications.

8.14.9.3 Remedial Work Required

After review of the documentation and the recommendations of the DBE and DMRE, the DWC determines that RW is required, the DWC will immediately provide verbal or electronic notification (email) to the RP that remedial work will be required under the warranty provisions of the contract. The verbal or electronic notification shall be followed with written “Notice of Required Remedial Action” (Notice) to the RP by certified mail with the appropriate backup documentation including date of receipt of the Notice by the RP. The Notice shall be signed by the District Construction Engineer. The Statewide Warranty Coordinator in the SCO shall be copied on all correspondence pertaining to the remedial work. It is important to note that under Section 338 of the Standard Specifications, the Contractor may designate a RP for maintaining the Value Added Asphalt Pavement by using form ***Value Added Assumptions of Obligations by a Subcontractor as the Responsible Party,*** # 700-010-53.

The Notice of Required Remedial Action shall request the RP to provide the Department with its plan detailing how the RW will be accomplished and that repairs must begin within 45 calendar days of notification in accordance with the Value Added specifications. The RP will also be advised that, if they dispute the Departments findings, they are to provide written notification to the Department within 30 calendar days of receipt of the notification and to request a hearing before the SDRB. It will be the obligation of the RP to schedule and coordinate the hearing. A copy of the letter and accompanying documentation will be sent to the District Construction Office and the

DWC will be responsible for coordination of the SDRB hearing or the RP's performance of the required RW.

8.14.9.4 Responsible Party Not Responsible for Remedial Work

(1) If the RW is determined not to be the responsibility of the RP, the DWC will refer the issue to the District Construction Engineer (DCE) or the District Maintenance Engineer (DME) for a determination as to how the RW work will be accomplished. The DWC will notify the RP (in writing), that it is not responsible for the RW.

(2) When the Remedial Work is completed, the DWC will update the CIM tracking system with all appropriate information.

(3) The DWC will send a copy of the updated records from the tracking system to the RP for information if requested.

8.14.9.5 Performance of the Remedial Work by the Responsible Party

(1) The DWC (or designee) will be responsible for coordinating the inspection and oversight on behalf of the Department to ensure that the construction operations of the RW are in compliance with all provisions of the contract specifications. The DWC (or designee) will arrange for a qualified inspector to monitor the construction activities of the RP for acceptance of the RW.

(2) If any Remedial Work is unacceptable, the RP shall be required to correct the deficiency to the satisfaction of the Engineer in accordance with the specifications.

(3) When the Remedial Work is completed and accepted, the DWC shall notify the Responsible Party in writing of acceptance of the work and update the information in the CIM tracking system for the project.

8.14.10 VALUE ADDED REWORKED ASPHALT CONCRETE PAVEMENT (Spec. Section 338B) and VALUE ADDED REPAVED ASPHALT PAVEMENT (Spec. Section 338C)

The administration of the warranty for Value Added Reworked Asphalt Concrete Pavement and Value Added Repaved Asphalt Concrete Pavement are similar to the administration of the Value Added Asphalt Pavement (Section 338) above, except that the Reworked and Repaved Asphalt Concrete Pavements are subject to a warranty period, and a warranty/maintenance bond, warranting the asphalt pavement for the duration of the warranty period.

The DWC shall be responsible for the administration of the Warranty after final acceptance of the Contract. If during the warranty period, deficiencies are detected that require remedial repairs, the DWC will coordinate all such requests with the Statewide Warranty Coordinator in the State Construction Office.

Should any administrative actions become necessary under the Warranty/Bond provisions of the Contract, the DWC shall contact the Statewide Warranty Coordinator prior to notification of the Contractor.

8.14.11 VALUE ADDED PORTLAND CEMENT CONCRETE PAVEMENT (Spec. Section 355)

8.14.11.1 Pavement Performance Monitoring Operations

(1) District inspection personnel should perform periodic inspections by driving through the project and randomly stopping at locations to visually inspect the pavement for any distresses. Concrete Pavement deficiencies shall be classified and documented in accordance with the threshold values established in the specification. RW of deficient concrete pavement areas shall be accomplished as defined in the specification. The frequency of inspection should be annually (as a minimum). The DWC has the option to schedule intermediate inspections as deemed necessary. Inspection personnel shall document the inspection results with sufficient detail to allow the DWC to make a determination whether further evaluation is required. The inspection results shall be sent to the DWC for review and disposition to the appropriate parties. The DWC will coordinate with the appropriate DMO personnel and other Department personnel as required.

8.14.11.2 Assessment of Pavement Distresses

(1) The Department's Pavement Condition Survey (PCS) Program along with observations and inspections by Department inspection personnel will be used as the basis for determining the extent and magnitude of the pavement distresses occurring on a project. The Department will perform annual inspections (as a minimum) to monitor the pavement performance throughout the warranty period. If deficiencies are observed during the inspections, the observations shall be documented with sufficient supporting documentation including photographs and video recordings to enable the DWC to determine if further evaluation is required. The District may, based on the visual observations during the interim inspections request a PCS by contacting the SMO or use the online request form at the following link:

http://www.dot.state.fl.us/statematerialsoffice/pavement

The DWC will be responsible for coordinating inspections during the warranty period. The
The DWC will notify the RP in writing if the Department determines that a PCS will be conducted.

(2) If the survey is conducted at or near the end of the warranty period, the SMO or DMO should be contacted sufficiently in advance of the expiration date (not less than 45 days) to allow the survey to be conducted and notification (if required) to the RP that remedial work will be required. The RP must receive written notification of "Required Remedial Action" prior to the expiration of the warranty period. The contract may contain more specific notice requirements. All documentation produced as a result of the inspections shall be entered into the CIM.

(3) The DWC will consult with the DMO and review the inspection information and the PCS (if performed) to determine whether immediate corrective work is required based on the type and severity of the pavement deficiencies. If the pavement distresses do not require immediate RW, the DWC will provide the RP with a copy of the results of the inspections (including the PCS if performed) for their review. The RP will be advised that the Department will monitor the pavement performance for the remainder of the warranty period and the RP will be notified of any required RW prior to the end date of the warranty period. Upon completion of the interim or final inspection of the feature, the status of the inspection shall be entered into the system as "COMPLETED" or "ONGOING". The warranty inspections status will be designated as "COMPLETED" when no deficiencies are found and "ONGOING" when deficiencies are detected. The "ONGOING" inspection status will remain until such time as all deficiencies have been corrected.

Note: The DWC should review the contract specifications carefully and adhere to the specified timeframes within the specifications.

8.14.12 VALUE ADDED BRIDGE COMPONENTS (Spec. Section 475) DESIGN BUILD PROJECTS ONLY

8.14.12.1 Bridge Components Covered By the VABC Specifications

The Value Added Bridge Components (VABC) specification provides a materials and workmanship warranty. For the purpose of this procedure, the prime contractor shall be the Responsible Party in accordance with the specifications. The components covered under the specifications are as follows:

(1) Bridge Deck Expansion Joints Devices and Hardware
(2) Coatings
(3) Bearing Devices
(4) Bridge Lighting/Electrical System
(5) Drainage Systems

8.14.12.2 Determining the Category of Deficiency

(1) The District Structures Maintenance Office (DSMO) is responsible for inspection of bridges on the State Highway System (SHS). Conventional bridges are required to be inspected at a minimum of every two years and bascule (movable) bridges are required to be inspected once per year. Bridge inspections shall be done in accordance with approved Department procedures. The bridge inspection report will identify deficiencies discovered during the routine inspections. The DWC will coordinate with the DSMO to identify bridges which contain VABC. The DWC will coordinate with the DSMO to assure the features covered by the Value Added specifications are given the appropriate attention and documentation during the inspection process. The DWC shall coordinate with the DSMO to ensure that all inspection reports and supporting documentation are input into the CIM tracking system.

(2) The DWC will review the inspection report in conjunction with the DSMO and determine if RW is required. If the DWC/DSMO determines that RW is required, the DWC shall provide written notification to the Contractor that RW is required under the materials and workmanship warranty provisions of the contract. A copy of the inspection report with supporting documentation shall be provided with the notification. When deficiencies are identified, but immediate RW is not required, the “Element Inspection Notes” of the DSMO inspection report must be transmitted to the Contractor for information. The Element Inspection Notes provide the Contractor with information for making an informed decision about whether or not to perform preventive maintenance on a deficiency before it requires more expensive RW. On occasion, a deficiency will be reported by non-DSMO maintenance personnel, a local government or from the general public. The DSMO must be notified of the deficiency as soon as possible.

Once the deficiencies are determined which require RW based on the Element Inspection Notes. The DSMO will notify the DWC of the RW with a priority indicated by email, and provide a description of the signing and traffic control that will be required for the repairs. Emergency remedial work requires immediate verbal notification by the DSMO to the RP and the DWC. The verbal notification shall be followed-up with a DSMO Priority 1 Work Order; Non-emergency remedial work requires a priority 2 or 3 (routine priority) DSMO Work Order; and for deficiencies that do not require remedial work, Element Inspection Notes are required in lieu of a work order and these will be sent to the DWC with a copy to the SCO and the Resident Construction Office (RCO).

8.14.12.3 Emergency Remedial Work-DSMO Work Order

(1) When the DWC receives verbal notification from the DSMO, the DWC will immediately provide verbal notification to the RP and to the RCO that will be performing inspection and acceptance of the RW. The DWC shall document the notification in the CIM Tracking System. The RCO shall follow-up verbal notification in writing and shall document the RW operations in the CIM Tracking System. RW shall be accomplished in accordance with the timeframes established in the specifications and in accordance with the contract specifications. RW required under the materials and workmanship warranty provisions of the contract shall be done at no additional cost to the Department.

(2) During the notification conversation with the RP, the DWC must provide the RP with the details and location of the RW as well as the requirements for signing and maintenance of traffic.. If, during the notification conversation or shortly thereafter, the RP is unable to perform or refuses to perform the RW, the DWC should refer the issue to the District Construction Engineer (DCE) or the District Maintenance Engineer (DME) for a determination as to how the RW work will be accomplished. If the RW requires immediate traffic control and the RP is unable to provide it, then the Department will arrange for traffic control and the RP will be required to reimburse the Department for the expenses.

8.14.12.4 Responsible Party Unable To Perform

(1) If the RP is unable to perform the RW, but acknowledges the responsibility, then the cost of performing the work with an alternative qualified contractor will be documented and reimbursed by the RP. The DWC will coordinate with the DCE or DME for the procurement of the alternative qualified contractor to perform the RW.

(2) If the RW is determined to be urgent, the Department will provide traffic control as required, at the time of discovery. The RP shall assume the responsibility of the traffic control as soon as possible. The RP shall provide a verbal description of the traffic control plan which must be approved by the RCO. The RP shall follow-up the verbal request with a written Traffic Control Plan for approval as soon as possible.

(3) If the RW is of an immediate concern and the RP is unable or unwilling to perform the RW, the Department will provide the traffic control as necessary based on the severity of the deficiency. The DWC will coordinate with the RCO and the DSMO to develop a work plan to accomplish the RW. The Department shall document all cost associated with the RW with intent to recover from the RP.

8.14.12.5 Performing and accepting remedial work

(1) Once the RP has an approved Work Plan and if applicable, a Traffic Control Plan, work may begin. The RCO in conjunction with the DSMO will inspect and document the RW for compliance with the contract specifications.

(2) The RCO and DSMO will perform a joint final acceptance inspection and any unacceptable work will be corrected by the RP before final acceptance is issued.

8.14.12 PERFORMANCE TURF (Spec. Section 570)

8.14.12.1 Performance Monitoring

The Performance Turf procedure defines the administrative process for monitoring and tracking the establishment of a growing, healthy turf in accordance with the specification. The project personnel responsible for the administration of the contract shall be responsible for monitoring the turf installation and establishment for the life of the contract. The project personnel shall document all inspection results into the CIM tracking system.

If the turf areas designated in the plans have not met the requirements as set forth in the Contract for establishment at the time that all other work is completed, the RP shall continuously maintain all turf areas until the requirements for established turf set forth in Section 570-4 of the specifications are met. Project personnel shall notify and coordinate with the DWC that the establishment period for a contract will continue after Final Acceptance of a contract. Upon notification by the contractor the DWC will schedule and coordinate inspections required by the contract.

(1) After Final Acceptance, the DWC should continue conducting inspections of the turf at 90 day intervals during the establishment period to determine establishment. Provide results of the inspection to the Contractor within seven days of the date of inspection.

(2) The DWC will review the inspection report in conjunction with project personnel and determine if RW is required. If the DWC/project personnel determines that RW is required, the DWC shall provide written notification to the Contractor that RW is required under the materials and workmanship warranty provisions of the contract. A copy of the inspection report with supporting documentation shall be provided with the notification.

(3) Upon determination that the requirements of 570-4 have been met and an established turf has been achieved, ensure the Contractor has removed all erosion

prevention and sediment control devices and release the Contractor, in writing, from any further responsibility.

8.14.12.2 Performance of the Remedial Work by the Responsible Party

(1) The DWC (or designee) will be responsible for coordinating the inspection and oversight on behalf of the Department to ensure that the operations of the RW are in compliance with all provisions of the contract specifications. The DWC (or designee) will arrange for a qualified inspector to monitor the construction activities of the RP for acceptance of the RW.

(2) If any Remedial Work is unacceptable, the RP shall be required to correct the deficiency to the satisfaction of the Engineer in accordance with the specifications.

(3) When the Remedial Work is completed and accepted, the DWC shall notify the Responsible Party in writing of acceptance of the work and update the information in the CIM tracking system for the project.

8.14.14 PAINTED GALVANIZED STEEL STRAIN POLES, MAST ARMS AND MONOTUBE ASSEMBLIES (Spec. Section 649)

This section describes the administrative process for tracking and monitoring the performance of painted strain poles, mast arms and monotube assemblies for compliance with the specification. The strain poles, mast arms and monotube assemblies are subject to a warranty, provided by the fabricator, for adhesion and color retention of the coating system. The contract specifications require the fabricator of the strain poles, mast arms or monotube assemblies be listed on the Department's list of Prequalified Fabricators of Painted Galvanized Steel Strain Poles, Mast Arms and Monotube Assemblies which is maintained by the State Construction Office. The list can be accessed by the following link:

http://www.dot.state.fl.us/construction/ContractorIssues/PaintedPole/PaintedPoleSuppliers.shtm

Project personnel responsible for the administration of the contract shall inspect and monitor the installation of the strain poles, mast arms and monotube assemblies for compliance with the specifications. Any deficiencies or defects with the assemblies that require touch-up or remedial work shall be coordinated with the Statewide Warranty Coordinator in the State Construction Office. Project personnel shall document all inspection and/or remedial repairs and enter the information into the CIM tracking

system. Project personnel shall notify the DWC upon final acceptance of a project containing strain poles, mast arms and monotube assemblies. All documentation required by the specifications shall be scanned into the CIM tracking system.

Strain Pole, mast arms, and monotube assemblies are subject to a five (5) year warranty period. The DWC shall be responsible for the administration of the warranty after final acceptance of the contract. If during the warranty period, deficiencies are detected that require remedial repairs, the DWC will coordinate all such requests with the Statewide Warranty Coordinator in the State Construction Office.

8.14.15 VALUE ADDED HIGHWAY LIGHTING SYSTEM (Spec. Section 725) DESIGN BUILD PROJECTS ONLY

8.14.15.1 Performance Monitoring

The Value Added Highway Lighting System procedure defines the administrative process for monitoring and tracking the performance of highway lighting installations in accordance with the specification. The performance and acceptance criteria for the VAF are defined by the contract specifications. Components covered under the warranty period are defined in the Value Added Highway Lighting System specification.

Note: The Value Added Highway Lighting System specifications provide exceptions to the warranty period for specific components of the lighting system. The Contractor's responsibility for warranty and remedial work for those designated components with time periods less than the three (3) warranty period will terminate at the end of the time period stated in the specification. The contractor will remain responsible for the materials and workmanship of the overall installation of the lighting system as required by the Specification.

Project personnel responsible for the administration of the project shall notify (by email correspondence) the DWC upon final acceptance of a project containing the Value Added Signal Installation provisions. All documentation required by the specifications shall be scanned into the CIM tracking system.

The DWC shall be responsible for the administration of the Value Added feature after final acceptance of the contract. The DWC will coordinate with the Maintaining Agency and the Responsible Party for all requests for remedial repairs necessary under the warranty provisions of the contract. The DWC will be responsible for coordinating with the Maintaining Agency for participation in the DRB process (if required).

8.14.16 TRAFFIC STRIPES AND MARKINGS

This section defines the administrative process for monitoring and tracking the performance of traffic stripes and marking installations in accordance with the contract specifications. The specifications provide for a 180 day Observation Period after Final Acceptance of the contract. The following sections contain this requirement: Sections 701, 702 709, 711 and 713. The DWC shall coordinate the Inspection with the appropriate RCO or OCO. The results of the inspection shall be documented in CIM.

8.14.17 OTHER WARRANTY ITEMS

This section is provided to allow warranty tracking for items of the work, which by agreement of the contracting parties, will be warranted for a specific period of time. The documentation which formalizes the agreement will be provided by the State Construction Office or District Construction Office. All documentation pertaining to the warranty shall be scanned into the CIM Tracking System. The DWC will be responsible for the administration of the warranty during the warranty period.