Billingsley Road Safety Improvements

Project Purpose/Background

The majority of Billingsley Road is considered a “road of use” with an acknowledged right-of-way of 30 ft. as accepted by the County from the State Highway Administration (SHA) per an agreement dated August 22, 1988. The pavement width varies between twenty (20) feet and thirty-six (36) feet and is substandard according to the Road Ordinance. The roadway and the associated infrastructure are limited by these right of way constraints, as well as limitations of the surrounding topography, natural features, and private property constraints. Minor safety improvements, such as raised pavement markings, greater signage, and drainage enhancements have been made over time to improve driving conditions. However, the current geometrics and associated physical constraints have limited the County’s ability to provide safety improvements. Based on these limitations, the County is designing the necessary improvements to Billingsley Road and the associated infrastructure (drainage, shoulders, etc.) to improve road and driver safety.

Project Status

Soil borings have been completed that are needed for stormwater management design. Design consultant currently working on step 2 of the stormwater management review process. Contractor continuing removal of trees and stumps immediately adjacent to the roadway. Geotechnical report has been completed. Revised right of entry letters sent to property owners for archeological test pits needed for historic property determination and percolation tests needed for septic field relocation.

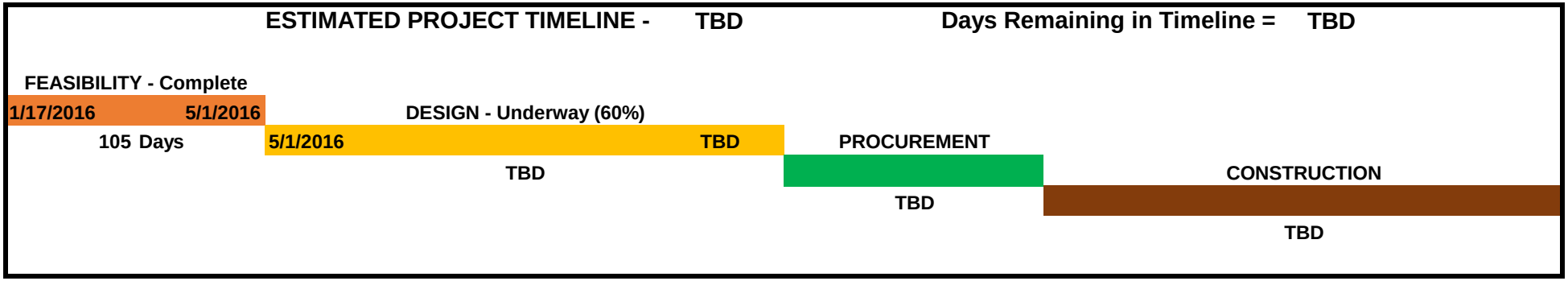
Three-Month Look Ahead

Expect to perform percolation tests needed for the relocation of septic fields. County Archeologist to be present to observe test pitting/percolation tests. Determine feasibility of moving forward after field tests are conducted.

Issues/Concerns

Impacts to four (4) properties due to stormwater management and changes in vertical alignment of the proposed roadway.
Major delays experienced due to (1) Right of Entry Agreements (120 days); (2) Geotechnical Work (30 days); (3) Historical Assessment of properties (30 days); (4) Coordination with Health Department for septic repair areas (30 days).

Project Summary



Bel Alton High School Window Replacement

Project Purpose/Background

The main Bel Alton High School Building was last used by the Bel Alton High School Alumni Association that operated the facility as a community center from 2006 through January 2015. The County is currently in the planning stage of facilitating new tenants. Before the facility can be re-occupied, interior repairs/modifications are required and the existing windows need replacing. The existing windows no longer provide proper thermal/moisture control barriers, and the paint has peeled from numerous surfaces exposing the wood to direct sunlight and moisture. The majority of the wood components have expanded, contracted, and softened over time, compromising the integrity of the windows. In several locations, there are obvious holes in the wood and in most locations, the movement of the wood has caused the windows and frames to shift and misalign to a degree that they are out of square and do not appropriately seal. As a result, window replacement is unavoidable. Stucco failure at the windows has been observed around the building. Cracking and delamination is most dominant directly below the window sills.

Project Status

The County has engaged an architectural consultant to determine the extent of the repairs needed. The proposed project scope to replace the windows was submitted to the Maryland Historical Trust (MHT) for review. MHT rejected the County's proposal to replace the windows and requested that a sash by sash assessment be performed and submitted for further review and approval. Capital Services staff is currently performing the sash assessment with assistance from DPW/Facilities staff. **A grant of $100K was approved by the Board of Public Works on May 10, 2017.**

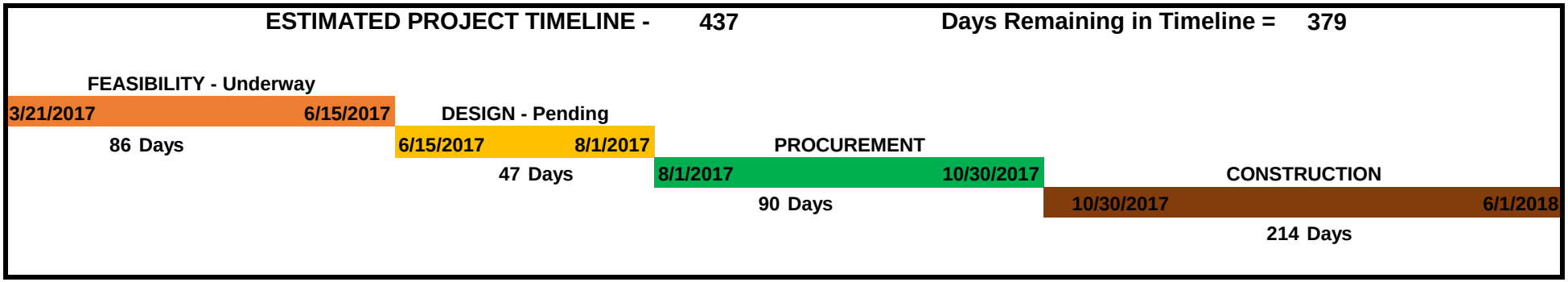
Three-Month Look Ahead

Complete and submit sash assessment to MHT; receive comments from MHT; complete design drawings; and advertise for construction.

Issues/Concerns

Lead paint test results show traces of lead in the majority of the window material that will not require abatement. The exterior casing is lead positive and will require remediation.

Project Summary



Government Building Atrium/Security Renovations

Project Purpose/Background

Provide architectural, structural, mechanical, electrical, and plumbing design drawings as necessary for the installation of security upgrades for the atrium of the Charles County Government building. Services provided shall be based on the layout selected from preliminary engineering and drawings prepared previously.

Project Status

Design underway and is 83% complete. Purchase order issued for additional design services to incorporate new HVAC units. Design on schedule for completion by June 1, 2017.

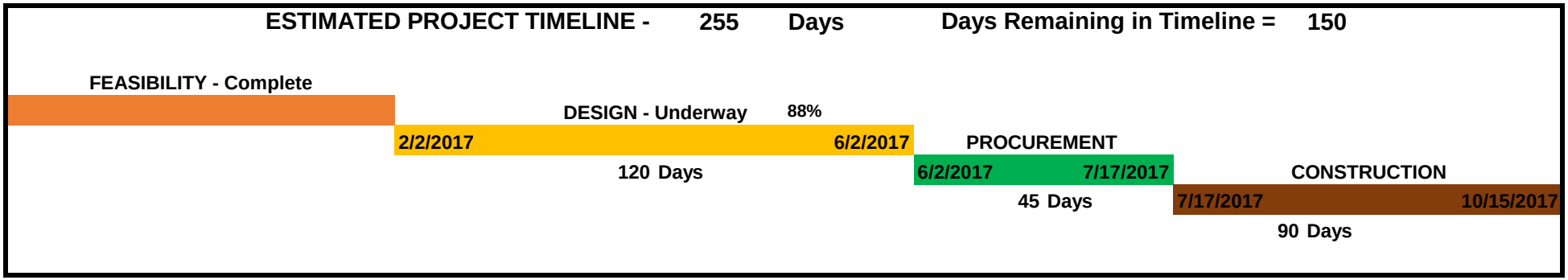
Three-Month Look Ahead

Complete design, obtain permit, and advertise for construction.

Issues/Concerns

None.

Project Summary



Government Building Solar Parking Canopies

Project Purpose/Background

In an effort to reduce electrical costs, solar parking canopies will be installed at the Government Building Complex, which will result in an average annual cost savings of $35,300. This represents a 15.6% cost reduction.

Project Status

Received proposed Amendment to the Power Purchase Agreement (PPA) from Solar City requesting a revised Operation Date of September 2018.

County sent letter notifying Solar City that the proposed Start of Operation date is not acceptable. **County staff currently negotiating a new Commercial Operation Date as set forth in the PPA.**

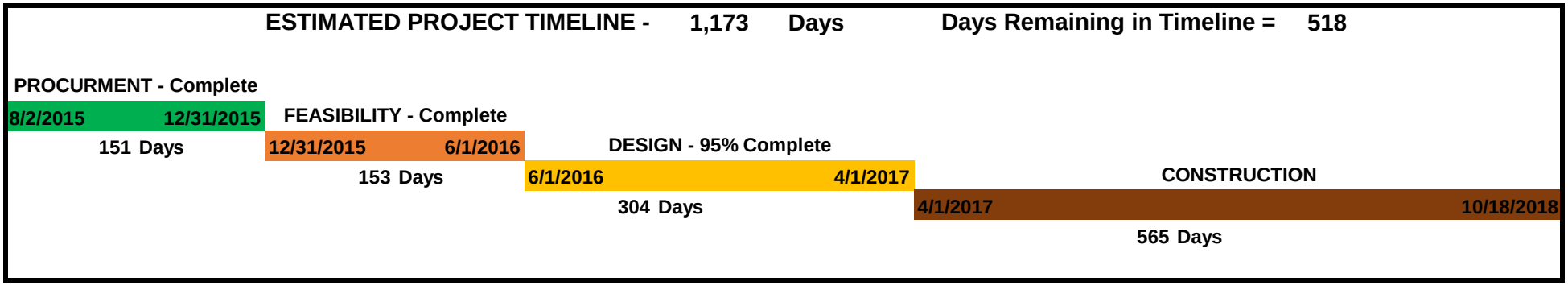
Three-Month Look Ahead

Negotiate new Start of Operation Date.

Issues/Concerns

Solar Contractor asserts that the influx of solar projects in Maryland has created a shortage of available subcontractors to install the solar parking canopies.

Project Summary



Health Department Roof Replacement

Project Purpose/Background

The existing roof surface layer at the Health Department (HD) has outlived its serviceable life and is in need of replacement. In 2015, an evaluation of the roof and coating system was performed and out of three recommended repair options, the County originally selected a roof recovery option which involved construction of a new thermoplastic polyolefin (TPO) single-ply membrane roof over the existing metal roof. Due to complications with relocating HD staff, design has been revised to a 10-year roof coating overlay with no structural upgrades required.

Project Status

Re-design underway for roof coating membrane. Membrane coating will not require relocation of HD staff or structural upgrades. Replacement of the rooftop A/C units will be included as part of this project.

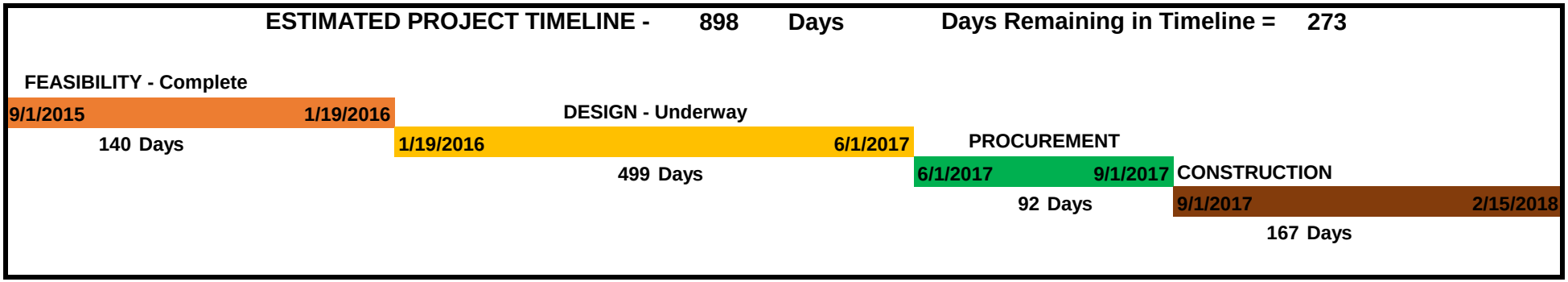
Three-Month Look Ahead

Complete design for roof membrane coating, advertise and award construction contract.

Issues/Concerns

Coordination of roof membrane and replacement of A/C units.

Project Summary



Jenkins Lane Waterline Extension

Project Purpose/Background

The production wells for the Jenkins Lane Water Company were in need for repairs/upgrades to be in compliance with MDE regulations. The community petitioned the County to provide design and construction services for a new waterline. The County allowed the community to temporarily connect to the public water system while the new water line was being designed and constructed. The construction contract was awarded for $962K. County staff assisted the community in obtaining a grant from MDE to offset up to $240K of the construction costs.

Project Status

Construction began on March 17, 2017 and is currently 50% complete. The water main has been installed and house connection started mid- May.

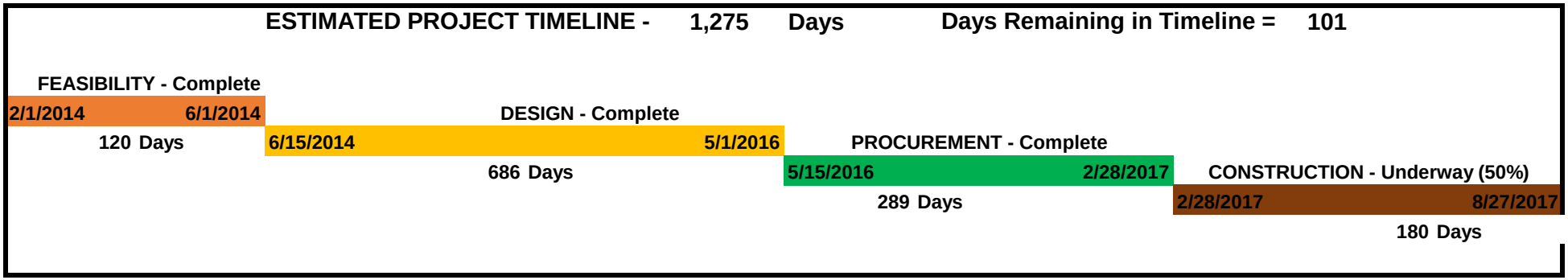
Three-Month Look Ahead

Complete construction and place waterline in service.

Issues/Concerns

Homeowners are responsible for their service connections and are experiencing difficulty obtaining services from a single contractor to install all of the house connections. Contractors were either lacking manpower for the work or expressed concerns over collecting payment from a multitude of individual homeowners.

Project Summary



McDaniel Road/Smallwood Drive Traffic Signal Improvements

Project Purpose/Background

Project resulted from a traffic warrant analysis completed in May 2016. After review by the Traffic Safety Committee due to complaints from residents regarding difficulty making U-turns and left turn movements from McDaniel Road, it was determined that a traffic signal should be placed at this location. Elm Street Development is providing $50K toward the cost of construction.

Project Status

Design performed via task order consultant and is complete. Proposals to construct the improvements have been obtained and will be performed via piggyback contracts.

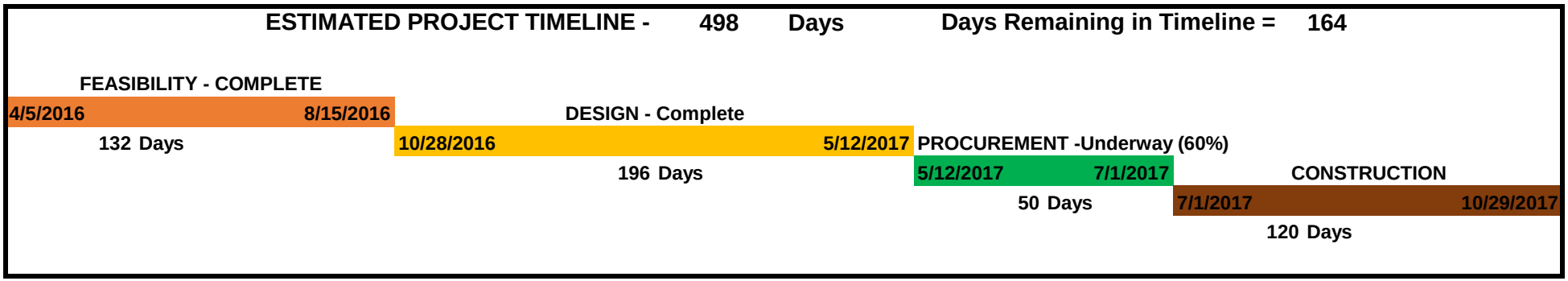
Three-Month Look Ahead

Issue Purchase Orders for traffic signal installation, concrete site work, and paving. Complete procurement for construction services, and start construction.

Issues/Concerns

- Traffic signalization programming will not be performed by the State Highway Administrations (SHA) as in the past and therefore will have to be contracted by the County.
- Since the County will be responsible for traffic signal maintenance, a maintenance contract will be needed prior to placing signal in service.

Project Summary



Middletown Road/Billingsley Road Roundabout

Project Purpose/Background

Traffic backups exist during peak vehicular volume times at the existing 3-way stop located at Billingsley Road and Middletown Road. This project will allow traffic flow to move more freely through a two-lane roundabout. The project will include construction of a 2-lane roundabout and 800 linear feet of 4-lane divided highway from a signalized intersection to the roundabout to meet the ultimate roadway classification for Middletown Road.

Project Status

Construction continuing. All right of entry agreements have been signed allowing construction to continue. Contract project completion date remains at December 15, 2017.

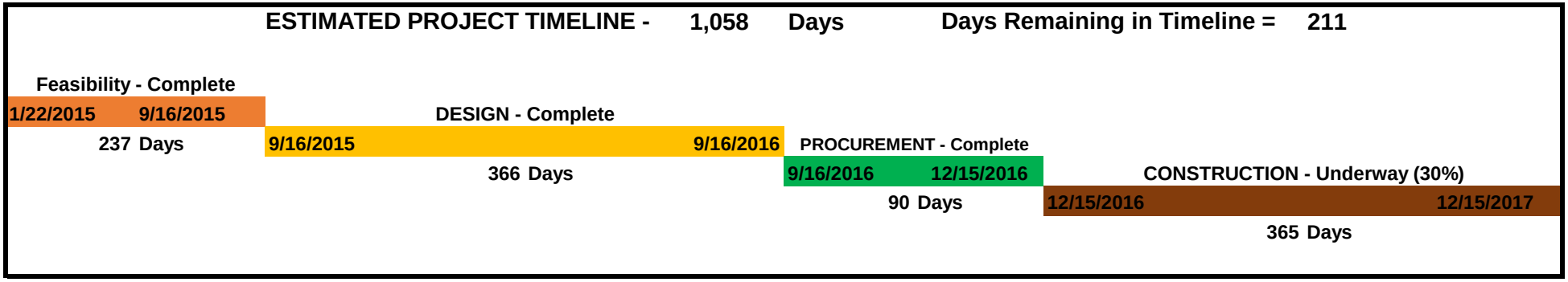
Three-Month Look Ahead

Demolition of red barn and continue construction activities.

Issues/Concerns

Some work had to be perform out of sequence due to storm drain revisions. This may cause some delays.

Project Summary



Rectangular Rapid Flashing Beacons

Project Purpose/Background

At the request of the Charles County Traffic Safety Committee, the Capital Services Division coordinated with the equipment manufacturer and a construction contractor to install Rectangular Rapid Flashing Beacons (RRFBs) in response to two (2) pedestrian accidents on McDaniel Road and Middletown Road.

When used, pedestrians are to utilize these beacons by pressing a button prior to crossing. This will cause LED lights mounted under the pedestrian warning signs (beacons) to flash rapidly. The beacons bring attention to the presence of a pedestrian in the area of the crosswalk and drivers need to obey traffic laws requiring them to stop for pedestrians. Pedestrians still need to exercise caution when crossing the roadway. Bicyclists will need to dismount and walk across the road as a pedestrian.

Project Status

RRFBs have been installed at the following four (4) locations:

- Middletown Road at Tower Mill Lane
- Middletown Road at Ethridge/Biltmore Drives
- Middletown Road at Frankfurt Drive
- McDaniel Road at Piney Branch Bridge

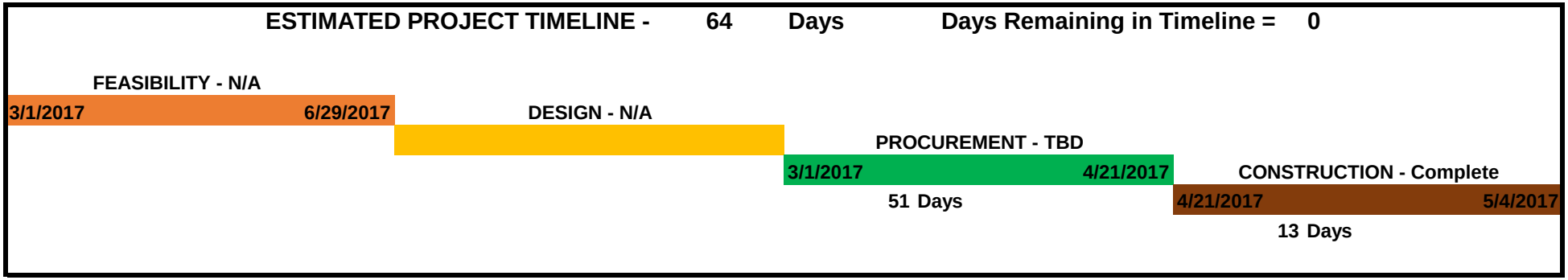
Three-Month Look Ahead

Closeout Project

Issues/Concerns

None.

Project Summary



Solar Power Purchase Program

Project Purpose/Background

In an effort to reduce electrical costs, the County initiated its Solar Power Purchase Program in the fall of 2015 by competitively soliciting proposals from qualified solar power providers. As a result of the solicitation, the County issued letters of intent to three solar energy companies. The County's solar power initiative is an on-going program with a goal of having 100% of the County's electricity demand provided through solar energy, which would result in an average annual cost savings of more than $715K. This represents a 32% cost savings.

Project Status

A Power Purchase Agreement (PPA) between the County and Energy Ventures LLC signed on May 1, 2017. County to purchase solar energy generated on a privately owned site located in Prince George's County. Start of construction: Spring 2017; Completion: December 2017. Energy Ventures LLC also exploring County owned properties for solar opportunities.

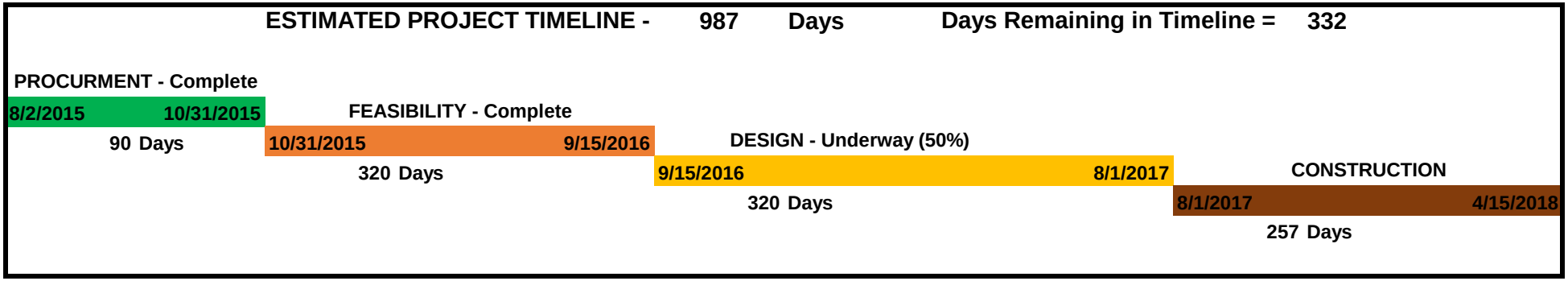
Three-Month Look Ahead

Expect to receive approval of interconnection application from SMECO and start construction. Solar providers to explore other County owned properties for other prospective solar sites.

Issues/Concerns

Declining value of renewable energy credits (RECs) will impact overall savings for County.

Project Summary



Southern Maryland Stadium Seating Area Cover/Roofing

Project Purpose/Background

Perform a feasibility study on providing a protected/covered roofing system to cover the seating area to facilitate a venue for multiple spectator events and extend the viewing seasons.

Project Status

Conceptual design provided to County for review proposes two (2) design alternatives covering 50% of the available seating (1,482). A flat rigid canopy at an estimated cost of $672K and an arched fabric canopy with an estimated cost of $998K. The architect coordinating design concept with structural engineer and then will develop estimated construction costs.

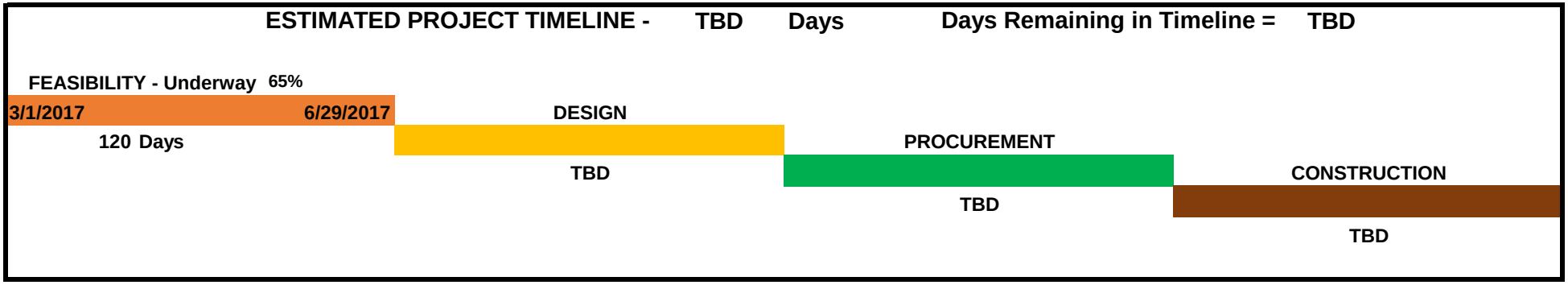
Three-Month Look Ahead

Complete feasibility/concept design report, issue design contract and start full design.

Issues/Concerns

None.

Project Summary



Western Parkway Phase 2

Project Purpose/Background

The Western Parkway, Phase 2 project involves rehabilitation of the existing roadway and stormwater drainage between Acton Lane and Pierce Road. Phase 2 is the next phase of improvements for a north/south alternative route to US 301 that will facilitate local vehicular traffic within Waldorf. The existing roadway will be upgraded to a four-lane divided highway of Minor Arterial Parkway classification. Auxiliary lanes are proposed for deceleration and acceleration at intersections and entrances where right-of-way width is sufficient to allow such improvements.

Project Status

- Construction continuing, utility companies relocating existing utilities that are in conflict with the proposed improvements.
- Field changes required and are being coordinated with PGM/CPIS and DPW/Utilities.

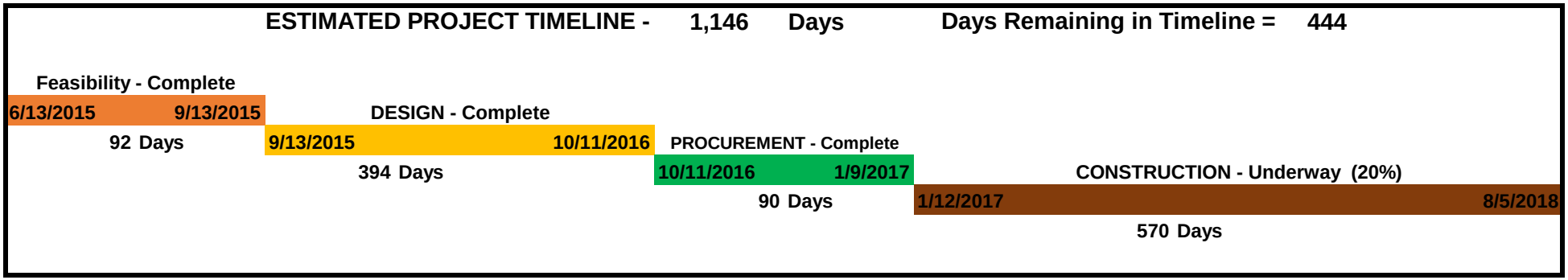
Three-Month Look Ahead

Continue relocation of existing utilities. Continue construction activities.

Issues/Concerns

- Roadway closures/detours to be proposed by contractor to avoid delays (single lane closures) and create a safer work area.
- Permits with Army Corp. of Engineers (ACOE) and MDE have been resolved through discussion with ACOE.
- Costs for relocating existing Verizon lines, while Comcast, Washington Gas, and SMECO will perform relocations at no cost to the County. Relocation of the utilities is causing a delay in project schedule.

Project Summary



Western Parkway Phase 3B

Project Purpose/Background

The Western Parkway, Phase 3B project involves the construction of a new four-lane divided highway of Minor Arterial Parkway classification between Pierce Road and US 301 north of Mattawoman Drive. The Phase 3B project is the final phase of improvements for a north/south alternative route to US 301 that will facilitate local vehicular traffic within Waldorf. Additionally, this project will provide future links of the pedestrian and bicyclist facilities within the Waldorf Urban Core area.

Project Status

- County continues to work with new property owner on Memorandum of Understanding (MOU).
- Design for the permitted alignment is 30% (as of 2014) by developer's design consultant (Boehler Eng.).
- ACOE and MDE permits have been received and will expire December 21, 2020 and March 6, 2019, respectively.
- County continues to work with new property owner on MOU that will enable Capital Services Division to coordinate the completion of the design and begin procurement process for construction.

Three-Month Look Ahead

County Attorney's office to continue working with new property owner regarding the MOU.

Issues/Concerns

Reverting back to the original alignment requires revisions to the completed drawings and obtaining new permits (MDE, ACOE, SHA).

Project Summary