

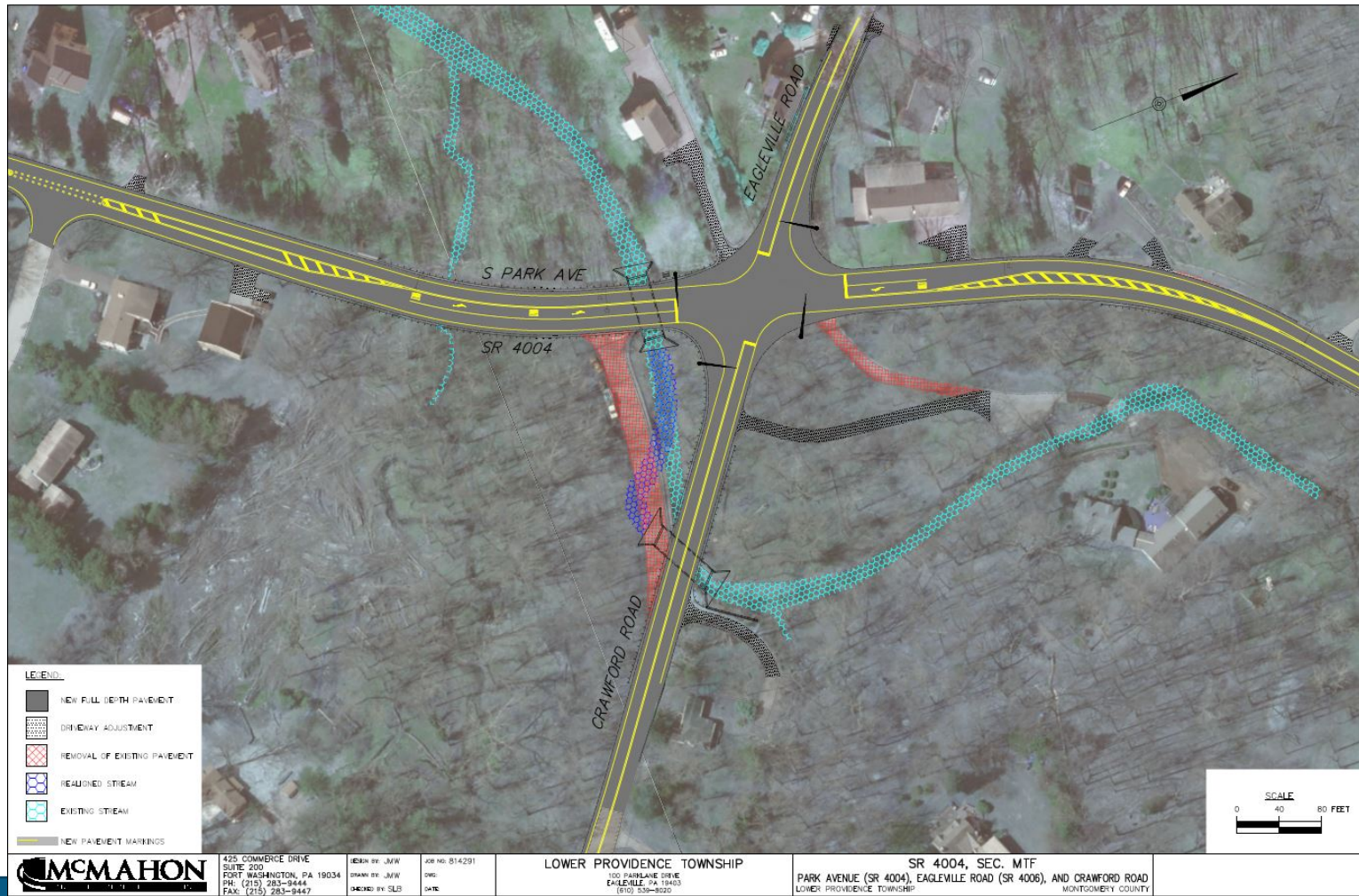


SR 4004, Sec. MTF MPMS #105077

Park Ave, Eagleville Rd, and
Crawford Rd Project Status Update

March 31, 2021

Mile High Project View - Refresh



Status Update Overview

- **Where We've Been in the last 12 Months**
 - Final Design – Approximately 85% Complete
 - Right of Way Acquisitions Ongoing
- **Where We're Going and How Are We Getting There?**
 - Right of Way Clearance
 - Utility Coordination and Clearance
 - PS&E Approval and Construction Let Date
- **Cost Estimates and Funding**
 - Right of Way
 - Construction
 - Cost Drivers
 - Overall Project Cost Update
- **Action Items**

Where We've Been

- **2020**
 - Significant Progress in Final Design – Estimated to be 85% Complete
 - Engineering design of the overall project is essentially complete, pending receipt of utility information
 - Several Final Plans ready for PennDOT approvals (Signing & Pavement Marking, Traffic Signal, Structures)
 - NPDES and Conservation District Approval Secured

(continued on next slide)

Where We've Been

- 2020
 - Right of Way Acquisitions (**16 properties**):
 - Detailed coordination with several property owners
 - **2** settlements, **4** donations, **4** payments in process, **3** verbal agreements, and **2** ongoing negotiations, **1** Declaration of Taking
 - Established R/W costs are much more concrete at this time
 - 75% Construction Cost Estimate Completed based on Final Design
 - Used the 2014 PennDOT MTF Grant Funds and continue with the Local Match requirement

Milestone Schedule

<p>➤ Right-of-Way</p> <ul style="list-style-type: none"> Final Right-of-Way Plans <ul style="list-style-type: none"> Draft Set Available: March 6, 2020 PennDOT R/W Meeting: May 13, 2020 Finalize Acquisition Plan: May 4, 2020, June 4, 2020 BOS Approved July 16, 2020 Right-of-Way Acquisition Process: July 2020 – June 2021 Right-of-Way Dedication Plan (to PennDOT): June 2021 		<ul style="list-style-type: none"> Structure Plans Submission: July 2020 (Crawford Culvert), Comments Received 8/27/2020 September 4, 2020 (Park Culvert) September 4, 2020 (Retaining Wall) Comments Received (Culverts) 1/14/2021 Resubmitted (Culverts) 2/1/2021
<p>➤ Preparation of Final Construction Drawings and “Also Included” Plans – Submissions and Approvals</p> <ul style="list-style-type: none"> Roadway Construction Plans <ul style="list-style-type: none"> Pavement Design: March 2021-On Hold for Utilities Approved December 4, 2020 Signing and Pavement Marking Plans: Submitted February 19, 2021 Erosion and Sedimentation Control Plans: Approved November 24, 2020 Traffic Control Plans <ul style="list-style-type: none"> Construction Staging Plans: Feb - March 2021 -On Hold for Utilities Temporary Traffic Signal Plans: February 2021 (Submission on Hold) Detour Plans: February 24, 2021 (Submission on Hold) Traffic Signal Plans: July 14, 2020 Submission, Review Received 8/11/2020 Re-Submission 10/9/2020 Review Received 1/28/2021 Resubmission with TE-160 2/11/2021 Cross-Sections: March 2021- On Hold for Utilities 		<ul style="list-style-type: none"> Structure Plans Approval: Culverts - March 2021 Retaining Wall – Pending Found. Appr
<p>➤ Geotechnical Approvals</p> <ul style="list-style-type: none"> Foundation Report – Park – Culvert: Approved June 16, 2020 CBR Recommendation Letter: Approved May 6, 2020 Foundation Report – Crawford – Culvert: Approved June 16, 2020 Foundation Reports – Crawford - Wall: Submitted September 4, 2020 Comments Received 1/26/2021 Resubmitted 02/17/2021 GER – Roadway and GRS: Submitted October 2, 2020 Approved December 12, 2020 		
<p>➤ Subsurface Utility Engineering</p> <ul style="list-style-type: none"> Update HOP for Test Holes/Permit Received: March 12, 2020 Complete remaining Test Holes: June 4, 2020 SUE Submission: March 2021 in URMS 		
<p>➤ Chapter 102 NPDES (National Pollutant Discharge Elimination System) and E&S Adequacy</p> <ul style="list-style-type: none"> Pre-App Meeting with MCCD: March 10, 2020 Application Submission: May 15, 2020 Application Review/Resubmission: May - September 2020, Resubmitted Sept 16, 2020, October 2020 Application Approval: Approved November 24, 2020 		

Milestone Schedule Cont'd

- Joint Permit Application and Stream Mitigation (Pending completion of certain tasks)
 - Final H&H Report Submitted September 17, 2020
 - Draft Application Package: October 2020 - January 2021
 - Application Submission: Submitted 2/7/2021
 - Application Review: February 2021 - March 2021
 - Application Approval: April 2021
- Utility Clearance
 - Utility Relocation Designs: July 31, 2020 – Still waiting for
 - Associated General Permits for Utility Relocations: October 1, 2020
 - D-4181 forms returned: July 31, 2020
 - D-419 Completed: October 1, 2020
 - Utility Relocation Plans: November 2020
 - Utility Clearance: January 2021
- Constructability Review
 - Draft Special Provisions March 2021
 - Plan Review March 2021
- Prepare and Submit Plans, Specifications, and Estimate Package for review and approval
 - Pre-PS&E Review April 2021
 - Construction Cost Estimates September 2020, February 2021
 - DM 3 Review (Plan Presentation) February 2021
 - Special Provisions March 2021
 - D-4232 Schedule March 2021
 - Environmental Constraints and Mitigation Tracking Sheet (ECMTS) March 2021
 - Cost Driver Analysis March 2021
 - ECMS submission required TBD
- Contract Administration Review and Approval
- Project Let Date: TBD (Estimate March 1, 2022) – Construction funding dependent



What is Holding Us Up?

- 2020
 - *Utilities, Utilities, Utilities...*
 - Initial Coordination meeting held **March 11, 2020**
 - Outlined schedule and need for their relocation information by **July 2020** to keep the project on schedule
 - *LPTSA design completed and on plans*
 - Awaiting relocation information from other impacted utilities as **March 2021**:
 1. Audubon Water Company
 2. PECO Electric – Finally making some progress
 3. Verizon and other aerial lines

What is Holding Us Up?

- **2020 - Utilities, Utilities, Utilities...What does this affect?**
 - Completion of **Utility Relocation Plans** and associated items for the PS&E Package
 - **General Permits** must be obtained by Utility for stream crossings
 - Showing proposed facilities on Construction Plans, Profiles, & Cross-Sections (affecting **Constructability and PS&E Plan submissions to PennDOT**)
 - **Construction Staging** and Coordination with Roadway, Structure, and ESC** plans
 - **Changes in staging may require amendments to NPDES Permit*
 - Completing **Construction Schedule** since their work is both coordinated and incorporated
 - Completing the **Utility Clearance Documents**

Where We're Going

- **2021**
 - Placing project on hold - need utility info
 - Complete tasks that are independent of Utilities
 - Continue Settling Right of Way Acquisitions
 - Continue pursuit of construction funding
 - Awaiting Outstanding Grant Application Decisions – Timeline Unknown
 - Construction \$\$ will determine Let Date schedule
 - Will need to establish let date BEFORE finalizing PS&E package so a re-do of final information is not required
 - Expect a 6-month timeframe will be necessary to complete PS&E package



Where We're Going

- **2022 and Beyond**
 - Two (2) full construction seasons/years estimated, dependent on utility work
 - Construction Inspection Agreement
 - Detours of Crawford/Eagleville and Park in different construction stages

Cost Estimates & Funding

- **Right of Way Costs to Date**
 - Based on approved appraisals and valuations, and offers through 3/12/21

		TOTAL	Appraisal Fee	Appraisal Review	FMV Offer	Pro-Rata Taxes	Comments	Engineer/Appraisal Reimbursement
Status as of 3/12/2021	TOTALS - HIGH (No Donations)	\$427,996.00	\$9,900.00	\$10,500.00	\$346,400.00	\$5,196.00		\$56,000.00
2 Donations 3 Settlements	TOTALS-MID (With Donations, and all reimbursements)	\$325,096.00	\$9,900.00	\$10,500.00	\$243,500.00	\$5,196.00		\$56,000.00
5 Verbal Agreements to Settle 5 In Negotiations	TOTALS-LOW1 (With Donations, and Settlements Eliminating Reimbursements)	\$309,096.00	\$9,900.00	\$10,500.00	\$243,500.00	\$5,196.00		\$40,000.00
	TOTALS-LOW2 (With Donations, Settlements, and Anticipated Settlements eliminating Appraisal Reimb)	\$289,096.00	\$9,900.00	\$10,500.00	\$243,500.00	\$5,196.00		\$20,000.00

Using **Totals-MID** as a conservative estimate

Cost Estimates & Funding

- **75% Construction Cost Estimate**
 - Based on quantities and ECMS price history as of 2/26/2021
 - 147 Line Items to date in the estimate
 - Inspection must be 10% of Construction Cost per PennDOT
 - Escalated for March 2022 letting

\$7,493,226 – Construction Cost Estimate

\$749,323 – Construction Inspection

\$8,242,556 – Construction & Inspection

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Cost Estimates & Funding

- **75% Construction Cost Estimate (over 140 line items)**

Item No.	Description	Unit	Qty	Unit Cost	Total Cost	Item No.	Description	Unit	Qty	Unit Cost	Total Cost	Item No.	Description	Unit	Qty	Unit Cost	Total Cost	Item No.	Description	Unit	Qty	Unit Cost	Total Cost
0201-0001	CLEARING AND GRUBBING	LF	600	\$150.00	\$90,000	0688-0020	MICROCOMPUTER, TYPE C	LS	1	\$4,000.00	\$4,000.00	4952-0000	TIME CLOCK, GPS	EACH	1	\$1,500.00	\$1,500.00						
0201-0002	CLASS I EXCAVATION	LF	3,000	\$30.00	\$90,000	0689-0001	NARRATIVE SCHEDULE	LS	1	\$3,300.00	\$3,300.00	4954-0002	2 INCH CONDUIT	LF	364	\$4.50	\$1,638.00						
0203-0004	CLASS II EXCAVATION	LF	600	\$30.00	\$18,000	0690-0001	INTERNAL FACILITATION	DOLLAR	1	\$5,000.00	\$5,000.00	0954-0010	3 INCH CONDUIT	LF	566	\$6.50	\$3,679.00						
0203-0005	CLASS III EXCAVATION	LF	3,000	\$30.00	\$90,000	0702-0002	NO. 1/2 COARSE AGGREGATE	CY	20	\$150.00	\$3,000.00	0954-0011	TRENCH AND BACKFILL, TYPE I	LF	238	\$15.00	\$3,570.00						
0203-0006	CLASS IV EXCAVATION	LF	3,000	\$30.00	\$90,000	0703-0025	NO. 1/2 COARSE AGGREGATE	CY	368	\$75.00	\$27,600.00	0954-0053	TRENCH AND BACKFILL, TYPE II	LF	78	\$85.00	\$6,630.00						
0204-0001	CLASS I EXCAVATION	LF	100	\$90.00	\$9,000.00	0803-0001	PLACING STOCKPILED TOPSOIL	CY	504	\$25.00	\$12,600.00	0954-0202	SIGNAL CABLE, 1/2 AVS, 5 CONDUCTOR	LF	2,250	\$4.50	\$10,125.00						
0204-0002	CLASS II EXCAVATION	LF	100	\$90.00	\$9,000.00	0804-0001	SEEDING - FORMULA B, INCLUDING MULCH	LB	467	\$25.00	\$11,675.00	0954-0202	SIGNAL CABLE, 1/2 AVS, 7 CONDUCTOR	LF	350	\$5.75	\$2,012.50						
0205-0001	COMMON BORROW EXCAVATION	CY	6,000	\$95.00	\$570,000.00	0805-0005	SEEDING - FORMULA E, INCLUDING MULCH	LB	70	\$350.00	\$24,500.00	4954-0002	ELECTRICAL SERVICE, TYPE B	EACH	2	\$850.00	\$1,700.00						
0205-0002	COMMON BORROW EXCAVATION	CY	4,000	\$95.00	\$380,000.00	0806-0121	TEMPORARY SHOT-TERM, ROLLED EROSION CONTROL	SY	5,393	\$20.00	\$10,786.00	4954-0002	ELECTRICAL SERVICE, TYPE C	EACH	3	\$1,700.00	\$5,100.00						
0212-0001	GEOTECH/TE CLASS I	SY	14,409	\$2.25	\$32,420.25	0806-0140	PERMANENT ROLLED EROSION CONTROL PRODUCT, TYPE	SY	1,872	\$5.00	\$9,360.00	4954-0002	UNDERGROUND POWER SUPPLY (UPS), LED INDICATOR	EACH	1	\$7,500.00	\$7,500.00						
0212-0002	GEOTECH/TE CLASS I, TYPE A	SY	46	\$25.00	\$1,150.00	0807-0001	SEEDING - FORMULA A, INCLUDING MULCH	LB	504	\$35.00	\$17,640.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0212-0003	GEOTECH/TE CLASS I, TYPE B	SY	14,409	\$2.25	\$32,420.25	0808-0001	TEMPORARY PROTECTIVE FENCE	LF	904	\$5.00	\$4,520.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0213-0422	SAND, BASE COURSE, PG 645-22, 0.3 TO 3 MILLION EALS,	SY	1,944	\$25.00	\$48,600.00	0845-0001	UNFORESEEN WATER POLLUTION CONTROL	DOLLAR	1	\$20,000.00	\$20,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0213-0423	SAND, BASE COURSE, PG 645-22, 0.3 TO 3 MILLION EALS,	SY	1,944	\$25.00	\$48,600.00	0846-0020	ROCK CONSTRUCTION ENTRANCE WITH VASH RACK	EACH	6	\$2,500.00	\$15,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0213-0424	SUBBASE R-1 (DEPTH 2 IN.)	SY	1,944	\$25.00	\$48,600.00	0846-0020	ROCK CONSTRUCTION ENTRANCE WITH VASH RACK	EACH	6	\$2,500.00	\$15,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0402-0402	SAND, SEAMING COURSE, PG 645-22, 0.3 TO 3 MILLION EALS, 3/8" MINIMUM	SY	10,658	\$12.00	\$127,896.00	0950-0031	ROCK, CLASS R-3	CY	322	\$55.00	\$17,710.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0413-0405	SAND, SEAMING COURSE, PG 645-22, 0.3 TO 3 MILLION EALS, 3/8" MINIMUM	SY	10,658	\$12.00	\$127,896.00	0950-0032	ROCK, CLASS R-4	CY	5	\$120.00	\$600.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0401-0001	ASPHALT TACK COAT	SY	15,231	\$0.75	\$11,423.25	0950-0033	ROCK, CLASS R-6	CY	543	\$60.00	\$32,580.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0401-0002	MILK OF ASPHALT PAVEMENT SURFACE, 1/2" DEPTH, MILLED MATERIAL, RETAINED BY CONTRACTOR	SY	261	\$13.00	\$3,393.00	0951-0003	ROCK, CLASS R-6	CY	543	\$60.00	\$32,580.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0601-6421	24" X 3" ELLIPTICAL REINFORCED CONCRETE PIPE, TYPE A	LF	358	\$275.00	\$98,450.00	0955-0003	PUMPED WATER FILTER BAG	EACH	8	\$1,500.00	\$12,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0601-6422	36" X 3" ELLIPTICAL REINFORCED CONCRETE PIPE, TYPE A	LF	69	\$1,050.00	\$72,450.00	0955-0004	REPLACEMENT PUMPED WATER FILTER BAG	EACH	8	\$1,500.00	\$12,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0601-6423	48" X 3" ELLIPTICAL REINFORCED CONCRETE PIPE, TYPE A	LF	69	\$1,050.00	\$72,450.00	0956-0000	INLET FILTER BAG FOR TYPE M INLET	EACH	7	\$250.00	\$1,750.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0601-7014	36" REINFORCED CONCRETE PIPE, TYPE A, 10' YEAR DESIGN	LF	167	\$265.00	\$44,255.00	0956-0002	INLET FILTER BAG FOR TYPE C INLET	EACH	7	\$250.00	\$1,750.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0601-7509	18" REINFORCED CONCRETE PIPE, TYPE A, 10' YEAR DESIGN	LF	167	\$265.00	\$44,255.00	0956-0003	CONCRETE BLOCK/GRAVEL INLET PROTECTION FOR TYPE M	EACH	2	\$500.00	\$1,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0604-7509	36" REINFORCED CONCRETE PIPE, TYPE A, 10' YEAR DESIGN	LF	167	\$265.00	\$44,255.00	0956-0004	SILT BARRIER FENCE, 10' HEIGHT	LF	30	\$1,000.00	\$30,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2404	TYPE D INVOVAL FOR 18" PIPE	EACH	4	\$1,000.00	\$4,000.00	0956-0005	HEAVY DUTY SILT BARRIER FENCE	LF	135	\$15.00	\$2,025.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2405	TYPE D INVOVAL FOR 36" PIPE, MODIFIED FOR ELLIPTICAL	EACH	4	\$1,000.00	\$4,000.00	0957-0001	COMPOST FILTER SOCK, 12" DIAMETER	LF	1,218	\$7.00	\$8,526.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2406	TYPE D INVOVAL FOR 72" PIPE, MODIFIED FOR ELLIPTICAL	EACH	2	\$1,000.00	\$2,000.00	0957-0002	COMPOST FILTER SOCK, 18" DIAMETER	LF	174	\$15.00	\$2,610.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2407	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0003	COMPOST FILTER SOCK, 24" DIAMETER	LF	773	\$10.00	\$7,730.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2408	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0004	CONCRETE ANTI-SEEP COLLAR	EACH	3	\$1,500.00	\$4,500.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2409	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0005	CONCRETE OUTLET STRUCTURE, TYPE A	EACH	3	\$1,500.00	\$4,500.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2410	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0006	CONCRETE OUTLET STRUCTURE, TYPE B	EACH	2	\$1,500.00	\$3,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2411	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0007	CONCRETE OUTLET STRUCTURE, TYPE C	EACH	2	\$1,500.00	\$3,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2412	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0008	CONCRETE OUTLET STRUCTURE, TYPE D	EACH	2	\$1,500.00	\$3,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2413	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0009	CONCRETE OUTLET STRUCTURE, TYPE E	EACH	2	\$1,500.00	\$3,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2414	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0010	CONCRETE OUTLET STRUCTURE, TYPE F	EACH	2	\$1,500.00	\$3,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2415	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0011	CONCRETE OUTLET STRUCTURE, TYPE G	EACH	2	\$1,500.00	\$3,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2416	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0012	CONCRETE OUTLET STRUCTURE, TYPE H	EACH	2	\$1,500.00	\$3,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2417	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0013	CONCRETE OUTLET STRUCTURE, TYPE I	EACH	2	\$1,500.00	\$3,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2418	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0014	CONCRETE OUTLET STRUCTURE, TYPE J	EACH	2	\$1,500.00	\$3,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2419	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0015	CONCRETE OUTLET STRUCTURE, TYPE K	EACH	2	\$1,500.00	\$3,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2420	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0016	CONCRETE OUTLET STRUCTURE, TYPE L	EACH	2	\$1,500.00	\$3,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2421	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0017	CONCRETE OUTLET STRUCTURE, TYPE M	EACH	2	\$1,500.00	\$3,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2422	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0018	CONCRETE OUTLET STRUCTURE, TYPE N	EACH	2	\$1,500.00	\$3,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2423	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0019	CONCRETE OUTLET STRUCTURE, TYPE O	EACH	2	\$1,500.00	\$3,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2424	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0020	CONCRETE OUTLET STRUCTURE, TYPE P	EACH	2	\$1,500.00	\$3,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2425	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0021	CONCRETE OUTLET STRUCTURE, TYPE Q	EACH	2	\$1,500.00	\$3,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2426	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0022	CONCRETE OUTLET STRUCTURE, TYPE R	EACH	2	\$1,500.00	\$3,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2427	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0023	CONCRETE OUTLET STRUCTURE, TYPE S	EACH	2	\$1,500.00	\$3,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2428	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0024	CONCRETE OUTLET STRUCTURE, TYPE T	EACH	2	\$1,500.00	\$3,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2429	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0025	CONCRETE OUTLET STRUCTURE, TYPE U	EACH	2	\$1,500.00	\$3,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2430	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0026	CONCRETE OUTLET STRUCTURE, TYPE V	EACH	2	\$1,500.00	\$3,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2431	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0027	CONCRETE OUTLET STRUCTURE, TYPE W	EACH	2	\$1,500.00	\$3,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2432	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0028	CONCRETE OUTLET STRUCTURE, TYPE X	EACH	2	\$1,500.00	\$3,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2433	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0029	CONCRETE OUTLET STRUCTURE, TYPE Y	EACH	2	\$1,500.00	\$3,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2434	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0030	CONCRETE OUTLET STRUCTURE, TYPE Z	EACH	2	\$1,500.00	\$3,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$950.00	\$12,350.00						
0605-2435	TYPE D INVOVAL CONCRETE TOP UNIT AND BICYCLE SAFE	SET	2	\$1,000.00	\$2,000.00	0957-0031	CONCRETE OUTLET STRUCTURE, TYPE AA	EACH	2	\$1,500.00	\$3,000.00	0954-0002	VEHICULAR SIGNAL, RED, 3" X 6" SECTION	LF	13	\$							

Cost Estimates & Funding

- **Cost Drivers Remaining**
 - Utility Relocations and Cost Sharing, if applicable
 - Actual Construction Dates
 - Final Design Engineering – Out of Scope/Supplemental Services

Final Design Supplement

- Supplement is necessary as a result of the Out of Scope Services and Time Delay
 - To be coordinated and reviewed with PennDOT/PM
 - *Supplement to be from allotted match dollars Township already has for project but used in pre-con phase*
 - Primarily a McMahon supplement
 - Will be entered into ECMS and tracked as part of the total project
 - Necessary to Continue Progressing the Final Design Phase of the Project / Highlights AFTER Utility information is received

Cost Estimate & Funding with FD Supplement

- Overall Project Cost Estimate with Grant Awards & FD Supplement

Engineer's Opinion of Cost 75% Construction Estimate										
Project: Park Ave-Eagleville Rd-Crawford Rd Inter Realign										
Applicant: Lower Providence Township										
A	B	C	D	E	F	G	H	I	J	K
	Total	PennDOT 2014 MTF Award***	PennDOT 2014 Matching Funds***	PennDOT 2017-2018 MTF Award	PennDOT 2017-2018 Matching Funds	DCED 2019 MTF Award	DCED 2020 MTF Grant Request	2021-2022 PennDOT MTF Grant Request	2021-2022 PennDOT MTF Matching Funds	Funding Surplus (If all grants are received)
Administrative	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Contingency	\$ 313,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 100,000	\$ 130,000	\$ 83,000	\$ -
Preliminary Engineering	\$ 748,607	\$ 600,000	\$ 148,607	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Environmental Clearance	\$ 76,758	\$ 76,758	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Final Design	\$ 1,022,628	\$ 323,242	\$ 690,022	\$ -	\$ 9,364	\$ -	\$ -	\$ -	\$ -	\$ -
Final Design Supp 2 - Estimate	\$ 215,636				\$ 215,636					
Right-of-Way	\$ 330,000			\$ -	\$ 330,000	\$ -	\$ -			\$ -
Utilities	\$ -			\$ -		\$ -	\$ -	\$ -		\$ -
Utilities (Engineering LPTSA)	\$ 25,000				\$ 25,000					
Construction	\$ 7,500,000	\$ -	\$ -	\$ 2,000,000		\$ 1,000,000	\$ 1,900,000	\$ 2,551,629	\$ 48,371	\$ -
Inspection	\$ 750,000	\$ -	\$ -	\$ -	\$ 20,000	\$ -	\$ -	\$ 730,000	\$ -	\$ -
Total	\$ 10,981,629	\$ 1,000,000	\$ 838,629	\$ 2,000,000	\$ 600,000	\$ 1,000,000	\$ 2,000,000	\$ 2,681,629	\$ 861,371	\$ 63,975

75% Final Design CONSTRUCTION & INSPECTION ESTIMATE 02/2021	\$ 8,893,000
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TOTAL LOCAL MATCH COMMITMENT ACROSS ALL GRANTS	\$ 2,300,000	\$ 2,300,000	\$ -	Total of Columns D+F+J
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PennDOT MTF Grant Request	\$ 2,745,601
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32%

Grants Under Review

Project Action Items - Summary

1. Final Design & Supplement

- PS&E components to be put **On-Hold** until additional utility info is available
 - Constructability Submission Package (Includes Specifications and Construction Schedule)
 - Utility Clearance Package
 - DM3 – Plan Presentation Review
 - ECMS Document Development and Upload
- Township Review/Approval of Supplement Technical Scope and Price
- Coordination with PennDOT PM to enter into ECMS
- Execution and Approval Process through ECMS

Project Action Items – Summary

2. Utility Coordination

- Continue to press Utility Facility Owners to complete and provide designs, forms, specifications
- Coordinate on construction phasing details and timelines
- Upload project info to New PennDOT URMS system

Project Action Items – Summary

3. Construction Funding and Let Date

- Wait for current grant announcements
 - o DCED maybe April or May 2021
 - o PennDOT MTF-Unknown
- Township to reach out to its Legislators & PennDOT
- Submit additional funding applications if available
 - o 2021 MTF rounds have not be opened yet
 - o Prefer to know the status of 2020 applications

Thank You!

Questions

