

2022 PAPA Bus Tour

July 26, 2022

District 8-0



Table of Contents

Overall Map.....2

SR 0083-043.....3

SR 0022-076.....6

SR 0022-074.....8

SR 0022-097.....10

SR 0022-096.....13

SR 0011-108.....16

SR 0081-087.....19

SR 0081-071.....21

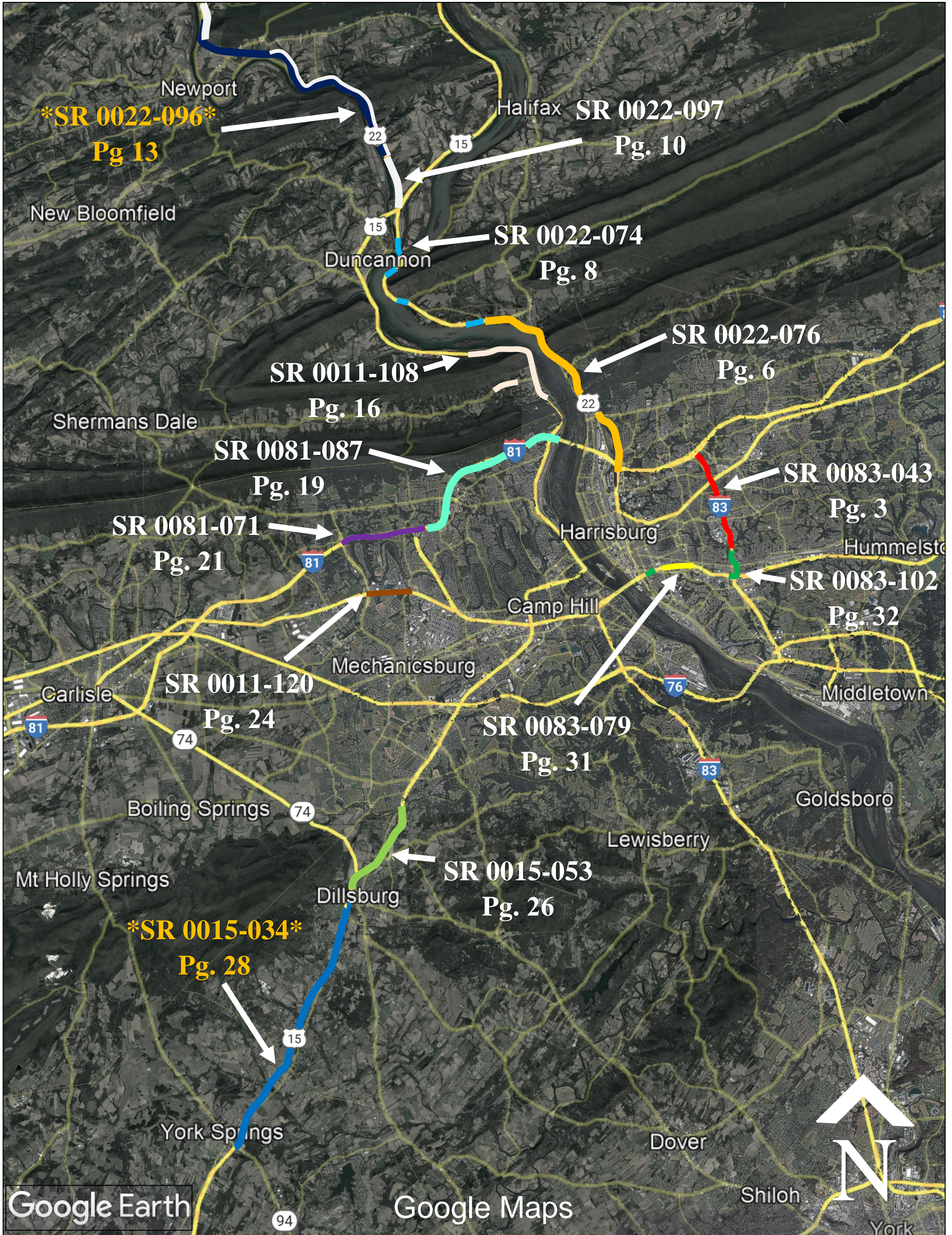
SR 0011-120.....24

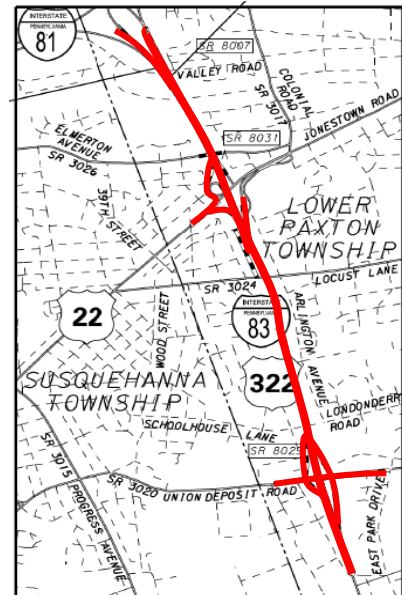
SR 0015-053.....26

SR 0015-034.....28

SR 0083-079.....31

SR 0083-102.....32

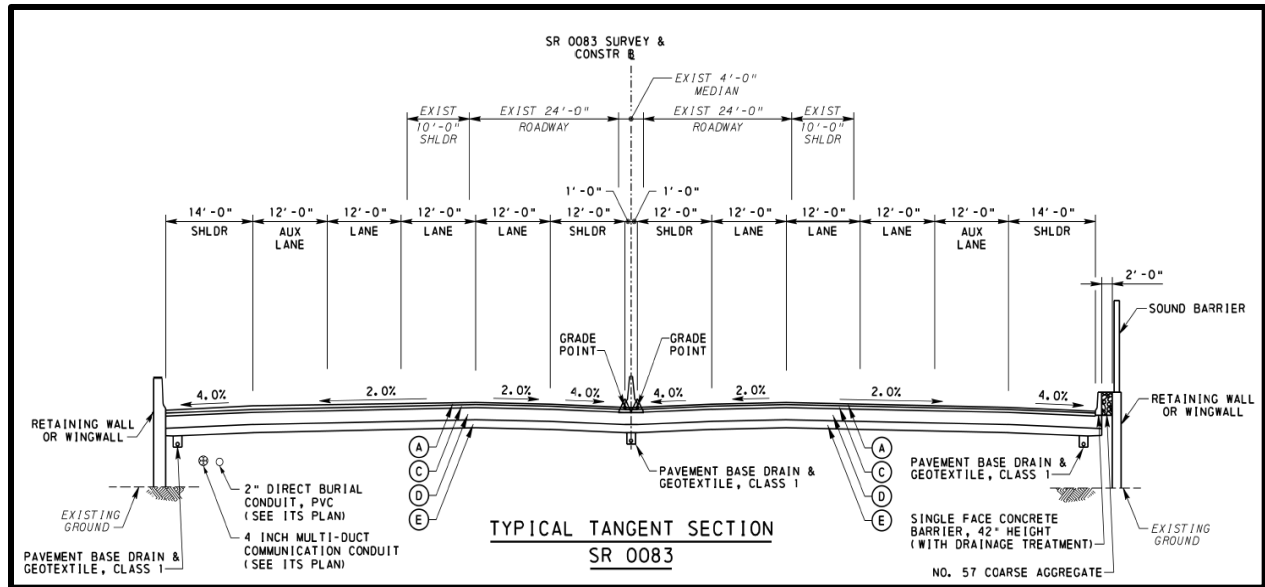


ECMS 70024 – I-83 East Shore Section 1 – Dauphin County**SR 0083-043****Contractor:** J.D. Eckman, Inc.**Original Contract Value:** \$ 104,747,344.40**Current Contract Value:** \$ 108,313,970.69**Notice to Proceed:** 8/6/2018**Current Completion Date:** 11/24/2021**Project Description:**

The work for this project includes the widening and reconstruction of I-83, from I-81 junction to south of Union Deposit Road Interchange, to three lanes in each direction throughout the project, plus a fourth continuous auxiliary lane in each direction between interchanges. Overall project length was approximately 2.771 miles. The project also included the replacement of mainline bridges over Londonderry Road, Megoulas Boulevard, Locust Lane, and Valley Road. Other features include the extension of a box culvert carrying Slotznick Run, 11 Design/Build ground mounted sound barriers, six retaining walls with sound barriers, nine overhead structures, and nine stormwater management basins (converted two basins from previous project).

The project was constructed in three main stages:

- **Structure Widening** – Interior widening of I-83 bridges over Valley Road.
- **Stage 1A/1B** – Construct the widening of the new portion of I-83 and stormwater management basins.
- **Stage 2** – Replace existing portion of I-83.



ITEM	TOTAL	UNIT
SUBBASE (6", 8")	227,383	SY
SUPERPAVE ASPHALT MIXTURE DESIGN, WMA BASE COURSE (4", 6", 12" DEPTH)	235,946	SY
SUPERPAVE ASPHALT MIXTURE DESIGN, WMA BINDER COURSE (2.5", 3" DEPTH)	206,900	SY
SUPERPAVE ASPHALT MIXTURE DESIGN, WMA WEARING COURSE (SCRATCH)	23	TON
SUPERPAVE ASPHALT MIXTURE DESIGN, WMA BINDER COURSE (LEVELING)	566	TON
SUPERPAVE ASPHALT MIXTURE DESIGN, WMA WEARING COURSE (2" DEPTH)	259,120	SY
BITUMINOUS TACK COAT	575,470	SY



Significant Overruns/Added Work (Paving Related):

- Overbanding (+\$23,000) – At the Department’s request, work was added to apply bituminous material to seal all longitudinal joints on the final wearing course of both northbound and southbound I-83 within the project limits.
- Mill and Pave SR 22 Asphalt Approaches (+\$56,000) - After monitoring the existing pavement at the eastbound and westbound approaches of the bridge carrying SR0022 over I-83, the decision was made by the Department to have JD Eckman mill and pave these sections. This decision was made due to significant settling of the existing blacktop where it ties into the bridge, and the concern for further damage to the bridge caused by traffic and plows.
- Added 4” Base (+\$56,855.48) and 6” Subbase (+\$42,453.54) – Additional quantity of 4” base and 6” subbase was needed to tie existing parking lots at multiple locations into the newly constructed project.

ECMS 97254 – SR 22 Resurfacing/River Relief Route – Dauphin County

SR 0022-076

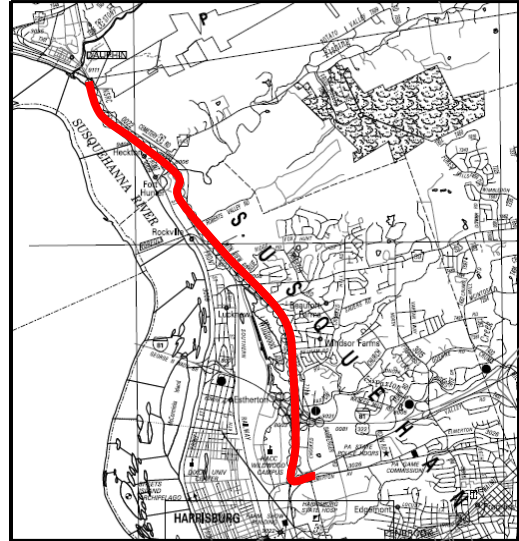
Contractor: New Enterprise Stone & Lime Co.

Original Contract Value: \$13,522,128.20

Current Contract Value: \$13,971,327.71

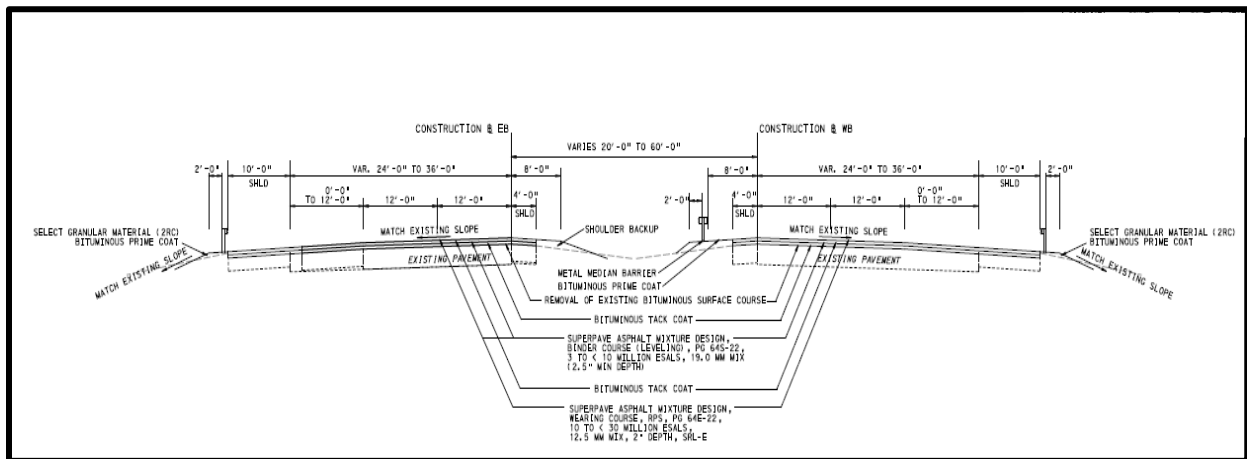
Notice to Proceed: 7/6/2020

Estimated Completion Date: 8/5/2022



Project Description:

This project consists of approximately 6.16 miles of bituminous overlay from Elmerton Avenue to south of Stony Creek, including portions of the I-81/22 Interchange. Other construction activities for this project includes concrete base repair, concrete patching, removal of bituminous surface, tree removal, and guiderail updates.



<u>ITEM</u>	<u>TOTAL</u>	<u>UNIT</u>
SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING)	45,795	TON
SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE (SCRATCH)	255	TON
SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE (2" DEPTH)	334,399	SY
ASPHALT TACK COAT	648,099	SY

Significant Overruns:

- Added paving on SR 22 EB at SR 325 interchange (+\$92,309.93) - At the Department's request the prime contractor, New Enterprise, performed extra work to remove and replace existing bituminous overlay that was beginning to unravel and pothole. This area was within the limit of work, but no paving was planned.



ECMS 104420 – SR 22 Resurfacing /Clarks Ferry – Dauphin County

SR 0022-074

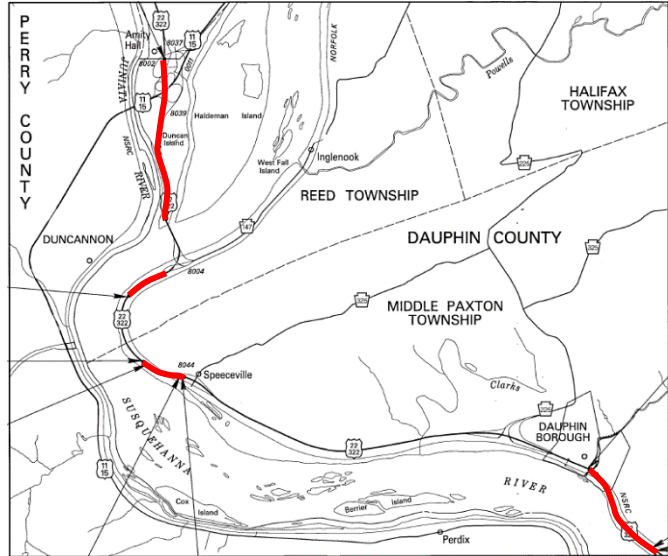
Contractor: Glenn O. Hawbaker, Inc.

Original Contract Value: \$4,587,206.00

Current Contract Value: \$4,113,874.44

Notice to Proceed: 6/22/2015

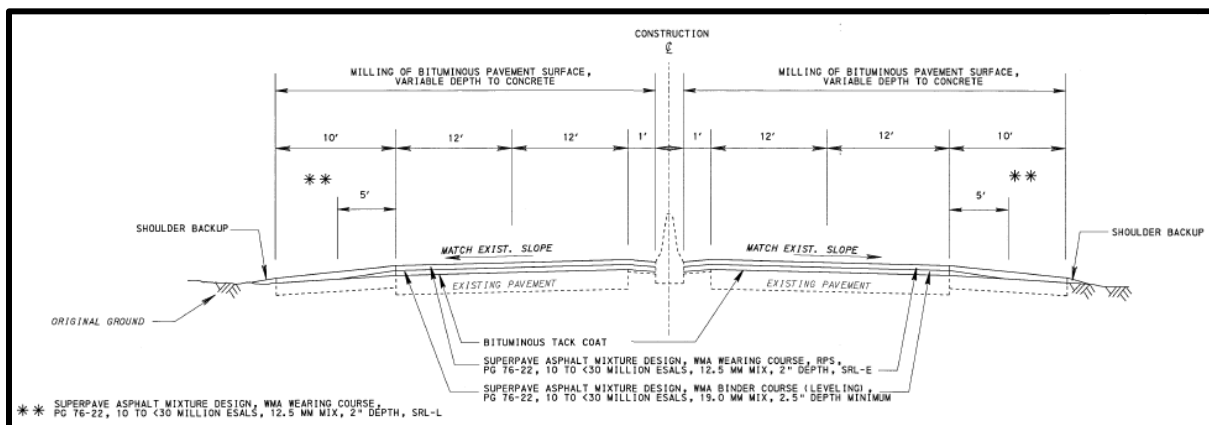
Completion Date: 10/16/2015



Project Description:

The project consisted of approximately 2.49 miles of milling bituminous material overtop concrete, overlay, concrete patching, pavement markings, and other miscellaneous construction. The project also included SR 0022-073, which consisted of diamond grinding, concrete, patching, and other miscellaneous construction. Overall project length was approximately 3.61 miles.

Intelligent Compaction (\$16,371) and Training (\$9,000) - This work is the compacting of construction materials using specialized Intelligent Compaction (IC) equipment that automatically displays and records roller position, speed, surface temperature, and material stiffness values in real time, during construction. IC was used on approximately 109,140 square yards of binder/leveling and wearing courses.



<u>ITEM</u>	<u>TOTAL</u>	<u>UNIT</u>
SUPERPAVE ASPHALT MIXTURE DESIGN, WMA BASE COURSE	240	SY
SUPERPAVE ASPHALT MIXTURE DESIGN, WMA BINDER COURSE (LEVELING)	13,579	TON
SUPERPAVE ASPHALT MIXTURE DESIGN, WMA WEARING COURSE (2" DEPTH)	109,413	SY
INTELLIGENT COMPACTION	109,140	SY
BITUMINOUS TACK COAT	9,849	GAL

Significant Overruns: None

ECMS 107020 – US 22/322 Resurfacing – Perry County

SR 0022-097

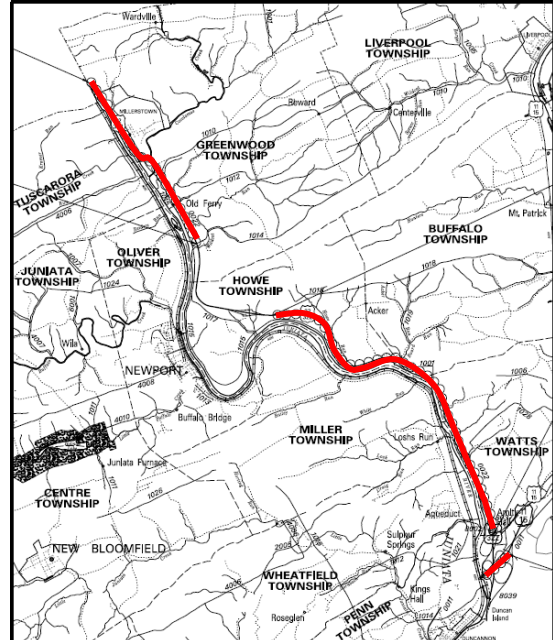
Contractor: Glenn O. Hawbaker, Inc.

Original Contract Value: \$23,062,322.00

Notice to Proceed: 06/27/2022

Completion Date: 10/18/2024

***No work on project has begun.
Anticipated work to begin in after
Labor Day 2022**

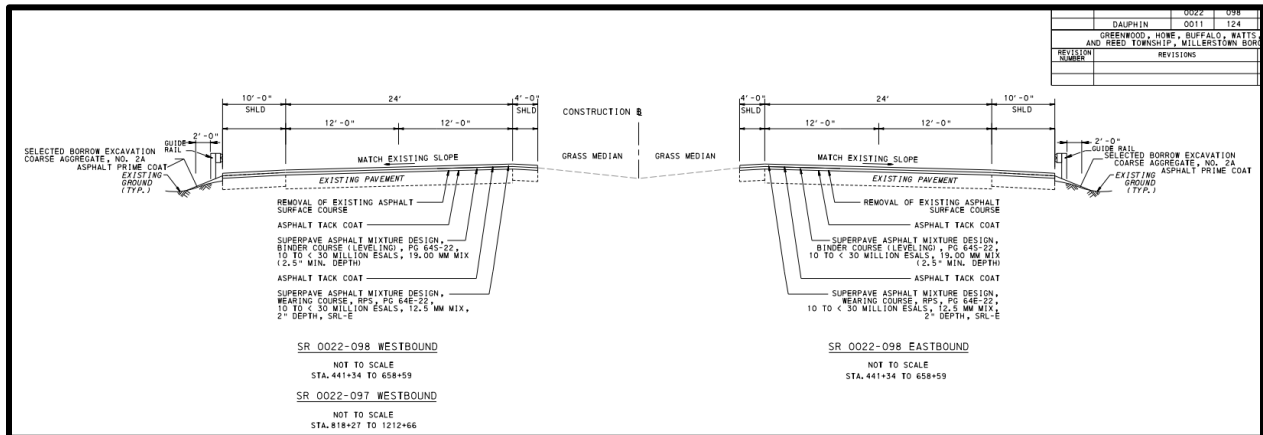


Project Description:

Construction activities include concrete patching, removal of bituminous surface, 4.5” resurfacing, tree removal, minor drainage, guiderail updates, reconstruction of two ramps in Dauphin County on SR 8037, and other miscellaneous activities, all as indicated on the approved drawings included in the Bid Package for STATE ROUTE 0022, SECTION 097, in PERRY COUNTY, HOWE, BUFFALO, & WATTS TOWNSHIPS, from east of the Newport Interchange at Segment 0171 Offset 0847 to the Perry/Dauphin County line at Segment 0311 Offset 2708, for an overall project length of 7.479 miles. Also included in the Bid Package is STATE ROUTE 0022, SECTION 098, in PERRY COUNTY, GREENWOOD TOWNSHIP and MILLERSTOWN BOROUGH, from the Juniata/Perry County line at Segment 0010 Offset 0000 to Owl Hollow Road at Segment 0100 Offset 0050, and from the Juniata/Perry County line at Segment 0011 Offset 0000 to Owl Hollow Road at Segment 0101 Offset 0050, for an overall project length of 8.248 miles. Also included in the Bid Package is STATE ROUTE 0011, SECTION 124, in DAUPHIN COUNTY, REED TOWNSHIP, from the Juniata River bridge at Segment 0010 Offset 1294 to the Dauphin/Perry County line at Segment 0260 Offset 0050, and from the Juniata River bridge at Segment 0011 Offset 1294 to the Dauphin/Perry County line at Segment 0261 Offset 0050, for an overall project length of 1.461 miles.

Anticipated Items of Work for Project:

- Milling of existing bituminous material on mainline, shoulders, down to existing concrete
- Accelerated concrete patching, type A, B, and C.
- 2.5-inch (minimum) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING), PG 64S-22, 10 TO < 30 MILLION ESALS, 19.0 MM MIX (mainline and shoulders).
- 2.0-inch SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, RPS, PG 64E-22, 10 TO < 30 MILLION ESALS, 12.5 MM MIX, 2" DEPTH, SRL-E (mainline and shoulders).
- ASPHALT TREATED PERMEABLE BASE COURSE, 4-inch DEPTH.
- Guiderail updates to MASH requirements.
- Pavement markings
- Sign replacements.



<u>ITEM</u>	<u>TOTAL</u>	<u>UNIT</u>
SUBBASE 4" DEPTH (NO. 2A)	6,820.00	SY
SUPERPAVE ASPHALT MIXTURE DESIGN, FLEXIBLE BASE REPLACEMENT	500.00	Ton
SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING)	63,801.00	Ton
SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE (2" DEPTH)	429,890.00	SY
ASPHALT TACK COAT	850,567.00	SY

Project Innovative Items:

- Project to utilize the Longitudinal Joint Seal (LJS) on the paving surface prior to the placement of an asphalt wearing course as an air void reduction technique for the overlaying longitudinal joint. This is not for the entire project but for selected areas as noted in the contract special provision.



ECMS 101156 –William Penn Highway Resurfacing – Perry County

SR 0022-096

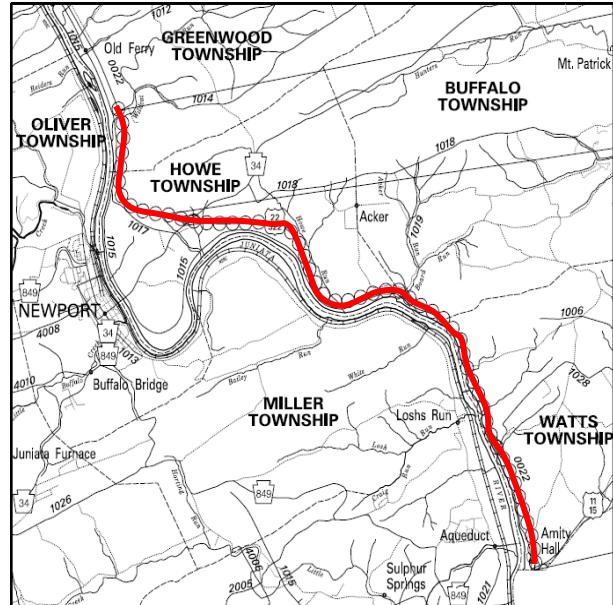
Contractor: Pennsy Supply, Inc.

Original Contract Value: \$9,736,180.94

Current Contract Value: \$9,832,712.09

Notice to Proceed: 06/21/2021

Completion Date: 09/09/2022

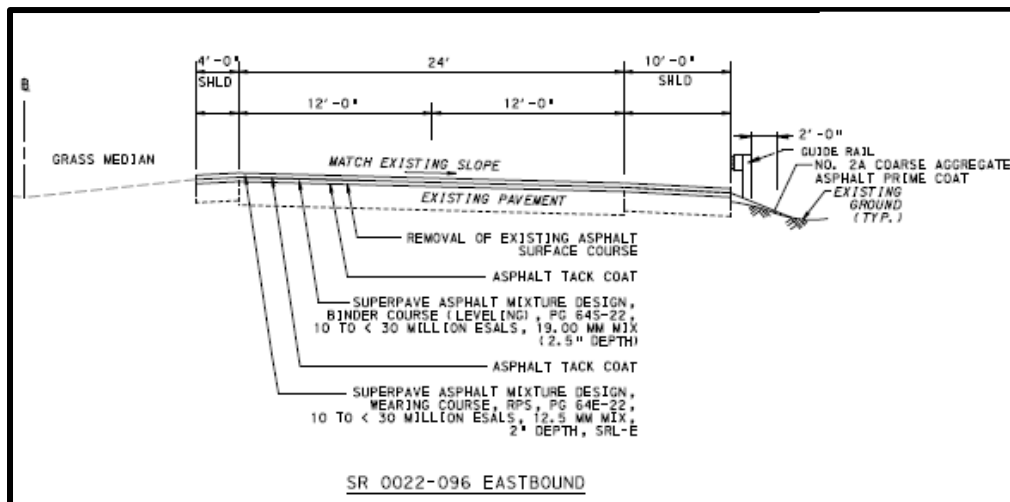
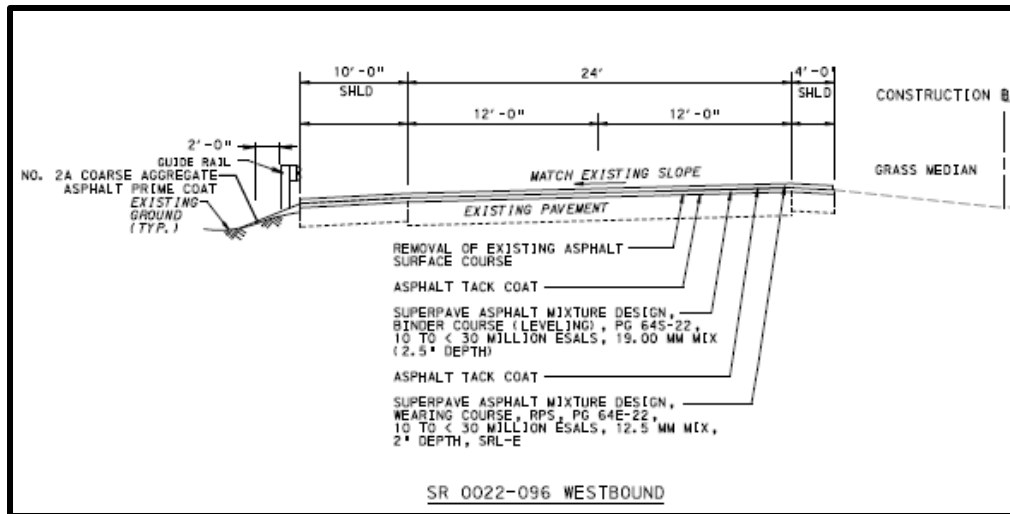


Project Description:

Construction activities include concrete patching, removal of bituminous surface, 4.5” resurfacing, tree removal, guiderail updates, and other miscellaneous activities, all as indicated on the approved drawings included in the Bid Package for STATE ROUTE 0022, SECTION 096, in PERRY COUNTY, GREENWOOD, HOWE, BUFFALO, & WATTS TOWNSHIPS, from Owl Hollow Road at Segment 0090 Offset 2563 to Perry/Dauphin County Line at Segment 0310 Offset 2642, and from Owl Hollow Road at Segment 0091 Offset 2555 to west of SR 0034 Newport Road Interchange at Segment 0131 Offset 0187, for an overall project length of 10.556 miles.

Completed and Current Work:

- Milling of existing bituminous material on mainline, shoulders, down to existing concrete.
- Accelerated concrete patching, type A, B, and C
- 2.5-inch (minimum) SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING), PG 64S-22, 10 TO < 30 MILLION ESALS, 19.0 MM MIX (mainline and shoulders).
- 2.0-inch SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, RPS, PG 64E-22, 10 TO < 30 MILLION ESALS, 12.5 MM MIX, 2" DEPTH (mainline and shoulders).
- Guiderail updates to MASH requirements.
- Pavement markings
- Sign replacements.

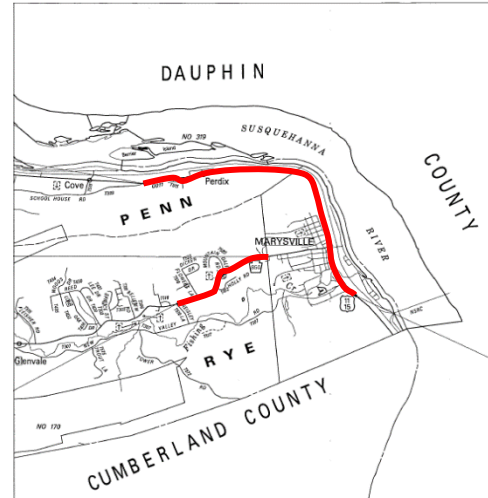


<u>ITEM</u>	<u>TOTAL</u>	<u>UNIT</u>
SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING)	37,142.00	SY
SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE (2" DEPTH)	250,436.00	SY
ASPHALT TACK COAT	495,182.00	SY



Project Innovative Items:

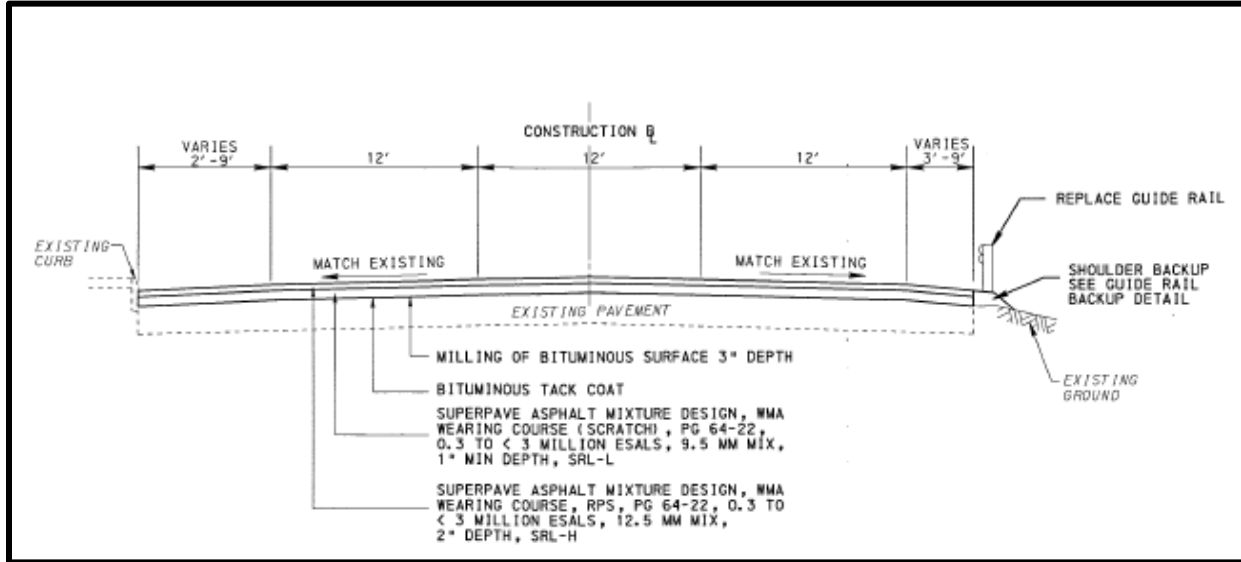
- Project to utilize the Longitudinal Joint Seal (LJS) on the paving surface prior to the placement of an asphalt wearing course as an air void reduction technique for the overlaying longitudinal joint. This was for the 1.5-mile WB section of the project.

ECMS 107021 – US 11 Resurfacing – Perry County**SR 0011-108****Contractor:** Pennsy Supply, Inc.**Original Contract Value:** \$3,630,868.20**Current Contract Value:** \$4,173,638.05**Notice to Proceed:** 07/23/2018**Completion Date:** 10/15/2019**Project Description:**

Construction consisted of milling and resurfacing the existing roadway, guiderail updates, drainage improvements, base replacement, signing updates, pavement markings, and other miscellaneous construction, all as indicated on the approved drawings included in the Bid Package for STATE ROUTE 0011, SECTION 108 (State Road), in PERRY COUNTY, MARYSVILLE BOROUGH AND PENN TOWNSHIP, from 630 ft. south of the intersection of Ridgeview Road, at Segment 0020 Offset 1245 to 150 ft. south of the intersection with Schoolhouse Road, at Segment 0100 Offset 2606, a length of 3.54 miles. Also included is STATE ROUTE 0850, SECTION 016 (Valley Road), in PERRY COUNTY, RYE TOWNSHIP from the intersection of Heisley Lane, at Segment 0680 Offset 0968 to the Rye Township, Marysville Borough Line at Segment 0720 Offset 0100, a length of 1.21 miles. Overall project length is 4.76 miles.

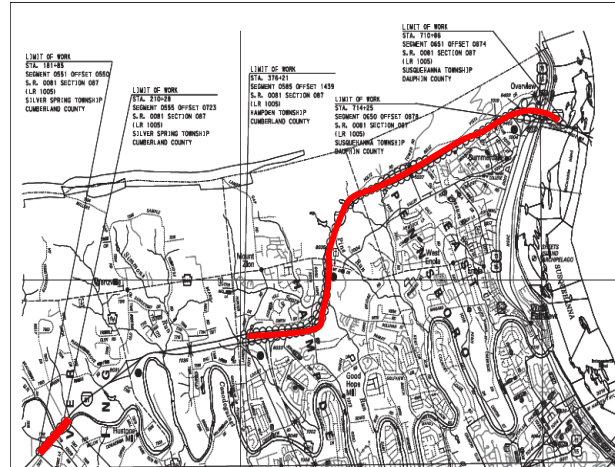
Work Completed on the Project:

- Three-inch milling through Marysville Borough
- Bituminous scratch material placed along with two-inch wearing course material.
- Projects limits of work were extended for an additional 3,550.00 feet along SR 11/15 North to allow for additional bituminous repairs, paving to be performed. This added an additional \$500,000.00 to the contract amount.



<u>ITEM</u>	<u>TOTAL</u>	<u>UNIT</u>
SUBBASE (NO. 2A)	15.00	CY
SUPERPAVE ASPHALT MIXTURE DESIGN, HMA BASE COURSE (4",8",10" DEPTH)	10,855.00	SY
SUPERPAVE ASPHALT MIXTURE DESIGN, WMA WEARING COURSE (2" DEPTH)	101,340.00	SY
BITUMINOUS TACK COAT	209,800.00	SY

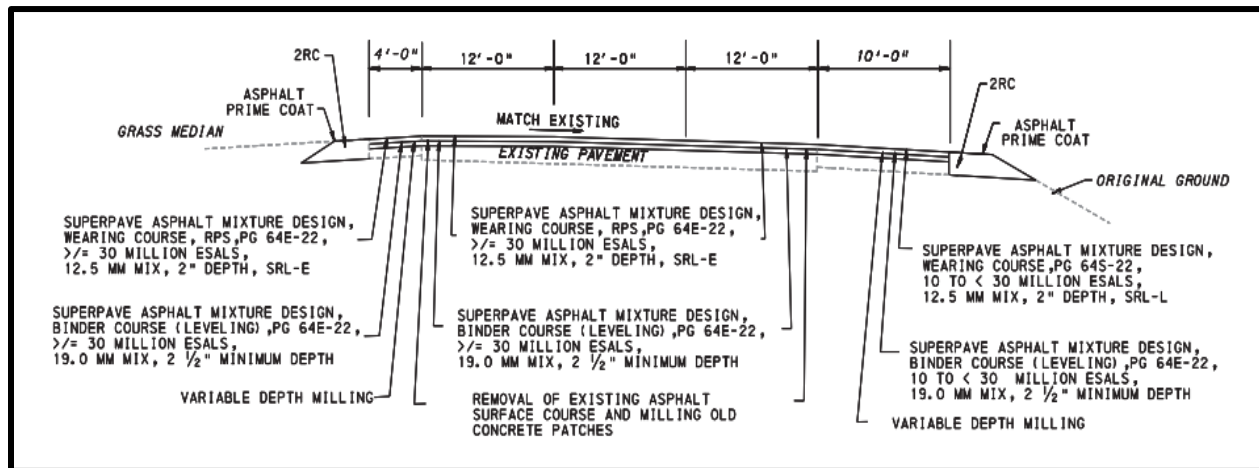


ECMS 112268 – I-81 Resurfacing Exit 59 to Wade Bridge – Cumberland County**SR 0081-087****Contractor:** New Enterprise Stone and Lime Company, Inc.**Original Contract Value:** \$21,796,022.06**Current Contract Value:** \$22,935,94.52**Notice to Proceed:** 01/28/2022**Completion Date:** 11/21/2023**Project Description:**

This project consists of milling, base replacement, concrete pavement patching, minor drainage, ADA ramps, paving, CAVC site repair and other miscellaneous construction, all as indicated on the approved drawings included in the Bid Package for Interstate 81, Section 087, in CUMBERLAND COUNTY, SILVER SPRING TOWNSHIP, from Rich Valley Road (SR 1009) to the Conodoguinet Creek, 0.318 mile NB and 0.222 miles SB, and in Cumberland County, Hampden Township from Lambs Gap Road to Cumberland County, East Pennsboro Township at SR 11 & 15, 6.14 miles NB and 6.17 miles SB, for an overall project length of 12.85 miles. Also in Dauphin County, Susquehanna Township from SR 11 & 15 to George Wade Bridge (NB/SB).

Completed and Current Work on the Project:

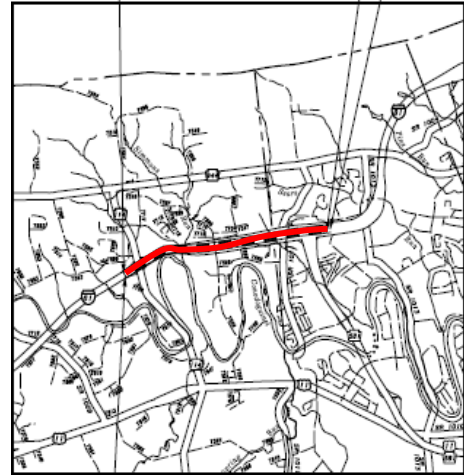
- Installation of new underdrain along the NB and SB shoulders from mile posts 59 to 61.
- Removal of the existing bituminous surface down to existing concrete NB from mile posts 59 to 62.
- Continuous reinforced concrete patching Types A, B, and C currently being performed NB from mile posts 59 to 62.
- Place minimum 2.5-inch SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING), PG 64E-22, \geq 30 MILLION ESALS, 19.0 MM MIX along NB from mile posts 59 to 62.
- Projects limits of work were extended to encompass a portion of interstate 81 NB and SB from mile posts 48 to 52 to perform over 2000 SF of concrete slab repairs within this region. This work added approximately 1.2 million dollars to the contract cost.



ITEM	TOTAL	UNIT
SUPERPAVE ASPHALT MIXTURE DESIGN, FLEXIBLE BASE REPLACEMENT	19,972.00	Ton
SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING)	28,493.00	SY
SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (LEVELING)	50,086.00	Ton
SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE 2" DEPTH	476,229.00	SY
ASPHALT TACK COAT	952,458.00	SY

Future Work on the Project:

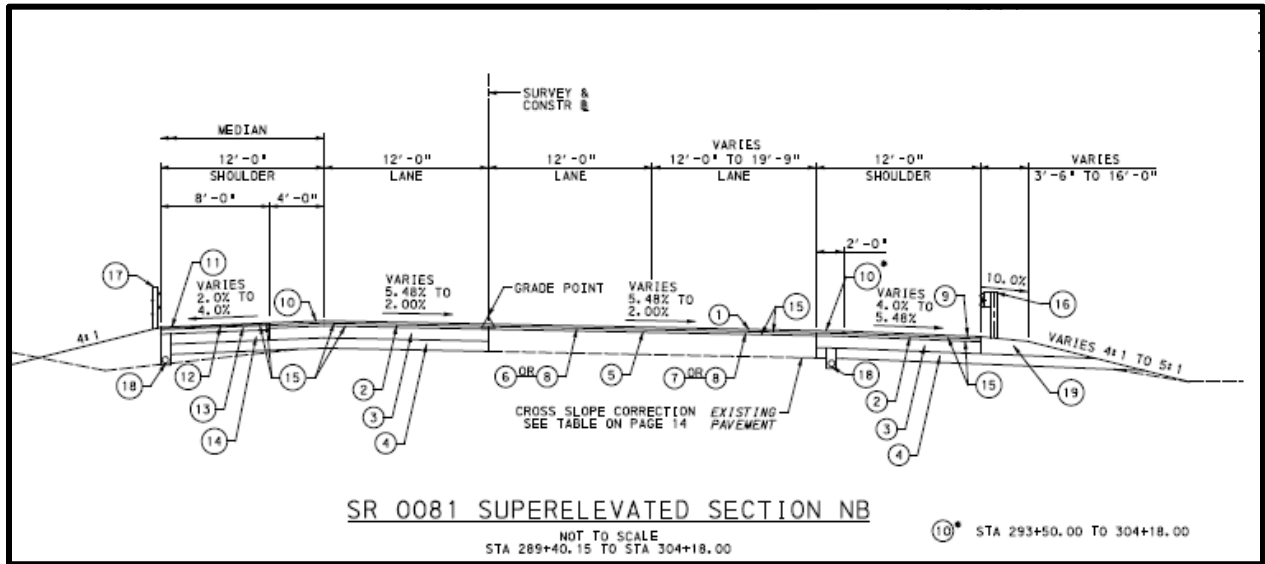
- Once binder leveling material is placed from NB mile posts 59 to 62, continue removal of existing bituminous material down to existing concrete surface, perform concrete patching, and place 19mm binder leveling material for next 3.0-mile section of roadway.
- Continue this process for subsequent 3.0-mile sections for both NB and SB. Once binder leveling is completed, begin placement of the SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, RPS, PG 64E-22, >= 30 MILLION ESALS, 12.5 MM MIX, 2" DEPTH, SRL-E for the mainline roadway and SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, 10 TO < 30 MILLION ESALS, 12.5 MM MIX, 2" DEPTH, SRL-L for the 10-foot shoulders.
- Miscellaneous drainage work.
- Guiderail updates to type 31 MASH requirements.
- New pavement markings and legends.
- Sign replacements

ECMS 90207 – NB/SB from PA 581 to PA 114 – Cumberland County**SR 0081-071****Contractor:** Blooming Glen Contractors, Inc.**Original Contract Value:** \$ 19,546,370.81**Current Contract Value:** \$19,609,341.24**Notice to Proceed:** 08/08/2016**Completion Date:** 06/12/2018**Project Description:**

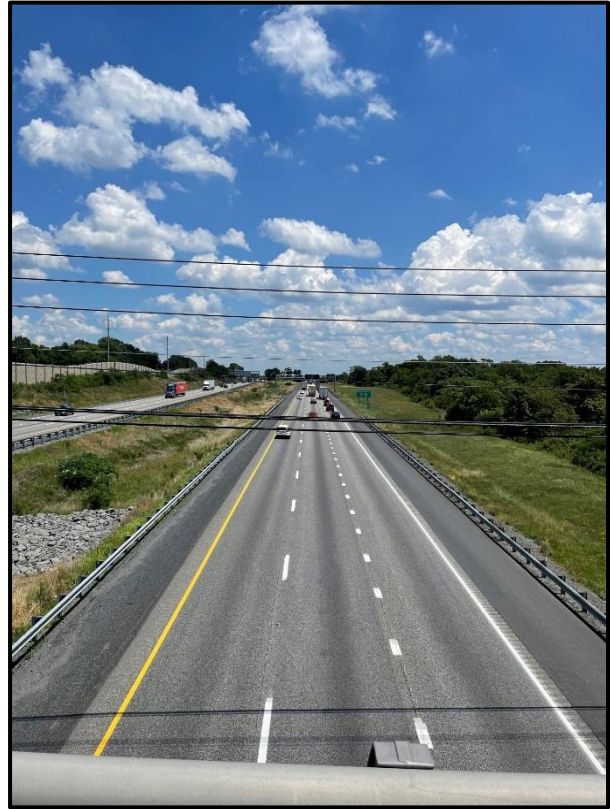
The SR 0081 Section 071 project included the overlay and widening of Interstate 81 (SR 0081); realignment of an interchange ramp; leveling course for cross slope correction. The structure work on the project includes the rehabilitation of three existing bridges; construction of a new sound wall; relocation of a DMS sign board onto a new sign structure; and the construction of six new sign structures. The project also includes updated drainage; guiderail; high tension cable barrier system; RPMs; and signing and pavement markings. The project limits are as follows: SR 0081 Section 071 from Segment 0564/0565 Offset 0760/1291 to Segment 0590/0591 Offset 0714/0853, a length of 2.454 miles, as indicated on the approved drawings included in the Bid Package for STATE ROUTE 0081, SECTION 071, in CUMBERLAND COUNTY; SILVER SPRING & HAMPDEN TOWNSHIPS.

Work Completed on the Project:

- Addition of a third lane in both the NB and SB directions between exits 57 and 59 to help reduce traffic congestion within this section of interstate 81.
- Installation of several retention ponds and use of amended soils throughout the project limits.
- Sound barrier walls with architectural designs and stains.
- Guiderail updates.
- Pavement markings
- Bridge superstructure and substructure repairs at the NB Lambs Gap Bridge.



<u>ITEM</u>	<u>TOTAL</u>	<u>UNIT</u>
SUBBASE (NO. 2A) (6",9" DEPTH)	2,808.00	SY
SUBBASE 9" DEPTH (NO. 2A)	87,974.00	SY
SUPERPAVE ASPHALT MIXTURE DESIGN, WMA BASE COURSE (4",10" DEPTH)	83,538.00	SY
SUPERPAVE ASPHALT MIXTURE DESIGN, WMA BINDER COURSE (2.5" DEPTH)	53,443.00	SY
SUPERPAVE ASPHALT MIXTURE DESIGN, WMA WEARING COURSE (1.5", 2" DEPTH)	123,399.00	SY
BITUMINOUS TACK COAT	260,370.00	SY



Project Innovative Items:

- Use of exclusively GPS surveying utilizing mobile rovers and other GPS devices installed in earth moving equipment and for regular field instrument surveying.

ECMS 113264 – Carlisle Pike Resurfacing – Cumberland County

SR 011-120

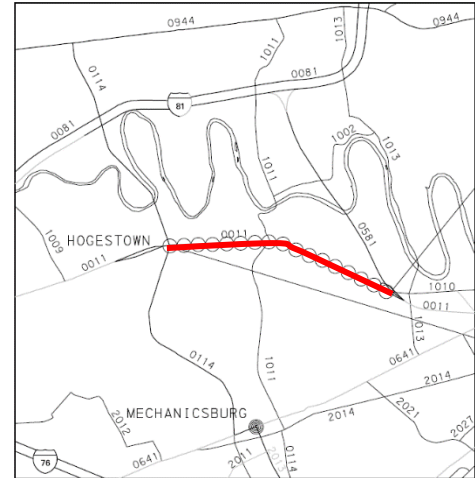
Contractor: New Enterprise Stone and Lime Company, Inc.

Original Contract Value: \$2,920,682.46

Current Contract Value: \$2,920,682.46

Notice to Proceed: 02/28/2022

Completion Date: 08/12/2022

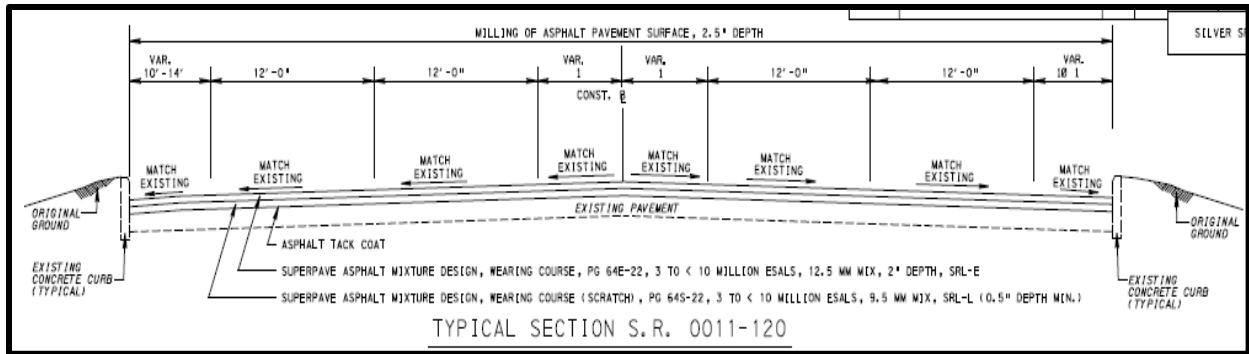


Project Description:

This project consists of Superpave overlay, base replacement, milling, drainage improvements, ADA ramp updates, pavement markings, and other miscellaneous construction, all as indicated on the approved drawings included in the Bid Package for STATE ROUTE 0011, SECTION 120, in CUMBERLAND COUNTY, SILVER SPRING & HAMPDEN TOWNSHIPS, from Segment 0650 Offset 1110 to Segment 0700 Offset 1000, for an overall project length of 1.71 miles.

Work Completed on the Project:

- ADA curb ramps
- Bituminous base replacements
- Miscellaneous drainage replacements, improvements.
- Milling of the existing bituminous material for a 2.5-inch depth.
- SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE (SCRATCH), PG 64S-22, < 0.3 MILLION ESALS, 9.5 MM MIX, SRL-L [$\frac{1}{2}$ inch minimum depth].
- SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64E-22, 3 TO < 10 MILLION ESALS, 12.5 MM MIX, 2" DEPTH, SRL-E
- Guiderail updates to type 31 MASH requirements.
- New pavement markings and legends.
- Sign replacements.



<u>ITEM</u>	<u>TOTAL</u>	<u>UNIT</u>
SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE (2" DEPTH)	94,463.00	SY
SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE (SCRATCH)	2,836.00	Ton
ASPHALT TACK COAT	188,723.00	SY



ECMS 113317 – Blue-Gray Highway Resurface – York County

SR 0015-053

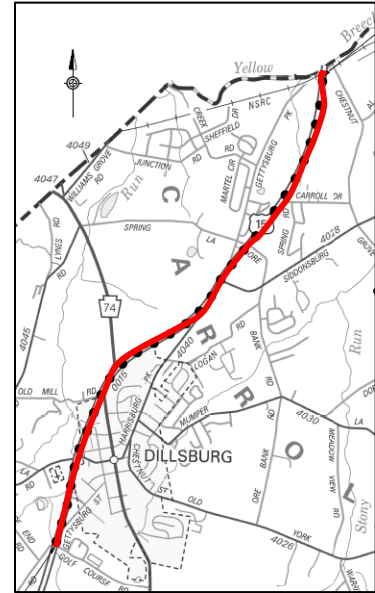
Contractor: J.D. Eckman, Inc.

Original Contract Value: \$2,067,187.80

Current Contract Value: \$2,668,930.98

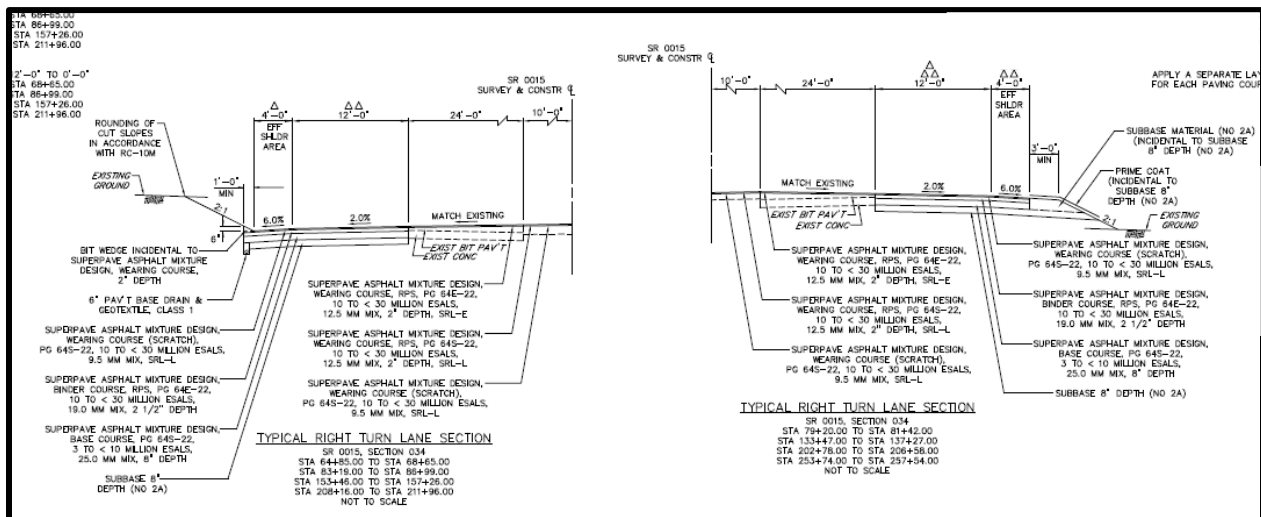
Notice to Proceed: 07/06/2020

Completion Date: 08/20/2021



Project Description:

This 3.8-mile project consisted of pavement preservation, guide rail updates, drainage improvements, and traffic control items. The pavement preservation was accomplished using concrete pavement patching, concrete joint patching, asphalt joint and crack sealing for concrete surfaces, removal of existing asphalt pavement course, and placement of superpave asphalt mixture design, thin asphalt overlay wearing course, PG 64E-22, 6.3MM Mix, 1.25" DEPTH, SRL-E. The plans originally called for placement of a 0.75" thick THIN ASPHALT OVERLAY but after the existing asphalt overlay was removed and the rough condition of the existing concrete pavement was revealed, it was decided to change the THIN ASPHALT OVERLAY thickness to 1.25" to enhance the durability of the new asphalt and increase the lifespan of the underlying concrete.



<u>ITEM</u>	<u>TOTAL</u>	<u>UNIT</u>
SUBBASE (NO. 2A) (6",8" DEPTH)	46,080.00	SY
SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE (6",8",10" DEPTH)	41,914.00	SY
SUPERPAVE ASPHALT MIXTURE DESIGN, BINDER COURSE (2.5",4.5" DEPTH)	39,661.00	SY
SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE (SCRATCH)	12,085.00	Ton
SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE (2" DEPTH)	425,498.00	SY
ASPHALT TACK COAT	477,637.00	SY

Significant Overruns/Added Work:

- Accelerated Type-A Concrete Patching (+256,068.00) – 432% increase from original plan cost of \$60,000 to current cost of \$319,068.
- Patching Joint (+\$43,190.00) – 160% increase from original plan cost of \$26,950 to current cost of \$70,140.
- Thin Asphalt Overlay Wearing Course (+\$408,433.00) – 50% increase from original plan cost of \$816,863 to current cost of \$1,225,296.



ECMS 94950 – US 15 Resurfacing – York and Adams County

SR 0015-034

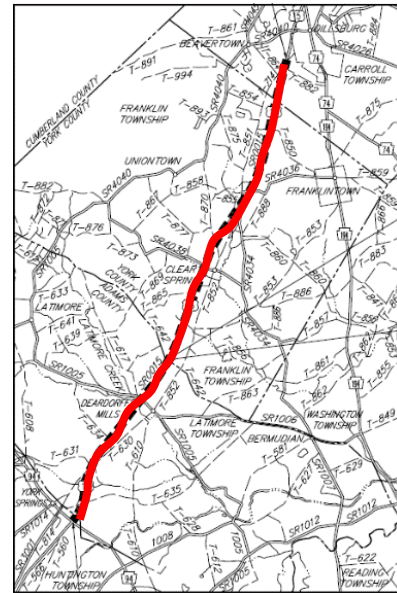
Contractor: New Enterprise Stone and Lime Company, Inc.

Original Contract Value: \$19,802,950.31

Current Contract Value: \$23,130,816.31

Notice to Proceed: 07/27/2020

Completion Date: 08/31/2023



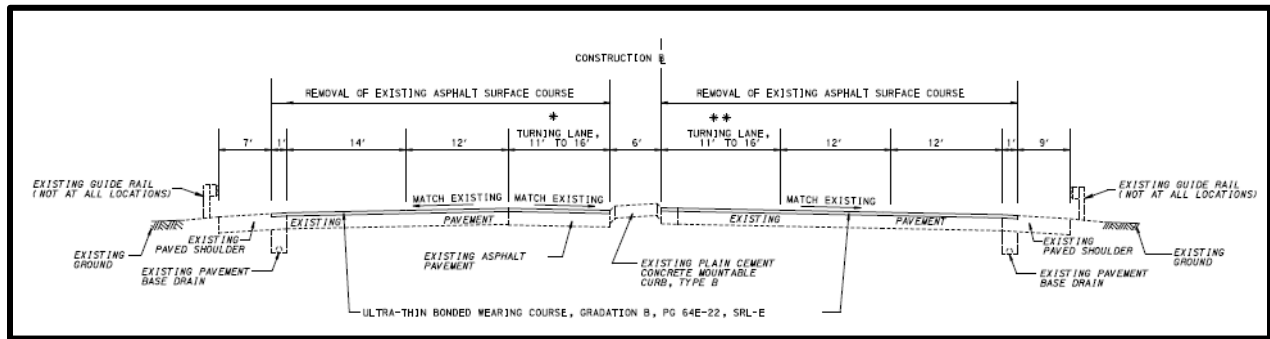
Project Description:

The safety improvement project is located on State Route 15 south of Dillsburg to south of York Springs. The work consists of ramp acceleration and deceleration lane lengthening, intersection safety improvements, new jug handle construction at County Line Road, a 500-foot rock slope cut-back, and guiderail updates to current MASH Type 31 standards. Other work includes milling, new pavement construction (concrete and bituminous) and reconstruction, subbase, drainage improvements, R-rock, pavement base drain, mountable curb, concrete barrier, glare screen, base replacement, pavement markings, signing, ROW fence, and storm water BMP's.

The entire pavement width will be resurfaced out to out with a Superpave scratch course and wearing course. The asphalt scratch course will be PG 64S-22, 10 < 30 Million ESAL's, 9.5 MM, SRL-L. The asphalt wearing course will be PG 64E-22, 10 < 30 Million ESAL's, 12.5 MM, 2-inch depth, SRL-E.

There are various areas throughout the project where shoulders will be reconstructed. These areas will have 6 inches to 8 inches of sub-base. The asphalt base course will be 64S-22, 3 < 10 Million ESAL's, 25 MM, 8-inch depth. The asphalt binder course will be 64S-22, 10 < 30 Million ESAL's, 19 MM, 2 1/2 – inch depth. The asphalt scratch course will be PG 64S-22, 10 < 30 Million ESAL's, 9.5 MM, SRL-L. The asphalt wearing course will be PG 64E-22, 10 < 30 Million ESAL's, 12.5 MM, 2-inch depth, SRL-E.

The jug handles are all new construction at County Line Road. The jug handle areas have 8 inches of sub-base. The asphalt base course will be 64S-22, 3 < 30 Million ESAL's, 25 MM, 8-inch depth. The asphalt binder course will be 64E-22, 10 < 30 Million ESAL's, 19 MM, 2 1/2 – inch depth. The asphalt scratch course will be PG 64S-22, 10 < 30 Million ESAL's, 9.5 MM, SRL-L. The asphalt wearing course will be PG 64E-22, 10 < 30 Million ESAL's, 12.5 MM, 2-inch depth, SRL-E.



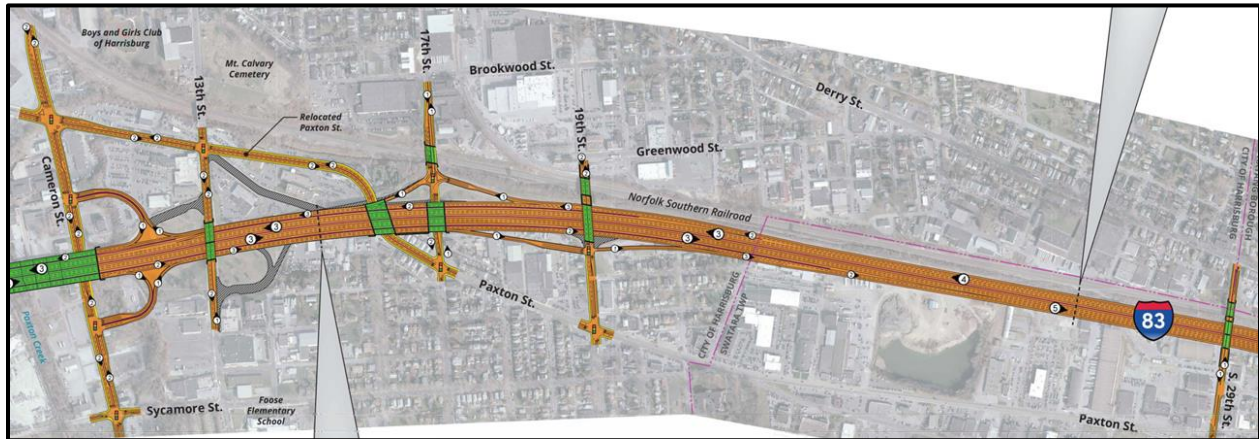
<u>ITEM</u>	<u>TOTAL</u>	<u>UNIT</u>
SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE (SCRATCH)	117.00	Ton
SUPERPAVE ASPHALT MIXTURE DESIGN, THIN ASPHALT OVERLAY WEARING COURSE (0.75" DEPTH)	123,943.00	SY
ASPHALT TACK COAT (NTT/CNTT)	123,943.00	SY

Significant Overruns/Added Work:

- Class 4 Geotextile (+\$320,000.00) – Because this project was designed under the 2016 specifications and let under the 2020 initial addition the Class 4 Geotextile was overlooked and needed to be added to the project.
- Milling and 19 MM Asphalt Binder Course (+\$685,000.00) – The addition of approximately 30,000 square yards of 2 ½ inches milling and 19 MM asphalt binder course was added to the project.
- Asphalt and Diesel Price Adjustment (+\$1,550,000.00) – Because the project was bid in June of 2020 the price indices for asphalt and diesel fuel were lower. Due to a majority of the asphalt paving taking place in 2022 and 2023 the asphalt price adjustment will be approximately \$1,000,000.00 based on the May 2022 indices. The diesel fuel price adjustment will be approximately \$550,000.00 based on the May 2022 indices.



Upcoming Project – SR 0083-079 – Dauphin County



UPCOMING PROJECT

Project Cost Range: \$ 100,000,000 to \$124,999,999

Estimated NTP: 8/10/2023

Estimated Completion Date: 5/29/2026

Project Description:

The work for this project includes widening and reconstruction of I-83 from the 19th Street Interchange to the 29th Street Interchange. Final configuration of I-83 in this area will consist of 12-foot inside and outside shoulders and three 12-foot through lanes in each direction. Additionally, there will be one 12-foot ramp lane to the Collector Distributor (CD) System in the SB direction, and two 12-foot ramp lanes in the NB direction. Stone Matrix Asphalt (SMA) wearing will be placed on mainline I-83.

The project also includes widening and reconstruction of the Cameron Street, 19th Street, and 29th Street corridors, as well as construction of the new Cameron Street interchange. The pavement structure on the ramps and sideroads will be a superpave asphalt mixture.

The **total pavement length** on this project is approximately **3.01 miles**.

In addition to the pavement work, this project will include replacement of the 19th Street and 29th Street bridges over NS and I-83, sound walls, retaining walls, sign structure replacement, highway lighting, updated signalized intersections, and storm water management drainage facilities.

Upcoming Project – 112259 – I-83 Resurfacing Exit 43 to Exit 48 – Dauphin County

UPCOMING PROJECT

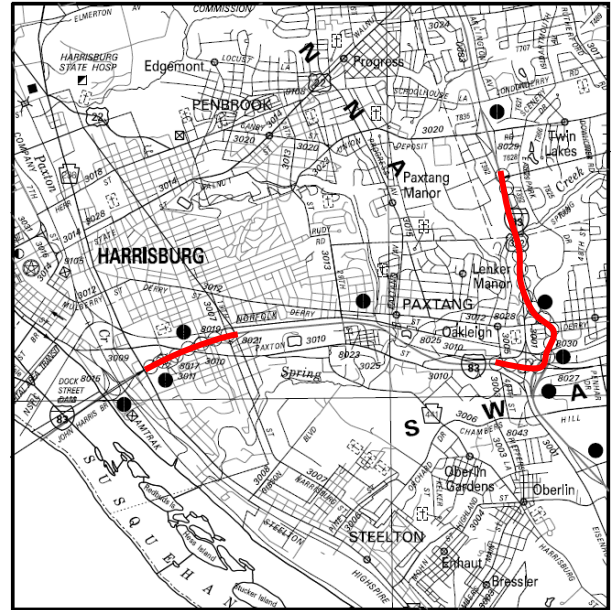
SR 0083-102

Project Cost Range: \$2,500,000 to \$4,999,999

Let: 7/28/2022

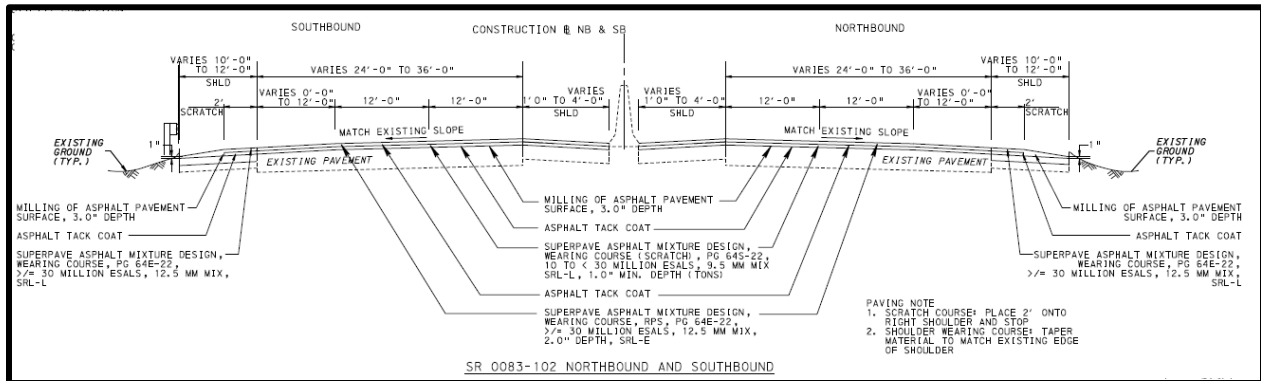
Anticipated NTP: 9/12/2022

Required Completion: 11/20/2023



Project Description:

Construction activities include concrete patching, mill and overlay, and other miscellaneous activities. Project Length of 9.032 miles. The construction length is 4.824 miles.



<u>ITEM</u>	<u>TOTAL</u>	<u>UNIT</u>
SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE (SCRATCH)	2,967	TON
SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE (1.5", 2" DEPTH)	47,111	SY
ASPHALT TACK COAT (NTT/CNTT)	98,260	SY