NAVARRO & WRIGHT
CONSULTING ENGINEERS, INC.

Corporate Office
151 Reno Avenue
New Cumberland, PA 17070
P: (717) 441-2216
F: (717) 441-2218
www.navarrowright.com

S.R. 0001 Section RC3
Preliminary Engineering Noise Report Addendum Memo
April 2025

The Pennsylvania Department of Transportation (PennDOT) has advanced the S.R. 0001 Section RC3 project, located in Middletown Township, Langhorne, and Langhorne Manor Boroughs, PA, through the preliminary engineering design phase. The Preliminary Engineering Noise Report was approved by the Federal Highway Administration (FHWA) on November 8, 2022 (the concurrence Memo is included with this Memorandum).

Minor changes to the design have occurred since FHWA approval of the 2022 Preliminary Engineering Noise Report. PennDOT has requested a re-evaluation of the preliminary engineering analysis to determine if the proposed minor design changes affect the (approved) PE noise analysis and associated abatement recommendations. This Addendum to the 2022 Preliminary Engineering Noise Report documents the scale of those changes and an analysis of potential effects to the abatement recommendations.

The proposed interim changes to the design include:

- The introduction of a mini roundabout at the Bellevue Avenue/Gillam Avenue intersection (intended to serve as a traffic calming measure).

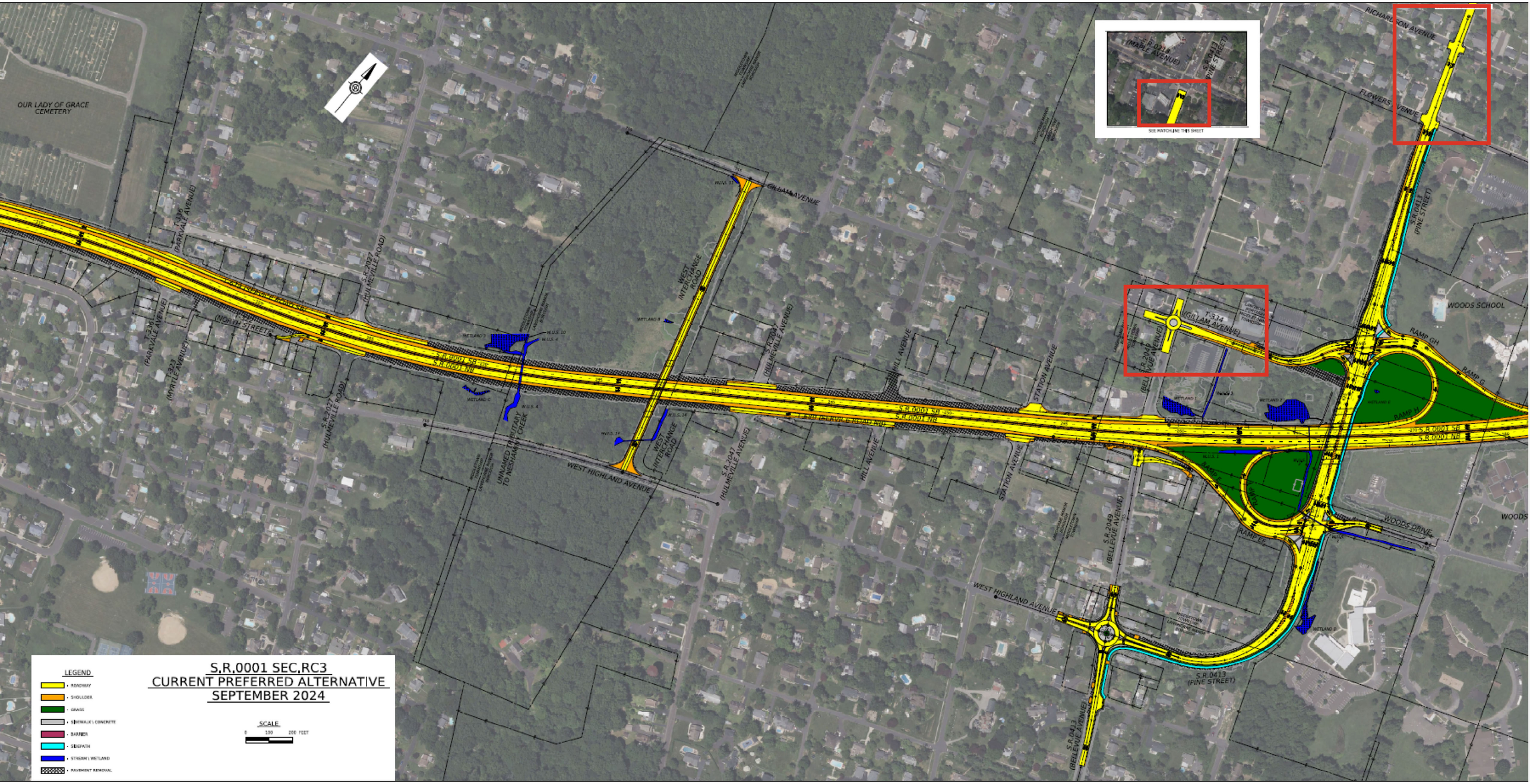
- The extension of project limits approximately 900' north along SR 413 (North Pine Street) to incorporate minor changes to the local roadway design. The limits previously terminated south of the SR 413/Flowers Avenue intersection, but now extend to the SR 413/Maple Avenue intersection.

These areas where changes occur can be found on the attached break-out graphic from the design engineering team's September 2024 Roll Plot. The areas of proposed change have been outlined in red. No other acoustically significant changes have been identified.

The proposed changes have no effect on the 2022 Preliminary Engineering Noise Report abatement recommendations, as any potential impacts at these locations would be due to the local roadway network. It is not possible to design effective abatement (an unbroken vertical noise barrier) for potential impacts on these local roadways and still maintain vehicular and pedestrian access. Therefore, noise abatement for these locations would not be feasible (if even warranted), and therefore would not be proposed for construction.

Please note that the entire corridor/project area will be comprehensively re-evaluated as part of the Final Design noise analysis (to be performed in the future), incorporating a higher level of

detail facilitated by the development of interim engineering design refinements. All Noise Study Areas (NSAs) in the corridor will be reviewed to verify and refine the original abatement recommendations. This will also include screening of all non-qualifying NSAs to verify that the prior recommendations remain valid. The results of the re-evaluation and final abatement recommendations will be documented in a stand-alone Final Design Noise Analysis Report.



AREAS WHERE ACOUSTICALLY-SIGNIFICANT DESIGN CHANGES HAVE OCCURRED SINCE THE 2022 APPROVED PE REPORT

OS-600 (1-13)

pennsylvania
DEPARTMENT OF TRANSPORTATION

October 24, 2022

Ms. Alicia Nolan
Division Administrator
Federal Highway Administration
228 Walnut Street, Room 508
Harrisburg, PA 17101-1720
Attention: Ms. Michelle Goddard

Dear Ms. Nolan:

Attached for your review is the Preliminary Engineering Noise Report for the S.R. 0001 Section RC3 Reconstruction Project, Middletown Township, Langhorne Borough, and Langhorne Manor Borough, Bucks County, Pennsylvania.

The Bureau of Project Delivery and Design concurs with the findings of the report in accordance with *Publication 24, Project Level Highway Traffic Noise Handbook*. Please sign below to concur with the report. You may provide comments to James Spatz at jspatz@pa.gov. He can be reached at 717-787-5306 with any questions regarding this request.

Sincerely,

/s/ Nick A. Vivian

Nick A. Vivian, Acting Chief
Environmental Policy and Development Division
Bureau of Project Delivery and Design

Concur JONATHAN P CRUM Digitally signed by JONATHAN P CRUM Date: 2022.11.08 07:27:47 -05'00' Date _____
FHWA Division Office

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