

SR 0003 SECTION DLR Route 3 (West Chester Pike) & Interstate 476 (I-476) Intersection Improvement Project

PUBLIC PLANS DISPLAY

PROJECT DESCRIPTION

- The project is located in Haverford and Marple Townships, Delaware County.
- The project involves improvements to the existing Route 3 (West Chester Pike) Interchange with Interstate 476.
- The proposed improvements include the delineation/separation of the westbound Route 3 (West Chester Pike) exit ramp to the northbound I-476 entrance ramp from the signalized intersection at South Lawrence Road.
- The lane will no longer be controlled by the traffic signal at South Lawrence Road and will be free-flowing.
- The northbound I-476 entrance ramp will be restriped and signed to carry two lanes up to the existing ramp meter.
- South Lawrence Road will maintain the same lane configuration including dual left-turn lanes and a right-turn only lane.
- A new channelized right-turn lane will be constructed at the intersection of Route 3 (West Chester Pike) and the I-476 northbound exit/entrance ramps to accommodate vehicles from South Lawrence Road to I-476 northbound.
- There are no anticipated temporary or permanent right-of-way acquisitions for this project.



PURPOSE & NEED STATEMENT

Purpose:

The purpose of the State Route 0003, Section DLR project is to improve traffic flow and relieve congestion caused by the Route 3 (West Chester Pike) Interchange with I-476.

Need:

The project is needed to reduce significant queuing and delays that occur through the project corridor. Based on the existing conditions, the project needs include the following:

- Route 3 (West Chester Pike) is a principal arterial highway carrying significant traffic volumes through Delaware and Chester Counties with an average daily traffic volume of approximately 34,000 vehicles/day within the project limits.
- The I-476 interchange includes signalized on/off ramps and is located in close proximity to other signalized intersections on Route 3 (West Chester Pike), notably North Lawrence Road in Haverford Township and South Lawrence Road in Marple Township.
- Heavy commuter traffic entering/exiting I-476 at the project location incurs significant delay, causing queuing through the adjacent signals and along Route 3 (West Chester Pike) and North Lawrence and South Lawrence roads. This issue is most apparent during the AM peak period where queuing for westbound Route 3 (West Chester Pike) extends for a significant distance into Haverford Township, impacting numerous intersections and driveways. The queuing also extends along North Lawrence Road as high traffic volumes attempt to access Route 3 (West Chester Pike) and I-476.



CMAQ
APPLICATION
CONCEPT
PLAN



WEST CHESTER PIKE / ROUTE 476 IMPROVEMENTS



Pennoni



PENNONI ASSOCIATES INC.
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EXISTING CONDITION PHOTOS



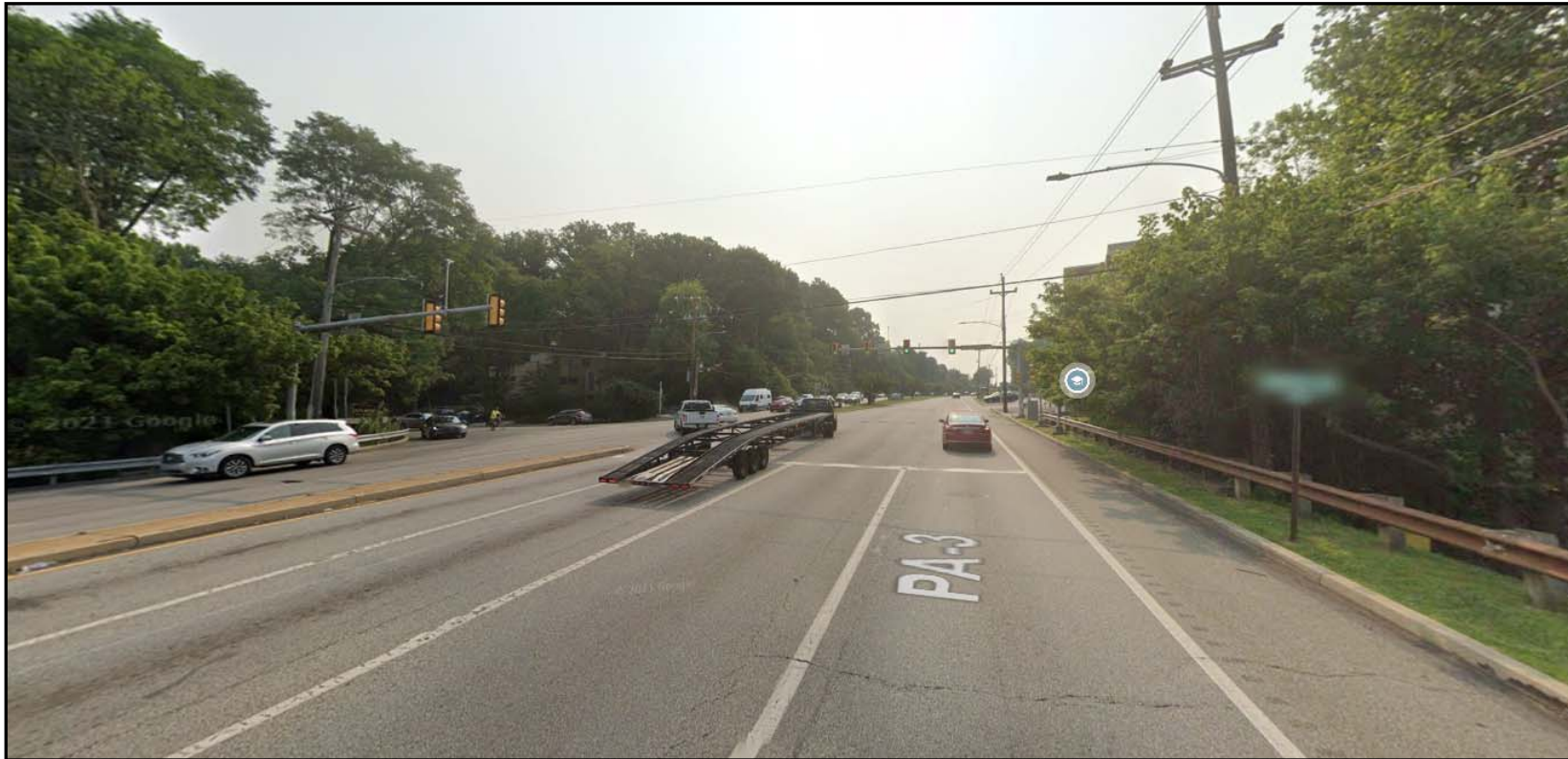
WB West Chester Pike east of N Lawrence Rd



WB West Chester Pike at N Lawrence Rd



EB West Chester Pike at N Lawrence Rd



N Lawrence Rd at West Chester Pike



WB West Chester Pike west of N Lawrence Rd



WB West Chester Pike at S Lawrence Rd



EB West Chester Pike at S Lawrence Rd



South Lawrence Road at West Chester Pike



WB West Chester Pike at NB I-476 On-Ramp



WB West Chester Pike at NB I-476 Off/On Ramps



NB I-476 On-Ramp at West Chester Pike



B I-476 On-Ramps (looking north)



NB I-476 On-Ramps (looking south)



PAVEMENT MARKING PLANS



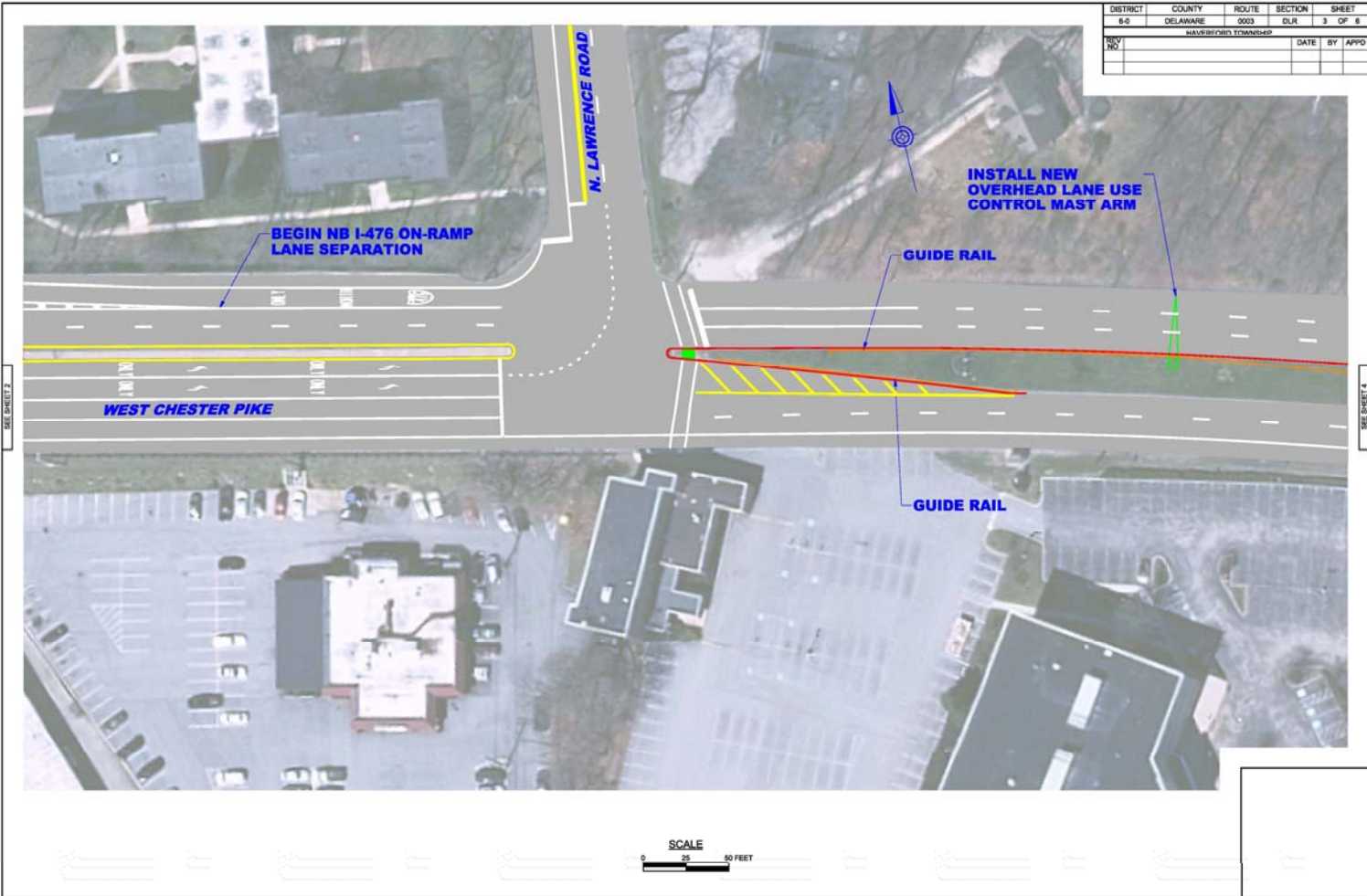
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
8-8	DELAWARE	0003	DLR	4 OF 8
HARRINGTON TOWNSHIP				
REV		DATE	BY	APPD



SEE SHEET 3



DISTRICT	COUNTY	ROUTE	SECTION	SHEET
8-8	DELAWARE	0003	01R	3 OF 8
HAVERHILLS TOWNSHIP				
REV	DATE	BY	APPD	

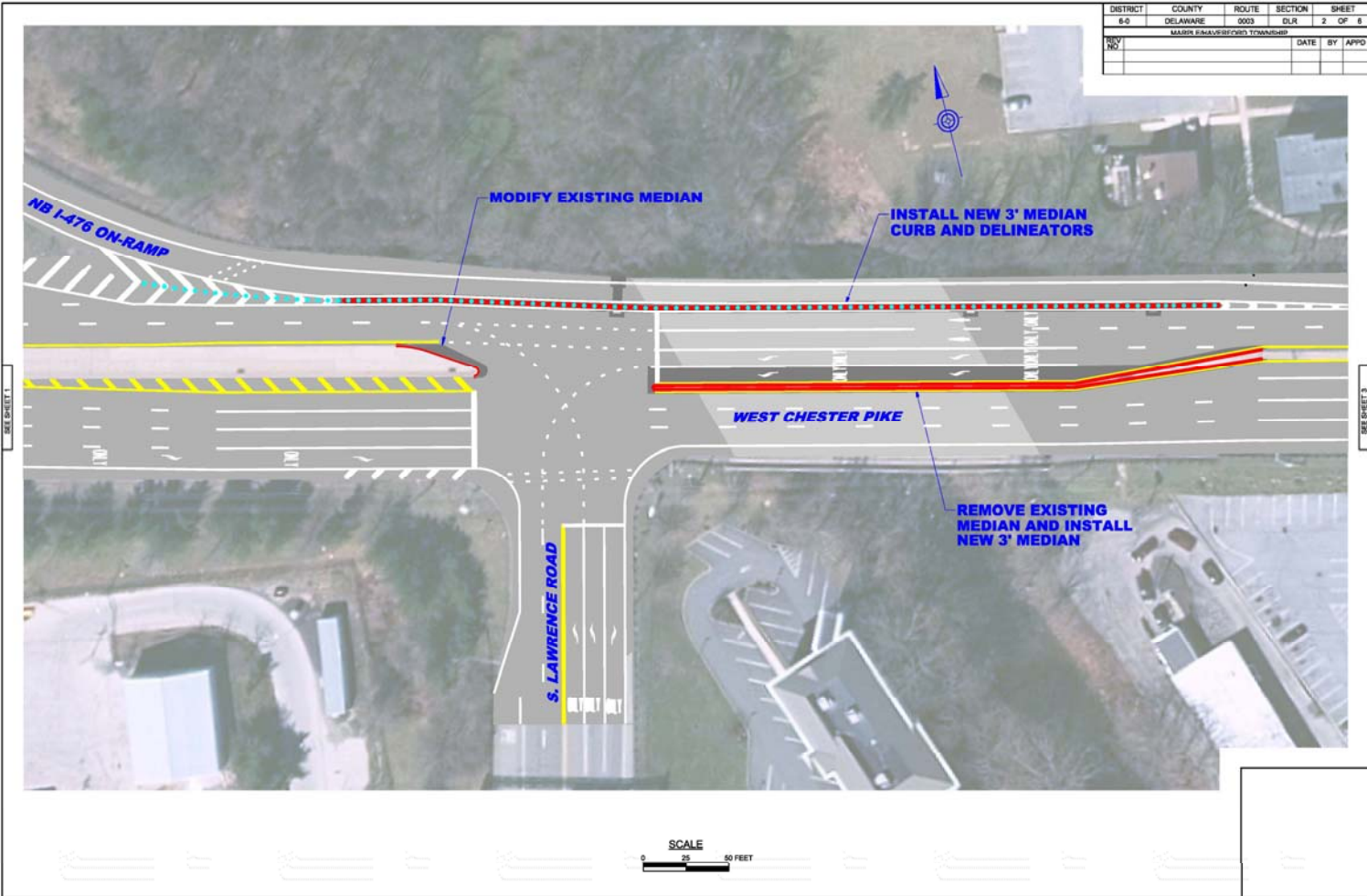


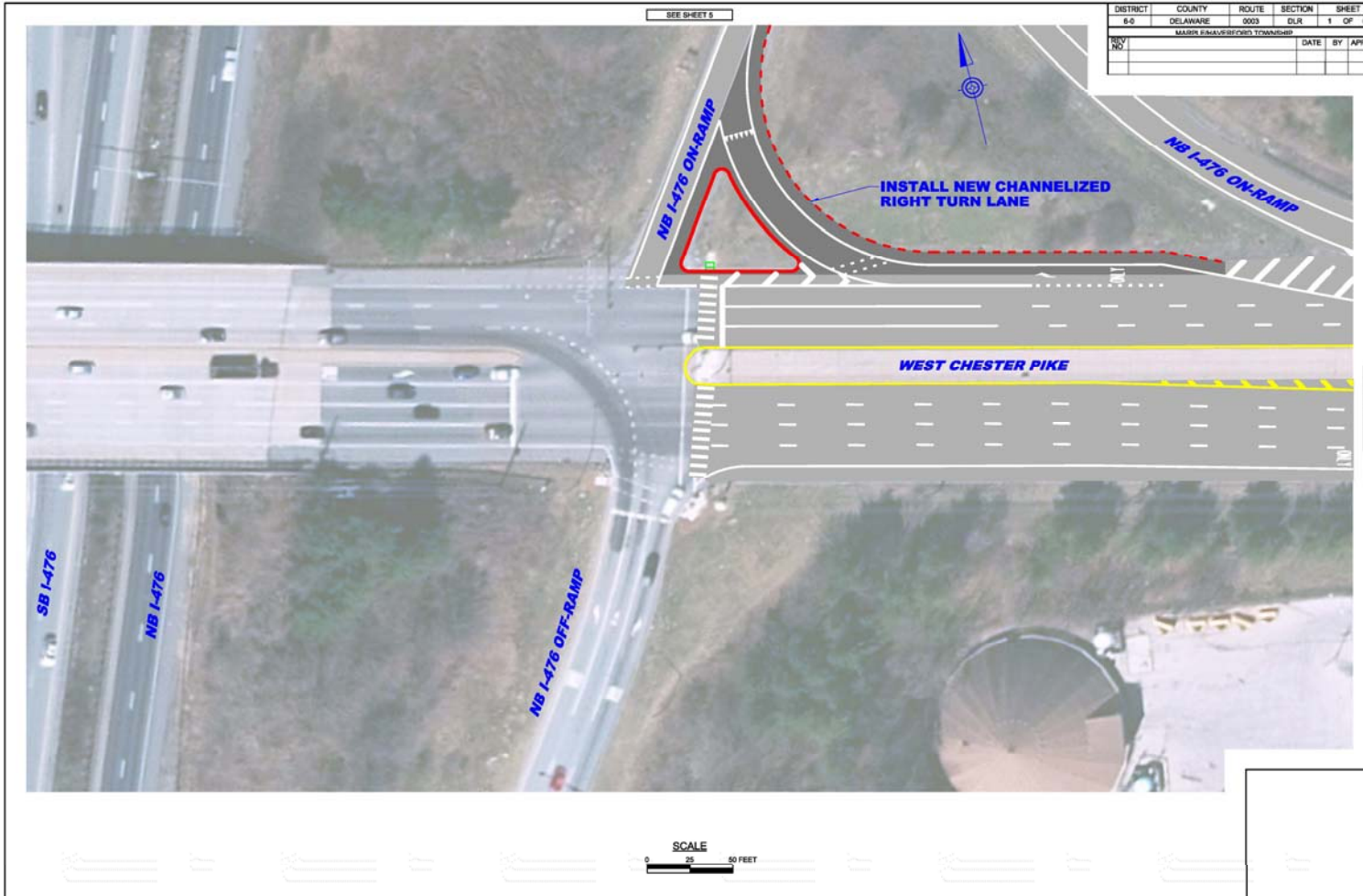
SEE SHEET 2

SEE SHEET 4



DISTRICT	COUNTY	ROUTE	SECTION	SHEET
8-6	DELAWARE	0003	CLR	2 OF 8
KARIN BIRNBAUM/ERIN TRINABARDI				
REV	DATE	BY	APPD	

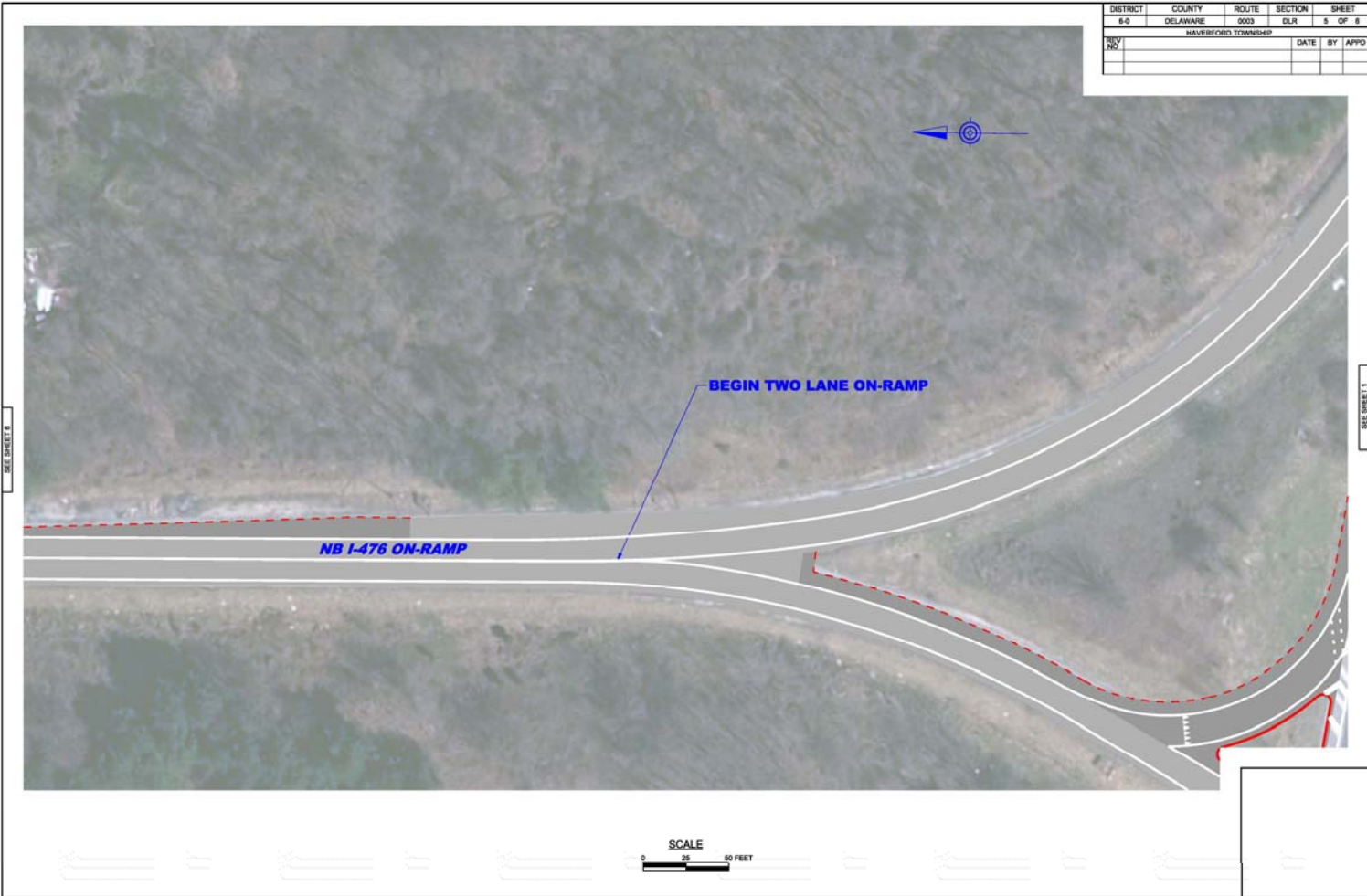




DISTRICT	COUNTY	ROUTE	SECTION	SHEET
8-5	DELAWARE	0003	CLR	1 OF 8
KARIN BRUNNENBERG TRANSPORT				
REV	DATE	BY	APPD	



DISTRICT	COUNTY	ROUTE	SECTION	SHEET
8-8	DELAWARE	0003	01R	5 OF 8
NAVAJOS/INDIAN TRUSTLANDS				
REV			DATE	BY
				APPO



DISTRICT	COUNTY	ROUTE	SECTION	SHEET
8-5	DELAWARE	0003	DLR	6 OF 8
HAVERFORD TOWNSHIP				
REV	DATE	BY	APPD	



TRAFFIC ANALYSIS

Peak Hour Level of Service				
Intersection	AM		PM	
	Existing	Proposed	Existing	Proposed
	LOS (Delay)	LOS (Delay)	LOS (Delay)	LOS (Delay)
Route 3 (West Chester Pike) & I-476 NB Ramps	C (34.0)	C (33.2)	F (89.6)	F (89.5)
Route 3 (West Chester Pike) & S Lawrence Rd	E (55.6)	C (27.9)	E (60.0)	D (50.0)

- Delay shown is a unit of time in seconds



PROJECT SCHEDULE

- Virtual Public Plans Display – March 2022
- Environmental Clearance – March 2022
- Advertisement – Late 2022
- Project Let – Early 2023
- Construction – Spring 2023 to Fall 2023



QUESTIONS

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