



MALVERN RRD STATION ADA IMPROVEMENTS

MALVERN, PA

6/23

SEPTA Project Management Team

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3rd Party Designer

Pennoni Engineers

Project Scope / Purpose and Need

- The project design shall include new high-level platforms, stairs, ramps, minor parking lot improvements as required to accommodate the new high-level platforms and ramps, supporting station infrastructure, and various station amenities.
- ADA compliant precast concrete high-level platforms: The high-level platforms shall be 6 train car lengths long with a low-level section for 2 cars for future Amtrak center track boarding. The platforms shall be ADA accessible via ramps.
- Inbound and outbound platforms shall each have one passenger shelter with heaters and canopied areas to protect passengers from the elements. The underside of all the platform structures (entire length) shall be closed off to prevent trespassing.

Project Scope / Purpose and Need

- Project scope includes: stormwater management, utility coordination, analysis of soil for hazardous materials, soil management plan, environmental site assessment (to include completion of FTA CEE Checklist), erosion & sedimentation controls, evaluation if NPDES will be required at a later design phase, and coordination with local governing agencies. Additionally, minor upgrades to the parking lot to comply with ADA requirements may be needed.
- New LED lighting to all existing station, parking lot and tunnel area light fixtures to be provided.
- Security cameras, audio-visual public-address system, and emergency call boxes

View Showing Back Side of High-Level Platforms



Precast infill panel closes off gap and prevents trespassing

Typical Platform Cross Section Construction



Note: Malvern RRD Station will not be receiving a pedestrian overpass this slide is for the sole purpose to show the platform panel standard construction type

Soil Boring Information

- Soil borings will need to be performed to determine soil load bearing capabilities in order to properly design the new platform foundations
- Access will be required through the properties outlined in green
- Borings will be performed along the outbound or "north" side of the tracks
- Due to Amtrak restrictions, this work will have to be performed during the overnight hours

Soil Borings Access Area



Preliminary Schedule

	2023				2024				2025				2026				2027			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Design Phase		■			■															
Procurement Phase							■		■											
Construction Phase										■		■				■				

NOTE: The above schedule is based on funding and availability of Amtrak support personnel