



DEPARTMENT OF GENERAL SERVICES

Isiah Leggett
County Executive

David E. Dise
Director

June 10, 2013

To: Isiah Leggett, County Executive
Nancy Navarro, Council President

From: David Dise, Director *D*

Subject: Progress Update – Remediation of Defects at Silver Spring Transit Center

The Silver Spring Transit Center Cooperative Remediation Working Group (CRWG) continues its weekly meetings. The most recent meeting was held June 6, 2013. The CRWG is focusing on remediation planning, design and construction scheduling in four categories; two pour strips on the middle (330) level, overlay of the 330 and 350 levels, possible column repairs, and possible beam and girder repairs. In addition the CRWG is reviewing the fire protection code. This memorandum summarizes progress to date in these key areas.

Pour Strip Repairs

- Draft design documents for pour strip repair were reviewed in detail.
- Parsons Brinkerhoff (PB) and KCE will finalize pour strip repair documents and submit to Foulger Pratt, WMATA, and DPS on June 13, 2013. WMATA has agreed to review the documents within 5 days. The MOU limits the review period to 15 working days. DPS will review and issue permits or return documents with comments within 2 weeks.
- The goal is that construction start in July 2013, providing that all parties meet their respective review cycle commitments.

Surface Overlay on Slabs

- KCE has stated its preference for a thin polymer bonded overlay instead of the 2-inch thick Latex Modified Concrete (LMC) originally proposed by PB. The polymer overlay provides a durable surface that will avoid the need to modify curbs, drains, thresholds and walkways.
- Additional Ground Penetrating Radar (GPR) testing is underway on beams and slabs at both levels. GPR will confirm localized areas of low concrete cover. Once identified, these areas will be exposed, sealed, and then covered so as to ensure inadvertent exposure of reinforcing steel or post-tension tendons does not occur after overlay application.
- Application of the surface overlay may start in August 2013. The final schedule and time required to perform the complete overlay process still has to be reviewed by CRWG.

Column Repairs

- The fire protection specialist presented findings of its investigation on potential column fireproofing requirements.

- Early indications are that columns will meet Fire Code. However, final examination of contract documents and code requirements will ultimately determine if any remediation is required. The final report should be delivered at the June 13th CRWG meeting.

Beam and Girder Repairs

- PB and KCE are continuing joint review and evaluation of in-place concrete strength. This may include new core testing to verify prior test results.
- Determination of the few beams & girders to be repaired will take place after that detailed evaluation is complete.

Fire Protection Category Change

- KCE and its fire protection engineer met with DPS to explore feasibility of a fire protection category change.
- A category change is not feasible and appears not to be necessary.

General

- PB and KCE continue to support WMATA's technical concerns and request for more testing.
- There is continued cooperation by all parties.

cc: Roger Berliner, Chair, T&E Committee
Tim Firestine, Chief Administrative Officer