



A continuing tradition of engineering service - since 1946

266 Merrick Road, Suite 300 Lynbrook, NY 11563

*Howard I. Shapiro, P.E.
(1932- 2007)
Jay P. Shapiro, P.E.
Lawrence K. Shapiro, P.E.
Associates
Benjamin Pattou, P.E.
Paul Yuskevich, P.E.
Robert Fitzpatrick, P.E.*

*Senior Associates
James Scheld, P.E.
Valentin Ciocoi, P.E.
Pierre Gonzalez, P.E.
Associates
Mathieu Chaudanson, P.E.
Stephen Ryan, P.E.*

18211.00.00

August 24, 2018

NYC Department of Buildings
BEST Squad Division
Attention: John Young
2 Lafayette Street, 12th Floor
New York, NY 10007

Re: Response to Comments Issued 8/21/18
Site Safety Plan (Phase 1.1 and 1.2), 270 Park Avenue, Manhattan

Dear Mr. Young,

Please see our responses to comments as follows:

Comment #1 (SSP-001.01): As supporting documents for this revised submission provide updates of previously submitted filing strategy, applications, demolition phases and sequences.

Response: Phase 1.2 has been revised in response to Metro North's (MNR) comments related to demolition equipment and associated vibrations operating on deteriorated portions of the viaduct (E. 47th St, E.48th St, and Park Ave roadways and sidewalks) and 270 Park hung ceiling. It was brought to our attention that the viaduct has a number of corroded steel members and spalled concrete slabs. The hung ceiling below 270 Park also has locations where the concrete has spalled.

Information from a condition survey provided by MNR has been added to the plans to indicate where these conditions are located.

The original plan to use mechanical equipment to demolish the planters and dismantle the canopies is being revised to two operations. The first operation, included in this submission, is to demolish the north canopy and portions of the adjacent planters solely by hand and load out the debris manually into light dump trucks. This is viewed as light load and minimal vibrations akin to any other work taking place on the viaduct routinely.

The second operation, to be submitted as an amendment, will use heavier mechanical equipment in dedicated load out areas armored with steel plates. A pre-condition to this operation will be to remove/stabilize the spalled concrete on the hung ceiling of 270 Park.

The filing strategy remains the same. The original drawings for the planter and canopy means-and-methods Alt2 filing (DOB Job No. 123377782) will be superseded with the news plans described above.

Attached is a letter of no objection from MNR for the proposed work.

Comment #2 (SSP-121.01): Clarify grate protection. Drawings show steel plates. P.E. to certify adequate grate support and protection. Prevent debris and dust from entry.

Response: See revised Note 1.1. on SSP-121.01 and Grating Protection Detail on SSP-127.01. Calculations provided for liveload capacity of grating. MNR required that the ventilation grating remain breathable, therefore, the solid forms of protection were removed (steel plate or plywood) and replaced with a 1/4x1/4 wire mesh cover.

Objection #3 (SSP-121.01): 3.4 No trucks on sidewalks.

Response: See new Note 3.4 on SSP-121.01.

Objection #4 (SSP-121.01): East 47th Street

Response: Note 6.2 on SSP-121.01 has been corrected.

Objection #5 (SSP-121.01): SSP-122.00 is not in this set. Add for completeness.

Response: SSP-122.00 provided.

Objection #6 (SSP-123.01): Clarify that egress through the north breezeway will be blocked during construction, barriers and redirection signage shall be provided.

Response: See revised Note 3A. on SSP-123.01.

Objection #7 (SSP-123.01): North egress doors and door to ATMs shall be dust-proofed.

Response: See revised Note 5A. on SSP-123.01.

Objection #8 (SSP-123.01): Clarify: drawings show steel plates.

Response: See revised Note 5E. on SSP-123.01.

Objection #9 (SSP-123.01): Clarify steel and/or plywood.

Response: See revised legend on SSP-123.01. 1/4" x 1/4" wire mesh will be placed over ventilation grating.

Objection #10 (SSP-123.01): "Flag pole to be removed", Not in this phase.

Response: See revised legend on SSP-123.01. "Flag pole to be removed" has been removed from legend.

Objection #11 (SSP-125.01): Show doors.

Response: Existing roll up door now shown on revised SSP-125.01.

Objection #12 (SSP-125.01): Show ATMs and door.

Response: ATMs are now shown on revised SSP-125.01.

Objection #13 (SSP-125.01): Loading dock.

Response: Existing loading dock now shown on revised SSP-125.01.

Objection #14 (SSP-125.01): Show refreshment bar.

Response: Coffee kiosk now shown on revised SSP-125.01.

Objection #15 (SSP-127.01): Clarify need for spall symbols on this set.

Response: Metro North has requested the existing condition of viaduct be shown.

Objection #16 (SSP-127.01): Show 2 worker egress. Indicate debris and equipment storage, any shanty, fire extinguishers, pedestrian redirection signage.

Response: See additional notes on revised Partial Demolition Plan on SSP-127.01. Signage, worker egresses, fire extinguishers, and equipment storage now shown.

Objection #17 (SSP-127.01): Clarify detail number.

Response: Detail number has been corrected on SSP-127.01.

Objection #18 (SSP-127.01): Provide protection for plate glass at perimeter of work area in addition to jersey barrier, fence, and netting.

Response: See additional note on revised Partial Demolition Plan on SSP-127.01. Plywood will be placed up against jersey barriers to protect glass as needed.

Objection #19 (SSP-127.01): PE to certify structural capacity of grate to bear expected loading.

Response: See calculations provided.

Objection #20 (SSP-127.01): Shift ramp away from sidewalk, provide curbs each side, provide barrier between ramp and sidewalk.

Response: See revised Partial Demolition Plan on SSP-127.01. A moveable jersey barrier will be provided between ramp and sidewalk.

Objection #21 (SSP-129.01): Provide curbs at each side of ramp.

Response: See revised Section X-X on SSP-129.01. A 2 x 4 curb at each side of ramp shall be provided.

Objection #22 (SSP-130.01): Provide barrier/guardrail at perimeter of canopy roof in addition to lifelines.

Response: It is impractical to install guardrails on the roof when removing the roof. Instead, workers shall be 100% tied off to steel beams and self-retracting lifelines when working on roof as shown on revised note in Section A-A and Section B-B on SSP-130.01.

Objection #23 (SSP-134.01): Ease block corners to avoid injury.

Response: See revised note on Final Site Condition Plan on SSP-134.01. Block corners will be chamfered to avoid injury.

Objection #24 (SSP-134.01): Provide cover of bulkhead to avoid pedestrian injury and/or tripping.

Response: See revised Timber Bulkhead Details on SSP-134.01. Timber bulkhead will be enclosed with plywood to prevent pedestrian injury.

Sincerely,

A handwritten signature in black ink, appearing to read "James Scheld". The signature is stylized with a large, looped initial "J" and a cursive "S".

James Scheld, P.E.