NOTE:

1. Temporary concrete barriers shall be placed in accordance with the requirements of Section 3 of the Temporary Concrete Barrier Regulation.

2. Steel plate shall be ASTM A36, A572, Grade 345. Tube steel shall be ASTM A500, Grade B or C, and reinforcement shall be A615 Grade 420.

3. All welding shall be performed by a qualified welder in accordance with Section 7 of the NYS Steel Construction Manual.

4. Surfaces to be welded shall be free of oil, rust, moisture, grease or any other material that will prevent proper welding or produce objectionable fumes.

5. Welding shall be performed in accordance with the requirements of Section 7 of the NYS Steel Construction Manual.

6. Concrete barrier covers for reinforcing bars shall be 1½" wide except where otherwise specified.

7. A minimum of 1½" of reinforcing devices with the capacity to lift a mass of 5 tons maximum shall be installed in each segment.

8. The minimum number of anchor pins shall be placed in four recesses of each segment to be furnished.

9. Connection joint covers shall be installed flush with the barrier top.

10. The details shown for the end sections on this sheet are for approach ends where and in the vicinity of the ends of the temporary barriers. When an approach end is to be located to the right of the traffic flow on one-way operations, the approach end shall be located to the right of the traffic flow. The end segment shall be constructed so that it is opposite-hand in all configurations, anchor pin locations and reinforcing details.

11. All concrete barriers shall have a smooth transition to a 6" end-of-section height. All end sections shall be pinned unless otherwise noted.

SECTIONS SHALL BE PINNED UNLESS OTHERWISE NOTED.

ASTM A36M anchor pins shall be placed in four recesses of each segment. A minimum of (2) two recessed lifting devices, with the capacity to lift a mass of 5 tons maximum shall be installed on each segment.

Other material that will prevent proper welding or produce objectionable fumes shall be removed from the surfaces to be welded.

All welding shall be performed by a qualified welder in accordance with Section 7 of the NYS Steel Construction Manual.

TAPERED END SECTION REINFORCING DETAILS

NOTE:

1. Temporary concrete barriers shall be placed in accordance with the requirements of Section 3 of the Temporary Concrete Barrier Regulation.

2. Steel plate shall be ASTM A36, A572, Grade 345. Tube steel shall be ASTM A500, Grade B or C, and reinforcement shall be A615 Grade 420.

3. All welding shall be performed by a qualified welder in accordance with Section 7 of the NYS Steel Construction Manual.

4. Surfaces to be welded shall be free of oil, rust, moisture, grease or any other material that will prevent proper welding or produce objectionable fumes.

5. Welding shall be performed in accordance with the requirements of Section 7 of the NYS Steel Construction Manual.

6. Concrete barrier covers for reinforcing bars shall be 1½" wide except where otherwise specified.

7. A minimum of 1½" of reinforcing devices with the capacity to lift a mass of 5 tons maximum shall be installed in each segment.

8. The minimum number of anchor pins shall be placed in four recesses of each segment to be furnished.

9. Connection joint covers shall be installed flush with the barrier top.

10. The details shown for the end sections on this sheet are for approach ends where and in the vicinity of the ends of the temporary barriers. When an approach end is to be located to the right of the traffic flow on one-way operations, the approach end shall be located to the right of the traffic flow. The end segment shall be constructed so that it is opposite-hand in all configurations, anchor pin locations and reinforcing details.

11. All concrete barriers shall have a smooth transition to a 6" end-of-section height. All end sections shall be pinned unless otherwise noted.
1. TEMPORARY CONCRETE BARRIER (TCB) SHALL BE SECURED IN ACCORDANCE WITH THE REQUIREMENTS OF 710-21, BOX BEAM RAILING AND MEDIAN BARRIER, RAILS.
   A. HOWEVER, THE BOX BEAM NEED NOT BE NEW.
   B. THE GALVANIZING REMAINING ON THE OLD PIECES SHALL BE SUFFICIENT TO ENSURE THE STEEL IS STRUCTURALLY INTACT.

2. TCB CURVING PLAN VIEW TOWARDS TRAFFIC.

3. BOX BEAM CURVING PLAN VIEW AWAY FROM TRAFFIC.

4. TEMPORARY CONCRETE BARRIER WITH BOX BEAM STIFFENER MAY ONLY BE INSTALLED TO THE FOLLOWING MINIMUM RADII:
   - 161'-0" RADIUS
   - 16'-0" SEGMENT - 184'-0" RADIUS
   - 18'-0" SEGMENT - 207'-0" RADIUS
   - 20'-0" SEGMENT - 230'-0" RADIUS.

5. WHERE TEMPORARY CONCRETE BARRIERS ARE PLACED ON A RADIUS, THE RESULTING GAPS BETWEEN THE BOX BEAM AND CONCRETE BARRIER SHALL BE SHIMMED.

6. TEMPORARY CONCRETE BARRIER WITH BOX BEAM STIFFENER MAY ONLY BE USED WITH TCB SEGMENTS 1'-3" OR LONGER.

7. TEMPORARY CONCRETE BARRIER MAY ONLY BE INSTALLED TO THE FOLLOWING MINIMUM RADII:
   - 14'-0" SEGMENT - 16'-0" SEGMENT - 18'-0" SEGMENT - 20'-0" SEGMENT - 22'-0" SEGMENT - 24'-0" SEGMENT.

8. THE PRESENCE OF NORMAL HOLES DRILLED PER THIS SHEET WILL NOT AFFECT THE REUSABILITY OF THE CONCRETE SEGMENTS.

9. HARDWARE OTHER THAN THE BOX BEAM NEED NOT BE GALVANIZED.

THE 6B2 AND 6B3 BARS SHALL BE 1'-0" SHORTER THAN THE NOMINAL LENGTH OF BOX BEAM 6" X 6" X ‰.

FINISHED GRADE SHELF ANGLE (TYP.)

STANDARD HIGHWAY POSTS RUB RAIL

PLAN

END VIEW A-A

SECTION B-B

NOTES:

1. THE DETAILS SHOWN ON THIS SHEET REPRESENT AN ACCEPTABLE WAY OF TRANSITIONING FROM BOX BEAM TO TEMPORARY CONCRETE BARRIER. OTHER WAYS MAY ALSO BE ACCEPTABLE IF APPROVED BY NYSDOT.

2. REFER TO SHEET 619-01, SHEET 1 FOR ADDITIONAL NOTES.

3. THE SIZE AND G30 BARS SHALL BE 1'-0" SHORTER THAN THE NOMINAL LENGTH OF THE ШАБ БВНТЯЛУ.


5. HOLES THROUGH SECTION 9-9 MAY NOT BE RE-USED IN REGULAR HOLES.

NEW YORK DEPARTMENT OF TRANSPORTATION

US. CUSTOMARY STANDARD SHEET

TEMPORARY CONCRETE BARRIER

(SHEET 4 OF 5)

TRANSITION FROM BOX BEAM - OPTION A

APPROVED: MAY 2, 2017

ISSUED UNDER EB 07-005

OFFICE OF CONSTRUCTION

ASSISTANT DIRECTOR

OFFICE OF ENGINEERING

619-01
NOTES:

1. SEE DETAILS SHOWN ON THE SHEET APPROPRIATELY ACCEDED FOR TRANSITIONING FROM BOX BEAM TO TEMPORARY CONCRETE BARRIER BACK AND FOR. OTHER SHEETS MUST ALSO BE ACCEPTABLE IF APPROVED BY THE ENGINEER.

2. BACKUP POSTS SHALL BE ADDED AS NEEDED TO ENSURE THAT POST SPACING IS NOT MORE THAN 11 FEET FOR 3'-0" POSTS AND 13 FEET FOR 4'-0" POSTS. ALL POSTS MUST BE 6'-0" LONG OR LONGER.


5. IF BOX BEAM IS EXPOSED, SEE NOTE 6.

6. THE LEADING ENDS OF THE BOX BEAM SHALL BE JOINED TO THE TEMPORARY CONCRETE BARRIER (TCB) AND BACK. OTHER MEANS MAY ALSO BE ACCEPTABLE, IF APPROVED BY THE ENGINEER.

7. THE DETAILS SHOWN ON THIS SHEET REPRESENT ACCEPTABLE MEANS OF TRANSITIONING FROM BOX BEAM TO TEMPORARY CONCRETE BARRIER BACK AND FOR. OTHER SHEETS MUST ALSO BE ACCEPTABLE IF APPROVED BY THE ENGINEER.