

New Jersey Turnpike Authority

PO Box 5042, Woodbridge, NJ 07095



Document Change Announcement

2009 Manual for Traffic Control in Work Zones

DCA2012-TM-01

DATE: September 5, 2012

Subject: Revision to Manual for Traffic Control in Work Zones

Description of Change

Add Subsection 3.2.6 describing requirements related to the installation of lane shifts during the "Summer" season on the Garden State Parkway.

Instructions to Designers and Consultants

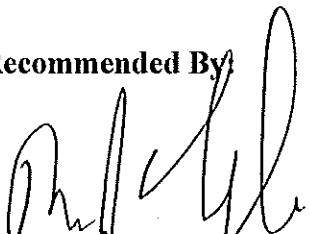
Effective immediately, the revisions contained in this announcement shall be applied to all projects that have not reached Phase A level of design. Contact your NJTA Project Manager for instructions. Attached revision is noted in italics.

Designers may access these revisions in the NJTA Manual for Traffic Control in Work Zones, which is available on the Authority's Web Page: <http://www.state.nj.us/turnpike/traffic-manual.html>.

Information for In-House Staff

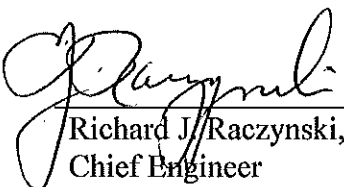
The revisions have been incorporated into the Manual for Traffic Control in Work Zones, which is available on the S: / drive @ S:\TrafficManual. Please distribute the information to your respective Project Managers and have them direct their consultants appropriately.

Recommended By:



Robert J. Fischer, P.E.
Assistant Chief Engineer, Design

Approved By:

 9/17/12

Richard J. Raczynski, P.E.
Chief Engineer

cc: Senior Staff Engineering, Operations & Maintenance Departments, All Prequalified Consultant Firms, File

New Jersey Turnpike Authority

DOCUMENT UPDATE REQUEST

Forward to Assistant Chief Engineer, Design

Initiator	Steve Alpert, P.E.	Submittal Date	08.21.12
Firm	HNTB Corp.	Telephone	973-237-1650

Document (check one)

- Procedures Manual
- Design Manual
- Manual for Traffic Control in Work Zones
- Sample Plans
- Standard Drawings
- Standard Specifications

Description of Change

Add Subsection 3.2.6 describing requirements related to the installation of lane shifts during the "Summer" season on the Garden State Parkway.

Reason for Change

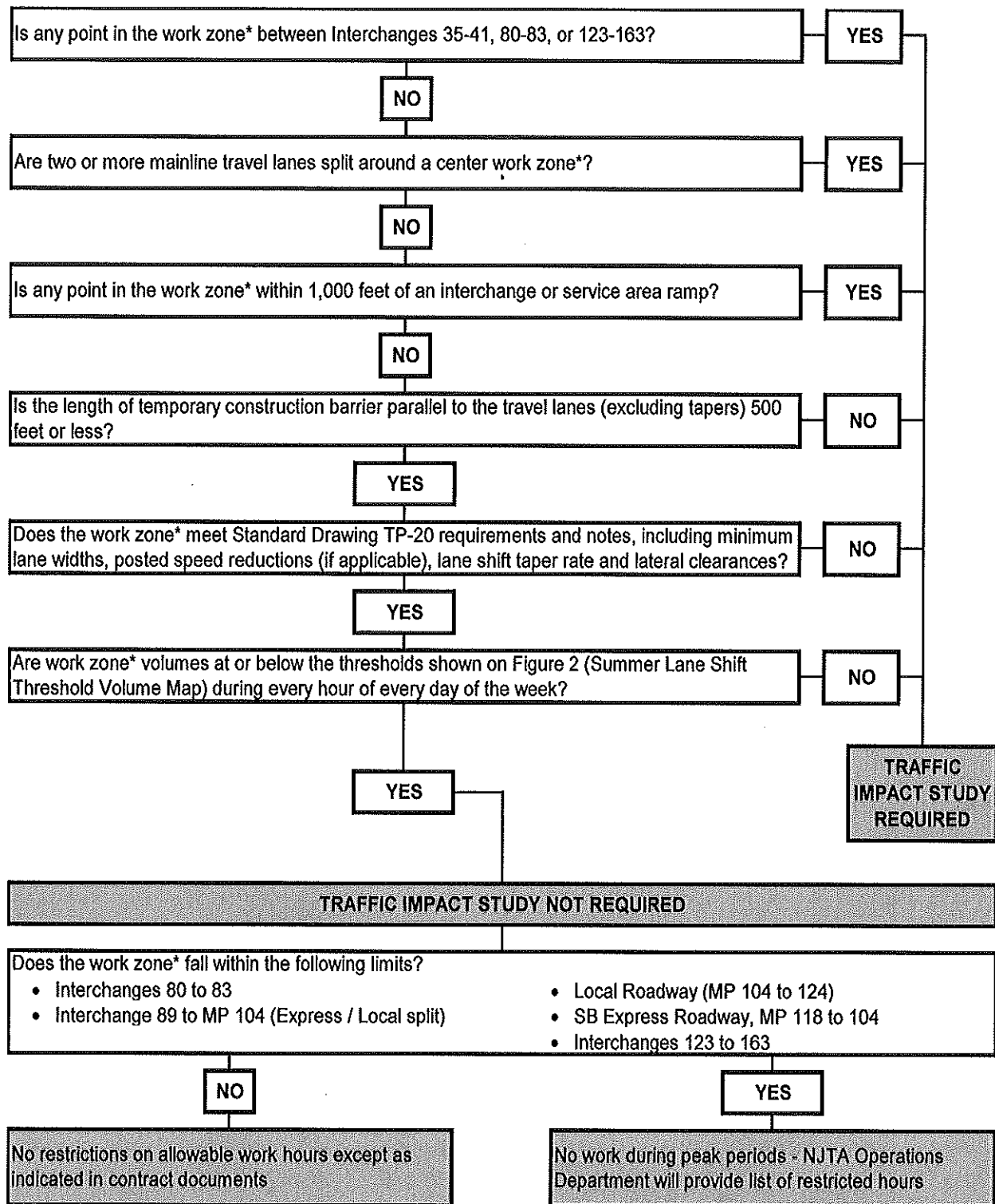
During the "Summer" season, as defined in the Lane Closure and Shoulder Closure Tables, the Garden State Parkway experiences increased traffic volume, especially south of Interchanges 127-129. Due to this regular occurrence, the Authority generally restricts long-term lane shift installations unless a Traffic Impact Study is submitted to demonstrate that any adverse impacts will be limited to the satisfaction of the Authority. As requested by the NJTA Operations Department through the NJTA Engineering Department, HNTB examined traffic volumes to determine under what circumstances a consultant may not be required to submit a Traffic Impact Study for a proposed lane shift. Subsection 3.2.6 of the Manual for Traffic Control in Work Zones describes the outcome of HNTB's investigations, as discussed with and approved by the NJTA Engineering Department, including the final version of the flow chart submitted to the Authority on August 3, 2012.

3.2.6 Summer Lane Shifts on the Garden State Parkway

During the Summer season, as defined in the Lane Closure and Shoulder Closure Tables, the Garden State Parkway experiences increased traffic volume, especially south of Interchanges 127-129. Due to this regular occurrence, the Authority generally requires a Traffic Impact Study (TIS) to be submitted and approved for a proposed installation of a long-term lane shift that will be in place during Summer months. The TIS must include quantitative analyses of mainline operations and operations of any ramp within 1,000 feet of the work zone following the methodology of the Highway Capacity Manual 2000 (HCM2000), demonstrating that any adverse impacts caused by the lane shift will be limited to the satisfaction of the Authority.

There are limited exceptions to the requirement to submit a TIS for long-term lane shifts to be installed on the Parkway during Summer months. The flow chart in Figure 1 describes the circumstances under which a TIS would not be required, including work zone location, configuration and traffic volumes. Figure 2 shows the threshold volumes above which a TIS will be required for each freeway segment. Note that even if a TIS is not required, the Authority still may limit construction activity within the lane shift during peak periods. In that circumstance, the NJTA Operations Department will provide a list of restricted work hours.

Figure 1. Garden State Parkway Summer Lane Shift Restrictions Flow Chart



* "Work zone" is measured from the beginning of the shoulder closure taper to the last cone or barrier segment in the closure.

Figure 2. Garden State Parkway Summer Lane Shift Threshold Volume Map

