# Mitigation Measures

## TRAFFIC CONTROL AND OPERATIONS/ITS

<table>
<thead>
<tr>
<th>Strategy</th>
<th>Description</th>
</tr>
</thead>
</table>
| **Capacity Increase**     | - Construct shoulder lane on eastbound NB-HCE (I-78/Turnpike) from Interchanges 14 to 14C; striping improvements from 14C to Columbus Drive.  
- Re-time signal at Jersey Avenue to favor throughput on I-78/NB-HCE to accommodate traffic diverted from the Pulaski/Route 139 corridor.  
- Install adaptive signal control at 15 signals on the Route 1&9T and Route 440 corridors.  
- Twelve-hour advance notice of Hackensack and Passaic lift bridge openings for tide-dependent vessels; restrict openings of the lift bridges during peak hours for non-tide-dependent vessels. |
| **Traffic Detours/Restrictions** | - Close Raymond Boulevard ramps to NJ Turnpike and Doremus Avenue to improve traffic flow on Route 1&9T.  
- Sign a truck detour along Foundry Street to divert truck trips away from Route 1&9T.  
- Sign a truck detour along Port Street to divert truck trips away from Delancy Street.  
- Provide geometric improvements (turn restrictions, striping, phasing changes) at Communipaw and Newark Avenues. |
| **Motorist Information**  | - Provide travel time via Dynamic Message Signs (DMS) at key decision points in the region.  
- DMS to display advance warning and current closure information region-wide. |

## INCIDENT MANAGEMENT

<table>
<thead>
<tr>
<th>Strategy</th>
<th>Description</th>
</tr>
</thead>
</table>
| **Incident Detection** | - Install nine temporary, full coverage cameras along length of Skyway and at 23 key locations on diversionary routes.  
- Place milepost markers along entire length of Skyway. |
| **Incident Response**  | - Deploy emergency towing service  
- Provide additional access for Emergency Responders at east and west approaches in addition to center ramps.  
- Assemble Emergency Response Grid Map to pinpoint incidents more quickly. |
| **Motorist Information** | - Provide incident information via DMS at key decision points in the region. |
# Mitigation Measures

## Transit and Travel Demand Management

<table>
<thead>
<tr>
<th>Strategy</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ferry</td>
<td>Service from Atlantic Highlands to Paulus Hook, Jersey City and Hoboken Terminal, Hoboken</td>
</tr>
<tr>
<td>Park and Ride</td>
<td>Parking lot at International Way near EWR with private bus service to Journal Square, Grove St, and Exchange Place</td>
</tr>
</tbody>
</table>

## Public Information

<table>
<thead>
<tr>
<th>Strategy</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic Information</td>
<td>Utilize the listserv of all partners to send emails, tweets, and other notifications. Publicize travel times and advisories on 511nj.org. Construction and alternate route/mode information on NJDOT’s website <a href="http://www.pulaskiskyway.com">www.pulaskiskyway.com</a>. Utilize social media through agency partners to broadcast messages.</td>
</tr>
<tr>
<td>Meetings</td>
<td>Meetings with business and stakeholder groups to explain travel options. Public Meetings. Utilize TMA to help disseminate information and assist motorists interested in creating /joining carpool and vanpool.</td>
</tr>
<tr>
<td>Print Materials</td>
<td>Stock rest areas with project brochures/fact sheet, and in EZ Pass billing notices. School backpack notices. Feature in Hudson County Improvement Authority (HCIA) household mailer.</td>
</tr>
</tbody>
</table>
ITS/TSM Improvements

- 70+ permanent and portable DMS signs relay real-time travel times for primary and alternate routes
- Real-time travel time and incident reports from TRANSCOM/NJDOT enable quick systems analysis (hourly reports)
- Signals/geometry improvements @ US 1&9T/Communipaw/NJ 440
  - Geometric Improvements
    - Provide more storage for eastbound traffic
    - Restrict minor movements that use precious signal time and storage space
  - Signal adjustments
    - Combine 4 controllers into 1
    - Attach single controller to MASSTR (adaptive) system
    - Achieved a 27% increase in peak hour throughput for critical movements without increasing delays/queues on other approaches
Dynamic Message Signs
US 1&9T Enhancements

- Widening of the ramp from Route 1&9 to Route 1&9T from 1 lane to 2 lanes
- Adaptive Signal control = Smart Signals
- Minor intersection changes to signals or turning lanes to improve the traffic flow in the northbound direction towards Jersey City
- In addition, there will be 23 Temporary Portable Cameras deployed throughout the region at key intersections to identify incidents
- Restrictions on Bridge Openings
511NJ: Dedicated Page to Pulaski Skyway

Attention Motorists: Starting Monday October 13th to Thursday October 16th from 9:00 PM to 4:00 AM, Route 9 Southbound at Green Street in Woodbridge, Middlesex County, all lanes will be closed for Road work. Also, there will be a full weekend closure starting from 9:00 PM Friday October 17th, 2014 until 4:00 AM Monday October 20th, 2014. Detour will be in effect. Motorists are encouraged to use an alternate route.

As of 3:06pm, there's an Accident on the Garden State Parkway northbound South of Exit 163 NJ 17 in Paramus.

As of 3:05pm, there's Parking related on La Guardia Airport Terminal C Parking P4 in New York lot is 100% occupied.

As of 3:00pm, there's Parking related on La Guardia Airport Terminal D Parking P5 in New York lot is 96% occupied.

As of 2:42pm, there's Emergency Construction and Pothole repairs.

As of 2:38pm, there's Emergency Construction and Pothole repairs.
511NJ: Maps and Reported Incidents

**Reported Incidents**

As of 2:41pm, there are Delays on **NJ 21** in both directions between South St. and Raymond Blvd in Newark due to volume.

As of 1:24pm, there are Delays on **US 189 Truck Route** northbound between Broadway and Tonnelle Circle in Jersey City - 5-10 minute delay.

As of 9:00am, there's Construction on **NJ 7** northbound South of CR 508 in Kearny. Right shoulder closed for repairs until 3:30 P.M.

As of 2:13am, there's Construction on **Pulaski Skyway** in both directions ramp to/from Broadway in Jersey City. Ramp closed and detoured until further notice.

As of 2:13am, there's Construction on **US 189 Truck Route** northbound ramps to New Jersey Turnpike in Newark. Ramp closed for repairs until April 12, 2015.

As of 2:13am, there's Construction on **Pulaski Skyway** northbound between US 189 Truck Route/Raymond Blvd in Newark and Tonnelle Circle in Jersey City. All lanes closed and detoured until April 14, 2015.

As of 6:46pm, there's Construction on **NJ 81** in both directions from North of New Jersey Turnpike to CR 624/North Av. in Elizabeth. Right shoulder closed until 6:59 A.M. on October 13, 2014.

---

**Congestion Legend**

- Portions based on historical data.
511NJ: Twitter Feed (questions answered)
### Holland Tunnel Trips Via

<table>
<thead>
<tr>
<th>Route Description</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>I-78 East Bound from Exit 58 via NJ Turnpike/Hudson County Extension (10mi.)</td>
<td>:14</td>
</tr>
<tr>
<td>exiting at Exit 58 via US 1&amp;9/US 1&amp;9 Truck Route/NJ 139 (10mi.)</td>
<td>:22</td>
</tr>
<tr>
<td>from GSP (express lanes) via NJ Turnpike/Hudson County Extension (16mi.)</td>
<td>:20</td>
</tr>
<tr>
<td>from GSP (local lanes) via NJ Turnpike/Hudson County Extension (16mi.)</td>
<td>:21</td>
</tr>
<tr>
<td>from GSP (express lanes) exiting at Exit 58 via US 1&amp;9/US 1&amp;9 Truck Route/NJ 139 (16mi.)</td>
<td>:28</td>
</tr>
<tr>
<td>from GSP (local lanes) exiting at Exit 58 via US 1&amp;9/US 1&amp;9 Truck Route/NJ 139 (16mi.)</td>
<td>:28</td>
</tr>
</tbody>
</table>

### Lincoln Tunnel Trips Via

<table>
<thead>
<tr>
<th>Route Description</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>I-280 East Bound from Exit 17A to NJ Turnpike Eastern Spur/NJ 495 (8mi.)</td>
<td>:18</td>
</tr>
<tr>
<td>from Exit 12 (GSP) to Exit 17/NJ Turnpike Eastern Spur via NJ 495 (14mi.)</td>
<td>:24</td>
</tr>
</tbody>
</table>
Other Resources

- Transit
- Alternate Routes
- Temporary Detours
- Carpools/Vanpools
- 511NJ Travel Info
- Newsroom