Maspeth Queens Truck Impact Reduction Project

Master Plan Update

June 2016
Executive Summary

► DOT implemented roadway changes in Maspeth, but with limited success in rerouting truck traffic

► DOT has developed potential solutions to more successfully reroute truck traffic

► DOT is conducting public outreach to gain buy-in before finalizing the Master Plan

► Goals:

  ► Increase truck usage of Bypass route

  ► Reroute trucks away from Residential Streets
Project Area
This increase coincides with general economic recovery.
Potential Solution: Improve Public Outreach Short Term

- Outreach to companies needs to be wider than just Maspeth IBZ
- Companies located in Flushing/Metropolitan/Morgan/Bushwick Aves.
- Door knocking exercise/handling out truck maps to companies in this area
Potential Solution: Improve Bypass Short Term

► Review signal timings and coordination
► Change stop sign locations along the Bypass route to prioritize truck movements

Existing Stop Sign Location to be Removed

Proposed Stop Sign Location

Maspeth Av. & Page Pl.
Improvement #2

Short-term Improvements
1. More stop sign to Maspeth Ave
2. Narrow Rust St approach
3. Signal optimization
4. Temporary truck inspection station
5. Add daylighting
6. Reorganize 56th St
7. 56th Dr one-way conversion

Other general improvements in the area:
- Street name signs
- New major medians/entry points
- Renovate curb regulations
- More frequent resurfacing

Mid-term Improvements
8. Maurice Ave one-way conversion
9. Overhead signage
10. ITS truck detection

Long-term Improvements
11. Vision Zero Improvements along Grand Ave
12. Traffic Signal at Maspeth Ave/Rust St intersection
13. Regrading of rail crossing at Maspeth Ave
14. Permanent truck inspection station
15. New Crossing at Maspeth Ave/56th Rd
16. Future Potential Roadway Conversions

Existing truck route
Major truck generator
Residential area
Future Potential Roadway Conversions
Potential Solution:
Restripe Rust Street at Maspeth Avenue

- Narrow Rust Street to one lane
Maspeth Bypass | Truck Impact Reduction Project

Proposed Transportation Improvements

Short-term Improvements
1. Move stop sign to Maspeth Ave
2. Narrow Rust St approach
3. Signal optimization
4. Temporary truck inspection station
5. Add daylighting
6. Reorganize 58th St
7. 56th Dr one-way conversion

Other general Improvements in the area:
- Street name signs
- Reduce major roadways/entry points
- Remove curb regulations
- More frequent resurfacing

Mid-term Improvements
8. Maurice Ave one-way conversion
9. Overhead signage
10. ITS truck detection

Long-term Improvements
11. Vision Zero Improvements along Grand Ave
12. Traffic signal at Maspeth Ave/ Rust St intersection
13. Relandscaping of rail crossing at Maspeth Ave
14. Permanent truck inspection station
15. New crossing at Maspeth Ave/58th Rd
16. Future potential roadway conversions

Future Potential:
- Existing truck route
- Major truck generator
- Residential area
- Future potential roadway conversions
Potential Solution: Temporary Truck Enforcement Station

Objective of the Enforcement Station

- Provide a safe place for enforcement officials to stop, inspect trucks and interview drivers

Trucks at this location will be truck route non-compliant (if not making a local delivery)

- Can be used to stop trucks travelling in both directions
- Issued a citation for not following truck route

Acts as a deterrence for trucks using Flushing Avenue as a shortcut
Potential Solution: Temporary Enforcement

FLUSHING AVENUE TEMPORARY TRUCK ENFORCEMENT STATION - SECTION
Potential Solution: Temporary Enforcement

- Pilot Location: Flushing Avenue Underpass

Viaduct used for Truck Enforcement Station
### Proposed Transportation Improvements

#### Short-term Improvements
1. Move stop sign to Maspeth Ave
2. Narrow Rust St approach
3. Signal optimization
4. Temporary truck inspection station
5. Add daylighting
6. Eliminate double parking along 58th St
7. 56th Dr one-way conversion

#### Other general improvements in the area:
- Street name signs
- Review major roadways/entry points
- Review curb regulations
- More frequent roostriping

#### Mid-term Improvements
8. Maurice Ave one-way conversion
9. Overhead signage
10. ITS truck detection

#### Long-term Improvements
11. Vision Zero Improvements along Grand Ave
12. Traffic Signal at Maspeth Ave/Rust St intersection
13. Redesigning of rail crossing at Maspeth Ave
14. Permanent truck inspection station
15. New Crossing at Maspeth Ave/S78th Rd

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**Legend**
- Existing truck route
- Major truck generator
- Resident of area
Potential Solution:
Add Daylighting

► Northeast corner of Grand Avenue and Page Place
Potential Solution: Add Daylighting

- Narrow Rust Street to one lane
- Northwest corner of Grand Avenue and 57th Drive

Conflicts Area
Potential Solution: Add Daylighting

- Northwest corner of Grand Avenue and 57th Drive

Conflict Area
Proposed Transportation Improvements

Short-term Improvements
1. Move stop sign to Maspeth Ave
2. Narrow Rust St approach
3. Signal optimization
4. Temporary truck inspection station
5. Add daylighting
6. Eliminate double parking along 58th St
7. 58th Dr one-way conversion

Other general improvements in the area:
- Street name signs
- Review major roadways/entry points
- Review curb regulations
- More frequent restriping

Mid-term Improvements
1. Maurice Ave one-way conversion
2. Overhead signage
3. ITS truck detection

Long-term Improvements
11. Vision Zero improvements along Grand Ave
12. Traffic Signal at Maspeth Ave/Rust St intersection
13. Relocating of rail crossing at Maspeth Ave
14. Permanent truck inspection station
15. New Crossing at Maspeth Ave/58th Rd

Existing truck route
Major truck generator
Residential area
Potential Solution: Compliance

- Consistent double parking taking place in highly active industrial zone
Potential Solution: Street Reconfiguration

► Consistent double parking taking place in highly active industrial zone

► Existing condition:
Potential Solution: Street Reconfiguration

- Study feasibility of reconfiguring 58th Street to accommodate bypass traffic and local uses
Potential Solution: Street Reconfiguration

58th STREET PROPOSED LAYOUT - SECTION
Improvement #8

- Move stop sign to Maspeth Ave
- Narrow Rust St approach
- Signal optimization
- Temporary truck inspection station
- Add daylighting
- Eliminate double parking along 58th St
- 56th Dr one-way conversion

Other general improvements in the area:
- Street name signs
- Review major roadways/entry points
- Review curb regulations
- More frequent restriping

Mid-term Improvements
- Maurice Ave one-way conversion
- Overhead signage
- ITS truck detection

Long-term Improvements
- Vision Zero Improvements along Grand Ave
- Traffic signal at Maspeth Ave/Rust St intersection
- Regrading of railroad crossing at Maspeth Ave
- Permanent truck inspection station
- New crossing at Maspeth Ave/38th Rd

Note: Existing truck route, Major truck generator, Residential area
Potential Solution: Improve Bypass Mid-Term

- Study feasibility of extending the one-way streets of the Maspeth Bypass to LIE / Borden Avenue
- This may reduce number of turning movements at Borden Avenue / Maurice Avenue and Maurice Avenue / 55th Drive / 59th Street, allowing for better traffic flow through this intersection
Maspeth Bypass | Truck Impact Reduction Project

Proposed Transportation Improvements

Short-term Improvements
1. More stop sign to Maspeth Ave
2. Narrow Rand St approach
3. Signal optimization
4. Temporary truck inspection station
5. Add daylighting
6. Reorganize 56th St
7. 56th Dr one-way conversion

Other general improvements in the area:
- Street name signs
- Review major roadways/entry points
- Remove curb regulations
- More frequent restriping

Mid-term Improvements
8. Maurice Ave one-way conversion
9. Overhead signage
10. ITS truck detection

Long-term Improvements
11. Vision Zero Improvements along Grand Ave
12. Traffic Signal at Maspeth Ave/Rand St intersection
13. Realigning rail crossing at Maspeth Ave
14. Permanent truck inspection station
15. New Crossing at Maspeth Ave/Ninth Rd
16. Future Potential Roadway Conversions

Existing truck route:
- Major route generator
- Residential area
- Future Potential Roadway Conversions

Improvement #9
Potential Solution: Improve Bypass Mid-Term

- Existing Truck Signage is not effective at various locations in Maspeth
Potential Solution:
Improve Bypass Mid-Term

- Study Feasibility of designing high visibility custom truck signage

Typical overhead SBS sign in Manhattan
Custom overhead sign at Holland Tunnel
Potential Solution: Improve Bypass Mid-Term

- Study Feasibility of designing high visibility custom truck signage
- Location: Flushing Avenue and 53rd Street
Improvement #10
Potential Solution: Improve Truck Compliance Mid-Term

▶ Study Feasibility of Designing ITS Solutions to Track Truck Traffic

➢ Digital signs can be activated by a sensor to deter approaching trucks from turning onto Grand Avenue or Flushing Avenue
Potential Solution: Improve Bypass Mid-Term

- Study Feasibility of Designing ITS Solutions to Track Truck Traffic
  - Use smart-city analytics to gather data from cameras, laser classifiers and overheight detectors.
  - Potential location: Flushing Avenue Underpass
Improvement #11

Short-term Improvements
1. Move stop sign to Maspeth Ave.
2. Narrow Rust St approach.
4. Temporary truck inspection station.
5. Add daylighting.
6. Reorganize 58th St.
7. 56th Dr one-way conversion.

Other general improvements in the area:
- Street name signs
- Review major roadways/entry points
- Refine curb regulations
- More frequent resurfacing.

Mid-term Improvements
8. Maurice Ave one-way conversion.
10. ITS truck detection.

Long-term Improvements
12. Traffic Signal at Maspeth Ave./Rust St. intersection.
13. Regrading of rail crossing at Maspeth Ave.
14. Permanent truck inspection station.
15. New Crossing at Maspeth Ave./56th Rd.

Existing truck route
- Major truck generator
- Residential area
- Future Potential Roadway Conversions.
Potential Solution:
Vision Zero Improvements at Grand Ave.

GRAND AVENUE PROPOSED LAYOUT - PLAN VIEW
OPTION 1

Grand Avenue Corridor

DRAFT
Potential Solution:
Vision Zero Improvements at Grand Ave.

GRAND AVENUE PROPOSED LAYOUT - PLAN VIEW
OPTION 1- DETAIL AREA
Potential Solution: Vision Zero Improvements at Grand Ave.
Potential Solution:
Vision Zero Improvements at Grand Ave.
Potential Solution: Vision Zero Improvements at Grand Ave.
Potential Solution: Permanent Enforcement
Potential Solution: Permanent Enforcement
Potential Solution: Permanent Enforcement

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FLUSHING AVENUE PERMANENT TRUCK ENFORCEMENT STATION - SECTION
Next Steps

► Developing Draft Master Plan
► Incorporate public input into Final Master Plan