EXHIBIT VIII.C.17.d.

ROADWAY AND TRAFFIC IMPROVEMENTS



In summary, the Gaming Facility will generate less peak hour traffic than the permitted de Laet's Landing project. Please see Exhibit VIII.C.17.d for a Traffic Assessment completed by the Applicant's engineer.

A few recommendations are suggested to enhance the overall transportation environment for the project including:

- Reconstruct the site driveway/access to provide for two entering and exiting lanes.
- Retime/optimize all the traffic signals along Broadway to adjust to the new traffic patterns associated with the Gaming Facility development.
- Based on market conditions, develop shuttle services aimed at transporting patrons between the Project site and the nearby Albany/Rensselaer Amtrak train station. Consider shuttle services for other transit hubs in the vicinity of the project site.
- Based on market conditions, coordinate with the Capital District Transit Authority (CDTA) to identify
 potential route changes that could bring a bus line into (or near) the development. Currently, the 114
 Neighborhood Route (Madison/Washington) travels along Broadway near the site.
- Continue to work with the New York Department of Transportation and the City of Rensselaer to enhance and promote the use of the riverfront area as an asset for the site and the surrounding land uses.

For more details on potential roadway and traffic improvements, please see Section 3.8 of the FGEIS, as well as the Traffic Impact Study in Appendix H. Please also see VHB's traffic memorandum for an updated assessment of potential roadway and traffic improvements for the proposed project.

Attached to this exhibit, please find a traffic memo from VHB, which provides a recent assessment of recommended roadway and traffic improvements.

Transportation Land Development Environmental Services



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Suite 118

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Memorandum To: NYS Funding LLC

c/ o Och-Ziff Real Estate 9 West 57th Street – 39th Floor New York, NY 10019 Date: June 23, 2014

Project No.: 29266.00

From: Robert L. Nagi, PE

Principal, Transportation Planning &

Operations

Re: Potential Casino Development

Rensselaer, NY

Transportation Assessment

Vanasse Hangen Brustlin, Inc. (VHB) has prepared this technical memorandum to summarize our evaluation of the traffic impacts and potential off-site roadway infrastructure needs associated with the development of the Van Rensselaer Site on Broadway in Rensselaer, NY (the "Site") as a resort casino project.

The purpose of this technical memorandum is to summarize the prior history of development proposals on this site and its impacts as they relate to the transportation environment, identify the transportation-related impacts associated with the currently proposed casino development, and outline any mitigation measures needed to address the project's impacts on the surrounding roadway network.

PROJECT DESCRIPTION

The approximately 24-acre Site is located adjacent to the Hudson River along Broadway, just north of the Dunn Memorial Bridge (Routes 9 & 20). An Amtrak station/rail yard abuts the site to the north. The site was formerly occupied by Rensselaer High School, which has been relocated. Currently, the site is undeveloped.

Prior plans for the Site included a mixed-use project referred to as the "Rensselaer Waterfront Redevelopment" project. This redevelopment project was originally presented back in 2008 and was proposed to include 165,000± sf retail space, 250,000± s.f. of office space, 515 residential units (low-rise and high-rise condominium townhouse units), and a 300 room hotel. Collectively in this document, this will be referred to as the "Mixed-Use Proposal".

The current development proposal has been defined as a resort-style casino that includes a gaming area which can support up to 1,950 gaming positions (approx. 1,650 slot machines and 50 table games, each with six seats), the potential for two restaurants, and a 100-room hotel. Approximately 1,500 parking spaces are anticipated to support the development which will be

¹ Note: the proposed development program will include 1,500 slot machines. For the purposes of this traffic evaluation, the total number of slot machines has been increased by 10% (1,650 total) and analyzed to provide some flexibility in the final number of gaming positions.

accommodated in a surface parking area with some additional off-site options. Collectively, this is referred to as the "Project".

SITE HISTORY

The Site was previously permitted for the mixed-use Rensselaer Waterfront Redevelopment through the New York State Environmental Quality Review (SEQR) process. In 2009, a Final Generic Environmental Impact Statement (FEIS) was filed and found complete. As noted previously, that project included the following elements:

- $165,000\pm$ sf retail space,
- $250,000 \pm \text{ s.f.}$ of office space,
- 515 residential units (low-rise and high-rise condominium townhouse units), and
- a 300 room hotel.

The transportation impacts of that development were identified through the SEQR process in the EIS submissions and through discussions with the City of Rensselaer and County. The focus of the EIS's transportation study² area concentrated on the following six primary intersections:

- Broadway/ Columbia Turnpike (Signalized)
- > Broadway/ Third Avenue/ Route 9 & 20 On-Ramp (Signalized)
- ➤ Broadway/ Route 9 & 20 Off-Ramp (Signalized)
- ➤ Broadway/ Herrick Street (Unsignalized at time of FEIS filing)
- Broadway/ John Elvis Boulevard (Signalized)
- Broadway / Partition Street (Signalized)

Trip Generation

Trip generation estimates for the Mixed Use Proposal presented in the TIS utilized standard Institute of Transportation Engineers (ITE) Trip Generation methodology³. To account for potential market variability, the Mixed Use Proposal considered a potential increase of 30-percent, or 49,500 square feet, in retail space (and a corresponding reduction in office space) as an alternative development scenario. This development scenario generates higher daily and peak hour traffic volumes and was therefore used as the basis of the analysis.

By virtue of the mixed-use nature of the proposal, the study also considered the impacts of internal trip credits, mode share implications, and pass-by trips to develop total 'net-new' trips to the Site. The resulting gross trips and net new trips are summarized in Table 1 below. As shown, the Mixed Use Proposal was projected to generate approximately 828 weekday morning and 1,278 weekday evening new peak hour trips.

² Rensselaer Waterfront Redevelopment Final Generic Environmental Impact Statement (FEIS) Appendix H - Traffic Impact Study (TIS); SRF Associates; October 2008.

³ Institute of Transportation Engineers, Trip Generation, Seventh Edition, Washington DC.

Table 1: Previous Proposal Trip Generation Estimate

| Condition | Gross Trips | Net New Trips |
|---------------------------|-------------|---------------|
| Daily ^a | n/a | n/a |
| AM Peak Hour ^b | | |
| Enter | 585 | 483 |
| <u>Exit</u> | <u>418</u> | <u>345</u> |
| Total | 1,003 | 828 |
| | | |
| PM Peak Hour ^b | | |
| Enter | 829 | 581 |
| <u>Exit</u> | <u>988</u> | <u>697</u> |
| Total | 1,817 | 1,278 |

Source: Rensselaer Waterfront Redevelopment TIS

Mitigation

To address project impacts, the Mixed Use Proposal committed to several mitigation measures aimed at addressing the traffic impacts associated with the overall project development. Since the publication and acceptance of the FEIS, the City of Rensselaer undertook an \$11 million reconstruction project focused on the Broadway Corridor. The project included an update and restoration effort focused on the Broadway Viaduct Bridge over the Amtrak rail lines. This upgrade included new curbing, sidewalks, bridge decks, drainage upgrades, improvements to pedestrian facilities, traffic signals, landscaping, waterlines, and the sanitary sewer. Many of the mitigation actions identified in the FEIS were addressed in this NYDOT and Division of Housing and Community Renewal-sponsored project.

In summary, the following mitigation measures were identified in the FEIS as being needed to support the Mixed-Use Development project:

- ➤ Columbia Street /Broadway: Signal timing adjustments/ optimization.
- ➤ Third Avenue/Broadway: Signal timing adjustments/ optimization
- **Route 9 & 20 Off-Ramp/Broadway:** Signal timing adjustments/ optimization
- > Herrick Street I Broadway: Install a traffic signal. Completed as part of the Broadway Reconstruction
- **Partition Street /Broadway:** Signal timing adjustments/ optimization
- ➤ **Broadway/New Broadway:** Reconfigure intersection and add turning lanes *Completed* as part of the Broadway Reconstruction.

With the majority of the Broadway Corridor having already been upgraded, many of the remaining efforts (signal timing adjustments and optimization) will still be required. Figure 1 notes where the project is in relation to the surrounding roadway network.

a vehicle trips / day

b vehicle trips per hour

⁴ Rensselaer Waterfront Redevelopment Final Generic Environmental Impact Statement (FEIS) Findings Statement, 2009.

CURRENT DEVELOPMENT PROPOSAL

As discussed above, the current Project envisions a resort style casino that includes a gaming area, several restaurants, and a hotel. In addition, approximately 1,500 on-site parking spaces would be provided in a garage and/ or surface lots. A site plan is attached elsewhere in this submission.

Access to the site will be provided via a single driveway located along Broadway (at its intersection with the viaduct bridge) and will be designed to accommodate the various access needs of the public roadway system and site development.

Existing Traffic Volumes

For this development proposal, manual turning movement counts were conducted at the six study area intersections noted previously on weekday evenings to identify if any changes to the underlying assumption contained in the 2008 EIS. VHB collected traffic volume data in June 2014 at the six study area intersections to coincide with the critical analysis periods discussed below. The data was collected on a Thursday from 4:00 to 6:00 PM and on a Friday from 5:00 to 7:00 PM. The traffic count data is included as an attachment to this memorandum.

A review of the 2014 data indicates that traffic volumes have not grown since the 2007 data collection effort to support the Mixed Use Proposal. In fact, the total entering volumes at all six study area intersections have grown by virtually nothing (0.0-percent) from 2007 to 2014 in the weekday evening peak hour. Friday traffic volume are approximately 15-percent <u>lower</u> than collected 2007 weekday evening peak hour volumes. Based on the traffic counts conducted, the peak hour for the Broadway corridor runs from about 4:45 to 5:45 pm.

Moreover, both the weekday evening and Friday peak hour observed traffic patterns are consistent with data collected in 2007 (i.e. no one movement saw significant growth while another movement declined). Based on this finding, the prior 2007 analysis conducted and presented in the traffic study portion of the prior EIS remains consistent with current 2014 observations.

Selection of Analysis Peak Hour

As part of this analysis, VHB researched several casino-related traffic reports that were provided as "similar in nature" to the Project under consideration. Similarly, VHB also utilized previous research efforts that were conducted for other Resort-style casino developments in the Northeast. Almost all of the reports concluded that the Saturday peak hour is the largest generator of traffic for casino-based projects. However, they also identified the weekday evening peak hour as the typical critical analysis peak (the combination of commuter traffic and casino-based traffic is at its highest point during these times). In observing traffic conditions throughout the Project's study area, VHB has concluded that the weekday evening peak hour condition should be considered the "design" condition for the Project, although the Saturday peak hour will also present some challenges associated with different traffic patterns and will ultimately need to be studied in more depth, if needed.

Trip Generation

A critical component of the preliminary analysis is defining how much traffic could potentially be generated by the Project. Identifying the volume of daily and peak hour volume will help to define the scope and magnitude of traffic improvements needed to support the project's access needs and define the study area that will ultimately need to be considered for the project.

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Trip-generating characteristics for proposed developments are typically determined based on trip generation rates published by the Institute of Transportation Engineers (ITE) in Trip Generation⁵. A review of the ITE manual indicated that it includes Casino/ Video Lottery Establishment (Land Use Code [LUC] 473) as one of the land uses in its database.

However, a close review of the data points in the ITE manual indicated that the trip rates for the land use are based on survey of establishments ranging from 600 sf to 2,400 sf that was conducted in South Dakota in the 1990's. The manual described the land use as comprising of establishments that provide electronic or manually controlled slot machines, and that they do not represent full services casinos or casino/ hotel facilities. Based on the information reviewed, VHB determined that ITE LUC 473 is 'helpful' in defining the traffic impacts of a project of this magnitude, but is ultimately not an appropriate land use code for estimating the trip generation for the Project.

Therefore, in lieu of using ITE rates, VHB obtained empirical trip generation data which is based on actual traffic counts conducted at existing casino sites in the United States. In addition, VHB has a database of publically available information from other casino projects across the country 6, each with its own unique description and characteristics and surrounding demographics. It should be noted that each of the studies that were obtained on-line relied on data collected at several existing casinos of various types and configurations and not the ITE data.

Not surprisingly, developments of this type rely on an integrated combination of land uses to bring together the experience for their patrons. While the casino and gaming floor is the main 'attraction' of the development, the other land uses on the site all play a role in creating a positive experience for the visitors to the site. For example, it is expected that the restaurant uses and hotel on the site will primarily be used by visitors to the casino. That's not to suggest that someone could come to the restaurant and not go to the gaming floor, but it's unlikely that this would be the majority of the visitors.

It is VHB's opinion that the information below provides for a reasonable approximation for the basis for the preparation of this analysis. Should the specific tenant provide any additional information at a later date that would suggest that the trip rates are different from VHB's estimates; the analysis could be revised to reflect the new data. That said, VHB believes that these trip estimates are conservatively high for a project of this magnitude.

Table 2 below shows the peak hour trip generation estimates for the Project. A tabulation of trip rates from record documents reviewed for the preparation of this analysis is included in the attachment to this memorandum.

⁵ Institute of Transportation Engineers, Trip Generation, Eighth Edition, Washington DC.

⁶ Traffic Impact & Access Study, Hard Rock Racino at Northfield Park, provided by the Client via an e-mail dated 5/19/2014

Table 2: Trip Generation Estimate *

| Condition | Average Thursday | Average Friday | Average Saturday |
|---------------------------|------------------|----------------|------------------|
| Daily ^a | | | |
| Enter | 6,450 | 9,800 | 10,000 |
| <u>Exit</u> | <u>6,450</u> | <u>9,800</u> | <u>10,000</u> |
| Total | 12,900 | 19,600 | 20,000 |
| AM Peak Hour ^b | | | |
| Enter | 175 | 305 | 210 |
| <u>Exit</u> | <u>65</u> | <u>120</u> | <u>80</u> |
| Total | 240 | 425 | 290 |
| PM Peak Hour ° | | | |
| Enter | 405 | 555 | 520 |
| <u>Exit</u> | <u>375</u> | <u>515</u> | <u>480</u> |
| Total | 780 | 1,070 | 1,000 |
| Site Peak Hour d | | | |
| Enter | 445 | 785 | 740 |
| <u>Exit</u> | <u>415</u> | <u>730</u> | <u>685</u> |
| Total | 860 | 1,515 | 1,425 |

a customer vehicle trips / day

As indicated in Table 2, the Project analyzed included 1,950 gaming positions⁷, restaurant space, and a hotel of up to 100 rooms would be expected to result in a Saturday peak hour trip generation of approximately 1,425 vehicles per hour. On the critical weekday evening peak hour, the estimate is 1,070 vehicle trips. As noted, the weekday evening peak hour will serve as the basis for this preliminary assessment.

Comparison to the Mixed-Use Project

One important factor in evaluating the readiness of the site and the surrounding roadway network to support this development is to compare the previously approved Mixed Use Project (which received SEQR approval) with the proposed Project.

During the critical weekday evening peak hour, the Project is expected to generate approximately **16-percent few er trips** then the Previous Mixed-Use Proposal. It should be noted that the Project trip generation estimates for the Casino Project do not take any internal and/or pass-by trip credits.

⁷ Note: the proposed development program will include 1,500 slot machines. For the purposes of this traffic evaluation, the total number of slot machines has been increased by 10% (1,650 total) and analyzed to provide some flexibility in the final number of gaming positions.

b customer vehicle trips per hour, from 8 AM - 9 AM

c customer vehicle trips per hour (5 PM - 6 PM on Thursday and Friday; 2 PM - 3 PM on Saturday)

d customer vehicle trips per hour, from 9 PM - 10 PM

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Further, the Site is located adjacent to an active Amtrak train station. It is likely that the Project trip generation estimates presented above could be reduced to account for transit mode choice among casino visitors and/or employees.

Trip Distribution

The directional distribution of site-generated traffic approaching and departing the Site is a function of population densities, existing travel patterns, competing opportunities, and the efficiency of the existing roadway system to carry the new traffic. In the case of projects such as casinos, the trip distribution analysis is typically based on detailed market studies. While VHB did not have access to the specific market studies that may have been prepared for the Project, a potential trip distribution pattern for the regional highway system serving the Site was developed based on the population densities surrounding the facility and known travel routes. This distribution is summarized in Table 3 below and shown graphically in Figure 2.

Table 3: Regional Trip Distribution Summary

| Direction From* | Roadway | % of Site Traffic |
|-----------------|-------------------|-------------------|
| Northeast | Broadway | 20% |
| East/Southeast | Third Street | 5% |
| East/South East | Columbia Tumpike | 5% |
| West | Route 9 and 20 EB | 70% |
| TOTAL | | 100 % |

^{*} Return trip assumed to be the reverse of the arrival route

As shown in Table 3, the trip distribution estimates suggests that 70-percent of the Project-related traffic will arrive using a portion of the interstate highway system to Route 9 and 20 eastbound. The remaining 30-percent of the Project-related traffic will arrive and depart from the region using Broadway, Third St, or Columbia Turnpike.

Assigning the projected site-generated traffic volumes from Table 2 to the roadway system results in an "order-of-magnitude" level of impact on the nearby study area intersections and roadway links. Table 4 shows the overall weekday and Friday evening peak hour estimates of vehicular traffic on these roadways.

Table 4: Project Related New Traffic by Direction

| Direction From* | Roadway | Thursday PM Peak | Friday PM Peak |
|-----------------|-------------------|------------------|----------------|
| Northeast | Broadway | 155 | 210 |
| East/Southeast | Third Street | 40 | 55 |
| East/South East | Columbia Tumpike | 40 | 55 |
| West | Route 9 and 20 EB | 545 | 750 |
| TOTAL | | 780 | 1,070 |

^{*} Return trip assumed to be the reverse of the arrival route

Of note, is that the Dunn Memorial Bridge will see approximately 545 new peak hour Thursday evening trips and 750 new Friday evening Project-related trips.

Analysis Results

Using the updated traffic counts as a basis for analysis, VHB prepared updated traffic capacity analyses for the corridor's six study area intersections. The results of that updated analysis are provided below in Table 5:

Table 5 / Intersection Capacity Analysis Summary

| | | | | 2014 Bui | d Condition | |
|---------------------|-----------------|------|--------------------|------------------|-------------|------------------|
| Location | Movement | v/c¹ | Delay ² | LOS ³ | Q50⁴ | Q95 ⁵ |
| Columbia Street at | EB-LT | 0.16 | 6 | Α | 8 | 22 |
| Broadway | EB-TH | 0.72 | 10 | В | 210 | 274 |
| | EB-RT | 0.02 | 4 | Α | 0 | 5 |
| | WB-LT | 0.04 | 5 | Α | 1 | 4 |
| | WB-TH | 0.40 | 7 | Α | 85 | 114 |
| | WB-RT | 0.05 | 5 | A | 1 | 12 |
| | NB-LT | 0.31 | 26 | С | 25 | 65 |
| | NB-TH-RT | 0.08 | 27 | С | 6 | 31 |
| | SB-LT | 0.46 | 27 | С | 37 | 89 |
| | SB-TH-RT | 0.06 | 26 | С | 5 | 26 |
| | Overall | 0.67 | 10 | Α | | |
| Third Avenue at | WB-LT-TH | 0.60 | 14 | В | 54 | 90 |
| Broadway and Route | WB-RT | 0.05 | 11 | В | 0 | 19 |
| 9\20 On-Ramp | NB-LT-TH- RT | 0.19 | 6 | Α | 14 | 37 |
| | SB-LT-TH | 1.03 | 56 | E | ~163 | #307 |
| | SB-RT | 0.75 | 15 | В | 87 | #247 |
| | Overall | 0.88 | 26 | С | | |
| Route 9\20 Off-Ramp | EB-LT | 0.93 | 35 | С | 216 | #411 |
| at Broadway | EB-RT | 0.60 | 15 | В | 93 | 177 |
| | NB-TH | 0.25 | 12 | В | 44 | 83 |
| | SB-TH | 1.05 | 62 | Е | ~342 | #534 |
| | Overall | 0.99 | 39 | D | | |
| Herrick Street at | WB-LT-RT | 0.56 | 24 | С | 64 | 109 |
| Broadway | NB-TH-RT | 0.72 | 11 | В | 161 | #437 |
| | SB-LT | 0.06 | 4 | Α | 1 | m9 |
| | SB-TH | 0.47 | 7 | Α | 122 | 207 |
| | Overall | 0.68 | 11 | В | | |
| John Elvis Blvd at | EB-LT | 0.34 | 24 | С | 27 | 59 |
| Broadway | EB-RT | 0.18 | 11 | В | 0 | 34 |
| | NB-LT | 0.71 | 20 | В | 114 | #215 |
| | NB-TH | 0.21 | 4 | Α | 66 | 55 |
| | SB-TH | 0.28 | 14 | В | 48 | 90 |
| | SB-RT | 0.05 | 12 | В | 0 | 23 |
| | Overall | 0.44 | 13 | В | | |
| Partition Street at | WB-LT-RT | 0.47 | 36 | D | 37 | 82 |
| Broadway | NB-TH-RT | 0.26 | 3 | Α | 38 | 84 |
| - | SB-LT-TH | 0.16 | 3 | Α | 22 | 51 |
| | Overall | 0.29 | 9 | Α | | |
| | | | | | | |

VHB, Inc. using Synchro 7 (Build 773, Rev 8) software. Shaded cells denote LOS E/F conditions. Source:

Note:

volume to capacity ratio average delay in seconds per vehicle

2 3 4 5 # level of service 50th Percentile Queue 95th Percentile Queue

95th Percentile volume exceeds capacity, queue may be longer

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As illustrated in Table 5, the 2014 traffic conditions, with the Casino-related traffic overlaid on it, indicate that all intersections are operating at Level-of-Service D or better and that virtually all movements and approaches throughout the study area are currently operating at acceptable Level-of-Service D or better conditions during the weekday evening peak hour.

SUMMARY AND RECOMMENDATIONS

This technical memorandum has been prepared to identify and support the concept of a Casino development within the City of Rensselaer to be located off of Broadway near the Broadway Viaduct and Amtrak rail yards.

The previously reviewed and approved Mixed-Use development at the site went through a full environmental review as part of the SEQR process and was ultimately approved for development. The currently proposed Casino-project would generate approximately 15-percent less peak hour traffic during the peak hour conditions.

The Proponent of the Casino development should continue to carry forward the same mitigation commitment for the development as was proposed with the prior project so as to address any outstanding mitigation actions required to support the project. Additionally, a few recommendations are suggested to enhance the specific transportation environment associated with the Casino development:

- Reconstruct the site driveway/ access to provide for two entering and exiting lanes. This will require minor widening of the driveway approach to provide the full four lane cross-section and minor modifications to the Broadway northbound approach (which has been contemplated in the design of the intersection).
- Retime/ optimize all the traffic signals along Broadway to adjust to the new traffic patterns associated with the Casino development. Continue to monitor and adjust these timings, as needed, following the initial occupancy of the development to provide for continued coordination and optimal traffic flow.
- Develop shuttle services aimed at transporting patrons between the Project site and the nearby Albany/ Rensselaer Amtrak train station. Consider shuttle services for other transit hubs in the vicinity of the project site.
- Identify off-site parking opportunities for support staff and employees to remotely park and ride to the project site.
- Coordinate with the Capital District Transit Authority (CDTA) to identify potential route changes that could bring a bus line into (or near) the development. Currently, the 114 Neighborhood Route (Madison/ Washington) travels along Broadway near the site.
- Continue to work with the New York Department of Transportation and the City of Rensselaer to enhance and promote the use of the riverfront area as an asset for the site and the surrounding land uses.

With these physical improvements in place, along with the operational changes suggested, the transportation infrastructure supporting the project will be able to safely and efficiently accommodate the resulting traffic impacts of the Casino project.

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ATTACHMENTS

- > Trip Distribution Calculations
- > 2014 Traffic Volume Data
 - o Weekday Evening
 - o Friday Evening
- > Synchro Results

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ATTACHMENTS

Trip Distribution Calculations

- 2014 Traffic Volume Data
 - Weekday Evening
 - Friday Evening
- > Synchro Results

Trip Distribution

29266.00 :: Rensselaer Casino

| F. 10 | | | | | Columbia Turnpike | _ | umbia Turnpike | | | | | | | |
|---------------------|--------------|---------------|-----------|----------------------------|---------------------|---------------------|----------------|-------------------------------------|--------------------------|----------------------|-----------------------|--------------------|----------------------|-----------------------|
| | County | State (miles) | opulation | Factor Factored Population | | Route 9 and 20 vla | via Thrid St | Thrid Street via Route 9 and 20 via | Boradway via Rout | Route 9 and 20 vla R | oute 9 and 20 via R | Route 9 and 20 vla | Broadway via | oute 9 and 20 via |
| Zedaze | | | | - | Route 9 to Route 20 | I-90 WB to I-787 SB | WB Street | 1-90 EB to 1-787 SB | 1-90 EB to Broadway L-87 | L87 NB to L787 NB | 1-84 EB to I-87 NB to | 20 202 | l | Route 7 WB (NY) to I- |
| NORFOLK | 5 t | 2 5 | 1,234 | 5,0 | 617 | 40% | 40% | %0 | | | 20110 | 1 | 1-87 5B to 1-90 EB 7 | 87 SB |
| NORTH CANAAN | ı | | 3 345 | ļ | 854.5 | 40% | | 20% | | | | | | |
| SALISBURY | Ü | | 3.741 | | 107.01 | 40% | | 20% | | | | | | |
| | | | 8,485 | | 4242.5 | 40% | | 20% | | | | | | |
| | | | 494 | | 247 | 40% | | 20% | | | | | | |
| | | | 1,737 | | 868.5 | 40% | | 202 | | | | | | |
| | Derkshire M. | | 1,779 | - | 889.5 | 40% | | 20% | | | | | | |
| | | | 1,233 | - | 616.5 | 40% | | 20% | | | | | | |
| | l | | 1,902 | 1 | 951 | 40% | | 20% | | | | | | |
| | ı | | 1,256 | 1 | 633 | 40% | | 20% | | | | | | |
| | ļ | | 3,235 | ļ | 1617.5 | 40% | | 20% | | | | | | |
| | | | 1,337 | | 668.5 | 40% | | 20% | | | | | | |
| | | | 1,222 | 1 | 611 | 40% | | 20% | | | | | | |
| | l | | 77,707 | 1 | 851 | 40% | | 20% | | | | | | |
| | | | 1,671 | | 835,5 | 40% | | 20% | | | | | | |
| | | | 872 | - | 436 | 40% | | 20% | | | | | | |
| | | | 6,756 | ļ | 3378 | 40% | | 20% | | | | | | |
| | 1 | | 1,225 | | 612,5 | 40% | | 20% | | | | | | |
| | 1 | | 752 | | 376 | 40% | | 20% | | | | | | |
| | 1 | | 1,054 | | 527 | 40% | | 2000 | | | | | | |
| | 1 | | 7,104 | | 3552 . | 40% | | 2000 | | | | | | |
| | | | 21.2 | | 717 | 40% | | 2000 | | | | | | |
| | | | 788 | l | 168.5 | A092 | | 20% | | | | | | |
| | | | 706 | | 353 | 40% | | 20% | | | | | | |
| | | | 2,032 | | 1016 | 7000 | | 20% | | | | | | |
| | İ | | 2,180 | | 1090 | 404 | | 70% | | _ | | | | |
| | | | 3,091 | l | 3091 | 40% | | 20% | | | | | | |
| | | | 5,943 | | 2971 5 | 40% | | 20% | | | | | | |
| | | | 5005 | ۱ | 2642 6 | *C* | | 20% | | | | | | |
| | | | 165 | | 360 5 | 40% | | 20% | | | | | | |
| | | | 121 | l | 202 | 40% | | 20% | | | | | | |
| | | | 961 | | 500 | 40% | | 20% | | | | | | |
| MOUNT WASHINGTON Be | | | 167 | | 83.5 | 40% | | 20% | | | | | | |
| | | | 228 | | 328 | 40.4 | | 20% | | | | | | |
| | | | 1.509 | ļ | 75.7 | 4078 | | 20% | | | | | | |
| | l | | 13,708 | l | 6854 | Ana | | 20% | | | | | | |
| OTIS | | | 1,612 | l | 806 | 40% | | 20% | | | | | | |
| | | | 847 | | 423.5 | 70V | | 2008 | | | | | | |
| | | | 44,737 | | 44737 | 40% | | 20% | | | | | | |
| | | | 648 | | 324 | 7007 | | 20% | | | | | | |
| | | | 1,475 | | 1475 | 7604 | | 20% | | | | | | |
| ROWE | | | 393 | | 196.5 | 707 | | 20% | | | | | | |
| | ļ | | 915 | | 457.5 | 707 | | 2029 | | | | | | |
| | | | 692 | l | 345 | 700 | | 20% | | | | | | |
| SHEFFIELD | | | 3,257 | | 1628.5 | 40% | | 20% | | | | | | |
| | | | 1,947 | | 973.5 | 40% | | 2000 | | | | | | |
| | | | 485 | ١. | 242,5 | 40% | | 2000 | | | | | | |
| | 1 | | 327 | | 163.5 | 40% | | 207 | | | | | | |
| | - | | 538 | | 269 | 40% | | 2000 | | | | | | |
| | | | 1,306 | | 653 | 40% | | 20% | | | | | | |
| | | | 7,754 | | 7754 | 40% | | 20% | | | | • | | |
| | 1 | | 858 | İ | 449,5 | 40% | | 20% | | | | | | |
| | ļ | | 1,156 | ı | 578 | 40% | | 20% | | | | | | |
| Ametordom | ĺ | | 97,856 | | 97856 | | | | | /602 | | | | - |
| | 1 | | 24,186 | 1 | 24186 | | | %05 | 7605 | 9792 | | 8000 | | |
| | 1 | | 1,573 | 1 | 786.5 25 | % 22% | | | | | | | | |
| Ashland | ļ | | 3,782 | ı | 1891 | | | | | | | 100 | | |
| | l | | 784 | 0,5 | 392 | | | | | 1000 | | %D5 | 20% | |
| Austerlitz | | | 4,089 | | 4089 | | | | | 70001 | | | | |
| | | | 777.0 | 1 | 1654 25 | %52 75% | | | | | | | | |
| Benson | | | 3,770 | 7 0 | 9776 | | | | | | | 7605 | 2097 | |
| Berlin | | | 1 990 | 1 | 96 | | | %05 | 20% | | | 9/07 | SCOC. | |
| | | | 1,080 | | 1880 | 15% | 20% | 15% | | | | 1 | | 7005 |
| | | | 33,656 | | 23000 | | | | | 20% | | 20% | | 200% |
| Bleecker | Fulton | | 533 | ł | 33000 | | | | | 100% | | | | |
| | | | 377 | | 188 5 | | | 9605 | 20% | | | | | |
| | | | 5,260 | | 2630 | | | | | | 100% | | | |
| | | | 973 | 0.5 | 486.5 | | | 20% | 20% | | | | | |
| | | | | ĺ | | | | | | | 100% | | | |

29266.00 :: Rensselaer Casino

| | | : | | | | | Columbia Turnpike | | Columbia Turnotke | | | | | | | |
|-------------|--------|-------|---------|----------|------------|---------------------|---------------------|---------------------|-------------------|------------------|---|---------------------|--|---|-----------------------|-----------|
| Clty/Town | County | State | (miles) | | Factor Fac | Factored Population | via | Route 9 and 20 vla | - 1. | Thrid Street via | Route 9 and 20 via Boradway via | Route 9 and 20 via | Route 9 and 20 via Route 9 and 20 via | d 20 via Broadway vla | | zo vía |
| | | | s | 2000 | | | Route 9 to Route 20 | I-90 WB to I-787 SB | WB | Street | I-90 EB to I-787 SB I-90 EB to Broadway | 1-87 NB to 1-787 NB | 1-84 EB to 1-87 NB to 1-787 SB to 1-787 SB | | Route 7 WB (NY) to I- | NY) to I- |
| | | | 8 8 | 889 | | 11946 | | | | | | 100% | | 1 | 1 | |
| | | | 25 | 2,692 | 1 | 269 | | | | | | 100% | | | | |
| | | | SO | 3,347 | | 1673. | 110 | | | | | | | 100% | | |
| Lexington | Greene | | 20 | 805 | 0.5 | 405. | | | | | | 10001 | | 20% | 50% | |
| | ١ | | 20 | 3,646 | - | 187 | 3 25% | 75% | ,,, | | | YOUT | | | | |
| | ĺ | | 22 | 14,765 | - 10 | 1471 | 25 | | | | | | | 20% | 2005 | |
| | | | 35 | 5,195 | | 3247 | 5 | | | | %05 %05 | .00 | | | 200 | |
| | ١ | | 25 | 3776 | 1 | 75 | 0 | | | | | | | 20% | 20% | |
| | | | 05 | 3.750 | 1 5 | 187 | | | | | | | 100% | | | |
| | | | 50 | 2,370 | | 118 | 25% | 7507 | | | | 100% | | | | |
| | | | 50 | 18,575 | | 9287. | - | | | | | | | | | |
| | | | 20 | 4,297 | | 2148. | 25 | | | | | | | 20% | 20% | |
| | 1 | | 50 | 3,844 | | 192 | 2 | | | | 50% | | | | | |
| | ١ | | 2 | 14,728 | | 736 | | | | | | 9 | | | | |
| | | | 25 | 4,789 | | 478 | | 40% | 26007 | 2000 | | | | 20% | 20% | |
| | 1 | | 25 | 3,370 | 1 | 337 | 6 | | | 0/07 | | 1000+ | | | | |
| New Lebanon | 1 | | 25 | 2,305 | 1 | 230 | 5 25% | 75% | | | | TOUS | | | | |
| | | | 25 | 8,648 | 1 | 864 | 8 | | | | | , and a | | | | |
| Niskayuna | 1 | | 25 | 21,781 | 1 | 2178 | | | | | 75% | 2000 | 2002 | 20% | | |
| | ı | | 25 | 12,075 | | 1207 | 22 | | | 2505 | | | 3000 | | | |
| | 1 | | 25 | 2,670 | | 133 | 3. | | | | 20% | | | | | 20% |
| | | | 20 | 3,031 | 0.5 | 1515. | 2 | | | | | 2 | | | | |
| | 1 | | 20 | 5,087 | | 2543. | 25 | | | | | | | 20% | 20% | |
| Cilve | Uister | | 22 | 4,419 | | 2209. | 2 | | | | | 1000 | | 20% | 20% | |
| | ٨ | | 20 | 3,240 | | 162 | 0 | | | | | | | | | |
| | Fuiton | | 20 | 3,646 | | 182 | 3 | | | | 50% | | | | | |
| | | | (25 | 1,525 | | 152 | | | | 7656 | 200 | 9 - | | | | |
| | | | 20 | 2,473 | | 1236. | 25% | 75% | | | | 2 | | | | %09 |
| | | | 25 | 5,735 | | 573 | | | | | | | | | | |
| | - | | 25 | 4,530 | | 453 | - | | | 805 | 733+ | | | | | 100% |
| | | | 20 | 700 | 0.5 | 35 | | | | | | 1000 | | | | 35% |
| | 1 | | 25 | 2,115 | ļ | 211 | 5 | | | | 25% 25% | | 2003 | | | |
| | 1 | | 20 | 1,995 | ı | . 666 | 2 | | | | | | SCOC. | 7002 | 1000 | |
| | 1 | | 20 | 27,901 | -1 | 13950. | | | | | | | | 20% | 20% | |
| | | | 8 | 11,319 | 1 | 5659. | 5 25% | %5.2 | | | | | | 20% | 20% | |
| | | | 7 | 9,392 | | 935 | 2 | | 20% | 40% | 40% | 3 | | | | |
| Rhineherk | | | 2 5 | 1,843 | 1 | 184 | | | | | | 100% | | | | |
| | | | 200 | 7,548 | | 377 | 4 25% | % 75% | | | | | | | | |
| | ١ | | 200 | 2,610 | 1 | 130 | 2 | | | | | | 100% | | | |
| Rosehoom | 1 | | 200 | 1,715 | | 857. | 2 | | | | 50% | - | | | | |
| | ١ | | 30 | 711 | | 355. | 2 | | | | | | 70001 | | | |
| | ı | | 25 | 29,094 | | 2905 | | | | | 50% | | 2001 | | | |
| | | | 8 | 2,502 | | 125 | | | | | | 100% | | - | | |
| | l | | 20 | 2,715 | 1 | 1357. | 2 | | | | | | | 2005 | 2000 | |
| | l | | Q | 8,530 | 1 | 853 | | | | 20% | 15% | - | | 800 | SOC | 1 |
| | l | | 200 | 5,674 | - | 283 | | | | | | | | 200 | 1000 | 35% |
| | | | 20 | 26,586 | - | 1325 | | | | | | | | 3038 | 3036 | |
| | | | 30 | 19,482 | | 974 | 1 | | | | | 100% | | 200 | SOCI | |
| | ĺ | | ž | 264 33 | 1 | 19/ | | | | | | | | | | 1008 |
| | l | | 25 | 12 794 | - | 1270 | | 1000 | | | 25% 25% | 9 | 20% | | | |
| | | | 20 | 3.205 | | 1603 | | 1076 | 45% | 45% | | | | | | |
| | | | 50 | 1 763 | ı | 201 | | | | | | | 100% | | | |
| | | | 50 | 3,085 | 1 | 1542 | | | | | | | | | | |
| | i | | 20 | 1,846 | | 92 | 1 | | | | | 100% | | | | |
| | | | 20 | 2,631 | | 1315. | - | | | | 200 | | 100% | | | |
| | Í | | 20 | 2,267 | 0.5 | 1133. | 15 | | | | 20% | 9 | | | | |
| | | | 20 | 3,823 | | 1911. | 5 25% | | | | | TOOL | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | |
| | | | 25 | 2,903 | 1 | 290 | | 10% | 45% | 45% | | | | | | |
| | | | 25 | 8,287 | 1 | 828 | | | | | | | | | | |
| | İ | | 25 | 2,815 | 1 | 281 | 5 25% | 75% | | | | | | 20% | 20% | |
| | | | 25 | 2,027 | 1 | 202 | | | | | | | | | | |
| Toutload | ١ | | 20 | 1,148 | | 25 | | | | | | | 7000 | | | |
| | 1 | | 20 | 1,310 | ı | 99 | 5 25% | 75% | | | | | TOOLS | | | |
| You | 1 | | 25 | 50,129 | | 5012 | | | | | 752% | | | | | |
| | | | 20,00 | 12,327 | 1 | 6163. | 5 | | | | | 100% | | | | 72% |
| Watervliet | Albany | NA. | 25 25 | 10.25.01 | - | 8423 | | | | | | | | 20% | 50% | |
| | | | 7 | 10,2341 | | 1025 | | | | | | 100% | | 200 | 200 | |
| | | | | | | | | | | | | | | _ | _ | |

| Г | | 7 | | ı | ı | ı | ı | 1 | ١ | 1 | 1% | 38 | 1% | 18 | * | ¥ | 75 | <u>الإ</u> | 18 | 18 | 1% | 1% | % | 38 | × | % | × | 1% | * | 8 | 1 81 | 1% | ı |
|-------------------|---|---|---|-------------|----------|---------|----------|-----------|----------|----------|--------|-------|---------------|---------|------------|----------------|-------|------------|--------|----------|---------------|--------|-------|----------|--------|------------|-----------|----------|------------|---------|-------------|------|---|
| | Route 9 and 20 via | Route 7 WB (NY) to I- | 787 SB | | | | | | | | 100; | 100: | 1001 | 100: | 1005 | 1001 | 100: | 1001 | 1001 | 1000 | 1000 | 1000 | 100; | 1005 | 1000 | 100; | 1005 | 1005 | 1000 | 1000 | 100% | 1001 | |
| ľ | | Γ | | | 20% | 20% | | | | | | | | | | | | | H | | | | | H | | | | | | | | | l |
| | Broadway v | | 1-87 SB to 1-90 EB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | d 20 vla | | | | 20% | 20% | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Route 9 an | | I-87 SB to I-787 SB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | and 20 via | I-84 EB to I-87 NB to | | | | | | | 100% | 100% | | | | | | | | | | | | | | | | | | | | | | | |
| | Route 9 : | 1-84 EB to | 1-781 NB | 8 | | | 3% | 3% | | | | | | | | | | | | _ | | | - | | | | | | | | | | _ |
| | Route 9 and 20 via Route 9 and 20 via Route 9 and 20 via Broadway via | | Han ca to programay 1-8/ NB to 1-787 NB | 100% | | | 100 | 100% | | | - | | | | | | | | | | | | | | | | | | | | | | |
| - | Route | | 42 1-87 NB | | 4 | - | | | - | | + | | $\frac{1}{1}$ | 1 | | 1 | + | 1 | - | 1 | | 1 | | + | 1 | + | | + | + | 1 | | | |
| | dway via | | to proad | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | via Bora | | - [| | | - | | - | | 1 | 1 | | | 1 | 1 | | | 1 | + | + | 1 | + | 1 | + | 1 | | | | 1 | | | | |
| | Route 9 and 20 via Boradway via | 00 COT 44 00 00 | 0 ED 10 1-7 07 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | 1 | 1 | 1 | | | | | + | + | + | + | + | + | | | | 1 | $\frac{1}{1}$ | 1 | + | + | 1 | | | | | 1 | - | | |
| | Thrid Street via | 1-90 WB to Third | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - | |
| Turnpike | - 1 | | | | | | | | | 1 | 1 | 1 | 1 | 1 | | T | 1 | | | | | | | | Ì | | İ | | T | | T | İ | |
| Columbia Turnpike | vla | I-90 WB to Rout 20 WB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Route 9 and 20 via | to 1-787 SB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Route 9 a | 1-90 WB | | | - | | | - | | - | | | | | | | | | | 1 | | | | | | | | | L | | | | |
| Columbia Turnpike | | Route 9 to Route 20 1-90 WB to 1-787 SB | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Colum | vla | Route | 361 | 678 | 1 2 | 1 2 | 247 | 110 | 230 | 88.5 | 887 | 262 | 4 | 364 | 15.5 | 539 | 227 | 11.5 | 357 | 2.5 | 4.5 | 795 | 1.5 | 412 | 108 | 478 | 450 | 8.5 | 938 | 4.5 | 212 | - | |
| | Factored Population | | 3 | - | S | ă | 6 | | 1 | 118 | , | | | | 215 | | F | 1 | | 2 | | | | | | | | 19 | | 38 | | | |
| | Factored | | 1 | 5 | 5 | 0.5 | 1 2 | 200 | | 157 | 15 | 5 | 0.5 | 5 | 5 | 5 | 1 | 2 | 5 | 5 | 5 | 157 | 5 | 2 | 5 | 2 | 5 | 157 | 57 | 5 | 0.5 | | |
| | Factor | | 19. | | | | 5.884 | ١ | | | | | İ | 728 0. | | | | | | l | 1 | | | 824 0. | l | | | 1,357 0. | | | 424 0. | L | |
| | opulation | | 3,3 | 3,356 | 16.173 | 1 | 2 | 22 | 1.5 | 2,317 | 15,7 | 1,124 | | | 4,391 | l ₂ | 3,5 | _ | | 4 | 109 | 3,5 | | " | 7 | 6 | 6 | 13 | 1,8 | 1 | 4 | | |
| | (miles) | | | | | | | | ľ | | - | | | | f | | | | | | | | | | | | | | | - | | | |
| - | (mlles) | | 22 | 20 | SS | S | 20 | 82 | 25 | S | S | ន | S | S | 20 | S | 25 | ន | 20 | 55 | S | ß | 20 | S | S | 20 | 25 | ß | ន | 22 | S | | |
| | State | | ķ | 4 | Ä | À. | ٨٨ | NY | → | П | П | Ŀ | Τ, | 7 | Ľ | 7 | T. | 7 | 7 | T. | ۲ | L | П | Т | П | Ŧ | L | L | F | П | E | | |
| | ¥1 | | | | | | | | | | | 1 | | ĺ | _ | | 1 | | _ | | | - | _ | 2 | _ | 2 | 2 | | 2 | , | | | |
| | County | - | Albany | Washington | Saratoga | Greene | Ulster | Otsego | Schohar | | | | | | | | - | | | | L | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | wn | | اه | reek | | Ē | ock S | ter | | TON | GTON | | NBURY | | ESTER | 280 | اپ | ORO | | 4TE | URG | BURY | ایر | 8 | N | TAND | BORO | GHAM | GTON | l E | ORD | | |
| | Clty/Town | | Westerlo | White Creek | Wilton | Windham | Woodst | Worcester | Wright | ARUNGTON | BENNIN | DOVER | GLASTE | HALLFAX | MANCHESTER | MARLBORO | POWNA | READSB | RUPERT | SANDGATE | SEARSB. | SHAFTS | SOMER | STAMFORD | STRATT | SUNDERLAND | WARDSBORO | WHITIN | WILMINGTON | WINHALL | WOODFORD | | |

29266.00 :: Rensselaer Casino

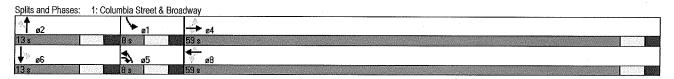
2014 Synchro Output - Weekday PM Build Condition

| | ۶ | → | 7 | € | ₩. | 4 | 4 | † | <i>></i> | 1 | ↓ | 4 | |
|-------------------------|-------|----------|-------|-------|----------|-------|-------|----------|---------------|-------|-------|--------|--|
| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | NBL | . NBT | NBR | SBL | SBT | SBR | |
| Lane Configurations | *1 | ተተ | 7 | J. | <u>†</u> | 7 | * | 1 | | ሻ | 1 |) | |
| Volume (vph) | 51 | 1458 | 40 | 4 | 805 | 67 | 65 | | | 97 | | | |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | |
| Storage Length (ft) | 100 | | 265 | 50 | | 50 | 50 | | 0 | 50 | | 0 | Silipada istina est neda ilitaria basa e istra |
| Storage Lanes | 1 | | 1 | 1 | | 1 | 1 | | 0 | 1 | | 0 | |
| Taper Length (ft) | 25 | | 25 | 25 | | 25 | 25 | | 25 | 25 | | 25 | |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes | |
| Link Speed (mph) | | 30 | | | 30 | | | 30 | | | 30 | | |
| Link Distance (ft) | | 434 | | | 379 | | | 328 | | | 596 | | |
| Travel Time (s) | | 9.9 | | | 8.6 | | | 7.5 | | | 13.5 | | |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | |
| Shared Lane Traffic (%) | | | | | | | | | | | | | |
| Lane Group Flow (vph) | 55 | 1585 | 43 | 4 | 875 | 73 | 71 | 28 | 0 | 105 | ' 20 | 0 | |
| Turn Type | Perm | | pm+ov | Perm | | Perm | pm+pt | | | pm+pt | | | An Albert As Parlie on the Children |
| Protected Phases | | 4 | 5 | | 8 | | 5 | 2 | | · 1 | 6 | | |
| Permitted Phases | 4 | | 4 | 8 | | 8 | 2 | | al per filter | 6 | | | 医克里氏试验检尿 医多种性病 医皮肤 |
| Detector Phase | 4 | 4 | 5 | 8 | 8 | 8 | 5 | 2 | | 1 | . 6 | | |
| Switch Phase | | | | | | | | | | | | | 我们就是我们的 医多种性 医多种性 |
| Minimum Initial (s) | 11.0 | 11.0 | 3.0 | 4.0 | 4.0 | 4.0 | 3.0 | 3.0 | | 3.0 | 3.0 | | |
| Minimum Split (s) | 21.0 | 21.0 | 8.0 | 21.0 | 21.0 | 21.0 | 8.0 | 8.0 | | 8.0 | 8.0 | | |
| Total Split (s) | 59.0 | 59.0 | 8.0 | 59.0 | 59.0 | 59.0 | 8.0 | 13.0 | 0.0 | 8.0 | 13.0 | 0.0 | |
| Total Split (%) | 73.8% | 73.8% | 10.0% | 73.8% | 73.8% | 73.8% | 10.0% | 16.3% | 0.0% | 10.0% | 16.3% | 0.0% | |
| Yellow Time (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 | | |
| All-Red Time (s) | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | | 2.0 | 2.0 | | |
| Lost Time Adjust (s) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Total Lost Time (s) | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 4.0 | 5.0 | 5.0 | 4.0 | and the second of the first of the first |
| Lead/Lag | | | Lag | | | | Lag | Lead | | Lag | Lead | | |
| Lead-Lag Optimize? | | | Yes | | | | Yes | Yes | | Yes | Yes | | |
| Recall Mode | None | None | None | None | None | None | None | Max | | None | Max | | |
| v/c Ratio | 0.16 | 0.72 | 0.04 | 0.04 | 0.40 | 0.07 | 0.27 | 0.12 | | 0.41 | 0.09 | | |
| Control Delay | 6.3 | 10.4 | 0.8 | 5.2 | 6.6 | 1.7 | 28.3 | 23.9 | | 31.4 | 25.7 | | |
| Queue Delay | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | 0.0 | 0.0 | 145745 | |
| Total Delay | 6.3 | 10.4 | 8.0 | 5.2 | 6.6 | 1.7 | 28.3 | 23.9 | | 31.4 | 25.7 | | |
| Queue Length 50th (ft) | 8 | 210 | 0 | 1 | 85 | 1 | 25 | 6 | | 37 | 5 | | |
| Queue Length 95th (ft) | 22 | 274 | 5 | 4 | 114 | 12 | 65 | 31 | | 89 | 26 | | |
| Internal Link Dist (ft) | | 354 | | | 299 | | | 248 | | | 516 | 1000 | |
| Turn Bay Length (ft) | 100 | | 265 | 50 | | 50 | 50 | | | 50 | | | |
| Base Capacity (vph) | 441 | 2836 | 1144 | 144 | 2836 | 1282 | 260 | 231 | | 259 | 229 | | |
| Starvation Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 | . 0 | 0 | | 0 | 0 | | • |
| Spillback Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | |
| Storage Cap Reductn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | | |
| Reduced v/c Ratio | 0.12 | 0.56 | 0.04 | 0.03 | 0.31 | 0.06 | 0.27 | 0.12 | | 0.41 | 0.09 | | |

Intersection Summary

Area Type: Other
Cycle Length: 80
Actuated Cycle Length: 66.6
Natural Cycle: 50

Control Type: Semi Act-Uncoord



1: Columbia Street & Broadway

| | → | → | ~ | • | - | • | 4 | † | · /* | <u> </u> | Ţ | 4 | |
|--|----------|----------|-------|-------------|------------|-------------|---------|--|-------------|----------|------|------------------|--|
| Movement | EBL | EBT | EBR | WBL | . WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR | |
| Lane Configurations | ሻ | ^ | | 7 | | 7 | ሻ | and the contract of the contra | 140/4 | ሻ | | DIANC MANAGEMENT | |
| Volume (vph) | 51 | 1458 | | | | 67 | 65 | | 12 | 97 | ាវ | | |
| Ideal Flow (vphpl) | 1900 | 1900 | | 1900 | | 1900 | 1900 | | 1900 | 1900 | 1900 | 1900 | |
| Total Lost time (s) | 5.0 | 5.0 | | 5.0 | | 5.0 | 5.0 | | 7000 | 5.0 | 5.0 | | |
| Lane Util. Factor | 1.00 | 0.95 | | 1.00 | | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | | |
| Frt 18 18 18 18 18 18 18 18 18 18 18 18 18 | 1.00 | 1.00 | | 1.00 | | 0.85 | 1.00 | | | 1.00 | 0.94 | | |
| Flt Protected | 0.95 | 1.00 | | 0.95 | | 1.00 | 0.95 | 1.00 | | 0.95 | 1.00 | | |
| Satd. Flow (prot) | 1770 | 3539 | | 1770 | | 1583 | 1770 | 1733 | | | 1751 | | |
| Fit Permitted | 0.29 | 1.00 | 1.00 | 0.10 | | 1.00 | 0.74 | 1.00 | | 0.74 | 1.00 | | |
| Satd. Flow (perm) | 549 | 3539 | 1583 | 179 | | 1583 | 1386 | 1733 | | 1377 | 1751 | | deside a la ferrar para la dedicada |
| Peak-hour factor, PHF | 0.92 | 0.92 | 0.92 | 0.92 | | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | THE STATE OF THE S |
| Adj. Flow (vph) | 55 | 1585 | 43 | 0.92 | | 73 | 71 | 15 | 13 | 105 | 12 | 0.92 | |
| RTOR Reduction (vph) | 0 | 1000 | 15 | 0 | | 25 | 0 | | 0 | | | 8 | |
| | 55 | 1585 | 28 | _ | | | - | 11 | | 0 | 7 | 0 | |
| Lane Group Flow (vph) | | 1000 | | 4 | 875 | 48 | 71 | 17 | 0 | 105 | 13 | 0 | A STOCK STATE OF A STATE OF STATE OF A STATE |
| Tum Type | Perm | | pm+ov | Perm | | Perm | pm+pt | | | pm+pt | | | |
| Protected Phases | | 4 | 5 | _ | 8 | 100 | 5 | 2 | | 1 | 6 | | |
| Permitted Phases | 4 | | 4 | 8 | | 8 | 2 | | | 6 | | | |
| Actuated Green, G (s) | 41.6 | 41.6 | 43.8 | 41.6 | 41.6 | 41.6 | 10.6 | 8.4 | | 10.6 | 8.4 | | |
| Effective Green, g (s) | 41.6 | 41.6 | 43.8 | 41.6 | 41.6 | 41.6 | 10.6 | 8.4 | | 10.6 | 8.4 | | |
| Actuated g/C Ratio | 0.62 | 0.62 | 0.65 | 0.62 | 0.62 | 0.62 | 0.16 | 0.12 | | 0.10 | 0.12 | | |
| Clearance Time (s) | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | | 5.0 | 5.0 | | |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 | | |
| Lane Grp Cap (vph) | 340 | 2191 | 1150 | 111 | 2191 | 980 | 231 | 217 | | 230 | 219 | | |
| //s Ratio Prot | | c0.45 | 0.00 | | 0.25 | | 0.01 | 0.01 | my been bee | c0.01 | 0.01 | | |
| r/s Ratio Perm | 0.10 | | 0.02 | 0.02 | | 0.03 | 0.04 | | | c0.06 | | | |
| //c Ratio | 0.16 | 0.72 | 0.02 | 0.04 | 0.40 | 0.05 | 0.31 | 0.08 | | 0.46 | 0.06 | | |
| Iniform Delay, d1 | 5.4 | 8.8 | 4.1 | 5.0 | 6.5 | 5.0 | 25.1 | 26.0 | | 25.8 | 25.9 | | |
| Progression Factor | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | 1.00 | | |
| ncremental Delay, d2 | 0.2 | 1.2 | 0.0 | 0.1 | 0.1 | 0.0 | 0.8 | 0.7 | | 1.4 | 0.5 | | |
| Delay (s) | 5.6 | 10.0 | 4.1 | 5.1 | 6.6 | 5.0 | 25.9 | 26.7 | | 27.2 | 26.4 | | |
| evel of Service | Α | В | Α | A | Α | Α | C | С | | С | С | | |
| Approach Delay (s) | | 9.7 | | | 6.5 | | | 26.1 | | | 27.1 | | |
| Approach LOS | | Α | | | Α | | | С | | | C | | |
| ntersection Summary | | | | | | | | | | | | | |
| ICM Average Control Delay | | | 10.0 | ŀ | ICM Level | of Service | 3 | | А | | | | |
| ICM Volume to Capacity ratio | | | 0.67 | . Section 1 | | 2. 00. 1100 | langer. | | | | | | |
| Actuated Cycle Length (s) | | | 67.2 | Ç | um of lost | time (e) | | | 15.0 | | | | |
| ntersection Capacity Utilization | | | 62.8% | | CU Level c | | | | 10.0 R | | | | |
| Analysis Period (min) | | | 15 | | JO LOTOI C | . 30, 100 | | | | | | | |
| Critical Lane Group | | | 13 | | | | | | | | | | |
| Oracar Lane Oroup | | | | | | | | | | | | | |

| | ٠ | - | * | • | 4 | • | . 4 | † | <i>></i> | 1 | | 4 | |
|---|-------------|----------|-------|-----------|------------|------------|-------|-----------|-------------|-----------|--------------|------------|--|
| Lane Group | EBL | EBT | EBR | WBL | WBT | WBR | . NBL | NBT | NBR | SBL | SBT | SBR | |
| Lane Configurations | | | | | 41> | 7 | | 4 | | | स | 7 | |
| Volume (vph) | 0 | 0 | 0 | 13 | 491 | 67 | | | | 449 | | | |
| Ideal Flow (vphpi) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | | 1900 | | | |
| Storage Length (ft) | 0 | | 0 | 0 | | 125 | 0 | | 0 | 0 | | 75 | |
| Storage Lanes | 0 | | 0 | 0 | | 1 | 0 | | 0 | 0 | | 1 | |
| Taper Length (ft) | 25 | | 25 | 25 | | 25 | 25 | | 25 | 25 | | 25 | province and problems of the ending of the control |
| Right Turn on Red | | | Yes | | | Yes | | | Yes | | | Yes | |
| Link Speed (mph) | | 30 | | | 30 | | | 30 | | | 30 | | |
| Link Distance (ft) | | 280 | | | 836 | | | 596 | | | 618 | | |
| Travel Time (s) | | 6.4 | | | 19.0 | | | 13.5 | | Jana Bara | 14.0 | | |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | |
| Shared Lane Traffic (%) | | | | | | | | | | | | | |
| Lane Group Flow (vph) | 0 | 0 | 0 | 0 | 548 | 73 | 0 | 172 | 0 | 0 | 618 | 621 | |
| Turn Type | | | | Perm | | Perm | Perm | | | Perm | | Perm | |
| Protected Phases | | | | | 8 | | | 2 | | | 6 | | |
| Permitted Phases | | | | 8 | | 8 | 2 | | | 6 | 6 | 6 | |
| Detector Phase | | | | 8 | 8 | . 8 | 2 | 2 | | 6 | 6 | 6 | |
| Switch Phase | | | | | | | | | | | | | |
| Minimum Initial (s) | | | | 4.0 | 4.0 | 4.0 | | 4.0 | | 4.0 | 4.0 | 4.0 | |
| Minimum Split (s) | | | | 21.0 | 21.0 | 21.0 | 16.0 | 16.0 | | 16.0 | 16.0 | 16.0 | and the first the seal substantial entire the substantial |
| Total Split (s) | 0.0 | 0.0 | 0.0 | 16.0 | 16.0 | 16.0 | 24.0 | 24.0 | 0.0 | 24.0 | 24.0 | 24.0 | |
| Total Split (%) | 0.0% | 0.0% | 0.0% | 40.0% | 40.0% | 40.0% | 60.0% | 60.0% | 0.0% | 60.0% | 60.0% | 60.0% | |
| Yellow Time (s) | | | | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | | 3.0 | 3.0 | 3.0 | |
| All-Red Time (s) | 100 | | | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 | | 2.0 | 2.0 | 2.0 | |
| Lost Time Adjust (s) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Total Lost Time (s) | 4.0 | 4.0 | 4.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 4.0 | 5.0 | 5.0 | 5.0 | |
| Lead/Lag | | | | | | | | | | | | | |
| Lead-Lag Optimize? | | | 77.00 | ********* | | 1.344.1 | | | | | | 1 13.4 4 5 | |
| Recall Mode | | | | None | None | None | Max | Max | | Max | Max | Max | |
| v/c Ratio | | | | | 0.60 | 0.16 | | 0.21 | | | 1.03 | 0.77 | |
| Control Delay | | | | | 15.8 | 4.9 | | 5.4 | | | 63.2 | 16.6 | |
| Queue Delay | | | | | 0.0 | 0.0 | | 0.0 | | | 0.0 | 0.0 | |
| Total Delay Queue Length 50th (ft) | | | | | 15.8 54 | 4.9 0 | | 5.4 14 | | | 63.2 | 16.6 | |
| | | | | | | - | | | | | ~163 | 87 | |
| Queue Length 95th (ft) Internal Link Dist (ft) | | 200 | | | 90 756 | 19 | | 37 516 | | returnes. | #307 | #247 | |
| Turn Bay Length (ft) | | 200 | | | 700 | 405 | | 510 | | | 538 | 70 | |
| Base Capacity (vph) | u saugsasa. | | | | 994 | 125 497 | | 817 | | | 598 | 75 811 | |
| Starvation Cap Reductn | | | | | | 497 | | | | | | | |
| Spillback Cap Reductin | | | | | 0 | ő | | 0 | | | 0 | 0 | |
| Storage Cap Reductin | | | | | 0 | 0 | | 0 | | | 0 | 0 | |
| Reduced v/c Ratio | | Sealand) | | | 0.55 | 0.15 | | 0.21 | | | 1.03 | 0.77 | reaction are relative to a constant |
| NOGGOOG WO NAME | | | | | 0.00 | 0.10 | | 0.21 | | | 1.03 | 0.77 | and the second of the second o |

Intersection Summary

Area Type: Other
Cycle Length: 40
Actuated Cycle Length: 39.2
Natural Cycle: 60

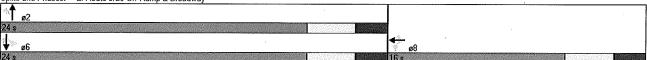
Control Type: Actuated-Uncoordinated

- Volume exceeds capacity, queue is theoretically infinite.

 Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.

 Queue shown is maximum after two cycles.

Splits and Phases: 2: Route 9/20 On-Ramp & Broadway



| | → | - | * | • | - | * | 4 | † | 1 | . 🖫 | ļ | 4 | |
|---|-----------|----------|-------|--------------------|-----------|------------|------------|----------|------|---|-----------|------|--|
| Movement | EBL | EBT | EBR | WBL | WBT | WBR | NBL | NBT | NBR | SBL | SBT | SBR | |
| Lane Configurations | | | | | 41 | 7 | | 4 | | | 4 | *ح | |
| Volume (vph) | 0 | 0 | 0 | 13 | 491 | 67 | 19 | 95 | 44 | 449 | 120 | 571 | |
| ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | |
| Total Lost time (s) | | | | | 5.0 | 5.0 | y Hymiddin | 5.0 | | | 5.0 | 5.0 | |
| Lane Util. Factor | | | | | 0.95 | 1.00 | | 1.00 | | | 1.00 | 1.00 | |
| Frt Maria Barrer | | | | | 1.00 | 0.85 | | 0.96 | | | 1.00 | 0.85 | |
| Flt Protected | | | | | 1.00 | 1.00 | | 0.99 | | | 0.96 | 1.00 | |
| Satd. Flow (prot) | | | | | 3535 | 1583 | | 1782 | | | 1792 | 1583 | |
| FIt Permitted | | | | | 1.00 | 1.00 | | 0.91 | | | 0.66 | 1.00 | |
| Satd. Flow (perm) | | | | | 3535 | 1583 | | 1633 | | | 1231 | 1583 | |
| Peak-hour factor, PHF | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | |
| Adj. Flow (vph) | 0 | 0 | 0 | 14 | 534 | 73 | 21 | 103 | 48 | 488 | 130 | 621 | |
| RTOR Reduction (vph) | 0 | 0 | 0 | 0 | 0 | 54 | 0 | 25 | 0 | 0 | 0 | 42 | |
| ane Group Flow (vph) | 0 | 0 | 0 | 0 | 548 | 19 | 0 | 147 | 0 | 0 | 618 | 579 | |
| Turn Type | | | | Perm | | Perm | Perm | | | Perm | | Perm | |
| Protected Phases | | | | | 8 | | | 2 | | | 6 | | |
| Permitted Phases | | | | . 8 | Ŭ | . 8 | 2 | | | 6 | 6 | 6 | |
| Actuated Green, G (s) | | | | and the second and | 10.1 | 10.1 | a estaçõe. | 19.0 | | es, estas | 19.0 | 19.0 | |
| Effective Green, g (s) | | | | | 10.1 | 10.1 | | 19.0 | | | 19.0 | 19.0 | |
| Actuated g/C Ratio | | | | | 0.26 | 0.26 | | 0.49 | | | 0.49 | 0.49 | |
| Clearance Time (s) | | | | | 5.0 | 5.0 | | 5.0 | | | 5.0 | 5.0 | |
| /ehicle Extension (s) | | | | | 3.0 | 3.0 | | 3.0 | | | 3.0 | 3.0 | |
| ane Grp Cap (vph) | | | | | 913 | 409 | | 794 | | - | 598 | 769 | |
| /s Ratio Prot | | | | | 310 | - 100 | | 134 | | | 000 | 103 | |
| /s Ratio Perm | | | | | 0.16 | 0.01 | | 0.09 | | | c0.50 | 0.37 | |
| /c Ratio | aguiteiri | | | | 0.60 | 0.05 | | 0.09 | | | 1.03 | 0.75 | |
| Iniform Delay, d1 | | | | | 12.7 | 10.9 | | 5.7 | | | 10.1 | 8.1 | |
| Progression Factor | | | | | 1.00 | 1.00 | | 1.00 | | | 1.00 | 1.00 | The following parameters of the fire |
| ncremental Delay, d2 | | | | | 1.1 | 0.0 | | 0.5 | | | 45.7 | 6.7 | |
| Pelay (s) | | | | | 13.8 | 10.9 | | 6.2 | | | 55.7 | 14.9 | |
| evel of Service | | | | | 10.0 B | 10.5 B | | Α | | | 55.7 E | В | |
| pproach Delay (s) | | 0.0 | | | 13.5 | 474 P. E. | | 6.2 | | | 35.3 | | |
| pproach LOS | | 0.0 A | | | 13.3 · | | | Α. | | | 33.3 D | | |
| | | /\ | | | b | | | Л | | 640000000000000000000000000000000000000 | U | | - |
| ntersection Summary CM Average Control Delay | | | 26.1 | ПС | Milovol | of Service | | | С | | | | |
| CM Volume to Capacity ratio | | | 0.88 | по | W LEVE! | OI SELVICE | De AMONT | | U | | | | |
| ctuated Cycle Length (s) | | | 39.1 | C | n of lost | timo (a) | | | 10.0 | | | | |
| | | | 70.5% | | | | | | 10.0 | | | | |
| Itersection Capacity Utilization | | | | ICU | revei o | f Service | | | C | | | | |
| nalysis Period (min) | | | 15 | | | | | | | | | | |

| <u></u> | • | 4 | 1 | + | 4 | |
|---|-------|------|----------|----------|------|--|
| Lane Group EBI | _ EBR | NBL | NBT | SBT | SBR | |
| Lane Configurations | | | ↑ | ↑ | | |
| Volume (vph) 61: | | | 180 | 761 | 0 | |
| Ideal Flow (vphpl) 1900 | | | 1900 | 1900 | 1900 | |
| Right Turn on Red | Yes | | | | Yes | |
| Link Speed (mph) 30 | | | 30 | 30 | | |
| Link Distance (ft) 569 | | | 618 | 247 | | |
| Travel Time (s) 12.9 | | | 14.0 | 5.6 | | |
| Peak Hour Factor 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | |
| Shared Lane Traffic (%) | | | | | | |
| Lane Group Flow (vph) 668 | 430 | 0 | 196 | 827 | 0 | |
| Turn Type | Perm | | | | | |
| Protected Phases 4 | | | 2 | 6 | | |
| Permitted Phases | 4 | | | | | • |
| Detector Phase 4 | 4 | | 2 | 6 | | |
| Switch Phase | | | | | | |
| Minimum Initial (s) 4.0 | 4.0 | | 4.0 | 4.0 | | |
| Minimum Split (s) 21.0 | 21.0 | | 21.0 | 21.0 | | |
| Total Split (s) 30.0 | 30.0 | 0.0 | 30.0 | 30.0 | 0.0 | |
| Total Split (%) 50.0% | 50.0% | 0.0% | 50.0% | 50.0% | 0.0% | |
| Yellow Time (s) 3.0 | | | 3.0 | 3.0 | | |
| All-Red Time (s) 2.0 | | 4.7 | 2.0 | 2.0 | | |
| Lost Time Adjust (s) 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | r Sandraf Sandra an Caillean Sandra an Caillean an Caillean an Caillean an Caillean an Caillean an Caillean Ai |
| Total Lost Time (s) 5.0 | | 4.0 | 5.0 | 5.0 | 4.0 | |
| Lead/Lag | | 1.0 | | | | |
| Lead-Lag Optimize? | | | | | | |
| Recall Mode None | None | | Max | Max | | |
| v/c Ratio 0.93 | | | 0.25 | 1.05 | | |
| Control Delay 39.3 | | | 12.4 | 66.3 | | |
| Queue Delay 0.0 | 0.0 | | 0.0 | 162.3 | | |
| Total Delay 39.3 | 15.9 | | 12.4 | 228.6 | | |
| Queue Length 50th (ft) 216 | 93 | | 44 | ~342 | | |
| Queue Length 95th (ft) #411 | 177 | | 83 | #534 | | |
| Internal Link Dist (ft) 489 | 111 | | 538 | 167 | | |
| Tum Bay Length (ft) | | | JJ0 | 107 | | |
| Base Capacity (vph) 751 | 716 | | 790 | 790 | | |
| Starvation Cap Reductn 0 | 7 10 | | 790 | 209 | | |
| otalianon capitoadani | 0 | | - | 209 | | |
| Spillback Cap Reductn 0 Storage Cap Reductn 0 | 0 | | 0 | 0 | | ang pang palawas kalawa katan kanala kanala na pang akan manala manala ana kalawa |
| ototago oup i touadatti | • | | | | | and the state of t |
| Reduced v/c Ratio 0.89 | 0.60 | | 0.25 | 1.42 | | |

Intersection Summary Area Type: Cycle Length: 60 Actuated Cycle Length: 59 Other

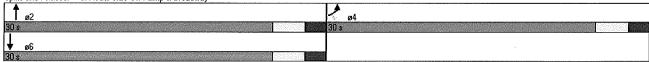
Natural Cycle: 80

- Control Type: Actuated-Uncoordinated

 Volume exceeds capacity, queue is theoretically infinite. Queue shown is maximum after two cycles.
- # 95th percentile volume exceeds capacity, queue may be longer.

 Queue shown is maximum after two cycles.

Splits and Phases: 3: Route 9/20 Off-Ramp & Broadway



| | ၨ | * | 4 | † | ↓ | 4 | |
|-------------------------------------|-------|------|---|----------|------------|--------------------------------|---|
| Movement | EBL | EBR | NBL | NBT | SBT | SBR | |
| Lane Configurations | ሻ | 7 | | † | ↑ | | |
| Volume (vph) | 615 | 396 | 0 | 180 | 761 | 0 | |
| Ideal Flow (vphpi) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | |
| Total Lost time (s) | 5.0 | 5.0 | | 5.0 | 5.0 | | |
| Lane Util. Factor | 1.00 | 1.00 | | 1.00 | 1.00 | | |
| Fri (vibia via Vibia e in 111 i sua | 1.00 | 0.85 | | 1.00 | 1.00 | | |
| Flt Protected | 0.95 | 1.00 | | 1.00 | 1.00 | | |
| Sald. Flow (prot) | 1770 | 1583 | | 1863 | 1863 | | |
| FIt Permitted | 0.95 | 1.00 | | 1.00 | 1.00 | | |
| Satd. Flow (perm) | 1770 | 1583 | | 1863 | 1863 | | |
| Peak-hour factor, PHF | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | |
| Adj. Flow (vph) | 668 | 430 | 0 | 196 | 827 | 0 | |
| RTOR Reduction (vph) | 0 | 46 | 0 | 0 | 0 | 0 | |
| Lane Group Flow (vph) | 668 | 384 | 0 | 196 | 827 | 0 | |
| Turn Type | | Perm | | | | | • |
| Protected Phases | 4 | | | 2 | 6 | | |
| Permitted Phases | • | 4 | | _ | · | | |
| Actuated Green, G (s) | 24.0 | 24.0 | | 25.0 | 25.0 | | |
| Effective Green, g (s) | 24.0 | 24.0 | | 25.0 | 25.0 | | |
| Actuated g/C Ratio | 0.41 | 0.41 | | 0.42 | 0.42 | age of the | |
| Clearance Time (s) | 5.0 | 5.0 | | 5.0 | 5.0 | | |
| Vehicle Extension (s) | 3.0 | 3.0 | | 3.0 | 3.0 | | |
| ane Grp Cap (vph) | 720 | 644 | | 789 | 789 | | |
| | c0.38 | 011 | | 0.11 | c0.44 | | |
| uls Ratio Perm | 00.00 | 0.24 | | 0.11 | 00.77 | | |
| //c Ratio | 0.93 | 0.60 | | 0.25 | 1.05 | | |
| Jniform Delay, d1 | 16.7 | 13.7 | | 10.9 | 17.0 | | |
| Progression Factor | 1.00 | 1.00 | | 1.00 | 1.00 | | Proceedings of the additional and the first the first the proceeding and the second of the second |
| ncremental Delay, d2 | 18.0 | 1.5 | | 0.8 | 45.4 | | |
| Delay (s) | 34.7 | 15.2 | | 11.7 | 62.4 | | the transfer of the control of the project in the control of the control of the control of the control of the c |
| evel of Service | C | B | | В. | E. | | |
| Approach Delay (s) | 27.1 | | | 11.7 | 62.4 | | |
| Approach LOS | C | | | B | E | | |
| | | | 118000000000000000000000000000000000000 | | - | up destabliques es establishes | |
| ntersection Summary | | | | | | _ | |
| ICM Average Control Delay | | | 39.4 | Н | CM Level | of Service | |
| ICM Volume to Capacity ratio | | | 0.99 | | | | |
| ctuated Cycle Length (s) | | | 59.0 | | um of lost | | 10.0 |
| ntersection Capacity Utilization | | | 82.5% | IC | U Level o | f Service | that and set of proving \$1.00 proprietion and property of the province of register at 12 february. |
| nalysis Period (min) | | | 15 | | | | |
| Critical Lane Group | | | | | | | |

| | * | • | † | 1 | \ | 1 |
|---------------------------------------|-----------|--------|-------------|-------|----------|----------|
| Lane Group | WBL | WBR | NBT | NBR | SBL | SBT |
| Lane Configurations | W | | 4 | | ሻ | ^ |
| Volume (vph) | 177 | 6 | 594 | 173 | 14 | 510 |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 |
| Right Turn on Red | An Visiya | Yes | ad (jil) | Yes | an Pilin | |
| Link Speed (mph) | 30 | . 30 | 30 | | | 30 |
| Link Distance (ft) | 624 | | 247 | | | 340 |
| Travel Time (s) | 14.2 | | 5.6 | | | 7.7 |
| Peak Hour Factor | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 |
| Shared Lane Traffic (%) | | | | | | |
| Lane Group Flow (vph) | 199 | 0 | 834 | 0 | 15 | 554 |
| Turn Type | | | | | Perm | |
| Protected Phases | 8 | | 2 | | | 6 |
| Permitted Phases | | | | | 6 | |
| Detector Phase | 8 | | 2 | | 6 | 6 |
| Switch Phase | _ | | _ | | - | - |
| Minimum Initial (s) | 4.0 | | 4.0 | | 4.0 | 4.0 |
| Minimum Split (s) | 21.0 | | 21.0 | | 21.0 | 21.0 |
| Total Split (s) | 23.0 | 0.0 | 37.0 | 0.0 | 37.0 | 37.0 |
| Total Split (%) | 38.3% | 0.0% | 61.7% | 0.0% | 61.7% | 61.7% |
| Yellow Time (s) | 3.0 | 0.07.0 | 3.0 | 0.070 | 3.0 | 3.0 |
| All-Red Time (s) | 2.0 | | 2.0 | | 2.0 | 2.0 |
| Lost Time Adjust (s) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Lost Time (s) | 5.0 | 4.0 | 5.0 | 4.0 | 5.0 | 5.0 |
| Lead/Lag | 5.0 | 7.0 | 3.0 | 7,0 | 0,0 | J.U |
| Lead-Lag Optimize? | | | | | | |
| Recall Mode | None | | C-Min | | C-Min | C-Min |
| v/c Ratio | 0.57 | | 0.72 | | 0.06 | 0.47 |
| Control Delay | 27.1 | | 13.1 | | 5.5 | 7.7 |
| Queue Delay | 0.0 | | 30.0 | | 0.0 | 0.2 |
| Total Delay | 27.1 | | 43.1 | | 5.5 | 7.9 |
| Queue Length 50th (ft) | 64 | | 161 | | 9.9 1 | 122 |
| Queue Length 95th (ft) | 109 | | #437 | | m9 | 207 |
| Internal Link Dist (ft) | 544 | | #437 167 | | me | 260 |
| Turn Bay Length (ft) | 044 | | 10/ | | | 200 |
| | 533 | | 1162 | | 265 | 1184 |
| Base Capacity (vph) | 533 | | 365 | | 265 0 | 1184 |
| Starvation Cap Reductn | 0 | | | | 0 | |
| Spillback Cap Reductn | 0 | | 0 | | 0 | 0 |
| Storage Cap Reductn Reduced v/c Ratio | 0.37 | | 1.05 | | 0.06 | 0.52 |
| veduced Mc vallo | 0.37 | | 1.05 | | 0.00 | U.5Z |

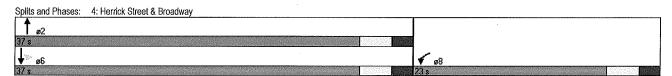
Intersection Summary
Area Type:

Cycle Length: 60
Actuated Cycle Length: 60
Offset: 0 (0%), Referenced to phase 2:NBT and 6:SBTL, Start of Green Natural Cycle: 60

Other

Control Type: Actuated-Coordinated

95th percentile volume exceeds capacity, queue may be longer.
 Queue shown is maximum after two cycles.
 M Volume for 95th percentile queue is metered by upstream signal.



| | √ | 4 | † | ~ | \ | | |
|------------------------------|----------|-------|----------|------|-----------|--------------|--|
| Movement | WBL | WBR | NBT | NBR | SBL | SBT | |
| Lane Configurations | W | | ^ | | الر | † | |
| Volume (vph) | 177 | 6 | 594 | 173 | 14 | 510 | |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | |
| Total Lost time (s) | 5.0 | | 5.0 | | 5.0 | 5.0 | ra es qua colo los delimetros del describir del regimento del colo del medion con los properes de la colo |
| Lane Util. Factor | 1.00 | | 1.00 | | 1.00 | 1.00 | |
| Frt | 1.00 | | 0.97 | | 1.00 | 1.00 | |
| Flt Protected | 0.95 | | 1.00 | | 0.95 | 1.00 | |
| Satd. Flow (prot) | 1769 | | 1806 | | 1770 | 1863 | |
| Flt Permitted | 0.95 | | 1.00 | | 0.22 | 1.00 | |
| Satd. Flow (perm) | 1769 | | 1806 | | 416 | 1863 | 4000 managagagagan 1960 meleberah 1960 menangangan 1960 meleberah 1960 meleberah 1960 meleberah 1960 meleberah |
| Peak-hour factor, PHF | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | |
| Adj. Flow (vph) | 192 | 7 | 646 | 188 | 15 | 554 | |
| RTOR Reduction (vph) | 2 | 0 | 14 | 0 | 0 | 0 | |
| Lane Group Flow (vph) | 197 | 0 | 820 | 0 | 15 | 554 | |
| Tum Type | | | | | Perm | | |
| Protected Phases | 8 | | 2 | | | 6 | er er eg eggerg stadts fram gittet sitte er er att attreg tilggiftette samtig a ettig tilejsamte er |
| Permitted Phases | • | | 15 | | 6 | ŭ | |
| Actuated Green, G (s) | 11.9 | 3.350 | 38.1 | | 38.1 | 38.1 | |
| Effective Green, g (s) | 11.9 | | 38.1 | | 38.1 | 38.1 | |
| Actuated g/C Ratio | 0.20 | | 0.64 | | 0.64 | 0.64 | er remembeliet for de skip skip om de prikt fra flagt frammen, av pagfar til flyger av av endtre skip er |
| Clearance Time (s) | 5.0 | | 5.0 | | 5.0 | 5.0 | |
| Vehicle Extension (s) | 3.0 | | 3,0 | | 3.0 | 3.0 | તું અને ભારત કરી કરો છે. જે તેના માટે જે અને અને સાથે જે અને માટે છે. જો માટે કરો છે છે છે છે છે છે છે છે છે છ |
| Lane Grp Cap (vph) | 351 | | 1147 | | 264 | 1183 | |
| v/s Ratio Prot | c0.11 | | c0.45 | | | 0.30 | |
| v/s Ratio Perm | | | | | 0.04 | | |
| v/c Ratio | 0.56 | | 0.72 | | 0.06 | 0.47 | |
| Uniform Delay, d1 | 21.7 | | 7.3 | | 4.1 | 5.7 | |
| Progression Factor | 1.00 | | 1.00 | | 0.89 | 0.95 | |
| ncremental Delay, d2 | 2.0 | | 3.8 | | 0.4 | 1.3 | |
| Delay (s) | 23.7 | | 11.2 | | 4.1 | 6.7 | |
| evel of Service | . С | | В | | Α | Α | |
| Approach Delay (s) | 23.7 | | 11.2 | | | 6.6 | |
| Approach LOS | C | | В | | | Α | |
| ntersection Summary | | | | | | | |
| ICM Average Control Delay | 1 | | 11.1 | нс | M Level | of Service | В |
| ICM Volume to Capacity ra | | | 0.68 | | | 2, 55, 1,00 | |
| Actuated Cycle Length (s) | | | 60.0 | Su | m of lost | time (s) | 10.0 |
| ntersection Capacity Utiliza | tion | | 60.3% | | | f Service | |
| Analysis Period (min) | | | 15 | 100 | 0,0,0 | . 5011100 | |
| : Critical Lane Group | | | | | | | |
| C Sur Lario Group | | | | | | | |

| | ۶ | 7 | 4 | † | Ţ | 4 | |
|--|----------------|--------|---------|----------|----------|----------|--|
| Lane Group E | BL, | EBR | NBL | NBT | SBT | SBR | |
| Lane Configurations | ሻ | ۴ | ۲ | † | ↑ | 7 | |
| Volume (vph) | 75 | 300 | 325 | 268 | 184 | 80 | |
| Ideal Flow (vphpl) 19 | 900 | 1900 | 1900 | 1900 | 1900 | 1900 | |
| Right Turn on Red | | Yes | | | | Yes | |
| Link Speed (mph) | 30 | | | 30 | 30 | | |
| Link Distance (ft) | 389 | | | 92 | 603 | | |
| Travel Time (s) | 8.8 | | | 2.1 | 13.7 | | |
| Peak Hour Factor 0 | .92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | |
| Shared Lane Traffic (%) | | | | | | | |
| Lane Group Flow (vph) | 82 | 326 | 353 | 291 | 200 | 87 | |
| Turn Type | | custom | Prot | | | Perm | |
| Protected Phases | 8 | 8 | 5 | 2 | 6 | 24/34/23 | |
| Permitted Phases | | 5 | | | | 6 | |
| Detector Phase | 8 | 8 | 5 | 2 | 6 | 6 | |
| Switch Phase . | | | | | | | |
| Minimum Initial (s) | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | |
| | B.0 | 8.0 | 8.0 | 8.0 | 8.0 | 8.0 | |
| | 1.0 | 21.0 | 12.0 | 39.0 | 27.0 | 27.0 | |
| Total Split (%) 35.0 | 1% | 35.0% | 20.0% | 65.0% | 45.0% | 45.0% | |
| | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | 3.5 | |
| |).5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | |
| | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 1.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | |
| Lead/Lag | 7.0 | 7.0 | Lead | 7.0 | Lag | Lag | |
| _ead-Lag Optimize? | | | Yes | | Yes | Yes | |
| Recall Mode No | nΔ | None | Max | C-Max | C-Max | C-Max | |
| | 34 | 0.35 | 0.71 | 0.21 | 0.28 | 0.13 | |
| 1 - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 3.7 | 2.4 | 23.4 | 4.7 | 14.1 | 4.0 | |
| |).0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| | 3.7 | 2.4 | 23.4 | 4.7 | 14.1 | 4.0 | and the first of t |
| | 27 | 2.4 | 114 | 66 | 48 | 0 | |
| | 59 | 34 | m#215 | m55 | 90 | 23 | |
| | 09 | 34 | 111#210 | 12 | 523 | 23 | |
| | υ υ | | | 12 | 020 | | |
| um Bay Length (ft) | 02 | 934 | 497 | 1361 | 714 | 660 | |
| |)2 () | 934 | 497 | 1301 | 7 14 | 000 | and the content of th |
| Starvation Cap Reductn | 0 | • | - | .0 | - | 0 | e on the state of the state of the second section of the second section of the section of the second section of |
| Spillback Cap Reductn | 0 | 0 | | U | 0 | 0 | |
| Storage Cap Reductn Reduced v/c Ratio 0. | 16 | 0.35 | 0.71 | 0.21 | 0.28 | 0.13 | |
| Reduced v/c Ratio 0.1 | 10 | 0.35 | 0.71 | 0.21 | 0.28 | 0.13 | |

Intersection Summary

Area Type: Other

Cycle Length: 60 Actuated Cycle Length: 60

Offset: 39 (65%), Referenced to phase 2:NBT and 6:SBT, Start of Green Natural Cycle: 40

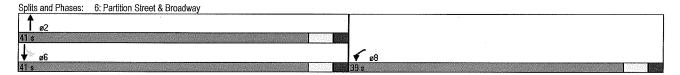
Control Type: Actuated-Coordinated

95th percentile volume exceeds capacity, queue may be longer.
Queue shown is maximum after two cycles.
m Volume for 95th percentile queue is metered by upstream signal.



| | → | * | 4 | † | 1 | 4 | |
|----------------------------------|----------|--------|-------|----------|------------|------------|---|
| Movement | EBL | EBR | NBL | NBT | SBT | SBR | |
| Lane Configurations | ሻ | 7 | ሻ | ↑ | † | 7 | |
| Volume (vph) | 75 | 300 | 325 | 268 | | 80 | |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | 1900 | 1900 | 1900 | |
| Total Lost time (s) | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | |
| Lane Util. Factor | 1.00 | 1.00 | 1.00 | 1.00 | | 1.00 | |
| Frt delication in the | 1.00 | 0.85 | 1.00 | 1.00 | | 0.85 | |
| Flt Protected | 0.95 | 1.00 | 0.95 | 1.00 | 1.00 | 1.00 | |
| Satd. Flow (prot) | 1770 | 1583 | 1770 | 1863 | | 1583 | |
| Flt Permitted | 0.95 | 1.00 | 0.95 | 1.00 | | 1.00 | |
| Satd. Flow (perm) | 1770 | 1583 | 1770 | 1863 | | 1583 | |
| Peak-hour factor, PHF | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | |
| Adj. Flow (vph) | 82 | 326 | 353 | 291 | 200 | 87 | |
| RTOR Reduction (vph) | 0 | 190 | 0 | 0 | 0 | 54 | |
| Lane Group Flow (vph) | 82 | 136 | 353 | 291 | 200 | 33 | |
| Turn Type | | custom | Prot | | | Perm | |
| Protected Phases | 8 | 8 | 5 | 2 | 6 | | |
| Permitted Phases | | 5 | | | | 6 | |
| Actuated Green, G (s) | 8.2 | 25.0 | 16.8 | 43.8 | 23.0 | 23.0 | and productive programmer production of the advantage of programmer and the |
| Effective Green, g (s) | 8.2 | 25.0 | 16.8 | 43.8 | 23.0 | 23.0 | |
| Actuated g/C Ratio | 0.14 | 0.42 | 0.28 | 0.73 | 0.38 | 0.38 | |
| Clearance Time (s) | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | 4.0 | |
| Vehicle Extension (s) | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 | |
| Lane Grp Cap (vph) | 242 | 765 | 496 | 1360 | 714 | 607 | |
| v/s Ratio Prot | c0.05 | 0.02 | c0.20 | 0.16 | c0.11 | | |
| v/s Ratio Perm | | 0.06 | | | | 0.02 | |
| v/c Ratio | 0.34 | 0.18 | 0.71 | 0.21 | 0.28 | 0.05 | |
| Uniform Delay, d1 | 23.4 | 11.0 | 19.4 | 2.6 | 12.8 | 11.7 | |
| Progression Factor | 1.00 | 1.00 | 0.71 | 1.50 | 1.00 | 1.00 | |
| Incremental Delay, d2 | 0.8 | 0.1 | 5.9 | 0.2 | 1.0 | 0.2 | |
| Delay (s) | 24.3 | 11.1 | 19.7 | 4.1 | 13.8 | 11.8 | and the state of the control of the control of the control of the state of the state of the state of the state The state of the state o |
| Level of Service | C | В | В | A | В | В | |
| Approach Delay (s) | 13.8 | | | 12.7 | 13.2 | | |
| Approach LOS | В | | | В | . В | | |
| Intersection Summary | | | | | | | |
| HCM Average Control Delay | | | 13.1 | H | ICM Level | of Service | B B |
| HCM Volume to Capacity ratio | | | 0.44 | | | | |
| Actuated Cycle Length (s) | | | 60.0 | S | um of lost | time (s) | 12.0 |
| Intersection Capacity Utilizatio | n | | 41.8% | 10 | CU Level o | f Service | \mathbb{R}^{2d} is the state of the \mathbf{A}^{d} and \mathbf{A}^{d} are the state of the \mathbf{A}^{d} and \mathbf{A}^{d} and \mathbf{A}^{d} |
| Analysis Period (min) | | | 15 | | | | |
| c Critical Lane Group | | | | | | | |

| • | | * | † | 1 | / | ↓ | |
|--------------------------------------|------------|----------|------------|------------|----------------|----------|--|
| Lane Group W | BL | WBR | NBT | NBR | SBL | SBT | |
| | ነተ | | ĵ. | | | र्स | |
| | 72 | 42 | 245 | 98 | 29 | 164 | |
| | 900 | 1900 | 1900 | 1900 | 1900 | 1900 | |
| Right Turn on Red | | Yes | va idija | | | | |
| | 30 | | 30 | | | 30 | |
| | 53 | | 603 | | | 400 | |
| . , , | 4.8 | | 13.7 | | | 9.1 | |
| | 92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | |
| Shared Lane Traffic (%) | | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | |
| | 24 | n | 373 | 0 | 0.0 | 210 | |
| um Type | 47 | v | 010 | U | Perm | 210 | |
| rotected Phases | 8 | | 2 | | 1 61111 | 6 | |
| ermitted Phases | U | | 2. | | 6 | U | |
| Detector Phase | Ω | | | | 6 | 6 | |
| Switch Phase | Ů | | 2 | | | . 0 | |
| | 1.0 | | 4.0 | | 4.0 | 4.0 | |
| | 1.0 | | 21.0 | | 21.0 | 21.0 | |
| otal Split (s) 39 | | 0.0 | 41.0 | 0.0 | 41.0 | 41.0 | |
| otal Split (%) 48.8 | | 0.0% | 51.3% | 0.0% | 51.3% | 51.3% | |
| | 3.0 | 0.076 | 3.0 | 0.0% | 3.0 | 3.0 | |
| | | | | | | | |
| | 2.0).0 | 0.0 | 2.0 0.0 | 0.0 | 2.0 0.0 | 2.0 | |
| , , , | i.0 | 4.0 | 5.0 | 4.0 | 5.0 | 5.0 | |
| | 1.0 | 4.0 | 5.0 | 4.0 | 5.0 | 5.0 | |
| ead/Lag ead-Lag Optimize? | | | | | | | |
| | | | OH | | 00 UI- | O Min | |
| | | | C-Min | | C-Min | C-Min | |
| c Ratio 0.5 | | | 0.26 | | | 0.15 | |
| ontrol Delay 28 | | | 3.4 | | | 3.3 | |
| | .0 | | 0.0 | | | 0.0 | |
| otal Delay 28 | | | 3.4 | | | 3.3 | |
| | 37 | | 38 | | | 22 | |
| | 32 | | 84 | | | 51 | |
| ternal Link Dist (ft) 57 | /3 | | 523 | | | 320 | Tarang salah kerangan bermang salah bermanyan bermanya kerang bermanan kerang salah bermanan bermanan bermanan |
| um Bay Length (ft) | | | | | | | |
| ase Capacity (vph) 75 | | | 1434 | | | 1368 | and the state of the control of the control of the control of the control of the control of the control of the |
| in renen cap riouden | 0 | | 0 | | | 0 | |
| oillback Cap Reductn | Ď. | | 0 | | | 0 | |
| anage cap madadin | 0 | | 0 | | | 0 | |
| educed v/c Ratio 0.1 | б | | 0.26 | | | 0.15 | • |
| tersection Summary | | | | | | | |
| rea Type: Other | | | | | | | |
| ycle Length: 80 | | | | | | | |
| ctuated Cycle Length: 80 | | | | | | | |
| ffset: 0 (0%), Referenced to phase 2 | :NBT | and 6:S | BTL, Sta | rt of Gree | n distribution | | |
| atural Cycle: 45 | | | | | | | |
| ontrol Type: Actuated-Coordinated | | STATE OF | | | | | |
| | | | | | | | |



| | < | 4 | † | <i>></i> | - | ↓ | |
|-------------------------------|-------|-----------|----------|--|------------|------------|--|
| Movement | WBL | WBR | NBT | NBR | SBL | SBT | |
| Lane Configurations | Y | | î. | | | 4 | |
| Volume (vph) | 72 | 42 | 245 | | 29 | 164 | |
| Ideal Flow (vphpl) | 1900 | 1900 | 1900 | | 1900 | 1900 | • |
| Total Lost time (s) | 5.0 | | 5.0 | | | 5.0 | |
| Lane Util. Factor | 1.00 | | 1.00 | | | 1.00 | |
| Frt | 0.95 | | 0.96 | | | 1.00 | |
| Flt Protected | 0.97 | | 1.00 | | | 0.99 | |
| Satd. Flow (prot) | 1716 | | 1791 | | | 1849 | |
| FIt Permitted | 0.97 | | 1.00 | | | 0.92 | |
| Satd. Flow (perm) | 1716 | 30 555405 | 1791 | HALL KARA | | 1716 | |
| Peak-hour factor, PHF | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | 0.92 | |
| Adj. Flow (vph) | 78 | 46 | 266 | 107 | 32 | 178 | |
| RTOR Reduction (vph) | 41 | 0 | 8 | 0 | 0 | . 0 | |
| Lane Group Flow (vph) | 83 | 0 | 365 | 0 | 0 | 210 | ing dia ny faritr'i mandritry ny firantan'i Natana ao amin'ny faritr'i Nord-Aranderica. |
| Tum Type | | | | | Perm | | |
| Protected Phases | 8 | | 2 | | | 6 | |
| Permitted Phases | | * | | | 6 | | |
| Actuated Green, G (s) | 8.2 | | 61.8 | | | 61.8 | |
| Effective Green, g (s) | 8.2 | | 61.8 | | | 61.8 | |
| Actuated g/C Ratio | 0.10 | | 0.77 | | | 0.77 | |
| Clearance Time (s) | 5.0 | | 5.0 | | | 5.0 | |
| /ehicle Extension (s) | 3.0 | 45.44 | 3.0 | e se se se se se se se se se se se se se | A Property | 3.0 | |
| _ane Grp Cap (vph) | 176 | | 1384 | | | 1326 | |
| /s Ratio Prot | c0.05 | • | c0.20 | | | | |
| /s Ratio Perm | | | | | | 0.12 | |
| /c Ratio | 0.47 | | 0.26 | | | 0.16 | |
| Jniform Delay, d1 | 33.9 | | 2.6 | | | 2.4 | |
| Progression Factor | 1.00 | | 1.00 | | | 1.00 | |
| ncremental Delay, d2 | 2.0 | | 0.5 | | | 0.3 | |
| Delay (s) | 35.8 | | 3.1 | | | 2.6 | e l'infrite data et le trabification et déclaration de la company de la company de la company de la company de |
| evel of Service | D | | A | | | Α | |
| pproach Delay (s) | 35.8 | | 3.1 | | | 2.6 | |
| pproach LOS | D | | Α | | | Α | |
| ntersection Summary | | | | | | | |
| ICM Average Control Delay | 1 | | 8.7 | HC | M Level | of Service | A |
| ICM Volume to Capacity ra | | | 0.29 | 44.54 | | | લા પ્રાથમિક કરવા કુલિયા મુક્ત કુલિયા છે. તેમને તેમને તેમને પ્રાપ્ય કરે તેમને જે તો કરતો છે. પ્રાપ્યુપિક કુનિયા પ્રાપ્ય |
| ctuated Cycle Length (s) | | | 80.0 | Su | m of lost | time (s) | 10.0 |
| ntersection Capacity Utilizal | ion | | 48.2% | | J Level of | | alitaria de la compania de la compania de la compania de la compania de la compania de la compania de la compa |
| nalysis Period (min) | | | 15 | ,,, | | | |
| Critical Lane Group | | | | | | | entral control of the |

2014 Traffic Counts (weekday evening)

Tri-State Traffic Data, Inc. 610 466-1469

TSTData.com

Location: Rensselaer, New York Intersection: Braodway @ 9&20 Date Thursday, June 12, 2014

Counter: MioVision

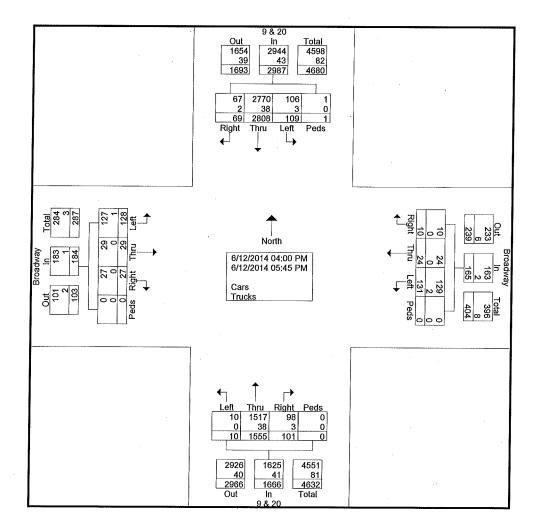
File Name: Broadway 1 Weekday Final

Site Code : 0001

Start Date : 6/12/2014

Page No : 1

| | | | | | | | | Gı | roups F | Printed- | Cars - | Trucks | 3 | | | | | | | | |
|-------------|-------|------|--------|------|------------|-------|------|---------|---------|------------|--------|--------|--------|------|------------|-------|------|--------|------|------------|---------|
| | | | 9 & 2 | 0 | | | E | Broadw | /ay | | | | 9 & 20 |) | | | Е | Broadw | av | |] |
| | | S | outhbo | und | | | , V | lestbou | und | | | No | orthbo | und | | | E | astbou | ınd | | |
| Start Time | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | int. To |
| 04:00 PM | 12 | 337 | 14 | 0 | 363 | 1 | 3 | 20 | 0 | 24 | 16 | 189 | 1 | 0 | 206 | 2 | 0 | 11 | 0 | 13 | 60 |
| 04:15 PM | 7 | 386 | 11 | 0 | 404 | 2 | 3 | 17 | 0 | 22 | 16 | 204 | 1 | 0 | 221 | 1 | 7 | 17 | ō | 25 | 67 |
| 04:30 PM | 6 | 366 | 16 | 0 | 388 | 2 | 4 | 19 | 0 | 25 | 11 | 217 | Ó | Ō | 228 | 6 | 4 | 21 | Õ | 31 | 67 |
| 04:45 PM | 15 | 369 | 10 | 0 | 394 | 2 | 1 | 21 | 0 | 24 | 4 | 195 | 2 | Ō | 201 | 3 | 3 | 16 | Ö | 22 | 64 |
| Total | 40 | 1458 | 51 | 0 | 1549 | 7 | 11 | 77 | 0 | 95 | 47 | 805 | 4 | 0 | 856 | 12 | 14 | 65 | 0 | 91 | 259 |
| | | | | | | | | | | | | | | | | | | | | | |
| 05:00 PM | 12 | 413 | 17 | 0 | 442 | 1 | 5 | 19 | 0 | 25 | 17 | 204 | 0 | 0 | 221 | 3 | 7 | 19 | 0 | 29 | 7′ |
| 05:15 PM | 4 | 398 | 18 | 1 | 421 | 1 | 1 | 10 | 0 | 12 | 18 | 190 | 4 | 0 | 212 | 3 | 2 | 19 | 0 | 24 | 66 |
| 05:30 PM | 6 | 286 | 13 | 0 | 305 | 1 | 3 | 9 | . 0 | 13 | 8 | 181 | 2 | 0 | 191 | 4 | 3 | 14 | 0 | 21 | 53 |
| 05:45 PM | 7 | _253 | 10 | 0 | 270 | 0 | 4 | 16 | 0 | 20 | 11 | 175 | 0 | 0 | 186 | 5 | 3 | 11 | 0 | 19 | 49 |
| Total | 29 | 1350 | 58 | 1 | 1438 | 3 | 13 | 54 | 0 | 70 | 54 | 750 | 6 | 0 | 810 | 15 | 15 | 63 | 0 | 93 | 241 |
| Grand Total | 69 | 2808 | 109 | 1 | 2987 | 10 | 24 | 131 | 0 | 165 | 101 | 1555 | 10 | 0 | 1666 | 27 | 29 | 400 | 0 | 404 | 500 |
| Approh % | 2.3 | 94 | 3.6 | Ó | 2907 | 6.1 | 14.5 | 79.4 | 0 | 105 | 6.1 | | | _ | 1000 | | | 128 | 0 | 184 | 500 |
| Total % | 1.4 | 56.1 | 2.2 | 0 | 59.7 | 0.1 | 0.5 | 2.6 | 0 | 2.0 | 0.1 | 93.3 | 0.6 | 0 | 00.0 | 14.7 | 15.8 | 69.6 | 0 | | |
| Cars | 67 | 2770 | 106 | 1 | 2944 | 10 | 24 | 129 | 0 | 3.3 | 98 | 31.1 | 0.2 | 0 | 33.3 | 0.5 | 0.6 | 2.6 | 0_ | 3.7 | 404 |
| % Cars | 97.1 | 98.6 | 97.2 | 100 | 98.6 | 100 | 100 | | | 163 | | 1517 | 10 | 0 | 1625 | 27 | 29 | 127 | 0 | 183 | 491 |
| Trucks | 2 | 38 | 37.2 | 0 | 43 | 100 | 100 | 98.5 | 0 | 98.8 | 97 | 97.6 | 100 | 0 | 97.5 | 100 | 100 | 99.2 | 0 | 99.5 | 98. |
| % Trucks | 2.9 | 1.4 | 2.8 | - | | 0 | U | 2 | 0 | 2 | 3 | 38 | 0 | 0 | 41 | 0 | 0 | 1 | 0 | 1 | 8 |
| 70 TIUCKS | 2.9 | 1.4 | 2.0 | 0 | 1.4 | 0 | 0 | 1.5 | 0 | 1.2 | 3 | 2.4 | 0. | 0 | 2.5 | 0 | 0 | 0.8 | 0 | 0.5 | 1. |



Tri-State Traffic Data, Inc.

610 466-1469 TSTData.com

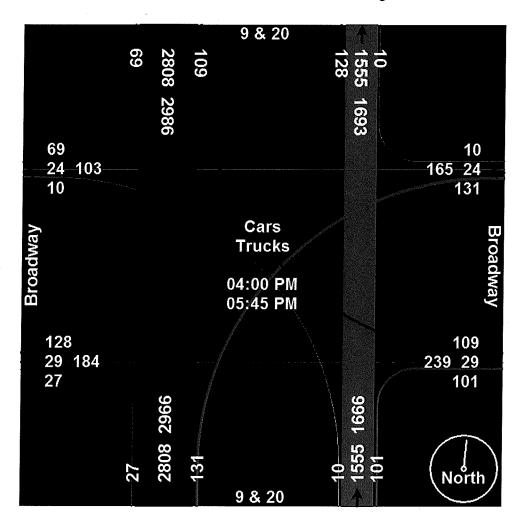
Location: Rensselaer, New York Intersection: Braodway @ 9&20 Date Thursday, June 12, 2014

Counter: MioVision

File Name: Broadway 1 Weekday Final

Site Code : 0001 Start Date : 6/12/2014

Page No : 2



Tri-State Traffic Data, Inc. 610 466-1469

TSTData.com

Location: Rensselaer, New York Intersection: Braodway @ 9&20 Date Thursday, June 12, 2014

Counter: MioVision

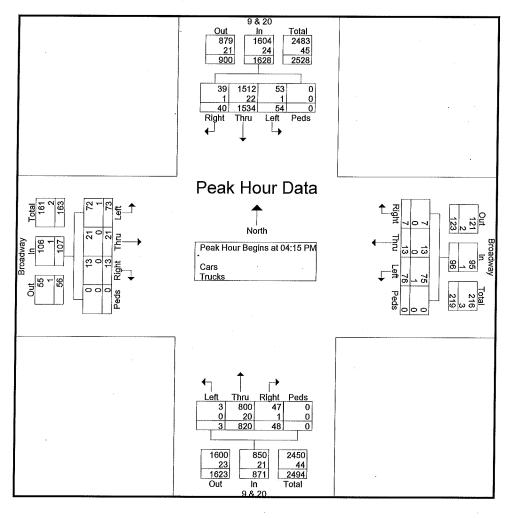
File Name: Broadway 1 Weekday Final

Site Code: 0001

Start Date : 6/12/2014

Page No : 3

| | | So | 9 & 20 outhbo | • | | | | Broadw estbol | | | | N | 9 & 2 | - | | | | Broadw astbou | - | | |
|---------------|----------|--------|------------------|---------|------------|----------|----------|------------------|------|------------|-------|------|-------|------|------------|-------|------|------------------|------|------------|------------|
| Start Time | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | | Left | Peds | App. Total | Int. Total |
| Peak Hour Ar | nalysis | From (| 04:00 F | PM to 0 | 5:45 PM | 1 - Peal | k 1 of 1 | | | | | | | | | | | | | | |
| Peak Hour for | r Entire | Inters | ection | Begins | at 04:1 | 5 PM | | | | | | | | | | | | | | | |
| 04:15 PM | 7 | 386 | 11 | 0 | 404 | 2 | 3 | 17 | 0 | 22 | 16 | 204 | 1 | 0 | 221 | 1 | 7 | 17 | 0 | 25 | 672 |
| 04:30 PM | 6 | 366 | 16 | 0 | 388 | 2 | 4 | 19 | 0 | 25 | 11 | 217 | 0 | 0 | 228 | 6 | 4 | 21 | 0 | 31 | 672 |
| 04:45 PM | 15 | 369 | 10 | 0 | 394 | 2 | 1 | 21 | 0 | 24 | 4 | 195 | 2 | 0 | 201 | 3 | 3 | 16 | 0 | 22 | 641 |
| 05:00 PM | 12 | 413 | 17 | 0 | 442 | 1 | 5 | 19 | 0 | 25 | 17 | 204 | 0 | 0 | 221 | 3 | 7 | 19 | 0 | 29 | 717 |
| Total Volume | 40 | 1534 | 54 | 0 | 1628 | 7 | 13 | 76 | 0 | 96 | 48 | 820 | 3 | 0 | 871 | 13 | 21 | 73 | 0 | 107 | 2702 |
| % App. Total | 2.5 | 94.2 | 3.3 | 0 | | 7.3 | 13.5 | 79.2 | 0 | | 5.5 | 94.1 | 0.3 | 0 | | 12.1 | 19.6 | 68.2 | 0 | | |
| PHF | .667 | .929 | .794 | .000 | .921 | .875 | .650 | .905 | .000 | .960 | .706 | .945 | .375 | .000 | .955 | .542 | .750 | .869 | .000 | .863 | .942 |
| Cars | 39 | 1512 | | | | | | | | | | | | | | | | | | | |
| % Cars | 97.5 | 98.6 | 98.1 | 0 | 98.5 | 100 | 100 | 98.7 | 0 | 99.0 | 97.9 | 97.6 | 100 | 0 | 97.6 | 100 | 100 | 98.6 | O. | 99.1 | 98.3 |
| Trucks | 1 | 22 | 1 | 0 | 24 | 0 | 0 | 1 | 0 | 1 | 1 | 20 | 0 | 0 | 21 | 0 | 0 | 1 | 0 | 1 | 47 |
| % Trucks | 2.5 | 1.4 | 1.9 | 0 | 1.5 | 0 | 0 | 1.3 | 0 | 1.0 | 2.1 | 2.4 | 0 | 0 | 2.4 | 0 | 0 | 1.4 | 0 | 0.9 | 1.7 |



Tri-State Traffic Data, Inc. 610 466-1469

TSTData.com

Location: Rensselaer, New York

Intersection: Broadway @ 3rd Avenue Date: Thursday, June 12, 2014 Counter: MioVision

File Name: Broadway 2 Weekday

Site Code : 0002

Start Date : 6/12/2014

Page No : 1

Groups Printed- Cars - Trucks

| | | | | Broadwa outhbou | • | | | | rd Aven lestbour | ue | | | | | | | |
|---|-------------|-------|------|--------------------|------|------------|-------|------|---------------------|------|------------|-------|------|------|------|------------|------------|
| | Start Time | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Int. Total |
| | 04:00 PM | 132 | 26 | 60 | 0 | 218 | 13 | 146 | 2 | 0 | 161 | 10 | 13 | 10 | 0 | 33 | 412 |
| | 04:15 PM | 63 | 25 | 96 | 0 | 184 | 14 | 109 | 4 | 0 | 127 | 5 | 23 | 4 | 0 | 32 | 343 |
| | 04:30 PM | 88 | 25 | 113 | 0 | 226 | 9 | 133 | 5 | 0 | 147 | 15 | 21 | 5 | 0 | 41 | 414 |
| | 04:45 PM | 54_ | 26 | 99 | 0 | 179 | 8 | 104 | 1 | 0 | 113 | 6 | 9 | 3 | . 0 | 18 | 310 |
| | Total | 337 | 102 | 368 | 0 | 807 | 44 | 492 | 12 | 0 | 548 | 36 | 66 | 22 | 0 | 124 | 1479 |
| | | | | | | | | | | | • | | | | | | 1 |
| | 05:00 PM | 106 | 24 | 121 | 0 | 251 | 16 | 145 | 3 | 0 | 164 | 18 | 22 | 7 | 0 | 47 | 462 |
| | 05:15 PM | 55 | 16 | 114 | 0 | 185 | 6 | 101 | 3 | 0 | 110 | 16 | 18 | 6 | 0 | 40 | 335 |
| | 05:30 PM | 53 | 13 | 91 | 0 | 157 | 7 | 81 | 3 | 0 | 91 | 14 | 17 | 2 | 0 | 33 | 281 |
| | 05:45 PM | 94 | 20 | 65 | 0_ | 179 | 8 | 79 | 3 | 0 | 90 | 7 | 17 | 5 | 0 | 29 | 298 |
| | Total | 308 | 73 | 391 | 0 | 772 | 37 | 406 | 12 | 0 | 455 | 55 | 74 | 20 | 0 | 149 | 1376 |
| | 00.00 DM | | | | • | - 1 | | _ | | | - 1 | | | | | . 1 | |
| | 06:00 PM | 1 | 1-0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | Grand Total | 646 | 176 | 759 | 0 | 1581 | 81 | 898 | 24 | 0 | 1003 | 91 | 140 | 42 | 0 | 273 | 2857 |
| | Apprch % | 40.9 | 11.1 | 48 | 0 | | 8.1 | 89.5 | 2.4 | 0 | | 33.3 | 51.3 | 15.4 | 0 | | |
| - | Total % | 22.6 | 6.2 | 26.6 | 0 | 55.3 | 2.8 | 31.4 | 0.8 | 0 | 35.1 | 3.2 | 4.9 | 1.5 | . 0 | 9.6 | |
| | Cars | 635 | 173 | 747 | 0 | 1555 | 81 | 889 | 24 | 0 | 994 | 89 | 137 | 41 | 0 | 267 | 2816 |
| _ | % Cars | 98.3 | 98.3 | 98.4 | 0 | 98.4 | 100_ | 99 | 100 | 0 | 99.1 | 97.8 | 97.9 | 97.6 | 0 | 97.8 | 98.6 |
| | Trucks | 11 | 3 | 12 | 0 | 26 | 0 | 9 | 0 | 0 | 9 | 2 | 3 | 1 | 0 | 6 | 41 |
| | % Trucks | 1.7 | 1.7 | 1.6 | 0 | 1.6 | 0 | 1 | 0 | 0 | 0.9 | 2.2 | 2.1 | 2.4 | 0 | 2.2 | 1.4 |

610 466-1469 TSTData.com

Location: Rensselaer, New York

Intersection: Broadway @ 3rd Avenue

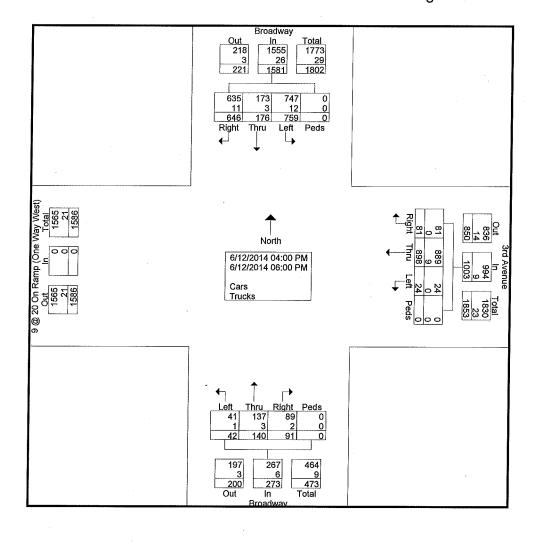
Date: Thursday, June 12, 2014

Counter: MioVision

File Name: Broadway 2 Weekday

Site Code: 0002

Start Date : 6/12/2014



610 466-1469 TSTData.com

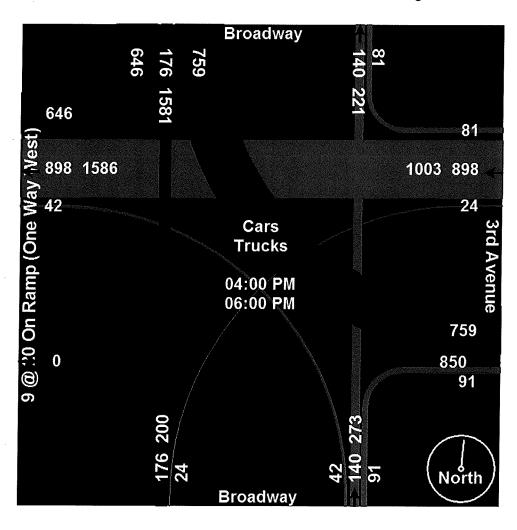
Location: Rensselaer, New York Intersection: Broadway @ 3rd Avenue

Date: Thursday, June 12, 2014

Counter: MioVision

File Name: Broadway 2 Weekday

Site Code : 0002 Start Date : 6/12/2014



TSTData.com

Location: Rensselaer, New York

Intersection: Broadway @ 3rd Avenue

Date: Thursday, June 12, 2014

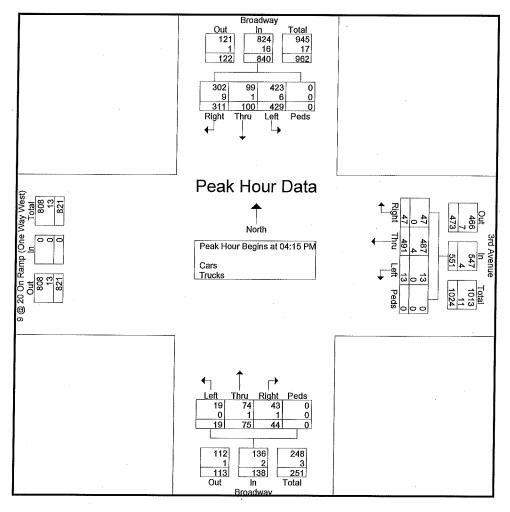
Counter: MioVision

File Name: Broadway 2 Weekday

Site Code : 0002

Start Date : 6/12/2014

| | | | Broadwa outhbou | , | | | | ord Aven Vestbou | | | | | Broadwa Iorthbou | , | | |
|------------------|-------------|-----------|--------------------|---------|------------|-------|------|---------------------|------|------------|-------|------|---------------------|------|------------|---------------------------------------|
| Start Time | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Int. Total |
| Peak Hour Analys | | | | | | | | | | | | | | | | · · · · · · · · · · · · · · · · · · · |
| Peak Hour for En | tire Inters | section B | egins at | 04:15 P | Μ. | | | | | | | | | | | |
| 04:15 PM | 63 | 25 | 96 | 0 | 184 | 14 | 109 | 4 | 0 | 127 | 5 | 23 | 4 | 0 | 32 | 343 |
| 04:30 PM | 88 | 25 | 113 | . 0 | 226 | 9 | 133 | 5 | 0 | 147 | 15 | 21 | 5 | 0 | 41 | 414 |
| 04:45 PM | 54 | 26 | 99 | 0 | 179 | 8 | 104 | 1 | 0 | 113 | 6 | 9 | 3 | 0 | 18 | 310 |
| 05:00 PM | 106 | 24 | 121 | 0 | 251 | 16 | 145 | 3 | 0 | 164 | 18 | 22 | 7 | 0 | 47 | 462 |
| Total Volume | 311 | 100 | 429 | 0 | 840 | 47 | 491 | 13 | 0 | 551 | 44 | 75 | 19 | 0 | 138 | 1529 |
| % App. Total | 37 | 11.9 | 51.1 | 0_ | | 8.5 | 89.1 | 2.4 | 0 | | 31.9 | 54.3 | 13.8 | 0 | | |
| PHF | .733 | .962 | .886 | .000 | .837 | .734 | .847 | .650 | .000 | .840 | .611 | .815 | .679 | .000 | .734 | .827 |
| Cars | 302 | 99 | 423 | 0 | 824 | 47 | 487 | 13 | 0 | 547 | 43 | 74 | 19 | 0 | 136 | 1507 |
| % Cars | 97.1 | 99.0 | 98.6 | 0 | 98.1 | 100 | 99.2 | 100 | 0 | 99.3 | 97.7 | 98.7 | 100 | 0 | 98.6 | 98.6 |
| Trucks | 9 | 1 | 6 | 0 | 16 | 0 | 4 | 0 | 0 | 4 | 1 | 1 | . 0 | . 0 | 2 | 22 |
| % Trucks | 2.9 | 1.0 | 1.4 | 0 | 1.9 | 0 | 0.8 | 0 | 0 | 0.7 | 2.3 | 1.3 | 0 | 0 | 1.4 | 1.4 |



610 466-1469 TSTData.com

Location: Rensselaer, New York

Intersection: Broadway/9&20 Off Ramp

767

99.5

0

0

0

0

0

0

Date: Thursday, June 12, 2014

Counter: BK

Cars

% Cars

Trucks

% Trucks

File Name: Broadway 3 Weekday

2488

99.1

22

0.9

Site Code: 0003

Start Date : 6/12/2014

Page No : 1

| | T | | | | | 0,00 | | | s - Tiuci | | r | | | | | ī |
|-------------|-------|------|---------|------|------------|-------|------|----------|-----------|------------|-------|-------|----------|------|------------|------------|
| | | E | 3roadwa | ay | | | | Broadwa | ay | | | - 9 & | 20 Off F | ₹amp | | |
| | | S | outhbou | ınd | | | N | lorthbou | nd | | | | Eastbou | nd | | |
| Start Time | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Int. Total |
| 04:00 PM | 0 | 136 | 0 | 0 | 136 | 0 | 35 | 0. | 0 | 35 | 65 | 0 | 66 | 0 | 131 | 302 |
| 04:15 PM | 0 | 82 | 0 | 0 | 82 | 0 | 37 | 0 | 0 | 37 | 109 | 0 | 84 | 0 | 193 | 312 |
| 04:30 PM | 0 | 102 | 0 | 0 | 102 | 0 | 41 | 0 | 0 | 41 | 118 | 0 | 97 | 0 | 215 | 358 |
| 04:45 PM | 0 | 78 | 0 | 0 | 78 | 0 | 27 | 0 | 0 | 27 | 104 | 0 | 84 | 0 | 188 | 293 |
| Total | 0 | 398 | 0 | 0 | 398 | . 0 | 140 | 0 | 0 | 140 | 396 | 0 | 331 | 0 | 727 | 1265 |
| | | | | | | | | | | | | | | | | |
| 05:00 PM | 0 | 131 | 0 | 0 | 131 | 0 | 47 | 0 | 0 | 47 | 139 | 0 | 83 | 0 | 222 | 400 |
| 05:15 PM | 0 | 73 | 0 | 0 | 73 | 0 | 31 | 0 | 0 | 31 | 172 | 0 | 90 | 0 | 262 | 366 |
| 05:30 PM | 0 | 52 | 0 | 0 | 52 | 0 | 28 | 0 | . 0 | 28 | - 98 | 0 | 54 | 0 | 152 | 232 |
| 05:45 PM | 0 | 117 | 0 | 0 | 117 | 0 | 28 | . 0 | 0 | 28 | 65 | 0 | 37 | 0 | 102 | 247 |
| Total | 0 | 373 | 0 | 0 | 373 | 0 | 134 | 0 | 0 | 134 | 474 | 0 | 264 | 0 | 738 | 1245 |
| | | | | | | | | | | | | | | | | |
| Grand Total | 0 | 771 | 0 | 0 | 771 | 0 | 274 | 0 | 0 | 274 | 870 | 0 | 595 | 0 | 1465 | 2510 |
| Apprch % | 0 | 100 | 0 | 0 | | 0 | 100 | 0 | 0 | | 59.4 | 0 | 40.6 | 0 | | |
| Total % | 0 | 30.7 | 0 | 0 | 30.7 | 0 | 10.9 | 0 | 0 | 10.9 | 34.7 | 0 | 23.7 | 0 | 58.4 | |
| | | | | | | | | | | | | | | | | |

265

96.7

9

0

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870

100

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0

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0

586

98.5

9

0

0

0

1456

99.4

9

0.6

96.7

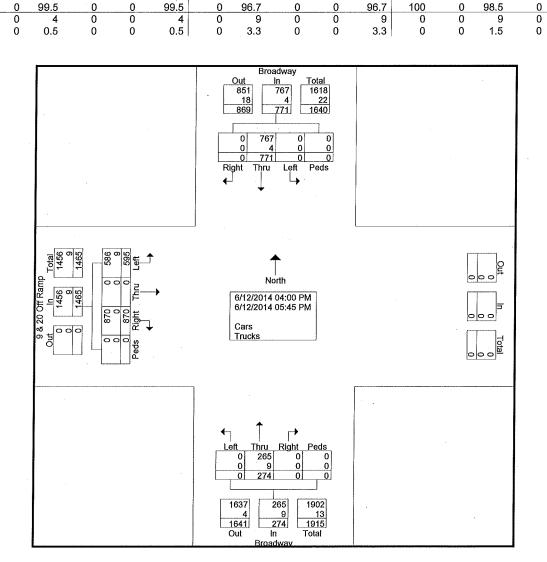
9

0

767

99.5

Groups Printed- Cars - Trucks



610 466-1469 TSTData.com

Location: Rensselaer, New York

Intersection: Broadway/9&20 Off Ramp

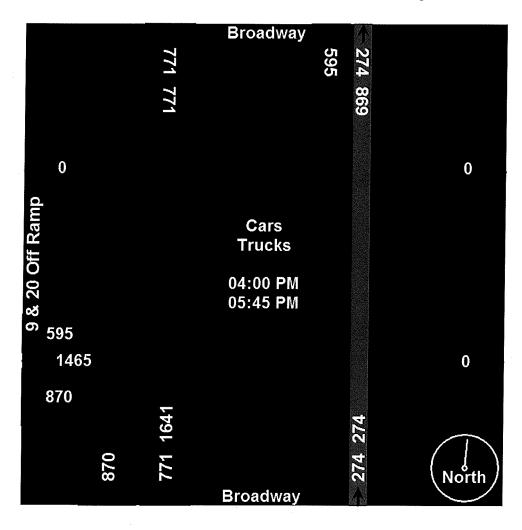
Date: Thursday, June 12, 2014

Counter: BK

File Name: Broadway 3 Weekday

Site Code : 0003

Start Date : 6/12/2014



TSTData.com

Location: Rensselaer, New York

Intersection: Broadway/9&20 Off Ramp

Date: Thursday, June 12, 2014

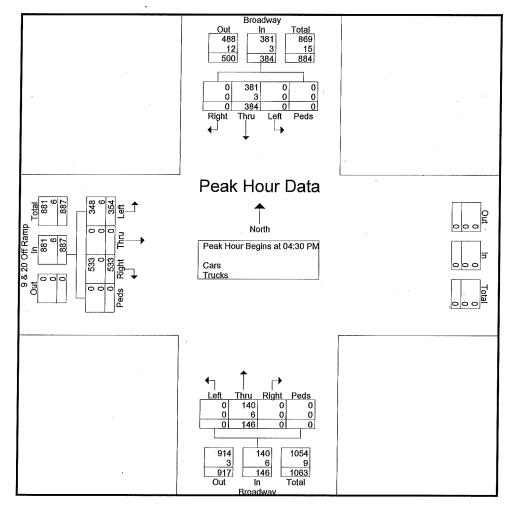
Counter: BK

File Name: Broadway 3 Weekday

Site Code : 0003

Start Date : 6/12/2014

| | | | Broadwa outhbou | | | | | Broadwa Iorthbou | , | | | | 20 Off F Eastbour | | | |
|------------------|-------------|-----------|--------------------|---------|-------------|-------|------|---------------------|------|------------|-------|------|----------------------|------|------------|------------|
| Start Time | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Int. Total |
| Peak Hour Analys | sis From | 04:00 PN | I to 05:4 | 5 PM - | Peak 1 of 1 | | | | | | - | • | | | | |
| Peak Hour for En | tire Inters | section B | egins at | 04:30 P | M . | | | | | | | | | | | |
| 04:30 PM | 0 | 102 | 0 | 0 | 102 | . 0 | 41 | 0 | 0 | 41 | 118 | 0 | 97 | 0 | 215 | 358 |
| 04:45 PM | 0 | 78 | 0 | 0 | 78 | 0 | 27 | 0 | 0 | 27 | 104 | 0 | 84 | 0 | 188 | 293 |
| 05:00 PM | 0 | 131 | 0 | 0 | 131 | 0 | 47 | 0 | 0 | 47 | 139 | 0 | 83 | 0 | 222 | 400 |
| 05:15 PM | 0 | 73 | 0 | 0 | 73 | 0 | 31 | 0 | . 0 | 31 | 172 | 0 | 90 | 0 | 262 | 366 |
| Total Volume | 0 | 384 | 0 | 0 | 384 | · O | 146 | 0 | 0 | 146 | 533 | 0 | 354 | 0 | 887 | 1417 |
| % App. Total | 0 | 100 | 0 | . 0 | | 0 | 100 | 0 | 0 | | 60.1 | 0 | 39.9 | 0 | | |
| PHF | .000 | 733 | .000 | .000 | .733 | .000 | .777 | .000 | .000 | .777 | .775 | .000 | .912 | .000 | .846 | .886 |
| Cars | 0 | 381 | 0 | 0 | 381 | 0 | 140 | 0 | 0 | 140 | 533 | 0 | 348 | 0 | 881 | 1402 |
| % Cars | . 0 | 99.2 | 0 | 0 | 99.2 | 0 | 95.9 | 0 | 0 | 95.9 | 100 | 0 | 98.3 | 0 | 99.3 | 98.9 |
| Trucks | 0 | 3 | 0 | 0 | 3 | 0 | 6 | 0 | 0 | 6 | 0 | 0 | 6 | 0 | 6 | 15 |
| % Trucks | 0 | 8.0 | 0 | 0 | 0.8 | 0 | 4.1 | 0 | 0 | 4.1 | 0 | 0 | 1.7 | 0 | 0.7 | 1.1 |



TSTData.com

Location: Rensselaer, New York Intersection: Broadway @ Herrick St Date: Thursday, June 12th, 2014

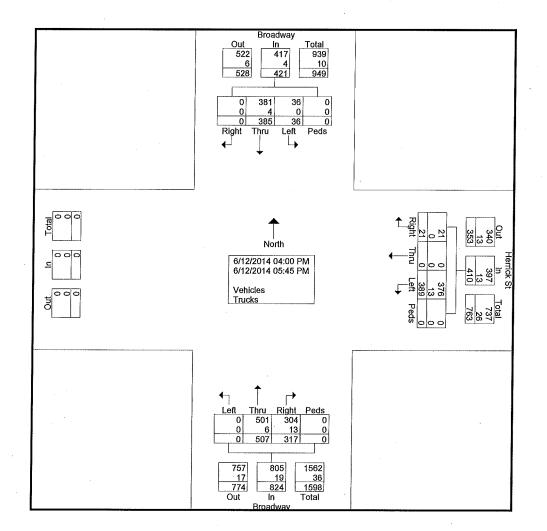
Counter: Bill S

File Name: Broadway 4 Weekday

Site Code: 0004

Start Date : 6/12/2014

| , | | | | | | Group | s Printed | l- Vehicl | es - Tru | cks | | | | | | |
|-------------|-------|------|----------------|------|------------|-------|-----------|-----------|----------|------------|-------|------|----------|------|------------|-----------|
| | | E | Broadwa | ay | | | | Herrick S | St · | | | İ | Broadwa | ay . | |] |
| | | Ş | <u>outhbou</u> | ınd | | | Ų | Vestbou | nd | , | | N | lorthbou | nd | | |
| Start Time | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Int. Tota |
| 04:00 PM | 0 | 51 | 3 | 0 | 54 | 1 | 0 | 77 | 0 | 78 | 41 | 57 | 0 | 0 | 98 | 230 |
| 04:15 PM | 0 | 40 | 3 | 0 | 43 | 2 | 0 | 34 | 0 | 36 | 46 | 67 | 0 | 0 | 113 | 192 |
| 04:30 PM | 0 | 76 | 6 | 0 | 82 | 0 | 0 | 28 | 0 | 28 | 40 | 91 | 0 | 0 | 131 | 241 |
| 04:45 PM | 0 | 43 | 2 | 0 | 45 | 3 | 0 | 38 | 0 | 41 | 46 | 54 | 0 | 0 | 100 | 186 |
| Total | 0 | 210 | 14 | 0 | 224 | 6 | 0 | 177 | 0 | 183 | 173 | 269 | 0 | 0 | 442 | 849 |
| 05:00 PM | 0 | 51 | 9 | 0 | 60 | 4 | 0 | 84 | 0 | 88 | 41 | 71 | 0 | 0 | 112 | 260 |
| 05:15 PM | 0 | 45 | 7 | 0 | 52 | 6 | 0 | 34 | 0 | 40 | 50 | 74 | 0 | 0 | 124 | 216 |
| 05:30 PM | 0 | 32 | 2 | 0 | 34 | 2 | 0 | 16 | 0 | 18 | 29 | 53 | 0 | 0 | 82 | 134 |
| 05:45 PM | 0 | 47 | 4 | 0 | 51 | -3 | 0 | 78 | 0 | 81 | 24 | 40 | 0 | 0 | 64 | 196 |
| Total | .0 | 175 | 22 | 0 | 197 | 15 | 0 | 212 | 0 | 227 | 144 | 238 | 0 | 0 | 382 | 806 |
| Grand Total | 0 | 385 | 36 | 0 | 421 | 21 | 0 | 389 | 0 | 410 | 317 | 507 | 0 | 0 | 824 | 1655 |
| Apprch % | 0 | 91.4 | 8.6 | 0 | | 5.1 | 0 | 94.9 | 0 | | 38.5 | 61.5 | 0 | 0 | | |
| Total % | 0 | 23.3 | 2.2 | 0 | 25.4 | 1.3 | 0 | 23.5 | 0 | 24.8 | 19.2 | 30.6 | 0 | 0 | 49.8 | |
| Vehicles | 0 | 381 | 36 | 0 | 417 | 21 | 0 | 376 | 0 | 397 | 304 | 501 | 0 | 0 | 805 | 1619 |
| % Vehicles | 0 | 99 | 100 | 0 | 99 | 100 | 0 | 96.7 | 0 | 96.8 | 95.9 | 98.8 | 0 | 0 | 97.7 | 97.8 |
| Trucks | 0 | 4 | 0 | 0 | 4 | 0 | 0 | 13 | 0 | 13 | 13 | 6 | 0 | 0 | 19 | 36 |
| % Trucks | Ω | 1 | 0 | 0 | 1 | Λ | Λ | 3.3 | Λ | 3.2 | 11 | 12 | Λ | ٥ | 23 | . 22 |



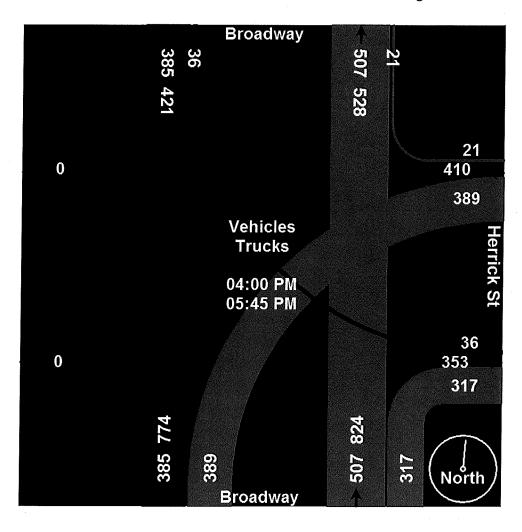
610 466-1469 TSTData.com

Location: Rensselaer, New York Intersection: Broadway @ Herrick St Date: Thursday, June 12th, 2014

Counter: Bill S

File Name: Broadway 4 Weekday

Site Code : 0004 Start Date : 6/12/2014



610 466-1469 TSTData.com

Location: Rensselaer, New York Intersection: Broadway @ Herrick St Date: Thursday, June 12th, 2014

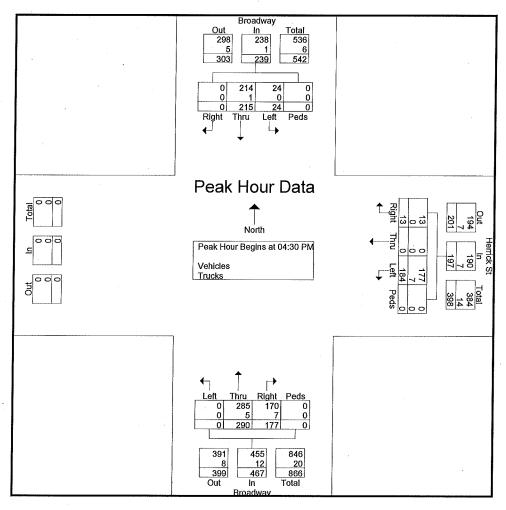
Counter: Bill S

File Name: Broadway 4 Weekday

Site Code: 0004

Start Date : 6/12/2014

| | | | 3roadwa outhbou | - | | | | Herrick S Vestboui | - • | | | | Broadwa Iorthbou | | | |
|------------------|-------------|-----------|--------------------|----------|-------------|-------|------|-----------------------|------|------------|-------|------|---------------------|------|------------|------------|
| Start Time | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Int. Total |
| Peak Hour Analys | sis From | 04:00 PN | A to 05:4 | 5 PM - I | Peak 1 of 1 | | | | | | | • | | | | |
| Peak Hour for En | tire Inters | section B | egins at | 04:30 P | M | | | | | | | | | | | |
| 04:30 PM | 0 | 76 | 6 | 0 | 82 | 0 | 0 | 28 | 0 | 28 | 40 | 91 | 0 | 0 | 131 | 241 |
| 04:45 PM | 0 | 43 | 2 | 0 | 45 | 3 | 0 | 38 | 0 | 41 | 46 | 54 | 0 | 0 | 100 | 186 |
| 05:00 PM | 0 | 51 | 9 | 0 | 60 | 4 | 0 | 84 | 0 | 88 | 41 | 71 | 0 | 0 | 112 | 260 |
| 05:15 PM | 0 | 45 | 7 | 0 | 52 | 6 | 0 | 34 | 0 | 40 | 50 | 74 | 0 | 0 | 124 | 216 |
| Total Volume | 0 | 215 | 24 | 0 | 239 | 13 | 0 | 184 | 0 | 197 | 177 | 290 | 0 | 0 | 467 | 903 |
| % App. Total | 0 | 90 | 10 | 0 | | 6.6 | 0 | 93.4 | 0 | | 37.9 | 62.1 | 0 | 0 | | |
| PHF | .000 | .707 | .667 | .000 | .729 | .542 | .000 | .548 | .000 | .560 | .885 | .797 | .000 | .000 | .891 | .868 |
| Vehicles | 0 | 214 | 24 | 0 | 238 | 13 | 0 | 177 | 0 | 190 | 170 | 285 | 0 | 0 | 455 | 883 |
| % Vehicles | 0 | 99.5 | 100° | 0 | 99.6 | 100 | 0 | 96.2 | 0 | 96.4 | 96.0 | 98.3 | 0 | 0 | 97.4 | 97.8 |
| Trucks | 0 | 1 | . 0 | 0 | 1 | 0 | 0 | . 7 | 0 | 7 | 7 | 5 | 0 | 0 | 12 | 20 |
| % Trucks | 0 | 0.5 | 0 | 0 | 0.4 | 0 | 0 | 3.8 | 0 | 3.6 | 4.0 | 1.7 | 0 | 0 | 2.6 | 2.2 |



610 466-1469 TSTData.com

Location: Rensselaer New York

Intersection: Broadway @ Washington St

Date: Thursday, June 12, 2014

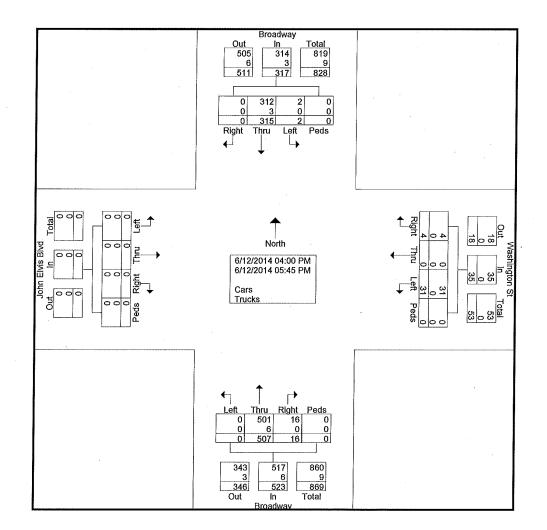
Counter: MB

File Name: Broadway 5 Weekday

Site Code: 0005

Start Date : 6/12/2014

| | | | | | | | | G | roups I | Printed- | Cars - | Trucks | S | | | | | | | | |
|-------------|-------|------|--------|------|------------|-------|------|--------|---------|------------|--------|--------|--------|------|------------|-------|------|---------|------|------------|------------|
| | | E | Broadw | /ay | | | Wa | shingt | | | | | Broadw | /ay | | | Joh | n Elvis | Blvd | | |
| | | Sc | outhbo | und | | | | estboi | | | | N | orthbo | und | | | Е | astbou | ınd | | i |
| Start Time | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Int. Total |
| 04:00 PM | 0 | 40 | 0 | 0 | 40 | 1 | 0 | 7 | 0 | 8 | 2 | 57 | 0 | 0 | 59 | 0 | 0 | 0 | 0 | 0 | 107 |
| 04:15 PM | 0 | 35 | 0 | 0 | 35 | 0 | . 0 | 6 | 0 | 6 | 3 | 65 | 0 | 0 | 68 | 0 | 0 | 0 | 0 | 0 | 109 |
| 04:30 PM | 0 | 70 | 1 | 0 | 71 | - 1 | 0 | 5 | 0 | 6 | 3 | 86 | 0 | 0 | 89 | 0 | 0 | 0 | 0 | 0 | 166 |
| 04:45 PM | 0 | 37 | 1 | . 0 | 38 | 1 | 0 | 2 | 0 | 3 | 1 | 57 | 0 | 0 | 58 | . 0 | 0 | 0 | 0 | 0 | 99 |
| Total | 0 | 182 | 2 | 0 | 184 | 3 | 0 | 20 | 0 | 23 | 9 | 265 | 0 | 0 | 274 | 0 | 0 | 0 | 0 | 0 | 481 |
| | | | | | | | | | | | | | | | | | | | | | |
| 05:00 PM | 0 | 39 | 0 | 0 | 39 | .1 | 0 | 6 | 0 | 7 | 2 | 75 | 0 | 0 | 77 | 0 | 0 | 0 | Ó | 0 | 123 |
| 05:15 PM | 0 | 34 | 0 | 0 | 34 | 0 | 0 | 3 | 0 | 3 | 2 | 71 | 0 | 0 | 73 | 0 | 0 | 0 | 0 | 0 | 110 |
| 05:30 PM | 0 | 25 | 0 | 0 | 25 | 0 | 0 | 1 | 0 | 1 | 2 | 54 | 0 | 0 | 56 | 0 | 0 | 0 | 0 | 0 | 82 |
| 05:45 PM | 0 | 35 | . 0 | 0 | 35 | 0 | 0 | 1_ | 0 | 1 | 1_ | 42 | 0 | 0 | 43 | 0 | 0 | 0 | 0 | 0 | 79 |
| Total | 0 | 133 | 0 | 0 | 133 | 1 | 0 | 11 | 0 | 12 | 7 | 242 | 0 | 0 | 249 | 0 | 0 | 0 | 0 | 0 | 394 |
| 1 | | | | | | | | | | | | | | | | | | | | | |
| Grand Total | 0 | 315 | 2 | 0 | 317 | 4 | 0 | 31 | 0 | 35 | 16 | 507 | 0 | 0 | 523 | 0 | 0 | 0 | 0 | 0 | 875 |
| Apprch % | 0 | 99.4 | 0.6 | 0 | | 11.4 | 0 | 88.6 | 0 | İ | 3.1 | 96.9 | 0 | 0 | | . 0 | 0 | 0 | 0 | | |
| Total % | 0 | 36 | 0.2 | 0 | 36.2 | 0.5 | 0 | 3.5 | 0 | 4 | 1.8 | 57.9 | 0 | 0 | 59.8 | 0 | 0 | 0 | 0 | 0 | |
| Cars | 0 | 312 | 2 | 0 | 314 | 4 | 0 | 31 | 0 | 35 | 16 | 501 | 0 | 0 | 517 | 0 | 0 | 0 | 0 | 0 | 866 |
| % Cars | 0 | 99 | 100 | 0 | 99.1 | 100 | 0_ | 100 | 0 | 100 | 100 | 98.8 | 0 | . 0 | 98.9 | 0 | 0 | 0 | 0 | 0 | 99 |
| Trucks | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | - 6 | 0 | 0 | 0 | 0 | 0 | 9 |
| % Trucks | 0 | 1 | 0 | 0 | 0,9 | 0 | 0 | 0 | 0 | . 0 | 0 | 1.2 | 0 | 0 | 1.1 | 0 | 0 | 0 | 0 | 0 | 1 |



610 466-1469 TSTData.com

Location: Rensselaer New York

Intersection: Broadway @ Washington St

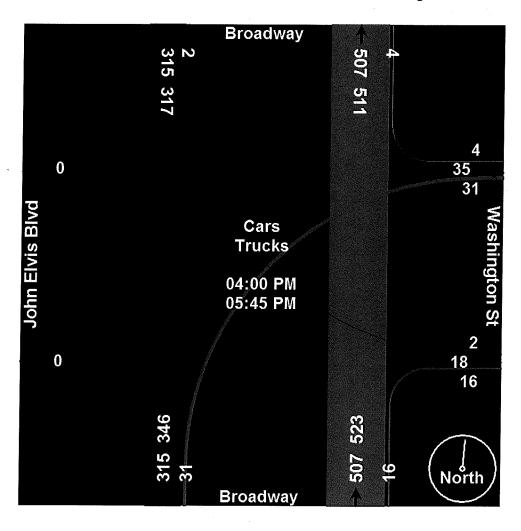
Date: Thursday, June 12, 2014

Counter: MB

File Name: Broadway 5 Weekday

Site Code : 0005

Start Date : 6/12/2014



610 466-1469 TSTData.com

Location: Rensselaer New York

Intersection: Broadway @ Washington St

Date: Thursday, June 12, 2014

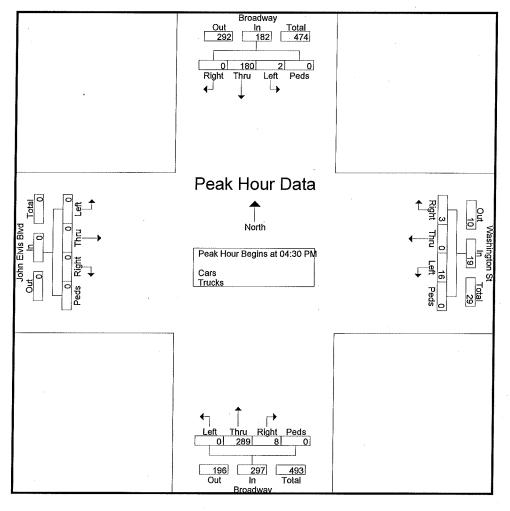
Counter: MB

File Name: Broadway 5 Weekday

Site Code : 0005

Start Date : 6/12/2014

| | | | roadw | | | | | shingt | | | | | roadw | | | | Joh | n Elvis | Blvd | |] |
|---------------|----------|---------|--------|--------|------------|----------|----------|----------------|-------|------------|-------|------|--------|-------------|------------|-------|------|---------|------|------------|------------|
| | | So | uthbo | und | | | W | <u>/estboι</u> | und . | | | No | orthbo | und | | i | E | astbou | ınd | | |
| Start Time | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Int. Total |
| Peak Hour Ar | nalysis | From 0 | 4:00 F | M to 0 | 5:45 PN | 1 - Peal | k 1 of 1 | | | | | | | ,,,,,,,,,,, | | | | | | | |
| Peak Hour for | r Entire | Interse | ection | Begins | at 04:3 | 0 PM | | | | | | | | | | | | | | | |
| 04:30 PM | 0 | 70 | 1 | 0 | 71 | 1 | 0 | 5 | 0 | 6 | 3 | 86 | 0 | 0 | 89 | 0 | 0 | 0 | 0 | 0 | 166 |
| 04:45 PM | 0 | 37 | 1 | 0 | 38 | 1 | 0 | 2 | 0 | 3 | 1 | 57 | 0 | 0 | 58 | 0 | 0 | Ó | Ō | Ō | 99 |
| 05:00 PM | 0 | 39 | 0 | , 0 | 39 | 1 | 0 | 6 | 0 | 7 | 2 | 75 | 0 | 0 | 77 | 0 | 0 | 0 | 0 | 0 | 123 |
| 05:15 PM | 0 | 34 | 0 | ´ 0 | 34 | 0 | 0 | 3 | 0 | 3 | 2 | 71 | . 0 | 0 | 73 | 0 | 0 | 0 | 0 | 0 | 110 |
| Total Volume | 0 | 180 | 2 | 0 | 182 | 3 | 0 | 16 | 0 | 19 | 8 | 289 | 0 | 0 | 297 | 0 | 0 | 0 | 0 | 0 | 498 |
| % App. Total | 0 | 98.9 | 1.1 | 0 | | 15.8 | 0 | 84.2 | 0 | | 2.7 | 97.3 | 0 | 0 | | 0 | 0 | 0 | 0 | - | |
| PHF | .000 | .643 | .500 | .000 | .641 | .750 | .000 | .667 | .000 | .679 | .667 | .840 | .000 | .000 | .834 | .000 | .000 | .000 | .000 | .000 | .750 |



TSTData.com

Location: Rensselaer, New York

Intersection: Broadway @ Partition St

Date: Thursday, June 12, 2014

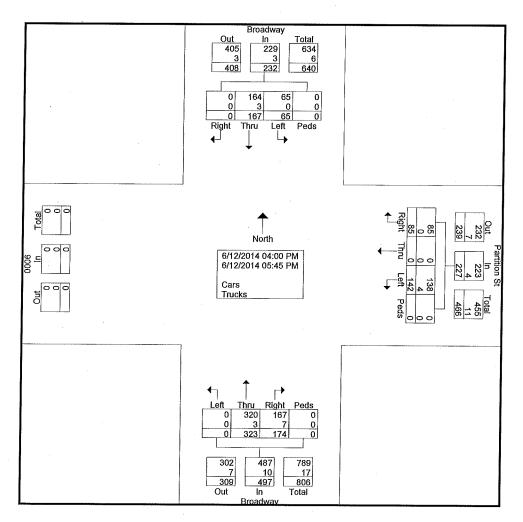
Counter: Miovision

File Name: Broadway 6 Weekday

Site Code: 0006

Start Date : 6/12/2014

| | | | | | | Grou | ps Print | ed- Cars | s - Truck | (S | | | | | | |
|-------------|-------|------|---------|------|------------|-------|----------|----------------|-----------|------------|-------|------|---------|------|------------|------------|
| | | | Broadwa | | | | F | Partition | St | | | E | Broadwa | ıy | | |
| | | Ş | outhbou | ınd | | | V | <u>Vestbou</u> | nd | | | N- | orthbou | nd | | |
| Start Time | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Int. Total |
| 04:00 PM | 0 | 15 | 10 | 0 | 25 | 16 | 0 | 17 | 0 | 33 | 21 | 33 | 0 | 0 | 54 | 112 |
| 04:15 PM | 0 | 23 | 2 | 0 | 25 | 11 | 0 | 13 | 0 | 24 | 25 | 40 | Ō | ō | 65 | 114 |
| 04:30 PM | 0 | 29 | 9 | 0 | 38 | 10 | 0 | 25 | 0 | 35 | 32 | 58 | Ō | ō | 90 | 163 |
| 04:45 PM | 0 | 17 | 8 | 0 | 25 | 5 | 0 | 17 | 0 | 22 | 20 | 39 | 0 | Ō | 59 | 106 |
| Total | 0 | 84 | 29 | 0 | 113 | 42 | 0 | 72 | 0 | 114 | 98 | 170 | 0 | 0 | 268 | 495 |
| 05:00 PM | 0 | 21 | 12 | 0 | 33 | 12 | 0 | 13 | 0 | 25 | 19 | 46 | 0 | 0 | 65 | 123 |
| 05:15 PM | 0 | 17 | 4 | 0 | 21 | 13 | Ō | 20 | ō | 33 | 21 | 55 | ő | ő | 76 | 130 |
| 05:30 PM | 0 | 22 | 9 | 0 | 31 | 12 | 0 | 17 | Ō | 29 | 23 | 24 | Ô | Ô | 47 | 107 |
| 05:45 PM | 0 | 23 | 11 | 0 | 34 | 6 | 0 | 20 | Ō | 26 | 13 | 28 | Õ | ő | 41 | 101 |
| Total | 0 | 83 | 36 | 0 | 119 | 43 | 0 | 70 | 0 | 113 | 76 | 153 | 0 | 0 | 229 | 461 |
| Grand Total | 0 | 167 | 65 | 0 | 232 | 85 | . 0 | 142 | 0 | 227 | 174 | 323 | 0 | 0 | 497 | 956 |
| Apprch % | 0 | 72 | 28 | 0 | | 37.4 | 0 | 62.6 | 0 | | 35 | 65 | ō | Õ | 10. | 000 |
| Total % | 0 | 17.5 | 6.8 | 0 | 24.3 | 8.9 | 0 | 14.9 | 0 | 23.7 | 18.2 | 33.8 | Ö | Ö | 52 | |
| Cars | 0 | 164 | 65 | 0 | 229 | 85 | 0 | 138 | 0 | 223 | 167 | 320 | 0 | 0 | 487 | 939 |
| % Cars | 0 | 98.2 | 100 | 0 | 98.7 | 100 | 0 | 97.2 | 0 | 98.2 | 96 | 99.1 | ō | Õ | 98 | 98.2 |
| Trucks | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 4 | 0 | 4 | 7 | 3 | 0 | 0 | 10 | 17 |
| % Trucks | 0 | 1.8 | 0 | 0 | 1.3 | 0 | 0 | 2.8 | 0 | 1.8 | 4 | 0.9 | 0 | 0 | 2 | 1.8 |



TSTData.com

Location: Rensselaer, New York Intersection: Broadway @ Partition St

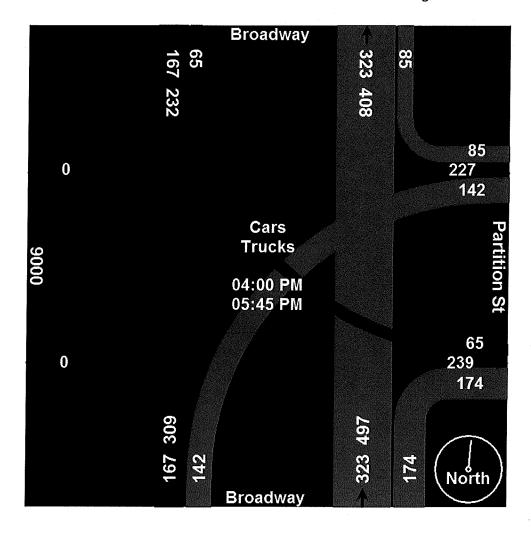
Date: Thursday, June 12, 2014

Counter: Miovision

File Name: Broadway 6 Weekday

Site Code : 0006

Start Date : 6/12/2014



TSTData.com

Location: Rensselaer, New York Intersection: Broadway @ Partition St

Date: Thursday, June 12, 2014

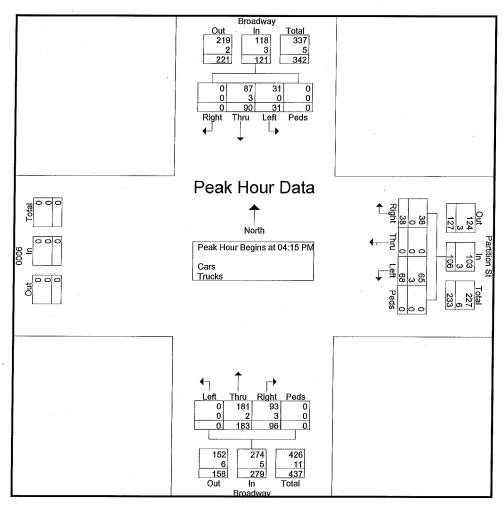
Counter: Miovision

File Name: Broadway 6 Weekday

Site Code: 0006

Start Date : 6/12/2014

| | | | 3roadwa outhbou | | | | - | Partition Vestbou | | | | | Broadwa orthbou | , | | |
|------------------|-------------|-----------|--------------------|-----------|-------------|-------|------|----------------------|------|------------|-------|------|--------------------|------|------------|------------|
| Start Time | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Int. Total |
| Peak Hour Analy | sis From | 04:00 PN | A to 05:0 | 00 PM - I | Peak 1 of 1 | | • | | | ······ | | | | | | |
| Peak Hour for En | tire Inters | section B | egins at | 04:15 P | M | | | | | | | | | | | |
| 04:15 PM | 0 | 23 | 2 | 0 | . 25 | 11 | 0 | 13 | 0 | 24 | 25 | 40 | 0 | 0 | 65 | 114 |
| 04:30 PM | 0 | 29 | 9 | 0 | 38 | 10 | 0 | 25 | 0 | 35 | 32 | 58 | 0 | 0 | 90 | 163 |
| 04:45 PM | 0 | 17 | 8 | 0 | 25 | 5 | 0 | 17 | 0 | 22 | 20 | 39 | 0 | 0 | 59 | 106 |
| 05:00 PM | . 0 | 21 | 12 | 0 | 33 | 12 | 0 | 13 | 0 | 25 | 19 | 46 | 0 | 0 | 65 | 123 |
| Total Volume | 0 | 90 | 31 | 0 | 121 | 38 | 0 | 68 | 0 | 106 | 96 | 183 | 0 | 0 | 279 | 506 |
| % App. Total | 0 | 74.4 | 25.6 | 0 | | 35.8 | 0 | 64.2 | 0 | | 34.4 | 65.6 | 0 | 0 | | |
| PHF | .000 | .776 | .646 | .000 | .796 | .792 | .000 | .680 | .000 | .757 | .750 | .789 | .000 | .000 | .775 | .776 |
| Cars | 0 | 87 | 31 | 0 | 118 | 38 | 0 | 65 | 0 | 103 | 93 | 181 | 0 | 0 | 274 | 495 |
| % Cars | 0 | 96.7 | 100 | 0 | 97.5 | 100 | 0 | 95.6 | 0 | 97.2 | 96.9 | 98.9 | 0 | 0 | 98.2 | 97.8 |
| Trucks | 0 | 3 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 3 | 3 | 2 | 0 | 0 | 5 | 11 |
| % Trucks | 0 | 3.3 | 0 | 0 | 2.5 | 0 | 0 . | 4.4 | 0 | 2.8 | 3.1 | 1.1 | 0 | 0 | 1.8 | 2.2 |



2014 Traffic Counts (Friday evening)

TSTData.com

Location:Rensselaer, New York Intersection: Broadway @ 9&20 Date: Friday, June 13, 2014

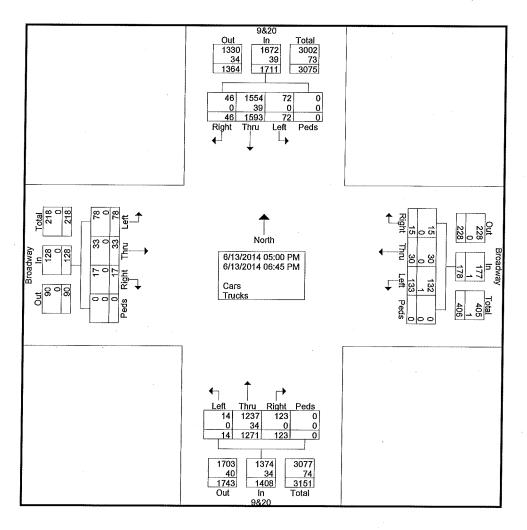
Counter: MioVision

File Name: Broadway 1 Friday Final

Site Code: 0001

Start Date : 6/13/2014

| | | | | | | | | Gı | oups F | Printed- | Cars - | Truck | s | | | | | | | | |
|-------------|-------|------|--------|------|------------|-------|------|---------|--------|------------|--------|-------|-------------|------|------------|-------|------|--------|------|------------|------------|
| | İ | | 9&20 | | | | E | Broadw | ay ay | | | | 9&20 |) | | | Е | Broadw | ay | | |
| | | | outhbo | und | | | V | /estbou | und | | | N | orthbo | und | | | E | astbou | ınd | | |
| Start Time | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App, Total | Right | Thru | Left | Peds | App. Total | Int. Total |
| 05:00 PM | 3 | 336 | 11 | 0 | 350 | 1 | 1 | 14 | 0 | 16 | 11 | 212 | 2 | 0 | 225 | 0 | 12 | 29 | 0 | 41 | 632 |
| 05:15 PM | 10 | 306 | 11 | 0 | 327 | 1 | 4 | 19 | 0 | 24 | 16 | 178 | 1 | 0 | 195 | 5 | 6 | 8 | 0 | 19 | 565 |
| 05:30 PM | 9 | 244 | 10 | 0 | 263 | 3 | 6 | 13 | 0 | 22 | 20 | 176 | 2 | 0 | 198 | 3 | 1 | 12 | 0 | 16 | 499 |
| 05:45 PM_ | 3 | 166 | 8 | 0 | 177 | 3 | 6 | 24 | 0 | 33 | 17 | 175 | 2 | 0 | 194 | 0 | 5 | . 3 | 0 | 8 | 412 |
| Total | 25 | 1052 | 40 | 0 | 1117 | 8 | 17 | 70 | 0 | 95 | 64 | 741 | 7 | 0 | 812 | 8 | 24 | 52 | 0 | 84 | 2108 |
| 06:00 PM | 8 | 172 | 12 | 0 | 192 | 2 | 3 | 25 | 0 | 30 | 20 | 141 | 2 | 0 | 163 | 2 | 4 | 9 | 0 | 12 | 397 |
| 06:15 PM | 5 | 145 | 9 | 0 | 159 | 2 | 4 | 16 | 0 | 22 | 21 | 167 | 2 | 0 | 190 | 3 | 1 | 9 | 0 | 13 | 384 |
| 06:30 PM | 5 | 123 | 4 | 0 | 132 | 1 | 2 | 14 | 0 | 17 | 9 | 114 | 2 | 0 | 125 | 2 | 7 | 5 | 0 | 14 | 288 |
| 06:45 PM | 3 | 101 | 7 | ő | 111 | 2 | 4 | 8 | Ő | 14 | 9 | 108 | 1 | 0 | 118 | 2 | , | 3 | 0 | 5 | 248 |
| Total | 21 | 541 | 32 | 0 | 594 | 7 | 13 | 63 | 0 | 83 | 59 | 530 | | 0 | 596 | 9 | 9 | 26 | 0 | 44 | 1317 |
| | | • | - | J | 001 | • | 10 | 00 | | 00 | 00 | 000 | , | U | 000 | 3 | 9 | 20 | v | 44 | 1317 |
| Grand Total | 46 | 1593 | 72 | . 0 | 1711 | 15 | 30 | 133 | 0 | 178 | 123 | 1271 | 14 | 0 | 1408 | 17 | 33 | 78 | . 0 | 128 | 3425 |
| Apprch % | 2.7 | 93.1 | 4.2 | 0 | | 8.4 | 16.9 | 74.7 | 0 | | 8.7 | 90.3 | 1 | 0 | 1 | 13.3 | 25.8 | 60.9 | 0 | | |
| Total % | 1.3 | 46.5 | 2.1 | 0 | 50 | 0.4 | 0.9 | 3.9 | 0 | 5.2 | 3.6 | 37.1 | 0.4 | 0 | 41.1 | 0.5 | 1 | 2.3 | 0 | 3.7 | |
| Cars | 46 | 1554 | 72 | 0 | 1672 | 15 | 30 | 132 | 0 | 177 | 123 | 1237 | 14 | 0 | 1374 | 17 | 33 | 78 | 0 | 128 | 3351 |
| % Cars | 100 | 97.6 | 100 | 0 | 97.7 | 100 | 100 | 99.2 | 0 | 99.4 | 100 | 97.3 | 100 | 0 | 97.6 | 100 | 100 | 100 | 0 | 100 | 97.8 |
| Trucks | 0 | 39 | 0 | 0 | 39 | 0 | 0 | 1 | 0 | 1 | . 0 | 34 | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 74 |
| % Trucks | 0 | 2.4 | 0 | 0 | 2.3 | 0 | 0 | 8.0 | 0 | 0.6 | 0 | 2.7 | 0 | 0 | 2.4 | 0 | 0 | 0 | 0 | 0 | 2.2 |



TSTData.com

Location:Rensselaer, New York Intersection: Broadway @ 9&20

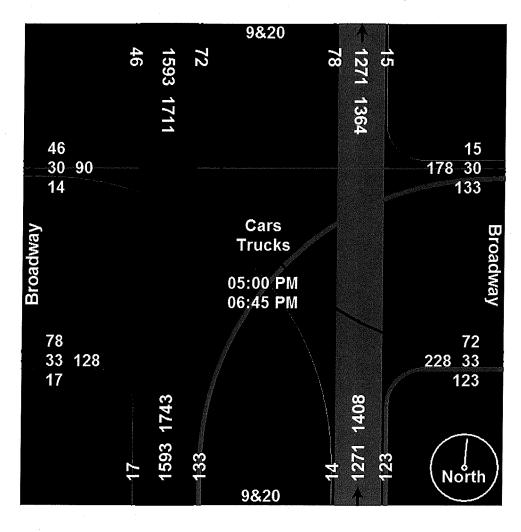
Date: Friday, June 13, 2014

Counter: MioVision

File Name: Broadway 1 Friday Final

Site Code : 0001

Start Date : 6/13/2014



TSTData.com

Location:Rensselaer, New York Intersection: Broadway @ 9&20

Date: Friday, June 13, 2014

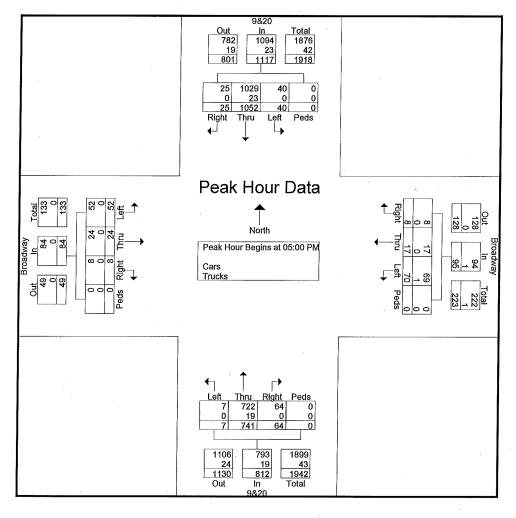
Counter: MioVision

File Name: Broadway 1 Friday Final

Site Code: 0001

Start Date : 6/13/2014

| | | Sc | 9&20 uthbo | | | | | 3roadw ∕estbou | , | | | N | 9&20 orthbo | | | | | Broadw astbou | , | | |
|---------------|----------|--------|---------------|--------|------------|-------|----------|-------------------|------|------------|-------|------|----------------|------|------------|-------|------|------------------|------|------------|------------|
| Start Time | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Int. Total |
| Peak Hour Ar | | | | | | | < 1 of 1 | | | | | | | | | | | | | | |
| Peak Hour for | r Entire | Inters | ection I | Begins | at 05:0 | 0 PM | | | | | | | | | | | | | | | |
| 05:00 PM | 3 | 336 | 11 | 0 | 350 | 1 | 1 | 14 | 0 | 16 | 11 | 212 | 2 | 0 | 225 | 0 | 12 | 29 | 0 | 41 | 632 |
| 05:15 PM | 10 | 306 | 11 | 0 | 327 | 1 | 4 | 19 | 0 | 24 | 16 | 178 | 1 | 0 | 195 | 5 | 6 | 8 | 0 | 19 | 565 |
| 05:30 PM | 9 | 244 | 10 | 0 | 263 | 3 | 6 | 13 | 0 | 22 | 20 | 176 | 2 | 0 | 198 | 3 | 1 | 12 | 0 | 16 | 499 |
| _ 05:45 PM | 3 | 166 | 8 | 0 | 177 | 3 | 6 | 24 | 0 | 33 | 17 | 175 | 2 | 0 | 194 | 0 | 5 | 3 | 0. | 8 | 412 |
| Total Volume | 25 | 1052 | 40 | 0 | 1117 | 8 | 17 | 70 | 0 | 95 | 64 | 741 | 7 | 0 | 812 | 8 | 24 | 52 | 0 | 84 | 2108 |
| % App. Total | 2.2 | 94.2 | 3.6 | 0 | | 8.4 | 17.9 | 73.7 | 0 | | 7.9 | 91.3 | 0.9 | 0 | | 9.5 | 28.6 | 61.9 | 0 | | |
| PHF | .625 | .783 | .909 | .000 | .798 | .667 | .708 | .729 | .000 | .720 | .800 | .874 | .875 | .000 | .902 | .400 | .500 | .448 | .000 | .512 | .834 |
| Cars | 25 | 1029 | | | | | | | | | | | | | | | | | | | |
| % Cars | 100 | 97.8 | 100 | 0 | 97.9 | 100 | 100 | 98.6 | 0 | 98.9 | 100 | 97.4 | 100 | 0 | 97.7 | 100 | 100 | 100 | 0 | 100 | 98.0 |
| Trucks | 0 | 23 | 0 | 0 | 23 | 0 | 0 | 1 | 0 | 1 | 0 | 19 | 0 | 0 | 19 | 0 | 0 | 0 | 0 | 0 | 43 |
| % Trucks | 0 | 2.2 | 0 | 0 | 2.1 | 0 | 0 | 1.4 | 0 | 1.1 | 0 | 2.6 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 2.0 |



TSTData.com

Location:Rensselaer, New York

Intersection: Broadway @ 3rd Avenue Date: Friday, June 13, 2014 Counter: Mio-Vision

File Name: Broadway 2 Friday

Site Code : 0002

Start Date : 6/13/2014

| Groups | Printed- | - Cars - | Trucks |
|--------|----------|----------|--------|
|--------|----------|----------|--------|

| | | | Broadwa outhbou | | | | | rd Aven Vestbou | ue | | | | Broadwa orthbou | | | |
|---------------------|-------------|-------------|--------------------|------|------------|-------|------|--------------------|----------|------------|-------|------|--------------------|------|------------|------------|
| Start Time | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Int. Total |
| 05:00 PM | 119 | 20 | 83 | 0 | 222 | 7 | 141 | 3 | 1 | 152 | 18 | 22 | 2 | 0 | 42 | 416 |
| 05:15 PM | 70 | 26 | 104 | 0 | 200 | 11 | 109 | 3 | 0 | 123 | 12 | 22 | 1 | 0 | 35 | 358 |
| 05:30 PM | 42 | 14 | 66 | 0 | 122 | 10 | 83 | 5 | 0 | 98 | . 15 | 17 | 3 | 0 | 35 | 255 |
| 05:45 PM | 44 | 26 | 45 | 0 | 115 | 15 | 75 | 5 | 0 | 95 | 8 | 15 | 4 | 0 | 27 | 237 |
| Total | 275 | 86 | 298 | 0 | 659 | 43 | 408 | 16 | 1 | 468 | 53 | 76 | 10 | 0 | 139 | 1266 |
| 1 | | | | | 2 1 | | | | | | ı | | | | | |
| 06:00 PM | 120 | 31 | 37 | 0 | 188 | 9 | 82 | 2 | 0 | 93 | 15 | 22 | 3 | 0 | 40 | 321 |
| 06:15 PM | 52 | 20 | 47 | 0 | 119 | 7 | 55 | 1 | 0 | 63 | 9 | 16 | 4 | 0 | 29 | 211 |
| 06:30 PM | 52 | 12 | 44 | 0 | 108 | 7 | 43 | 1 | 0 | 51 | 12 | 9 | 1 | 0 | 22 | 181 |
| 06:45 PM | 29 | 13 | 30 | 0 | 72 | 6 | 27 | 2 | 1_ | 36 | 9 | 10 | 2 | 0 | 21 | 129 |
| Total | 253 | 76 | 158 | . 0 | 487 | 29 | 207 | 6 | 1 | 243 | 45 | 57 | 10 | 0 | 112 | 842 |
| 07:00 PM | ^ | | 0 | 0 | 0 | | 0 | • | 0 | . I | • | | | • | ا م | |
| Grand Total | 0 530 | 160 | 0 | 0 | 0 | 70 | 0 | 0 | 0 | 740 | 0 | 0 | 0 | 0 | 0 | 7 |
| | 528 46.1 | 162 | 456 | 0 | 1146 | 73 | 615 | 22 | 2 | 712 | 98 | 133 | 20 | 0 | 251 | 2109 |
| Apprch % Total % | 46.1 25 | 14.1 7.7 | 39.8 | 0 | 540 | 10.3 | 86.4 | 3.1 | 0.3 | 00.0 | 39 | 53 | 8 | 0 | 44.0 | |
| Cars | 522 | 161 | 21.6 | 0 | 54.3 | 3.5 | 29.2 | 200 | 0.1 | 33.8 | 4.6 | 6.3 | 0.9 | 0 | 11.9 | 0000 |
| % Cars | 98.9 | 99.4 | 445 97.6 | 0 | 1128 | 72 | 612 | 22 | 2 | 708 | 97 | 133 | 20 | 0 | 250 | 2086 |
| Trucks | 90.9 | 22.4 1 | 11 | 0 | 98.4 18 | 98.6 | 99.5 | 100 0 | 100 0 | 99.4 | 99 | 100 | 100 | 0 | 99.6 | 98.9 |
| % Trucks | 1.1 | 0.6 | 2.4 | 0 | | 1 1 | - | • | • | 4 | 1 | 0 | 0 | 0 | 1 | 23 |
| 70 TIUCKS | 1.1 | 0.0 | 2.4 | U | 1.6 | 1.4 | 0.5 | 0 | 0 | 0.6 | 1 | 0 | 0 | 0 | 0.4 | 1.1 |

610 466-1469 TSTData.com

Location:Rensselaer, New York

Intersection: Broadway @ 3rd Avenue

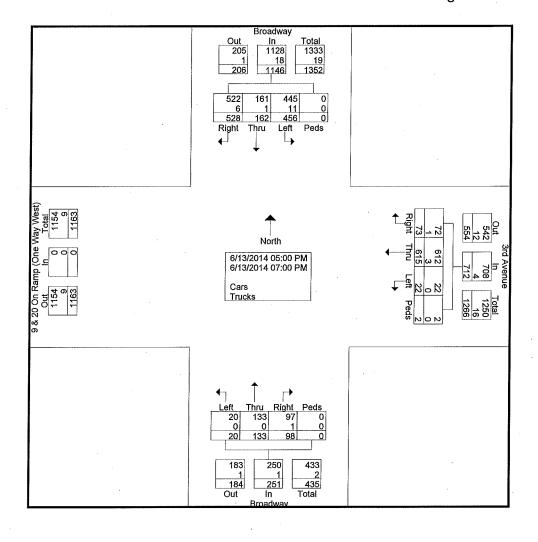
Date: Friday, June 13, 2014

Counter: Mio-Vision

File Name: Broadway 2 Friday

Site Code: 0002

Start Date : 6/13/2014



TSTData.com

Location:Rensselaer, New York

Intersection: Broadway @ 3rd Avenue

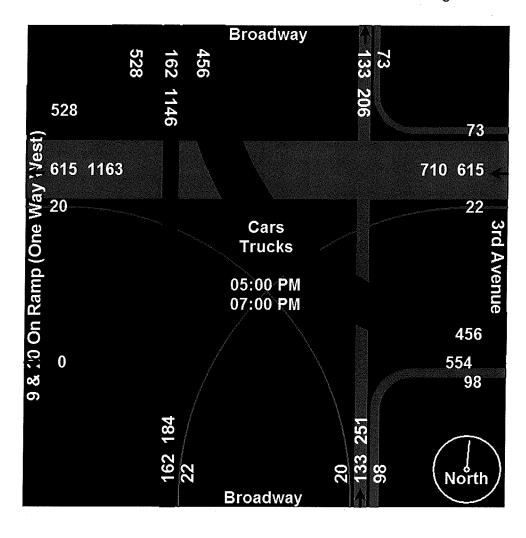
Date: Friday, June 13, 2014

Counter: Mio-Vision

File Name: Broadway 2 Friday

Site Code: 0002

Start Date : 6/13/2014



TSTData.com

Location:Rensselaer, New York

Intersection: Broadway @ 3rd Avenue

Date: Friday, June 13, 2014

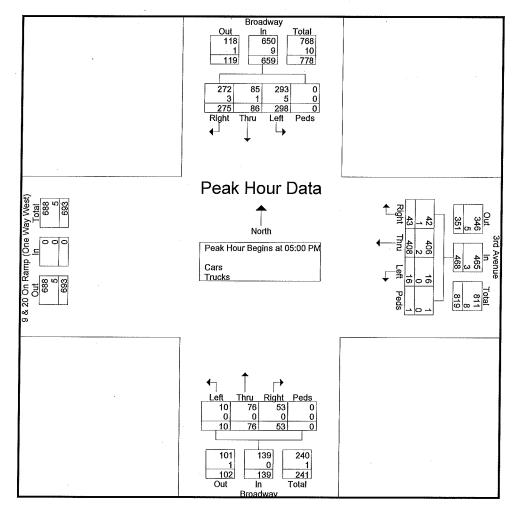
Counter: Mio-Vision

File Name: Broadway 2 Friday

Site Code : 0002

Start Date : 6/13/2014

| | | | 3roadwa outhbou | , | | | | rd Aven /estbou | | | | | Broadwa Iorthbou | , | | |
|------------------|-------------|-----------|--------------------|---------|------------|-------|------|--------------------|------|------------|-------|------|---------------------|------|------------|------------|
| Start Time | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Int. Total |
| Peak Hour Analys | | | | | | • | ., | | | | | | | | | |
| Peak Hour for En | tire Inters | section B | egins at | 05:00 P | Μ. | | | | | | | | | | | |
| 05:00 PM | 119 | 20 | 83 | 0 | 222 | 7 | 141 | 3 | 1 | 152 | 18 | 22 | 2 | 0 | 42 | 416 |
| 05:15 PM | 70 | 26 | 104 | 0 | 200 | 11 | 109 | 3 | . 0 | 123 | 12 | . 22 | 1 | 0 | 35 | 358 |
| 05:30 PM | 42 | 14 | 66 | 0 | 122 | 10 | 83 | 5 | 0 | 98 | 15 | 17 | 3 | 0 | 35 | 255 |
| 05:45 PM | 44 | 26 | 45 | 0 | 115 | 15 | 75 | 5 | 0 | 95 | 8 | 15 | 4 | 0 | 27 | 237 |
| Total Volume | 275 | 86 | 298 | 0 | 659 | 43 | 408 | 16 | 1 | 468 | 53 | 76 | 10 | 0 | 139 | 1266 |
| % App. Total | 41.7 | 13.1 | 45.2 | 0 | | 9.2 | 87.2 | 3.4 | 0.2 | | 38.1 | 54.7 | 7.2 | 0 | | |
| PHF | .578 | .827 | .716 | .000 | .742 | .717 | .723 | .800 | .250 | .770 | .736 | .864 | .625 | .000 | .827 | .761 |
| Cars | 272 | 85 . | 293 | 0 | 650 | 42 | 406 | 16 | 1 | 465 | 53 | 76 | 10 | 0 | 139 | 1254 |
| % Cars | 98.9 | 98.8 | 98.3 | 0 | 98.6 | 97.7 | 99.5 | 100 | 100 | 99.4 | 100 | 100 | 100 | 0 | 100 | 99.1 |
| Trucks | 3 | 1 | 5 | 0 | 9 | . 1 | 2 | 0 | 0 | 3 | 0 | 0 | 0 | . 0 | 0 | 12 |
| % Trucks | 1.1 | 1.2 | 1.7 | 0 | 1.4 | 2.3 | 0.5 | 0 | 0 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0.9 |



TSTData.com

Location: Rensselaer, New York

Intersection: Broadway @ 9&20 Off Ramp

Date: Friday, June 13, 2014

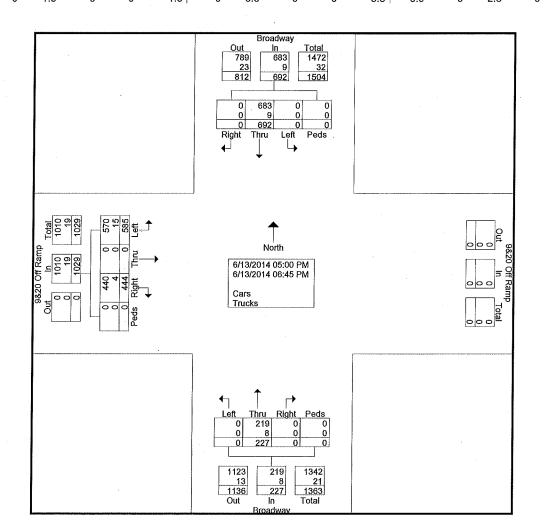
Counter: BB

File Name: Broadway 3 Friday

Site Code : 0003

Start Date : 6/13/2014

| | | | Broadwa | 21/ | | Giou | ps Printe | Broadwa | | (S | | 08.2 | 20 Off R | amn | | 1 |
|-------------|-------|------|---------|------|------------|-------|-----------|---------|------|------------|-------|------|----------|------|------------|------------|
| | | | outhbou | | | | | orthbou | | | | | astbour | | | |
| Start Time | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Int. Total |
| 05:00 PM | 0 | 128 | 0 | 0 | 128 | 0 | 33 | 0 | 0 | 33 | 92 | 0 | - 77 | 0 | 169 | 330 |
| 05:15 PM | 0 | 86 | 0 | 0 | 86 | 0 | 35 | 0 | 0 | 35 | 98 | 0 | 99 | 0 | 197 | 318 |
| 05:30 PM | 0 | 56 | 0 | 0 | 56 | 0 | 30 | 0 | 0 | 30 | 69 | 0 | 73 | 0 | 142 | 228 |
| 05:45 PM | 0 | 93 | 0 | 0 | 93 | 0 | 35 | 0 | 0 | 35 | 31 | 0 | 51 | 0 | 82 | 210 |
| Total | 0 | 363 | 0 | 0 | 363 | 0 | 133 | 0 | . 0 | 133 | 290 | 0 | 300 | 0 | 590 | 1086 |
| 06:00 PM | 0 | 135 | 0 | 0 | 135 | 0 | 33 | 0 | 0 | 33 | 46 | 0 | 63 | 0 | 109 | 277 |
| 06:15 PM | 0 | 77 | 0 | 0 | 77 | 0 | 25 | 0 | 0 | 25 | 40 | . 0 | 72 | 0 | 112 | 214 |
| 06:30 PM | 0 | 74 | 0 | 0 | 74 | 0 | 21 | 0 | 0 | 21 | 40 | 0 | 67 | 0 | 107 | 202 |
| 06:45 PM | 0 | 43 | 0 | 0 | 43 | 0 | 15 | 0 | . 0 | 15 | 28 | 0 | 83 | 0 | 111 | 169 |
| Total | 0 | 329 | 0 | 0 | 329 | 0 | 94 | 0 | 0 | 94 | 154 | 0 | 285 | 0 | 439 | 862 |
| Grand Total | 0 | 692 | 0 | 0 | 692 | 0 | 227 | 0 | 0 | 227 | 444 | 0 | 585 | 0 | 1029 | 1948 |
| Apprch % | 0 | 100 | 0 | 0 | . [| 0 | 100 | 0 | . 0 | | 43.1 | 0 | 56.9 | 0 | | |
| Total % | 0 | 35.5 | 0 | 0 | 35.5 | 0 | 11.7 | 0 | 0 | 11.7 | 22.8 | 0 | 30 | 0 | 52.8 | |
| Cars | 0 | 683 | 0 | 0 | 683 | 0 | 219 | 0 | 0 | 219 | 440 | 0 | 570 | 0 | 1010 | 1912 |
| % Cars | 0 | 98.7 | 0 | 0 | 98.7 | 0 | 96.5 | 0 | . 0 | 96.5 | 99.1 | 0 | 97.4 | 0 | 98.2 | 98.2 |
| Trucks | 0 | 9 | 0 | 0 | 9 | 0 | 8 | 0 | 0 | 8 | 4 | 0 | 15 | 0 | 19 | 36 |
| % Trucks | 0 | 1.3 | 0 | 0 | 1.3 | 0 | 3.5 | 0 | 0 | 3.5 | 0.9 | 0 - | 2.6 | 0 | 1.8 | 1.8 |



610 466-1469 TSTData.com

Location: Rensselaer, New York

Intersection: Broadway @ 9&20 Off Ramp

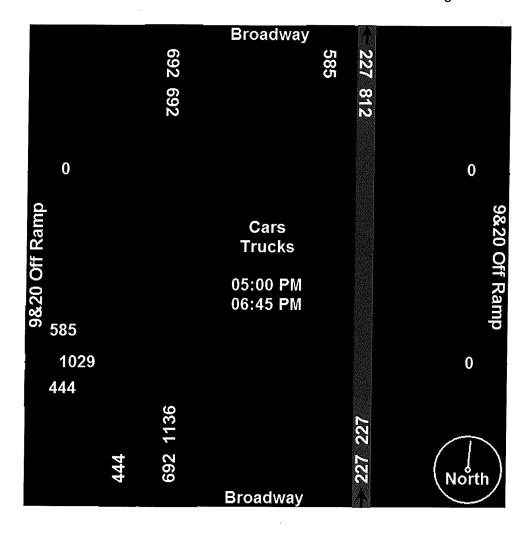
Date: Friday, June 13, 2014

Counter: BB

File Name: Broadway 3 Friday

Site Code : 0003

Start Date : 6/13/2014



610 466-1469 TSTData.com

Location: Rensselaer, New York

Intersection: Broadway @ 9&20 Off Ramp

Date: Friday, June 13, 2014

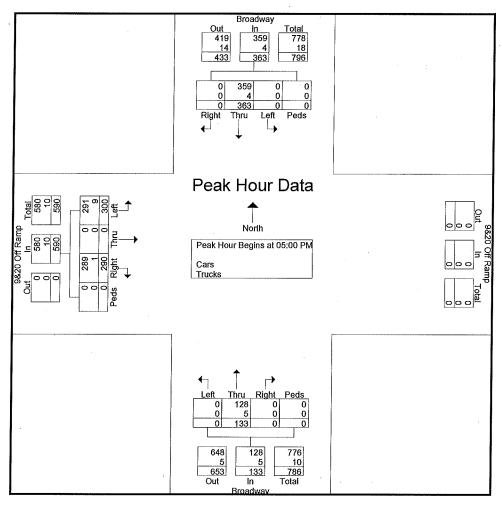
Counter: BB

File Name: Broadway 3 Friday

Site Code : 0003

Start Date : 6/13/2014

| | | | 3roadwa outhbou | , | | | | Broadwa Iorthbou | | | | | 20 Off R Eastbour | | | |
|------------------|-------------|----------|--------------------|---------|------------|-------|------|---------------------|------|------------|-------|------|----------------------|--------|------------|------------|
| Start Time | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds · | App. Total | Int. Total |
| Peak Hour Analys | | | | | | | | | | | ' | | | | , | · |
| Peak Hour for En | tire Inters | ection B | egins at | 05:00 P | M | | | | | | | | | | | |
| 05:00 PM | 0 | 128 | 0 | 0 | 128 | 0 | 33 | 0 | 0 | 33 | 92 | 0 | 77 | 0 | 169 | 330 |
| 05:15 PM | 0 | 86 | 0 | 0 | 86 | 0 | 35 | 0 | 0 | 35 | 98 | 0 | 99 | 0 | 197 | 318 |
| 05:30 PM | 0 | 56 | 0 | 0 | 56 | 0 | 30 | 0 | . 0 | 30 | 69 | 0 | 73 | 0 | 142 | 228 |
| 05:45 PM | 0 | 93 | 0 | 0 | 93 | 0 | 35 | 0 | 0 | 35 | 31 | 0 | 51 | 0 | 82 | 210 |
| Total Volume | 0 | 363 | 0 | ິ່. 0 | 363 | 0 | 133 | 0 | 0 | 133 | 290 | 0 | 300 | 0 | 590 | 1086 |
| % App. Total | 0 | 100 | 0 | 0 | | 0 | 100 | 0 | 0 | | 49.2 | 0 | 50.8 | 0 | | |
| PHF | .000 | .709 | .000 | .000 | .709 | .000 | .950 | .000 | .000 | .950 | .740 | .000 | .758 | .000 | .749 | .823 |
| Cars | 0 | 359 | 0 | 0 | 359 | 0 | 128 | 0 | 0 | 128 | 289 | 0 | 291 | 0 | 580 | 1067 |
| % Cars | 0 | 98.9 | 0 | 0 | 98.9 | 0 1 | 96.2 | 0 | 0 | 96.2 | 99.7 | 0 | 97.0 | 0 | 98.3 | 98.3 |
| Trucks | 0 | 4 | 0 | 0 | 4 | 0 | 5 | 0 | 0 | 5 | 1 | 0 | 9 | 0 | 10 | 19 |
| % Trucks | 0 | 1.1 | 0 | 0 | 1.1 | 0 | 3.8 | 0 | 0 | 3.8 | 0.3 | 0 | 3.0 | . 0 | 1.7 | 1.7 |



TSTData.com

Location: Rensselaer, New York Intersection: Broadway @ Herrick St

Date: Friday, June 13, 2014

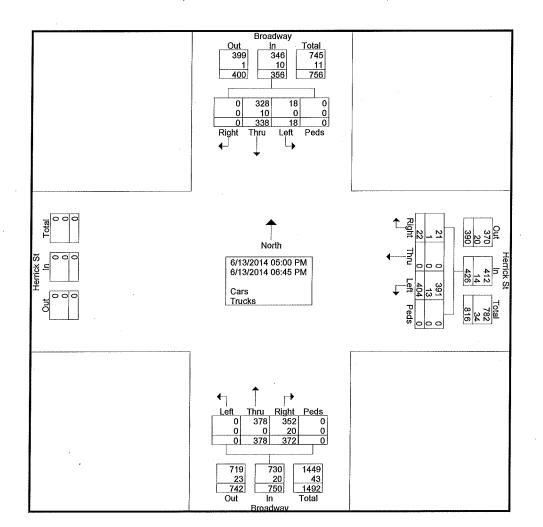
Counter: BK

File Name: Broadway 4 Friday

Site Code: 0004

Start Date : 6/13/2014

| | | | | | | Grou | ıps Printe | ed- Cars | - Truck | S | | | | | | |
|-------------|-------|------|---------|------|------------|-------|------------|-----------------|---------|------------|-------|------|----------------|-----------|------------|------------|
| | | E | Broadwa | ay | | | ŀ | Herrick S | St | | | | Broadwa | • | | |
| | | Ş | outhbou | ınd | | | N | <i>l</i> estbou | nd | | | Ņ. | <u>orthbou</u> | <u>nd</u> | | |
| Start Time | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Int. Total |
| 05:00 PM | 0 | 43 | 6 | 0 | 49 | 8 | 0 | 94 | 0 | 102 | 34 | 63 | 0 | 0 | 97 | 248 |
| 05:15 PM | 0 | 43 | 3 | 0 | 46 | 3 | 0 | 46 | 0 | 49 | 64 | 74 | 0 | 0 | 138 | 233 |
| . 05:30 PM | - 0 | 35 | 2 | 0 | 37 | 2 | 0 | 24 | 0 | 26 | 50 | 45 | 0 | 0 | 95 | 158 |
| 05:45 PM | 0 | 50 | 0 | 0 | 50 | 3_ | 0 | 41 | . 0 | 44 | 38 | 37 | 0 | 0. | 75 | 169 |
| Total | 0 | 171 | 11 | 0 | 182 | 16 | 0 | 205 | 0 | 221 | 186 | 219 | 0 | 0 | 405 | 808 |
| | | | | | | | | | | | | | | | | |
| 06:00 PM | 0 | 59 | 1 | 0 | 60 | 3 | 0 | 98 | 0 | 101 | 24 | 50 | 0 | 0 | 74 | 235 |
| 06:15 PM | 0 | 50 | 3 | 0 | 53 | 2 | 0 | 33 | 0 | 35 | 49 | 39 | 0 | 0 | 88 | 176 |
| 06:30 PM | 0 | 30 | 1 | 0 | 31 | 1 | 0 | 48 | 0 | 49 | 48 | 37 | 0 | 0 | 85 | 165 |
| 06:45 PM | 0 | 28 | 2 | 0 | 30 | 0 | 0 | 20 | 0 | 20 | 65 | 33 | 0 | 0 | 98 | 148 |
| Total | 0 | 167 | 7 | 0 | 174 | 6 | 0 | 199 | 0 | 205 | 186 | 159 | 0 | 0 - | 345 | 724 |
| 1 | | | | | 1 | | | | | 1 | | | _ | _ | | |
| Grand Total | 0 | 338 | 18 | 0 | 356 | 22 | 0 | 404 | 0 | 426 | 372 | 378 | 0 | 0 | 750 | 1532 |
| Apprch % | 0 | 94.9 | 5.1 | 0 | ĺ | 5.2 | 0 | 94.8 | 0 | | 49.6 | 50.4 | 0 | 0 | | |
| Total % | 00 | 22.1 | 1.2 | . 0 | 23.2 | 1.4 | 0 | 26.4 | 0 | 27.8 | 24.3 | 24.7 | 0 | 0 | 49 | |
| Cars | 0 | 328 | 18 | 0 | 346 | 21 | 0 | 391 | 0 | 412 | 352 | 378 | 0 | 0 | 730 | 1488 |
| % Cars | 0 | 97 | 100 | 0_ | 97.2 | 95.5 | 0_ | 96.8 | 0 | 96.7 | 94.6 | 100 | 0 | 0 | 97.3 | 97.1 |
| Trucks | 0 | 10 | 0 | 0 | 10 | 1 | 0 | 13 | 0 | 14 | 20 | 0 | 0 | 0 | 20 | 44 |
| % Trucks | 0 | 3 | 0 | 0 | 2.8 | 4.5 | 0 | 3.2 | 0 | 3.3 | 5.4 | 0 | 0 | 0 | 2.7 | 2.9 |



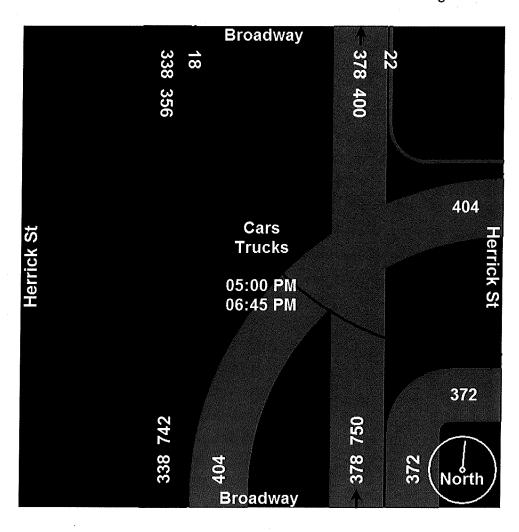
610 466-1469 TSTData.com

Location: Rensselaer, New York Intersection: Broadway @ Herrick St

Date: Friday, June 13, 2014 Counter: BK

File Name: Broadway 4 Friday

Site Code : 0004 Start Date : 6/13/2014



610 466-1469 TSTData.com

Location: Rensselaer, New York Intersection: Broadway @ Herrick St

Date: Friday, June 13, 2014

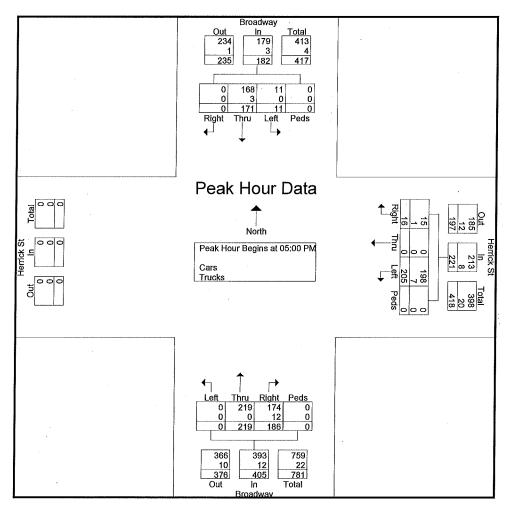
Counter: BK

File Name: Broadway 4 Friday

Site Code : 0004

Start Date : 6/13/2014

| | | | 3roadwa outhbou | , | | | - | Herrick S Vestbou | | | | | Broadwa Iorthbou | • | | |
|------------------|-------------|----------|--------------------|----------|-------------|-------|------|----------------------|------|------------|-------|------|---------------------|------|------------|------------|
| Start Time | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Int. Total |
| Peak Hour Analys | sis From | 05:00 PN | /I to 06:4 | 5 PM - I | Peak 1 of 1 | | | | | | | | • | | | |
| Peak Hour for En | tire Inters | ection B | egins at | 05:00 P | Μ. | | | | | | | | | | | |
| 05:00 PM | 0 | 43 | 6 | 0 | 49 | 8 | 0 · | 94 | 0 | 102 | -34 | 63 | 0 | 0 | 97 | 248 |
| 05:15 PM | 0 | 43 | 3 | 0 | 46 | 3 | 0 | 46 | 0 | 49 | 64 | 74 | 0 | 0 | 138 | 233 |
| 05:30 PM | 0 | 35 | 2 | 0 | 37 | 2 | 0 | 24 | 0 | 26 | 50 | 45 | 0 | 0 | 95 | 158 |
| 05:45 PM | . 0 | 50 | 0 | 0 | 50 | 3 | 0_ | 41 | 0 | 44 | 38 | 37 | 0 | 0 | 75 | 169 |
| Total Volume | 0 | 171 | 11. | 0 | 182 | 16 | 0 | 205 | 0 | 221 | 186 | 219 | 0 | 0 | 405 | 808 |
| % App. Total | 0 | 94 | 6 | 0 | | 7.2 | 0 | 92.8 | 0 | | 45.9 | 54.1 | 0 | 0 | | |
| PHF | .000 | .855 | .458 | .000 | .910 | .500 | .000 | .545 | .000 | .542 | .727 | .740 | .000 | .000 | .734 | .815 |
| Cars | 0 | 168 | 11 | 0 | 179 | 15 | 0 | 198 | 0 | 213 | 174 | 219 | 0 | . 0 | 393 | 785 |
| % Cars | 0 | 98.2 | 100 | 0 | 98.4 | 93.8 | 0 | 96.6 | 0 | 96.4 | 93.5 | 100 | 0 | 0 | 97.0 | 97.2 |
| Trucks | 0. | 3 | 0 | 0 | 3 | 1 | 0 | 7 | 0 | 8 | . 12 | 0 | 0 | 0 | 12 | 23 |
| % Trucks | 0 | 1.8 | 0 | 0 | 1.6 | 6.3 | 0 | 3.4 | 0 | 3.6 | 6.5 | 0 - | 0 | 0. | 3.0 | 2.8 |



TSTData.com

Location: Rensselaer, New York

Intersection: Broadway @ Washington St

Date: Friday, June 13, 2014

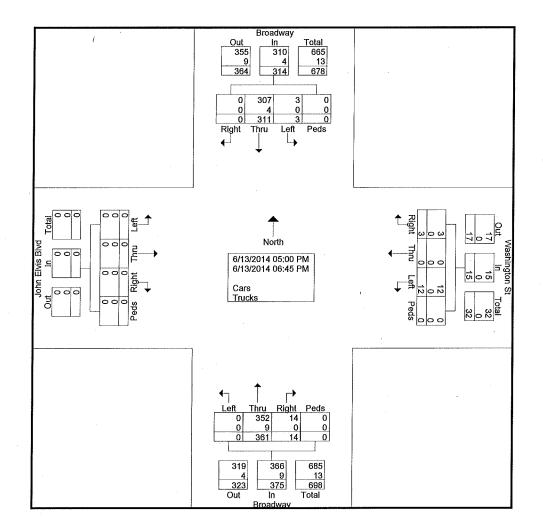
Counter: MB

File Name: Broadway 5 Friday

Site Code : 05

Start Date : 6/13/2014

| | | | | | | | | Gı | roups I | Printed- | Cars - | Trucks | 3 | | | | | | | | |
|-------------|-------|------|--------|------|------------|-------|------|---------|---------|------------|--------|--------|---------|------|------------|-------|------|---------|------|------------|------------|
| | | Е | Broadw | ay | | | Was | shingte | on St | | | В | roadw | ay | | | Joh | n Elvis | Blvd | | 1 |
| | | Sc | uthbo | und | | | W | estbo | und | | | No | orthbou | und | | | E | astbou | ınd | | |
| Start Time | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Int. Total |
| 05:00 PM | 0 | 35 | 2 | 0 | 37 | 0 | 0 | 4 | 0 | 4 | 5 | 63 | 0 | 0 | 68 | 0 | 0 | 0 | 0 | 0 | 109 |
| 05:15 PM | 0 | 40 | 1 | 0 | 41 | 0 | 0 | 1 | 0 | 1 | 2 | 69 | 0 | 0 | 71 | . 0 | 0 | 0 | 0 | 0 | 113 |
| 05:30 PM | 0 | 38 | 0 | 0 | 38 | 0 | 0 | 2 | 0 | 2 | 1 | 41 | 0 | 0 | 42 | 0 | 0 | 0 | 0 | 0 | 82 |
| 05:45 PM | 0 | 44 | 0 | 0 | 44 | 1 | 0 | 0 | 0 | 1 | 0 | 37 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 0 | 82 |
| Total | 0 | 157 | 3 | 0 | 160 | 1 | 0 | 7 | 0 | 8 | 8 | 210 | 0 | 0 | 218 | 0 | 0 | 0 | 0 | 0 | 386 |
| | | | | | | | | | | | | | | | | | | | | | |
| 06:00 PM | 0 | 51 | 0 | 0 | 51 | 2 | 0 | 1 | 0 | 3 | 1 | 50 | 0 | 0 | 51 | 0 | 0 | 0 | 0 | 0 | 105 |
| 06:15 PM | 0 | 55 | 0 | 0 | 55 | 0 | 0 | 2 | 0 | 2 | 2 | 42 | 0 | 0 | 44 | 0 | 0 | 0 | 0 | 0 | 101 |
| 06:30 PM | 0 | 26 | 0 | 0 | 26 | 0 | Ô | 0 | 0 | 0 | 1 | 31 | 0 | 0 | 32 | 0 | 0 | 0 | 0 | 0 | 58 |
| 06:45 PM | 0 | 22 | 0 | 0 | 22 | 0 | 0 | 2 | 0 | 2 | 2 | 28 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 54 |
| Total | 0 | 154 | 0 | 0 | 154 | 2 | 0 | 5 | 0 | 7 | 6 | 151 | 0 | 0 | 157 | 0 | 0 | 0 | 0 | 0 | 318 |
| | | | | | | | | | | | | | | | | | | | | | |
| Grand Total | 0 | 311 | 3 | 0 | 314 | 3 | 0 | 12 | 0 | 15 | 14 | 361 | 0 | 0 | 375 | 0 | 0 | 0 | 0 | 0 | 704 |
| Apprch % | 0 | 99 | 1 | 0 | | 20 | 0 | 80 | 0 | | 3.7 | 96.3 | 0 | 0 | | 0 | 0 | 0 | 0 | | |
| Total % | 0 | 44.2 | 0.4 | 0 | 44.6 | 0.4 | 0 | 1.7 | 0 | 2.1 | 2 | 51.3 | 0 | 0 | 53.3 | 0 | 0 | 0 | 0 | 0 | |
| Cars | 0 | 307 | 3 | 0 | 310 | 3 | 0 | 12 | . 0 | 15 | 14 | 352 | 0 | 0 | 366 | 0 | 0 | 0 | 0 | 0 | 691 |
| % Cars | 0 | 98.7 | 100 | 0 | 98.7 | 100 | . 0 | 100 | 0 | 100 | 100 | 97.5 | 0 | 0 | 97.6 | 0 | 0 | 0 | 0 | 0 | 98.2 |
| Trucks | 0 | 4 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 13 |
| % Trucks | 0 | 1.3 | 0 | 0 | 1.3 | 0 | 0 | 0 | 0 | 0 | 0 | 2.5 | 0 | 0 | 2.4 | 0 | 0 | 0 | 0 | 0 | 1.8 |



TSTData.com

Location: Rensselaer, New York

Intersection: Broadway @ Washington St

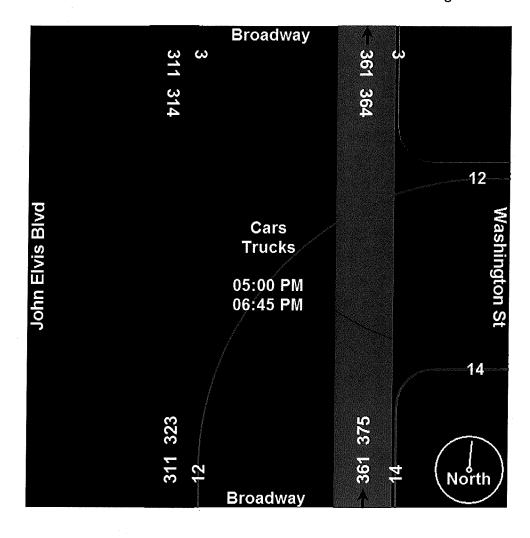
Date: Friday, June 13, 2014

Counter: MB

File Name: Broadway 5 Friday

Site Code : 05

Start Date : 6/13/2014



610 466-1469 TSTData.com

Location: Rensselaer, New York

Intersection: Broadway @ Washington St

Date: Friday, June 13, 2014

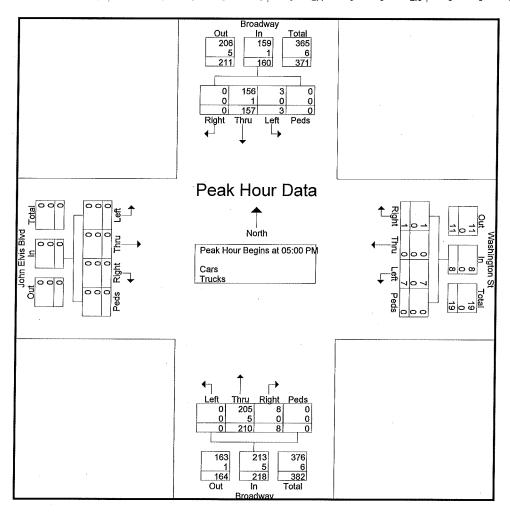
Counter: MB

File Name: Broadway 5 Friday

Site Code : 05

Start Date : 6/13/2014

| | | | Broadw | | | | | shingto | | | | | Broadw | | | | | n Elvis | | | Ī |
|--------------|----------|--------|---------|--------|------------|----------|----------|---------|------|------------|-------|------|--------|------|------------|-------|------|---------|------|------------|------------|
| l | ļ., | - ગ | outhbo | una | | | VV | estbou | ına | | | N | orthbo | una | | | ᆫ | astbou | ına | | |
| Start Time | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Int. Total |
| Peak Hour A | nalysis | From (| 05:00 F | M to 0 | 6:45 PN | 1 - Peal | < 1 of 1 | | | | | | | | | | ' | | | | |
| Peak Hour fo | r Entire | Inters | ection | Begins | at 05:0 | 0 PM | | | | | | | | | | | | | _ | | |
| 05:00 PM | 0 | 35 | 2 | 0 | 37 | 0 | 0 | 4 | 0 | 4 | 5 | 63 | 0 | 0 | 68 | 0 | 0 | 0 | • 0 | 0 | 109 |
| 05:15 PM | 0 | 40 | 1 | . 0 | 41 | 0 | 0 | 1 | 0 | 1 | 2 | 69 | 0 | 0 | 71 | 0 | 0 | Ó | 0 | 0 | 113 |
| 05:30 PM | 0 | 38 | 0 | - 0 | 38 | 0 | 0 | 2 | 0 | 2 | 1 | 41 | 0 | 0 | 42 | 0 | 0 | 0 | 0 | 0 | 82 |
| 05:45 PM | 0 | 44 | 0 | 0 | 44 | 1 | 0 | 0 | 0 | 1 | 0 | 37 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 0 | 82 |
| Total Volume | 0 | 157 | 3 | 0 | 160 | 1 | 0 | 7 | 0 | 8 | 8 | 210 | 0 | 0 | 218 | 0 | 0 | 0 | 0 | 0 | 386 |
| % App. Total | 0 | 98.1 | 1.9 | 0 | | 12.5 | 0 | 87.5 | 0 | | 3.7 | 96.3 | 0 | 0 | | 0 | 0 | 0 | 0 | | |
| PHF | .000 | .892 | .375 | .000 | .909 | .250 | .000 | .438 | .000 | .500 | .400 | .761 | .000 | .000 | .768 | .000 | .000 | .000 | .000 | .000 | .854 |
| Cars | 0 | 156 | 3 | 0 | 159 | 1 | 0 | 7 | 0 | 8 | 8 | 205 | 0 | 0 | 213 | 0 | 0 | 0 | 0 | 0 | 380 |
| % Cars | 0 | 99.4 | 100 | 0 | 99.4 | 100 | 0 | 100 | 0 | 100 | 100 | 97.6 | 0 | 0 | 97.7 | 0 | 0 | 0 | 0 | 0 | 98.4 |
| Trucks | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 6 |
| % Trucks | 0 | 0.6 | 0 | 0 | 0.6 | 0 | 0 | 0 | 0 | 0 | 0 | 2,4 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | 0 | 1.6 |



610 466-1469 TSTData.com

Location: Rensselaer, New York

Intersection: Broadway @ Washington St

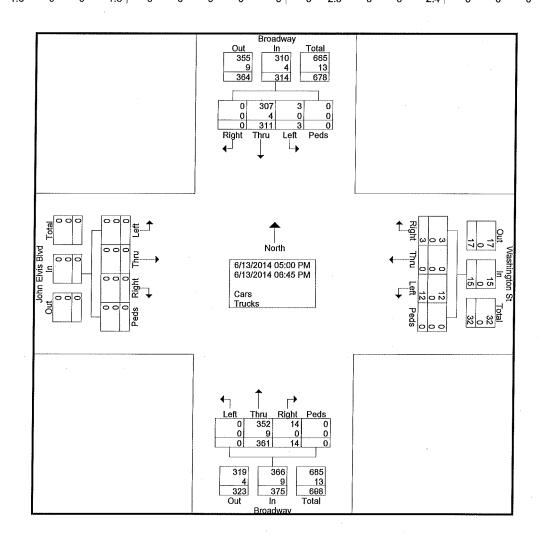
Date: Friday, June 13, 2014 Counter: MB

File Name: Broadway 5 Friday

Site Code: 05

Start Date : 6/13/2014

| | | | | | | | | G | roups F | Printed- | Cars - | Trucks | 3 | | | | | | | | |
|-------------|-------|------|--------|------|------------|-------|------|--------|---------|------------|--------|--------|--------|------|------------|-------|------|---------|------|------------|------------|
| | | E | 3roadw | ay | | | Was | shingt | on St | | | E | Broadw | /ay | | | Johi | n Elvis | Blvd | | |
| | | S | outhbo | und | | | W | estbo | und | | | N | orthbo | und | | | E | astbou | ınd | | |
| Start Time | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Int. Total |
| 05:00 PM | 0 | 35 | 2 | 0 | 37 | 0 | 0 | 4 | 0 | 4 | 5 | 63 | 0 | 0 | 68 | 0 | 0 | 0 | 0 | 0 | 109 |
| 05:15 PM | 0 | 40 | 1 | 0 | 41 | 0 | 0 | 1 | 0 | 1 | 2 | 69 | 0 | 0 | 71 | 0 | 0 | 0 | 0 | 0 | 113 |
| 05:30 PM | 0 | 38 | 0 | . 0 | 38 | 0 | 0 | 2 | 0 | 2 | 1 | 41 | 0 | 0 | 42 | 0 | 0 | 0 | 0 | 0 | 82 |
| 05:45 PM | 0 | 44 | 0 | 0 | 44 | 1 | 0 | 0 | 0 | 1 | 0 | 37 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 0 | 82 |
| Total | 0 | 157 | 3 | 0 | 160 | 1 | 0 | 7 | 0 | 8 | 8 | 210 | 0 | 0 | 218 | 0 | 0 | 0 | 0 | 0 | 386 |
| | | | | | | | | | | | | | | | | | | | | | |
| 06:00 PM | 0 | 51 | 0 | 0 | 51 | 2 | 0 | 1 | 0 | 3 | 1 | 50 | 0 | 0 | 51 | 0 | 0 | 0 | 0 | 0 | 105 |
| 06:15 PM | 0 | 55 | 0 | 0 | 55 | 0 | 0 | 2 | 0 | 2 | 2 | 42 | 0 | 0 | 44 | 0 | 0 | 0 | 0 | 0 | 101 |
| 06:30 PM | 0 | 26 | 0 | 0 | 26 | 0 | 0 | 0 | 0 | 0 | 1 | 31 | 0 | 0 | 32 | 0 | 0 | 0 | 0 | 0 | 58 |
| 06:45 PM | 0 | 22 | 0 | 0 | 22 | 0 | 0 | 2 | 0 | 2 | 2 | 28 | 0 | 0 | 30 | 0 | 0 | 0 | 0 | 0 | 54 |
| Total | 0 | 154 | 0 | 0 | 154 | 2 | 0 | 5 | 0 | 7 | 6 | 151 | 0 | 0 | 157 | 0 | 0 | 0 | 0 | 0 | 318 |
| | | | | | | | | | | | | | | | | | | | | | |
| Grand Total | 0 | 311 | 3 | 0 | 314 | 3 | 0 | 12 | 0 | 15 | 14 | 361 | . 0 | 0 | 375 | 0 | 0 | 0 | 0 | . 0 | 704 |
| Apprch % | 0 | 99 | 1 | 0 | | 20 | 0 | 80 | 0 | | 3.7 | 96.3 | 0 | 0 | | 0 | 0 | 0 | 0 | | |
| Total % | 0 | 44.2 | 0.4 | 0 | 44.6 | 0.4 | 0 | 1.7 | 0 | 2.1 | 2 | 51.3 | 0 | 0 | 53.3 | 0 | 0 | 0 | 0 | 0 | |
| Cars | 0 | 307 | 3 | 0 | 310 | 3 | 0 | 12 | 0 | 15 | 14 | 352 | 0 | 0 | 366 | 0 | 0 | 0 | 0 | 0 | 691 |
| % Cars | 0 | 98.7 | 100 | 0 | 98.7 | 100 | 0 | 100 | 0 | 100 | 100 | 97.5 | 0 | 0 | 97.6 | 0 | 0 | 0 | 0 | 0 | 98.2 |
| Trucks | 0 | 4 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 13 |
| % Trucks | 0 | 1.3 | 0 | 0 | 1.3 | 0 | 0 | 0 | 0 | 0 | 0 | 2.5 | 0 | 0 | 2.4 | 0 | 0 | 0 | 0 | 0 | 1.8 |



610 466-1469 TSTData.com

Location: Rensselaer, New York

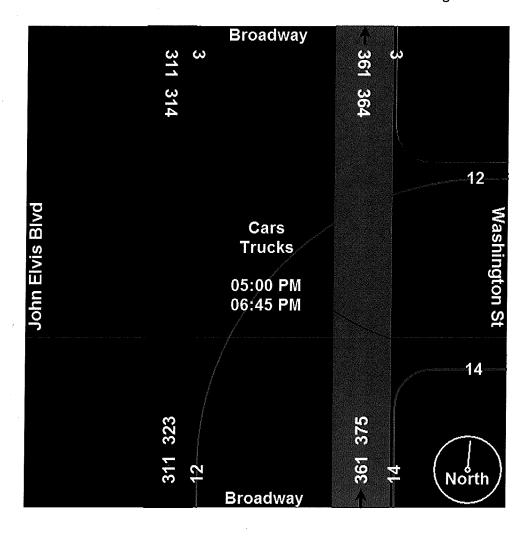
Intersection: Broadway @ Washington St

Date: Friday, June 13, 2014 Counter: MB

File Name: Broadway 5 Friday

Site Code : 05

Start Date : 6/13/2014



610 466-1469 TSTData.com

Location: Rensselaer, New York

Intersection: Broadway @ Washington St

Date: Friday, June 13, 2014

Counter: MB

File Name: Broadway 5 Friday

Site Code : 05

Start Date : 6/13/2014

| | | | roadw outhbo | , | | | | shingto estboo | | | | | roadw orthbo | | , | , | | n Elvis astboเ | | | |
|---------------|----------|--------|-----------------|--------|------------|-------|----------|-------------------|------|------------|-------|------|-----------------|------|------------|-------|------|-------------------|------|------------|------------|
| Start Time | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | Right | Thru | Left | Peds | App. Total | înt. Total |
| Peak Hour Ar | | | | | | | (1 of 1 | | | | | | | | | | | | | | |
| Peak Hour for | r Entire | Inters | ection | Begins | at 05:0 | 0 PM | | | | | | | | | | | | | | | |
| 05:00 PM | 0 | . 35 | 2 | 0 | 37 | 0 | 0 | 4 | 0 | 4 | 5 | 63 | 0 | 0 | 68 | 0 | . 0 | 0 | 0 | 0 | 109 |
| 05:15 PM | 0 | 40 | 1 | 0 | 41 | 0 | 0 | 1 | 0 | 1 | 2 | 69 | 0 | 0 | 71 | 0 | 0 | . 0 | 0 | 0 | 113 |
| 05:30 PM | 0 | 38 | 0 | 0 | 38 | 0 | 0 | 2 | 0 | 2 | 1 | 41 | 0 | 0 | 42 | 0 | 0 | 0 | 0 | 0 | 82 |
| 05:45 PM | 0 | 44 | 0 | 0 | 44 | 1 | 0 | 0 | 0 | 1 | 0 | 37 | 0 | 0 | 37 | 0 | 0 | 0 | 0 | 0 | 82 |
| Total Volume | 0 | 157 | 3 | 0 | 160 | 1 | 0 | 7 | 0 | 8 | 8 | 210 | 0 | 0 | 218 | 0 | 0 | 0 | 0 | 0 | 386 |
| % App. Total | 0 | 98.1 | 1.9 | 0 | | 12.5 | 0 | 87.5 | 0 | | 3.7 | 96.3 | 0 | 0 | | 0 | 0 | 0 | 0 | | |
| PHF | .000 | .892 | .375 | .000 | .909 | .250 | .000 | .438 | .000 | .500 | .400 | .761 | .000 | .000 | .768 | .000 | .000 | .000 | .000 | .000 | .854 |
| Cars | 0 | 156 | 3 | 0 | 159 | 1 | 0 | 7 | 0 | 8 | 8 | 205 | 0 | 0 | 213 | 0 | 0 | 0 | 0 | 0 | 380 |
| % Cars | 0 | 99.4 | 100 | 0 | 99.4 | 100 | 0 | 100 | 0 | 100 | 100 | 97.6 | 0 | 0 | 97.7 | 0 | 0 | 0 | 0 | 0 | 98.4 |
| Trucks | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 6 |
| % Trucks | 0 | 0.6 | 0 | 0 | 0.6 | 0 | 0 | .0 | 0 | 0 | 0 | 2.4 | 0 | 0 | 2.3 | 0 | 0 | 0 | 0 | . 0 | 1.6 |

