## (D) DAVENPORT

## TECHNICAL MEMORANDUM

Dollar General Briggs Road<br>Salisbury NC

Prevared for
Teramore Development

# Transportation Technical Memorandum 

## Dollar General Briggs Road Salisbury, NC

## Prepared for Teramore Development September 30, 2022

Analysis by: Alex Some



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## Transportation Technical Memorandum Dollar General Briggs Road Development September 30, 2022

The proposed Dollar General Briggs Road Development is to be located on the northwest of the intersection of NC 150 (Mooresville Road) at Briggs Road in Salisbury, NC. The proposed Dollar General is planned to be a 10,665 square foot building. Based on the site plan, the proposed development will have one (1) access point on Briggs Road. This analysis seeks to determine if an access on Briggs Road will be feasible and if any traffic impacts will affect the vicinity area.

Mooresville Road is a two-lane road and approximately 21 feet wide with a speed limit of 50 MPH . Briggs Road is a two-lane road and approximately 20 feet wide with a speed limit of 50 MPH . The predominant land uses in the study area are residential and farmland. The AADT on Mooresville Road is 4,500 vehicles per day in 2020. Briggs Road has an AADT of 3,800 vehicles per day in 2020.

The expected build-out year for this development is 2024 with a $2.0 \%$ annual growth rate. Turning movement counts were taken at the intersection on 9/7/2022 while schools were in session.

The proposed development is expected to generate less than the NCDOT's Driveway Manual standard to conduct a transportation impact analysis (TIA) of 3,000 vehicles per day. Though a TIA is not required, a capacity analysis was requested to determine the operation of the main intersection and site access.

## Vehicular Trip Generation

The trip generation potential of this site was projected based on the $10^{\text {th }}$ Edition of the ITE Trip Generation Manual. Table 1 presents the results.

| Land Use | Intensity | Data Source | Average Daily Traffic (vehicles per day) | AM Peak Hour (vehicles per day) |  | PM Peak Hour (vehicles per day) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Enter | Exit | Enter | Exit |
| 815 - FreeStanding Discount Store | $\begin{gathered} \text { 10,665 Sq. Ft. } \\ \text { GFA. } \end{gathered}$ | Adjacent/ Equation | 566 | 8 | 4 | 26 | 25 |
| Pass-by Reduction (17\% PM) |  |  | - | 0 | 0 | -4 | -4 |
| Adjusted Trips |  |  | - |  | 4 | 22 | 21 |

The trip distribution and site trip figures can be found in the appendix.

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## Capacity Analysis

Based on a capacity analysis for the intersection using Synchro 10 software based on HCM $6^{\text {th }}$ methodology, the intersection is expected to operate at LOS E or better in all existing and future conditions. Table 2A displays the results of capacity analysis.

| Table 2A - Level of Service Summary |  |  |  |
| :---: | :---: | :---: | :---: |
| AM Peak | 2022 Base Year | 2024 No Build | 2024 Build |
| Mooresville Road at Briggs Road | C (22.3) <br> SB <br> Approach | C (23.4) <br> SB <br> Approach | C (24.1) <br> SB <br> Approach |
| PM Peak | 2022 Base Year | 2024 No Build | 2024 Build |
| Mooresville Road at Briggs Road | D (32.4) <br> SB <br> Approach | E (35.4) <br> SB <br> Approach | E (43.0) <br> SB <br> Approach |
| Note for unsignalized conditions, LOS (delay in seconds) |  |  |  |
| longest delay |  |  |  |

The intersection of Briggs Road and the site access is anticipated to perform at LOS B in both the AM and PM peaks under future-build conditions. Table 2B displays the results of the capacity analysis.

| Table 2B - Level of Service Summary |  |  |  |
| :---: | :---: | :---: | :---: |
| AM Peak | 2022 Base Year | 2043 No Build | 2024 Build |
| Briggs Road at Site Access |  |  | B (10.1) <br> EB Approach |
| PM Peak | 2022 Base Year | 2024 No Build | 2023 Build |
| Briggs Road at Site Access |  | B (10.4) <br> EB Approach |  |
| Note for unsignalized conditions, LOS (delay in seconds) |  |  |  |
| and delay indicates only minor street approach with |  |  |  |

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## Sight Distance

DAVENPORT carried out on-site field investigation of the proposed site access on Lee Road. Looking east there is clear sight distance to the intersection of Briggs Road which is approximately 500 feet from the proposed site access.

| Table 3 - Sight Distance Review |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Direction | Measured <br> SSD | Estimated <br> Grades | AASHTO <br> Required SSD | Measured <br> ISD | AASHTO <br> Required ISD |  |
| Site Access at Briggs Road |  |  |  |  |  |  |
| Looking north (left) | 725 feet | $-1 \%$ | 570 feet | 750 feet | 665 feet |  |
| Looking south (right) | 250 feet | $-2 \%$ | 570 feet | 250 feet | 575 feet |  |
| SSD: Stopping Sight Distance, ISD: Intersection Sight Distance |  |  |  |  |  |  |

## Recommendations

Based on the projected volumes, the site access will not warrant a turn lane according to the NCDOT Driveway Manual. The development has already been issued a driveway permit from NCDOT; therefore, it is recommended to construct the driveway 250 feet north from the intersection of NC 150 (Mooresville Road) at Briggs Road.

It has been brought to our attention that there are concerns with queuing along Briggs Road by the Fire Department located on NC 150 across from the proposed development. DAVENPORT expanded the scope of work to observe this intersection with an in-person site visit as well as recording Briggs Road for 48 hours. During the one-hour morning site visit, the maximum queue was six cars for approximately 150 feet. The queue was cleared in under a minute. Clearing the queue is from the last car in line to enter the intersection. During the 48-hour recordings, queues were observed in the AM and PM peaks. Both peaks averaged 10 cars at approximately 200 feet on Briggs Road. The average time to clear the queue was 90 seconds. Though queues were observed on Briggs Road, it should be noted that it is expected for minor roadways maneuvering onto a major roadway while finding gaps for left turn movements. The proposed development will not adversely affect the roadway

It is recommended that the site access should be constructed to NCDOT design requirements.

## Conclusion

In conclusion, the analysis indicates this development is not expected to have a detrimental impact on traffic operations in the vicinity. Based on the driveway permit granted, it is recommended to construct the access 250 feet east from the intersection of NC 150 (Mooresville Road) at Briggs Road. Please note that the proposed access should be designed in accordance with NCDOT standards.




FIGURE 3
EXISTING LANE

Project Number 220091


## LEGEND

BLACK $=$ EXISTING

AM / PM PEAKS
$L_{N}$


FIGURE 4

## 2022 EXISTING TRAFFIC

 VOLUMESDollar General Development Salisbury, NC




## LEGEND

BLACK $=$ EXISting

AM / PM PEAKS
$L_{N}$


## 2024 FUTURE NO BUILD

 VOLUMESDollar General Development Salisbury, NC


## LEGEND





FIGURE 7B
PASSBY SITE TRIPS

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## FIGURE 8

2024 FUTURE BUILD vOLUMES

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FIGURE 9
RECOMMENDED IMPROVEMENTS

Project Number 220091

Trip Generation Summary

Alternative: Alternative 1

| Phase: | Open Date: $9 / 12 / 2022$ |
| :--- | ---: |
| Project: 220091 | Analysis Date: $9 / 12 / 2022$ |


|  | Weekday Average Daily Trips |  |  |  | Weekday AM Peak Hour of Adjacent Street Traffic |  |  |  | Weekday PM Peak Hour of Adjacent Street Traffic |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ITE Land Use | * | Enter | Exit | Total | * | Enter | Exit | Total | * | Enter | Exit | Total |
| $\begin{array}{lll}815 & \text { STOREDISC } 1 \\ & 10.66 \quad 1000 \text { Sq. Ft. GFA }\end{array}$ |  | 283 | 283 | 566 |  | 8 | 4 | 12 |  | 26 | 25 | 51 |
| Unadjusted Volume |  | 283 | 283 | 566 |  | 8 | 4 | 12 |  | 26 | 25 | 51 |
| Internal Capture Trips |  | 0 | 0 | 0 |  | 0 | 0 | 0 |  | 0 | 0 | 0 |
| Pass-By Trips |  | 0 | 0 | 0 |  | 0 | 0 | 0 |  | 4 | 4 | 8 |
| Volume Added to Adjacent Streets |  | 283 | 283 | 566 |  | 8 | 4 | 12 |  | 22 | 21 | 43 |

Total Weekday Average Daily Trips Internal Capture $=0$ Percent
Total Weekday AM Peak Hour of Adjacent Street Traffic Internal Capture $=0$ Percent
Total Weekday PM Peak Hour of Adjacent Street Traffic Internal Capture $=0$ Percent



| Intersection |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Int Delay, s/veh | 4.7 |  |  |  |  |  |
| Movement | EBL | EBT | WBT | WBR | SBL | SBR |
| Lane Configurations |  | $\mathbf{4}$ | F |  | M |  |
| Traffic Vol, veh/h | 34 | 348 | 225 | 127 | 141 | 27 |
| Future Vol, veh/h | 34 | 348 | 225 | 127 | 141 | 27 |
| Conflicting Peds, \#/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Free | Free | Free | Free | Stop | Stop |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | - | - | - | 0 | - |
| Veh in Median Storage, \# | - | 0 | 0 | - | 0 | - |
| Grade, \% | - | 0 | 0 | - | 0 | - |
| Peak Hour Factor | 90 | 90 | 90 | 90 | 90 | 90 |
| Heavy Vehicles, \% | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 38 | 387 | 250 | 141 | 157 | 30 |




| Major/Minor | Major1 | Major2 |  | Minor2 |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Conflicting Flow All | 396 | 0 | - | 0 | 790 | 323 |
| Stage 1 | - | - | - | - | 323 | - |
| Stage 2 | - | - | - | - | 467 | - |
| Critical Hdwy | 4.12 | - | - | - | 6.42 | 6.22 |
| Critical Hdwy Stg 1 | - | - | - | - | 5.42 | - |
| Critical Hdwy Stg 2 | - | - | - | - | 5.42 | - |
| Follow-up Hdwy | 2.218 | - | - | -3.518 | 3.318 |  |
| Pot Cap-1 Maneuver | 1163 | - | - | - | 359 | 718 |
| $\quad$ Stage 1 | - | - | - | - | 734 | - |
| Stage 2 | - | - | - | - | 631 | - |
| Platoon blocked, \% |  | - | - | - |  |  |
| Mov Cap-1 Maneuver | 1163 | - | - | - | 343 | 718 |
| Mov Cap-2 Maneuver | - | - | - | - | 343 | - |
| Stage 1 | - | - | - | - | 702 | - |
| Stage 2 | - | - | - | - | 631 | - |


| Approach | EB | WB | SB |
| :--- | ---: | ---: | ---: |
| HCM Control Delay, s | 0.8 | 0 | 24.1 |
| HCM LOS |  | C |  |


| Minor Lane/Major Mvmt | EBL | EBT | WBT | WBR SBLn1 |  |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Capacity (veh/h) | 1163 | - | - | - | 375 |
| HCM Lane V/C Ratio | 0.034 | - | - | -0.507 |  |
| HCM Control Delay (s) | 8.2 | 0 | - | -24.1 |  |
| HCM Lane LOS | A | A | - | - | C |
| HCM 95th \%tile Q(veh) | 0.1 | - | - | - | 2.8 |


| Intersection |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |



| Intersection |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Int Delay, s/veh | 6.3 |  |  |  |  |  |
| Movement | EBL | EBT | WBT | WBR | SBL | SBR |
| Lane Configurations |  | -1 | $\uparrow$ |  | Mr |  |
| Traffic Vol, veh/h | 38 | 268 | 370 | 159 | 150 | 38 |
| Future Vol, veh/h | 38 | 268 | 370 | 159 | 150 | 38 |
| Conflicting Peds, \#/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Free | Free | Free | Free | Stop | Stop |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | - | - | - | 0 | - |
| Veh in Median Storage, \# | - | 0 | 0 | - | 0 | - |
| Grade, \% | - | 0 | 0 | - | 0 | - |
| Peak Hour Factor | 90 | 90 | 90 | 90 | 90 | 90 |
| Heavy Vehicles, \% | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 42 | 298 | 411 | 177 | 167 | 42 |


| Major/Minor | Major1 | Major2 |  |  | Minor2 |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: | :---: |
| Conflicting Flow All | 588 | 0 | - | 0 | 882 | 500 |  |
| Stage 1 | - | - | - | - | 500 | - |  |
| Stage 2 | - | - | - | - | 382 | - |  |
| Critical Hdwy | 4.12 | - | - | - | 6.42 | 6.22 |  |
| Critical Hdwy Stg 1 | - | - | - | - | 5.42 | - |  |
| Critical Hdwy Stg 2 | - | - | - | - | 5.42 | - |  |
| Follow-up Hdwy | 2.218 | - | - | - | 3.518 | 3.318 |  |
| Pot Cap-1 Maneuver | 987 | - | - | - | 317 | 571 |  |
| $\quad$ Stage 1 | - | - | - | - | 609 | - |  |
| Stage 2 | - | - | - | - | 690 | - |  |
| Platoon blocked, \% |  | - | - | - |  |  |  |
| Mov Cap-1 Maneuver | 987 | - | - | - | 301 | 571 |  |
| Mov Cap-2 Maneuver | - | - | - | - | 301 | - |  |
| Stage 1 | - | - | - | - | 578 | - |  |
| Stage 2 | - | - | - | - | 690 | - |  |


| Approach | EB | WB | SB |
| :--- | ---: | ---: | ---: |
| HCM Control Delay, s | 1.1 | 0 | 32.4 |
| HCM LOS |  |  | D |


| Minor Lane/Major Mvmt | EBL | EBT | WBT | WBR SBLn1 |  |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Capacity (veh/h) | 987 | - | - | -333 |  |
| HCM Lane V/C Ratio | 0.043 | - | - | -0.627 |  |
| HCM Control Delay (s) | 8.8 | 0 | - | -32.4 |  |
| HCM Lane LOS | A | A | - | - | D |
| HCM 95th \%tile Q(veh) | 0.1 | - | - | - | 4 |


| Intersection |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Int Delay, s/veh | 6.9 |  |  |  |  |  |
| Movement | EBL | EBT | WBT | WBR | SBL | SBR |
| Lane Configurations |  | -1 | $\mathbf{F}$ |  | Mr |  |
| Traffic Vol, veh/h | 39 | 274 | 378 | 163 | 154 | 39 |
| Future Vol, veh/h | 39 | 274 | 378 | 163 | 154 | 39 |
| Conflicting Peds, \#/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Free | Free | Free | Free | Stop | Stop |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | - | - | - | 0 | - |
| Veh in Median Storage, \# | - | 0 | 0 | - | 0 | - |
| Grade, \% | - | 0 | 0 | - | 0 | - |
| Peak Hour Factor | 90 | 90 | 90 | 90 | 90 | 90 |
| Heavy Vehicles, \% | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 43 | 304 | 420 | 181 | 171 | 43 |


| Major/Minor | Major1 |  | Major2 |  | Minor2 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Conflicting Flow All | 601 | 0 | - | 0 | 901 | 511 |
| Stage 1 | - | - | - | - | 511 | - |
| Stage 2 | - | - | - | - | 390 | - |
| Critical Hdwy | 4.12 | - | - | - | 6.42 | 6.22 |
| Critical Hdwy Stg 1 | - | - | - | - | 5.42 | - |
| Critical Hdwy Stg 2 | - | - | - | - | 5.42 | - |
| Follow-up Hdwy | 2.218 | - | - | - | 3.518 | 3.318 |
| Pot Cap-1 Maneuver | 976 | - | - | - | 309 | 563 |
| Stage 1 | - | - | - | - | 602 | - |
| Stage 2 | - | - | - | - | 684 | - |
| Platoon blocked, \% |  | - | - | - |  |  |
| Mov Cap-1 Maneuver | 976 | - | - | - | 293 | 563 |
| Mov Cap-2 Maneuver | - | - | - | - | 293 | - |
| Stage 1 | - | - | - | - | 570 | - |
| Stage 2 | - | - | - | - | 684 | - |
|  |  |  |  |  |  |  |
| Approach | EB |  | WB |  | SB |  |
| HCM Control Delay, s | 1.1 |  | 0 |  | 35.4 |  |
| HCM LOS |  |  |  |  | E |  |
|  |  |  |  |  |  |  |
| Minor Lane/Major Mvmt |  | EBL | EBT | WBT | WBR SBLn1 |  |
| Capacity (veh/h) |  | 976 | - | - | - | 324 |
| HCM Lane V/C Ratio |  | 0.044 | - | - | - | 0.662 |
| HCM Control Delay (s) |  | 8.9 | 0 | - | - | 35.4 |
| HCM Lane LOS |  | A | A | - | - | E |
| HCM 95th \%tile Q(veh) |  | 0.1 | - | - | - | 4.4 |


| Intersection |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |
| Int Delay, s/veh | 8.7 |  |  |  |  |  |
| Movement | EBL | EBT | WBT | WBR | SBL | SBR |
| Lane Configurations |  | -1 | F |  | Mr |  |
| Traffic Vol, veh/h | 44 | 276 | 378 | 173 | 166 | 44 |
| Future Vol, veh/h | 44 | 276 | 378 | 173 | 166 | 44 |
| Conflicting Peds, \#/hr | 0 | 0 | 0 | 0 | 0 | 0 |
| Sign Control | Free | Free | Free | Free | Stop | Stop |
| RT Channelized | - | None | - | None | - | None |
| Storage Length | - | - | - | - | 0 | - |
| Veh in Median Storage, $\#$ | - | 0 | 0 | - | 0 | - |
| Grade, \% | - | 0 | 0 | - | 0 | - |
| Peak Hour Factor | 90 | 90 | 90 | 90 | 90 | 90 |
| Heavy Vehicles, $\%$ | 2 | 2 | 2 | 2 | 2 | 2 |
| Mvmt Flow | 49 | 307 | 420 | 192 | 184 | 49 |


| Major/Minor | Major1 |  | Major2 |  | Minor2 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Conflicting Flow All | 612 | 0 | - | 0 | 921 | 516 |
| Stage 1 | - | - | - | - | 516 | - |
| Stage 2 | - | - | - | - | 405 | - |
| Critical Hdwy | 4.12 | - | - | - | 6.42 | 6.22 |
| Critical Hdwy Stg 1 | - | - | - | - | 5.42 | - |
| Critical Hdwy Stg 2 | - | - | - | - | 5.42 | - |
| Follow-up Hdwy | 2.218 | - | - | - | 3.518 | 3.318 |
| Pot Cap-1 Maneuver | 967 | - | - | - | 300 | 559 |
| Stage 1 | - | - | - | - | 599 | - |
| Stage 2 | - | - | - | - | 673 | - |
| Platoon blocked, \% |  | - | - | - |  |  |
| Mov Cap-1 Maneuver | 967 | - | - | - | 282 | 559 |
| Mov Cap-2 Maneuver | - | - | - | - | 282 | - |
| Stage 1 | - | - | - | - | 562 | - |
| Stage 2 | - | - | - | - | 673 | - |
|  |  |  |  |  |  |  |
| Approach | EB |  | WB |  | SB |  |
| HCM Control Delay, s | 1.2 |  | 0 |  | 43 |  |
| HCM LOS |  |  |  |  | E |  |
|  |  |  |  |  |  |  |
| Minor Lane/Major Mvmt |  | EBL | EBT | WBT | WBR SBLn1 |  |
| Capacity (veh/h) |  | 967 | - | - | - | 315 |
| HCM Lane V/C Ratio |  | 0.051 | - | - | - | 0.741 |
| HCM Control Delay (s) |  | 8.9 | 0 | - | - | 43 |
| HCM Lane LOS |  | A | A | - | - | E |
| HCM 95th \%tile Q(veh) |  | 0.2 | - | - | - | 5.6 |


| Intersection |  |  |  |  |  |  |
| :--- | ---: | ---: | ---: | ---: | ---: | ---: |



Intersection: 100: SR- 150 (Mooresville Road) \& Briggs Road

| Movement | EB | WB | SB |
| :--- | ---: | ---: | ---: |
| Directions Served | LT | TR | LR |
| Maximum Queue (ft) | 61 | 2 | 104 |
| Average Queue (ft) | 9 | 0 | 45 |
| 95th Queue (ft) | 38 | 2 | 81 |
| Link Distance (ft) | 3959 | 4700 | 3777 |
| Upstream Blk Time (\%) |  |  |  |
| Queuing Penalty (veh) |  |  |  |
| Storage Bay Dist (ft) |  |  |  |
| Storage Blk Time (\%) |  |  |  |
| Queuing Penalty (veh) |  |  |  |
|  |  |  |  |
| Network Summary |  |  |  |

Intersection: 100: SR- 150 (Mooresville Road) \& Briggs Road

| Movement | EB | WB | SB |
| :--- | ---: | ---: | ---: |
| Directions Served | LT | TR | LR |
| Maximum Queue (ft) | 59 | 2 | 105 |
| Average Queue (ft) | 10 | 0 | 46 |
| 95th Queue (ft) | 38 | 2 | 84 |
| Link Distance (ft) | 3959 | 4700 | 3777 |
| Upstream Blk Time (\%) |  |  |  |
| Queuing Penalty (veh) |  |  |  |
| Storage Bay Dist (ft) |  |  |  |
| Storage Blk Time (\%) |  |  |  |
| Queuing Penalty (veh) |  |  |  |
|  |  |  |  |
| Network Summary |  |  |  |

Intersection: 100: SR- 150 (Mooresville Road) \& Briggs Road

| Movement | EB | WB | SB |
| :--- | ---: | ---: | ---: |
| Directions Served | LT | TR | LR |
| Maximum Queue (ft) | 63 | 4 | 108 |
| Average Queue (ft) | 12 | 0 | 47 |
| 95th Queue (ft) | 42 | 3 | 84 |
| Link Distance (ft) | 3959 | 4700 | 196 |
| Upstream Blk Time (\%) |  |  |  |
| Queuing Penalty (veh) |  |  |  |
| Storage Bay Dist (ft) |  |  |  |
| Storage Blk Time (\%) |  |  |  |

Intersection: 200: Briggs Road \& Site Access

| Movement | EB | NB |
| :--- | ---: | ---: |
| Directions Served | LR | LT |
| Maximum Queue (ft) | 36 | 18 |
| Average Queue (ft) | 8 | 1 |
| 95th Queue (ft) | 30 | 11 |
| Link Distance (ft) | 1788 | 250 |
| Upstream Blk Time (\%) |  |  |
| Queuing Penalty (veh) |  |  |
| Storage Bay Dist (ft) |  |  |
| Storage Blk Time (\%) |  |  |
| Queuing Penalty (veh) |  |  |
|  |  |  |
| Network Summary |  |  |
| Network wide Queuing Penalty: 0 |  |  |

Intersection: 100: SR- 150 (Mooresville Road ) \& Briggs Road

| Movement | EB | WB | SB |
| :--- | ---: | ---: | ---: |
| Directions Served | LT | TR | LR |
| Maximum Queue (tt) | 84 | 6 | 141 |
| Average Queue (ft) | 18 | 0 | 56 |
| 95th Queue (ft) | 57 | 4 | 107 |
| Link Distance (tt) | 3959 | 4700 | 3777 |
| Upstream Blk Time (\%) |  |  |  |
| Queuing Penalty (veh) |  |  |  |
| Storage Baa Dist (tt) |  |  |  |
| Storage Blk Time (\%) |  |  |  |
| Queuing Penalty (veh) |  |  |  |
| Network Summary |  |  |  |
| Network wide Queuing Penalty: 0 |  |  |  |

Intersection: 100: SR- 150 (Mooresville Road) \& Briggs Road

| Movement | EB | WB | SB |
| :--- | ---: | ---: | ---: |
| Directions Served | LT | TR | LR |
| Maximum Queue (ft) | 90 | 4 | 146 |
| Average Queue (ft) | 18 | 0 | 59 |
| 95th Queue (ft) | 59 | 3 | 114 |
| Link Distance (ft) | 3959 | 4700 | 3777 |
| Upstream Blk Time (\%) |  |  |  |
| Queuing Penalty (veh) |  |  |  |
| Storage Bay Dist (ft) |  |  |  |
| Storage Blk Time (\%) |  |  |  |
| Queuing Penalty (veh) |  |  |  |
|  |  |  |  |
| Network Summary |  |  |  |

Intersection: 100: SR- 150 (Mooresville Road) \& Briggs Road

| Movement | EB | WB | SB |
| :--- | ---: | ---: | ---: |
| Directions Served | LT | TR | LR |
| Maximum Queue (ft) | 80 | 16 | 163 |
| Average Queue (ft) | 19 | 1 | 69 |
| 95th Queue (ft) | 57 | 8 | 130 |
| Link Distance (ft) | 3959 | 4700 | 196 |
| Upstream Blk Time (\%) |  |  | 0 |
| Queuing Penalty (veh) |  |  | 0 |
| Storage Bay Dist (ft) |  |  |  |
| Storage Blk Time (\%) |  |  |  |
| Queuing Penalty (veh) |  |  |  |

Intersection: 200: Briggs Road \& Site Access

| Movement | EB | NB | SB |
| :--- | ---: | ---: | ---: |
| Directions Served | LR | LT | TR |
| Maximum Queue (ft) | 40 | 40 | 5 |
| Average Queue (ft) | 15 | 5 | 0 |
| 95th Queue (ft) | 42 | 24 | 5 |
| Link Distance (ft) | 1788 | 250 | 2417 |
| Upstream Blk Time (\%) |  |  |  |
| Queuing Penalty (veh) |  |  |  |
| Storage Bay Dist (ft) |  |  |  |
| Storage Blk Time (\%) |  |  |  |
| Queuing Penalty (veh) |  |  |  |
|  |  |  |  |
| Network Summary |  |  |  |
| Network wide Queuing Penalty: 0 |  |  |  |

