

# PLAN AMENDMENT/ REZONING REPORT

| ► FILE #: 2-J-24-RZ  |  | AGENDA ITEM #: 34  |
|--|--|--|
| 2-E-24-SP  | (REVISED)  | AGENDA DATE: 2/8/2024  |
| APPLICANT:   | SMITHBILT HOMES  |  |
| OWNER(S):  | Josh Sanderson Smithbilt Homes   |  |
| TAX ID NUMBER:   | 22 00514   | View map on KGIS   |
| JURISDICTION:  | Commission District 8  |  |
| STREET ADDRESS:  | 6701 ROBERTS RD  |  |
| ► LOCATION:  | West side of Roberts Rd, north of Wa   | ashington Pike   |
| ► TRACT INFORMATION:   | 74.73 acres.   |  |
| SECTOR PLAN:   | Northeast County   |  |
| GROWTH POLICY PLAN:  | Rural Area   |  |
| ACCESSIBILITY:   | Access is via Roberts Rd, a major colle<br>20 ft within a 50-ft right-of-way.  | ctor street with a pavement width of   |
| UTILITIES:   | Water Source: Northeast Knox Utility   | / District   |
|  | Sewer Source: Knoxville Utilities Boa  | rd   |
| WATERSHED:   | Flat Creek   |  |
|  |  |  |
| PRESENT PLAN<br>DESIGNATION/ZONING   | AG (Agricultural) / A (Agricultural)<br>:  |  |
|  | :<br>LDR (Low Density Residential) / PR (  | Planned Residential)   |
| DESIGNATION/ZONING<br>PROPOSED PLAN  | :<br>LDR (Low Density Residential) / PR (  | Planned Residential)   |
| DESIGNATION/ZONING<br>PROPOSED PLAN<br>DESIGNATION/ZONING  | :<br>LDR (Low Density Residential) / PR (<br>:   | Planned Residential)   |
| DESIGNATION/ZONING PROPOSED PLAN DESIGNATION/ZONING EXISTING LAND USE:   | : LDR (Low Density Residential) / PR (<br>: Agriculture/Forestry/Vacant Land<br>3 du/ac<br>Yes, this is a minor extension of the PR  | zone from the south. However, this   |
| <ul> <li>DESIGNATION/ZONING</li> <li>PROPOSED PLAN<br/>DESIGNATION/ZONING</li> <li>EXISTING LAND USE:</li> <li>DENSITY PROPOSED:<br/>EXTENSION OF PLAN</li> </ul>  | : LDR (Low Density Residential) / PR (<br>: Agriculture/Forestry/Vacant Land<br>3 du/ac<br>Yes, this is a minor extension of the PR  | zone from the south. However, this   |
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|  | AGENDA ITEM #: | 34 | FILE #: 2-E-24-SP | 2/1/2024 12:55 PM | SAMIUL HAQUE | PAGE #: | 34-1 |
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### STAFF RECOMMENDATION:

- Deny the LDR (Low Density Residential) land use classifications because it would be out of character with the surrounding agricultural and rural residential area.
- Approve the PR (Planned Residential) zone, up to 1 du/ac, because it will be consistent with the surrounding development and a minor extension of the zone.

### COMMENTS:

SECTOR PLAN AMENDMENT REQUIREMENTS FROM GENERAL PLAN (May meet one of these):

CHANGES OF CONDITIONS WARRANTING AMENDMENT OF THE LAND USE PLAN:

1. There have been no recent changes in the area that warrant an amendment to the sector plan.

2. There are no other properties in the vicinity with the LDR classification. The requested land use will be out of character with the surrounding area which has the AG (Agricultural) classification.

INTRODUCTION OF SIGNIFICANT NEW ROADS OR UTILITIES THAT WERE NOT ANTICIPATED IN THE PLAN AND MAKE DEVELOPMENT MORE FEASIBLE:

1. No new roads or additional utilities have been introduced in this area.

AN OBVIOUS OR SIGNIFICANT ERROR OR OMISSION IN THE PLAN:

1. There are no apparent errors or omissions in the sector plan with regards to the requested LDR classification here.

2. The adjacent residential development to the south, Mari-Ben Acres Subdivision, was approved for a sector plan amendment from AG/RR to LDR in 2002 (3-A-02-SP), though Planning staff had recommended denial. That property was reclassified as AG in a later sector plan update.

3. If a sector plan amendment were to be approved, staff recommends approval of the RR (Rural Residential) land use classification since this would be supported by the Growth Policy Plan. However, the Northeast County Sector Plan recommends a density of 1 du/ac for the RR classification, so an amendment to the RR classification will not grant any higher density than the present AG classification.

TRENDS IN DEVELOPMENT, POPULATION OR TRAFFIC THAT WARRANT RECONSIDERATION OF THE ORIGINAL PLAN PROPOSAL:

1. The area is mostly characterized by farmlands and rural residential uses. Over the last 20 years, several agricultural/vacant lands have been transformed into low density residential uses. However, those developments have been consistent with the current AG classification and the development pattern does not warrant reconsideration of the sector plan to the LDR land use classification.

### OTHER CONSIDERATIONS:

1. The requested LDR classification is not compatible with the property's location within the Rural Area boundary of the Growth Policy Plan.

2. An amendment to either of the LDR or RR classification could be considered a 'spot' amendment for this location. If a sector plan amendment is contemplated in this vicinity, a larger area should be considered.

State law regarding amendments of the general plan (which includes Sector Plan amendments) was changed with passage of Public Chapter 1150 by the Tennessee Legislature in 2008. The law now provides for two methods to amend the plan at TCA 13-3-304:

- The Planning Commission may initiate an amendment by adopting a resolution and certifying the amendment to the Legislative Body. Once approved by majority vote of the Legislative Body, the amendment is operative.

- The Legislative Body may also initiate an amendment and transmit the amendment to the Planning Commission. Once the Planning Commission has considered the proposed amendment and approved, not approved, or taken no action, the Legislative Body may approve the amendment by majority vote and the amendment is operative.

| AGENDA ITEM #: 34 | FILE #: 2-E-24-SP | 2/1/2024 12:55 PM | SAMIUL HAQUE | PAGE #: | 34-2 |
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|                   |                   |                   |              |         |      |

PURSUANT TO THE KNOX COUNTY ZONING ORDINANCE, ARTICLE 6.30.01: THE FOLLOWING CONDITIONS MUST BE MET FOR ALL REZONINGS (must meet all of these):

THE PROPOSED AMENDMENT SHALL BE NECESSARY BECAUSE OF SUBSTANTIALLY CHANGED OR CHANGING CONDITIONS IN THE AREA AND DISTRICTS AFFECTED, OR IN THE COUNTY GENERALLY: 1. The area has experienced relatively slow growth over the last 20 years, with several agricultural/vacant lands transforming into low density residential uses. Nonetheless, the proposed rezoning will be a minor extension of the zone and the recommended density will be consistent with the surrounding area.

THE PROPOSED AMENDMENT SHALL BE CONSISTENT WITH THE INTENT AND PURPOSE OF THE APPLICABLE ZONING ORDINANCE:

1. The PR zone is intended to provide flexibility for different types of residential development.

2. Houses, duplexes, and multi-dwelling structures and developments are permitted in the PR zone along with some nonresidential uses. At the recommended density of 1 du/ac, a maximum of 74 dwelling units could be built. This is consistent with the minimum lot size requirement of the current Agricultural zone as well (1 acre for each house).

3. Rezonings should be based on the entire range of uses allowed within a zone to ensure that any development brought forth at a future time would be compatible with the surrounding land uses.

THE PROPOSED AMENDMENT SHALL NOT ADVERSELY AFFECT ANY OTHER PART OF THE COUNTY, NOR SHALL ANY DIRECT OR INDIRECT ADVERSE EFFECTS RESULT FROM SUCH AMENDMENT. 1. The proposed rezoning at the recommended density of 1 du/ac will be compatible with the surrounding rural residential and single family residential developments.

2. Any development under the PR zone would be subject to a Development Plan approval by the Planning Commission to ensure that the development does not have any significant adverse effects.

3. The existing pond on the property appears to be waters of the state which could be subject to Knox County Stormwater Ordinance regulations during the Development Plan phase.

THE PROPOSED AMENDMENT SHALL BE CONSISTENT WITH AND NOT IN CONFLICT WITH THE GENERAL PLAN OF KNOXVILLE AND KNOX COUNTY, INCLUDING ANY OF ITS ELEMENTS, MAJOR ROAD PLAN, LAND USE PLAN, COMMUNITY FACILITIES PLAN, AND OTHERS:

1. The proposed PR zone is consistent with the subject property's location in the Rural Area of The Growth Policy Plan.

The recommended density of 1 du/ac are consistent with the AG land use classification of the sector plan.
 The proposed rezoning is consistent with the General Plan's development policy 9.3 that encourages new development to be compatible with existing neighborhoods and communities.

ESTIMATED TRAFFIC IMPACT: 2119 (average daily vehicle trips)

Average Daily Vehicle Trips are computed using national average trip rates reported in the latest edition of "Trip Generation," published by the Institute of Transportation Engineers. Average Daily Vehicle Trips represent the total number of trips that a particular land use can be expected to generate during a 24-hour day (Monday through Friday), with a "trip" counted each time a vehicle enters or exits a proposed development.

ESTIMATED STUDENT YIELD: 95 (public school children, grades K-12)

Schools affected by this proposal: Corryton Elementary, Gibbs Middle, and Gibbs High.

• Potential new school population is estimated using locally-derived data on public school student yield generated by new housing.

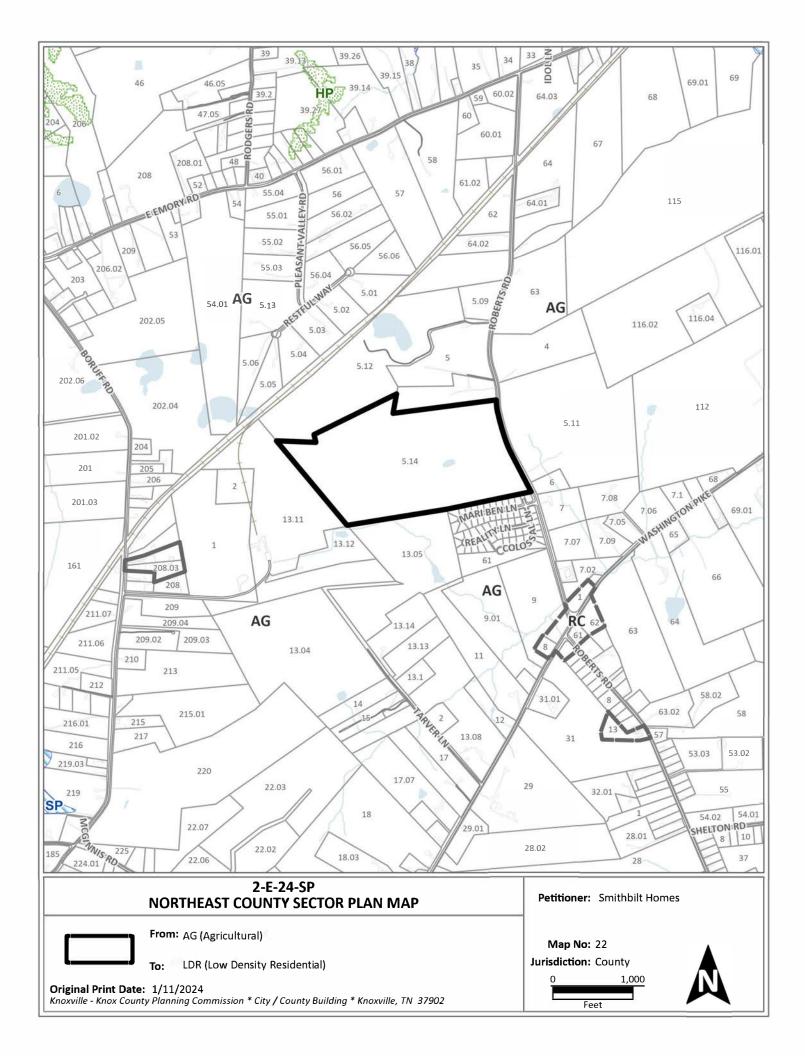
• Students are assigned to schools based on current attendance zones as determined by Knox County Schools. Students may request transfers to different zones, and zone boundaries are subject to change.

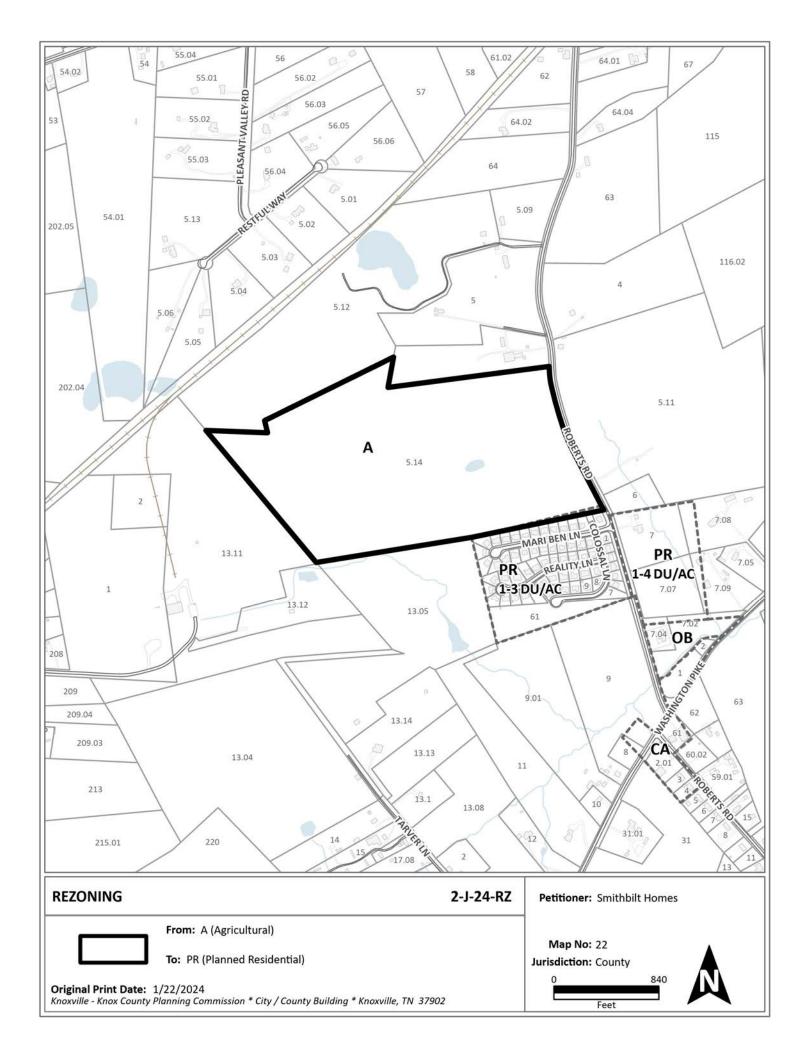
• Estimates presume full build-out of the proposed development. Build-out is subject to market forces, and timing varies widely from proposal to proposal.

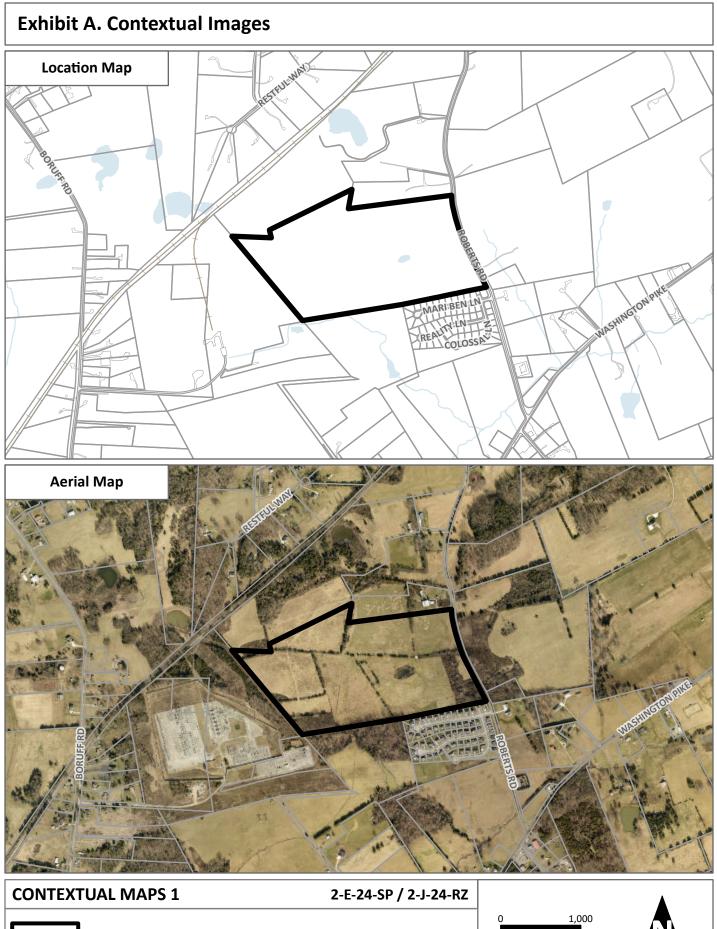
• Student yields from new development do not reflect a net addition of children in schools. Additions occur incrementally over the build-out period. New students may replace current population that ages through the system or moves from the attendance zone.

If approved, this item will be forwarded to Knox County Commission for action on 3/25/2024. If denied, Knoxville-Knox County Planning Commission's action is final, unless the action to deny is appealed to Knox County Commission. The date of the appeal hearing will depend on when the appeal application is filed. Appellants have 30 days to appeal a Planning Commission decision in the County.

| AGENDA ITEM #: | 34 | FILE #: 2-E-24-SP |
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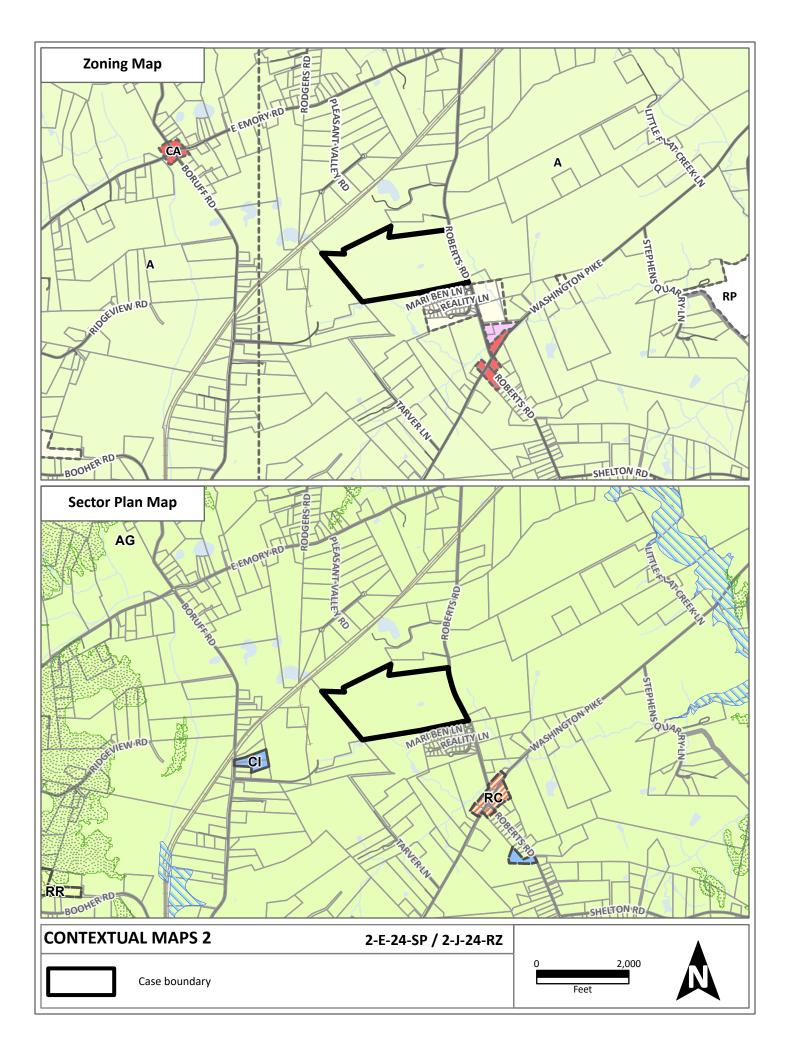


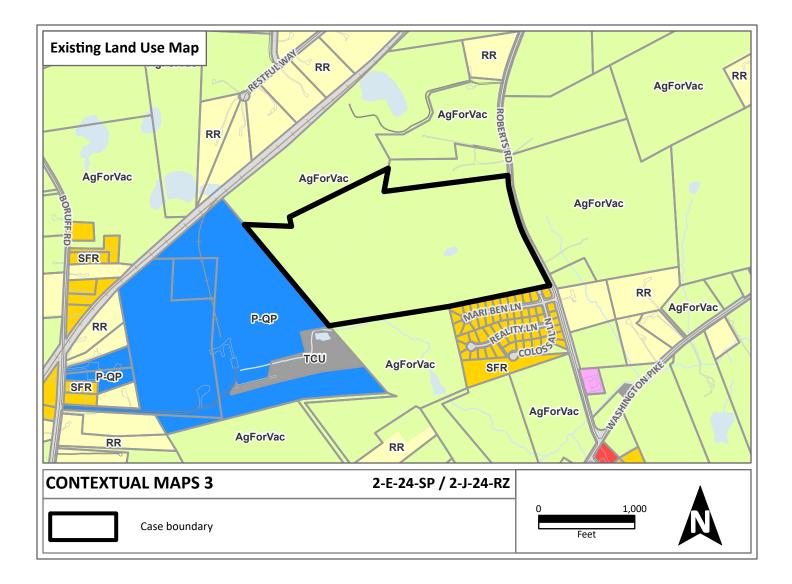




Feet







Traffic Impact Letter Roberts Road Residential (CCI Project # 1203-0003)

December 21, 2023

Mr. Josh Sanderson Smithbilt Homes 4907 Ball Road Knoxville, Tennessee 37931

### RE: Traffic Impact Letter – Roberts Road Residential (Mari Ben Subdivision) Parcel ID #022 00514 Knox County, Tennessee

Dear Mr. Sanderson:

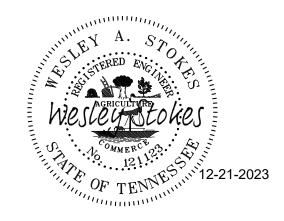
Cannon & Cannon, Inc is pleased to provide a preliminary impact assessment for the proposed rezoning of a parcel adjacent to the existing Mari Ben Subdivision located in the Corryton community of Knox County, Tennessee. Discussions with Knoxville-Knox County Planning determined a Traffic Impact Letter (TIL) is required due to rezoning within the "Rural Area" portion of Knox County according to the Growth Policy Plan. The intent of this TIL is to determine the adequacy of the adjacent roadway network and evaluate anticipated traffic conditions for this development.

Please do not hesitate to contact us with any questions you may have or if you require additional information.

Sincerely, Cannon & Cannon, Inc.

Wesley Stokes

Wesley Stokes, P.E. Project Manager





# Project Description and Site Location

The parcel under consideration for rezoning is currently zoned as Agricultural land use and is proposed to be rezoned to Rural Residential. The parcel has a recorded deeded acreage of 74.73 acres. Under existing Agricultural zoning, 1 unit per acre is allowed to be developed. A proposed rezoning to Rural Residential would allow up to 3 dwelling units per acre.

Although a site plan is not yet available for this proposed project, developer representatives have indicated that access to the project will occur via tying into an existing stub-out within the Mari Ben Subdivision and an additional full movement access onto Roberts Road north of Mari Ben Lane. FIGURE 1 is a Site Location Map that shows the proposed project site in relation to major roadways in the area.

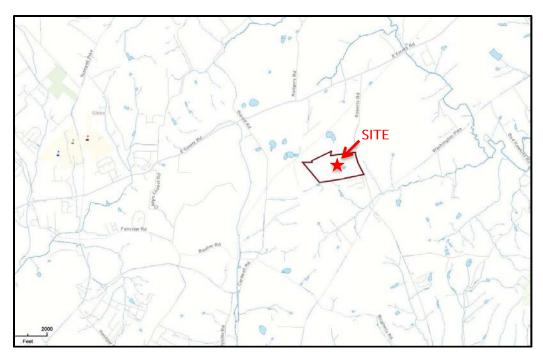


FIGURE 1 - SITE LOCATION MAP

# **Existing Roadway Conditions**

Roberts Road is a two-lane marked roadway that extends from Emory Road (TN-331) to Rutledge Pike (US-11W). Within the vicinity of the proposed development, Roberts Road is classified as a Major Collector according to the Knox County Major Road Plan. The roadway width varies between 20 and 21 feet in the study vicinity with a posted speed limit of 40 mph and no curb and gutter.

Emory Road (SR 331) and Washington Pike are two-lane marked roadways within the vicinity of the proposed development. Emory Road (SR 331) Road is classified as a Major Arterial and Washington Pike is classified as a Minor Arterial according to the Knox County Major Road Plan. The roadway widths vary between 20 and 22 feet in the study vicinity and have posted speed limits of 45 mph and no curb and gutter.



# Existing Traffic Data

Two types of existing traffic data were gathered for this study - annual average daily traffic (AADT) and turning movement counts. The Tennessee Department of Transportation (TDOT) collects annual average daily traffic (AADT) data on roadways in the study area. Three count stations were found near the project site that were felt to have relevance for this study. The most currently available data from this station is contained in Table 1.

| TABLE 1:      | TABLE 1: ANNUAL AVERAGE DAILY TRAFFIC COUNT SUMMARY             |   |  |  |  |  |  |  |  |  |  |  |
|---------------|---|---|--|--|--|--|--|--|--|--|--|--|
| COUNT<br>YEAR | TDOT COUNT STATION<br>47000566<br>ROBERTS ROAD<br>NORTH OF SITE | TDOT COUNT STATION<br>47000011<br>SR331 – EMORY ROAD<br>NORTH OF SITE | TDOT COUNT STATION<br>47000018<br>WASHINGTON PIKE<br>SOUTH OF SITE |  |  |  |  |  |  |  |  |  |
| 2018          | 2,575   | 2,773   | 3,731  |  |  |  |  |  |  |  |  |  |
| 2019          | 2,397   | 2,520   | 3,812  |  |  |  |  |  |  |  |  |  |
| 2020          | 2,129   | 2,724   | 3,637  |  |  |  |  |  |  |  |  |  |
| 2021          | 2,391   | 1,972   | 3,456  |  |  |  |  |  |  |  |  |  |
| 2022          | 2,573   | 2,239   | 3,484  |  |  |  |  |  |  |  |  |  |

In addition to the available AADT data, intersection turning movement traffic counts were collected at the intersections of Roberts Road at Emory Road (SR 331), Mari Ben Lane at Roberts Road, and Roberts Road at Washington Pike on November 29, 2023. The count summary sheets are contained in the attached Supplemental Information.

# Existing Average Daily Traffic Capacity Analysis

Average Daily Traffic level analysis was performed utilizing Florida Department of Transportation's (FDOT) Multimodal Quality/Level of Service Handbook. The information provided in this handbook provides a generalized level of service analysis for roadways based on AADT volumes. For the purposes of this TIL, the 2022 AADT data was utilized for the analysis. TABLE 2 provides a summary of the existing LOS for the project area roadways based on FDOT's *"Table 4-1: Generalized Annual Average Daily Volumes."* 

| TABLE 2:       ANNUAL AVERAGE DAILY TRAFFIC – EXISTING ANALYSIS |                  |                          |                               |                     |  |  |  |  |  |  |
|---|------------------|--------------------------|-------------------------------|---------------------|--|--|--|--|--|--|
| ROADWAY<br>NAME   | ROADWAY<br>CLASS | AVERAGE DAILY<br>TRAFFIC | NEXT HIGHEST<br>FDOT CAPACITY | LEVEL OF<br>SERVICE |  |  |  |  |  |  |
| Roberts Road  | Major Collector  | 2,573                    | 7,280                         | Better than LOS C   |  |  |  |  |  |  |
| Emory Road  | Major Arterial   | 2,239                    | 3,360                         | LOS B               |  |  |  |  |  |  |
| Washington Pike   | Minor Arterial   | 3,484                    | 7,280                         | Better than LOS C   |  |  |  |  |  |  |



# Trip Generation Summary

In order to estimate the expected traffic volumes to be generated by the proposed development, the procedures of *Trip Generation*, 11<sup>th</sup> Edition (Institute of Transportation Engineers-ITE) were utilized. The generated traffic volumes were determined based on the AM and PM peak hours of adjacent street traffic. A comparison was made between the existing Agricultural land use of 1 dwelling unit / acre and the proposed Rural Residential land use of 3 dwelling units / acre. The difference between the two land uses is shown in TABLE 3.

| ITE LAND | LAND USE           | SIZE   | DAILY | AM P  | еак н | OUR   | PM PEAK HOUR |      |       |  |
|----------|--------------------|--------|-------|-------|-------|-------|--------------|------|-------|--|
| USE CODE | SCENARIO           | SIZE   | DAILT | Enter | Exit  | Total | Enter        | Exit | Total |  |
| 210      | Proposed<br>Zoning | 224 DU | 2,112 | 39    | 118   | 157   | 133          | 78   | 211   |  |
| 210      | Existing<br>Zoning | 74 DU  | 698   | 13    | 39    | 52    | 44           | 26   | 70    |  |
| DIFFE    | RENCE              | 150 DU | 1,414 | 26    | 79    | 105   | 89           | 52   | 141   |  |

### TABLE 3: TRIP GENERATION SUMMARY

# Build-out Average Daily Traffic Capacity Analysis

In order to evaluate the build-out average daily traffic capacity analysis, the trip generation scenario for the proposed zoning was added to the existing AADT volumes for the surrounding roadway network. Since the proposed development is single-family residential, the anticipated trip distribution from the proposed residential development is believed to have a directional split like that of the existing Mari Ben Subdivision. Based on a review of the turning movement counts performed at the intersection of Mari Ben Lane at Roberts Road, roughly 30% of the proposed daily traffic will travel north to the intersection of Roberts Road at Emory Road and roughly 70% of the proposed daily traffic will travel south to the intersection of Roberts Road at Washington Pike. TABLE 4 provides a summary of the build-out LOS for the project area roadways based on FDOT's *"Table 4-1: Generalized Annual Average Daily Volumes."* (Provided in the Supplemental Information) As can be seen, the increase in traffic associated with the proposed rezoning remains within the same level of service for each of the roadways in the project study area.

| TABLE 4: ANNUAL AVERAGE DAILY TRAFFIC – BUILD-OUT ANALYSIS |                  |                              |                               |                     |  |  |  |  |  |  |
|--|------------------|------------------------------|-------------------------------|---------------------|--|--|--|--|--|--|
| ROADWAY<br>NAME  | ROADWAY<br>CLASS | AVERAGE DAILY<br>TRAFFIC     | NEXT HIGHEST<br>FDOT CAPACITY | LEVEL OF<br>SERVICE |  |  |  |  |  |  |
| Roberts Road   | Major Collector  | 2,573 + 2,112 = <b>4,685</b> | 7,280                         | Better than LOS C   |  |  |  |  |  |  |
| Emory Road   | Major Arterial   | 2,239 + 634 = <b>2,873</b>   | 3,360                         | LOS B               |  |  |  |  |  |  |
| Washington Pike  | Minor Arterial   | 3,484 + 1,478 = <b>4,962</b> | 7,280                         | Better than LOS C   |  |  |  |  |  |  |



### Preliminary Turn Lane Assessments

The intersections of Roberts Road at Emory Road and Roberts Road at Washington Pike were preliminarily evaluated for turn lane needs. The intersection turning movement count data was utilized for baseline traffic volumes and the existing directional distribution splits at each intersection were mimicked for proposed traffic volumes utilized in the warrant determination. The resulting turn lane warrant analysis indicates that under existing conditions, neither a left turn lane nor right turn lane are warranted at either studied intersection.

Under build-out conditions, preliminary analysis indicates that right turn lanes will not be warranted during the AM and PM peak hours at either studied intersection. Preliminary analysis indicates that a left turn lane could potentially be warranted at the intersection of Roberts Road at Washington Pike during the PM peak hour. The resulting volumes do not meet the warrant thresholds for the AM peak hour. At the intersection of Roberts Road at Emory Road, the resulting volumes do not meet the left turn lane warrant thresholds for either peak hour.

The turn lane warrant sheets are provided in the Supplemental Information for Existing and Build-out conditions.

### Sight Distance Assessment

As previously mentioned, developer representatives have indicated that an additional full movement access point will be provided onto Roberts Road north of the intersection of Mari Ben Lane at Roberts Road. The exact location of the proposed access is undetermined at the time of preparing this TIL. With a posted speed limit of 40 mph, typical Knox County sight distance requirements indicate 400 feet of sight distance (10x the posted speed limit) will be required for newly created intersections. A desktop review of the property frontage along Roberts Road reveals that 400 feet of sight distance is likely achievable with the existing horizontal and vertical geometry present along Roberts Road. When the site plan for this project is developed, it is recommended to locate the proposed site driveway where sight distance requirements will be able to be met.

### **Conclusions and Recommendations**

It is concluded from this traffic impact letter that the proposed residential development will not result in any significant traffic operational concerns at the study intersections if the parcel were to be rezoned to Rural Residential at 3 dwelling units / acre. The AADT level of service analysis indicates similar roadway capacity operation between existing and build-out conditions. Additionally, the preliminary turn lane warrant assessment indicates a left turn lane at the intersection of Roberts Road at Washington Pike is potentially warranted during the PM peak hour under build-out conditions.



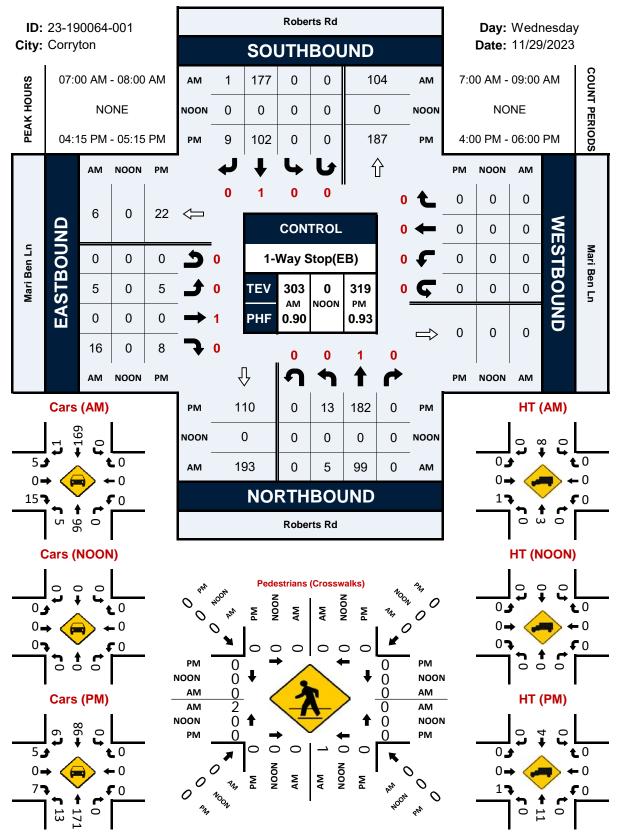
Traffic Impact Letter Roberts Road Residential (CCI Project # 1203-0003)

# SUPPLEMENTAL INFORMATION



# Roberts Rd & Mari Ben Ln

# Peak Hour Turning Movement Count



### Project ID: 23-190064-001 Location: Roberts Rd & Mari Ben Ln City: Corryton

|                  |      |      |       |     |        |      |            |      | G     | roups | Printed     | - Cars, | PU, Vai | ns - Hea | avy Tru | icks        |        |      |      |      |       |     |        |     |            |
|------------------|------|------|-------|-----|--------|------|------------|------|-------|-------|-------------|---------|---------|----------|---------|-------------|--------|------|------|------|-------|-----|--------|-----|------------|
|                  |      |      | Rober |     |        |      | Roberts Rd |      |       |       | Mari Ben Ln |         |         |          |         | Mari Ben Ln |        |      |      |      |       |     |        |     |            |
|                  |      |      | North |     |        |      |            |      | South |       |             |         |         |          |         | bound       |        |      |      |      | Westb |     |        |     |            |
| Start Time       | Left | Thru | 5     |     | Peds A |      | Left       | Thru | Rgt   |       | Peds #      |         | Left    | Thru     | Rgt     |             | Peds # |      | Left | Thru | Rgt   |     | Peds A |     | Int. Total |
| 7:00 AM          | 0    | 21   | 0     | 0   | 0      | 21   | 0          | 40   | 1     | 0     | 0           | 41      | 2       | 0        | 1       | 0           | 0      | 3    | 0    | 0    | 0     | 0   | 0      | 0   | 65         |
| 7:15 AM          | 0    | 18   | 0     | 0   | 1      | 18   | 0          | 43   | 0     | 0     | 0           | 43      | 2       | 0        | 9       | 0           | 2      | 11   | 0    | 0    | 0     | 0   | 0      | 0   | 72         |
| 7:30 AM          | 2    | 26   | 0     | 0   | 0      | 28   | 0          | 51   | 0     | 0     | 0           | 51      | 1       | 0        | 4       | 0           | 0      | 5    | 0    | 0    | 0     | 0   | 0      | 0   | 84         |
| 7:45 AM          | 3    | 34   | 0     | 0   | 0      | 37   | 0          | 43   | 0     | 0     | 0           | 43      | 0       | 0        | 2       | 0           | 0      | 2    | 0    | 0    | 0     | 0   | 0      | 0   | 82         |
| Total            | 5    | 99   | 0     | 0   | 1      | 104  | 0          | 177  | 1     | 0     | 0           | 178     | 5       | 0        | 16      | 0           | 2      | 21   | 0    | 0    | 0     | 0   | 0      | 0   | 303        |
| 8:00 AM          | 1    | 17   | 0     | 0   | 0      | 18   | 0          | 33   | 1     | 0     | 0           | 34      | 3       | 0        | 4       | 0           | 0      | 7    | 0    | 0    | 0     | 0   | 0      | 0   | 59         |
| 8:15 AM          | 0    | 23   | 0     | 0   | 0      | 23   | 0          | 27   | 0     | 0     | 0           | 27      | 0       | 0        | 1       | 0           | 0      | 1    | 0    | 0    | 0     | 0   | 0      | 0   | 51         |
| 8:30 AM          | 1    | 16   | 0     | 0   | 0      | 17   | 0          | 24   | 1     | 0     | 0           | 25      | 2       | 0        | 0       | 0           | 0      | 2    | 0    | 0    | 0     | 0   | 0      | 0   | 44         |
| 8:45 AM          | 1    | 24   | 0     | 0   | 0      | 25   | 0          | 17   | 1     | 0     | 0           | 18      | 0       | 0        | 2       | 0           | 0      | 2    | 0    | 0    | 0     | 0   | 0      | 0   | 45         |
| Total            | 3    | 80   | 0     | 0   | 0      | 83   | 0          | 101  | 3     | 0     | 0           | 104     | 5       | 0        | 7       | 0           | 0      | 12   | 0    | 0    | 0     | 0   | 0      | 0   | 199        |
| ***BREAK***      |      |      |       |     |        |      |            |      |       |       |             |         |         |          |         |             |        |      |      |      |       |     |        |     |            |
|                  |      |      |       |     |        |      |            |      |       |       |             |         |         |          |         |             |        |      |      |      |       |     |        |     |            |
| 4:00 PM          | 2    | 36   | 0     | 0   | 0      | 38   | 0          | 38   | 1     | 0     | 0           | 39      | 1       | 0        | 1       | 0           | 0      | 2    | 0    | 0    | 0     | 0   | 0      | 0   | 79         |
| 4:15 PM          | 1    | 50   | 0     | 0   | 0      | 51   | 0          | 23   | 1     | 0     | 0           | 24      | 1       | 0        | 3       | 0           | 0      | 4    | 0    | 0    | 0     | 0   | 0      | 0   | 79         |
| 4:30 PM          | 6    | 45   | 0     | 0   | 0      | 51   | 0          | 29   | 2     | 0     | 0           | 31      | 1       | 0        | 3       | 0           | 0      | 4    | 0    | 0    | 0     | 0   | 0      | 0   | 86         |
| 4:45 PM          | 3    | 39   | 0     | 0   | 0      | 42   | 0          | 26   | 3     | 0     | 0           | 29      | 1       | 0        | 1       | 0           | 0      | 2    | 0    | 0    | 0     | 0   | 0      | 0   | 73         |
| Total            | 12   | 170  | 0     | 0   | 0      | 182  | 0          | 116  | 7     | 0     | 0           | 123     | 4       | 0        | 8       | 0           | 0      | 12   | 0    | 0    | 0     | 0   | 0      | 0   | 317        |
| 5:00 PM          | 3    | 48   | 0     | 0   | 0      | 51   | 0          | 24   | 3     | 0     | 0           | 27      | 2       | 0        | 1       | 0           | 0      | 3    | 0    | 0    | 0     | 0   | 0      | 0   | 81         |
| 5:15 PM          | 1    | 35   | 0     | 0   | 0      | 36   | 0          | 26   | 1     | 0     | 0           | 27      | 1       | 0        | 2       | 0           | 0      | 3    | 0    | 0    | 0     | 0   | 0      | 0   | 66         |
| 5:30 PM          | 1    | 53   | 0     | 0   | 0      | 54   | 0          | 33   | 0     | 0     | 0           | 33      | 3       | 0        | 2       |             | 0      | 5    | 0    | 0    | 0     | 0   | 0      | 0   | 92         |
| 5:45 PM          | 3    | 48   | 0     | 0   | 0      | 51   | 0          | 18   | 1     | 0     | 0           | 19      | 2       | 0        | 0       | 0           | 0      | 2    | 0    | 0    | 0     | 0   | 0      | 0   | 72         |
| Total            | 8    | 184  | 0     | 0   | 0      | 192  | 0          | 101  | 5     | 0     | 0           | 106     | 8       | 0        | 5       | 0           | 0      | 13   | 0    | 0    | 0     | 0   | 0      | 0   | 311        |
| Grand Total      | 28   | 533  | 0     | 0   | 1      | 561  | 0          | 495  | 16    | 0     | 0           | 511     | 22      | 0        | 36      | 0           | 2      | 58   | 0    | 0    | 0     | 0   | 0      | 0   | 1130       |
| Apprch %         | 5.0  | 95.0 | 0.0   | 0.0 | 0.2    | -    | 0.0        | 96.9 | 3.1   | 0.0   | 0.0         |         | 37.9    | 0.0      | 62.1    | 0.0         | 3.4    |      | 0.0  | 0.0  | 0.0   | 0.0 | 0.0    |     |            |
| Total %          | 2.5  | 47.2 | 0.0   | 0.0 | 0.1    | 49.6 | 0.0        | 43.8 | 1.4   | 0.0   | 0.0         | 45.2    | 1.9     | 0.0      | 3.2     | 0.0         | 0.2    | 5.1  | 0.0  | 0.0  | 0.0   | 0.0 | 0.0    | 0.0 |            |
| Cars, PU, Vans   | 27   | 514  | 0     | 0   |        | 541  | 0          | 479  | 15    | 0     |             | 494     | 21      | 0        | 34      | 0           |        | 55   | 0    | 0    | 0     | 0   |        | 0   | 1090       |
| % Cars, PU, Vans | 96.4 | 96.4 | 0.0   | 0.0 |        | 96.4 | 0.0        | 96.8 | 93.8  | 0.0   |             | 96.7    | 95.5    | 0.0      | 94.4    | 0.0         |        | 94.8 | 0.0  | 0.0  | 0.0   | 0.0 |        | 0.0 | 96.5       |
| Heavy trucks     | 1    | 19   | 0     | 0   |        | 20   | 0          | 16   | 1     | 0     |             | 17      | 1       | 0        | 2       | 0           |        | 3    | 0    | 0    | 0     | 0   |        | 0   | 40         |
| %Heavy trucks    | 3.6  | 3.6  | 0.0   | 0.0 |        | 3.6  | 0.0        | 3.2  | 6.3   | 0.0   |             | 3.3     | 4.5     | 0.0      | 5.6     | 0.0         |        | 5.2  | 0.0  | 0.0  | 0.0   | 0.0 |        | 0.0 | 3.5        |
| ,                |      |      |       |     |        | 1    |            |      |       |       |             |         |         |          |         |             |        |      |      |      |       |     |        |     |            |

#### Project ID: 23-190064-001 Location: Roberts Rd & Mari Ben Ln City: Corryton

### **PEAK HOURS**

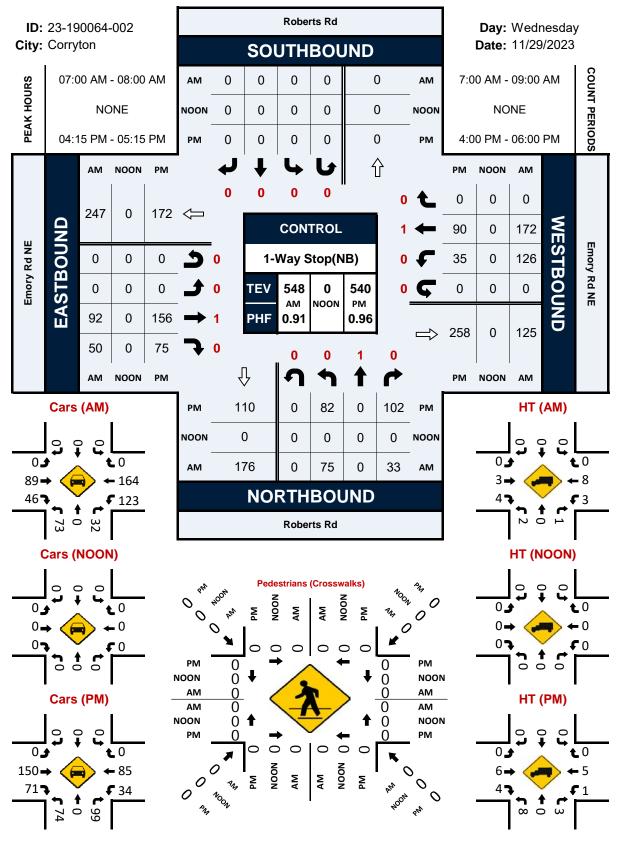
Day: Wednesday Date: 11/29/2023

|  |  |  | Deside D   |  |  |  |  | and a D  |  |  |                          |  | ·                                  |   |  |                              |   |   |   |                            |                            |
|--|--|--|--|--|--|--|--|--|--|--|--------------------------|--|------------------------------------|---|--|------------------------------|---|---|---|----------------------------|----------------------------|
|  |  |  | berts Ro   |  |  | Roberts Rd<br>Southbound                         |  |  |  |  | Mari Ben Ln<br>Eastbound |  |                                    |   |  | Mari Ben Ln<br>Westbound     |   |   |   |                            |                            |
|  |  |  | thboun   | -  |  |  |  |  |  |  |                          |  |                                    | -   |  |                              |   |   |   |                            |                            |
| tart Time  | Left   | Thru   |  |  | App. Total   | Left   | Thru   | Rgt  | Uturn A  | pp. Total  | Left                     | Thru   | Rgt                                | Uturn A   | pp. Total                                    | Left                         | Thru  | Rgt   | Uturn   | App. Total                 | Int. I ot                  |
| eak Hour Analys  |  |  |  |  |  |  |  |  |  |  |                          |  |                                    |   |  |                              |   |   |   |                            |                            |
| eak Hour for Ent   | tire Inter   | section  | Begins a   | at 07:00   | ) AN   |  |  |  |  |  |                          |  |                                    |   |  |                              |   |   |   |                            |                            |
| 7:00 AM  | 0  | 21   | 0  | 0  | 21   | 0  | 40   | 1  | 0  | 41   | 2                        | 0  | 1                                  | 0   | 3  | 0                            | 0   | 0   | 0   | 0                          | 6                          |
| 7:15 AM  | 0  | 18   | 0  | 0  | 18   | 0  | 43   | 0  | 0  | 43   | 2                        | 0  | 9                                  | 0   | 11   | 0                            | 0   | 0   | 0   | 0                          | 7                          |
| 7:30 AM  | 2  | 26   | 0  | 0  | 28   | 0  | 51   | 0  | 0  | 51   | 1                        | 0  | 4                                  | 0   | 5  | 0                            | 0   | 0   | 0   | 0                          | 8                          |
| 7:45 AM  | 3  | 34   | 0  | 0  | 37   | 0  | 43   | 0  | 0  | 43   | 0                        | 0  | 2                                  | 0   | 2  | 0                            | 0   | 0   | 0   | 0                          | 8                          |
| Total Volume   | 5  | 99   | 0  | 0  | 104  | 0  | 177  | 1  | 0  | 178  | 5                        | 0  | 16                                 | 0   | 21   | 0                            | 0   | 0   | 0   | 0                          | 30                         |
| % App. Total   | 4.8  | 95.2   | 0.0  | 0.0  | 100  | 0.0  | 99.4   | 0.6  | 0.0  | 100  | 23.8                     | 0.0  | 76.2                               | 0.0   | 100  | 0.0                          | 0.0   | 0.0   | 0.0   | 0                          |                            |
| PHF  |  |  |  |  | 0.703  |  |  |  |  | 0.873  |                          |  |                                    |   | 0.477  |                              |   |   |   |                            | 0.90                       |
| Cars, PU, Vans   | 5  | 96   | 0  | 0  | 101  | 0  | 169  | 1  | 0  | 170  | 5                        | 0  | 15                                 | 0   | 20   | 0                            | 0   | 0   | 0   | 0                          | 29                         |
| % Cars, PU, Vans   | 100.0  | 97.0   | 0.0  | 0.0  | 97.1   | 0.0  | 95.5   | 100.0  | 0.0  | 95.5   | 100.0                    | 0.0  | 93.8                               | 0.0   | 95.2   | 0.0                          | 0.0   | 0.0   | 0.0   | 0.0                        | 96                         |
| Heavy trucks   | 0  | 3  | 0  | 0  | 3  | 0  | 8  | 0  | 0  | 8  | 0                        | 0  | 1                                  | 0   | 1  | 0                            | 0   | 0   | 0   | 0                          |                            |
| %Heavy trucks  | 0.0  | 3.0  | 0.0  | 0.0  | 2.9  | 0.0  | 4.5  | 0.0  | 0.0  | 4.5  | 0.0                      | 0.0  | 6.3                                | 0.0   | 4.8  | 0.0                          | 0.0   | 0.0   | 0.0   | 0.0                        | 4                          |
| , ,  |  |  |  |  |  |  |  |  |  |  |                          |  |                                    |   |  |                              |   |   |   |                            |                            |
| 'M   |  |  |  |  |  |  |  |  |  | •  |                          |  |                                    |   | I  |                              |   |   |   |                            |                            |
|  |  |  | berts Ro   | -  |  |  |  | perts Ro   | -  |  |                          |  | i Ben L                            |   |  |                              |   | iri Ben I   |   |                            |                            |
| M  |  | Nor  | thboun   | d  |  |  | Sou  | thboun   | d  |  |                          | Eas  | stbound                            | d l   |  |                              | We  | estbour   | nd  |                            |                            |
| M<br>tart Time   | Left   | Nor<br>Thru  | thboun<br>Rgt  | d<br>Jturn ⊭   |  | Left   |  | thboun   | -  | vpp. Total   | Left                     |  | stbound                            |   | vpp. Total                                   | Left                         |   |   | nd  | App. Total                 | Int. Tot                   |
| M<br>Start Time<br>Yeak Hour Analys  | sis from   | Nor<br>Thru<br>04:00 P   | thboun<br>Rgt<br>M - 06:0  | d<br>Jturn ⊿<br>0 PN   | App. Total   |  | Sou  | thboun   | d  | .pp. Total   | Left                     | Eas  | stbound                            | d l   | vpp. Total                                   | Left                         | We  | estbour   | nd  | App. Total                 | Int. To                    |
| M<br>tart Time   | sis from   | Nor<br>Thru<br>04:00 P   | thboun<br>Rgt<br>M - 06:0  | d<br>Jturn ⊿<br>0 PN   | App. Total   |  | Sou  | thboun   | d  | .pp. Total   | Left                     | Eas  | stbound                            | d l   | vpp. Total                                   | Left                         | We  | estbour   | nd  | App. Total                 | Int. To                    |
| M<br>Start Time<br>Yeak Hour Analys  | sis from   | Nor<br>Thru<br>04:00 P   | thboun<br>Rgt<br>M - 06:0  | d<br>Jturn ⊿<br>0 PN   | App. Total   |  | Sou  | thboun   | d  | pp. Total  | Left 1                   | Eas  | stbound                            | d l   | App. Total                                   | Left 0                       | We  | estbour   | nd  | App. Total                 |                            |
| M<br>itart Time<br>eak Hour Analys<br>eak Hour for Ent   | sis from   | Nor<br>Thru<br>04:00 P<br>rsection   | Rgt M - 06:0<br>Begins a   | d<br>Jturn 4<br>0 PN<br>at 04:15   | App. Total   | Left   | Sou<br>Thru  | thboun   | d<br>Uturn 🗚   |  | Left<br>1<br>1           | Eas<br>Thru  | Rgt                                | d<br>Uturn ⊿  | upp. Total                                   |                              | We<br>Thru  | estbour<br>Rgt  | nd<br>Uturn   |                            |                            |
| tart Time<br>eak Hour Analys<br>eak Hour for Ent<br>4:15 PM  | sis from<br>tire Inter<br>1  | Nor<br>Thru<br>04:00 P<br>section<br>50                                      | thboun<br>Rgt 06:0<br>Begins a   | d<br><u>Jturn</u><br>0 PM<br>at 04:15<br>0   | App. Total<br>5 PM<br>51   | Left 0   | Sou<br>Thru<br>23  | Rgt 1  | d<br>Uturn ▲<br>0  | 24   | Left 1<br>1<br>1         | Eas<br>Thru<br>0   | Rgt 3                              | <b>i</b><br>Uturn ⊿<br>0  | 4  | 0                            | We<br>Thru<br>0   | Rgt<br>0  | nd<br>Uturn<br>0  | 0                          | -                          |
| tart Time<br>eak Hour Analys<br>eak Hour for Ent<br>4:15 PM<br>4:30 PM   | sis from<br>tire Inter<br>1<br>6                                   | Nor<br>Thru<br>04:00 P<br>section<br>50<br>45                                | thboun<br>Rgt<br>M - 06:0<br>Begins<br>0<br>0  | d<br><u>Jturn</u><br>0 PM<br>at 04:15<br>0<br>0                                    | App. Total<br>5 PM<br>51<br>51   | Left<br>0<br>0                                   | Sou<br>Thru<br>23<br>29                                  | thboun<br>Rgt<br>1<br>2                            | d<br>Uturn A<br>0<br>0   | 24<br>31   | Left<br>1<br>1<br>1<br>2 | Eas<br>Thru<br>0<br>0                                    | Rgt 3                              | i<br>Uturn ▲<br>0<br>0  | 4<br>4                                       | 0                            | Wi<br>Thru<br>0<br>0  | estbour<br>Rgt<br>0<br>0  | Uturn<br>0<br>0   | 0                          |                            |
| M<br>eak Hour Analys<br>eak Hour for Eni<br>4:15 PM<br>4:30 PM<br>4:45 PM  | sis from<br>tire Inter<br>1<br>6<br>3                              | Nor<br>Thru 04:00 P<br>section<br>50<br>45<br>39                             | thboun<br>Rgt M<br>M - 06:0<br>Begins a<br>0<br>0<br>0   | d<br>Jturn ⊿<br>0 PM<br>at 04:15<br>0<br>0<br>0                                    | 5 PM<br>51<br>51<br>42   | Left 0<br>0<br>0                                 | Sou<br>Thru<br>23<br>29<br>26                            | thboun<br>Rgt<br>1<br>2<br>3                       | d<br>Uturn ▲<br>0<br>0<br>0  | 24<br>31<br>29                                     | 1<br>1<br>1              | Eas<br>Thru<br>0<br>0<br>0                               | Rgt 3                              | 1<br>Uturn ▲<br>0<br>0<br>0   | 4<br>4<br>2                                  | 0<br>0<br>0                  | We<br>Thru<br>0<br>0<br>0   | estbour<br>Rgt<br>0<br>0<br>0   | Uturn<br>0<br>0<br>0  | 0<br>0<br>0                |                            |
| M<br>itart Time<br>reak Hour Analys<br>reak Hour for Ent<br>4:15 PM<br>4:30 PM<br>4:45 PM<br>5:00 PM   | tire Inter<br>1<br>6<br>3<br>3                                     | Nor<br>Thru 04:00 P<br>rsection<br>50<br>45<br>39<br>48                      | thboun<br>Rgt M - 06:0<br>Begins a<br>0<br>0<br>0<br>0   | d<br>Jturn<br>0 PM<br>at 04:15<br>0<br>0<br>0<br>0                                 | 5 PM<br>51<br>51<br>42<br>51   | Left<br>0<br>0<br>0<br>0                         | Sou<br>Thru<br>23<br>29<br>26<br>24                      | thboun<br>Rgt<br>1<br>2<br>3<br>3                  | d<br>Uturn ▲<br>0<br>0<br>0<br>0<br>0                                    | 24<br>31<br>29<br>27                               | 1<br>1<br>1<br>2         | Eas<br>Thru<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | Rgt<br>3<br>3<br>1                 | a<br>Uturn ▲<br>0<br>0<br>0<br>0                                    | 4<br>4<br>2<br>3                             | 0<br>0<br>0<br>0             | 0<br>0<br>0<br>0<br>0   | estbour<br>Rgt<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0           | 3                          |
| tart Time<br>eak Hour Analys<br>eak Hour for En<br>4:15 PM<br>4:30 PM<br>4:45 PM<br>5:00 PM<br>Total Volume  | tire Inter<br>1<br>6<br>3<br>3<br>13                               | Nor<br>Thru<br>04:00 P<br>section<br>50<br>45<br>39<br>48<br>182             | thboun<br>Rgt M - 06:0<br>Begins a<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | d<br>Jturn /<br>0 PM<br>at 04:15<br>0<br>0<br>0<br>0<br>0<br>0                     | 5 PM<br>51<br>51<br>42<br>51<br>195                                      | Left<br>0<br>0<br>0<br>0<br>0<br>0               | Sou<br>Thru<br>23<br>29<br>26<br>24<br>102               | 1<br>2<br>3<br>3<br>9                              | d<br>Uturn A<br>0<br>0<br>0<br>0<br>0<br>0<br>0.0                        | 24<br>31<br>29<br>27<br>111                        | 1<br>1<br>1<br>2<br>5    | Eas<br>Thru<br>0<br>0<br>0<br>0<br>0<br>0                | 3<br>3<br>3<br>1<br>1<br>8         | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0.0                         | 4<br>4<br>2<br>3<br>13                       | 0<br>0<br>0<br>0<br>0        | We<br>Thru<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0  | 0<br>Uturn<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0      | 3                          |
| tart Time<br>eak Hour Analys<br>eak Hour for Ent<br>4:15 PM<br>4:30 PM<br>4:45 PM<br>5:00 PM<br>Total Volume<br>% App. Total                             | tire Inter<br>1<br>6<br>3<br>3<br>13                               | Nor<br>Thru<br>04:00 P<br>section<br>50<br>45<br>39<br>48<br>182             | thboun<br>Rgt M - 06:0<br>Begins a<br>0<br>0<br>0<br>0<br>0<br>0<br>0  | d<br>Jturn /<br>0 PM<br>at 04:15<br>0<br>0<br>0<br>0<br>0<br>0                     | 5 PM<br>51<br>51<br>42<br>51<br>195<br>100                               | Left<br>0<br>0<br>0<br>0<br>0<br>0               | Sou<br>Thru<br>23<br>29<br>26<br>24<br>102               | 1<br>2<br>3<br>3<br>9                              | d<br>Uturn A<br>0<br>0<br>0<br>0<br>0<br>0<br>0.0                        | 24<br>31<br>29<br>27<br>111<br>100                 | 1<br>1<br>1<br>2<br>5    | Eas<br>Thru<br>0<br>0<br>0<br>0<br>0<br>0                | 3<br>3<br>3<br>1<br>1<br>8         | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0.0                         | 4<br>4<br>2<br>3<br>13<br>100                | 0<br>0<br>0<br>0<br>0        | We<br>Thru<br>0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0  | 0<br>Uturn<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0      | 3                          |
| M<br>Pack Hour Analys<br>Pack Hour Analys<br>Pack Hour for End<br>4:15 PM<br>4:30 PM<br>4:45 PM<br>5:00 PM<br>Total Volume<br>% App. Total<br>PHF        | sis from<br>tire Inter<br>1<br>6<br>3<br>3<br>3<br>13<br>6.7       | Nor<br>Thru 04:00 P<br>rsection<br>50<br>45<br>39<br>48<br>182<br>93.3       | thboun           Rgt         1           M - 06:0         0           Begins a         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0 | d<br>Jturn /<br>0 PM<br>at 04:15<br>0<br>0<br>0<br>0<br>0<br>0<br>0                | 5 PM<br>51<br>51<br>42<br>51<br>195<br>100<br>0.956                      | Left 0<br>0<br>0<br>0<br>0<br>0<br>0.0           | Sou<br>Thru<br>23<br>29<br>26<br>24<br>102<br>91.9       | thboun<br>Rgt<br>1<br>2<br>3<br>3<br>9<br>8.1      | d<br>Uturn A<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                     | 24<br>31<br>29<br>27<br>111<br>100<br>0.895        | 1<br>1<br>2<br>5<br>38.5 | Eas<br>Thru 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0         | 3<br>3<br>3<br>1<br>1<br>8<br>61.5 | i<br>Uturn ♪<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0           | 4<br>4<br>2<br>3<br>13<br>100<br>0.813       | 0<br>0<br>0<br>0<br>0<br>0.0 | We<br>Thru<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0.0                                  | estbour<br>Rgt<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0.0                                       | 0<br>0<br>0<br>0<br>0<br>0 | 3<br>3<br>0.92<br>30       |
| itart Time<br>reak Hour Analys<br>reak Hour for Ent<br>4:15 PM<br>4:30 PM<br>4:45 PM<br>5:00 PM<br>Total Volume<br>% App. Total<br>PHF<br>Cars, PU, Vans | sis from<br>tire Inter<br>1<br>6<br>3<br>3<br>3<br>13<br>6.7<br>13 | Nor<br>Thru 04:00 P<br>section<br>50<br>45<br>39<br>48<br>182<br>93.3<br>171 | thboun           Rgt         I           M - 06:0         Begins a           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0           0         0 | d<br>Jturn /<br>0 PM<br>at 04:15<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | App. Total<br>5 PN<br>51<br>51<br>42<br>51<br>195<br>100<br>0.956<br>184 | Left<br>0<br>0<br>0<br>0<br>0<br>0.0<br>0<br>0.0 | Sou<br>Thru<br>23<br>29<br>26<br>24<br>102<br>91.9<br>98 | thboun<br>Rgt<br>1<br>2<br>3<br>3<br>9<br>8.1<br>9 | d<br>Uturn ▲<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 24<br>31<br>29<br>27<br>111<br>100<br>0.895<br>107 | 1<br>1<br>2<br>5<br>38.5 | Eas<br>Thru 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0        | 3<br>3<br>3<br>1<br>1<br>61.5<br>7 | i<br>Uturn ∧<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 4<br>4<br>2<br>3<br>13<br>100<br>0.813<br>12 | 0<br>0<br>0<br>0<br>0.0      | We<br>Thru<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | estbour<br>Rgt<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 |                            | 8<br>3<br>0.92<br>30<br>95 |

AM

# Roberts Rd & Emory Rd NE

# Peak Hour Turning Movement Count



### Project ID: 23-190064-002 Location: Roberts Rd & Emory Rd NE City: Corryton

| Groups Printed - Cars | , PU, Vans - Heavy Trucks |
|-----------------------|---------------------------|
| Louis B.I.            | Employee Did N            |

|                  |      |      | Rober | ts Rd |        |           |      |      | Robe  |       |        |           | ,    |      |       | Rd NE |        |      |      |      | Emory R | d NE  |        |            |            |
|------------------|------|------|-------|-------|--------|-----------|------|------|-------|-------|--------|-----------|------|------|-------|-------|--------|------|------|------|---------|-------|--------|------------|------------|
|                  |      |      | North | bound |        |           |      |      | South | bound |        |           |      |      | Easth | oound |        |      |      |      | Westbo  | und   |        |            |            |
| Start Time       | Left | Thru | Rgt   | Uturn | Peds A | pp. Total | Left | Thru | Rgt   | Uturn | Peds A | pp. Total | Left | Thru | Rgt   | Uturn | Peds A |      | Left | Thru | Rgt     | Uturn | Peds A | App. Total | Int. Total |
| 7:00 AM          | 15   | 0    | 7     | 0     | 0      | 22        | 0    | 0    | 0     | 0     | 0      | 0         | 0    | 15   | 5     | 0     | 0      | 20   | 35   | 41   | 0       | 0     | 0      | 76         | 118        |
| 7:15 AM          | 16   | 0    | 7     | 0     | 0      | 23        | 0    | 0    | 0     | 0     | 0      | 0         | 0    | 22   | 14    | 0     | 0      | 36   | 32   | 43   | 0       | 0     | 0      | 75         | 134        |
| 7:30 AM          | 17   | 0    | 7     | 0     | 0      | 24        | 0    | 0    | 0     | 0     | 0      | 0         | 0    | 28   | 20    | 0     | 0      | 48   | 31   | 43   | 0       | 0     | 0      | 74         | 146        |
| 7:45 AM          | 27   | 0    | 12    | 0     | 0      | 39        | 0    | 0    | 0     | 0     | 0      | 0         | 0    | 27   | 11    | 0     | 0      | 38   | 28   | 45   | 0       | 0     | 0      | 73         | 150        |
| Total            | 75   | 0    | 33    | 0     | 0      | 108       | 0    | 0    | 0     | 0     | 0      | 0         | 0    | 92   | 50    | 0     | 0      | 142  | 126  | 172  | 0       | 0     | 0      | 298        | 548        |
| 8:00 AM          | 16   | 0    | 3     | 0     | 0      | 19        | 0    | 0    | 0     | 0     | 0      | 0         | 0    | 14   | 16    | 0     | 0      | 30   | 18   | 25   | 0       | 0     | 0      | 43         | 92         |
| 8:15 AM          | 13   | 0    | 8     | 0     | 0      | 21        | 0    | 0    | 0     | 0     | 0      | 0         | 0    | 17   | 13    | 0     | 0      | 30   | 15   | 24   | 0       | 0     | 0      | 39         | 90         |
| 8:30 AM          | 10   | 0    | 1     | 0     | 0      | 11        | 0    | 0    | 0     | 0     | 0      | 0         | 0    | 19   | 12    | 0     | 0      | 31   | 10   | 22   | 0       | 0     | 0      | 32         | 74         |
| 8:45 AM          | 13   | 0    | 16    | 0     | 0      | 29        | 0    | 0    | 0     | 0     | 0      | 0         | 0    | 14   | 6     | 0     | 0      | 20   | 9    | 18   | 0       | 0     | 0      | 27         | 76         |
| Total            | 52   | 0    | 28    | 0     | 0      | 80        | 0    | 0    | 0     | 0     | 0      | 0         | 0    | 64   | 47    | 0     | 0      | 111  | 52   | 89   | 0       | 0     | 0      | 141        | 332        |
| ***BREAK***      |      |      |       |       |        |           |      |      |       |       |        |           |      |      |       |       |        |      |      |      |         |       |        |            |            |
|                  |      |      |       |       |        |           |      |      |       |       |        |           |      |      |       |       |        |      |      |      |         |       |        |            |            |
| 4:00 PM          | 13   | 0    | 29    | 0     | 0      | 42        | 0    | 0    | 0     | 0     | 0      | 0         | 0    | 38   | 17    | 0     | 0      | 55   | 15   | 19   | 0       | 0     | 0      | 34         | 131        |
| 4:15 PM          | 23   | 0    | 28    | 0     | 0      | 51        | 0    | 0    | 0     | 0     | 0      | 0         | 0    | 37   | 20    | 0     | 0      | 57   | 6    | 20   | 0       | 0     | 0      | 26         | 134        |
| 4:30 PM          | 20   | 0    | 22    | 0     | 0      | 42        | 0    | 0    | 0     | 0     | 0      | 0         | 0    | 37   | 17    | 0     | 0      | 54   | 15   | 30   | 0       | 0     | 0      | 45         | 141        |
| 4:45 PM          | 19   | 0    | 22    | 0     | 0      | 41        | 0    | 0    | 0     | 0     | 0      | 0         | 0    | 40   | 21    | 0     | 0      | 61   | 6    | 22   | 0       | 0     | 0      | 28         | 130        |
| Total            | 75   | 0    | 101   | 0     | 0      | 176       | 0    | 0    | 0     | 0     | 0      | 0         | 0    | 152  | 75    | 0     | 0      | 227  | 42   | 91   | 0       | 0     | 0      | 133        | 536        |
| 5:00 PM          | 20   | 0    | 30    | 0     | 0      | 50        | 0    | 0    | 0     | 0     | 0      | 0         | 0    | 42   | 17    | 0     | 0      | 59   | 8    | 18   | 0       | 0     | 0      | 26         | 135        |
| 5:15 PM          | 15   | 0    | 22    | 0     | 0      | 37        | 0    | 0    | 0     | 0     | 0      | 0         | 0    | 30   | 17    | 0     | 0      | 47   | 10   | 29   | 0       | 0     | 0      | 39         | 123        |
| 5:30 PM          | 21   | 0    | 29    | 0     | 0      | 50        | 0    | 0    | 0     | 0     | 0      | 0         | 0    | 34   | 21    | 0     | 0      | 55   | 10   | 27   | 0       | 0     | 0      | 37         | 142        |
| 5:45 PM          | 15   | 0    | 36    | 0     | 0      | 51        | 0    | 0    | 0     | 0     | 0      | 0         | 0    | 27   | 12    | 0     | 0      | 39   | 10   | 24   | 0       | 0     | 0      | 34         | 124        |
| Total            | 71   | 0    | 117   | 0     | 0      | 188       | 0    | 0    | 0     | 0     | 0      | 0         | 0    | 133  | 67    | 0     | 0      | 200  | 38   | 98   | 0       | 0     | 0      | 136        | 524        |
| Grand Total      | 273  | 0    | 279   | 0     | 0      | 552       | 0    | 0    | 0     | 0     | 0      | 0         | 0    | 441  | 239   | 0     | 0      | 680  | 258  | 450  | 0       | 0     | 0      | 708        | 1940       |
| Apprch %         | 49.5 | 0.0  | 50.5  | 0.0   | 0.0    |           | 0.0  | 0.0  | 0.0   | 0.0   | 0.0    |           | 0.0  | 64.9 | 35.1  | 0.0   | 0.0    |      | 36.4 | 63.6 | 0.0     | 0.0   | 0.0    |            |            |
| Total %          | 14.1 | 0.0  | 14.4  | 0.0   | 0.0    | 28.5      | 0.0  | 0.0  | 0.0   | 0.0   | 0.0    | 0.0       | 0.0  | 22.7 | 12.3  | 0.0   | 0.0    | 35.1 | 13.3 | 23.2 | 0.0     | 0.0   | 0.0    | 36.5       |            |
| Cars, PU, Vans   | 258  | 0    | 272   | 0     |        | 530       | 0    | 0    | 0     | 0     |        | 0         | 0    | 422  | 227   | 0     |        | 649  | 252  | 425  | 0       | 0     |        | 677        | 1856       |
| % Cars, PU, Vans | 94.5 | 0.0  | 97.5  | 0.0   |        | 96.0      | 0.0  | 0.0  | 0.0   | 0.0   |        | 0.0       | 0.0  | 95.7 | 95.0  | 0.0   |        | 95.4 | 97.7 | 94.4 | 0.0     | 0.0   |        | 95.6       | 95.7       |
| Heavy trucks     | 15   | 0    | 7     | 0     |        | 22        | 0    | 0    | 0     | 0     |        | 0         | 0    | 19   | 12    | 0     |        | 31   | 6    | 25   | 0       | 0     |        | 31         | 84         |
| %Heavy trucks    | 5.5  | 0.0  | 2.5   | 0.0   |        | 4.0       | 0.0  | 0.0  | 0.0   | 0.0   |        | 0.0       | 0.0  | 4.3  | 5.0   | 0.0   |        | 4.6  | 2.3  | 5.6  | 0.0     | 0.0   |        | 4.4        | 4.3        |
| I                |      |      |       |       |        |           |      |      |       |       |        |           |      |      |       |       |        |      |      |      |         |       |        |            |            |

Project ID: 23-190064-002 Location: Roberts Rd & Emory Rd NE City: Corryton

### **PEAK HOURS**

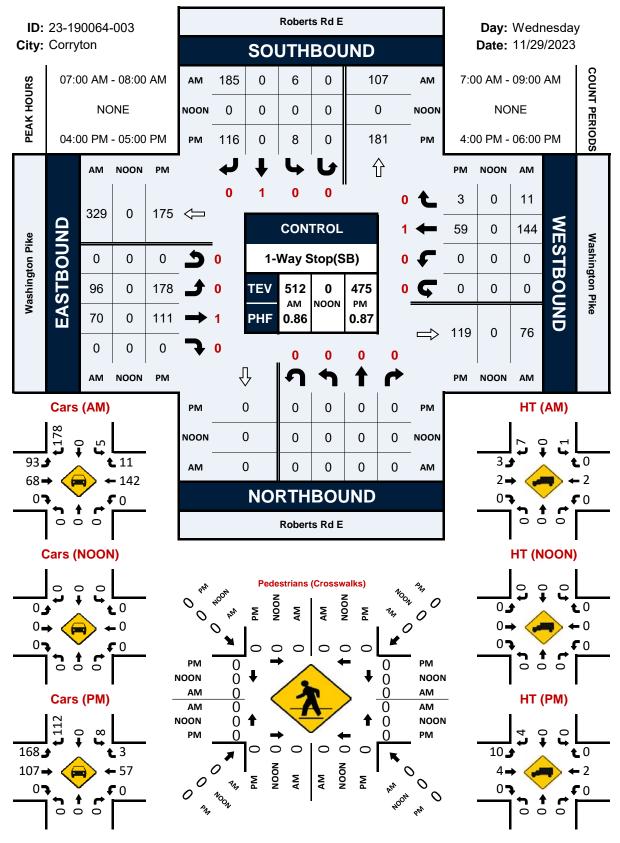
Day: Wednesday Date: 11/29/2023

|  |   |   | berts R  |   |  |  |  | berts R   |   |                            |                              |   | ry Rd N  |  |  |                                       |  | ory Rd I  |   |  |   |
|--|---|---|--|---|--|--|--|---|---|----------------------------|------------------------------|---|--|--|--|---------------------------------------|--|---|---|--|---|
|  |   |   | thboun   | -   |  |  |  | thbou   |   |                            |                              |   | stboun   | -  |  |                                       |  | estboun   | -   |  |   |
| Start Time   |   | Thru  |  |   | App. Total   | Left                                   | Thru   | Rgt   | Uturn A   | pp. Total                  | Left                         | Thru  | Rgt  | Uturn  | App. Total   | Left                                  | Thru                                     | Rgt   | Uturn   | App. Total   | Int. Total  |
| Peak Hour Analys   |   |   |  |   |  |  |  |   |   |                            |                              |   |  |  |  |                                       |  |   |   |  |   |
| Peak Hour for Ent  | ire Inter   | section   | Begins   | at 07:00  | AN   |  |  |   |   |                            |                              |   |  |  |  |                                       |  |   |   |  |   |
| 7:00 AM  | 15  | 0   | 7  | 0   | 22   | 0                                      | 0  | 0   | 0   | 0                          | 0                            | 15  | 5  | 0  | 20   | 35                                    | 41                                       | 0   | 0   | 76   | 118   |
| 7:15 AM  | 16  | 0   | 7  | 0   | 23   | 0                                      | 0  | 0   | 0   | 0                          | 0                            | 22  | 14   | 0  | 36   | 32                                    | 43                                       | 0   | 0   | 75   | 134   |
| 7:30 AM  | 17  | 0   | 7  | 0   | 24   | 0                                      | 0  | 0   | 0   | 0                          | 0                            | 28  | 20   | 0  | 48   | 31                                    | 43                                       | 0   | 0   | 74   | 146   |
| 7:45 AM  | 27  | 0   | 12   | 0   | 39   | 0                                      | 0  | 0   | 0   | 0                          | 0                            | 27  | 11   | 0  | 38   | 28                                    | 45                                       | 0   | 0   | 73   | 150   |
| Total Volume   | 75  | 0   | 33   | 0   | 108  | 0                                      | 0  | 0   | 0   | 0                          | 0                            | 92  | 50   | 0  | 142  | 126                                   | 172                                      | 0   | 0   | 298  | 548   |
| % App. Total   | 69.4  | 0.0   | 30.6   | 0.0   | 100  | 0.0                                    | 0.0  | 0.0   | 0.0   | 0                          | 0.0                          | 64.8  | 35.2   | 0.0  | 100  | 42.3                                  | 57.7                                     | 0.0   | 0.0   | 100  |   |
| PHF  |   |   |  |   | 0.692  |  |  |   |   |                            |                              |   |  |  | 0.740  |                                       |  |   |   | 0.980  | 0.913   |
| Cars, PU, Vans   | 73  | 0   | 32   | 0   | 105  | 0                                      | 0  | 0   | 0   | 0                          | 0                            | 89  | 46   | 0  | 135  | 123                                   | 164                                      | 0   | 0   | 287  | 527   |
| % Cars, PU, Vans   | 97.3  | 0.0   | 97.0   | 0.0   | 97.2   | 0.0                                    | 0.0  | 0.0   | 0.0   | 0.0                        | 0.0                          | 96.7  | 92.0   | 0.0  | 95.1   | 97.6                                  | 95.3                                     | 0.0   | 0.0   | 96.3   | 96.2  |
| Heavy trucks   | 2   | 0   | 1  | 0   | 3  | 0                                      | 0  | 0   | 0   | 0                          | 0                            | 3   | 4  | 0  | 7  | 3                                     | 8  | 0   | 0   | 11   | 21  |
| %Heavy trucks  | 2.7   | 0.0   | 3.0  | 0.0   | 2.8  | 0.0                                    | 0.0  | 0.0   | 0.0   | 0.0                        | 0.0                          | 3.3   | 8.0  | 0.0  | 4.9  | 2.4                                   | 4.7                                      | 0.0   | 0.0   | 3.7  | 3.8   |
|  |   |   |  |   |  |  |  |   |   |                            |                              |   |  |  |  |                                       |  |   |   |  |   |
| PM   |   |   |  |   |  |  |  |   |   |                            |                              |   |  |  |  |                                       |  |   |   |  |   |
| PM   |   | Ro  | berts R  | d   |  |  | Rol  | berts R   | d   |                            |                              | Emo   | ry Rd N  | NE   |  |                                       | Em                                       | ory Rd  | NE  |  |   |
| PM   |   |   | berts Rething  |   |  |  |  | berts R<br>ithboui  |   |                            |                              |   | ry Rd N<br>stbound                             |  |  |                                       |  | ory Rd I<br>estbour   |   |  |   |
| Start Time   |   | Noi<br>Thru   | thboun<br>Rgt  | d<br>Uturn /  | App. Total   | Left                                   |  |   |   | pp. Total                  | Left                         |   |  | d  | App. Total   | Left                                  |  | estboun   | d   | App. Total   | Int. Total  |
| Start Time<br>Peak Hour Analys   | is from (   | Nor<br>Thru<br>04:00 P  | Rgt<br>M - 06:0  | d<br>Uturn<br>00 PN   |  | Left                                   | Sou  | thbour  | nd  | pp. Total                  | Left                         | Eas   | stbound  | d  | App. Total   | Left                                  | W  | estboun   | d   | App. Total   | Int. Total  |
| Start Time   | is from (   | Nor<br>Thru<br>04:00 P  | Rgt<br>M - 06:0  | d<br>Uturn<br>00 PN   |  | Left                                   | Sou  | thbour  | nd  | pp. Total                  | Left                         | Eas   | stbound  | d  | App. Total   | Left                                  | W  | estboun   | d   | App. Total   | Int. Total  |
| Start Time<br>Peak Hour Analys   | is from (   | Nor<br>Thru<br>04:00 P  | Rgt<br>M - 06:0  | d<br>Uturn<br>00 PN   |  | Left 0                                 | Sou  | thbour  | nd  | pp. Total                  | Left                         | Eas   | stbound  | d  | App. Total   | 6                                     | We<br>Thru<br>20                         | estboun   | d   | 26   | Int. Total  |
| Start Time<br>Peak Hour Analys<br>Peak Hour for Ent  | is from (<br>ire Inters   | Nor<br>Thru<br>04:00 P<br>section   | Rgt<br>Rgt<br>M - 06:0<br>Begins   | d<br>Uturn<br>00 PM<br>at 04:15   | 5 PM   |  | Sou<br>Thru  | rthbour<br>Rgt  | nd<br>Uturn A   |                            | I                            | Eas<br>Thru   | Rgt  | d<br>Uturn   |  | ł                                     | We<br>Thru                               | estbour<br>Rgt  | d<br>Uturn  |  |   |
| Start Time<br>Peak Hour Analys<br>Peak Hour for Ent<br>4:15 PM   | is from (<br>ire Inters<br>23                                       | Nor<br>Thru<br>04:00 P<br>section<br>0  | thboun<br>Rgt<br>M - 06:0<br>Begins<br>28<br>22<br>22<br>22              | d<br>Uturn<br>00 PN<br>at 04:15<br>0  | 5 PM<br>51<br>42<br>41                                     | 0                                      | Sou<br>Thru<br>0   | Rgt<br>0  | nd<br>Uturn A   | 0                          | 0                            | Eas<br>Thru<br>37<br>37<br>40                             | 20<br>21<br>21                                 | d<br>Uturn   | 57<br>54<br>61                                     | 6                                     | We<br>Thru<br>20<br>30<br>22             | estboun<br>Rgt  | <b>d</b><br>Uturn<br>0  | 26<br>45<br>28                                     | 134<br>141<br>130   |
| Start Time<br>Peak Hour Analys<br>Peak Hour for Ent<br>4:15 PM<br>4:30 PM  | is from (<br>ire Inters<br>23<br>20                                 | Nor<br>Thru<br>D4:00 P<br>section<br>0<br>0   | thboun<br>Rgt<br>M - 06:0<br>Begins<br>28<br>22                          | d<br>Uturn<br>00 PM<br>at 04:15<br>0<br>0   | 5 PM<br>51<br>42   | 0                                      | Sou<br>Thru<br>0<br>0  | Rgt<br>0<br>0   | nd<br>Uturn Ar<br>0<br>0                                  | 0                          | 0                            | Eas<br>Thru<br>37<br>37                                   | Rgt<br>20<br>17                                | d<br>Uturn<br>0<br>0   | 57<br>54   | 6<br>15                               | <b>W</b><br>Thru<br>20<br>30             | estboun<br>Rgt<br>0<br>0  | d<br>Uturn<br>0<br>0  | 26<br>45   | 134<br>141  |
| Start Time<br>Peak Hour Analys<br>Peak Hour for Ent<br>4:15 PM<br>4:30 PM<br>4:45 PM   | is from (<br>ire Inters<br>23<br>20<br>19                           | Nor<br>Thru<br>D4:00 P<br>section<br>0<br>0<br>0  | thboun<br>Rgt<br>M - 06:0<br>Begins<br>28<br>22<br>22<br>22              | d<br>Uturn /<br>00 PN<br>at 04:15<br>0<br>0<br>0                                    | 5 PM<br>51<br>42<br>41                                     | 0<br>0<br>0                            | Sou<br>Thru<br>0<br>0<br>0   | Rgt<br>0<br>0   | nd<br>Uturn Ar<br>0<br>0<br>0                             | 0<br>0<br>0                | 0<br>0<br>0                  | Eas<br>Thru<br>37<br>37<br>40                             | 20<br>21<br>21                                 | d<br>Uturn<br>0<br>0<br>0                                      | 57<br>54<br>61                                     | 6<br>15<br>6                          | We<br>Thru<br>20<br>30<br>22             | Rgt<br>0<br>0   | d<br>Uturn<br>0<br>0<br>0   | 26<br>45<br>28                                     | 134<br>141<br>130   |
| Start Time<br>Peak Hour Analys<br>Peak Hour for Ent<br>4:15 PM<br>4:30 PM<br>4:45 PM<br>5:00 PM  | is from (<br>ire Inters<br>23<br>20<br>19<br>20                     | Nor<br>Thru<br>04:00 P<br>section<br>0<br>0<br>0<br>0   | thboun<br>Rgt<br>M - 06:0<br>Begins<br>28<br>22<br>22<br>22<br>30        | d<br>Uturn<br>0 PN<br>at 04:15<br>0<br>0<br>0<br>0                                  | 5 PM<br>51<br>42<br>41<br>50                               | 0<br>0<br>0<br>0                       | <b>Sou</b><br>Thru<br>0<br>0<br>0<br>0   | Rgt<br>0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0<br>0                           | 0<br>0<br>0<br>0           | 0<br>0<br>0<br>0             | Eas<br>Thru<br>37<br>37<br>40<br>42                       | 20<br>21<br>21<br>17                           | d<br>Uturn /<br>0<br>0<br>0<br>0                               | 57<br>54<br>61<br>59                               | 6<br>15<br>6<br>8                     | 20<br>20<br>30<br>22<br>18               | Rgt<br>0<br>0<br>0<br>0   | d<br>Uturn<br>0<br>0<br>0<br>0  | 26<br>45<br>28<br>26                               | 134<br>141<br>130<br>135  |
| Start Time<br>Peak Hour Analys<br>Peak Hour for Ent<br>4:15 PM<br>4:30 PM<br>5:00 PM<br>Total Volume   | is from (<br>ire Inters<br>23<br>20<br>19<br>20<br>82               | Noi<br>Thru 0<br>04:00 P<br>section<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                          | thboun<br>Rgt<br>M - 06:0<br>Begins<br>28<br>22<br>22<br>22<br>30<br>102 | d<br>Uturn 7<br>00 PM<br>at 04:15<br>0<br>0<br>0<br>0<br>0<br>0<br>0                | 5 PM<br>51<br>42<br>41<br>50<br>184                        | 0<br>0<br>0<br>0<br>0                  | <b>Sou</b><br>Thru<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                 | 0<br>0<br>0<br>0           | 0<br>0<br>0<br>0<br>0        | Eas<br>Thru<br>37<br>37<br>40<br>42<br>156                | 20<br>Rgt<br>20<br>17<br>21<br>17<br>75        | d<br>Uturn /<br>0<br>0<br>0<br>0<br>0                          | 57<br>54<br>61<br>59<br>231                        | 6<br>15<br>6<br>8<br>35               | 20<br>30<br>22<br>18<br>90               | 0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0  | 26<br>45<br>28<br>26<br>125                        | 134<br>141<br>130<br>135  |
| Start Time<br>Peak Hour Analys<br>Peak Hour for Ent<br>4:15 PM<br>4:30 PM<br>4:45 PM<br>5:00 PM<br>Total Volume<br>% App. Total                          | is from (<br>ire Inters<br>23<br>20<br>19<br>20<br>82               | Noi<br>Thru 0<br>04:00 P<br>section<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                          | thboun<br>Rgt M - 06:0<br>Begins :<br>28<br>22<br>22<br>30<br>102        | d<br>Uturn 7<br>00 PM<br>at 04:15<br>0<br>0<br>0<br>0<br>0<br>0<br>0                | 5 PM<br>51<br>42<br>41<br>50<br>184<br>100                 | 0<br>0<br>0<br>0<br>0                  | <b>Sou</b><br>Thru<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0                 | 0<br>0<br>0<br>0           | 0<br>0<br>0<br>0<br>0        | Eas<br>Thru<br>37<br>37<br>40<br>42<br>156                | 20<br>Rgt<br>20<br>17<br>21<br>17<br>75        | d<br>Uturn /<br>0<br>0<br>0<br>0<br>0                          | 57<br>54<br>61<br>59<br>231<br>100                 | 6<br>15<br>6<br>8<br>35               | 20<br>30<br>22<br>18<br>90               | 0<br>0<br>0<br>0<br>0<br>0  | 0<br>0<br>0<br>0<br>0<br>0  | 26<br>45<br>28<br>26<br>125<br>100                 | 134<br>141<br>130<br>135<br>540                                       |
| Start Time<br>Peak Hour Analys<br>Peak Hour for Ent<br>4:15 PM<br>4:30 PM<br>4:45 PM<br>5:00 PM<br>Total Volume<br>% App. Total<br>PHF                   | is from (<br>ire Inters<br>23<br>20<br>19<br>20<br>82<br>44.6       | Nor<br>Thru D4:00 P<br>section<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | thboun           Rgt   | d<br>Uturn /<br>00 PM<br>at 04:15<br>0<br>0<br>0<br>0<br>0<br>0<br>0                | 5 PM<br>51<br>42<br>41<br>50<br>184<br>100<br>0.902        | 0<br>0<br>0<br>0<br>0<br>0<br>0<br>0.0 | <b>Sou</b><br>Thru<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0.0   | thbour<br>Rgt<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0.0   | nd<br>Uturn A<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0.0   | 0<br>0<br>0<br>0<br>0      | 0<br>0<br>0<br>0<br>0<br>0.0 | Eas<br>Thru<br>37<br>37<br>40<br>42<br>156<br>67.5        | 20<br>20<br>17<br>21<br>17<br>75<br>32.5       | d<br>Uturn /<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0      | 57<br>54<br>61<br>59<br>231<br>100<br>0.947        | 6<br>15<br>6<br>8<br>35<br>28.0       | 20<br>30<br>22<br>18<br>90<br>72.0       | estboun<br>Rgt<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0.0                   | d<br>Uturn<br>0<br>0<br>0<br>0<br>0<br>0<br>0.0   | 26<br>45<br>28<br>26<br>125<br>100<br>0.694        | 134<br>141<br>130<br><u>135</u><br>540<br><u>0.957</u><br>513<br>95.0 |
| Start Time<br>Peak Hour Analys<br>Peak Hour for Ent<br>4:15 PM<br>4:30 PM<br>4:45 PM<br>5:00 PM<br>Total Volume<br>% App. Total<br>PHF<br>Cars, PU, Vans | is from (<br>ire Inters<br>23<br>20<br>19<br>20<br>82<br>44.6<br>74 | Nor<br>Thru D4:00 P<br>section<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | thboun           Rgt   | d<br>Uturn /<br>00 PM<br>at 04:15<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 5 PM<br>51<br>42<br>41<br>50<br>184<br>100<br>0.902<br>173 | 0<br>0<br>0<br>0<br>0<br>0<br>0.0      | Sou<br>Thru<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | tthbour<br>Rgt<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | nd<br>Uturn A<br>0<br>0<br>0<br>0<br>0<br>0.0<br>0<br>0.0 | 0<br>0<br>0<br>0<br>0<br>0 | 0<br>0<br>0<br>0<br>0.0<br>0 | Eas<br>Thru<br>37<br>37<br>40<br>42<br>156<br>67.5<br>150 | 20<br>20<br>17<br>21<br>17<br>75<br>32.5<br>71 | d<br>Uturn /<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 57<br>54<br>61<br>59<br>231<br>100<br>0.947<br>221 | 6<br>15<br>6<br>8<br>35<br>28.0<br>34 | 20<br>30<br>22<br>18<br>90<br>72.0<br>85 | estboun<br>Rgt<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | d<br>Uturn<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | 26<br>45<br>28<br>26<br>125<br>100<br>0.694<br>119 | 134<br>141<br>130<br>135<br>540<br>0.957<br>513                       |

AM

# Roberts Rd E & Washington Pike

# Peak Hour Turning Movement Count



#### Project ID: 23-190064-003 Location: Roberts Rd E & Washington Pike City: Corryton

|                  |      |          |                 |          |        |           |      |          |           |                 | Printed | - Cars,    | PU, Var   |           |                 |          |        |           |      |          |                    |     |      |            |                   |
|------------------|------|----------|-----------------|----------|--------|-----------|------|----------|-----------|-----------------|---------|------------|-----------|-----------|-----------------|----------|--------|-----------|------|----------|--------------------|-----|------|------------|-------------------|
|                  |      |          | Robert<br>North |          |        |           |      |          |           | s Rd E<br>bound |         |            |           | W         | ashing<br>Eastb | ton Pike | 9      |           |      | v        | Vashingt<br>Westbo |     |      |            |                   |
| Start Time       | Left | Thru     |                 |          | Peds A | op. Total | Left | Thru     |           |                 | Peds A  | App. Total | Left      | Thru      |                 |          | Peds A | pp. Total | Left | Thru     |                    |     | Peds | App. Total | Int. Total        |
| 7:00 AM          | 0    | 0        | 0               | 0        | 0      | 0         | 0    | 0        | 40        | 0               | 0       | 40         | 21        | 14        | 0               | 0        | 0      | 35        | 0    | 28       | 0                  | 0   | 0    | 28         | 103               |
| 7:15 AM          | 0    | 0        | 0               | 0        | 0      | 0         | 2    | 0        | 50        | 0               | 0       | 52         | 19        | 22        | 0               | 0        | 0      | 41        | 0    | 43       | 2                  | 0   | 0    | 45         | 138               |
| 7:30 AM          | 0    | 0        | 0               | 0        | 0      | 0         | 2    | 0        | 50        | 0               | 0       | 52         | 26        | 22        | 0               | 0        | 0      | 48        | 0    | 45       | 3                  | 0   | 0    | 48         | 148               |
| 7:45 AM          | 0    | 0        | 0               | 0        | 0      | 0         | 2    | 0        | 45        | 0               | 0       | 47         | 30        | 12        | 0               | 0        | 0      | 42        | 0    | 28       | 6                  | 0   | 0    | 34         | 123               |
| Total            | 0    | 0        | 0               | 0        | 0      | 0         | 6    | 0        | 185       | 0               | 0       | 191        | 96        | 70        | 0               | 0        | 0      | 166       | 0    | 144      | 11                 | 0   | 0    | 155        | 512               |
| 8:00 AM          | 0    | 0        | 0               | 0        | 0      | 0         | 2    | 0        | 34        | 0               | 0       | 36         | 17        | 5         | 0               | 0        | 0      | 22        | 0    | 26       | 1                  | 0   | 0    | 27         | 85                |
| 8:15 AM          | 0    | 0        | 0               | 0        | 0      | 0         | 1    | 0        | 27        | 0               | 0       | 28         | 22        | 11        | 0               | 0        | 0      | 33        | 0    | 22       | 0                  | 0   | 0    | 22         | 83                |
| 8:30 AM          | 0    | 0        | 0               | 0        | 0      | 0         | 1    | 0        | 22        | 0               | 0       | 23         | 17        | 9         | 0               | 0        | 0      | 26        | 0    | 11       | 1                  | 0   | 0    | 12         | 61                |
| 8:45 AM          | 0    | 0        | 0               | 0        | 0      | 0         | 0    | 0        | 20        | 0               | 0       | 20         | 22        | 4         | 0               | 0        | 0      | 26        | 0    | 13       | 2                  | 0   | 0    | 15         | 61                |
| Total            | 0    | 0        | 0               | 0        | 0      | 0         | 4    | 0        | 103       | 0               | 0       | 107        | 78        | 29        | 0               | 0        | 0      | 107       | 0    | 72       | 4                  | 0   | 0    | 76         | 290               |
| ***BREAK***      |      |          |                 |          |        |           |      |          |           |                 |         |            |           |           |                 |          |        |           |      |          |                    |     |      |            |                   |
| 4:00 PM          | 0    | 0        | 0               | 0        | 0      | 0         | 1    | 0        | 37        | 0               | 0       | 38         | 38        | 24        | 0               | 0        | 0      | 62        | 0    | 18       | 0                  | 0   | 0    | 18         | 118               |
| 4:15 PM          | 0    | 0        | 0               | 0        | 0      | 0         | 4    | 0        | 23        | 0               | 0       | 27         | 50        | 21        | 0               | 0        | 0      | 71        | 0    | 13       | 0                  | 0   | 0    | 13         | 111               |
| 4:30 PM          | 0    | 0        | 0               | 0        | 0      | 0         | 0    | 0        | 32        | 0               | 0       | 32         | 50        | 37        | 0               | 0        | 0      | 87        | 0    | 16       | 2                  | 0   | 0    | 18         | 137               |
| 4:45 PM          | 0    | 0        | 0               | 0        | 0      | 0         | 3    | 0        | 24        | 0               | 0       | 27         | 40        | 29        | 0               | 0        | 0      | 69        | 0    | 12       | 1                  | 0   | 0    | 13         | 109               |
| Total            | 0    | 0        | 0               | 0        | 0      | 0         | 8    | 0        | 116       | 0               | 0       | 124        | 178       | 111       | 0               | 0        | 0      | 289       | 0    | 59       | 3                  | 0   | 0    | 62         | 475               |
| 5:00 PM          | 0    | 0        | 0               | 0        | 0      | 0         | 1    | 0        | 23        | 0               | 0       | 24         | 53        | 28        | 0               | 0        | 0      | 81        | 0    | 9        | 0                  | 0   | 0    | 9          | 114               |
| 5:15 PM          | 0    | 0        | 0               | 0        | 0      | 0         | 1    | 0        | 28        | 0               | 0       | 29         | 37        | 28        | 0               | 0        | 0      | 65        | 0    | 14       | 0                  | 0   | 0    | 14         | 108               |
| 5:30 PM          | 0    | 0        | 0               | 0        | 0      | 0         | 1    | 0        | 32        | 0               | 0       | 33         | 50        | 25        | 0               | 0        | 0      | 75        | 0    | 15       | 5                  | 0   | 0    | 20         | 128               |
| 5:45 PM          | 0    | 0        | 0               | 0        | 0      | 0         | 0    | 0        | 19<br>102 | 0               | 0       | 19<br>105  | 51<br>191 | 31<br>112 | 0               | 0        | 0      | 82<br>303 | 0    | 9<br>47  | 0                  | 0   | 0    | 9          | <u>110</u><br>460 |
| Total            | 0    | -        | -               | 0        | -      | 0         | Ū    | -        |           | 0               | -       |            |           |           | -               | -        |        |           | Ū    |          | -                  | -   | Ū    | 52         |                   |
| Grand Total      | 0    | 0        | 0               | 0        | 0      | 0         | 21   | 0        | 506       | 0               | 0       | 527        | 543       | 322       | 0               | 0        | 0      | 865       | 0    | 322      | 23                 | 0   | 0    | 345        | 1737              |
| Apprch %         | 0.0  | 0.0      | 0.0             | 0.0      | 0.0    |           | 4.0  | 0.0      | 96.0      | 0.0             | 0.0     |            | 62.8      | 37.2      | 0.0             | 0.0      | 0.0    |           | 0.0  | 93.3     | 6.7                | 0.0 | 0.0  |            |                   |
| Total %          | 0.0  | 0.0      | 0.0             | 0.0      | 0.0    | 0.0       | 1.2  | 0.0      | 29.1      | 0.0             | 0.0     | 30.3       | 31.3      | 18.5      | 0.0             | 0.0      | 0.0    | 49.8      | 0.0  | 18.5     | 1.3                | 0.0 | 0.0  | 19.9       | 1070              |
| Cars, PU, Vans   | 0    | 0        | 0               | 0        |        | 0         | 20   | 0        | 489       | 0               |         | 509        | 525       | 309       | 0               | 0        |        | 834       | 0    | 314      | 21                 | 0   |      | 335        | 1678              |
| % Cars, PU, Vans | 0.0  | 0.0      | 0.0             | 0.0      |        | 0.0       | 95.2 | 0.0      | 96.6      | 0.0             |         | 96.6       | 96.7      | 96.0      | 0.0             | 0.0      |        | 96.4      | 0.0  | 97.5     | 91.3               | 0.0 |      | 97.1       | 96.6              |
| Heavy trucks     | 0    | 0<br>0.0 | 0<br>0.0        | 0<br>0.0 |        | 0         | 1    | 0<br>0.0 | 17<br>3.4 | 0<br>0.0        |         | 18         | 18<br>3.3 | 13<br>4.0 | 0<br>0.0        | 0<br>0.0 |        | 31        | 0    | 8<br>2.5 | 2<br>8.7           | 0   |      | 10         | 59<br>3.4         |
| %Heavy trucks    | 0.0  | 0.0      | 0.0             | 0.0      |        | 0.0       | 4.8  | 0.0      | 3.4       | 0.0             |         | 3.4        | 3.3       | 4.0       | 0.0             | 0.0      |        | 3.6       | 0.0  | 2.5      | ŏ./                | 0.0 |      | 2.9        | 3.4               |

#### Project ID: 23-190064-003 Location: Roberts Rd E & Washington Pike City: Corryton

### **PEAK HOURS**

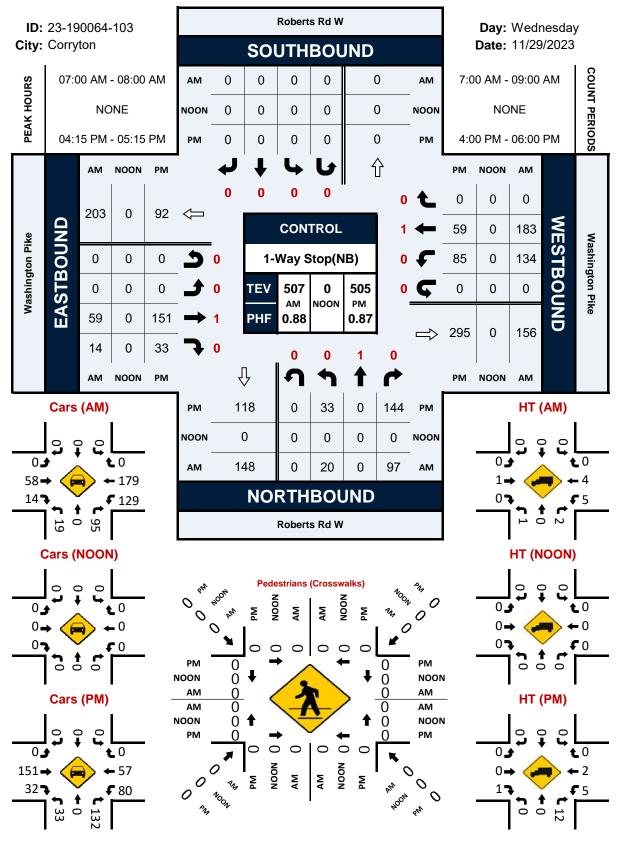
Day: Wednesday Date: 11/29/2023

Roberts Rd E Roberts Rd E Washington Pike Washington Pike Northbound Southbound Eastbound Westbound Start Time Left Thru Rgt Uturn App. Total Peak Hour Analysis from 07:00 AM - 09:00 AM Peak Hour for Entire Intersection Begins at 07:00 AM 7:00 AM 7:15 AM 7:30 AM Ω 7:45 AM Total Volume 0.0 0.0 0.0 0.0 0.0 3.1 0.0 96.9 57.8 42.2 0.0 0.0 92.9 7.1 % App. Total 0.0 0.0 PHF 0.865 0.918 0.865 0.807 Cars, PU, Vans % Cars, PU, Van 0.0 0.0 0.0 0.0 0.0 83.3 0.0 96.2 0.0 95.8 96.9 97.1 0.0 0.0 97.0 0.0 98.6 100.0 0.0 98.7 97.1 Heavy trucks 16.7 0.0 %Heavy trucks 0.0 0.0 0.0 0.0 0.0 0.0 3.8 4.2 3.1 2.9 0.0 0.0 3.0 0.0 1.4 0.0 0.0 1.3 2.9 РМ Roberts Rd E Roberts Rd E Washington Pike Washington Pike Northbound Southbound Eastbound Westbound Left Thru Rgt Uturn App. Total Start Time Peak Hour Analysis from 04:00 PM - 06:00 PM Peak Hour for Entire Intersection Begins at 04:00 PM 4:00 PM 4:15 PM 4:30 PM 4:45 PM Ω Total Volume % App. Total 0.0 0.0 0.0 0.0 6.5 0.0 93.5 0.0 61.6 38.4 0.0 0.0 0.0 95.2 4.8 0.0 PHF 0.816 0.830 0.86 0.867 Cars, PU, Vans 0.0 0.0 100.0 96.6 0.0 96.8 94.4 96.4 95.2 96.8 95.8 % Cars, PU, Van 0.0 0.0 0.0 0.0 0.0 0.0 0.0 96.6 100.0 0.0 Heavy trucks - 2 4.8 3.2 4.2 %Heavy trucks 0.0 0.0 0.0 0.0 0.0 0.0 0.0 3.4 0.0 3.2 5.6 3.6 0.0 0.0 0.0 3.4 0.0 0.0

AM

# Roberts Rd W & Washington Pike

# Peak Hour Turning Movement Count



#### Project ID: 23-190064-103 Location: Roberts Rd W & Washington Pike City: Corryton

|                    |        |      |                   |     |        |           |      |        |                 |        | Printed - | Cars,     | PU, Var |          |                 |         |        |           |          |          |                    |        |        |           |            |
|--------------------|--------|------|-------------------|-----|--------|-----------|------|--------|-----------------|--------|-----------|-----------|---------|----------|-----------------|---------|--------|-----------|----------|----------|--------------------|--------|--------|-----------|------------|
|                    |        |      | Roberts<br>Northb |     |        |           |      | I      | Robert<br>South | s Rd W |           |           |         | w        | ashing<br>Eastb | ton Pik | B      |           |          | v        | Vashingt<br>Westbo |        |        |           |            |
| Start Time         | Left   | Thru |                   |     | Peds A | pp. Total | Left | Thru   |                 |        | Peds Ap   | op. Total | Left    | Thru     |                 |         | Peds A | pp. Total | Left     | Thru     | Rqt                |        | Peds A | pp. Total | Int. Total |
| 7:00 AM            | 4      | 0    | 20                | 0   | 0      | 24        | 0    | 0      | 0               | 0      | 0         | 0         | 0       | 10       | 4               | 0       | 0      | 14        | 21       | 47       | 0                  | 0      | 0      | 68        | 106        |
| 7:15 AM            | 7      | 0    | 22                | 0   | 0      | 29        | 0    | 0      | 0               | 0      | 0         | 0         | 0       | 15       | 5               | 0       | 0      | 20        | 37       | 49       | 0                  | 0      | 0      | 86        | 135        |
| 7:30 AM            | 6      | 0    | 31                | 0   | 0      | 37        | 0    | 0      | 0               | 0      | 0         | 0         | 0       | 17       | 2               | 0       | 0      | 19        | 45       | 49       | 0                  | 0      | 0      | 94        | 150        |
| 7:45 AM            | 3      | 0    | 24                | 0   | 0      | 27        | 0    | 0      | 0               | 0      | 0         | 0         | 0       | 17       | 3               | 0       | 0      | 20        | 31       | 38       | 0                  | 0      | 0      | 69        | 116        |
| Total              | 20     | 0    | 97                | 0   | 0      | 117       | 0    | 0      | 0               | 0      | 0         | 0         | 0       | 59       | 14              | 0       | 0      | 73        | 134      | 183      | 0                  | 0      | 0      | 317       | 507        |
| 8:00 AM            | 10     | 0    | 8                 | 0   | 0      | 18        | 0    | 0      | 0               | 0      | 0         | 0         | 0       | 11       | 2               | 0       | 0      | 13        | 23       | 32       | 0                  | 0      | 0      | 55        | 86         |
| 8:15 AM            | 8      | 0    | 17                | 0   | 0      | 25        | 0    | 0      | 0               | 0      | 0         | 0         | 0       | 15       | 3               | 0       | 0      | 18        | 18       | 30       | 0                  | 0      | 0      | 48        | 91         |
| 8:30 AM            | 8      | 0    | 11                | 0   | 0      | 19        | 0    | 0      | 0               | 0      | 0         | 0         | 0       | 13       | 7               | 0       | 0      | 20        | 16       | 16       | 0                  | 0      | 0      | 32        | 71         |
| 8:45 AM            | 4      | 0    | 15                | 0   | 0      | 19        | 0    | 0      | 0               | 0      | 0         | 0         | 0       | 9        | 7               | 0       | 0      | 16        | 9        | 22       | 0                  | 0      | 0      | 31        | 66         |
| Total              | 30     | 0    | 51                | 0   | 0      | 81        | 0    | 0      | 0               | 0      | 0         | 0         | 0       | 48       | 19              | 0       | 0      | 67        | 66       | 100      | 0                  | 0      | 0      | 166       | 314        |
| ***BREAK***        |        |      |                   |     |        |           |      |        |                 |        |           |           |         |          |                 |         |        |           |          |          |                    |        |        |           |            |
| 4:00 PM            | 3      | 0    | 30                | 0   | 0      | 33        | 0    | 0      | 0               | 0      | 0         | 0         | 0       | 30       | 5               | 0       | 0      | 35        | 26       | 26       | 0                  | 0      | 0      | 52        | 120        |
| 4:15 PM            | 11     | 0    | 37                | 0   | 0      | 48        | 0    | 0      | 0               | 0      | 0         | 0         | 0       | 30       | 7               | 0       | 0      | 37        | 21       | 12       | 0                  | 0      | 0      | 33        | 118        |
| 4:30 PM            | 9      | 0    | 35                | 0   | 0      | 44        | 0    | 0      | 0               | 0      | 0         | 0         | 0       | 47       | 7               | 0       | 0      | 54        | 22       | 21       | 0                  | 0      | 0      | 43        | 141        |
| 4:45 PM            | 7      | 0    | 31                | 0   | 0      | 38        | 0    | 0      | 0               | 0      | 0         | 0         | 0       | 36       | 11              | 0       | 0      | 47        | 23       | 13       | 0                  | 0      | 0      | 36        | 121        |
| Total              | 30     | 0    | 133               | 0   | 0      | 163       | 0    | 0      | 0               | 0      | 0         | 0         | 0       | 143      | 30              | 0       | 0      | 173       | 92       | 72       | 0                  | 0      | 0      | 164       | 500        |
| 5:00 PM            | 6      | 0    | 41                | 0   | 0      | 47        | 0    | 0      | 0               | 0      | 0         | 0         | 0       | 38       | 8               | 0       | 0      | 46        | 19       | 13       | 0                  | 0      | 0      | 32        | 125        |
| 5:15 PM<br>5:30 PM | 4      | 0    | 33<br>30          | 0   | 0<br>0 | 37<br>35  | 0    | 0<br>0 | 0               | 0      | 0         | 0         | 0       | 32<br>38 | 4<br>4          | 0<br>0  | 0      | 36<br>42  | 18<br>23 | 22<br>20 | 0<br>0             | 0      | 0<br>0 | 40<br>43  | 113        |
| 5:30 PM<br>5:45 PM | 5<br>4 | 0    | 30<br>29          | 0   | 0      | 35<br>33  | 0    | 0      | 0               | 0      | 0         | 0         | 0       | 38<br>50 | 4               | 0       | 0      | 42<br>52  | 23<br>14 | 20<br>13 | 0                  | 0<br>0 | 0      | 43<br>27  | 120<br>112 |
| 5.45 PM<br>Total   | 19     | 0    | 133               | 0   | 0      | 152       | 0    | 0      | 0               | 0      | 0         | 0         | 0       | 158      | 18              | 0       | 0      | 176       | 74       | 68       | 0                  | 0      | 0      | 142       | 470        |
|                    |        |      |                   |     |        |           |      |        |                 |        |           | -1        |         |          |                 |         |        |           |          |          |                    |        |        | 1         |            |
| Grand Total        | 99     | 0    | 414               | 0   | 0      | 513       | 0    | 0      | 0               | 0      | 0         | 0         | 0       | 408      | 81              | 0       | 0      | 489       | 366      | 423      | 0                  | 0      | 0      | 789       | 1791       |
| Apprch %           | 19.3   | 0.0  | 80.7              | 0.0 | 0.0    |           | 0.0  | 0.0    | 0.0             | 0.0    | 0.0       |           | 0.0     | 83.4     | 16.6            | 0.0     | 0.0    |           | 46.4     | 53.6     | 0.0                | 0.0    | 0.0    |           |            |
| Total %            | 5.5    | 0.0  | 23.1              | 0.0 | 0.0    | 28.6      | 0.0  | 0.0    | 0.0             | 0.0    | 0.0       | 0.0       | 0.0     | 22.8     | 4.5             | 0.0     | 0.0    | 27.3      | 20.4     | 23.6     | 0.0                | 0.0    | 0.0    | 44.1      |            |
| Cars, PU, Vans     | 98     | 0    | 395               | 0   |        | 493       | 0    | 0      | 0               | 0      |           | 0         | 0       | 401      | 80              | 0       |        | 481       | 351      | 413      | 0                  | 0      |        | 764       | 1738       |
| % Cars, PU, Vans   | 99.0   | 0.0  | 95.4              | 0.0 |        | 96.1      | 0.0  | 0.0    | 0.0             | 0.0    |           | 0.0       | 0.0     | 98.3     | 98.8            | 0.0     |        | 98.4      | 95.9     | 97.6     | 0.0                | 0.0    |        | 96.8      | 97.0       |
| Heavy trucks       | 1      | 0    | 19                | 0   |        | 20        | 0    | 0      | 0               | 0      |           | 0         | 0       | 7        | 1               | 0       |        | 8         | 15       | 10       | 0                  | 0      |        | 25        | 53         |
| %Heavy trucks      | 1.0    | 0.0  | 4.6               | 0.0 |        | 3.9       | 0.0  | 0.0    | 0.0             | 0.0    |           | 0.0       | 0.0     | 1.7      | 1.2             | 0.0     |        | 1.6       | 4.1      | 2.4      | 0.0                | 0.0    |        | 3.2       | 3.0        |

### Project ID: 23-190064-103 Location: Roberts Rd W & Washington Pike City: Corryton

### **PEAK HOURS**

Day: Wednesday Date: 11/29/2023

| Roberts Rd W     Washington Pike       Start Time     Left     Thru     Rgt     Uturn     App. Total     Left     Thru     Rgt     Uturn     App. Total     Left     Thru     Rgt     Uturn     App. Total       Start Time     Left     Thru     Rgt     Uturn     App. Total     Left     Thru     Rgt     Uturn     App. Total       Peak Hour for Entire Intersection Begins at 07:00 AN     Pice     V   | Left                               |                                    | nington I<br>estboun              | Pike                         |  |  |
|---|------------------------------------|------------------------------------|-----------------------------------|------------------------------|--|--|
| Start Time Left Thru Rgt Uturn App. Total Left Thru Rgt Uturn App. Total Left Thru App. Total Left Thru Rgt Uturn App. Total Peak Hour Analysis from 07:00 AM - 09:00 AM  | Left                               | -                                  |                                   |                              |  |  |
| Peak Hour Analysis from 07:00 AM - 09:00 AV   | Left                               | Thru                               |                                   | -                            |  |  |
|   |                                    |                                    | Rgt                               | Uturn                        | App. Total   | Int. Tota                                      |
| Peak Hour for Entire Intersection Begins at 07:00 AM  |                                    |                                    |                                   |                              |  |  |
|   |                                    |                                    |                                   |                              |  |  |
| 7:00 AM 4 0 20 0 24 0 0 0 0 0 0 10 4 0 14   | 21                                 | 47                                 | 0                                 | 0                            | 68   | 10   |
| 7:15 AM 7 0 22 0 29 0 0 0 0 0 15 5 0 20   | 37                                 | 49                                 | 0                                 | 0                            | 86   | 13   |
| 7:30 AM 6 0 31 0 37 0 0 0 0 0 17 2 0 19   | 45                                 | 49                                 | 0                                 | 0                            | 94   | 15   |
| 7:45 AM 3 0 24 0 27 0 0 0 0 0 17 3 0 20   | 31                                 | 38                                 | 0                                 | 0                            | 69   | 11   |
| Total Volume 20 0 97 0 117 0 0 0 0 0 0 59 14 0 73   | 134                                | 183                                | 0                                 | 0                            | 317  | 50   |
| % App. Total 17.1 0.0 82.9 0.0 100 0.0 0.0 0.0 0.0 0 0.0 80.8 19.2 0.0 100  | 42.3                               | 57.7                               | 0.0                               | 0.0                          | 100  |  |
| PHF 0.797 0.864   |                                    |                                    |                                   |                              | 0.853  | 0.87   |
| Cars, PU, Vans 19 0 95 0 114 0 0 0 0 0 0 58 14 0 72   | 129                                | 179                                | 0                                 | 0                            | 308  | 49   |
| % Cars, PU, Vans 95.0 0.0 97.9 0.0 97.4 0.0 0.0 0.0 0.0 0.0 0.0 98.3 100.0 0.0 98.6   | 96.3                               | 97.8                               | 0.0                               | 0.0                          | 97.2   | 97.  |
| Heavy trucks 1 0 2 0 3 0 0 0 0 0 0 1 0 0 1  | 5                                  | 4                                  | 0                                 | 0                            | 9  | 1  |
| %Heavy trucks 5.0 0.0 2.1 0.0 2.6 0.0 0.0 0.0 0.0 0.0 0.0 1.7 0.0 0.0 1.4   | 3.7                                | 2.2                                | 0.0                               | 0.0                          | 2.8  | 2  |
| РМ  |                                    |                                    |                                   |                              |  |  |
| Roberts Rd W Roberts Rd W Washington Pike   |                                    |                                    | nington                           |                              |  |  |
| Northbound Southbound Eastbound   |                                    |                                    | estboun                           |                              |  |  |
|   |                                    |                                    | Rat                               |                              |  |  |
|   | Left 1                             | Thru                               | Ryi                               | Uturn                        | App. Total   | Int. Tot                                       |
| Peak Hour Analysis from 04:00 PM - 06:00 PV   | Left                               | Inru                               | Nyi                               | Uturn                        | App. Total   | Int. Tot                                       |
| Peak Hour Analysis from 04:00 PM - 06:00 PV   | Left                               | Inru                               | Rgi                               | Uturn                        | App. Total   | Int. Tot                                       |
| Peak Hour Analysis from 04:00 PM - 06:00 PV   | Left 7                             | 11ru<br>12                         | <u>r gi</u><br>0                  | Uturn ,                      | App. Total   |  |
| Peak Hour Analysis from 04:00 PM - 06:00 PM<br>Peak Hour for Entire Intersection Begins at 04:15 PN   |                                    |                                    | 0                                 |                              |  | 11   |
| Peak Hour Analysis from 04:00 PM - 06:00 PM           Peak Hour for Entire Intersection Begins at 04:15 PM           4:15 PM         11         0         37         0         48         0         0         0         0         30         7         0         37   | 21                                 | 12                                 | 0                                 | 0                            | 33   | 1 <sup>-</sup><br>14                           |
| Peak Hour Analysis from 04:00 PM - 06:00 PM         Peak Hour for Entire Intersection Begins at 04:15 PM           4:15 PM         11         0         37         0         48         0         0         0         0         30         7         0         37           4:15 PM         11         0         37         0         48         0         0         0         0         30         7         0         37           4:30 PM         9         0         35         0         44         0         0         0         0         47         7         0         54  | 21<br>22                           | 12<br>21                           | 0                                 | 0                            | 33<br>43   | 1<br>1<br>1                                    |
| Peak Hour Analysis from 04:00 PM - 06:00 PM         9         9         9         9         9         9         9         9         9         9         9         9         9         4         9         0         35         0         44         0         0         0         0         0         47         7         0         54           4:30 PM         9         0         35         0         44         0         0         0         0         47         7         0         54           4:45 PM         7         0         31         0         38         0         0         0         0         36         11         0         47  | 21<br>22<br>23                     | 12<br>21<br>13                     | 0<br>0<br>0                       | 0<br>0<br>0                  | 33<br>43<br>36                                     | 1<br>14<br>12<br>12                            |
| Peak Hour Analysis from 04:00 PM - 06:00 PM         9         10         10         10<   | 21<br>22<br>23<br>19<br>85         | 12<br>21<br>13<br>13               | 0<br>0<br>0<br>0                  | 0<br>0<br>0<br>0             | 33<br>43<br>36<br>32                               | 1<br>14<br>12<br>12                            |
| Peak Hour Analysis from 04:00 PM - 06:00 PM         3         3         4         3         4         3         4         3         4         3         7         0         37         7         7         37         7 </td <td>21<br/>22<br/>23<br/>19<br/>85</td> <td>12<br/>21<br/>13<br/>13<br/>59</td> <td>0<br/>0<br/>0<br/>0<br/>0</td> <td>0<br/>0<br/>0<br/>0<br/>0</td> <td>33<br/>43<br/>36<br/>32<br/>144</td> <td>1<br/>1<br/>1<br/>1<br/>1<br/>5</td>  | 21<br>22<br>23<br>19<br>85         | 12<br>21<br>13<br>13<br>59         | 0<br>0<br>0<br>0<br>0             | 0<br>0<br>0<br>0<br>0        | 33<br>43<br>36<br>32<br>144                        | 1<br>1<br>1<br>1<br>1<br>5                     |
| Peak Hour Analysis from 04:00 PM - 06:00 PM         Peak Hour for Entire Intersection Begins at 04:15 PN           4:15 PM         11         0         37         0         48         0         0         0         0         30         7         0         37           4:15 PM         11         0         37         0         48         0         0         0         0         0         47         7         0         54           4:45 PM         7         0         31         0         38         0         0         0         0         36         11         0         47           5:00 PM         6         0         41         0         77         0         54         38         8         0         46         0         0         0         0         36         11         0         47           5:00 PM         6         0         41         0         47         0         0         0         0         38         8         0         46           5:00 PM         6         0         41         0         177         0         0         0         0         133         0         184  | 21<br>22<br>23<br>19<br>85         | 12<br>21<br>13<br>13<br>59         | 0<br>0<br>0<br>0<br>0             | 0<br>0<br>0<br>0<br>0        | 33<br>43<br>36<br>32<br>144<br>100                 | 1<br>1<br>1<br>1<br>5<br>0.8                   |
| Peak Hour Analysis from 04:00 PM - 06:00 PM         Peak Hour for Entire Intersection Begins at 04:15 PN         4:15 PM       11       0       37       0       48       0       0       0       0       30       7       0       37         4:15 PM       11       0       37       0       48       0       0       0       0       0       30       7       0       37         4:30 PM       9       0       35       0       44       0       0       0       0       47       7       0       54         4:45 PM       7       0       31       0       38       0       0       0       0       36       11       0       47         5:00 PM       6       0       41       0       47       0       0       0       0       38       8       0       46         Total Volume       33       0       144       0       177       0       0       0       0       0       151       33       0       184         % App. Total       18.6       0.0       81.4       0.0       0.0       0.0       0.0       0.0       0.82.1  | 21<br>22<br>23<br>19<br>85<br>59.0 | 12<br>21<br>13<br>13<br>59<br>41.0 | 0<br>0<br>0<br>0<br>0<br>0<br>0.0 | 0<br>0<br>0<br>0<br>0<br>0.0 | 33<br>43<br>36<br>32<br>144<br>100<br>0.809        | 1<br>1,<br>1;<br>1;<br>5;<br>0.8               |
| Peak Hour Analysis from 04:00 PM - 06:00 PM         Peak Hour for Entire Intersection Begins at 04:15 PN         9         9         0         37         0         38         0         46         10         47         0         0         0         0         0         0 </td <td>21<br/>22<br/>23<br/>19<br/>85<br/>59.0</td> <td>12<br/>21<br/>13<br/>13<br/>59<br/>41.0</td> <td>0<br/>0<br/>0<br/>0<br/>0.0</td> <td>0<br/>0<br/>0<br/>0<br/>0.0</td> <td>33<br/>43<br/>36<br/>32<br/>144<br/>100<br/>0.809<br/>137</td> <td>11<br/>11<br/>12<br/>12<br/>50<br/>0.86<br/>48<br/>96</td> | 21<br>22<br>23<br>19<br>85<br>59.0 | 12<br>21<br>13<br>13<br>59<br>41.0 | 0<br>0<br>0<br>0<br>0.0           | 0<br>0<br>0<br>0<br>0.0      | 33<br>43<br>36<br>32<br>144<br>100<br>0.809<br>137 | 11<br>11<br>12<br>12<br>50<br>0.86<br>48<br>96 |

AM

## TABLE 4 - 1 GENERALIZED ANNUAL AVERAGE DAILY VOLUMES FOR FLORIDA'S **URBANIZED AREAS\***

|                        | UNIN   | TERRUP   | TED FLO  | OW HIGH                             | WAYS           |                 |                      |                                      | F   | REEWAY  | S   |                                      |               |
|------------------------|--|--|--|-------------------------------------|----------------|-----------------|----------------------|--------------------------------------|---|---|---|--------------------------------------|---------------|
|                        |  |  | Le   | evel of Serv                        | vice           |                 | Interchang           | ge spacing $\geq 2$                  | mi. apart   |   |   |                                      |               |
| Lanes                  | s Divided  | А  | В  | С                                   | D              | Е               |                      |                                      | Le  | vel of Servi                                    | ice   |                                      |               |
| 2                      | Undivided  | 2,000  | 7,000  | 13,800                              | 19,600         | 27,000          | Lanes                | А                                    | В   | С   | D   | Е                                    |               |
| 4                      | Divided  | 20,400   | 33,000   | 47,800                              | 61,800         | 70,200          | 4                    | 23,800                               | 39,600  | 55,200  | 67,100  | 74,600                               |               |
| 6                      | Divided  | 30,500   | 49,500   | 71,600                              | 92,700         | 105,400         | 6                    | 36,900                               | 61,100  | 85,300  | 103,600   | 115,300                              |               |
|                        |  |  |  | ARTERIA                             |                |                 | 8                    | 49,900                               | 82,700  | 115,300   | 140,200   | 156,000                              |               |
| Class                  | I (>0.00 to 1.   | 99 signali   |  | ections per<br>evel of Serv         |                |                 | 10<br>12             | 63,000<br>75,900                     | 104,200<br>125,800                                | 145,500<br>175,500                              | 176,900   | 196,400                              |               |
| [ 0.000                | Divided  | А  | B  | C C                                 | D              | Е               | 12                   | 75,900                               | 125,800   | 175,500   | 213,500   | 237,100                              |               |
| Lanes<br>2             | Undivided  | **   | 4,200  | 13,800                              | 16,400         | 16,900          | Interchand           | ge spacing $< 2$                     | mi anart  |   |   |                                      |               |
| 4                      | Divided  | 4,800  | 29,300   | 34,700                              | 35.700         | ***             | interentang          | se spacing < 2                       |   | vel of Servi                                    | ice   |                                      |               |
| 6                      | Divided  | 7,300  | 44,700   | 52,100                              | 53,500         | ***             | Lanes                | А                                    | В   | C   | D   | Е                                    |               |
| 8                      | Divided  | 9,400  | 58,000   | 66,100                              | 67,800         | ***             | 4                    | 22,000                               | 36,000  | 52,000  | 67,200  | 76,500                               |               |
|                        |  |  |  |                                     |                |                 | 6                    | 34,800                               | 56,500  | 81,700  | 105,800   | 120,200                              |               |
| Class                  | II (2.00 to 4.5  | 50 signali:  | zed interse  | ctions per                          | mile)          |                 | 8                    | 47,500                               | 77,000  | 111,400   | 144,300   | 163,900                              |               |
|                        |  |  | L  | evel of Ser                         | vice           |                 | 10                   | 60,200                               | 97,500  | 141,200   | 182,600   | 207,600                              |               |
|                        | s Divided  | А  | В  | С                                   | D              | E               | 12                   | 72,900                               | 118,100   | 170,900   | 221,100   | 251,200                              |               |
| 2                      | Undivided  | **   | 1,900  | 11,200                              | 15,400         | 16,300          |                      |                                      |   |   |   |                                      |               |
| 4                      | Divided  | **   | 4,100  | 26,000                              | 32,700         | 34,500          |                      |                                      |   |   |   |                                      |               |
| 6                      | Divided  | **   | 6,500  | 40,300                              | 49,200         | 51,800          |                      |                                      |   | YCLE MC   |   |                                      |               |
| 8                      | Divided  | **   | 8,500  | 53,300                              | 63,800         | 67,000          |                      | vel of service f                     |   |   |   |                                      |               |
|                        |  |  |  |                                     |                |                 |                      | s at 40 mph po                       |   |   |   |                                      |               |
| Class                  | III (more that   |  |  |                                     |                | d not           |                      | facility.) (Mult                     |   |   |   |                                      |               |
|                        |  |  |  | usiness dist                        | trict of an    |                 | of directio          | onal roadway la                      | nes to deteri                                     | mine two-w                                      | ay maximu   | m service vo                         | lumes.)       |
|                        | urbanized  | 1 area ove   | r 750,000)   | 1                                   |                |                 | Dered                | Ch1.d/                               |   |   |   |                                      |               |
|                        |  |  | L  | evel of Serv                        | rico           |                 |                      | Shoulder/<br>cle Lane                |   |   | Level of Ser                                      | nui aa                               |               |
| anec                   | Divided  | А  | B  | C                                   | D              | Е               | -                    | verage                               | А   | В   | C   | D                                    | Е             |
| Lanes<br>2             | Undivided  | **   | ъ<br>**  | 5,300                               | 12,600         | 15,500          |                      | -49%                                 | **  | ъ<br>**   | 3,200   | 13,800                               | >13,800       |
| 4                      | Divided  | **   | **   | 12,400                              | 28,900         | 32,800          |                      | -84%                                 | **  | 2,500   | 4,100   | >4,100                               | ***           |
| 6                      | Divided  | **   | **   | 19,500                              | 44,700         | 49,300          |                      | -100%                                | 3,100   | 7,200   | >7,200  | ***                                  | ***           |
| 8                      | Divided  | **   | **   | 25,800                              | 58,700         | 63,800          |                      |                                      | -,  | .,  | ,   |                                      |               |
|                        |  |  |  |                                     |                |                 |                      |                                      | PEDE  | STRIAN N  | <b>IODE</b>                                       |                                      |               |
| Class                  | IV (more that  |  |  |                                     |                |                 |                      | vel of service f                     |   |   |   |                                      |               |
|                        | 1 2  | -  | l business   | district of                         | an urbaniz     | ed area         |                      | s at 40 mph po                       |   |   |   |                                      |               |
|                        | over 750,  | (000)  | _  |                                     |                |                 |                      | facility.) (Mult                     |   |   |   |                                      |               |
| r                      | D::1.1   | ٨  |  | evel of Serv                        |                | F               | directiona           | l roadway lane                       | s to determin                                     | •   |   |                                      | nes.)         |
| Lanes<br>2             | S Divided<br>Undivided   | A<br>**  | B<br>**  | C<br>5,200                          | D<br>13,700    | E<br>15,000     | Cidamal              | k Coverage                           | ٨   |   | Level of Sei<br>C                                 | D                                    | Е             |
| 2<br>4                 | Divided  | **   | **   | 5,200<br>12,300                     | 30,300         | 31,700          |                      | -49%                                 | A<br>**   | B<br>**   | с<br>**   | 6,400                                | 15,500        |
| <del>-</del><br>6      | Divided  | **   | **   | 19,100                              | 45,800         | 47,600          |                      | -49%<br>)-84%                        | **  | **  | **  | 9,900                                | 19,000        |
| 8                      | Divided  | **   | **   | 25,900                              | 59,900         | 62,200          |                      | -100%                                | **  | 2,200   | 11,300  | >11,300                              | ***           |
| -                      | Divided  |  |  | 20,000                              | ,              | 02,200          | 00                   | 100/0                                |   | _,_00   | 11,000  | , 11,000                             |               |
|                        |  | NON-ST   | ATE RO   | ADWAYS                              |                |                 |                      | в                                    | US MODE   | (Scheduled                                      | Fixed Rout  | te)                                  |               |
|                        |  |  |  | Roadways                            |                |                 |                      | D                                    |   | uses per ho                                     |   | )                                    |               |
|                        |  | 5  | evel of Ser  |                                     |                |                 | (Note: Buses         | per hour shown are                   |   |   |   | n of the higher tra                  | ffic flow.)   |
| Lanes                  | 5 Divided  | А  | В  | С                                   | D              | Е               |                      |                                      |   | ]   | Level of Ser                                      | rvice                                |               |
| 2                      | Undivided  | **   | **   | 9,100                               | 14,600         | 15,600          | Sidewal              | k Coverage                           | А   | В   | С   | D                                    | Е             |
| 4                      | Divided  | **   | **   | 21,400                              | 31,100         | 32,900          | 0-                   | -84%                                 | **  | >5  | <u>&gt;</u> 4                                     | <u>&gt;</u> 3                        | <u>&gt;</u> 2 |
| 6                      | Divided  | **   | **   | 33,400                              | 46,800         | 49,300          | 85-                  | 100%                                 | >6  | >4  | <u>&gt;</u> 3                                     | <u>&gt;</u> 2                        | <u>&gt;</u> 1 |
|                        |  |  |  |                                     |                |                 |                      | ARTERIAL                             | /NON-STA  | TE ROAD   | WAY ADI   | USTMENTS                             | 5             |
|                        |  | Other S  | ignalized l  | Roadways                            |                |                 |                      |                                      |   | ED/UNDIV  |   |                                      | -             |
|                        | (  |  |  | ion analysi                         | s)             |                 |                      | (alter cor                           | responding v                                      |   |   | d percent)                           |               |
|                        |  |  | evel of Ser  |                                     |                |                 | Lanes                | Median                               | Left Tur  | ns Lanes  | А   | djustment Fa                         | ctors         |
| i onor                 | s Divided  | А  | В  | С                                   | D              | Е               | 2                    | Divided                              | Y   |   |   | +5%                                  |               |
|                        | Undivided  | **   | **   | 4,800                               | 10,000         | 12,600          | 2                    | Undivided                            | Ν   |   |   | -20%                                 |               |
| 2                      | Divided  | **   | **   | 11,100                              | 21,700         | 25,200          | Multi                | Undivided                            | Y   | es  |   | -5%                                  |               |
|                        | Divideu  | D  | ent of Tra   | nsportation                         | n              | 02/22/02        | Multi                | Undivided                            | Ne  | D   |   | -25%                                 |               |
| 2                      |  | i Departm  |  |                                     |                | -               |                      |                                      |   |   |   |                                      |               |
| 2<br>4                 | e: Florida   | i Departm<br>18 Plannin  |  |                                     |                |                 |                      |                                      |   |   |   |                                      |               |
| 2<br>4                 | e: Florida<br>System   | ns Plannin   |  | 19                                  |                |                 |                      |                                      | ONE-W   | VAY FACI  | LITIES  |                                      |               |
| 2<br>4                 | e: Florida<br>System<br>605 Su   | ns Plannin<br>wannee S   | g Office   |                                     |                |                 | Dec                  | rease correspon                      |   |   |   | nis table by 4                       | 0% to         |
| 2<br>4<br>Sourc        | e: Florida<br>System<br>605 Su   | ns Plannin<br>wannee S<br>assee, FL                                  | g Office<br>treet, MS<br>32399-045                               | 50                                  | sm/los/def     | ault.htm        |                      | rease correspondered btain the equiv | nding two-di                                      | rectional v                                     | olumes in th                                      | •                                    |               |
| Sourc<br>http<br>*This | e: Florida<br>System<br>605 Su<br>Tallaha<br>://www11.my<br>table does not cor | ns Plannin<br>wannee S<br>assee, FL<br>florida.co<br>nstitute a star | g Office<br>treet, MS<br>32399-045<br>m/plannin<br>dard and shou | 50<br>ng/systems/<br>uld be used on | ly for general | planning applic | o<br>ations. The com | -                                    | nding two-di<br>alent one din<br>which this table | rectional vo<br>rectional vo<br>is derived shou | olumes in th<br>olume for or<br>old be used for r | ne-way facilit<br>nore specific plar | ies.          |

(based on K<sub>100</sub> factors) for levels of service and are for the automobile/truck modes unless specifically stated. Level of service letter grade thresholds are probably not comparable across modes and, therefore cross modal comparisons should be made with caution. Furthermore, combining levels of service of different modes into one overall roadway level of service is not recommended. The table's input value defaults and level of service criteria appear on the following page. Calculations are based on planning applications of the Highway Capacity Manual, Bicycle LOS Model, Pedestrian LOS Model and Transit Capacity and Quality of Service Manual, respectively for the automobile/truck, bicycle, pedestrian and bus modes. \*\*Cannot be achieved using table input value defaults. \*\*\*Not applicable for that level of service letter grade. For automobile/truck modes, volumes greater than level of service D become F because intersection capacities have been reached. For bicycle and

pedestrian modes, the level of service letter grade (including F) is not achievable, because there is no maximum vehicle volume threshold using table input value defaults.

# **Single-Family Detached Housing**

(210)

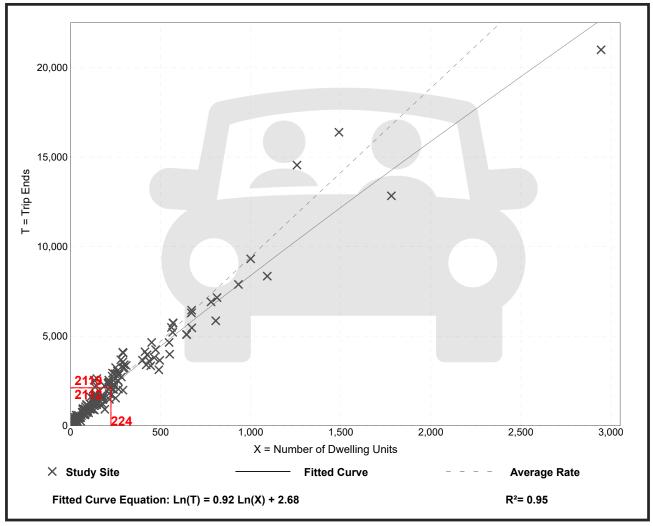
# Vehicle Trip Ends vs: Dwelling Units On a: Weekday

| Number of Studies:           | 174                       |
|------------------------------|---------------------------|
| Avg. Num. of Dwelling Units: | 246                       |
| Directional Distribution:    | 50% entering, 50% exiting |

# Vehicle Trip Generation per Dwelling Unit

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 9.43         | 4.45 - 22.61   | 2.13               |

# **Data Plot and Equation**



• Institute of Transportation Engineers

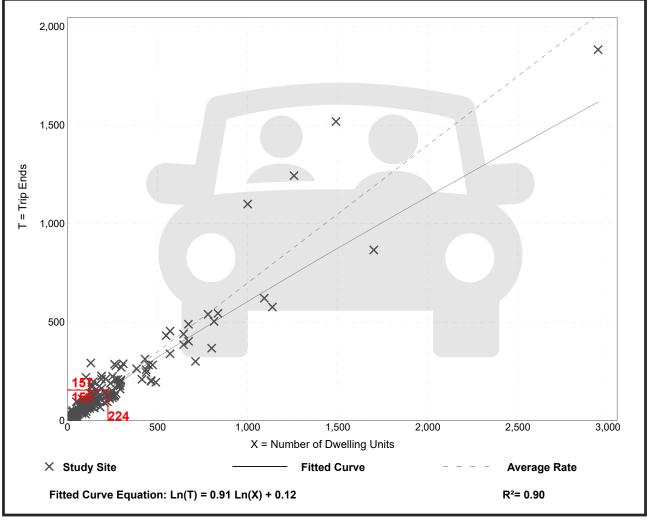
# Single-Family Detached Housing (210)

| Setting/Location:General Urban/SuburbanNumber of Studies:192Avg. Num. of Dwelling Units:226Directional Distribution:25% entering, 75% exiting | Vehicle Trip Ends vs:<br>On a: | Dwelling Units<br>Weekday,<br>Peak Hour of Adjacent Street Traffic,<br>One Hour Between 7 and 9 a.m. |
|---|--------------------------------|--|
| Avg. Num. of Dwelling Units: 226  | Setting/Location:              | General Urban/Suburban   |
|   | Number of Studies:             | 192  |
| Directional Distribution: 25% entering, 75% exiting   | Avg. Num. of Dwelling Units:   | 226  |
|   | Directional Distribution:      | 25% entering, 75% exiting  |

# Vehicle Trip Generation per Dwelling Unit

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.70         | 0.27 - 2.27    | 0.24               |

# **Data Plot and Equation**



• Institute of Transportation Engineers

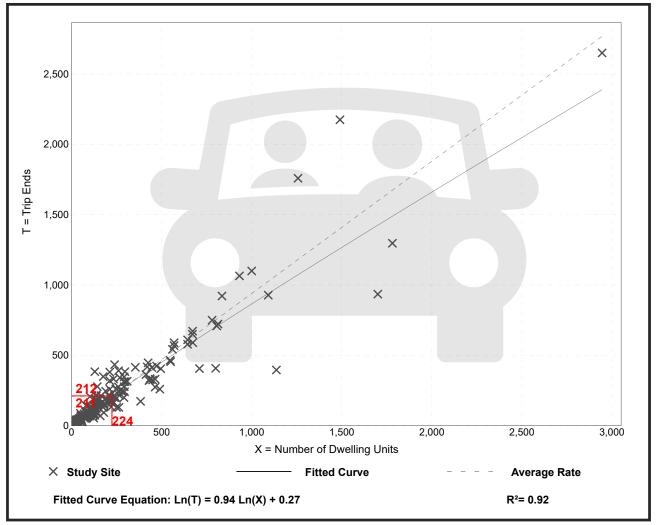
# Single-Family Detached Housing (210)

| Vehicle Trip Ends vs:<br>On a: | Dwelling Units<br>Weekday,<br>Peak Hour of Adjacent Street Traffic,<br>One Hour Between 4 and 6 p.m. |
|--------------------------------|--|
| Setting/Location:              | General Urban/Suburban   |
| Number of Studies:             | 208  |
| Avg. Num. of Dwelling Units:   | 248  |
| Directional Distribution:      | 63% entering, 37% exiting  |
|                                |  |

# Vehicle Trip Generation per Dwelling Unit

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.94         | 0.35 - 2.98    | 0.31               |

# **Data Plot and Equation**



• Institute of Transportation Engineers

# **Single-Family Detached Housing**

(210)

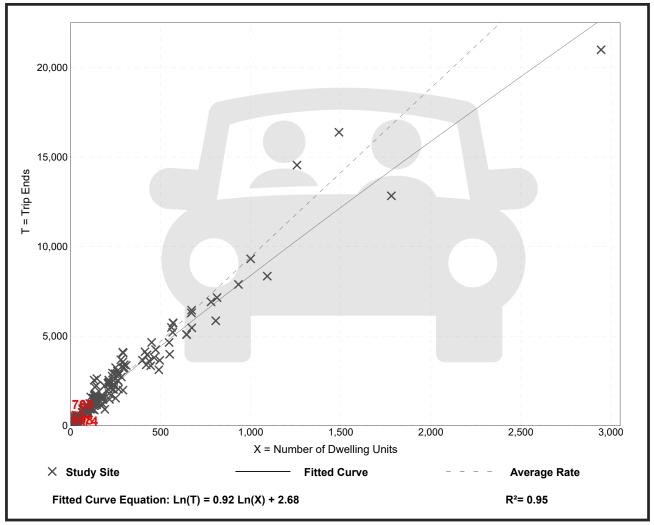
# Vehicle Trip Ends vs: Dwelling Units On a: Weekday

| Setting/Location:            | General Urban/Suburban    |
|------------------------------|---------------------------|
| Number of Studies:           | 174                       |
| Avg. Num. of Dwelling Units: | 246                       |
| Directional Distribution:    | 50% entering, 50% exiting |
|                              |                           |

# Vehicle Trip Generation per Dwelling Unit

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 9.43         | 4.45 - 22.61   | 2.13               |

# **Data Plot and Equation**



• Institute of Transportation Engineers

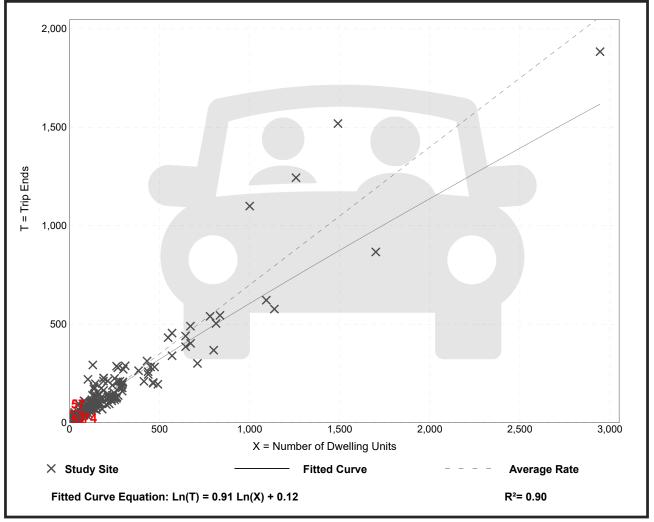
# Single-Family Detached Housing (210)

| Vehicle Trip Ends vs:<br>On a: | Dwelling Units<br>Weekday,<br>Peak Hour of Adjacent Street Traffic,<br>One Hour Between 7 and 9 a.m. |
|--------------------------------|--|
| Setting/Location:              | General Urban/Suburban   |
| Number of Studies:             | 192  |
| Avg. Num. of Dwelling Units:   | 226  |
| Directional Distribution:      | 25% entering, 75% exiting  |

# Vehicle Trip Generation per Dwelling Unit

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.70         | 0.27 - 2.27    | 0.24               |

# **Data Plot and Equation**



• Institute of Transportation Engineers

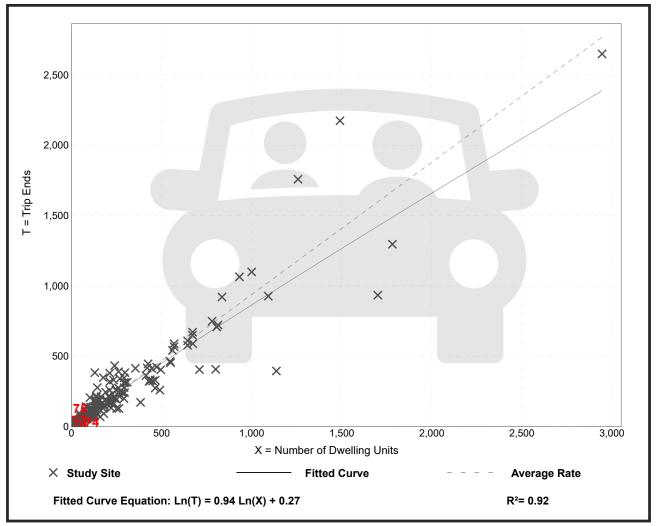
# Single-Family Detached Housing (210)

| Vehicle Trip Ends vs:<br>On a: | Dwelling Units<br>Weekday,<br>Peak Hour of Adjacent Street Traffic,<br>One Hour Between 4 and 6 p.m. |
|--------------------------------|--|
| Setting/Location:              | General Urban/Suburban   |
| Number of Studies:             | 208  |
| Avg. Num. of Dwelling Units:   | 248  |
| Directional Distribution:      | 63% entering, 37% exiting  |
|                                |  |

# Vehicle Trip Generation per Dwelling Unit

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.94         | 0.35 - 2.98    | 0.31               |

# **Data Plot and Equation**



• Institute of Transportation Engineers

| TABLE 5A  | Project No: 01203-0003                   |
|---|--|
| KNOX COUNTY LEFT-TURN LANE VOLUME THRESHOLDS                | Project Name: Roberts Rd Residential TIL |
| FOR 2-LANE ROADWAYS WITH A PREVAILING SPEED OF 36 TO 45 MPH | Notes: Existing Traffic                  |

| OPPOSING    | THROUGH VOLUME PLUS RIGHT-TURN VOLUME * |           |           |           |           |           |
|-------------|---|-----------|-----------|-----------|-----------|-----------|
| VOLUME      | 100 - 149                               | 150 - 199 | 200 - 249 | 250 - 299 | 300 - 349 | 350 - 399 |
| 100 - 149   | 250                                     | 180       | 140       | 110       | 80        | 70        |
| 150 - 199   | 200                                     | 140       | 105       | 90        | 70        | 60        |
| 200 - 249   | 160                                     | 115       | 85        | 75        | 65        | 55        |
| 250 - 299   | 130                                     | 100       | 75        | 65        | 60        | 50        |
| 300 - 349   | 110                                     | 90        | 70        | 60        | 55        | 45        |
| 350 - 399   | 100                                     | 80        | 65        | 55        | 50        | 40        |
| 400 - 449   | 90                                      | 70        | 60        | 50        | 45        | 35        |
| 450 - 499   | 80                                      | 65        | 55        | 45        | 40        | 30        |
| 500 - 549   | 70                                      | 60        | 45        | 35        | 35        | 25        |
| 550 - 599   | 65                                      | 55        | 40        | 35        | 30        | 25        |
| 600 - 649   | 60                                      | 45        | 35        | 30        | 25        | 25        |
| 650 - 699   | 55                                      | 35        | 35        | 30        | 25        | 20        |
| 700 - 749   | 50                                      | 35        | 30        | 25        | 20        | 20        |
| 750 or More | 45                                      | 35        | 25        | 25        | 20        | 20        |

(If the left-turn volume exceeds the table value a left-turn lane is needed)

| OPPOSING    | THROUGH VOLUME PLUS RIGHT-TURN VOLUME * |           |           |           |           |           |
|-------------|---|-----------|-----------|-----------|-----------|-----------|
| VOLUME      | 350 - 399                               | 400 - 449 | 450 - 499 | 500 - 549 | 550 - 599 | = / > 600 |
| 100 - 149   | 70                                      | 60        | 50        | 45        | 40        | 35        |
| 150 - 199   | 60                                      | 55        | 45        | 40        | 35        | 30        |
| 200 - 249   | 55                                      | 50        | 40        | 35        | 30        | 30        |
| 250 - 299   | 50                                      | 45        | 35        | 30        | 30        | 30        |
| 300 - 349   | 45                                      | 40        | 35        | 30        | 25        | 25        |
| 350 - 399   | 40                                      | 35        | 30        | 25        | 25        | 20        |
| 400 - 449   | 35                                      | 30        | 30        | 25        | 20        | 20        |
| 450 - 499   | 30                                      | 25        | 25        | 20        | 20        | 20        |
| 500 - 549   | 25                                      | 25        | 20        | 20        | 20        | 15        |
| 550 - 599   | 25                                      | 20        | 20        | 20        | 20        | 15        |
| 600 - 649   | 25                                      | 20        | 20        | 20        | 20        | 15        |
| 650 - 699   | 20                                      | 20        | 20        | 20        | 20        | 15        |
| 700 - 749   | 20                                      | 20        | 20        | 15        | 15        | 15        |
| 750 or More | 20                                      | 20        | 20        | 15        | 15        | 15        |

\* Or through volume only if a right-turn lane exists

| Intersection | Time Period | Opposing<br>Volume | Through<br>Volume | Left-Turn<br>Volume | Warrant<br>Threshold | Left-Turn Lane<br>Warranted<br>(Yes / No) |
|--------------|-------------|--------------------|-------------------|---------------------|----------------------|---|
| Rob. @ Wash  | AM Peak     | 155                | 70                | 96                  | 200                  | NO  |
| Rob. @ Wash  | PM Peak     | 62                 | 111               | 178                 | 250                  | NO  |
| Rob. @ Emory | AM Peak     | 142                | 172               | 126                 | 180                  | NO  |
| Rob. @ Emory | PM Peak     | 231                | 90                | 35                  | 160                  | NO  |

| TABLE 5B  |
|---|
| KNOX COUNTY RIGHT-TURN LANE VOLUME THRESHOLDS               |
| FOR 2-LANE ROADWAYS WITH A PREVAILING SPEED OF 36 TO 45 MPH |

| RIGHT-TURN    | THROUGH VOLUME PLUS LEFT-TURN VOLUME * |           |           |           |           |           |
|---------------|--|-----------|-----------|-----------|-----------|-----------|
| VOLUME        | < 100                                  | 100 - 199 | 200 - 249 | 250 - 299 | 300 - 349 | 350 - 399 |
| Fewer Than 25 |  |           |           |           |           |           |
| 25 - 49       |  |           |           |           |           |           |
| 50 - 99       |  |           |           |           |           |           |
| 100 - 149     |  |           |           |           |           |           |
| 150 - 199     |  |           |           |           |           |           |
| 200 - 249     |  |           |           |           |           | Yes       |
| 250 - 299     |  |           |           |           | Yes       | Yes       |
| 300 - 349     |  |           |           | Yes       | Yes       | Yes       |
| 350 - 399     |  |           | Yes       | Yes       | Yes       | Yes       |
| 400 - 449     |  |           | Yes       | Yes       | Yes       | Yes       |
| 450 - 499     |  | Yes       | Yes       | Yes       | Yes       | Yes       |
| 500 - 549     |  | Yes       | Yes       | Yes       | Yes       | Yes       |
| 550 - 599     | Yes                                    | Yes       | Yes       | Yes       | Yes       | Yes       |
| 600 or More   | Yes                                    | Yes       | Yes       | Yes       | Yes       | Yes       |

| RIGHT-TURN    |           | THROUGH VOLUME PLUS LEFT-TURN VOLUME * |           |           |           |           |
|---------------|-----------|--|-----------|-----------|-----------|-----------|
| VOLUME        | 350 - 399 | 400 - 449                              | 450 - 499 | 500 - 549 | 550 - 599 | = / > 600 |
| Fewer Than 25 |           |  |           |           |           |           |
| 25 - 49       |           |  |           |           | Yes       | Yes       |
| 50 - 99       |           |  |           | Yes       | Yes       | Yes       |
| 100 - 149     |           |  | Yes       | Yes       | Yes       | Yes       |
| 150 - 199     |           | Yes                                    | Yes       | Yes       | Yes       | Yes       |
| 200 - 249     | Yes       | Yes                                    | Yes       | Yes       | Yes       | Yes       |
| 250 - 299     | Yes       | Yes                                    | Yes       | Yes       | Yes       | Yes       |
| 300 - 349     | Yes       | Yes                                    | Yes       | Yes       | Yes       | Yes       |
| 350 - 399     | Yes       | Yes                                    | Yes       | Yes       | Yes       | Yes       |
| 400 - 449     | Yes       | Yes                                    | Yes       | Yes       | Yes       | Yes       |
| 450 - 499     | Yes       | Yes                                    | Yes       | Yes       | Yes       | Yes       |
| 500 - 549     | Yes       | Yes                                    | Yes       | Yes       | Yes       | Yes       |
| 550 - 599     | Yes       | Yes                                    | Yes       | Yes       | Yes       | Yes       |
| 600 or More   | Yes       | Yes                                    | Yes       | Yes       | Yes       | Yes       |

\* Or through volume only if a left-turn lane exists

| Intersection | Time Period | Through<br>Volume | Right-Turn<br>Volume | Right-Turn Lane<br>Warranted<br>(Yes / No) |
|--------------|-------------|-------------------|----------------------|--|
| Rob. @ Wash  | AM Peak     | 144               | 11                   | NO   |
| Rob. @ Wash  | PM Peak     | 59                | 3                    | NO   |
| Rob. @ Emory | AM Peak     | 92                | 50                   | NO   |
| Rob. @ Emory | PM Peak     | 156               | 75                   | NO   |

| TABLE 5A  | Project No: 01203-0003                   |
|---|--|
| KNOX COUNTY LEFT-TURN LANE VOLUME THRESHOLDS                | Project Name: Roberts Rd Residential TIL |
| FOR 2-LANE ROADWAYS WITH A PREVAILING SPEED OF 36 TO 45 MPH | Notes: Build-out Traffic                 |

| OPPOSING    | THROUGH VOLUME PLUS RIGHT-TURN VOLUME * |           |           |           |           |           |
|-------------|---|-----------|-----------|-----------|-----------|-----------|
| VOLUME      | 100 - 149                               | 150 - 199 | 200 - 249 | 250 - 299 | 300 - 349 | 350 - 399 |
| 100 - 149   | 250                                     | 180       | 140       | 110       | 80        | 70        |
| 150 - 199   | 200                                     | 140       | 105       | 90        | 70        | 60        |
| 200 - 249   | 160                                     | 115       | 85        | 75        | 65        | 55        |
| 250 - 299   | 130                                     | 100       | 75        | 65        | 60        | 50        |
| 300 - 349   | 110                                     | 90        | 70        | 60        | 55        | 45        |
| 350 - 399   | 100                                     | 80        | 65        | 55        | 50        | 40        |
| 400 - 449   | 90                                      | 70        | 60        | 50        | 45        | 35        |
| 450 - 499   | 80                                      | 65        | 55        | 45        | 40        | 30        |
| 500 - 549   | 70                                      | 60        | 45        | 35        | 35        | 25        |
| 550 - 599   | 65                                      | 55        | 40        | 35        | 30        | 25        |
| 600 - 649   | 60                                      | 45        | 35        | 30        | 25        | 25        |
| 650 - 699   | 55                                      | 35        | 35        | 30        | 25        | 20        |
| 700 - 749   | 50                                      | 35        | 30        | 25        | 20        | 20        |
| 750 or More | 45                                      | 35        | 25        | 25        | 20        | 20        |

(If the left-turn volume exceeds the table value a left-turn lane is needed)

| OPPOSING    | THROUGH VOLUME PLUS RIGHT-TURN VOLUME * |           |           |           |           |           |
|-------------|---|-----------|-----------|-----------|-----------|-----------|
| VOLUME      | 350 - 399                               | 400 - 449 | 450 - 499 | 500 - 549 | 550 - 599 | = / > 600 |
| 100 - 149   | 70                                      | 60        | 50        | 45        | 40        | 35        |
| 150 - 199   | 60                                      | 55        | 45        | 40        | 35        | 30        |
| 200 - 249   | 55                                      | 50        | 40        | 35        | 30        | 30        |
| 250 - 299   | 50                                      | 45        | 35        | 30        | 30        | 30        |
| 300 - 349   | 45                                      | 40        | 35        | 30        | 25        | 25        |
| 350 - 399   | 40                                      | 35        | 30        | 25        | 25        | 20        |
| 400 - 449   | 35                                      | 30        | 30        | 25        | 20        | 20        |
| 450 - 499   | 30                                      | 25        | 25        | 20        | 20        | 20        |
| 500 - 549   | 25                                      | 25        | 20        | 20        | 20        | 15        |
| 550 - 599   | 25                                      | 20        | 20        | 20        | 20        | 15        |
| 600 - 649   | 25                                      | 20        | 20        | 20        | 20        | 15        |
| 650 - 699   | 20                                      | 20        | 20        | 20        | 20        | 15        |
| 700 - 749   | 20                                      | 20        | 20        | 15        | 15        | 15        |
| 750 or More | 20                                      | 20        | 20        | 15        | 15        | 15        |

\* Or through volume only if a right-turn lane exists

| Intersection | Time Period | Opposing<br>Volume | Through<br>Volume | Left-Turn<br>Volume | Warrant<br>Threshold | Left-Turn Lane<br>Warranted<br>(Yes / No) |
|--------------|-------------|--------------------|-------------------|---------------------|----------------------|---|
| Rob. @ Wash  | AM Peak     | 158                | 70                | 120                 | 180                  | NO  |
| Rob. @ Wash  | PM Peak     | 63                 | 111               | 270                 | 250                  | YES                                       |
| Rob. @ Emory | AM Peak     | 145                | 172               | 135                 | 180                  | NO  |
| Rob. @ Emory | PM Peak     | 258                | 90                | 48                  | 110                  | NO  |

| TABLE 5B  |  |
|---|--|
| KNOX COUNTY RIGHT-TURN LANE VOLUME THRESHOLDS               |  |
| FOR 2-LANE ROADWAYS WITH A PREVAILING SPEED OF 36 TO 45 MPH |  |

| RIGHT-TURN    |       | THROUGH VOLUME PLUS LEFT-TURN VOLUME * |           |           |           |           |
|---------------|-------|--|-----------|-----------|-----------|-----------|
| VOLUME        | < 100 | 100 - 199                              | 200 - 249 | 250 - 299 | 300 - 349 | 350 - 399 |
| Fewer Than 25 |       |  |           |           |           |           |
| 25 - 49       |       |  |           |           |           |           |
| 50 - 99       |       |  |           |           |           |           |
| 100 - 149     |       |  |           |           |           |           |
| 150 - 199     |       |  |           |           |           |           |
| 200 - 249     |       |  |           |           |           | Yes       |
| 250 - 299     |       |  |           |           | Yes       | Yes       |
| 300 - 349     |       |  |           | Yes       | Yes       | Yes       |
| 350 - 399     |       |  | Yes       | Yes       | Yes       | Yes       |
| 400 - 449     |       |  | Yes       | Yes       | Yes       | Yes       |
| 450 - 499     |       | Yes                                    | Yes       | Yes       | Yes       | Yes       |
| 500 - 549     |       | Yes                                    | Yes       | Yes       | Yes       | Yes       |
| 550 - 599     | Yes   | Yes                                    | Yes       | Yes       | Yes       | Yes       |
| 600 or More   | Yes   | Yes                                    | Yes       | Yes       | Yes       | Yes       |

| RIGHT-TURN    |           | THROUGH VOLUME PLUS LEFT-TURN VOLUME * |           |           |           |           |
|---------------|-----------|--|-----------|-----------|-----------|-----------|
| VOLUME        | 350 - 399 | 400 - 449                              | 450 - 499 | 500 - 549 | 550 - 599 | = / > 600 |
| Fewer Than 25 |           |  |           |           |           |           |
| 25 - 49       |           |  |           |           | Yes       | Yes       |
| 50 - 99       |           |  |           | Yes       | Yes       | Yes       |
| 100 - 149     |           |  | Yes       | Yes       | Yes       | Yes       |
| 150 - 199     |           | Yes                                    | Yes       | Yes       | Yes       | Yes       |
| 200 - 249     | Yes       | Yes                                    | Yes       | Yes       | Yes       | Yes       |
| 250 - 299     | Yes       | Yes                                    | Yes       | Yes       | Yes       | Yes       |
| 300 - 349     | Yes       | Yes                                    | Yes       | Yes       | Yes       | Yes       |
| 350 - 399     | Yes       | Yes                                    | Yes       | Yes       | Yes       | Yes       |
| 400 - 449     | Yes       | Yes                                    | Yes       | Yes       | Yes       | Yes       |
| 450 - 499     | Yes       | Yes                                    | Yes       | Yes       | Yes       | Yes       |
| 500 - 549     | Yes       | Yes                                    | Yes       | Yes       | Yes       | Yes       |
| 550 - 599     | Yes       | Yes                                    | Yes       | Yes       | Yes       | Yes       |
| 600 or More   | Yes       | Yes                                    | Yes       | Yes       | Yes       | Yes       |

\* Or through volume only if a left-turn lane exists

| Intersection | Time Period | Through<br>Volume | Right-Turn<br>Volume | Right-Turn Lane<br>Warranted<br>(Yes / No) |
|--------------|-------------|-------------------|----------------------|--|
| Rob. @ Wash  | AM Peak     | 144               | 14                   | NO   |
| Rob. @ Wash  | PM Peak     | 59                | 4                    | NO   |
| Rob. @ Emory | AM Peak     | 92                | 53                   | NO   |
| Rob. @ Emory | PM Peak     | 75                | 102                  | NO   |



# **Development Request**

### DEVELOPMENT

Development Plan

Planned DevelopmentUse on Review / Special Use

☐ Hillside Protection COA

### SUBDIVISION

Concept PlanFinal Plat

# ZONING ✓ Plan Amendment

✓ Sector Plan
□ One Year Plan

🖌 Rezoning

| Smithbilt Homes               |   |   |
|-------------------------------|---|---|
| Applicant Name                |   | Affiliation                                 |
| 12/27/2023                    | 2/8/2024 2-E-2  | 24-SP / 2-J-24-RZ                           |
| Date Filed                    | Meeting Date (if applicable) File N                           | Number(s)                                   |
| CORRESPONDENCE                | All correspondence related to this application should be dire | ected to the approved contact listed below. |
| Josh Sanderson Smithbilt Hor  | nes   |   |
| Name / Company                |   |   |
| 4909 Ball Rd Knoxville TN 379 | 931   |   |
| Address                       |   |   |
| 865-694-7756 / josh@smithb    | ilthomes com  |   |
| Phone / Email                 |   |   |
| CURRENT PROPERTY IN           | IFO   |   |
| Josh Sanderson Smithbilt Hor  | mes 4909 Ball Rd Knoxville TN 37931                           | 865-694-7756 / josh@smithbilt               |
| Owner Name (if different)     | Owner Address   | Owner Phone / Email                         |
| 6701 ROBERTS RD               |   |   |
| Property Address              |   |   |
| 22 005 14                     |   | 74.08 acres                                 |
| Parcel ID                     | Part of Parcel (Y/N)  | ? Tract Size                                |
| Knoxville Utilities Board     | Northeast Knox Utility Distric                                | t   |
| Sewer Provider                | Water Provider  | Septic (Y/N)                                |
| STAFF USE ONLY                |   |   |
| West side of Roberts Rd, nor  | th of Washington Pike   |   |
| General Location              |   |   |
| City Commission District      | 8 A (Agricultural)  | Agriculture/Forestry/Vacant Land            |
| County District               | Zoning District   | Existing Land Use                           |
| Northeast County              | AG (Agricultural)   | Rural Area                                  |
| Planning Sector               | Sector Plan Land Use Classification                           | Growth Policy Plan Designation              |

| Applicant Signature Please  | e Print   | Date                                |
|---|---|-------------------------------------|
| all associated materials are being submitted wit  | th his/her/its consent.<br>bilt Homes                     | 12/27/2023                          |
|   | ; is true and correct: 1) He/she/it is the owner of the p | roperty, AND 2) the application and |
| AUTHORIZATION   |   |                                     |
| Use on Review / Special Use (Concept Plan)  |   |                                     |
| Traffic Impact Study  |   |                                     |
| <ul> <li>Design Plan Certification (Final Plat)</li> <li>Site Plan (Development Request)</li> </ul> | Fee 3   |                                     |
| COA Checklist (Hillside Protection)   |   |                                     |
| ADDITIONAL REQUIREMENTS   |   |                                     |
|   | ariance Request Fee 2                                     |                                     |
| ATTACHMENTS   | \$5,204.0   |                                     |
| PLAT TYPE         Staff Review         Planning Commission  | Fee 1   | Total                               |
|   |   |                                     |
|   |   |                                     |
| Additional Information  | is inclueses  |                                     |
| 3 du/ac<br>Proposed Density (units/acre) Previous Zonin   | ng Requests   |                                     |
| ✓ Plan<br>Amendment LDR (Low Density Resider<br>Proposed Plan Designation                           |   |                                     |
| Proposed Zoning   |   |                                     |
| Zoning Change PR (Planned Residential)  |   | Pending Plat File Number            |
| ZONING REQUEST  |   |                                     |
| Attachments / Additional Requirements   |   |                                     |
| Additional Information  |   |                                     |
| Unit / Phase Number   | Total Number of Lots Created                              |                                     |
| Proposed Subdivision Name   |   |                                     |
|   |   | Related Rezoning File Number        |
| SUBDIVSION REQUEST  |   | 1                                   |
| Other (specify)   |   |                                     |
| Home Occupation (specify)   |   |                                     |
| Hillside Protection COA   | Residential     Non-residential                           |                                     |
| Development Plan     Planned Development  | ent 🗌 Use on Review / Special Use                         | Related City Permit Number(s)       |
| DEVELOPMENT REQUEST   |   |                                     |

| Phone / Email            |                                |            |
|--------------------------|--------------------------------|------------|
|                          | Josh Sanderson Smithbilt Homes | 12/27/2023 |
| Property Owner Signature | Please Print                   | Date       |

|                                     | Developmer   | nt Re         | eque                       | st   |
|-------------------------------------|--|---------------|----------------------------|--|
| Planning<br>KNOXVILLE   KNOX COUNTY | DEVELOPMENT Development Plan Planned Development Use on Review / Special Use Hillside Protection COA | SUBDI         | <b>/ISION</b><br>cept Plan | ZONING<br>✓ Plan Amendment<br>✓ SP □ OYP<br>■ Rezoning |
| Smithbilt Homes                     |  |               |                            |  |
| Applicant Name                      |  |               | Affilia                    | tion   |
| 12/27/2023                          | 2/8/2024   |               |                            | File Number(s)   |
| Date Filed                          | Meeting Date (if applicable) 2-J-24-RZ<br>2-E-24-SP  |               |                            |  |
|                                     | correspondence related to this application   | should be dir | ected to the a             | pproved contact listed below.                          |
| Applicant Property Owner            | 🗌 Option Holder 🗌 Project Survey   | or 🗌 Engir    | neer 🗌 Arch                | nitect/Landscape Architect                             |
| Josh Sanderson                      | Smit   | hbilt Home    | es                         |  |
| Name                                | Comp   | any           |                            |  |
| 4909 Ball Road                      | Knox   | wille         | TN                         | 37931  |
| Address                             | City   |               | State                      | ZIP  |
| 865-694-7756                        | josh@smithbilthomes.com  | I             |                            |  |
| Phone                               | Email  |               |                            |  |
| CURRENT PROPERTY INFO               |  |               |                            |  |
| Property Owner Name (if different)  | Property Owner Addres  | S             |                            | Property Owner Phone                                   |
| 6701 Roberts Road                   |  | 022 005       | 14                         |  |
| Property Address                    |  | Parcel ID     |                            |  |
| KUB                                 | NEKnox   |               |                            |  |
| Sewer Provider                      | Water Provider   |               |                            | Septic (Y/N  |
| STAFF USE ONLY                      |  |               |                            |  |
| General Location                    |  |               | Tract S                    | ŝize   |
| City County District                | Zoning District  | Existing      | Land Use                   |  |
| Planning Sector                     | Sector Plan Land Use Classification  | on            | Growt                      | th Policy Plan Designation                             |

# **DEVELOPMENT REQUEST**

| Development Plan     Use on Review / Special Use     Hillside Protection COA | Related City Permit Number(s) |
|--|-------------------------------|
| 🗌 Residential 🔲 Non-Residential  |                               |
| Home Occupation (specify)  |                               |
|  |                               |
| Other (specify)  |                               |

# SUBDIVISION REQUEST

|   |                              | Related Rezoning File Number |
|---|------------------------------|------------------------------|
| Proposed Subdivision Name   |                              |                              |
| Unit / Phase Number   | Total Number of Lots Created |                              |
| Other (specify)   |                              |                              |
| Attachments / Additional Requirements   |                              |                              |
| ZONING REQUEST  |                              |                              |
| Zoning Change Planned Residential   |                              | Pending Plat File Number     |
| Proposed Zoning   |                              |                              |
| ✓ Plan Amendment Change LDR (Low Density Reside<br>Proposed Plan Designation(s) | ential)                      |                              |
| 3 DU/AC N/A   |                              |                              |
| Proposed Density (units/acre) Previous Rezoning Re                              | equests                      |                              |
| Other (specify)   |                              |                              |
| STAFF USE ONLY  |                              |                              |
| PLAT TYPE   | Fee 1                        | Total                        |

| □ Staff Review                                    | 0802  | \$4354.00 | <b>\$</b> 5,204.00 |
|---|-------|-----------|--------------------|
| ATTACHMENTS                                       |       | φ100 1.00 |                    |
| Property Owners / Option Holders Variance Request | Fee 2 |           |                    |
| ADDITIONAL REQUIREMENTS                           |       | \$850.00  |                    |
| Design Plan Certification <i>(Final Plat)</i>     |       |           |                    |
| Use on Review / Special Use (Concept Plan)        |       |           |                    |
| Traffic Impact Study                              |       |           |                    |
| COA Checklist (Hillside Protection)               |       |           |                    |
|   |       |           |                    |

### AUTHORIZATION

I declare under penalty of perjury the foregoing is true and correct:
 1) He/she/it is the owner of the property AND 2) The application and all associated materials are being submitted with his/her/its consent

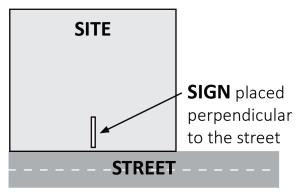
| Josh Sanderson<br>But 2015, E=josh@smithbilthomes.com, CN=Josh<br>Sanderson<br>Bate 2023 11 27 15:27:49-05'00'                                     | Smithbilt Homes         | 12/27/2023   |
|--|-------------------------|--------------|
| Applicant Signature  | Please Print            | Date         |
| 865-680-2321   | josh@smithbilthomes.com |              |
| Phone Number   | Email                   |              |
| Josh Sanderson<br>Biglially signed by Josh Sanderson<br>DN: C=US, E=josh@smithbilthomes.com, CN=Josh<br>Sanderson<br>Die 2023.11.27 15.27:58-05100 | Josh Sanderson          | 12/28/23, SG |
| Property Owner Signature   | Please Print            | Date Paid    |



# Sign Posting & Removal Requirement

Revised April 2021

The Administrative Rules and Procedures of the Knoxville-Knox County Planning Commission require a sign to be posted on the property for each application subject to consideration by the Planning Commission, including the following applications: rezoning, plan amendment, concept plan, use on review/special use, planned development, right-of-way closure, and name change.



The required public notice sign(s) will be provided by Planning to the applicant when an application is submitted. If an application is submitted electronically, Planning staff will post the required sign. If a replacement sign(s) is needed, the applicant is responsible for picking up the new sign(s) from Planning and will be charged \$10 for each replacement.

# LOCATION AND VISIBILITY

The sign must be posted on the nearest adjacent/frontage street and in a location clearly visible to vehicles traveling in either direction. If the property has more than one street frontage, the sign should be placed along the street that carries more traffic. Planning staff may recommend a preferred location for the sign to be posted at the time of application.

# TIMING

The sign(s) must be posted **not less than 12 days prior to the scheduled Planning Commission public hearing** and must remain in place until the day after the meeting. In the case of a postponement, the sign can either remain in place or be removed and reposted not less than 12 days prior to the next Planning Commission meeting. The applicant is responsible for removing the sign after the application has been acted upon by the Planning Commission.

The individual below is responsible for posting and removing the sign(s) provided consistent with the above guidelines and between the dates of:

| 01/26/2023                         | and | 02/09/2024                 |
|------------------------------------|-----|----------------------------|
| (applicant or staff to post sign)  |     | (applicant to remove sign) |
| Applicant Name: Smithbilt Homes    |     |                            |
| Date: 12/28/2023                   |     | Sign posted by Staff       |
| File Number: 2-J-24-RZ & 2-E-24-SP |     | Sign posted by Applicant   |