



# Jasper County Planning and Building Services

358 Third Avenue - Post Office Box 1659  
Ridgeland, South Carolina 29936  
Phone (843) 717-3650 Fax (843) 726-7707

Lisa Wagner, CFM  
Director of Planning and Building Services  
[lwagner@jaspercountysc.gov](mailto:lwagner@jaspercountysc.gov)

## Jasper County Planning Commission Staff Report

|                        |  |
|------------------------|--|
| <b>Meeting Date:</b>   | October 11, 2022                                   |
| <b>Project:</b>        | Master Plan – CSP Single Family Rental Development |
| <b>Applicant:</b>      | Conduit Street Partners, LLC                       |
| <b>Tax Map Number:</b> | 0841-00-03-030                                     |
| <b>Submitted For:</b>  | Action   |
| <b>Recommendation:</b> | Approval of CSP Single Family Rental Development   |

**Description:** Conduit Street Partners request approval of a Master Plan for CSP Single Family Rental Development. This Master Plan has been developed in accordance with the CSP Planned Development District (PDD), CSP Development Agreement (DA) and Concept Plan approved by Jasper County Council on June 27, 2022.

A Master Plan is a plan for the overall utilization of a particular area, including allocation of land uses and infrastructure. This Master Plan is located on 38.48 acre tract located along Independence Boulevard (Highway 278). The Master Plan shows 275 single-family residential rental units, with 180 units being detached and 95 units being attached. The community open space includes a community park, a clubhouse with a pool, playground, pickleball court, and an event space. The Master Plan anticipates 135 units being constructed by the end of 2024 with the remaining units being constructed by the end of 2025.

**Analysis:** The Master Plan for CSP was prepared in accordance with Article 8.1.10 of the Jasper County Zoning Ordinance, which is outlined below and is intended to serve as a checklist. The red print directs you to where the required information is located in the Master Plan document.

### 8:1.10 Master Plan.

The minimum requirements of the Master Plan include:

1. Multiple copies of the Master Plan to sufficiently distribute to all designated reviewing bodies at the time of submittal;

Received 12 copies on 9/20/2022 along with required fees.

2. Proposed arrangement of land uses, including land for public facilities, approximate acreage of each use area or tract, type of use and density (residential use tracts). All specified densities will be construed as maximums, with acceptance of the maximums subject to satisfaction of other provisions within the PDD ordinance;

See Exhibit A – Initial Master Plan

3. A boundary survey with the computed acreage of the tract bearing the seal of a registered land surveyor;

See Exhibit B – Survey

4. The location of primary control points to which all dimensions, angles, bearings, block numbers and similar data shall be referred;

See Exhibit B – Survey

5. The proposed name of the development and the names and addresses of the owner(s) of record, and the applicant, if different from the owner(s). with proof of authority to submit and process the application;

See Exhibit C – Project Name, Ownership, and Authorization Letter

6. Type of land use of all parcels contiguous to the development property;

See Exhibit D – Adjoining Land Use

7. A Master Plan Planned Development Map showing:

a. Vicinity map or sketch showing the general relationship of the proposed development to the surrounding areas with access roads referenced to the intersection of the nearest state primary or secondary paved roads;

See Exhibit E – Vicinity Map

b. Topographic survey of the area being applied for;

See Exhibit F – Topographic Map

c. Where applicable, surveyed line delineating the extent of any special district boundary on the development property; **Not Applicable**

d. Where applicable, survey line delineating wetlands;

See Exhibit G – Wetlands Delineation

e. The location, dimensions, descriptions, and flow of existing watercourses and drainage structures within the tract or on contiguous tracts;

**There are no existing watercourses on property; however, Exhibit F – Topographic Map shows the property naturally drains to the north of the property.**

f. Location of municipal limits or county lines, and district and overlay district boundaries, if they traverse the tract, form part of the boundary of the tract, or are contiguous to such boundary;

See Exhibit H – Hardeeville/Jasper Map

g. The location, dimensions, name and description of all existing or recorded streets, alleys, reservations, easements or other public rights-of-way within the tract intersecting or contiguous with its boundaries or forming such boundaries;

See Exhibit I – Existing Contiguous Streets

h. The location, dimensions, name and description of all existing or recorded residential lots, parks, public areas, permanent structures and other sites within or contiguous with the tract;

See Exhibit I – Existing Contiguous Streets

i. The proposed location, dimensions, and description of land(s) for public facilities;  
Not Applicable

j. Proposed conceptual street system layout, vehicular and pedestrian, with the written comments of the DSR and/or his/her representative.

See Exhibit A – Initial Master Plan

Comments received by Fire Marshal

8. Traffic impact analysis as set forth in the Jasper County Zoning Ordinance and Land Development Regulations or as required by the DSR and/or County Council, and a statement of need for mitigation (if any). If mitigation is required, a statement of proposed mitigation;

See Exhibit J – Traffic Impact Analysis prepared by BIHL Engineering

9. Preliminary Master Drainage Plan and Master Water and Sewer Plan with the written comments of the DSR and/or his/her representative.

See Exhibit K – Preliminary Sanitary Sewer Systems Master Plan, and Stormwater Drainage Master Plan

10. Preliminary comments from affected agencies having approval or permitting authority over elements related to the proposed development, or evidence that a written request for such comments was properly submitted to the agency and a reasonable period of time has elapsed without receipt of such comments. Minimum agency responses include South Carolina Department of Transportation, South Carolina Department of Health and Environmental Control (SCDHEC), and Office of Ocean and Coastal Resource Management (OCRM), Jasper County School District and Jasper County Emergency Services (as applicable).

See Exhibits L – Approval letters have been provided from Jasper County EMS and SCDOT. Evidence of requests for comments from all other agencies are included in Exhibit L.

11. A narrative addressing:

a. The proposed ownership and maintenance of streets, drainage systems, water and sewer systems, open space areas, parking areas, and other proposed amenities and improvements; and when any of the above are to be privately owned, a description of

the governance, operation and financial structure to be used to secure their maintenance, management and long term improvements;

See Exhibit M – Project Narrative, Phasing, Schedule, and Site Standards

- b. Proposed phasing and time schedule if development is to be done in phases;  
See Exhibit M – Project Narrative, Phasing, Schedule, and Site Standards
- c. Proposed phasing and time schedule for lands to be dedicated for public facilities;  
See Exhibit M – Project Narrative, Phasing, Schedule and Site Standards
- d. Proposed internal site planning standards such as typical lot sizes and widths, and setbacks and buffers aimed at addressing potential incompatibility between adjacent land uses and activities;  
See Exhibit M – Project Narrative, Phasing, Schedule and Site Standards
- e. Letters of capability and intent to serve community water supply or sewage disposal service from the affected agency or entity, where applicable;  
See Exhibit N – Availability to Serve Letters
- f. A statement describing the character of, and rationale for, the proposed Master Plan;  
and  
See Exhibit O
- g. Other information or descriptions deemed reasonably appropriate by staff or Planning Commission for review.  
Phase II Archeological Report for CSP Development Has been provided – attached to document binder

**Staff Recommendation:** Staff recommends approval of the Center Point Storage Master Plan.

**Attachments:**

1. Master Plan
2. Phase II Archeological Report for CSP Development
3. PDD Standards for CSP Development

**CSP SINGLE FAMILY RENTAL  
DEVELOPMENT MASTER PLAN  
APPLICATION**



PREPARED FOR:  
**CONDUIT STREET PARTNERS, LLC**

SUBMITTED TO:  
**JASPER COUNTY, SC**

09 / 20 / 2022

**MASTER PLAN  
CSP DEVELOPMENT PROPERTY  
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|--|----------|
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**MASTER PLAN**  
**CSP DEVELOPMENT PROPERTY**  
**APPLICANT AND PLANNING TEAM**

Owners of Record.....Paul H. Anderson,  
Emily A. Tillman &  
John F. Anderson

Developer / Applicant.....Conduit Street Partners, LLC  
Annapolis, MD  
Mr. Peter Zadoretzky

Land Planner .....Wood + Partners, Inc.  
Hilton Head Island, SC  
Mr. Mark Baker, PLA, ASLA  
Mr. Eric Walsnovich, PLA, ASLA

Civil Engineer.....Carolina Engineering Consultants, Inc.  
Beaufort, SC  
Mr. Jeff Ackerman

Wetlands / Environmental Consultant and Permitting.....Newkirk Environmental Consultants, Inc.  
Beaufort, SC  
Mr. Ashley Howell

Surveyor.....Coastal Surveying Co., Inc.  
Ridgeland, SC  
Mr. Timothy Wright, CSC of NC, PC

Archaeologist.....Brockington & Associates, Inc.  
Savannah, GA  
Mr. Alex Sweeney, MA, RPA

Land Use Attorney / Legal Counsel.....Bouhan Falligant LLP  
Savannah, GA  
John D. Northup III, Esq.

**MASTER PLAN  
CSP DEVELOPMENT PROPERTY**

**SCEHDULE OF EXHIBITS:**

| <b>EXHIBIT</b>   | <b>DESCRIPTION</b>                                       | <b>ZONING ORDINANCE<br/>8:1.10 REFERENCE</b>             |
|--|--|--|
| Exhibit A  | Master Plan  | 8:1.10.1 & 8:1.10.2 & 8:1.10.7.j                         |
| Exhibit B  | Boundary Survey  | 8:1.10.3 & 8:1.10.4                                      |
| Exhibit C  | Project Name, Ownership<br>and Authorization Letter      | 8:1.10.5   |
| Exhibit D  | Adjoining Land Uses                                      | 8:1.10.6   |
| Exhibit E  | Vicinity Map   | 8:1.10.7.a   |
| Exhibit F  | Topographic Map  | 8:1.10.7.b   |
| Exhibit G  | Wetlands Delineation                                     | 8:1.10.7.d   |
| Exhibit H  | Hardeeville/Jasper County<br>Map                         | 8:1.10.7.f   |
| Exhibit I  | Existing Contiguous Streets                              | 8:1.10.7.g & 8:1.10.7.h                                  |
| Exhibit J  | Traffic Impact Study                                     | 8:1.10.8   |
| Exhibit K  | Preliminary Master Water,<br>Sewer, and Drainage Plans   | 8:1.10.9   |
| Exhibit L  | Preliminary Agency<br>Comments                           | 8:1.10.10  |
| Exhibit M  | Project Narrative, Phasing,<br>Schedule & Site Standards | 8:1.10.11.a & 8:1.10.11.b &<br>8:1.10.11.c & 8:1.10.11.d |
| Exhibit N  | Letters of Capability & Intent<br>to Serve               | 8:1.10.11.e  |
| Exhibit O  | Statement of Character &<br>Rationale of Master Plan     | 8:1.10.11.f  |
| <p><b>NOTE:</b> Sections 8:1.10.7.c Special Districts, 8:1.10.7.e Existing Watercourses on Property, 8:1.10.7.i Land for Public Facilities, are not provided as they do not exist or are otherwise not applicable to the Property.</p> |  |  |

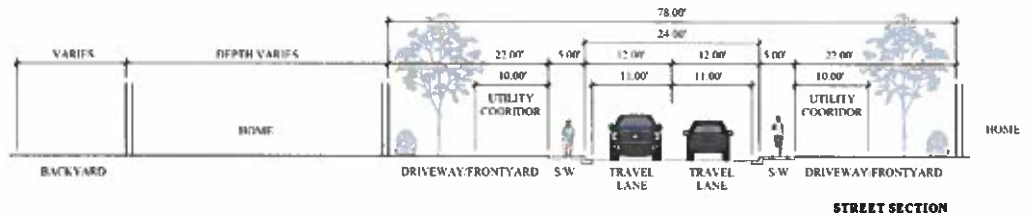


EXHIBIT A:  
**MASTER PLAN AND SECTIONS**

| MASTER PLAN UNIT MIX |                        |                        |                        |                                    |                        |                        |                                    |                                 |
|----------------------|------------------------|------------------------|------------------------|------------------------------------|------------------------|------------------------|------------------------------------|---------------------------------|
| UNIT                 | TYPE A                 | TYPE B                 | TYPE C                 | TOTAL SINGLE FAMILY DETACHED UNITS | TYPE D                 | TYPE E                 | TOTAL SINGLE FAMILY ATTACHED UNITS | GRAND TOTAL SINGLE FAMILY UNITS |
| RESIDENTIAL TYPE     | SINGLE FAMILY DETACHED | SINGLE FAMILY DETACHED | SINGLE FAMILY DETACHED | 100                                | SINGLE FAMILY ATTACHED | SINGLE FAMILY ATTACHED | 70                                 | 170                             |
| QUINTS               | 0                      | 0                      | 0                      | 0                                  | 0                      | 0                      | 0                                  | 0                               |
| BATHROOMS            | 2.50                   | 2.50                   | 2.50                   | 250                                | 2.50                   | 2.50                   | 250                                | 500                             |
| GARAGE               | 0.00                   | 0.00                   | 14.00                  | 1400                               | 0.00                   | 0.00                   | 0                                  | 1400                            |
| VEGETATION           | 1.00                   | 1.00                   | 1.00                   | 100                                | 1.00                   | 1.00                   | 100                                | 200                             |

- DEVELOPMENT SUMMARY:**
- TRACT ACREAGE: 340 ACRES
  - TOTAL ACREAGE: 340 ACRES
  - WEST TRACT: 27.33 ACRES
  - EAST TRACT: 312.67 ACRES
  - UNITS: 170 UNITS (100 SINGLE FAMILY DETACHED UNITS, 70 SINGLE FAMILY ATTACHED UNITS)
  - COMMON AREAS:
    - PROPOSED TYPES OF COMMON OPEN SPACE PROVIDED:
      - LANDSCAPED AREAS: USES OF LANDSCAPED VEGETATION OF AREAS BE PLANTED WITH VEGETATION AFTER CONSTRUCTION
      - RECREATIONAL AREAS: ARE DESIGNED FOR SPECIFIC ACTIVE RECREATIONAL USES SUCH AS FOOTBALL, TENNIS COURTS, SWIMMING POOLS, SHALE TERRACE, AND OTHER USES
      - GREENWAYS ARE: NEAR GREEN BELTS ENSURING ADJACENT AREAS ARE DEVELOPED AS OPEN SPACE. FORMER GREENWAYS MAY BE REDEVELOPED INTO PARKS AND RECREATION AREAS
      - LANDSCAPED AREAS, PARKS AND RECREATION AREAS
      - REQUIRED OPEN SPACE RATIO: PER SECTION 12.0 OF THE CODES AS FOLLOWS:
        - RESIDENTIAL: 10% OF TOTAL SITE AREA
        - COMMERCIAL: 15% OF TOTAL SITE AREA
        - INDUSTRIAL: 20% OF TOTAL SITE AREA
        - PER CODE, A COMMON OPEN SPACE PLAN AND LANDSCAPE PLAN SHALL BE SUBMITTED AS A CONDITION OF THE APPLICATION FOR A DEVELOPMENT PERMIT
  - STORMWATER RETENTION: 375 ACRES
  - PROPOSED STREET PARKING:
    - 2 SPACES PER SINGLE FAMILY DETACHED UNIT - 200 SPACES
    - 2 SPACES PER SINGLE FAMILY ATTACHED UNIT - 140 SPACES
    - COMMUNITY PARKING: 200 SPACES
    - LOADING AND UNLOADING SPACES: 10 SPACES
- This level of information is subject to change during final. Approval for development planning engineering and design practices.*





**STREET SECTION**



**BUFFER SECTION**

SECTION IS CONCEPTUAL AND SUBJECT TO CHANGE

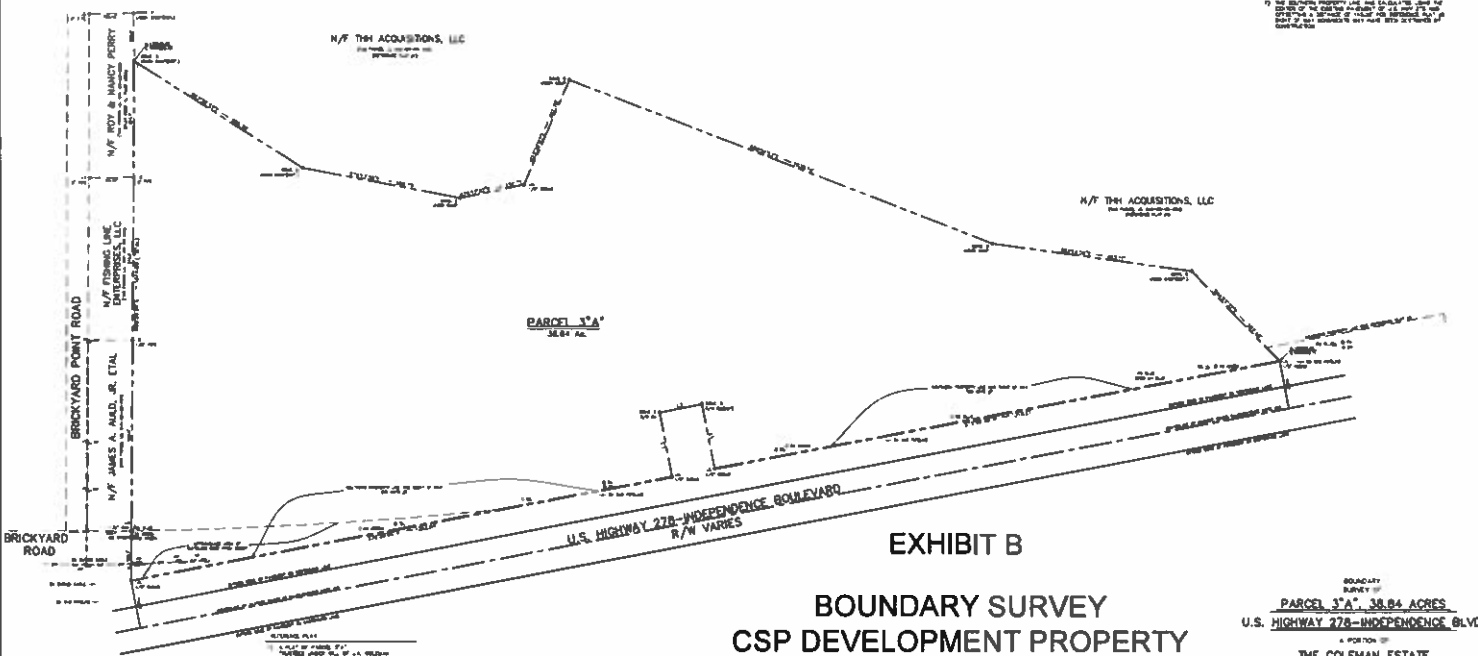
EXHIBIT B:  
**BOUNDARY SURVEY**



| LINE | LENGTH | BEARING         |
|------|--------|-----------------|
| 1    | 17.18  | S 75° 15' 00" W |
| 2    | 17.18  | S 75° 15' 00" W |
| 3    | 17.18  | S 75° 15' 00" W |

1. ALL DISTANCES ARE IN FEET AND DECIMALS THEREOF.  
 2. ALL BEARINGS ARE TRUE BEARINGS.  
 3. ALL CORNERS ARE TO BE MARKED WITH IRON PIPES OR IRON NAILS.  
 4. ALL CORNERS ARE TO BE MARKED WITH IRON PIPES OR IRON NAILS.  
 5. ALL CORNERS ARE TO BE MARKED WITH IRON PIPES OR IRON NAILS.  
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 9. ALL CORNERS ARE TO BE MARKED WITH IRON PIPES OR IRON NAILS.  
 10. ALL CORNERS ARE TO BE MARKED WITH IRON PIPES OR IRON NAILS.

1. THIS SURVEY IS MADE FOR THE PURPOSE OF DIVIDING THE LAND SHOWN HEREON INTO LOTS AND ALLOTMENTS.  
 2. THE SURVEY IS MADE IN ACCORDANCE WITH THE PROVISIONS OF THE ACTS OF THE LEGISLATURE OF THE STATE OF SOUTH CAROLINA.  
 3. THE SURVEY IS MADE IN ACCORDANCE WITH THE PROVISIONS OF THE ACTS OF THE LEGISLATURE OF THE STATE OF SOUTH CAROLINA.  
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 10. THE SURVEY IS MADE IN ACCORDANCE WITH THE PROVISIONS OF THE ACTS OF THE LEGISLATURE OF THE STATE OF SOUTH CAROLINA.



**EXHIBIT B**  
**BOUNDARY SURVEY**  
**CSP DEVELOPMENT PROPERTY**

BOUNDARY SURVEY OF  
**PARCEL 3'A, 36.84 ACRES**  
 U.S. HIGHWAY 278-INDEPENDENCE BLVD.  
 A PORTION OF  
**THE COLEMAN ESTATE**  
 TOWN OF HANDEVELL, JASPER COUNTY, SOUTH CAROLINA  
 SCALE: 1" = 100' DATE: 05/06/08 JOB NO: 07-1109  
**SURVEYING CONSULTANTS**  
 S.C. SURVEYING CONSULTANTS  
 117 HANDEVELL DRIVE, BOX 1, HANDEVELL, SC 29524  
 P.O. BOX 1000, HANDEVELL, SC 29524  
 (803) 785-1109  
 www.scsurveying.com

1. ALL DISTANCES ARE IN FEET AND DECIMALS THEREOF.  
 2. ALL BEARINGS ARE TRUE BEARINGS.  
 3. ALL CORNERS ARE TO BE MARKED WITH IRON PIPES OR IRON NAILS.  
 4. ALL CORNERS ARE TO BE MARKED WITH IRON PIPES OR IRON NAILS.  
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 9. ALL CORNERS ARE TO BE MARKED WITH IRON PIPES OR IRON NAILS.  
 10. ALL CORNERS ARE TO BE MARKED WITH IRON PIPES OR IRON NAILS.

PREPARED FOR: PAUL H. ANDERSON, JR. AND DAVID A. TILMAN  
 AS TRUSTEES *v/v* J.A. COLEMAN, JR. *v/v* MARGON F. ANDERSON  
 HANDEVELL, SOUTH CAROLINA  
 05/06/08 11:48 AM



**EXHIBIT C:**  
**PROJECT NAME, OWNERSHIP, AND**  
**AUTHORIZATION LETTER**

**EXHIBIT C  
AUTHORIZATION LETTER**

January 31, 2022

Jasper County, South Carolina  
Planning and Building Services  
358 Third Avenue  
P.O. Box 1659  
Ridgeland, South Carolina

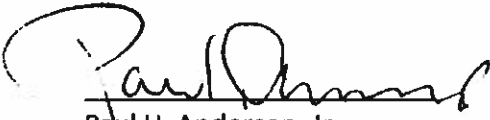
RE: Zoning Map Amendment Application seeking rezoning of Parcel Number 041-00-03-030  
from its existing RP classification to PDD


To Whom It May Concern:


This letter shall serve to confirm that Peter Zadoretzky, in his capacity of Co-Managing Member of Conduit Street Partners, LLC, is hereby authorized to execute or sign any required applications, petitions, documents, instruments, and certificates needed in support of the above referenced Application.

Sincerely,

CO-OWNERS OF THE SUBJECT PARCEL:

  
Paul H. Anderson, Jr.

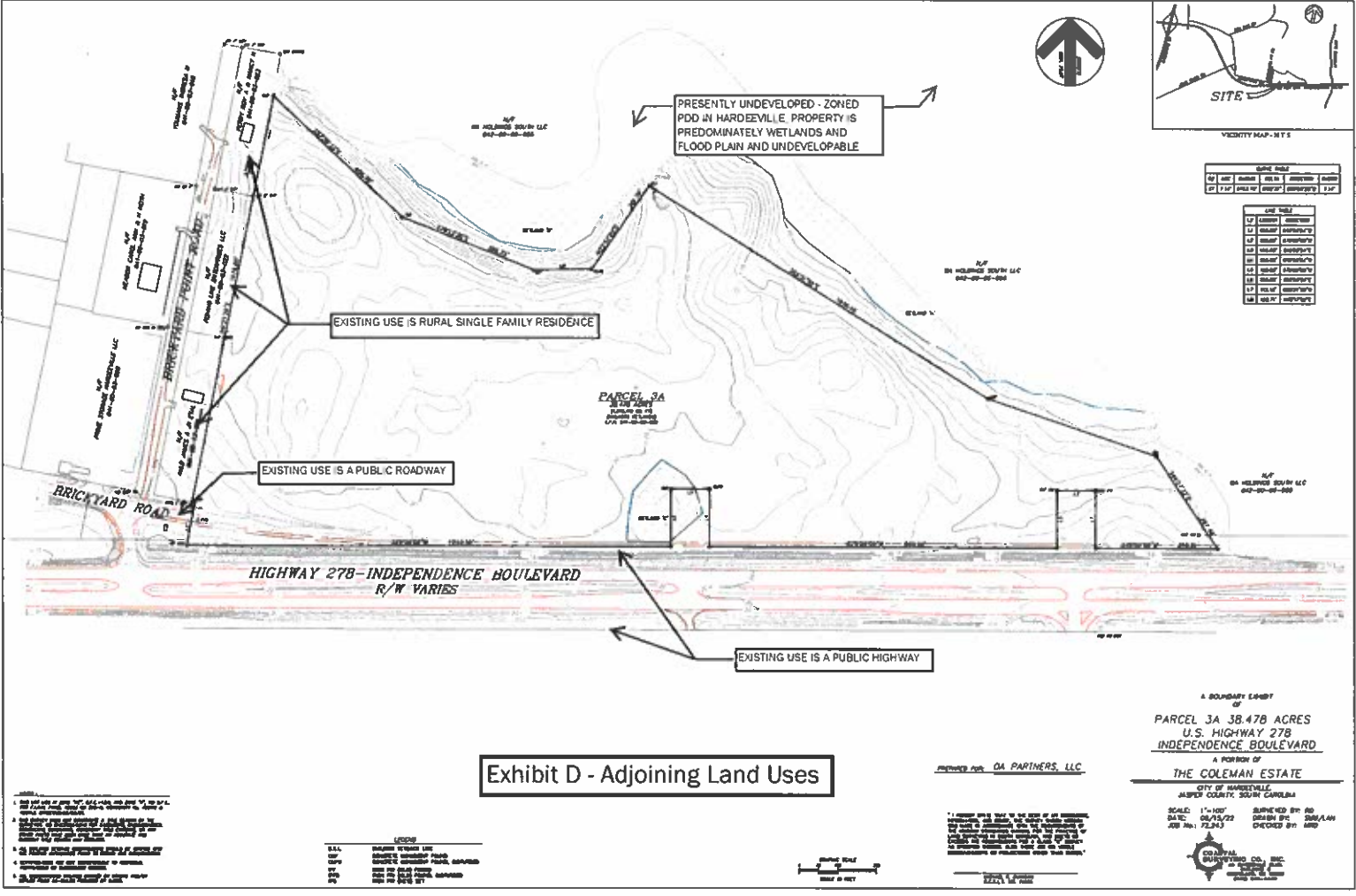
 (by ~~Paul~~ with  
Emily A. Tillman / express permission)

 (by ~~Paul~~ with express  
John F. Anderson / permission)

cc: Peter Zadoretzky

EXHIBIT D:  
**ADJOINING LAND USES**





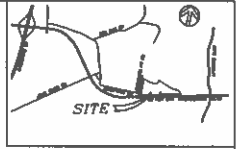
PRESENTLY UNDEVELOPED - ZONED PDD IN HARDEEVILLE. PROPERTY IS PREDOMINATELY WETLANDS AND FLOOD PLAIN AND UNDEVELOPABLE

EXISTING USE IS RURAL SINGLE FAMILY RESIDENCE

EXISTING USE IS A PUBLIC ROADWAY

EXISTING USE IS A PUBLIC HIGHWAY

**Exhibit D - Adjoining Land Uses**



LEGEND

| SYMBOL   | DESCRIPTION       |
|----------|-------------------|
| (Symbol) | Wetland           |
| (Symbol) | Flood Plain       |
| (Symbol) | Public Roadway    |
| (Symbol) | Public Highway    |
| (Symbol) | Parcel Boundary   |
| (Symbol) | Proposed Boundary |

- 1. THIS PLAN AND ALL INFORMATION HEREON ARE THE PROPERTY OF THE ENGINEER AND ARE NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER.
- 2. THIS PLAN AND ALL INFORMATION HEREON ARE NOT TO BE USED FOR ANY OTHER PROJECT OR PURPOSE WITHOUT THE WRITTEN PERMISSION OF THE ENGINEER.
- 3. THE ENGINEER'S LIABILITY IS LIMITED TO THE PROFESSIONAL SERVICES PROVIDED HEREON AND DOES NOT EXTEND TO ANY OTHER MATTER.
- 4. THE ENGINEER'S LIABILITY IS LIMITED TO THE PROFESSIONAL SERVICES PROVIDED HEREON AND DOES NOT EXTEND TO ANY OTHER MATTER.
- 5. THE ENGINEER'S LIABILITY IS LIMITED TO THE PROFESSIONAL SERVICES PROVIDED HEREON AND DOES NOT EXTEND TO ANY OTHER MATTER.

LEGEND

|          |                   |
|----------|-------------------|
| (Symbol) | Wetland           |
| (Symbol) | Flood Plain       |
| (Symbol) | Public Roadway    |
| (Symbol) | Public Highway    |
| (Symbol) | Parcel Boundary   |
| (Symbol) | Proposed Boundary |



Prepared by: **DA PARTNERS, LLC**

"I HEREBY CERTIFY THAT I AM THE ENGINEER OF RECORD FOR THIS PROJECT AND THAT I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF SOUTH CAROLINA. I AM NOT PROVIDING ANY OTHER PROFESSIONAL SERVICES FOR THIS PROJECT."

A BOUNDARY LAYOUT  
OF  
**PARCEL 3A 38.478 ACRES**  
**U.S. HIGHWAY 278**  
**INDEPENDENCE BOULEVARD**  
A PORTION OF  
**THE COLEMAN ESTATE**  
CITY OF HARDEEVILLE,  
JASPER COUNTY, SOUTH CAROLINA

SCALE: 1"=100'  
DATE: 05/15/22  
JOB No.: 72,243

DRAWN BY: SBA/LAW  
CHECKED BY: SMD

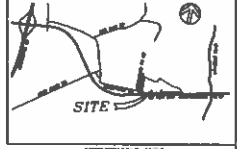
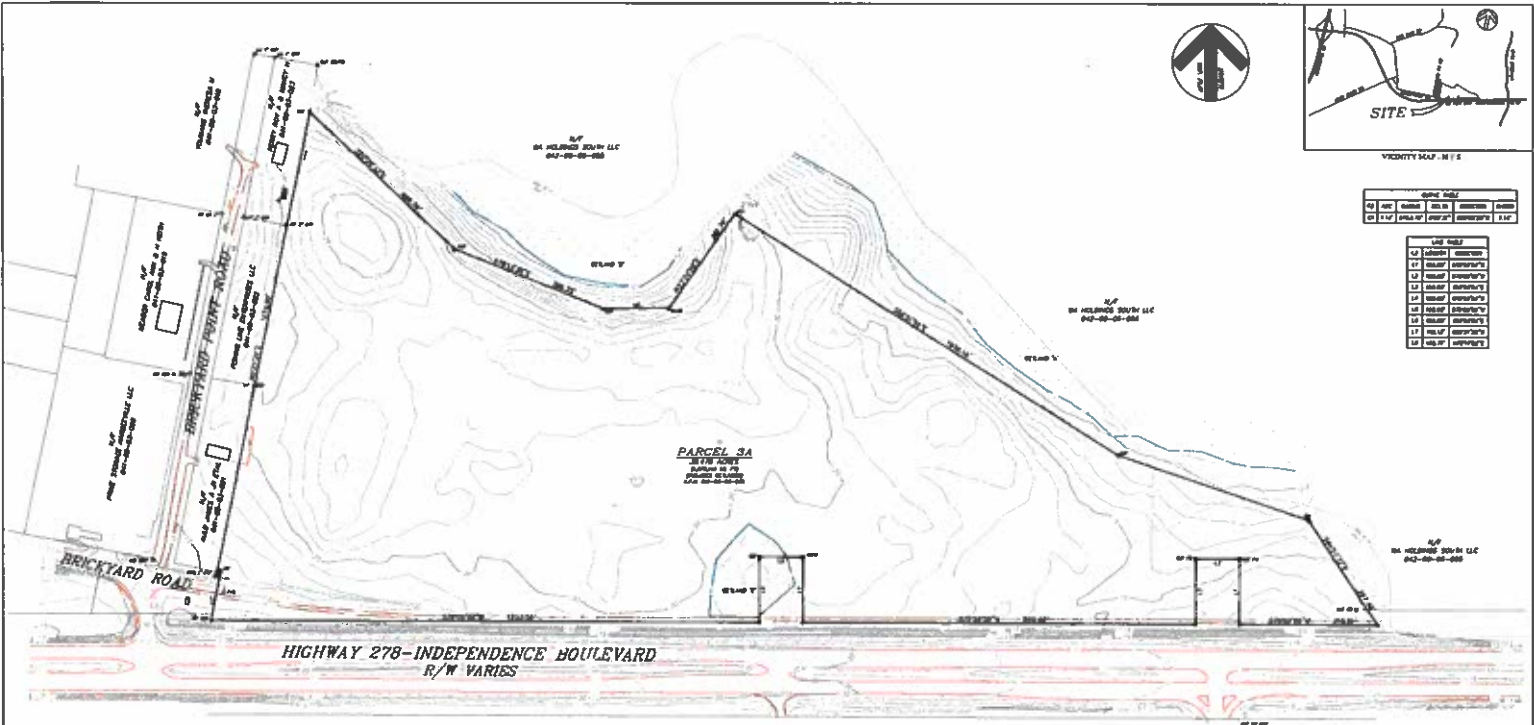
COASTAL ENGINEERING CO., INC.  
1000 W. 10TH ST.  
FLORENCE, SC 29506  
803-681-1111

EXHIBIT E:  
**VICINITY MAP**



EXHIBIT E - VICINITY MAP

EXHIBIT F:  
**TOPOGRAPHIC MAP**



| LINE STYLE   |                   |
|--------------|-------------------|
| 1/2" DASH    | PROPERTY BOUNDARY |
| 1/4" DASH    | PROPERTY BOUNDARY |
| 1/8" DASH    | PROPERTY BOUNDARY |
| 1/16" DASH   | PROPERTY BOUNDARY |
| 1/32" DASH   | PROPERTY BOUNDARY |
| 1/64" DASH   | PROPERTY BOUNDARY |
| 1/128" DASH  | PROPERTY BOUNDARY |
| 1/256" DASH  | PROPERTY BOUNDARY |
| 1/512" DASH  | PROPERTY BOUNDARY |
| 1/1024" DASH | PROPERTY BOUNDARY |

**EXHIBIT F  
CSP DEVELOPMENT PROPERTY  
TOPOGRAPHIC MAP**

A BOUNDARY EXHIBIT  
OF  
**PARCEL 3A 38.478 ACRES**  
**U.S. HIGHWAY 278**  
**INDEPENDENCE BOULEVARD**  
A PORTION OF  
**THE COLEMAN ESTATE**  
CITY OF HARDESVILLE,  
JASPER COUNTY, SOUTH CAROLINA

PREPARED FOR: **GA PARTNERS, LLC**

"I HEREBY CERTIFY THAT THIS MAP IS THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, AND THAT I AM A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF SOUTH CAROLINA. I HAVE NOT BEEN AWARE OF ANY FACTS OR CIRCUMSTANCES WHICH WOULD MAKE THIS MAP MISLEADING OR INACCURATE. I HAVE NOT BEEN AWARE OF ANY FACTS OR CIRCUMSTANCES WHICH WOULD MAKE THIS MAP MISLEADING OR INACCURATE. I HAVE NOT BEEN AWARE OF ANY FACTS OR CIRCUMSTANCES WHICH WOULD MAKE THIS MAP MISLEADING OR INACCURATE."

SCALE: 1" = 100'  
DATE: 05/15/22  
JOB No.: 72.343

DRAWN BY: SD  
CHECKED BY: MFD



- 1. THIS MAP WAS PREPARED BY THE ENGINEER AND SURVEYOR, AND IS NOT TO BE USED FOR ANY OTHER PURPOSE.
- 2. THIS MAP WAS PREPARED FOR THE PURPOSE OF THE PROJECT DESCRIBED HEREIN, AND IS NOT TO BE USED FOR ANY OTHER PURPOSE.
- 3. THIS MAP WAS PREPARED FOR THE PURPOSE OF THE PROJECT DESCRIBED HEREIN, AND IS NOT TO BE USED FOR ANY OTHER PURPOSE.
- 4. THIS MAP WAS PREPARED FOR THE PURPOSE OF THE PROJECT DESCRIBED HEREIN, AND IS NOT TO BE USED FOR ANY OTHER PURPOSE.
- 5. THIS MAP WAS PREPARED FOR THE PURPOSE OF THE PROJECT DESCRIBED HEREIN, AND IS NOT TO BE USED FOR ANY OTHER PURPOSE.

| SYMBOL |                   |
|--------|-------------------|
| ---    | PROPERTY BOUNDARY |
| ---    | PROPERTY BOUNDARY |
| ---    | PROPERTY BOUNDARY |
| ---    | PROPERTY BOUNDARY |
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| ---    | PROPERTY BOUNDARY |
| ---    | PROPERTY BOUNDARY |



EXHIBIT G:  
**WETLANDS DELINEATION**

# EXHIBIT G WETLANDS



September 15, 2022

Peter Zadoretzky  
Principal  
OA Partners, LLC  
Conduit Street Partners, LLC  
*Via Email*

RE: Coleman Tract

Mr. Zadoretzky:

As we discussed on the phone today this letter is intended to clarify and confirm that in Newkirk Environmental Inc. (NEI)'s professional opinion the reference tract has one wetland system that is considered an isolated non-jurisdictional wetland. The wetland will therefore not be under the wetland regulations set forth in the Clean Water Act. The isolated wetland will be regulated instead through SC DHEC's office of OCRM and any impacts to the wetland will be regulated through their coastal zone regulations. Therefore, with this letter NEI is stating that it is our opinion and findings that the project known as the Coleman Tract does not contain any federally regulated wetlands.

Please note, although NEI is confident in our assessment, the US Army Corps of Engineers is the only agency that can make final decisions regarding wetland delineations; therefore, all delineations are subject to change until written verification is obtained. This letter is the professional opinion of Newkirk Environmental and can be relied upon as that.

Sincerely,

A handwritten signature in black ink that reads "J. Asher Howell". The signature is written in a cursive style.

J. Asher Howell, Principal  
Beaufort Office

Enc.

# EXHIBIT G WETLANDS

**Peter Zadoretzky**

---

**Subject:** FW: SAC-2022-00924 (Coleman Tract)



Asher Howell  
73 Sea Island Parkway, Suite 23  
Beaufort, SC 29907  
O – 843-470-1031  
M- 843-810-3447  
[asher@newkirkenv.com](mailto:asher@newkirkenv.com)

**From:** Peter Zadoretzky <[pzadoretzky@oapartners.com](mailto:pzadoretzky@oapartners.com)>  
**Sent:** Thursday, June 16, 2022 2:29 PM  
**To:** Asher Howell <[asher@newkirkenv.com](mailto:asher@newkirkenv.com)>  
**Subject:** RE: SAC-2022-00924 (Coleman Tract)

Thanks Asher.  
Peter

**From:** Asher Howell <[asher@newkirkenv.com](mailto:asher@newkirkenv.com)>  
**Sent:** Thursday, June 16, 2022 2:22 PM  
**To:** Peter Zadoretzky <[pzadoretzky@oapartners.com](mailto:pzadoretzky@oapartners.com)>  
**Subject:** FW: SAC-2022-00924 (Coleman Tract)

We are officially logged in this time.

Asher



Asher Howell  
73 Sea Island Parkway, Suite 23  
Beaufort, SC 29907  
O – 843-470-1031  
M- 843-810-3447  
[asher@newkirkenv.com](mailto:asher@newkirkenv.com)

**From:** SAC.RD.Charleston <[SAC.RD.Charleston@usace.army.mil](mailto:SAC.RD.Charleston@usace.army.mil)>  
**Sent:** Thursday, June 16, 2022 2:12 PM  
**To:** Asher Howell <[asher@newkirkenv.com](mailto:asher@newkirkenv.com)>  
**Cc:** Estill, Leslie A CIV USARMY CESAC (USA) <[Leslie.A.Estill@usace.army.mil](mailto:Leslie.A.Estill@usace.army.mil)>  
**Subject:** SAC-2022-00924 (Coleman Tract)



# EXHIBIT G WETLANDS

Mr. Howell,

The Charleston District Corps of Engineers has received your application and the project has been assigned a project number and project manager:

|                  |                  |
|------------------|------------------|
| SAC Number:      | SAC-2022-00924   |
| Applicant:       | Peter Zadoretzky |
| Project name:    | Coleman Tract    |
| Project Manager: | Leslie Estill    |

Direct all future inquiries to your Project Manager by email [Leslie.A.Estill@usace.army.mil](mailto:Leslie.A.Estill@usace.army.mil) or (843) 329-8039. In all future correspondence concerning this matter, please refer to the file number above.

Additional information about the Charleston Regulatory Program can be found on our website:  
<https://www.sac.usace.army.mil/Missions/Regulatory/Permitting-Process/>

Thank you,

*Erin Leach-Ogden*

Regulatory Program Technician  
US Army Corps of Engineers, Charleston District  
843-329-8224  
[Erin.H.Leach-Ogden@usace.army.mil](mailto:Erin.H.Leach-Ogden@usace.army.mil)

Complete our Regulatory Service Survey at  
<https://regulatory.ops.usace.army.mil/customer-service-survey/>

# EXHIBIT G - WETLANDS

## CSP DEVELOPMENT

### Legend



Wetlands



Approx. Project Limits



GUM POND - NOT A FEDERALLY REGULATED WETLAND; STATE JURISDICTION ONLY - 0.66 AC

Please note, although Newkirk Environmental, Inc. is confident in its assessments, the USACE is the only agency that can make final decisions regarding wetland delineations; therefore, all preliminary determinations are subject to change. Until verification is received from the USACE, no reliance may be made in this preliminary determination. Newkirk Environmental, Inc. strongly recommends that written verification be obtained prior to closing on the property, beginning any site work or making any legal reliance on this determination.

360

Feet

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Wetland Exhibit

Project #: 04-4943a      Date: August 2022

Created by: AH

Coleman Tract  
Beaufort County, SC



**Newkirk**  
ENVIRONMENTAL INC.

EXHIBIT H:  
**HARDEEVILLE / JASPER COUNTY MAP**

Hampton County

Collet

Scotia

Furman

Yemassee



Beau

Ridgeland

County

# Jasper County

Hardeeville

Beaufort County

CSP DEVELOPMENT PROPERTY  
EXHIBIT H

Bluffton

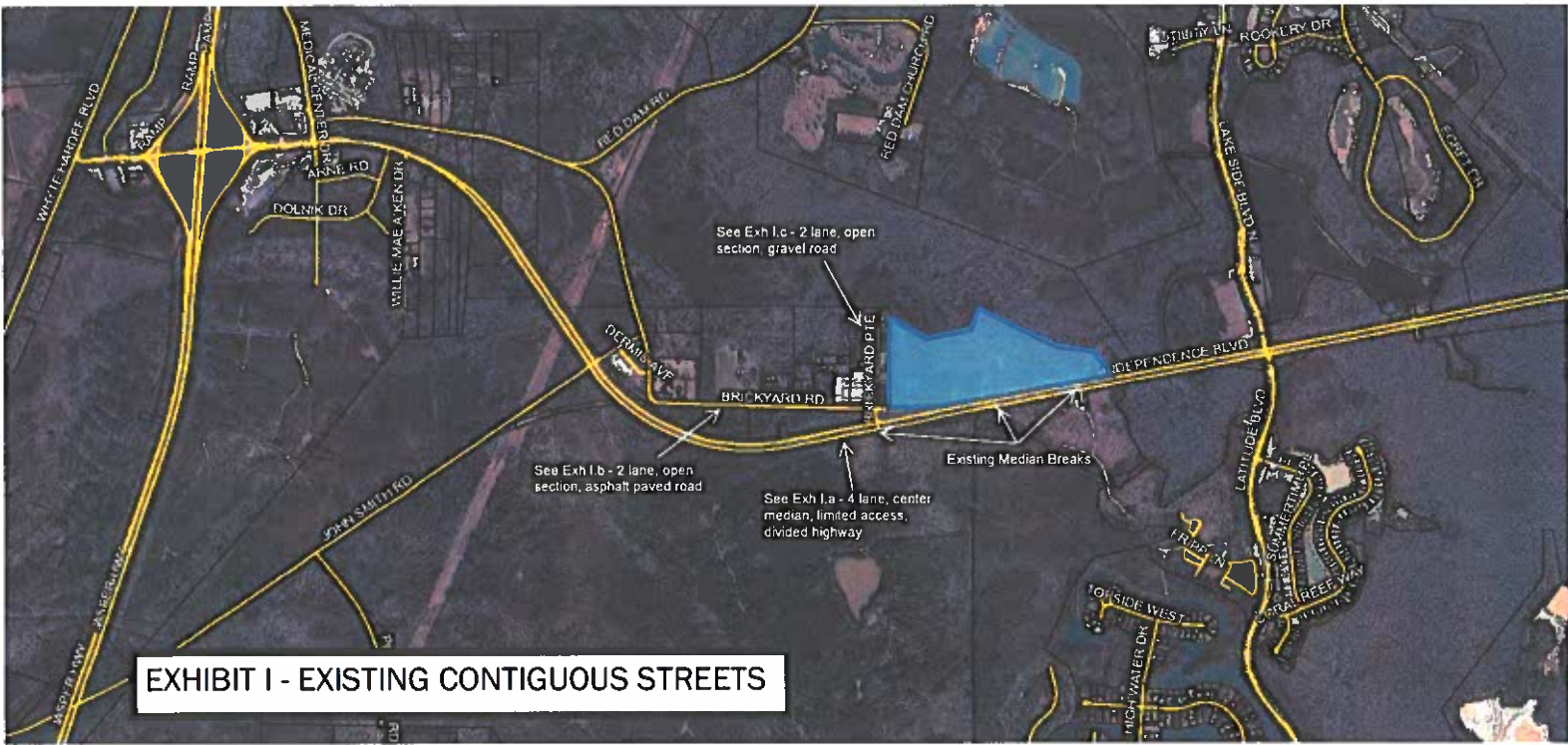
## Legend

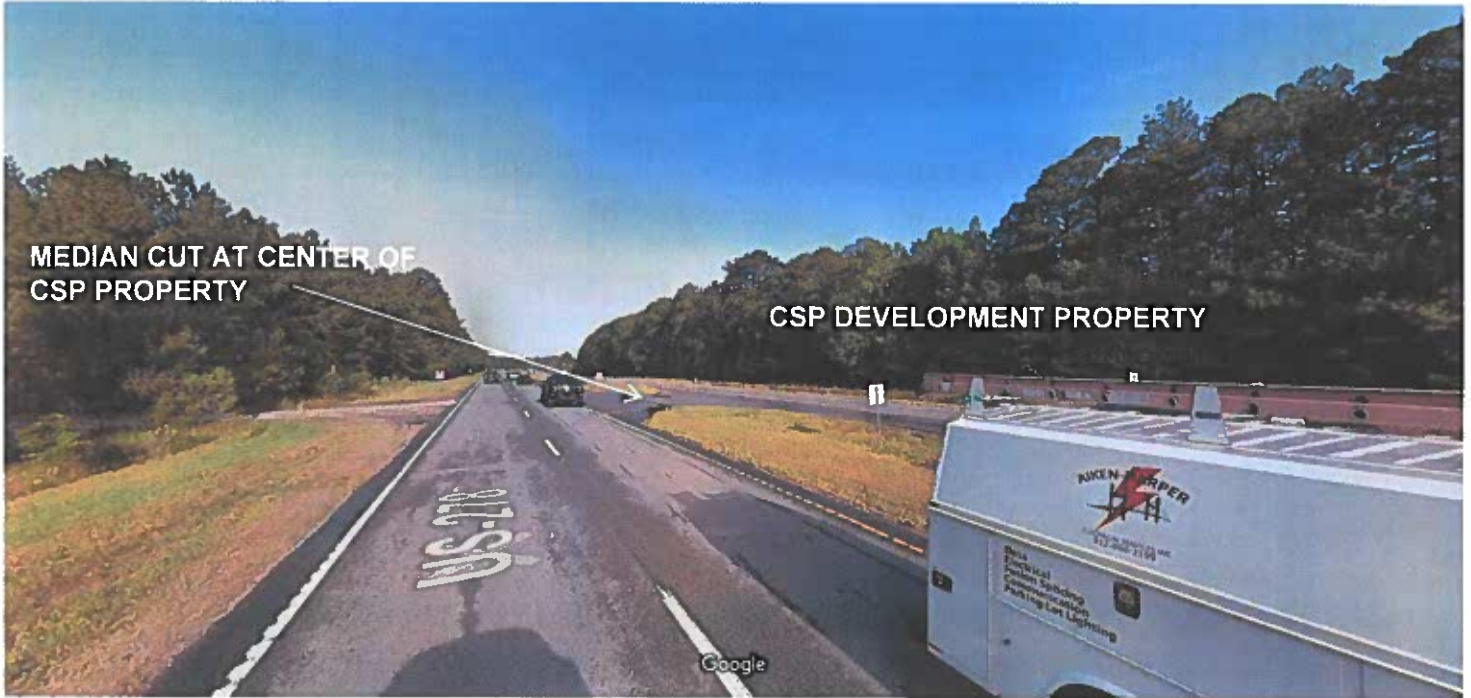
- roads53
- Roads**
- Roads
- Municipal Boundaries
- Highway Corridor Overlay District
- Parcels
- Jasper County Zoning**
- Rural Preservation
- Resource Conservation
- Residential
- Planned Development
- Industrial Development
- General Commercial
- Community Commercial



County

EXHIBIT I:  
**EXISTING CONTIGUOUS STREETS**





Hardeeville, South Carolina  
Google  
Street View - May 2022

Image capture: May 2022 © 2022 Google

**EXHIBIT I.a - US 278  
4 LANE, CENTER MEDIAN, LIMITED ACCESS HIGHWAY**



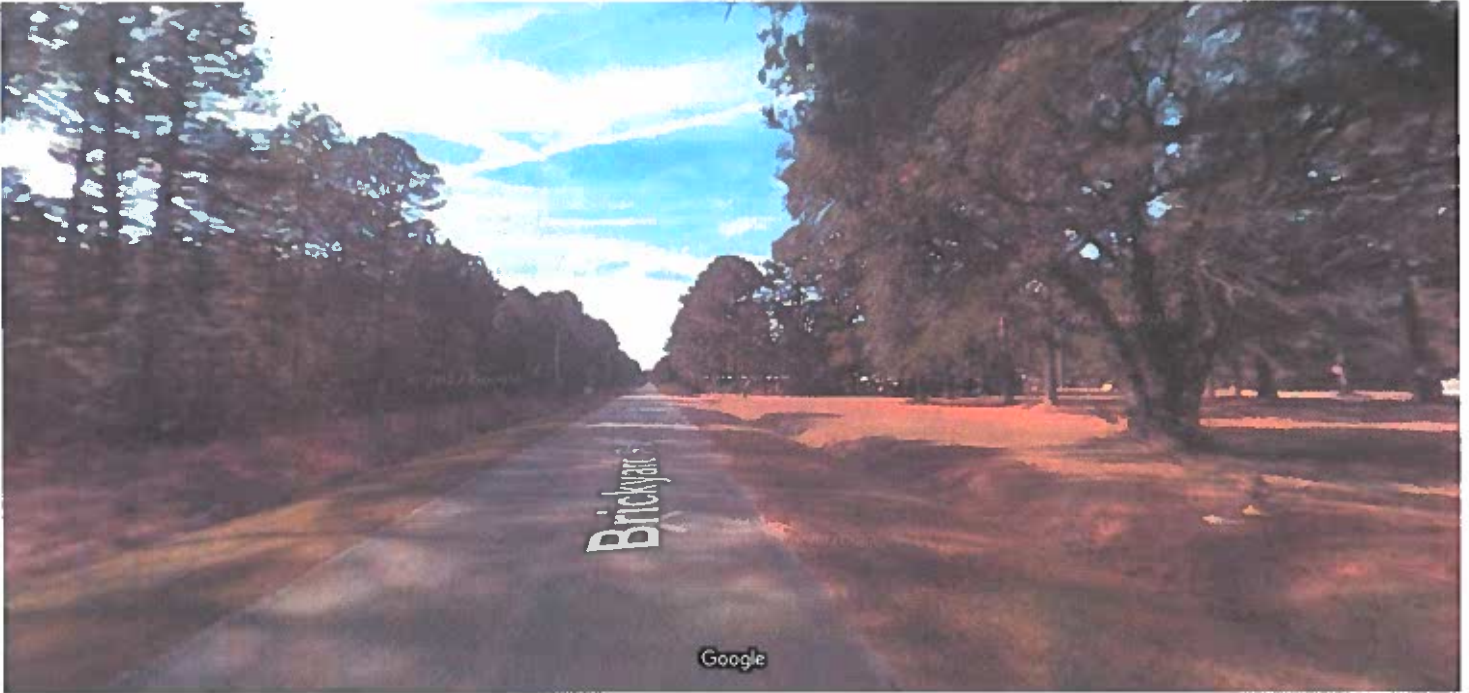


Image capture: Dec 2007 © 2022 Google

Hardeeville, South Carolina  
Google  
Street View - Dec 2007

**EXHIBIT I.b - BRICKYARD ROAD  
2 LANE, OPEN SECTION, ASHALT PAVED ROAD**





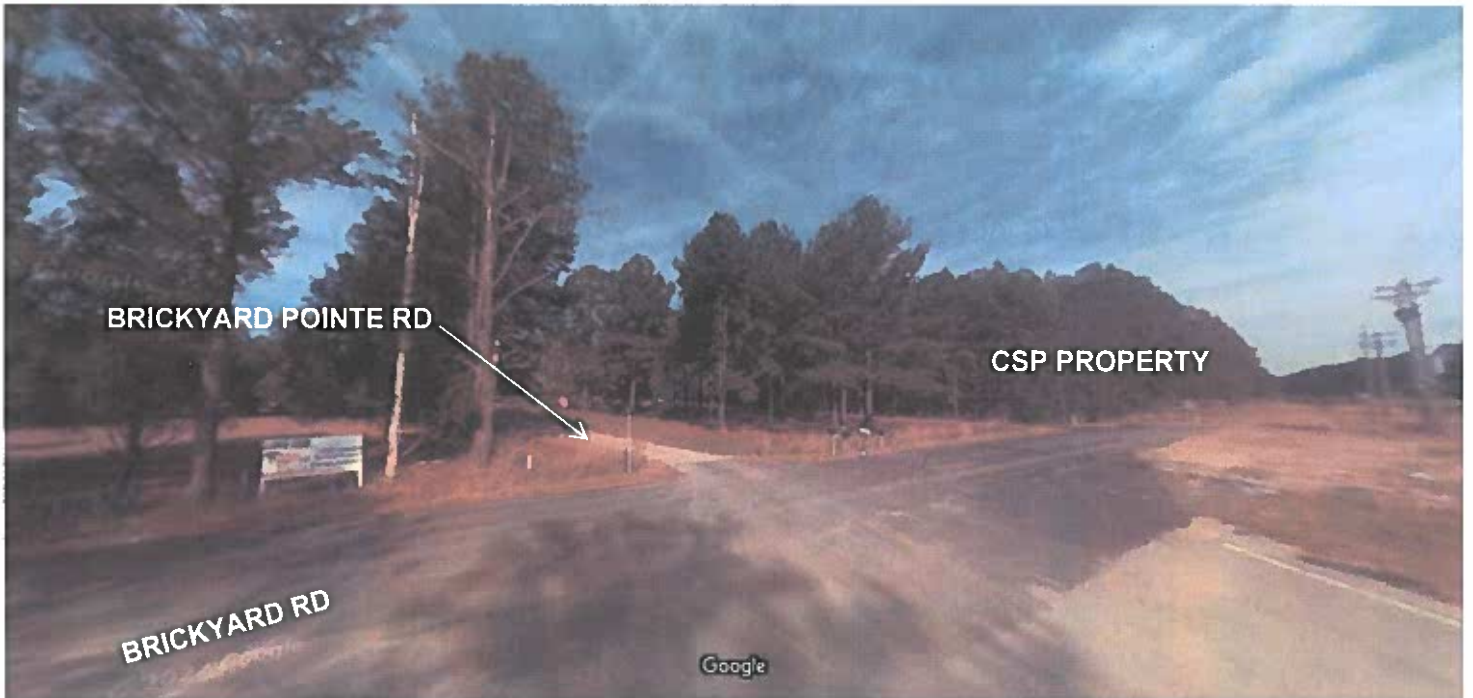


Image capture: Dec 2007 © 2022 Google

Google

Street View - Dec 2007

**EXHIBIT I.c - BRICKYARD POINTE ROAD  
2 LANE, OPEN SECTION, GRAVEL ROAD**



EXHIBIT J:  
**TRAFFIC IMPACT ANALYSIS**

**EXHIBIT J**  
**CSP DEVELOPMENT**  
*Traffic Impact Analysis*

# **US 278 Residential Development Jasper County, SC**

**INCLUDES:**

1. SCDOT TIA APPROVAL EMAIL DTD 7.7.22
2. SUMMARY OF APPROVED IMPROVEMENTS  
EXTRACTED FROM THE APPROVED TIA

*Prepared for:*  
**Conduit Street Partners**

© Bihl Engineering, LLC 2022

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**From:** [Johnson, Joshua A.](#)  
**To:** ["Jennifer Bihl"](#)  
**Cc:** [Peter Zadoretzky](#); [Jeff Ackerman](#); [Fleming, Juleigh B.](#); [Grooms, Robert W.](#); [Payne, Adam C.](#)  
**Subject:** RE: 278 Residential Development (Conduit Street Partners - Jasper County) Traffic Study - For Review  
**Date:** Thursday, July 7, 2022 2:32:38 PM  
**Attachments:** [220705\\_278 Residential TIA Report FINAL.pdf](#)

---

Jennifer,

The US 278 (Brickyard) Residential TIA is accepted with the proposed mitigation of westbound right-turn lanes into the site driveways on US 278. Additionally, as outlined in the scoping and eluded to in the TIA, the site driveway at Brickyard Rd will need to be realigned to a more traditional T intersection.

Please upload the TIA and this [approval email](#) with the encroachment application in EPPS.

Thank you,

**Josh Johnson, PE, PTOE**

District Traffic Engineer | SCDOT District 6

**From:** Jennifer Bihl <jennifer@bihl-engineering.com>  
**Sent:** Tuesday, July 5, 2022 4:48 PM  
**To:** Johnson, Joshua A. <JohnsonJA@scdot.org>  
**Cc:** Peter Zadoretzky <pzadoretzky@oapartners.com>; Jeff Ackerman <jeffa@carolinaengineering.com>  
**Subject:** 278 Residential Development (Conduit Street Partners - Jasper County) Traffic Study - For Review

**\*\*\* This is an EXTERNAL email. Please do not click on a link or open any attachments unless you are confident it is from a trusted source. \*\*\***

Josh,

I hope you had a great holiday weekend!

Please see attached traffic impact analysis for the 278 Residential Development (Conduit Street Partners - Jasper County) traffic study.

Let me know if you have any questions or comments.

Thanks,  
Jennifer

Jennifer T. Bihl, PE, PTOE, RSP21  
Bihl Engineering, LLC

Based on the results of the analysis, the following transportation-related improvements are recommended as a part of this project:

- Coordination with Jasper County and SCDOT staff on proposed driveway locations and design details
- Installation of westbound right-turn lane on US 278 at Site Access #1
- Installation of westbound right-turn lane on US 278 at Site Access #2
- Installation of exclusive southbound left-turn and right-turn lanes on Site Access #2
- Coordinate with SCDOT and Jasper County on the possible reconfiguration of the Brickyard Road at Brickyard Pointe intersection with the addition of the new site driveway at Brickyard Road

Results in this report are based solely on traffic studies and are considered input into final design considerations. The final design will be determined by the project engineer after other design elements (such as, but not limited to, utilities, stormwater, etc.) are taken into consideration.

These are the project exit lanes to WB US 278 (right turn) and to EB US 278. (cross US 278 WB lanes to median cut to left turn onto EB US 278).

## 2.0 Introduction

The US 278 Residential Development is proposed to be located on US 278 in Jasper County, SC. The development is proposed to include 167 single-family detached homes and 108 townhome/duplex units. The development will be accessed via two new full access driveways one each on US 278 and Brickyard Road, respectively, and RIRO driveway on US 278. For the purposes of this TIA, the development is assumed to be complete in 2025.

This report presents the trip generation, distribution, traffic analyses, and any recommendations for transportation improvements required to meet anticipated traffic demands.

## 3.0 Inventory

### 3.1 Study Area

The study area for the TIA includes the following existing intersections.

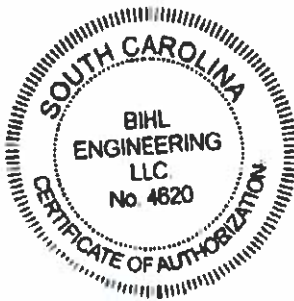
- Brickyard Road at US 278 (unsignalized)
- Brickyard Road at Brickyard Pointe (unsignalized)

Figure 1 (Appendix) shows the proposed development location and Figure 2 (Appendix) shows the project conceptual site plan.

**Traffic Impact Analysis  
US 278 Residential Development  
Jasper County, SC**

**Prepared for:  
Conduit Street Partners**

**Prepared by:  
Bihl Engineering, LLC  
306 Meeting Street, Suite 300  
Charleston, SC 29401  
Mail:  
P.O. Box 31318  
Charleston, SC 29417  
(843) 637-9187**



**July 2022**

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## 1.0 Executive Summary

The US 278 Residential Development is proposed to be located on US 278 in Jasper County, SC. The development is proposed to include 167 single-family detached homes and 108 townhome/duplex units. The development will be accessed via two new full access driveways one each on US 278 and Brickyard Road, respectively, and one right-in, right out (RIRO) driveway on US 278. For the purposes of this traffic impact analysis (TIA), the development is assumed to be complete in 2025.

The study area for the TIA includes the following intersections:

- US 278 at Brickyard Road (unsignalized)
- Brickyard Road at Brickyard Pointe (unsignalized)
- US 278 at Site Access #1 (unsignalized) (2025 Build conditions only)
- US 278 at Site Access #2 (unsignalized) (2025 Build conditions only)

Based on the results of the analysis, the existing study area intersection Brickyard Road at Brickyard Pointe currently operates acceptably in the AM and PM peak hours. In the 2025 No Build and Build conditions, the intersection of Brickyard Road at Brickyard Pointe is projected to operate acceptably during the AM and PM peak hours.

The existing intersection of US 278 at Brickyard Road currently operates acceptably in the AM peak hour and with elevated delay in the PM peak hour. US 278 at Brickyard Road is projected to operate with elevated delay during the AM and PM peak hours in the 2025 No Build and Build conditions. The maximum vehicle queues on Brickyard Road are projected to increase to approximately four vehicles during the 2025 Build conditions, an increase of one vehicle from the 2025 No Build conditions.

US 278 at Site Access #1 is projected to operate acceptably in the AM and PM peak hour 2025 Build conditions. US 278 at Site Access #2 is projected to operate acceptably during the AM peak hour and with elevated delay during the PM peak hour in the 2025 Build conditions. The maximum vehicle queues on Site Access #2 are projected to be four vehicles during the 2025 Build conditions.

It is not uncommon for the unsignalized side streets on a major road to operate with elevated delay during the peak hours, while the main road experiences little to no delay. Furthermore, the planned signalization of the intersection of US 278 at Lakeside Boulevard N/Latitude Boulevard east of the project will likely create some additional gaps in the US 278 westbound traffic flow allowing for more opportunities for vehicles to exit the project than what are accounted for in the traffic analysis. Therefore, the unsignalized intersections may operate slightly better than what is shown in the report.



Based on the results of the analysis, the following transportation-related improvements are recommended as a part of this project:

- Coordination with Jasper County and SCDOT staff on proposed driveway locations and design details
- Installation of westbound right-turn lane on US 278 at Site Access #1
- Installation of westbound right-turn lane on US 278 at Site Access #2
- Installation of exclusive southbound left-turn and right-turn lanes on Site Access #2
- Coordinate with SCDOT and Jasper County on the possible reconfiguration of the Brickyard Road at Brickyard Pointe intersection with the addition of the new site driveway at Brickyard Road

Results in this report are based solely on traffic studies and are considered input into final design considerations. The final design will be determined by the project engineer after other design elements (such as, but not limited to, utilities, stormwater, etc.) are taken into consideration.

## 2.0 Introduction

The US 278 Residential Development is proposed to be located on US 278 in Jasper County, SC. The development is proposed to include 167 single-family detached homes and 108 townhome/duplex units. The development will be accessed via two new full access driveways one each on US 278 and Brickyard Road, respectively, and RIRO driveway on US 278. For the purposes of this TIA, the development is assumed to be complete in 2025.

This report presents the trip generation, distribution, traffic analyses, and any recommendations for transportation improvements required to meet anticipated traffic demands.

## 3.0 Inventory

### 3.1 Study Area

The study area for the TIA includes the following existing intersections.

- Brickyard Road at US 278 (unsignalized)
- Brickyard Road at Brickyard Pointe (unsignalized)

Figure 1 (Appendix) shows the proposed development location and Figure 2 (Appendix) shows the project conceptual site plan.

### 3.2 Existing Conditions

Roadways in the project vicinity include US 278, Brickyard Road, and Brickyard Pointe.

US 278 is a four-lane divided roadway with a posted speed limit of 60 miles per hour (mph). Per South Carolina Department of Transportation (SCDOT) counts, along the corridor, US 278 has a 2021 Annual Average Daily Traffic (AADT) of 30,500 vehicles per day (vpd) in the vicinity of the project.

Brickyard Road is a two-lane, undivided roadway.

Brickyard Pointe is a two-lane, undivided roadway.

Figure 3 (Appendix) shows the existing roadway laneage in the study area.

### 4.0 Traffic Generation

The potential trip generation of the proposed development was determined using trip generation information from the Institute of Transportation Engineers' (ITE) *Trip Generation, 11<sup>th</sup> Edition* (2021).

Table 1 summarizes the AM and PM peak hour trips associated with the proposed development.

| Land Use and Intensity                               | ITE Land Use Code | AM Peak Hour |           |            | PM Peak Hour |            |           |
|--|-------------------|--------------|-----------|------------|--------------|------------|-----------|
|  |                   | Total        | In        | Out        | Total        | In         | Out       |
| Single Family Detached Housing – 167 Dwelling Units  | 210               | 119          | 31        | 88         | 161          | 101        | 60        |
| Townhomes/Duplexes – 108 Dwelling Units <sup>1</sup> | 220               | 57           | 14        | 43         | 67           | 42         | 25        |
| <b>New Trips</b>                                     |                   | <b>176</b>   | <b>45</b> | <b>131</b> | <b>228</b>   | <b>143</b> | <b>85</b> |

Source: *ITE Trip Generation, 11<sup>th</sup> Edition*

1. Land Use Code 220 (Multifamily (Low-Rise) – not close to rail transit) was applied to the analysis for the townhomes/duplexes

As shown in Table 1, the proposed development is projected to generate 176 new trips (45 entering, 131 exiting) during the AM peak hour and 228 new trips (143 entering, 85 exiting) during the PM peak hour.

### 5.0 Site Traffic Distribution

The proposed development traffic was assigned to the surrounding roadway network. The directional distribution and assignment were based on qualitative knowledge of the project area, quantitative application of existing traffic patterns, and expected trip length.

The following general trip distribution was applied to the project trips associated with the proposed development.

- 45% to/from the west on US 278
- 55% to/from the east on US 278

Figure 4 (Appendix) shows the traffic distribution for the proposed development in the study area.

## 6.0 Traffic Volumes

### 6.1 Existing Traffic

Peak hour intersection turning movement counts including vehicular, pedestrian, and heavy vehicle traffic were performed in May 2022 from 7:00 AM to 9:00 AM and from 4:00 PM to 6:00 PM at the following intersections:

- Brickyard Road at US 278 (unsignalized)
- Brickyard Road at Brickyard Pointe (unsignalized)

Existing peak hour intersection turning movement volumes are shown on Figure 5 (Appendix). The turning movement count data is included in the Appendix.

### 6.2 2025 No Build Traffic

Historic growth is the increase in existing traffic volumes due to usage increases and non-specific growth throughout the area. An overall growth rate of 2.0% per year was applied to the study area in the analysis.

The 2025 No Build traffic volumes include existing traffic grown to the buildout year. Figure 6 (Appendix) and Figure 7 (Appendix) show the 2025 No Build AM and PM peak hour traffic volumes, respectively.

### 6.3 Project Traffic

The AM peak hour and PM peak hour projected proposed development trips were assigned based on the trip distribution discussed in Section 5.

### 6.4 2025 Build Traffic

The 2025 total traffic volumes include the 2025 background traffic and the proposed development traffic at buildout. The 2025 AM and PM peak hour total traffic volumes are shown in Figure 6 (Appendix) and Figure 7 (Appendix), respectively.

Intersection volume development worksheets are included in the Appendix.

## 7.0 Capacity Analysis

Capacity analyses were performed for the AM and PM peak hours in the Existing, 2025 No Build, and 2025 Build conditions using the Synchro, Version 10 software program to determine the operating characteristics of the adjacent roadway network and the impacts of the proposed development. The analyses were conducted with methodologies contained in the *Highway Capacity Manual, 6<sup>th</sup> Edition* (HCM 6) (Transportation Research Board, December 2016). The Synchro output sheets are included in the **Appendix**.

Capacity of an intersection is defined as the maximum number of vehicles that can pass through an intersection during a specified time, typically an hour. Capacity is described by level of service (LOS) for the operating characteristics of an intersection. LOS is a qualitative measure that describes operational conditions and motorist perceptions within a traffic stream. HCM 6 defines six levels of service, LOS A through LOS F, with A being the best and F being the worst.

LOS for a two-way stop-controlled (TWSC) intersection is determined by the delay of the poorest performing minor approach, as LOS is not defined for TWSC intersections as a whole. At a TWSC intersection, the major street experiences little to no delay.

Capacity analyses were performed for the Existing, 2025 No Build, and 2025 Build AM and PM peak hour traffic conditions at the following intersections:

- US 278 at Brickyard Road (unsignalized)
- Brickyard Road at Brickyard Pointe (unsignalized)
- US 278 at Site Access #1 (unsignalized) (2025 Build conditions only)
- US 278 at Site Access #2 (unsignalized) (2025 Build conditions only)

Any peak hour factors (PHF) above 0.95 were adjusted to 0.95 in all conditions for the purposes of the analysis. Any heavy vehicle percentages (HV%) below 2.0% were adjusted to 2.0% in all conditions for the purposes of the analysis.

The 95<sup>th</sup> percentile queue is considered the maximum number of vehicles that will queue while waiting to complete their maneuver at the intersection. Queues discussed in the report represent the 95<sup>th</sup> percentile or maximum queue.

Table 2 summarizes LOS and control delay (average seconds of delay per vehicle) for the projected Existing, 2025 No Build, and 2025 Build AM and PM peak hour conditions at the study area locations.

**Table 2:  
Level of Service and Delay (average seconds per vehicle)**

| Intersection                       | Traffic Control <sup>1</sup> | Existing Conditions |                  | 2025 No Build Conditions |                  | 2025 Build Conditions |                   |
|------------------------------------|------------------------------|---------------------|------------------|--------------------------|------------------|-----------------------|-------------------|
|                                    |                              | AM Peak Hour        | PM Peak Hour     | AM Peak Hour             | PM Peak Hour     | AM Peak Hour          | PM Peak Hour      |
| US 278 at Brickyard Road           | U                            | D<br>(32.5) – SB    | F<br>(82.8) – SB | E<br>(37.9) – SB         | F<br>(93.7) – SB | E<br>(43.6) – SB      | F<br>(127.7) – SB |
| Brickyard Road at Brickyard Pointe | U                            | A<br>(9.0) – WB     | A<br>(9.0) – WB  | A<br>(9.1) – WB          | A<br>(9.0) – WB  | A<br>(9.4) – WB       | A<br>(9.3) – WB   |
| US 278 at Site Access #1           | U                            | N/A                 | N/A              | N/A                      | N/A              | B<br>(12.3) – SB      | C<br>(22.4) – SB  |
| US 278 at Site Access #2           | U                            | N/A                 | N/A              | N/A                      | N/A              | D<br>(30.9) – SB      | F<br>(132.1) – SB |

N/A = Not Applicable

1. S = Signalized, U = Unsignalized

### 7.1 US 278 at Brickyard Road

Two vehicles of median storage were assumed on US 278. As shown in Table 2, the unsignalized intersection of US 278 at Brickyard Road currently operates acceptably at LOS D during the AM peak hour and operates with elevated delay at LOS F during the PM peak hour. The intersection is projected to operate with elevated delay at LOS E during the AM peak hour and at LOS F during the PM peak hour in the 2025 No Build and 2025 Build conditions. It is not uncommon for the unsignalized side streets on a major road to operate with elevated delay during the peak hours, while the main road experiences little to no delay.

The 95<sup>th</sup> percentile southbound queue is projected to increase by one vehicle between the 2025 No Build and 2025 Build conditions in the AM and PM peak hours to approximately three vehicles during the AM peak hour and approximately four vehicles during the PM peak hour.

The planned signalization of the intersection of US 278 at Lakeside Boulevard N/Latitude Boulevard approximately 4,700 feet east of the project will likely create some additional gaps in the US 278 westbound traffic flow allowing for more opportunities for vehicles to exit the property than what are incorporated in the traffic analysis for the project. It is expected that the actual operations of the intersection of US 278 at Brickyard Road will be slightly better than shown, as these gaps in US 278 westbound traffic flow created by the adjacent signal are not able to be fully accounted for in the analysis.

### 7.2 *Brickyard Road at Brickyard Pointe*

As shown in **Table 2**, the unsignalized intersection of Brickyard Road at Brickyard Pointe currently operates acceptably at LOS A during the AM and PM peak hours. The intersection is expected to operate at LOS A during the AM and PM peak hours in the 2025 No Build and 2025 Build conditions.

It is recommended that the intersection be considered for reconfiguration due to the improved connection to the proposed development. This should be coordinated with SCDOT and Jasper County.

### 7.3 *US 278 at Site Access #1*

SCDOT *Roadway Design Manual (2021)* guidelines were reviewed at the unsignalized intersection of US 278 at Site Access #1 to determine if criteria were met for the installation of a westbound right-turn lane. Based on the projected 2025 Build conditions AM and PM peak hour traffic volumes to the criteria, it was determined that a westbound right-turn lane should be considered at the intersection and is therefore recommended. The turn lane analysis chart is included in the **Appendix**.

As shown in **Table 2**, the unsignalized intersection of US 278 at Site Access #1 is projected to operate at LOS B during the AM peak hour and at LOS C during the PM peak hour in the 2025 Build conditions.

Driveway design details should be coordinated with SCDOT and Jasper County.

### 7.4 *US 278 at Site Access #2*

SCDOT *Roadway Design Manual (2021)* guidelines were reviewed at the unsignalized intersection of US 278 at Site Access #2 to determine if criteria were met for the installation of a westbound right-turn lane. Based on the projected 2025 Build conditions AM and PM peak hour traffic volumes to the criteria, it was determined that a westbound right-turn lane was not necessary at the intersection. The turn lane analysis chart is included in the **Appendix**. Site Access #2 provides access to the center of the site and therefore, a westbound right-turn lane was assumed at this location.

Two vehicles of median storage were assumed on US 278. It was also assumed that there would be exclusive southbound left-turn and right-turn lanes exiting the site. As shown in **Table 2**, the unsignalized intersection of US 278 at Site Access #2 is projected to operate acceptably at LOS D during the AM peak hour and operates with elevated delay at LOS F during the PM peak hour in the 2025 Build conditions. It is not uncommon for the unsignalized side streets on a major road to operate with elevated delay during the peak hours, while the main road experiences little to no delay.

The planned signalization of the intersection of US 278 at Lakeside Boulevard N/Latitude Boulevard approximately 3,300 feet east of the project will likely create some additional gaps in the US 278 westbound traffic flow allowing for more opportunities for vehicles to exit the property than what are incorporated in the traffic analysis for the project. It is expected that the actual operations of the intersection of US 278 at Site Access #2 will be slightly better than shown, as these gaps in US 278 westbound traffic flow created by the adjacent signal are not able to be fully accounted for in the analysis.

The 95<sup>th</sup> percentile southbound approach queue is projected to be approximately two vehicles in the AM peak hour and approximately four vehicles in the PM peak hour in the 2025 Build conditions.

Driveway design details should be coordinated with SCDOT and Jasper County.

## **8.0 Conclusion**

The US 278 Residential Development is proposed to be located on US 278 in Jasper County, SC. The development is proposed to include 167 single-family detached homes and 108 townhome/duplex units. The development will be accessed via two new full access driveways one each on US 278 and Brickyard Road, respectively, and RIRO driveway on US 278. For the purposes of this TIA, the development is assumed to be complete in 2025.

Based on the results of the analysis, the following transportation-related improvements are recommended as a part of this project:

- Coordination with Jasper County and SCDOT staff on proposed driveway locations and design details
- Installation of westbound right-turn lane on US 278 at Site Access #1
- Installation of westbound right-turn lane on US 278 at Site Access #2
- Installation of exclusive southbound left-turn and right-turn lanes on Site Access #2
- Coordinate with SCDOT and Jasper County on the possible reconfiguration of the Brickyard Road at Brickyard Pointe intersection with the addition of the new site driveway at Brickyard Road

Results in this report are based solely on traffic studies and are considered input into final design considerations. The final design will be determined by the project engineer after other design elements (such as, but not limited to, utilities, stormwater, etc.) are taken into consideration.

## Appendix





Aerial Source: Google Earth



US 278 Residential Development  
Traffic Impact Analysis

Site  
Location

Figure 1

**EXHIBIT B  
CONCEPTUAL MASTER PLAN**



**WOOD+PARTNERS**  
 LAND PLANNING ARCHITECTURE  
 1000 W. MAIN ST. SUITE 200  
 ASHEVILLE, NC 28702  
 828.252.1111

**CSP DEVELOPMENT - SINGLE FAMILY RENTAL COMMUNITY  
 CONCEPTUAL MASTER PLAN  
 JASPER COUNTY, NC**  
 March 2018

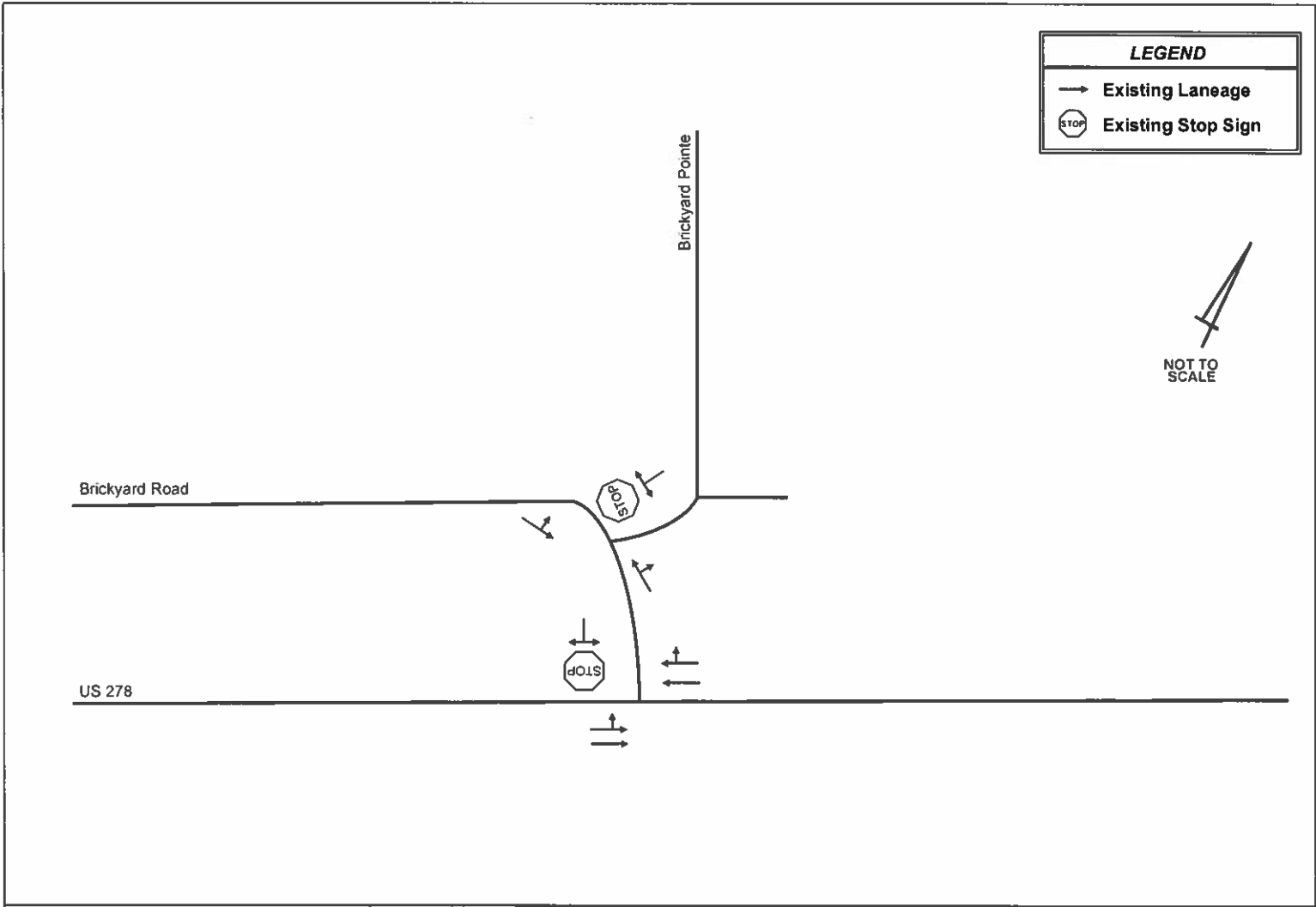
Applicant: Conduit Street Partners, LLC  
 Scale: 1" = 100' (Horizontal)  
 1" = 20' (Vertical)  
 THIS MAP IS SUBJECT TO ANY LOCAL, STATE, FEDERAL, AND FEDERAL REGULATIONS.  
 THE INFORMATION IS FOR INFORMATIONAL PURPOSES ONLY.

Source: Wood & Partners

**US 278 Residential Development  
 Traffic Impact Analysis**

**Conceptual  
 Site Plan**

**Figure 2**



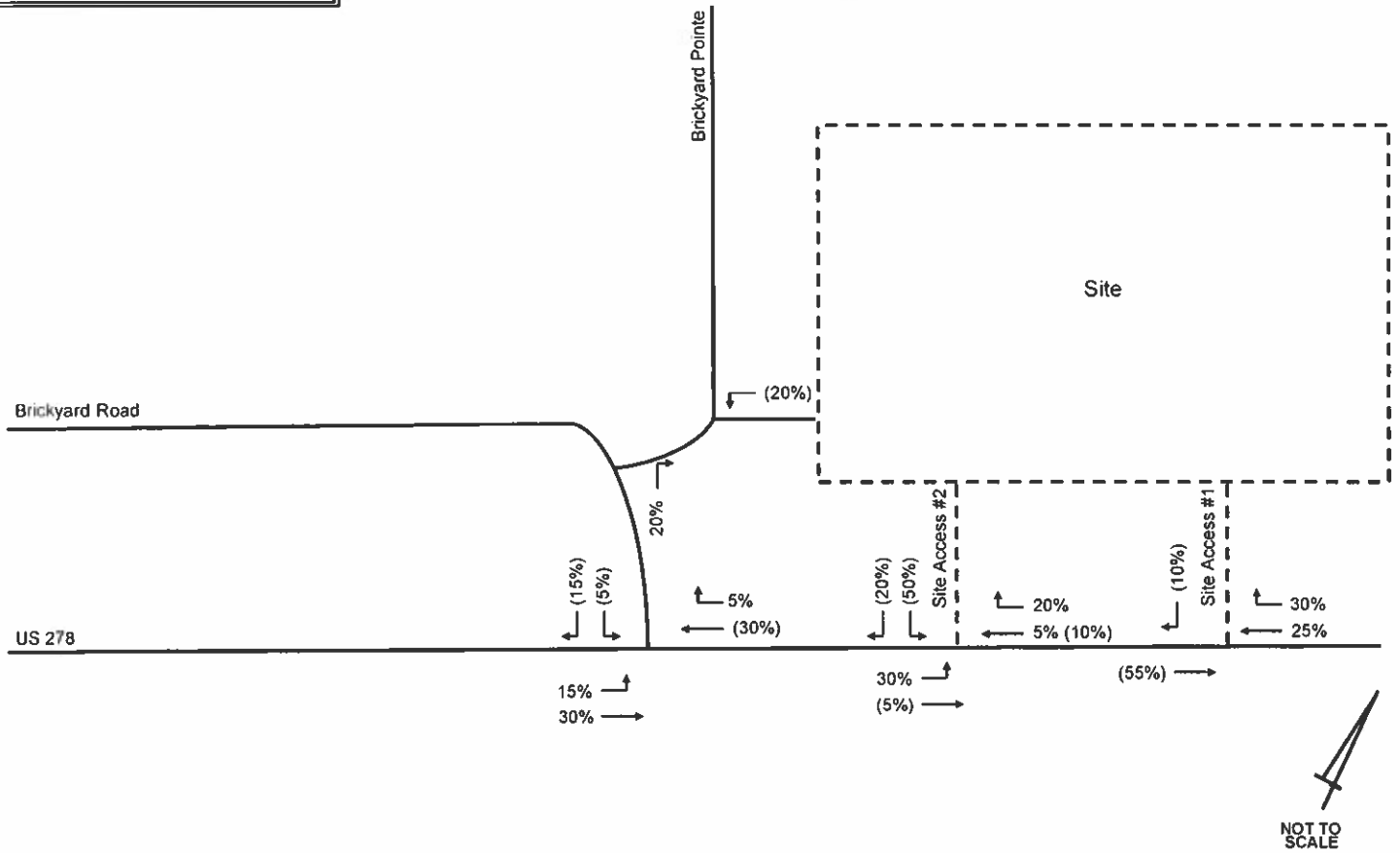
US 278 Residential Development  
Traffic Impact Analysis

Existing Laneage

Figure 3

**LEGEND**

- XX Vehicle Entering Distribution
- (XX) Vehicle Exiting Distribution



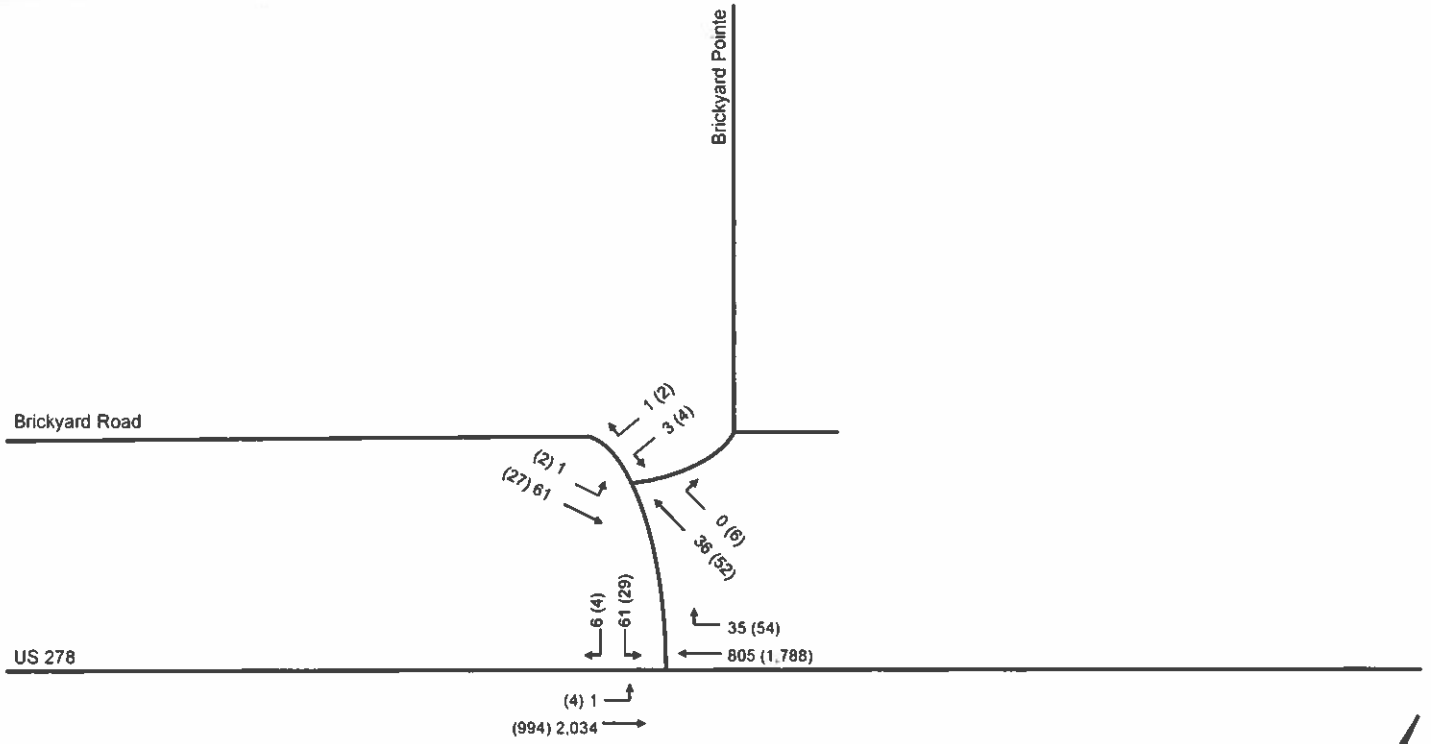
US 278 Residential Development  
Traffic Impact Analysis

Trip Distribution

Figure 4

**LEGEND**

- XX** AM Peak Hour Traffic
- (XX)** PM Peak Hour Traffic



NOT TO SCALE



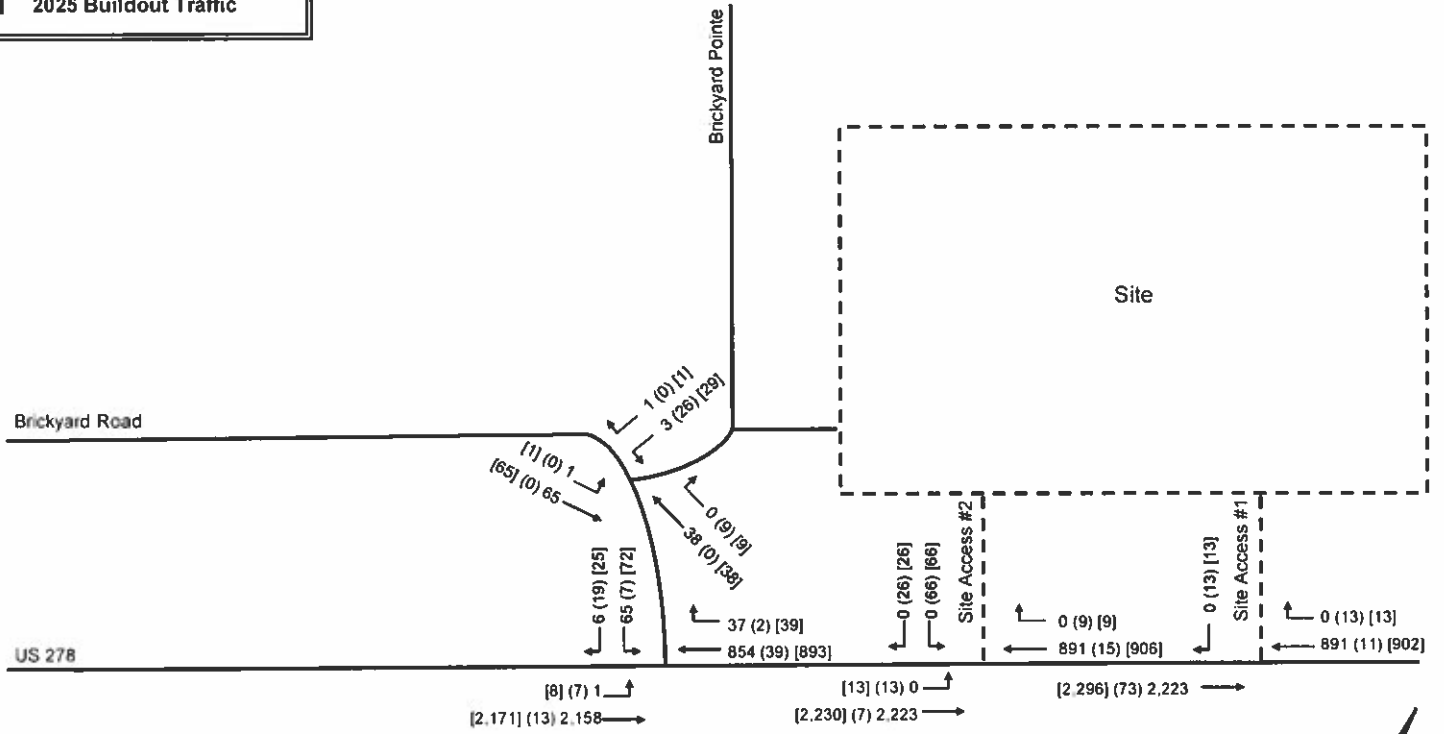
**US 278 Residential Development  
Traffic Impact Analysis**

**Existing  
Traffic Volumes**

**Figure 5**

**LEGEND**

- XX 2025 Background Traffic
- (XX) Site Traffic
- [XX] 2025 Buildout Traffic



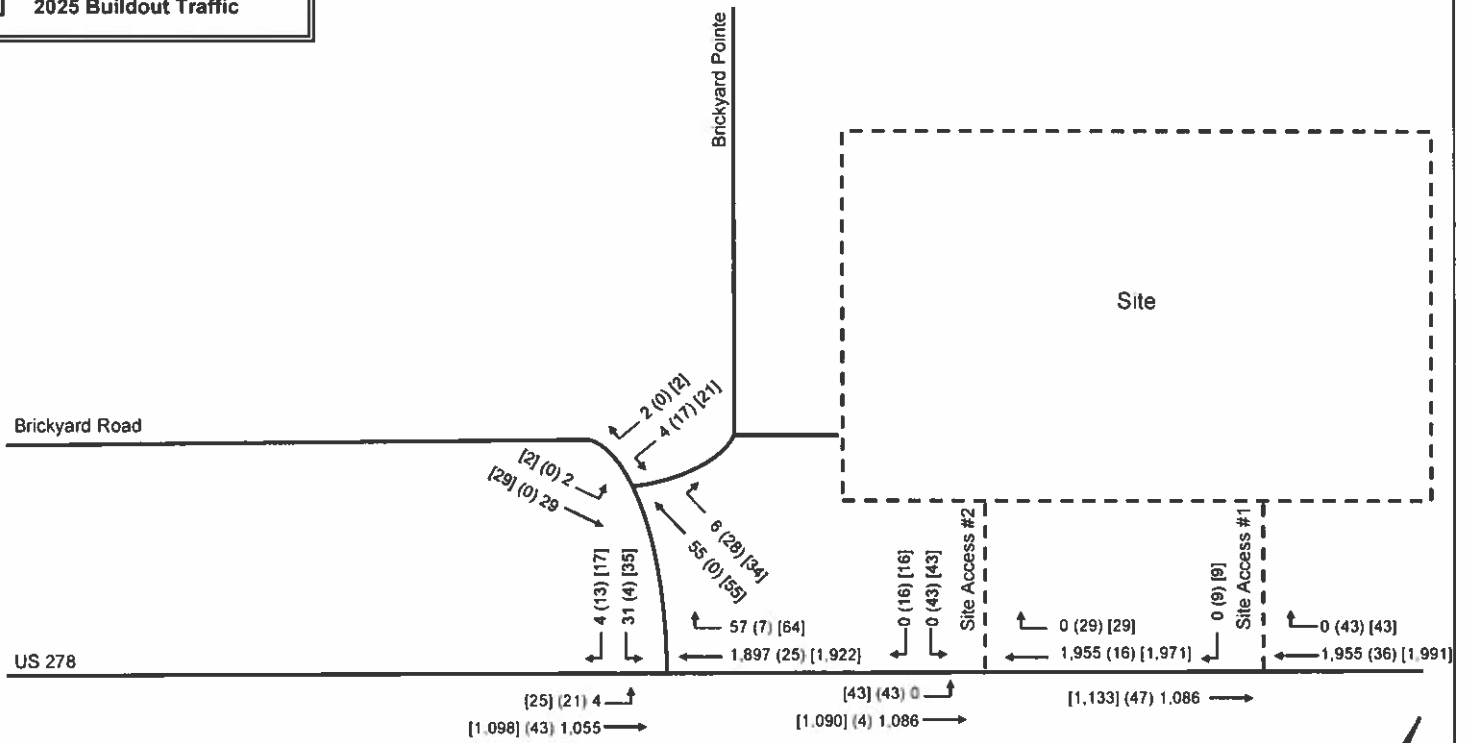
**US 278 Residential Development  
Traffic Impact Analysis**

**2025 AM Peak  
Traffic Volumes**

**Figure 6**

**LEGEND**

- XX 2025 Background Traffic
- (XX) Site Traffic
- [XX] 2025 Buildout Traffic



NOT TO SCALE



US 278 Residential Development  
Traffic Impact Analysis

2025 PM Peak  
Traffic Volumes

Figure 7

# Short Counts

File Name : Brickyard Pointe @ Brickyard Rd  
 Site Code :  
 Start Date : 5/10/2022  
 Page No : 1

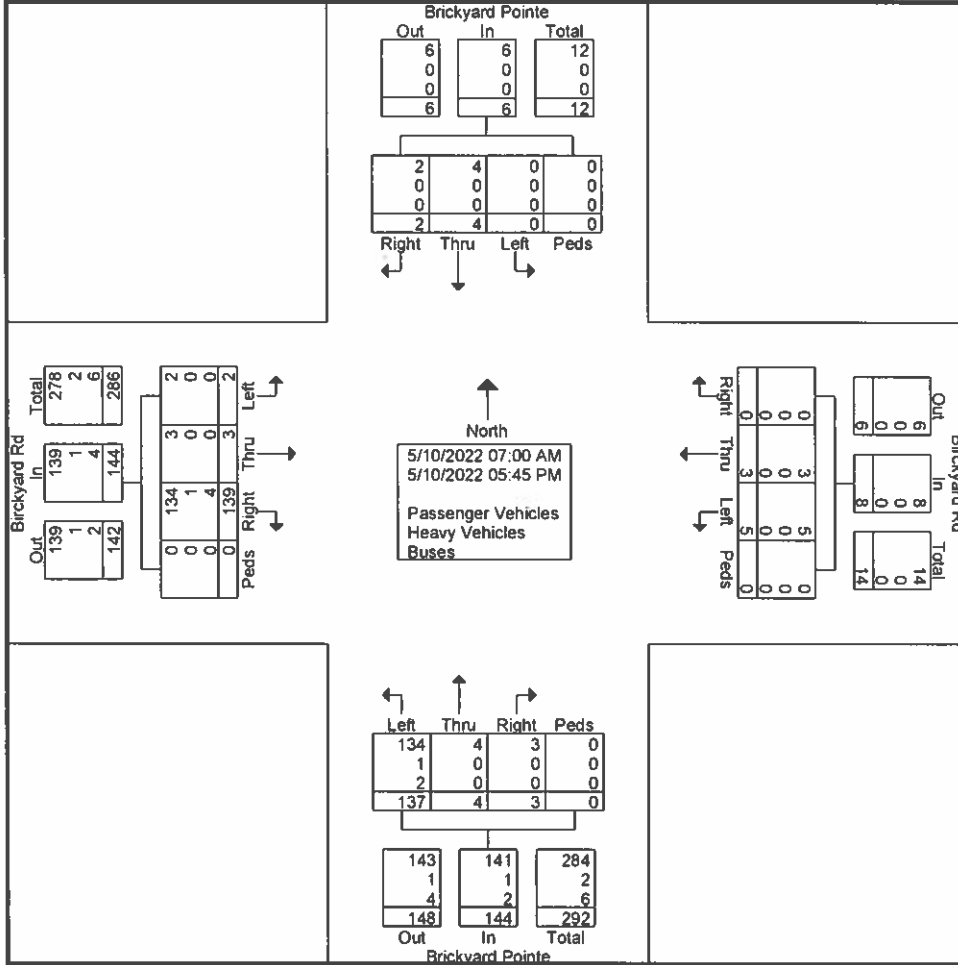
## Groups Printed- Passenger Vehicles - Heavy Vehicles - Buses

| Start Time           | Brickyard Pointe From North |      |       |      | Brickyard Rd From East |      |       |      | Brickyard Pointe From South |      |       |      | Brickyard Rd From West |      |       |      | Int Total |
|----------------------|-----------------------------|------|-------|------|------------------------|------|-------|------|-----------------------------|------|-------|------|------------------------|------|-------|------|-----------|
|                      | Left                        | Thru | Right | Peds | Left                   | Thru | Right | Peds | Left                        | Thru | Right | Peds | Left                   | Thru | Right | Peds |           |
| 07:00 AM             | 0                           | 1    | 0     | 0    | 0                      | 0    | 0     | 0    | 12                          | 0    | 0     | 0    | 0                      | 0    | 19    | 0    | 32        |
| 07:15 AM             | 0                           | 1    | 1     | 0    | 0                      | 0    | 0     | 0    | 10                          | 0    | 0     | 0    | 0                      | 0    | 19    | 0    | 31        |
| 07:30 AM             | 0                           | 0    | 0     | 0    | 0                      | 0    | 0     | 0    | 8                           | 0    | 0     | 0    | 0                      | 0    | 12    | 0    | 20        |
| 07:45 AM             | 0                           | 1    | 0     | 0    | 0                      | 0    | 0     | 0    | 6                           | 0    | 0     | 0    | 1                      | 0    | 11    | 0    | 19        |
| Total                | 0                           | 3    | 1     | 0    | 0                      | 0    | 0     | 0    | 36                          | 0    | 0     | 0    | 1                      | 0    | 61    | 0    | 102       |
| 08:00 AM             | 0                           | 0    | 0     | 0    | 0                      | 0    | 0     | 0    | 12                          | 0    | 0     | 0    | 0                      | 0    | 14    | 0    | 26        |
| 08:15 AM             | 0                           | 0    | 0     | 0    | 0                      | 0    | 0     | 0    | 2                           | 1    | 0     | 0    | 0                      | 0    | 7     | 0    | 10        |
| 08:30 AM             | 0                           | 0    | 0     | 0    | 0                      | 0    | 0     | 0    | 7                           | 0    | 0     | 0    | 0                      | 0    | 6     | 0    | 13        |
| 08:45 AM             | 0                           | 0    | 0     | 0    | 0                      | 0    | 0     | 0    | 5                           | 0    | 0     | 0    | 1                      | 0    | 3     | 0    | 9         |
| Total                | 0                           | 0    | 0     | 0    | 0                      | 0    | 0     | 0    | 26                          | 1    | 0     | 0    | 1                      | 0    | 30    | 0    | 58        |
| 04:00 PM             | 0                           | 0    | 0     | 0    | 1                      | 0    | 0     | 0    | 5                           | 0    | 0     | 0    | 0                      | 1    | 9     | 0    | 16        |
| 04:15 PM             | 0                           | 0    | 1     | 0    | 1                      | 0    | 0     | 0    | 6                           | 0    | 0     | 0    | 0                      | 0    | 5     | 0    | 13        |
| 04:30 PM             | 0                           | 0    | 0     | 0    | 0                      | 0    | 0     | 0    | 7                           | 0    | 0     | 0    | 0                      | 0    | 2     | 0    | 9         |
| 04:45 PM             | 0                           | 0    | 0     | 0    | 2                      | 1    | 0     | 0    | 16                          | 1    | 1     | 0    | 0                      | 1    | 9     | 0    | 31        |
| Total                | 0                           | 0    | 1     | 0    | 4                      | 1    | 0     | 0    | 34                          | 1    | 1     | 0    | 0                      | 2    | 25    | 0    | 69        |
| 05:00 PM             | 0                           | 0    | 0     | 0    | 0                      | 0    | 0     | 0    | 14                          | 1    | 0     | 0    | 0                      | 1    | 3     | 0    | 19        |
| 05:15 PM             | 0                           | 1    | 0     | 0    | 0                      | 0    | 0     | 0    | 13                          | 1    | 0     | 0    | 0                      | 0    | 8     | 0    | 23        |
| 05:30 PM             | 0                           | 0    | 0     | 0    | 1                      | 1    | 0     | 0    | 9                           | 0    | 2     | 0    | 0                      | 0    | 7     | 0    | 20        |
| 05:45 PM             | 0                           | 0    | 0     | 0    | 0                      | 1    | 0     | 0    | 5                           | 0    | 0     | 0    | 0                      | 0    | 5     | 0    | 11        |
| Total                | 0                           | 1    | 0     | 0    | 1                      | 2    | 0     | 0    | 41                          | 2    | 2     | 0    | 0                      | 1    | 23    | 0    | 73        |
| Grand Total          | 0                           | 4    | 2     | 0    | 5                      | 3    | 0     | 0    | 137                         | 4    | 3     | 0    | 2                      | 3    | 139   | 0    | 302       |
| Apprch %             | 0                           | 66.7 | 33.3  | 0    | 62.5                   | 37.5 | 0     | 0    | 95.1                        | 2.8  | 2.1   | 0    | 1.4                    | 2.1  | 96.5  | 0    |           |
| Total %              | 0                           | 1.3  | 0.7   | 0    | 1.7                    | 1    | 0     | 0    | 45.4                        | 1.3  | 1     | 0    | 0.7                    | 1    | 46    | 0    |           |
| Passenger Vehicles   | 0                           | 4    | 2     | 0    | 5                      | 3    | 0     | 0    | 134                         | 4    | 3     | 0    | 2                      | 3    | 134   | 0    | 294       |
| % Passenger Vehicles | 0                           | 100  | 100   | 0    | 100                    | 100  | 0     | 0    | 97.8                        | 100  | 100   | 0    | 100                    | 100  | 96.4  | 0    | 97.4      |
| Heavy Vehicles       | 0                           | 0    | 0     | 0    | 0                      | 0    | 0     | 0    | 1                           | 0    | 0     | 0    | 0                      | 0    | 1     | 0    | 2         |
| % Heavy Vehicles     | 0                           | 0    | 0     | 0    | 0                      | 0    | 0     | 0    | 0.7                         | 0    | 0     | 0    | 0                      | 0    | 0.7   | 0    | 0.7       |
| Buses                | 0                           | 0    | 0     | 0    | 0                      | 0    | 0     | 0    | 2                           | 0    | 0     | 0    | 0                      | 0    | 4     | 0    | 6         |
| % Buses              | 0                           | 0    | 0     | 0    | 0                      | 0    | 0     | 0    | 1.5                         | 0    | 0     | 0    | 0                      | 0    | 2.9   | 0    | 2         |



# Short Counts

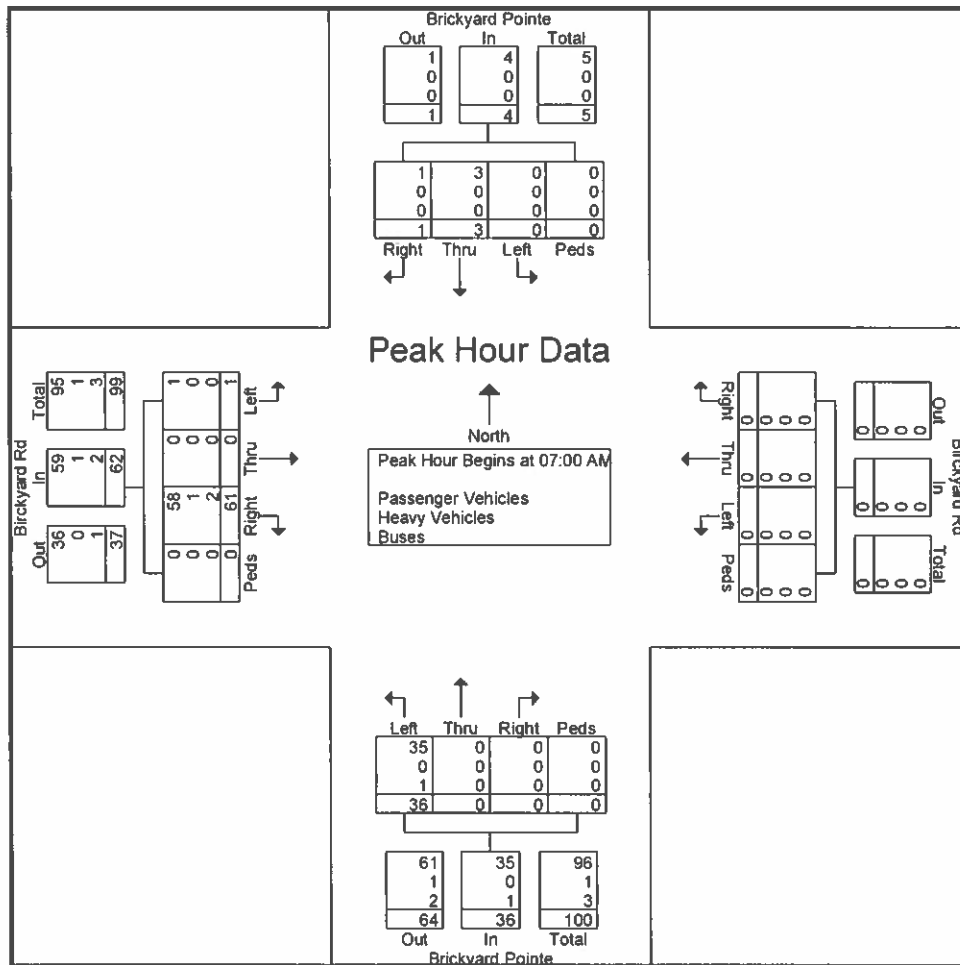
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 Site Code :  
 Start Date : 5/10/2022  
 Page No : 2



# Short Counts

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 Site Code :  
 Start Date : 5/10/2022  
 Page No : 3

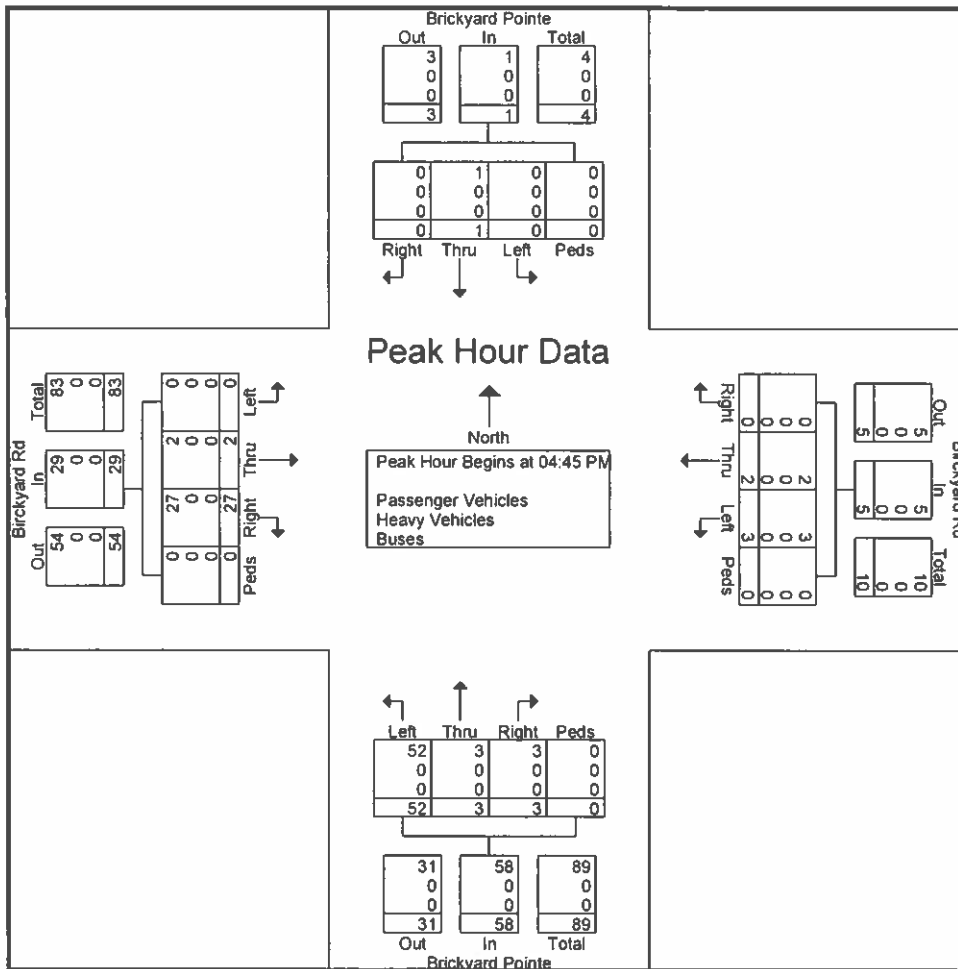
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|--|-----------------------------|------|-------|------|------------|------------------------|------|-------|------|------------|-----------------------------|------|-------|------|------------|------------------------|------|-------|------|------------|------------|
|  | Left                        | Thru | Right | Peds | App. Total | Left                   | Thru | Right | Peds | App. Total | Left                        | Thru | Right | Peds | App. Total | Left                   | Thru | Right | Peds | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                             |      |       |      |            |                        |      |       |      |            |                             |      |       |      |            |                        |      |       |      |            |            |
| Peak Hour for Entire Intersection Begins at 07:00 AM       |                             |      |       |      |            |                        |      |       |      |            |                             |      |       |      |            |                        |      |       |      |            |            |
| 07:00 AM   | 0                           | 1    | 0     | 0    | 1          | 0                      | 0    | 0     | 0    | 0          | 12                          | 0    | 0     | 0    | 12         | 0                      | 0    | 19    | 0    | 19         | 32         |
| 07:15 AM   | 0                           | 1    | 1     | 0    | 2          | 0                      | 0    | 0     | 0    | 0          | 10                          | 0    | 0     | 0    | 10         | 0                      | 0    | 19    | 0    | 19         | 31         |
| 07:30 AM   | 0                           | 0    | 0     | 0    | 0          | 0                      | 0    | 0     | 0    | 0          | 8                           | 0    | 0     | 0    | 8          | 0                      | 0    | 12    | 0    | 12         | 20         |
| 07:45 AM   | 0                           | 1    | 0     | 0    | 1          | 0                      | 0    | 0     | 0    | 0          | 6                           | 0    | 0     | 0    | 6          | 1                      | 0    | 11    | 0    | 12         | 19         |
| Total Volume   | 0                           | 3    | 1     | 0    | 4          | 0                      | 0    | 0     | 0    | 0          | 36                          | 0    | 0     | 0    | 36         | 1                      | 0    | 61    | 0    | 62         | 102        |
| % App. Total   | 0                           | 75   | 25    | 0    |            | 0                      | 0    | 0     | 0    | 0          | 100                         | 0    | 0     | 0    |            | 16                     | 0    | 98.4  | 0    |            |            |
| PHF  | 0.00                        | 0.75 | 0.25  | 0.00 | 0.50       | 0.00                   | 0.00 | 0.00  | 0.00 | 0.00       | 0.75                        | 0.00 | 0.00  | 0.00 | 0.75       | 0.25                   | 0.00 | 0.803 | 0.00 | 0.816      | 0.797      |
| Passenger Vehicles   | 0                           | 3    | 1     | 0    | 4          | 0                      | 0    | 0     | 0    | 0          | 35                          | 0    | 0     | 0    | 35         | 1                      | 0    | 58    | 0    | 59         | 98         |
| * Passenger Vehicles                                       | 0                           | 100  | 100   | 0    | 100        | 0                      | 0    | 0     | 0    | 0          | 97.2                        | 0    | 0     | 0    | 97.2       | 100                    | 0    | 95.1  | 0    | 95.2       | 96.1       |
| Heavy Vehicles   | 0                           | 0    | 0     | 0    | 0          | 0                      | 0    | 0     | 0    | 0          | 0                           | 0    | 0     | 0    | 0          | 0                      | 0    | 1.6   | 0    | 1.6        | 1.0        |
| % Heavy Vehicles   | 0                           | 0    | 0     | 0    | 0          | 0                      | 0    | 0     | 0    | 0          | 0                           | 0    | 0     | 0    | 0          | 0                      | 0    | 2.6   | 0    | 2.6        | 1.0        |
| Buses  | 0                           | 0    | 0     | 0    | 0          | 0                      | 0    | 0     | 0    | 0          | 1                           | 0    | 0     | 0    | 1          | 0                      | 0    | 2     | 0    | 2          | 3          |
| % Buses  | 0                           | 0    | 0     | 0    | 0          | 0                      | 0    | 0     | 0    | 0          | 2.8                         | 0    | 0     | 0    | 2.8        | 0                      | 0    | 3.3   | 0    | 3.2        | 2.9        |



# Short Counts

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 Site Code :  
 Start Date : 5/10/2022  
 Page No : 4

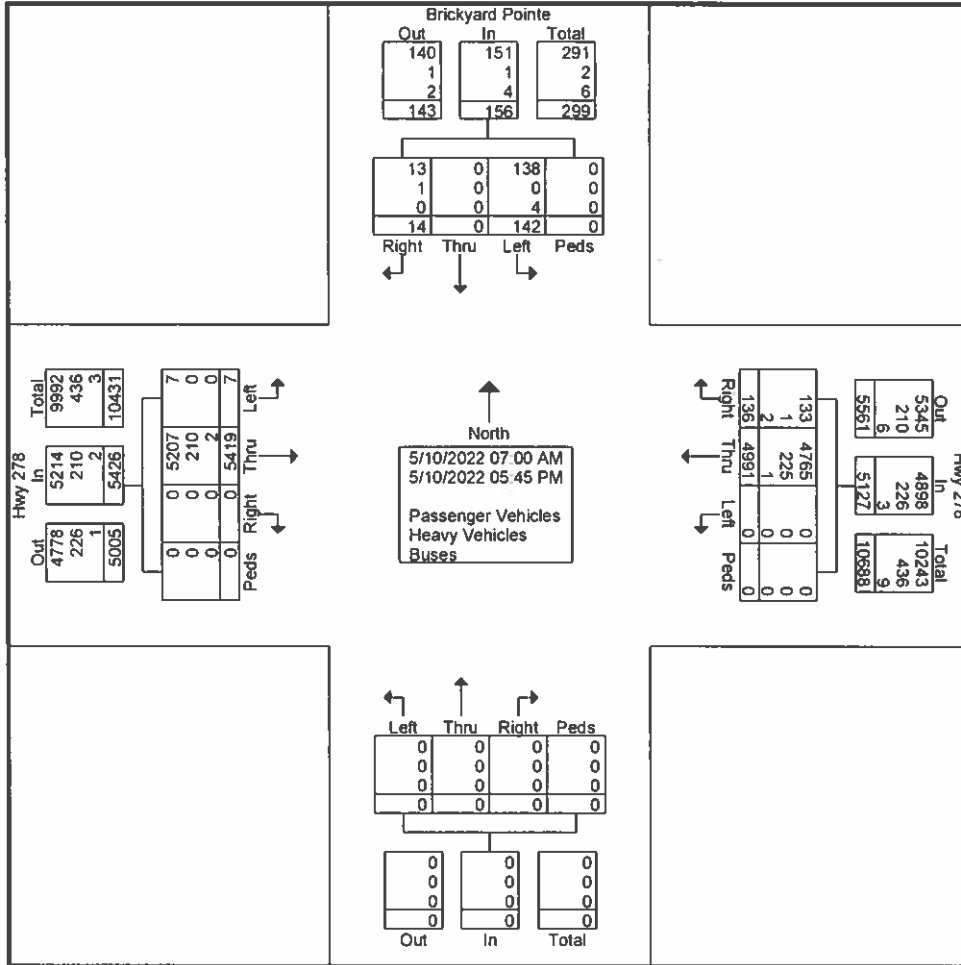
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|--|-----------------------------|------|-------|------|------------|------------------------|------|-------|------|------------|-----------------------------|------|-------|------|------------|------------------------|------|-------|------|------------|------------|
|  | Left                        | Thru | Right | Peds | App. Total | Left                   | Thru | Right | Peds | App. Total | Left                        | Thru | Right | Peds | App. Total | Left                   | Thru | Right | Peds | App. Total |            |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                             |      |       |      |            |                        |      |       |      |            |                             |      |       |      |            |                        |      |       |      |            |            |
| Peak Hour for Entire Intersection Begins at 04:45 PM       |                             |      |       |      |            |                        |      |       |      |            |                             |      |       |      |            |                        |      |       |      |            |            |
| 04:45 PM   | 0                           | 0    | 0     | 0    | 0          | 2                      | 1    | 0     | 0    | 3          | 16                          | 1    | 1     | 0    | 18         | 0                      | 1    | 9     | 0    | 10         | 31         |
| 05:00 PM   | 0                           | 0    | 0     | 0    | 0          | 0                      | 0    | 0     | 0    | 0          | 14                          | 1    | 0     | 0    | 15         | 0                      | 1    | 3     | 0    | 4          | 19         |
| 05:15 PM   | 0                           | 1    | 0     | 0    | 1          | 0                      | 0    | 0     | 0    | 0          | 13                          | 1    | 0     | 0    | 14         | 0                      | 0    | 8     | 0    | 8          | 23         |
| 05:30 PM   | 0                           | 0    | 0     | 0    | 0          | 1                      | 1    | 0     | 0    | 2          | 9                           | 0    | 2     | 0    | 11         | 0                      | 0    | 7     | 0    | 7          | 20         |
| Total Volume   | 0                           | 1    | 0     | 0    | 1          | 3                      | 2    | 0     | 0    | 5          | 52                          | 3    | 3     | 0    | 58         | 0                      | 2    | 27    | 0    | 29         | 93         |
| % App. Total   | 0                           | 100  | 0     | 0    | 0          | 60                     | 40   | 0     | 0    | 0          | 89.7                        | 5.2  | 5.2   | 0    | 100        | 0                      | 6.9  | 93.1  | 0    | 100        |            |
| PHF  | .000                        | .250 | .000  | .000 | .250       | .375                   | .500 | .000  | .000 | .417       | .813                        | .750 | .375  | .000 | .806       | .000                   | .500 | .750  | .000 | .725       | .750       |
| Passenger Vehicles   | 0                           | 1    | 0     | 0    | 1          | 3                      | 2    | 0     | 0    | 5          | 52                          | 3    | 3     | 0    | 58         | 0                      | 2    | 27    | 0    | 29         | 93         |
| * Passenger Vehicles                                       | 0                           | 100  | 0     | 0    | 100        | 100                    | 100  | 0     | 0    | 100        | 100                         | 100  | 100   | 0    | 100        | 0                      | 100  | 100   | 0    | 100        | 100        |
| Heavy Vehicles   | 0                           | 0    | 0     | 0    | 0          | 0                      | 0    | 0     | 0    | 0          | 0                           | 0    | 0     | 0    | 0          | 0                      | 0    | 0     | 0    | 0          | 0          |
| % Heavy Vehicles   | 0                           | 0    | 0     | 0    | 0          | 0                      | 0    | 0     | 0    | 0          | 0                           | 0    | 0     | 0    | 0          | 0                      | 0    | 0     | 0    | 0          | 0          |
| Buses  | 0                           | 0    | 0     | 0    | 0          | 0                      | 0    | 0     | 0    | 0          | 0                           | 0    | 0     | 0    | 0          | 0                      | 0    | 0     | 0    | 0          | 0          |
| % Buses  | 0                           | 0    | 0     | 0    | 0          | 0                      | 0    | 0     | 0    | 0          | 0                           | 0    | 0     | 0    | 0          | 0                      | 0    | 0     | 0    | 0          | 0          |





# Short Counts

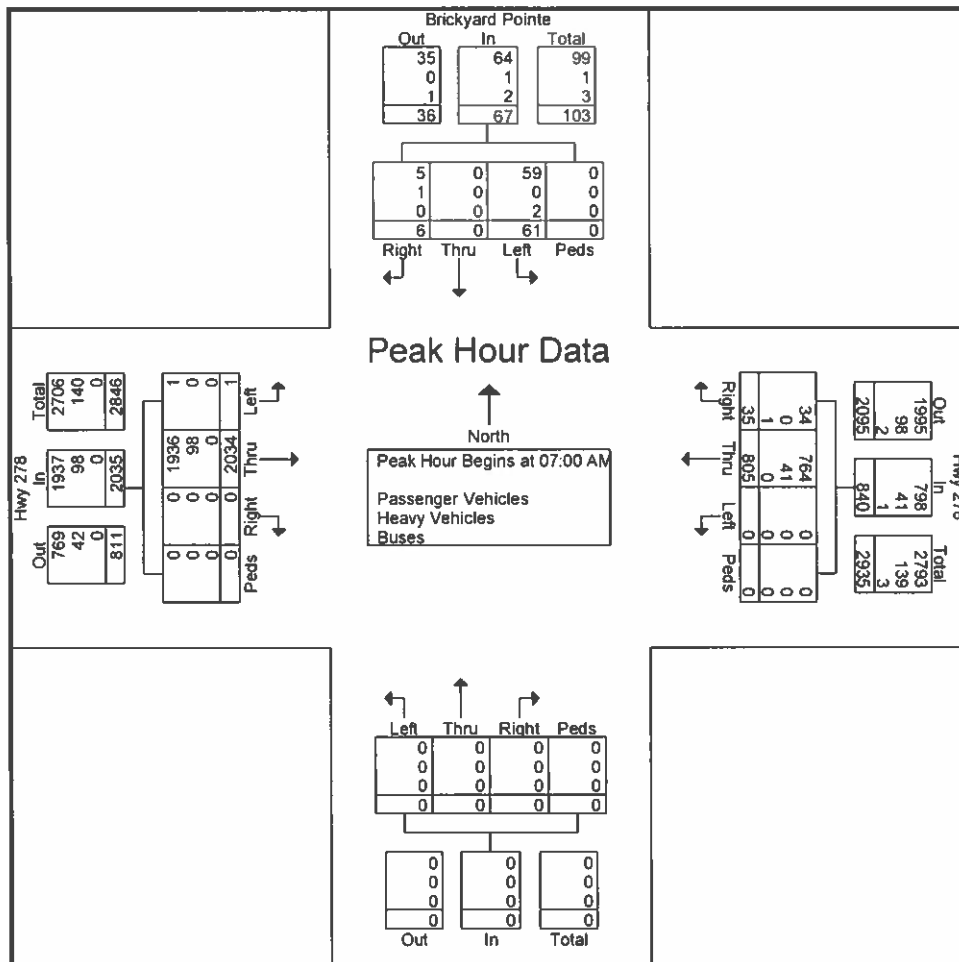
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 Start Date : 5/10/2022  
 Page No : 2



# Short Counts

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 Start Date : 5/10/2022  
 Page No : 3

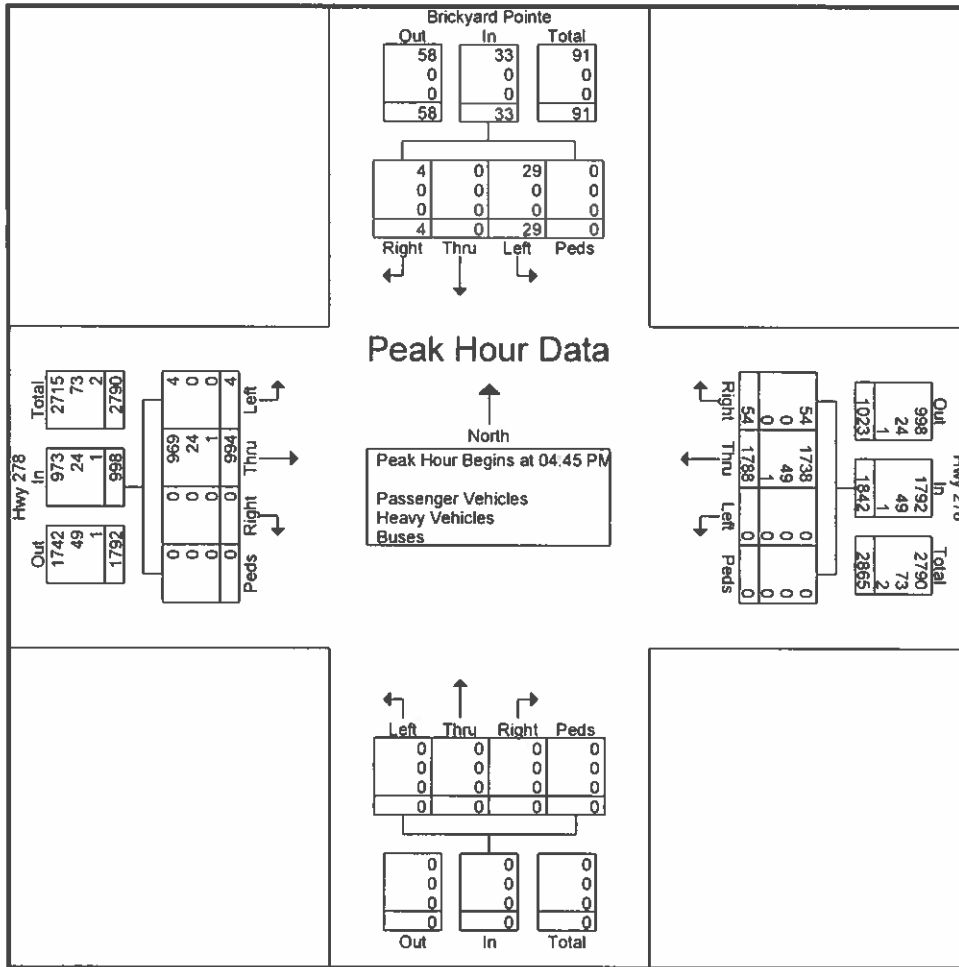
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|--|-----------------------------|------|-------|------|------------|-------------------|------|-------|------|------------|------------|------|-------|------|------------|-------------------|------|-------|------|------------|------------|
|  | Left                        | Thru | Right | Peds | App. Total | Left              | Thru | Right | Peds | App. Total | Left       | Thru | Right | Peds | App. Total | Left              | Thru | Right | Peds | App. Total |            |
| Peak Hour Analysis From 07:00 AM to 08:45 AM - Peak 1 of 1 |                             |      |       |      |            |                   |      |       |      |            |            |      |       |      |            |                   |      |       |      |            |            |
| Peak Hour for Entire Intersection Begins at 07:00 AM       |                             |      |       |      |            |                   |      |       |      |            |            |      |       |      |            |                   |      |       |      |            |            |
| 07:00 AM   | 17                          | 0    | 2     | 0    | 19         | 0                 | 176  | 10    | 0    | 186        | 0          | 0    | 0     | 0    | 0          | 0                 | 468  | 0     | 0    | 468        | 673        |
| 07:15 AM   | 20                          | 0    | 2     | 0    | 22         | 0                 | 191  | 11    | 0    | 202        | 0          | 0    | 0     | 0    | 0          | 0                 | 523  | 0     | 0    | 523        | 747        |
| 07:30 AM   | 12                          | 0    | 2     | 0    | 14         | 0                 | 231  | 8     | 0    | 239        | 0          | 0    | 0     | 0    | 0          | 0                 | 547  | 0     | 0    | 547        | 800        |
| 07:45 AM   | 12                          | 0    | 0     | 0    | 12         | 0                 | 207  | 6     | 0    | 213        | 0          | 0    | 0     | 0    | 0          | 1                 | 496  | 0     | 0    | 497        | 722        |
| Total Volume   | 61                          | 0    | 6     | 0    | 67         | 0                 | 805  | 35    | 0    | 840        | 0          | 0    | 0     | 0    | 0          | 1                 | 2034 | 0     | 0    | 2035       | 2942       |
| % App. Total   | 91                          | 0    | 9     | 0    |            | 0                 | 95.8 | 4.2   | 0    |            | 0          | 0    | 0     | 0    | 0          | 0                 | 100  | 0     | 0    |            | 95.1       |
| PIIF   | 763                         | 000  | 750   | 000  | 761        | 000               | 871  | 795   | 000  | 879        | 000        | 000  | 000   | 000  | 000        | 250               | 930  | 000   | 000  | 930        | 919        |
| Passenger Vehicles   | 59                          | 0    | 5     | 0    | 64         | 0                 | 764  | 34    | 0    | 798        | 0          | 0    | 0     | 0    | 0          | 1                 | 1936 | 0     | 0    | 1937       | 2799       |
| % Passenger Vehicles                                       | 97                          | 0    | 83.3  | 0    | 95.5       | 0                 | 94.9 | 97.1  | 0    | 95.1       | 0          | 0    | 0     | 0    | 0          | 100               | 95.2 | 0     | 0    | 95.2       | 95.1       |
| Heavy Vehicles   | 0                           | 0    | 16.7  | 0    | 15         | 0                 | 5.1  | 0     | 0    | 4.9        | 0          | 0    | 0     | 0    | 0          | 0                 | 4.8  | 0     | 0    | 4.8        | 4.8        |
| Buses  | 2                           | 0    | 0     | 0    | 2          | 0                 | 0    | 1     | 0    | 1          | 0          | 0    | 0     | 0    | 0          | 0                 | 0    | 0     | 0    | 0          | 3          |
| % Buses  | 3.3                         | 0    | 0     | 0    | 3.0        | 0                 | 0    | 2.9   | 0    | 0.1        | 0          | 0    | 0     | 0    | 0          | 0                 | 0    | 0     | 0    | 0          | 0.1        |



# Short Counts

File Name : Brickyard Pointe @ Hwy 278  
 Site Code :  
 Start Date : 5/10/2022  
 Page No : 4

| Start Time   | Brickyard Pointe From North |      |       |      |           | Hwy 278 From East |      |       |      |           | From South |      |       |      |           | Hwy 278 From West |      |       |      |           | Int Total |
|--|-----------------------------|------|-------|------|-----------|-------------------|------|-------|------|-----------|------------|------|-------|------|-----------|-------------------|------|-------|------|-----------|-----------|
|  | Left                        | Thru | Right | Peds | App Total | Left              | Thru | Right | Peds | App Total | Left       | Thru | Right | Peds | App Total | Left              | Thru | Right | Peds | App Total |           |
| Peak Hour Analysis From 04:00 PM to 05:45 PM - Peak 1 of 1 |                             |      |       |      |           |                   |      |       |      |           |            |      |       |      |           |                   |      |       |      |           |           |
| Peak Hour for Entire Intersection Begins at 04:45 PM       |                             |      |       |      |           |                   |      |       |      |           |            |      |       |      |           |                   |      |       |      |           |           |
| 04:45 PM   | 11                          | 0    | 0     | 0    | 11        | 0                 | 401  | 18    | 0    | 419       | 0          | 0    | 0     | 0    | 0         | 2                 | 241  | 0     | 0    | 243       | 673       |
| 05:00 PM   | 5                           | 0    | 0     | 0    | 5         | 0                 | 457  | 13    | 0    | 470       | 0          | 0    | 0     | 0    | 0         | 0                 | 241  | 0     | 0    | 241       | 716       |
| 05:15 PM   | 7                           | 0    | 2     | 0    | 9         | 0                 | 481  | 13    | 0    | 494       | 0          | 0    | 0     | 0    | 0         | 1                 | 252  | 0     | 0    | 253       | 756       |
| 05:30 PM   | 6                           | 0    | 2     | 0    | 8         | 0                 | 449  | 10    | 0    | 459       | 0          | 0    | 0     | 0    | 0         | 1                 | 260  | 0     | 0    | 261       | 728       |
| Total Volume   | 29                          | 0    | 4     | 0    | 33        | 0                 | 1788 | 54    | 0    | 1842      | 0          | 0    | 0     | 0    | 0         | 4                 | 994  | 0     | 0    | 998       | 2873      |
| % App Total  |                             |      |       |      |           |                   |      |       |      |           |            |      |       |      |           |                   |      |       |      |           |           |
| PHF  | 659                         | 000  | 500   | 000  | 750       | 000               | 929  | 750   | 000  | 932       | 000        | 000  | 000   | 000  | 000       | 500               | 956  | 000   | 000  | 956       | 950       |
| Passenger Vehicles   | 29                          | 0    | 4     | 0    | 33        | 0                 | 1738 | 54    | 0    | 1792      | 0          | 0    | 0     | 0    | 0         | 4                 | 969  | 0     | 0    | 973       | 2798      |
| % Passenger Vehicles                                       | 100                         | 0    | 100   | 0    | 100       | 0                 | 97.2 | 100   | 0    | 97.3      | 0          | 0    | 0     | 0    | 0         | 100               | 97.5 | 0     | 0    | 97.5      | 97.4      |
| Heavy Vehicles   | 0                           | 0    | 0     | 0    | 0         | 0                 | 2.7  | 0     | 0    | 2.7       | 0          | 0    | 0     | 0    | 0         | 0                 | 2.4  | 0     | 0    | 2.4       | 2.5       |
| % Heavy Vehicles   | 0                           | 0    | 0     | 0    | 0         | 0                 | 1    | 0     | 0    | 1         | 0          | 0    | 0     | 0    | 0         | 0                 | 1    | 0     | 0    | 1         | 2         |
| Buses  | 0                           | 0    | 0     | 0    | 0         | 0                 | 0.1  | 0     | 0    | 0.1       | 0          | 0    | 0     | 0    | 0         | 0                 | 0.1  | 0     | 0    | 0.1       | 0.1       |
| % Buses  | 0                           | 0    | 0     | 0    | 0         | 0                 | 0.1  | 0     | 0    | 0.1       | 0          | 0    | 0     | 0    | 0         | 0                 | 0.1  | 0     | 0    | 0.1       | 0.1       |



**INTERSECTION VOLUME DEVELOPMENT**  
**278 Residential Development**  
**US 278 at Brickyard Road**  
**AM PEAK HOUR (7:00 AM TO 8:00 AM)**

| Description                       | Northbound |          |          | Brickyard Road Southbound |          |           | US 278 Eastbound |              |          | US 278 Westbound |            |           |
|-----------------------------------|------------|----------|----------|---------------------------|----------|-----------|------------------|--------------|----------|------------------|------------|-----------|
|                                   | Left       | Through  | Right    | Left                      | Through  | Right     | Left             | Through      | Right    | Left             | Through    | Right     |
| Existing 2022 AM Volumes          |            |          |          | 61                        | 0        | 6         | 1                | 2,034        | 0        | 0                | 805        | 35        |
| Pedestrians                       |            |          |          | 0                         |          |           | 0                |              |          | 0                |            |           |
| Heavy Vehicle %                   |            |          |          | 4.5%                      |          |           | 4.8%             |              |          | 5.0%             |            |           |
| Peak Hour Factor                  |            |          |          | 0.76                      |          |           | 0.93             |              |          | 0.88             |            |           |
| Annual Growth Rate                | 2.0%       | 2.0%     | 2.0%     | 2.0%                      | 2.0%     | 2.0%      | 2.0%             | 2.0%         | 2.0%     | 2.0%             | 2.0%       | 2.0%      |
| Growth Factor                     | 1.061      | 1.061    | 1.061    | 1.061                     | 1.061    | 1.061     | 1.061            | 1.061        | 1.061    | 1.061            | 1.061      | 1.061     |
| Adjacent Site Development Traffic | 0          | 0        | 0        | 0                         | 0        | 0         | 0                | 0            | 0        | 0                | 0          | 0         |
| 2025 Background Traffic           | 0          | 0        | 0        | 65                        | 0        | 6         | 1                | 2,158        | 0        | 0                | 854        | 37        |
| <b>Trip Distribution</b>          |            |          |          |                           |          |           |                  |              |          |                  |            |           |
| New Trips IN                      |            |          |          |                           |          |           | 15%              | 30%          |          |                  |            | 5%        |
| New Trips OUT                     |            |          |          | 5%                        |          | 15%       |                  |              |          |                  | 30%        |           |
| <b>Pass By Distribution</b>       |            |          |          |                           |          |           |                  |              |          |                  |            |           |
| Pass By IN                        |            |          |          |                           |          |           |                  |              |          |                  |            |           |
| Pass By OUT                       |            |          |          |                           |          |           |                  |              |          |                  |            |           |
| New Trips                         | 0          | 0        | 0        | 7                         | 0        | 19        | 7                | 13           | 0        | 0                | 39         | 2         |
| Pass By Trips                     | 0          | 0        | 0        | 0                         | 0        | 0         | 0                | 0            | 0        | 0                | 0          | 0         |
| Total Project Trips               | 0          | 0        | 0        | 7                         | 0        | 19        | 7                | 13           | 0        | 0                | 39         | 2         |
| <b>2025 Buildout Total</b>        | <b>0</b>   | <b>0</b> | <b>0</b> | <b>72</b>                 | <b>0</b> | <b>25</b> | <b>8</b>         | <b>2,171</b> | <b>0</b> | <b>0</b>         | <b>893</b> | <b>39</b> |

**PM PEAK HOUR (4:45 PM TO 5:45 PM)**

| Description                       | Northbound |          |          | Brickyard Road Southbound |          |           | US 278 Eastbound |              |          | US 278 Westbound |              |           |
|-----------------------------------|------------|----------|----------|---------------------------|----------|-----------|------------------|--------------|----------|------------------|--------------|-----------|
|                                   | Left       | Through  | Right    | Left                      | Through  | Right     | Left             | Through      | Right    | Left             | Through      | Right     |
| Existing 2022 PM Volumes          |            |          |          | 29                        | 0        | 4         | 4                | 994          | 0        | 0                | 1,788        | 54        |
| Pedestrians                       |            |          |          | 0                         |          |           | 0                |              |          | 0                |              |           |
| Heavy Vehicle %                   |            |          |          | 0% (2.0%)                 |          |           | 2.5%             |              |          | 2.8%             |              |           |
| Peak Hour Factor                  |            |          |          | 0.75                      |          |           | 0.96 (0.95)      |              |          | 0.93             |              |           |
| Annual Growth Rate                | 2.0%       | 2.0%     | 2.0%     | 2.0%                      | 2.0%     | 2.0%      | 2.0%             | 2.0%         | 2.0%     | 2.0%             | 2.0%         | 2.0%      |
| Growth Factor                     | 1.061      | 1.061    | 1.061    | 1.061                     | 1.061    | 1.061     | 1.061            | 1.061        | 1.061    | 1.061            | 1.061        | 1.061     |
| Adjacent Site Development Traffic | 0          | 0        | 0        | 0                         | 0        | 0         | 0                | 0            | 0        | 0                | 0            | 0         |
| 2025 Background Traffic           | 0          | 0        | 0        | 31                        | 0        | 4         | 4                | 1,055        | 0        | 0                | 1,897        | 57        |
| <b>Trip Distribution</b>          |            |          |          |                           |          |           |                  |              |          |                  |              |           |
| New Trips IN                      |            |          |          |                           |          |           | 15%              | 30%          |          |                  |              | 5%        |
| New Trips OUT                     |            |          |          | 5%                        |          | 15%       |                  |              |          |                  | 30%          |           |
| <b>Pass By Distribution</b>       |            |          |          |                           |          |           |                  |              |          |                  |              |           |
| Pass By IN                        |            |          |          |                           |          |           |                  |              |          |                  |              |           |
| Pass By OUT                       |            |          |          |                           |          |           |                  |              |          |                  |              |           |
| New Trips                         | 0          | 0        | 0        | 4                         | 0        | 13        | 21               | 43           | 0        | 0                | 25           | 7         |
| Pass By Trips                     | 0          | 0        | 0        | 0                         | 0        | 0         | 0                | 0            | 0        | 0                | 0            | 0         |
| Total Project Trips               | 0          | 0        | 0        | 4                         | 0        | 13        | 21               | 43           | 0        | 0                | 25           | 7         |
| <b>2025 Buildout Total</b>        | <b>0</b>   | <b>0</b> | <b>0</b> | <b>35</b>                 | <b>0</b> | <b>17</b> | <b>25</b>        | <b>1,098</b> | <b>0</b> | <b>0</b>         | <b>1,922</b> | <b>64</b> |



**INTERSECTION VOLUME DEVELOPMENT**

**278 Residential Development  
Brickyard Road at Brickyard Point  
AM PEAK HOUR (7:00 AM TO 8:00 AM)**

| Description                       | Brickyard Road Northbound |           |          | Brickyard Road Southbound |           |          | Eastbound |           |          | Brickyard Point Westbound |           |          |
|-----------------------------------|---------------------------|-----------|----------|---------------------------|-----------|----------|-----------|-----------|----------|---------------------------|-----------|----------|
|                                   | Left                      | Through   | Right    | Left                      | Through   | Right    | Left      | Through   | Right    | Left                      | Through   | Right    |
| Existing 2022 AM Volumes          |                           | 36        | 0        | 1                         | 61        | 0        | 0         | 0         | 0        | 3                         | 0         | 1        |
| Pedestrians                       |                           | 0         |          |                           | 0         |          |           | 0         |          |                           | 0         |          |
| Heavy Vehicle %                   |                           | 2.8%      |          |                           | 4.8%      |          |           | 0% (2.0%) |          |                           | 0% (2.0%) |          |
| Peak Hour Factor                  |                           | 0.75      |          |                           | 0.82      |          |           | 0 (0.50)  |          |                           | 0.50      |          |
| Annual Growth Rate                | 2.0%                      | 2.0%      | 2.0%     | 2.0%                      | 2.0%      | 2.0%     | 2.0%      | 2.0%      | 2.0%     | 2.0%                      | 2.0%      | 2.0%     |
| Growth Factor                     | 1.061                     | 1.061     | 1.061    | 1.061                     | 1.061     | 1.061    | 1.061     | 1.061     | 1.061    | 1.061                     | 1.061     | 1.061    |
| Adjacent Site Development Traffic | 0                         | 0         | 0        | 0                         | 0         | 0        | 0         | 0         | 0        | 0                         | 0         | 0        |
| 2025 Background Traffic           | 0                         | 38        | 0        | 1                         | 65        | 0        | 0         | 0         | 0        | 3                         | 0         | 1        |
| <b>Trip Distribution</b>          |                           |           |          |                           |           |          |           |           |          |                           |           |          |
| New Trips IN                      |                           |           | 20%      |                           |           |          |           |           |          |                           |           |          |
| New Trips OUT                     |                           |           |          |                           |           |          |           |           |          | 20%                       |           |          |
| Pass By Distribution              |                           |           |          |                           |           |          |           |           |          |                           |           |          |
| Pass By IN                        |                           |           |          |                           |           |          |           |           |          |                           |           |          |
| Pass By OUT                       |                           |           |          |                           |           |          |           |           |          |                           |           |          |
| New Trips                         | 0                         | 0         | 9        | 0                         | 0         | 0        | 0         | 0         | 0        | 26                        | 0         | 0        |
| Pass By Trips                     | 0                         | 0         | 0        | 0                         | 0         | 0        | 0         | 0         | 0        | 0                         | 0         | 0        |
| Total Project Trips               | 0                         | 0         | 9        | 0                         | 0         | 0        | 0         | 0         | 0        | 26                        | 0         | 0        |
| <b>2025 Buildout Total</b>        | <b>0</b>                  | <b>38</b> | <b>9</b> | <b>1</b>                  | <b>65</b> | <b>0</b> | <b>0</b>  | <b>0</b>  | <b>0</b> | <b>29</b>                 | <b>0</b>  | <b>1</b> |

\*Count data adjusted to match stop control conditions

**PM PEAK HOUR (4:45 PM TO 5:45 PM)**

| Description                       | Brickyard Road Northbound |           |           | Brickyard Road Southbound |           |          | Eastbound |           |          | Brickyard Point Westbound |           |          |
|-----------------------------------|---------------------------|-----------|-----------|---------------------------|-----------|----------|-----------|-----------|----------|---------------------------|-----------|----------|
|                                   | Left                      | Through   | Right     | Left                      | Through   | Right    | Left      | Through   | Right    | Left                      | Through   | Right    |
| Existing 2022 PM Volumes          | 0                         | 52        | 6         | 2                         | 27        | 0        | 0         | 0         | 0        | 4                         | 0         | 2        |
| Pedestrians                       |                           | 0         |           |                           | 0         |          |           | 0         |          |                           | 0         |          |
| Heavy Vehicle %                   |                           | 0% (2.0%) |           |                           | 0% (2.0%) |          |           | 0% (2.0%) |          |                           | 0% (2.0%) |          |
| Peak Hour Factor                  |                           | 0.81      |           |                           | 0.73      |          |           | 0.00      |          |                           | 0.50      |          |
| Annual Growth Rate                | 2.0%                      | 2.0%      | 2.0%      | 2.0%                      | 2.0%      | 2.0%     | 2.0%      | 2.0%      | 2.0%     | 2.0%                      | 2.0%      | 2.0%     |
| Growth Factor                     | 1.061                     | 1.061     | 1.061     | 1.061                     | 1.061     | 1.061    | 1.061     | 1.061     | 1.061    | 1.061                     | 1.061     | 1.061    |
| Adjacent Site Development Traffic | 0                         | 0         | 0         | 0                         | 0         | 0        | 0         | 0         | 0        | 0                         | 0         | 0        |
| 2025 Background Traffic           | 0                         | 55        | 6         | 2                         | 29        | 0        | 0         | 0         | 0        | 4                         | 0         | 2        |
| <b>Trip Distribution</b>          |                           |           |           |                           |           |          |           |           |          |                           |           |          |
| New Trips IN                      |                           |           | 20%       |                           |           |          |           |           |          |                           |           |          |
| New Trips OUT                     |                           |           |           |                           |           |          |           |           |          | 20%                       |           |          |
| Pass By Distribution              |                           |           |           |                           |           |          |           |           |          |                           |           |          |
| Pass By IN                        |                           |           |           |                           |           |          |           |           |          |                           |           |          |
| Pass By OUT                       |                           |           |           |                           |           |          |           |           |          |                           |           |          |
| New Trips                         | 0                         | 0         | 28        | 0                         | 0         | 0        | 0         | 0         | 0        | 17                        | 0         | 0        |
| Pass By Trips                     | 0                         | 0         | 0         | 0                         | 0         | 0        | 0         | 0         | 0        | 0                         | 0         | 0        |
| Total Project Trips               | 0                         | 0         | 28        | 0                         | 0         | 0        | 0         | 0         | 0        | 17                        | 0         | 0        |
| <b>2025 Buildout Total</b>        | <b>0</b>                  | <b>55</b> | <b>34</b> | <b>2</b>                  | <b>29</b> | <b>0</b> | <b>0</b>  | <b>0</b>  | <b>0</b> | <b>21</b>                 | <b>0</b>  | <b>2</b> |

\\10.1.10.2\share\project files\316001\_22 278 residential\link (version 1) \x\b\brickyard point @ brickyard rd

6/21/2022 21:18

\*Count data adjusted to match stop control conditions

**INTERSECTION VOLUME DEVELOPMENT**  
**278 Residential Development**  
**US 278 at Site Access #1**  
**AM PEAK HOUR (7:00 AM TO 8:00 AM)**

| Description                       | Northbound |          |          | Site Access #1 Southbound |          |           | US 278 Eastbound |              |          | US 278 Westbound |            |           |
|-----------------------------------|------------|----------|----------|---------------------------|----------|-----------|------------------|--------------|----------|------------------|------------|-----------|
|                                   | Left       | Through  | Right    | Left                      | Through  | Right     | Left             | Through      | Right    | Left             | Through    | Right     |
| Existing 2022 AM Volumes          |            |          |          |                           |          |           |                  | 2,095        |          |                  | 840        |           |
| Pedestrians                       |            |          |          |                           |          |           |                  |              |          |                  |            |           |
| Heavy Vehicle %                   |            |          |          |                           |          |           |                  | 4.8%         |          |                  | 5.0%       |           |
| Peak Hour Factor                  |            |          |          |                           |          |           |                  | 0.94         |          |                  | 0.88       |           |
| Annual Growth Rate                | 2.0%       | 2.0%     | 2.0%     | 2.0%                      | 2.0%     | 2.0%      | 2.0%             | 2.0%         | 2.0%     | 2.0%             | 2.0%       | 2.0%      |
| Growth Factor                     | 1.061      | 1.061    | 1.061    | 1.061                     | 1.061    | 1.061     | 1.061            | 1.061        | 1.061    | 1.061            | 1.061      | 1.061     |
| Adjacent Site Development Traffic | 0          | 0        | 0        | 0                         | 0        | 0         | 0                | 0            | 0        | 0                | 0          | 0         |
| 2025 Background Traffic           | 0          | 0        | 0        | 0                         | 0        | 0         | 0                | 2,223        | 0        | 0                | 891        | 0         |
| <b>Trip Distribution</b>          |            |          |          |                           |          |           |                  |              |          |                  |            |           |
| New Trips IN                      |            |          |          |                           |          |           |                  |              |          |                  | 25%        | 30%       |
| New Trips OUT                     |            |          |          |                           |          | 10%       |                  | 55%          |          |                  |            |           |
| <b>Pass By Distribution</b>       |            |          |          |                           |          |           |                  |              |          |                  |            |           |
| Pass By IN                        |            |          |          |                           |          |           |                  |              |          |                  |            |           |
| Pass By OUT                       |            |          |          |                           |          |           |                  |              |          |                  |            |           |
| New Trips                         | 0          | 0        | 0        | 0                         | 0        | 13        | 0                | 73           | 0        | 0                | 11         | 13        |
| Pass By Trips                     | 0          | 0        | 0        | 0                         | 0        | 0         | 0                | 0            | 0        | 0                | 0          | 0         |
| Total Project Trips               | 0          | 0        | 0        | 0                         | 0        | 13        | 0                | 73           | 0        | 0                | 11         | 13        |
| <b>2025 Buildout Total</b>        | <b>0</b>   | <b>0</b> | <b>0</b> | <b>0</b>                  | <b>0</b> | <b>13</b> | <b>0</b>         | <b>2,296</b> | <b>0</b> | <b>0</b>         | <b>902</b> | <b>13</b> |

**PM PEAK HOUR (4:45 PM TO 5:45 PM)**

| Description                       | Northbound |          |          | Site Access #1 Southbound |          |          | US 278 Eastbound |              |          | US 278 Westbound |              |           |
|-----------------------------------|------------|----------|----------|---------------------------|----------|----------|------------------|--------------|----------|------------------|--------------|-----------|
|                                   | Left       | Through  | Right    | Left                      | Through  | Right    | Left             | Through      | Right    | Left             | Through      | Right     |
| Existing 2022 PM Volumes          |            |          |          |                           |          |          |                  | 1,023        |          |                  | 1,842        |           |
| Pedestrians                       |            |          |          |                           |          |          |                  |              |          |                  |              |           |
| Heavy Vehicle %                   |            |          |          |                           |          |          |                  | 2.4%         |          |                  | 2.7%         |           |
| Peak Hour Factor                  |            |          |          |                           |          |          |                  | 0.96 (0.95)  |          |                  | 0.93         |           |
| Annual Growth Rate                | 2.0%       | 2.0%     | 2.0%     | 2.0%                      | 2.0%     | 2.0%     | 2.0%             | 2.0%         | 2.0%     | 2.0%             | 2.0%         | 0.9%      |
| Growth Factor                     | 1.061      | 1.061    | 1.061    | 1.061                     | 1.061    | 1.061    | 1.061            | 1.061        | 1.061    | 1.061            | 1.061        | 1.028     |
| Adjacent Site Development Traffic | 0          | 0        | 0        | 0                         | 0        | 0        | 0                | 0            | 0        | 0                | 0            | 0         |
| 2025 Background Traffic           | 0          | 0        | 0        | 0                         | 0        | 0        | 0                | 1,086        | 0        | 0                | 1,955        | 0         |
| <b>Trip Distribution</b>          |            |          |          |                           |          |          |                  |              |          |                  |              |           |
| New Trips IN                      |            |          |          |                           |          |          |                  |              |          |                  | 25%          | 30%       |
| New Trips OUT                     |            |          |          |                           |          | 10%      |                  | 55%          |          |                  |              |           |
| <b>Pass By Distribution</b>       |            |          |          |                           |          |          |                  |              |          |                  |              |           |
| Pass By IN                        |            |          |          |                           |          |          |                  |              |          |                  |              |           |
| Pass By OUT                       |            |          |          |                           |          |          |                  |              |          |                  |              |           |
| New Trips                         | 0          | 0        | 0        | 0                         | 0        | 9        | 0                | 47           | 0        | 0                | 36           | 43        |
| Pass By Trips                     | 0          | 0        | 0        | 0                         | 0        | 0        | 0                | 0            | 0        | 0                | 0            | 0         |
| Total Project Trips               | 0          | 0        | 0        | 0                         | 0        | 9        | 0                | 47           | 0        | 0                | 36           | 43        |
| <b>2025 Buildout Total</b>        | <b>0</b>   | <b>0</b> | <b>0</b> | <b>0</b>                  | <b>0</b> | <b>9</b> | <b>0</b>         | <b>1,133</b> | <b>0</b> | <b>0</b>         | <b>1,991</b> | <b>43</b> |

**INTERSECTION VOLUME DEVELOPMENT**  
**278 Residential Development**  
**US 278 at Site Access #2**  
**AM PEAK HOUR (7:00 AM TO 8:00 AM)**

| Description                       | <u>Northbound</u> |          |          | <u>Site Access #2 Southbound</u> |          |           | <u>US 278 Eastbound</u> |              |          | <u>US 278 Westbound</u> |            |          |
|-----------------------------------|-------------------|----------|----------|----------------------------------|----------|-----------|-------------------------|--------------|----------|-------------------------|------------|----------|
|                                   | Left              | Through  | U-Turns  | Left                             | Through  | U-Turns   | Left                    | Through      | Right    | Left                    | Through    | Right    |
| Existing 2022 AM Volumes          |                   |          |          |                                  |          |           |                         | 2,095        |          |                         | 840        |          |
| Pedestrians                       |                   |          |          |                                  |          |           |                         |              |          |                         |            |          |
| Heavy Vehicle %                   |                   |          |          |                                  |          |           |                         | 4.8%         |          |                         | 5.0%       |          |
| Peak Hour Factor                  |                   |          |          |                                  |          |           |                         | 0.94         |          |                         | 0.88       |          |
| Annual Growth Rate                | 2.0%              | 2.0%     | 2.0%     | 2.0%                             | 2.0%     | 2.0%      | 2.0%                    | 2.0%         | 2.0%     | 2.0%                    | 2.0%       | 2.0%     |
| Growth Factor                     | 1.061             | 1.061    | 1.061    | 1.061                            | 1.061    | 1.061     | 1.061                   | 1.061        | 1.061    | 1.061                   | 1.061      | 1.061    |
| Adjacent Site Development Traffic | 0                 | 0        | 0        | 0                                | 0        | 0         | 0                       | 0            | 0        | 0                       | 0          | 0        |
| 2025 Background Traffic           | 0                 | 0        | 0        | 0                                | 0        | 0         | 0                       | 2,223        | 0        | 0                       | 891        | 0        |
| <b>Trip Distribution</b>          |                   |          |          |                                  |          |           |                         |              |          |                         |            |          |
| New Trips IN                      |                   |          |          |                                  |          |           | 30%                     |              |          |                         | 5%         | 20%      |
| New Trips OUT                     |                   |          |          | 50%                              |          | 20%       |                         | 5%           |          |                         | 10%        |          |
| Pass By Distribution              |                   |          |          |                                  |          |           |                         |              |          |                         |            |          |
| Pass By IN                        |                   |          |          |                                  |          |           |                         |              |          |                         |            |          |
| Pass By OUT                       |                   |          |          |                                  |          |           |                         |              |          |                         |            |          |
| New Trips                         | 0                 | 0        | 0        | 66                               | 0        | 26        | 13                      | 7            | 0        | 0                       | 15         | 9        |
| Pass By Trips                     | 0                 | 0        | 0        | 0                                | 0        | 0         | 0                       | 0            | 0        | 0                       | 0          | 0        |
| Total Project Trips               | 0                 | 0        | 0        | 66                               | 0        | 26        | 13                      | 7            | 0        | 0                       | 15         | 9        |
| <b>2025 Buildout Total</b>        | <b>0</b>          | <b>0</b> | <b>0</b> | <b>66</b>                        | <b>0</b> | <b>26</b> | <b>13</b>               | <b>2,230</b> | <b>0</b> | <b>0</b>                | <b>906</b> | <b>9</b> |

**PM PEAK HOUR (4:15 PM TO 5:15 PM)**

| Description                       | <u>Northbound</u> |          |          | <u>Site Access #2 Southbound</u> |          |           | <u>US 278 Eastbound</u> |              |          | <u>US 278 Westbound</u> |              |           |
|-----------------------------------|-------------------|----------|----------|----------------------------------|----------|-----------|-------------------------|--------------|----------|-------------------------|--------------|-----------|
|                                   | Left              | Through  | U-Turns  | Left                             | Through  | U-Turns   | Left                    | Through      | Right    | Left                    | Through      | Right     |
| Existing 2022 PM Volumes          |                   |          |          |                                  |          |           |                         | 1,023        |          |                         | 1,842        |           |
| Pedestrians                       |                   |          |          |                                  |          |           |                         |              |          |                         |              |           |
| Heavy Vehicle %                   |                   |          |          |                                  |          |           |                         | 2.4%         |          |                         | 2.7%         |           |
| Peak Hour Factor                  |                   |          |          |                                  |          |           |                         | 0.96 (0.95)  |          |                         | 0.93         |           |
| Annual Growth Rate                | 2.0%              | 2.0%     | 2.0%     | 2.0%                             | 2.0%     | 2.0%      | 2.0%                    | 2.0%         | 2.0%     | 2.0%                    | 2.0%         | 2.0%      |
| Growth Factor                     | 1.061             | 1.061    | 1.061    | 1.061                            | 1.061    | 1.061     | 1.061                   | 1.061        | 1.061    | 1.061                   | 1.061        | 1.061     |
| Adjacent Site Development Traffic | 0                 | 0        | 0        | 0                                | 0        | 0         | 0                       | 0            | 0        | 0                       | 0            | 0         |
| 2025 Background Traffic           | 0                 | 0        | 0        | 0                                | 0        | 0         | 0                       | 1,086        | 0        | 0                       | 1,955        | 0         |
| <b>Trip Distribution</b>          |                   |          |          |                                  |          |           |                         |              |          |                         |              |           |
| New Trips IN                      |                   |          |          |                                  |          |           | 30%                     |              |          |                         | 5%           | 20%       |
| New Trips OUT                     |                   |          |          | 50%                              |          | 20%       |                         | 5%           |          |                         | 10%          |           |
| Pass By Distribution              |                   |          |          |                                  |          |           |                         |              |          |                         |              |           |
| Pass By IN                        |                   |          |          |                                  |          |           |                         |              |          |                         |              |           |
| Pass By OUT                       |                   |          |          |                                  |          |           |                         |              |          |                         |              |           |
| New Trips                         | 0                 | 0        | 0        | 43                               | 0        | 16        | 43                      | 4            | 0        | 0                       | 16           | 29        |
| Pass By Trips                     | 0                 | 0        | 0        | 0                                | 0        | 0         | 0                       | 0            | 0        | 0                       | 0            | 0         |
| Total Project Trips               | 0                 | 0        | 0        | 43                               | 0        | 16        | 43                      | 4            | 0        | 0                       | 16           | 29        |
| <b>2025 Buildout Total</b>        | <b>0</b>          | <b>0</b> | <b>0</b> | <b>43</b>                        | <b>0</b> | <b>16</b> | <b>43</b>               | <b>1,090</b> | <b>0</b> | <b>0</b>                | <b>1,971</b> | <b>29</b> |

| Intersection             |      |      |      |      |      |      |
|--------------------------|------|------|------|------|------|------|
| Int Delay, s/veh         | 0.6  |      |      |      |      |      |
| Movement                 | WBL  | WBR  | NBT  | NBR  | SBL  | SBT  |
| Lane Configurations      | Y    |      | T    |      |      | T    |
| Traffic Vol, veh/h       | 3    | 1    | 36   | 0    | 1    | 61   |
| Future Vol, veh/h        | 3    | 1    | 36   | 0    | 1    | 61   |
| Conflicting Peds, #/hr   | 0    | 0    | 0    | 0    | 0    | 0    |
| Sign Control             | Stop | Stop | Free | Free | Free | Free |
| RT Channelized           | -    | None | -    | None | -    | None |
| Storage Length           | 0    | -    | -    | -    | -    | -    |
| Veh in Median Storage, # | 0    | -    | 0    | -    | -    | 0    |
| Grade, %                 | 0    | -    | 0    | -    | -    | 0    |
| Peak Hour Factor         | 50   | 50   | 75   | 75   | 82   | 82   |
| Heavy Vehicles, %        | 2    | 2    | 3    | 3    | 5    | 5    |
| Mvmt Flow                | 6    | 2    | 48   | 0    | 1    | 74   |

| Major/Minor          | Minor1 | Major1 | Major2 |
|----------------------|--------|--------|--------|
| Conflicting Flow All | 124    | 48     | 0      |
| Stage 1              | 48     | -      | -      |
| Stage 2              | 76     | -      | -      |
| Critical Hdwy        | 6.42   | 6.22   | 4.15   |
| Critical Hdwy Stg 1  | 5.42   | -      | -      |
| Critical Hdwy Stg 2  | 5.42   | -      | -      |
| Follow-up Hdwy       | 3.518  | 3.318  | 2.245  |
| Pot Cap-1 Maneuver   | 871    | 1021   | 1540   |
| Stage 1              | 974    | -      | -      |
| Stage 2              | 947    | -      | -      |
| Platoon blocked, %   |        |        |        |
| Mov Cap-1 Maneuver   | 870    | 1021   | 1540   |
| Mov Cap-2 Maneuver   | 870    | -      | -      |
| Stage 1              | 974    | -      | -      |
| Stage 2              | 946    | -      | -      |

| Approach             | WB | NB | SB  |
|----------------------|----|----|-----|
| HCM Control Delay, s | 9  | 0  | 0.1 |
| HCM LOS              | A  |    |     |

| Minor Lane/Major Mvmt | NBT | NBRWBLn1 | SBL   | SBT   |
|-----------------------|-----|----------|-------|-------|
| Capacity (veh/h)      | -   | -        | 903   | 1540  |
| HCM Lane V/C Ratio    | -   | -        | 0.009 | 0.001 |
| HCM Control Delay (s) | -   | -        | 9     | 7.3   |
| HCM Lane LOS          | -   | -        | A     | A     |
| HCM 95th %tile Q(veh) | -   | -        | 0     | 0     |

| Intersection   |        |        |        |      |       |      |
|--|--------|--------|--------|------|-------|------|
| Int Delay, s/veh   | 0.9    |        |        |      |       |      |
| Movement   | EBL    | EBT    | WBT    | WBR  | SBL   | SBR  |
| Lane Configurations  | ↘      | ↑↑     | ↑↑     |      | ↘     |      |
| Traffic Vol, veh/h   | 1      | 2034   | 805    | 35   | 61    | 6    |
| Future Vol, veh/h  | 1      | 2034   | 805    | 35   | 61    | 6    |
| Conflicting Peds, #/hr   | 0      | 0      | 0      | 0    | 0     | 0    |
| Sign Control   | Free   | Free   | Free   | Free | Stop  | Stop |
| RT Channelized   | -      | None   | -      | None | -     | None |
| Storage Length   | 290    | -      | -      | -    | 0     | -    |
| Veh in Median Storage, #   | -      | 0      | 0      | -    | 2     | -    |
| Grade, %   | -      | 0      | 0      | -    | 0     | -    |
| Peak Hour Factor   | 93     | 93     | 88     | 88   | 76    | 76   |
| Heavy Vehicles, %  | 5      | 5      | 5      | 5    | 5     | 5    |
| Mvmt Flow  | 1      | 2187   | 915    | 40   | 80    | 8    |
| Major/Minor  | Major1 | Major2 | Minor2 |      |       |      |
| Conflicting Flow All   | 955    | 0      | -      | 0    | 2031  | 478  |
| Stage 1  | -      | -      | -      | -    | 935   | -    |
| Stage 2  | -      | -      | -      | -    | 1096  | -    |
| Critical Hdwy  | 4.2    | -      | -      | -    | 6.9   | 7    |
| Critical Hdwy Stg 1  | -      | -      | -      | -    | 5.9   | -    |
| Critical Hdwy Stg 2  | -      | -      | -      | -    | 5.9   | -    |
| Follow-up Hdwy   | 2.25   | -      | -      | -    | 3.55  | 3.35 |
| Pot Cap-1 Maneuver   | 697    | -      | -      | -    | ~ 48  | 526  |
| Stage 1  | -      | -      | -      | -    | 335   | -    |
| Stage 2  | -      | -      | -      | -    | 275   | -    |
| Platoon blocked, %   | -      | -      | -      | -    | -     | -    |
| Mov Cap-1 Maneuver   | 697    | -      | -      | -    | ~ 48  | 526  |
| Mov Cap-2 Maneuver   | -      | -      | -      | -    | 205   | -    |
| Stage 1  | -      | -      | -      | -    | 335   | -    |
| Stage 2  | -      | -      | -      | -    | 275   | -    |
| Approach   | EB     | WB     | SB     |      |       |      |
| HCM Control Delay, s   | 0      | 0      | 32.5   |      |       |      |
| HCM LOS  | D      |        |        |      |       |      |
| Minor Lane/Major Mvmt  | EBL    | EBT    | WBT    | WBR  | SBLn1 |      |
| Capacity (veh/h)   | 697    | -      | -      | -    | 217   |      |
| HCM Lane V/C Ratio   | 0.002  | -      | -      | -    | 0.406 |      |
| HCM Control Delay (s)  | 10.2   | -      | -      | -    | 32.5  |      |
| HCM Lane LOS   | B      | -      | -      | -    | D     |      |
| HCM 95th %tile Q(veh)  | 0      | -      | -      | -    | 1.8   |      |
| Notes  |        |        |        |      |       |      |
| -: Volume exceeds capacity    \$: Delay exceeds 300s    +: Computation Not Defined    *: All major volume in platoon |        |        |        |      |       |      |

| Intersection             |      |      |      |      |      |      |
|--------------------------|------|------|------|------|------|------|
| Int Delay, s/veh         | 1    |      |      |      |      |      |
| Movement                 | WBL  | WBR  | NBT  | NBR  | SBL  | SBT  |
| Lane Configurations      | W    |      | T    |      |      | T    |
| Traffic Vol, veh/h       | 4    | 2    | 52   | 6    | 2    | 27   |
| Future Vol, veh/h        | 4    | 2    | 52   | 6    | 2    | 27   |
| Conflicting Peds, #/hr   | 0    | 0    | 0    | 0    | 0    | 0    |
| Sign Control             | Stop | Stop | Free | Free | Free | Free |
| RT Channelized           | -    | None | -    | None | -    | None |
| Storage Length           | 0    | -    | -    | -    | -    | -    |
| Veh in Median Storage, # | 0    | -    | 0    | -    | -    | 0    |
| Grade, %                 | 0    | -    | 0    | -    | -    | 0    |
| Peak Hour Factor         | 50   | 50   | 81   | 81   | 73   | 73   |
| Heavy Vehicles, %        | 2    | 2    | 2    | 2    | 2    | 2    |
| Mvmt Flow                | 8    | 4    | 64   | 7    | 3    | 37   |

| Major/Minor          | Minor1 | Major1 | Major2 | Major3 | Major4 |
|----------------------|--------|--------|--------|--------|--------|
| Conflicting Flow All | 111    | 68     | 0      | 0      | 71     |
| Stage 1              | 68     | -      | -      | -      | -      |
| Stage 2              | 43     | -      | -      | -      | -      |
| Critical Hdwy        | 6.42   | 6.22   | -      | -      | 4.12   |
| Critical Hdwy Stg 1  | 5.42   | -      | -      | -      | -      |
| Critical Hdwy Stg 2  | 5.42   | -      | -      | -      | -      |
| Follow-up Hdwy       | 3.518  | 3.318  | -      | -      | 2.218  |
| Pot Cap-1 Maneuver   | 886    | 995    | -      | -      | 1529   |
| Stage 1              | 955    | -      | -      | -      | -      |
| Stage 2              | 979    | -      | -      | -      | -      |
| Platoon blocked, %   |        |        | -      | -      | -      |
| Mov Cap-1 Maneuver   | 884    | 995    | -      | -      | 1529   |
| Mov Cap-2 Maneuver   | 884    | -      | -      | -      | -      |
| Stage 1              | 955    | -      | -      | -      | -      |
| Stage 2              | 977    | -      | -      | -      | -      |

| Approach             | WB | NB | SB  |
|----------------------|----|----|-----|
| HCM Control Delay, s | 9  | 0  | 0.5 |
| HCM LOS              | A  |    |     |

| Minor Lane/Major Mvmt | NBT | NBRWBLn1 | SBL   | SBT   |
|-----------------------|-----|----------|-------|-------|
| Capacity (veh/h)      | -   | -        | 918   | 1529  |
| HCM Lane V/C Ratio    | -   | -        | 0.013 | 0.002 |
| HCM Control Delay (s) | -   | -        | 9     | 7.4   |
| HCM Lane LOS          | -   | -        | A     | A     |
| HCM 95th %tile Q(veh) | -   | -        | 0     | 0     |

**Intersection**

Int Delay, s/veh 1.2

| Movement                 | EBL  | EBT  | WBT  | WBR  | SBL  | SBR  |
|--------------------------|------|------|------|------|------|------|
| Lane Configurations      | ↘    | ↑↑   | ↑↑   |      | ↘    |      |
| Traffic Vol, veh/h       | 4    | 994  | 1788 | 54   | 29   | 4    |
| Future Vol, veh/h        | 4    | 994  | 1788 | 54   | 29   | 4    |
| Conflicting Peds, #/hr   | 0    | 0    | 0    | 0    | 0    | 0    |
| Sign Control             | Free | Free | Free | Free | Stop | Stop |
| RT Channelized           | -    | None | -    | None | -    | None |
| Storage Length           | 290  | -    | -    | -    | 0    | -    |
| Veh in Median Storage, # | -    | 0    | 0    | -    | 1    | -    |
| Grade, %                 | -    | 0    | 0    | -    | 0    | -    |
| Peak Hour Factor         | 95   | 95   | 93   | 93   | 75   | 75   |
| Heavy Vehicles, %        | 3    | 3    | 3    | 3    | 2    | 2    |
| Mvmt Flow                | 4    | 1046 | 1923 | 58   | 39   | 5    |

| Major/Minor          | Major1 | Major2 | Minor2 |
|----------------------|--------|--------|--------|
| Conflicting Flow All | 1981   | 0      | 0      |
| Stage 1              | -      | -      | -      |
| Stage 2              | -      | -      | -      |
| Critical Hdwy        | 4.16   | -      | -      |
| Critical Hdwy Stg 1  | -      | -      | -      |
| Critical Hdwy Stg 2  | -      | -      | -      |
| Follow-up Hdwy       | 2.23   | -      | -      |
| Pot Cap-1 Maneuver   | 284    | -      | -      |
| Stage 1              | -      | -      | -      |
| Stage 2              | -      | -      | -      |
| Platoon blocked, %   | -      | -      | -      |
| Mov Cap-1 Maneuver   | 284    | -      | -      |
| Mov Cap-2 Maneuver   | -      | -      | -      |
| Stage 1              | -      | -      | -      |
| Stage 2              | -      | -      | -      |

| Approach             | EB  | WB | SB   |
|----------------------|-----|----|------|
| HCM Control Delay, s | 0.1 | 0  | 82.8 |
| HCM LOS              |     |    | F    |

| Minor Lane/Major Mvmt | EBL   | EBT | WBT | WBR | SBLn1 |
|-----------------------|-------|-----|-----|-----|-------|
| Capacity (veh/h)      | 284   | -   | -   | -   | 87    |
| HCM Lane V/C Ratio    | 0.015 | -   | -   | -   | 0.506 |
| HCM Control Delay (s) | 17.9  | -   | -   | -   | 82.8  |
| HCM Lane LOS          | C     | -   | -   | -   | F     |
| HCM 95th %tile Q(veh) | 0     | -   | -   | -   | 2.2   |

Notes  
 -: Volume exceeds capacity    \$: Delay exceeds 300s    +: Computation Not Defined    \*: All major volume in platoon

**Intersection**

Int Delay, s/veh 0.6

**Movement** WBL WBR NBT NBR SBL SBT

|                          |      |      |      |      |      |      |
|--------------------------|------|------|------|------|------|------|
| Lane Configurations      | Y    |      | P    |      |      | U    |
| Traffic Vol, veh/h       | 3    | 1    | 38   | 0    | 1    | 65   |
| Future Vol, veh/h        | 3    | 1    | 38   | 0    | 1    | 65   |
| Conflicting Peds, #/hr   | 0    | 0    | 0    | 0    | 0    | 0    |
| Sign Control             | Stop | Stop | Free | Free | Free | Free |
| RT Channelized           | -    | None | -    | None | -    | None |
| Storage Length           | 0    | -    | -    | -    | -    | -    |
| Veh in Median Storage, # | 0    | -    | 0    | -    | -    | 0    |
| Grade, %                 | 0    | -    | 0    | -    | -    | 0    |
| Peak Hour Factor         | 50   | 50   | 75   | 75   | 82   | 82   |
| Heavy Vehicles, %        | 2    | 2    | 3    | 3    | 5    | 5    |
| Mvmt Flow                | 6    | 2    | 51   | 0    | 1    | 79   |

**Major/Minor** Minor1 Major1 Major2

|                      |       |       |   |   |       |   |
|----------------------|-------|-------|---|---|-------|---|
| Conflicting Flow All | 132   | 51    | 0 | 0 | 51    | 0 |
| Stage 1              | 51    | -     | - | - | -     | - |
| Stage 2              | 81    | -     | - | - | -     | - |
| Critical Hdwy        | 6.42  | 6.22  | - | - | 4.15  | - |
| Critical Hdwy Stg 1  | 5.42  | -     | - | - | -     | - |
| Critical Hdwy Stg 2  | 5.42  | -     | - | - | -     | - |
| Follow-up Hdwy       | 3.518 | 3.318 | - | - | 2.245 | - |
| Pot Cap-1 Maneuver   | 862   | 1017  | - | - | 1536  | - |
| Stage 1              | 971   | -     | - | - | -     | - |
| Stage 2              | 942   | -     | - | - | -     | - |
| Platoon blocked, %   |       |       | - | - | -     | - |
| Mov Cap-1 Maneuver   | 861   | 1017  | - | - | 1536  | - |
| Mov Cap-2 Maneuver   | 861   | -     | - | - | -     | - |
| Stage 1              | 971   | -     | - | - | -     | - |
| Stage 2              | 941   | -     | - | - | -     | - |

**Approach** WB NB SB

|                      |     |   |     |
|----------------------|-----|---|-----|
| HCM Control Delay, s | 9.1 | 0 | 0.1 |
| HCM LOS              | A   |   |     |

**Minor Lane/Major Mvmt** NBT NBRWBLn1 SBL SBT

|                       |   |   |       |       |   |
|-----------------------|---|---|-------|-------|---|
| Capacity (veh/h)      | - | - | 895   | 1536  | - |
| HCM Lane V/C Ratio    | - | - | 0.009 | 0.001 | - |
| HCM Control Delay (s) | - | - | 9.1   | 7.3   | 0 |
| HCM Lane LOS          | - | - | A     | A     | A |
| HCM 95th %tile Q(veh) | - | - | 0     | 0     | - |



| Intersection   |        |        |        |      |       |      |
|--|--------|--------|--------|------|-------|------|
| Int Delay, s/veh   | 1      |        |        |      |       |      |
| Movement   | EBL    | EBT    | WBT    | WBR  | SBL   | SBR  |
| Lane Configurations  | ↘      | ↕      | ↕      |      | ↕     |      |
| Traffic Vol, veh/h   | 1      | 2158   | 854    | 37   | 65    | 6    |
| Future Vol, veh/h  | 1      | 2158   | 854    | 37   | 65    | 6    |
| Conflicting Peds, #/hr   | 0      | 0      | 0      | 0    | 0     | 0    |
| Sign Control   | Free   | Free   | Free   | Free | Stop  | Stop |
| RT Channelized   | -      | None   | -      | None | -     | None |
| Storage Length   | 290    | -      | -      | -    | 0     | -    |
| Veh in Median Storage, #   | -      | 0      | 0      | -    | 2     | -    |
| Grade, %   | -      | 0      | 0      | -    | 0     | -    |
| Peak Hour Factor   | 93     | 93     | 88     | 88   | 76    | 76   |
| Heavy Vehicles, %  | 5      | 5      | 5      | 5    | 5     | 5    |
| Mvmt Flow  | 1      | 2320   | 970    | 42   | 86    | 8    |
| Major/Minor  | Major1 | Major2 | Minor2 |      |       |      |
| Conflicting Flow All   | 1012   | 0      | -      | 0    | 2153  | 506  |
| Stage 1  | -      | -      | -      | -    | 991   | -    |
| Stage 2  | -      | -      | -      | -    | 1162  | -    |
| Critical Hdwy  | 4.2    | -      | -      | -    | 6.9   | 7    |
| Critical Hdwy Stg 1  | -      | -      | -      | -    | 5.9   | -    |
| Critical Hdwy Stg 2  | -      | -      | -      | -    | 5.9   | -    |
| Follow-up Hdwy   | 2.25   | -      | -      | -    | 3.55  | 3.35 |
| Pot Cap-1 Maneuver   | 663    | -      | -      | -    | ~ 39  | 504  |
| Stage 1  | -      | -      | -      | -    | 313   | -    |
| Stage 2  | -      | -      | -      | -    | 254   | -    |
| Platoon blocked, %   | -      | -      | -      | -    | -     | -    |
| Mov Cap-1 Maneuver   | 663    | -      | -      | -    | ~ 39  | 504  |
| Mov Cap-2 Maneuver   | -      | -      | -      | -    | 189   | -    |
| Stage 1  | -      | -      | -      | -    | 312   | -    |
| Stage 2  | -      | -      | -      | -    | 254   | -    |
| Approach   | EB     | WB     | SB     |      |       |      |
| HCM Control Delay, s   | 0      | 0      | 37.9   |      |       |      |
| HCM LOS  |        |        |        |      |       | E    |
| Minor Lane/Major Mvmt  | EBL    | EBT    | WBT    | WBR  | SBLn1 |      |
| Capacity (veh/h)   | 663    | -      | -      | -    | 200   |      |
| HCM Lane V/C Ratio   | 0.002  | -      | -      | -    | 0.467 |      |
| HCM Control Delay (s)  | 10.4   | -      | -      | -    | 37.9  |      |
| HCM Lane LOS   | B      | -      | -      | -    | E     |      |
| HCM 95th %tile Q(veh)  | 0      | -      | -      | -    | 2.2   |      |
| Notes  |        |        |        |      |       |      |
| -: Volume exceeds capacity    \$: Delay exceeds 300s    +: Computation Not Defined    *: All major volume in platoon |        |        |        |      |       |      |

**Intersection**

Int Delay, s/veh 1

| Movement                 | WBL  | WBR  | NBT  | NBR  | SBL  | SBT  |
|--------------------------|------|------|------|------|------|------|
| Lane Configurations      | Y    |      | ↑    |      |      | ↑    |
| Traffic Vol, veh/h       | 4    | 2    | 55   | 6    | 2    | 29   |
| Future Vol, veh/h        | 4    | 2    | 55   | 6    | 2    | 29   |
| Conflicting Peds, #/hr   | 0    | 0    | 0    | 0    | 0    | 0    |
| Sign Control             | Stop | Stop | Free | Free | Free | Free |
| RT Channelized           | -    | None | -    | None | -    | None |
| Storage Length           | 0    | -    | -    | -    | -    | -    |
| Veh in Median Storage, # | 0    | -    | 0    | -    | -    | 0    |
| Grade, %                 | 0    | -    | 0    | -    | -    | 0    |
| Peak Hour Factor         | 50   | 50   | 81   | 81   | 73   | 73   |
| Heavy Vehicles, %        | 2    | 2    | 2    | 2    | 2    | 2    |
| Mvmt Flow                | 8    | 4    | 68   | 7    | 3    | 40   |

| Major/Minor          | Minor1 | Major1 | Major2 |   |       |
|----------------------|--------|--------|--------|---|-------|
| Conflicting Flow All | 118    | 72     | 0      | 0 | 75    |
| Stage 1              | 72     | -      | -      | - | -     |
| Stage 2              | 46     | -      | -      | - | -     |
| Critical Hdwy        | 6.42   | 6.22   | -      | - | 4.12  |
| Critical Hdwy Stg 1  | 5.42   | -      | -      | - | -     |
| Critical Hdwy Stg 2  | 5.42   | -      | -      | - | -     |
| Follow-up Hdwy       | 3.518  | 3.318  | -      | - | 2.218 |
| Pot Cap-1 Maneuver   | 878    | 990    | -      | - | 1524  |
| Stage 1              | 951    | -      | -      | - | -     |
| Stage 2              | 976    | -      | -      | - | -     |
| Platoon blocked, %   |        |        | -      | - | -     |
| Mov Cap-1 Maneuver   | 876    | 990    | -      | - | 1524  |
| Mov Cap-2 Maneuver   | 876    | -      | -      | - | -     |
| Stage 1              | 951    | -      | -      | - | -     |
| Stage 2              | 974    | -      | -      | - | -     |

| Approach             | WB | NB | SB  |
|----------------------|----|----|-----|
| HCM Control Delay, s | 9  | 0  | 0.5 |
| HCM LOS              | A  |    |     |

| Minor Lane/Major Mvmt | NBT | NBRWBLn1 | SBL   | SBT   |
|-----------------------|-----|----------|-------|-------|
| Capacity (veh/h)      | -   | -        | 911   | 1524  |
| HCM Lane V/C Ratio    | -   | -        | 0.013 | 0.002 |
| HCM Control Delay (s) | -   | -        | 9     | 7.4   |
| HCM Lane LOS          | -   | -        | A     | A     |
| HCM 95th %tile Q(veh) | -   | -        | 0     | 0     |

| Intersection   |        |        |        |      |       |      |
|--|--------|--------|--------|------|-------|------|
| Int Delay, s/veh   | 1.4    |        |        |      |       |      |
| Movement   | EBL    | EBT    | WBT    | WBR  | SBL   | SBR  |
| Lane Configurations  | ↘      | ↑↑     | ↑↑     |      | ↘     |      |
| Traffic Vol, veh/h   | 4      | 1055   | 1897   | 57   | 31    | 4    |
| Future Vol, veh/h  | 4      | 1055   | 1897   | 57   | 31    | 4    |
| Conflicting Peds, #/hr   | 0      | 0      | 0      | 0    | 0     | 0    |
| Sign Control   | Free   | Free   | Free   | Free | Stop  | Stop |
| RT Channelized   | -      | None   | -      | None | -     | None |
| Storage Length   | 290    | -      | -      | -    | 0     | -    |
| Veh in Median Storage, #   | -      | 0      | 0      | -    | 2     | -    |
| Grade, %   | -      | 0      | 0      | -    | 0     | -    |
| Peak Hour Factor   | 95     | 95     | 93     | 93   | 75    | 75   |
| Heavy Vehicles, %  | 3      | 3      | 3      | 3    | 2     | 2    |
| Mvmt Flow  | 4      | 1111   | 2040   | 61   | 41    | 5    |
| Major/Minor  | Major1 | Major2 | Minor2 |      |       |      |
| Conflicting Flow All   | 2101   | 0      | -      | 0    | 2635  | 1051 |
| Stage 1  | -      | -      | -      | -    | 2071  | -    |
| Stage 2  | -      | -      | -      | -    | 564   | -    |
| Critical Hdwy  | 4.16   | -      | -      | -    | 6.84  | 6.94 |
| Critical Hdwy Stg 1  | -      | -      | -      | -    | 5.84  | -    |
| Critical Hdwy Stg 2  | -      | -      | -      | -    | 5.84  | -    |
| Follow-up Hdwy   | 2.23   | -      | -      | -    | 3.52  | 3.32 |
| Pot Cap-1 Maneuver   | 255    | -      | -      | -    | ~ 19  | 223  |
| Stage 1  | -      | -      | -      | -    | 83    | -    |
| Stage 2  | -      | -      | -      | -    | 533   | -    |
| Platoon blocked, %   | -      | -      | -      | -    | -     | -    |
| Mov Cap-1 Maneuver   | 255    | -      | -      | -    | ~ 19  | 223  |
| Mov Cap-2 Maneuver   | -      | -      | -      | -    | 77    | -    |
| Stage 1  | -      | -      | -      | -    | 82    | -    |
| Stage 2  | -      | -      | -      | -    | 533   | -    |
| Approach   | EB     | WB     | SB     |      |       |      |
| HCM Control Delay, s   | 0.1    | 0      | 93.7   |      |       |      |
| HCM LOS  |        |        | F      |      |       |      |
| Minor Lane/Major Mvmt  | EBL    | EBT    | WBT    | WBR  | SBLn1 |      |
| Capacity (veh/h)   | 255    | -      | -      | -    | 83    |      |
| HCM Lane V/C Ratio   | 0.017  | -      | -      | -    | 0.562 |      |
| HCM Control Delay (s)  | 19.4   | -      | -      | -    | 93.7  |      |
| HCM Lane LOS   | C      | -      | -      | -    | F     |      |
| HCM 95th %tile Q(veh)  | 0.1    | -      | -      | -    | 2.5   |      |
| Notes  |        |        |        |      |       |      |
| -: Volume exceeds capacity    \$: Delay exceeds 300s    +: Computation Not Defined    *: All major volume in platoon |        |        |        |      |       |      |

| Intersection             |      |      |      |      |      |      |
|--------------------------|------|------|------|------|------|------|
| Int Delay, s/veh         | 1.8  |      |      |      |      |      |
| Movement                 | WBL  | WBR  | NBT  | NBR  | SBL  | SBT  |
| Lane Configurations      | Y    |      | T    |      |      | T    |
| Traffic Vol, veh/h       | 29   | 1    | 38   | 9    | 1    | 65   |
| Future Vol, veh/h        | 29   | 1    | 38   | 9    | 1    | 65   |
| Conflicting Peds, #/hr   | 0    | 0    | 0    | 0    | 0    | 0    |
| Sign Control             | Stop | Stop | Free | Free | Free | Free |
| RT Channelized           | -    | None | -    | None | -    | None |
| Storage Length           | 0    | -    | -    | -    | -    | -    |
| Veh in Median Storage, # | 0    | -    | 0    | -    | -    | 0    |
| Grade, %                 | 0    | -    | 0    | -    | -    | 0    |
| Peak Hour Factor         | 90   | 90   | 75   | 75   | 82   | 82   |
| Heavy Vehicles, %        | 2    | 2    | 3    | 3    | 5    | 5    |
| Mvmt Flow                | 32   | 1    | 51   | 12   | 1    | 79   |

| Major/Minor          | Minor1 | Major1 | Major2 | Major3 | Major4 | Major5 |
|----------------------|--------|--------|--------|--------|--------|--------|
| Conflicting Flow All | 138    | 57     | 0      | 0      | 63     | 0      |
| Stage 1              | 57     | -      | -      | -      | -      | -      |
| Stage 2              | 81     | -      | -      | -      | -      | -      |
| Critical Hdwy        | 6.42   | 6.22   | -      | -      | 4.15   | -      |
| Critical Hdwy Stg 1  | 5.42   | -      | -      | -      | -      | -      |
| Critical Hdwy Stg 2  | 5.42   | -      | -      | -      | -      | -      |
| Follow-up Hdwy       | 3.518  | 3.318  | -      | -      | 2.245  | -      |
| Pot Cap-1 Maneuver   | 855    | 1009   | -      | -      | 1521   | -      |
| Stage 1              | 966    | -      | -      | -      | -      | -      |
| Stage 2              | 942    | -      | -      | -      | -      | -      |
| Platoon blocked, %   |        |        | -      | -      | -      | -      |
| Mov Cap-1 Maneuver   | 854    | 1009   | -      | -      | 1521   | -      |
| Mov Cap-2 Maneuver   | 854    | -      | -      | -      | -      | -      |
| Stage 1              | 966    | -      | -      | -      | -      | -      |
| Stage 2              | 941    | -      | -      | -      | -      | -      |

| Approach             | WB  | NB | SB  |
|----------------------|-----|----|-----|
| HCM Control Delay, s | 9.4 | 0  | 0.1 |
| HCM LOS              | A   |    |     |

| Minor Lane/Major Mvmt | NBT | NBRWBLn1 | SBL   | SBT   |
|-----------------------|-----|----------|-------|-------|
| Capacity (veh/h)      | -   | -        | 858   | 1521  |
| HCM Lane V/C Ratio    | -   | -        | 0.039 | 0.001 |
| HCM Control Delay (s) | -   | -        | 9.4   | 7.4   |
| HCM Lane LOS          | -   | -        | A     | A     |
| HCM 95th %tile Q(veh) | -   | -        | 0.1   | 0     |

| Intersection   |        |        |        |      |       |       |
|--|--------|--------|--------|------|-------|-------|
| Int Delay, s/veh   | 1      |        |        |      |       |       |
| Movement   | EBL    | EBT    | WBT    | WBR  | SBL   | SBR   |
| Lane Configurations  | ↘      | ↕      | ↕      | ↗    | ↘     | ↗     |
| Traffic Vol, veh/h   | 13     | 2230   | 906    | 9    | 66    | 26    |
| Future Vol, veh/h  | 13     | 2230   | 906    | 9    | 66    | 26    |
| Conflicting Peds, #/hr   | 0      | 0      | 0      | 0    | 0     | 0     |
| Sign Control   | Free   | Free   | Free   | Free | Stop  | Stop  |
| RT Channelized   | -      | None   | -      | None | -     | None  |
| Storage Length   | 180    | -      | -      | 100  | 0     | 0     |
| Veh in Median Storage, #   | -      | 0      | 0      | -    | 2     | -     |
| Grade, %   | -      | 0      | 0      | -    | 0     | -     |
| Peak Hour Factor   | 94     | 94     | 88     | 88   | 90    | 90    |
| Heavy Vehicles, %  | 5      | 5      | 5      | 5    | 2     | 2     |
| Mvmt Flow  | 14     | 2372   | 1030   | 10   | 73    | 29    |
| Major/Minor  | Major1 | Major2 | Minor2 |      |       |       |
| Conflicting Flow All   | 1040   | 0      | -      | 0    | 2244  | 515   |
| Stage 1  | -      | -      | -      | -    | 1030  | -     |
| Stage 2  | -      | -      | -      | -    | 1214  | -     |
| Critical Hdwy  | 4.2    | -      | -      | -    | 6.84  | 6.94  |
| Critical Hdwy Stg 1  | -      | -      | -      | -    | 5.84  | -     |
| Critical Hdwy Stg 2  | -      | -      | -      | -    | 5.84  | -     |
| Follow-up Hdwy   | 2.25   | -      | -      | -    | 3.52  | 3.32  |
| Pot Cap-1 Maneuver   | 647    | -      | -      | -    | ~ 36  | 505   |
| Stage 1  | -      | -      | -      | -    | 305   | -     |
| Stage 2  | -      | -      | -      | -    | 244   | -     |
| Platoon blocked, %   | -      | -      | -      | -    | -     | -     |
| Mov Cap-1 Maneuver   | 647    | -      | -      | -    | ~ 35  | 505   |
| Mov Cap-2 Maneuver   | -      | -      | -      | -    | 180   | -     |
| Stage 1  | -      | -      | -      | -    | 298   | -     |
| Stage 2  | -      | -      | -      | -    | 244   | -     |
| Approach   | EB     | WB     | SB     |      |       |       |
| HCM Control Delay, s   | 0.1    | 0      | 30.9   |      |       |       |
| HCM LOS  | D      |        |        |      |       |       |
| Minor Lane/Major Mvmt  | EBL    | EBT    | WBT    | WBR  | SBLn1 | SBLn2 |
| Capacity (veh/h)   | 647    | -      | -      | -    | 180   | 505   |
| HCM Lane V/C Ratio   | 0.021  | -      | -      | -    | 0.407 | 0.057 |
| HCM Control Delay (s)  | 10.7   | -      | -      | -    | 38.1  | 12.6  |
| HCM Lane LOS   | B      | -      | -      | -    | E     | B     |
| HCM 95th %tile Q(veh)  | 0.1    | -      | -      | -    | 1.8   | 0.2   |
| Notes  |        |        |        |      |       |       |
| -: Volume exceeds capacity    \$: Delay exceeds 300s    +: Computation Not Defined    *: All major volume in platoon |        |        |        |      |       |       |

**Intersection**

Int Delay, s/veh 1.6

| Movement                 | EBL  | EBT  | WBT  | WBR  | SBL  | SBR  |
|--------------------------|------|------|------|------|------|------|
| Lane Configurations      | ↘    | ↑↑   | ↑↑   |      | ↘    |      |
| Traffic Vol, veh/h       | 8    | 2171 | 893  | 39   | 72   | 25   |
| Future Vol, veh/h        | 8    | 2171 | 893  | 39   | 72   | 25   |
| Conflicting Peds, #/hr   | 0    | 0    | 0    | 0    | 0    | 0    |
| Sign Control             | Free | Free | Free | Free | Stop | Stop |
| RT Channelized           | -    | None | -    | None | -    | None |
| Storage Length           | 290  | -    | -    | -    | 0    | -    |
| Veh in Median Storage, # | -    | 0    | 0    | -    | 2    | -    |
| Grade, %                 | -    | 0    | 0    | -    | 0    | -    |
| Peak Hour Factor         | 93   | 93   | 88   | 88   | 76   | 76   |
| Heavy Vehicles, %        | 5    | 5    | 5    | 5    | 5    | 5    |
| Mvmt Flow                | 9    | 2334 | 1015 | 44   | 95   | 33   |

| Major/Minor          | Major1 | Major2 | Minor2 |   |           |
|----------------------|--------|--------|--------|---|-----------|
| Conflicting Flow All | 1059   | 0      | -      | 0 | 2222 530  |
| Stage 1              | -      | -      | -      | - | 1037 -    |
| Stage 2              | -      | -      | -      | - | 1185 -    |
| Critical Hdwy        | 4.2    | -      | -      | - | 6.9 7     |
| Critical Hdwy Stg 1  | -      | -      | -      | - | 5.9 -     |
| Critical Hdwy Stg 2  | -      | -      | -      | - | 5.9 -     |
| Follow-up Hdwy       | 2.25   | -      | -      | - | 3.55 3.35 |
| Pot Cap-1 Maneuver   | 636    | -      | -      | - | ~ 35 486  |
| Stage 1              | -      | -      | -      | - | 296 -     |
| Stage 2              | -      | -      | -      | - | 247 -     |
| Platoon blocked, %   |        | -      | -      | - |           |
| Mov Cap-1 Maneuver   | 636    | -      | -      | - | ~ 35 486  |
| Mov Cap-2 Maneuver   | -      | -      | -      | - | 180 -     |
| Stage 1              | -      | -      | -      | - | 292 -     |
| Stage 2              | -      | -      | -      | - | 247 -     |

| Approach             | EB | WB | SB   |
|----------------------|----|----|------|
| HCM Control Delay, s | 0  | 0  | 43.6 |
| HCM LOS              |    |    | E    |

| Minor Lane/Major Mvmt | EBL   | EBT | WBT | WBR | SBLn1 |
|-----------------------|-------|-----|-----|-----|-------|
| Capacity (veh/h)      | 636   | -   | -   | -   | 215   |
| HCM Lane V/C Ratio    | 0.014 | -   | -   | -   | 0.594 |
| HCM Control Delay (s) | 10.7  | -   | -   | -   | 43.6  |
| HCM Lane LOS          | B     | -   | -   | -   | E     |
| HCM 95th %tile Q(veh) | 0     | -   | -   | -   | 3.4   |

**Notes**  
 -: Volume exceeds capacity    \$: Delay exceeds 300s    +: Computation Not Defined    \*: All major volume in platoon

| Intersection             |      |      |      |      |      |      |
|--------------------------|------|------|------|------|------|------|
| Int Delay, s/veh         | 0.1  |      |      |      |      |      |
| Movement                 | EBL  | EBT  | WBT  | WBR  | SBL  | SBR  |
| Lane Configurations      |      | ↑↑   | ↑↑   | ↑    |      | ↑    |
| Traffic Vol, veh/h       | 0    | 2296 | 902  | 13   | 0    | 13   |
| Future Vol, veh/h        | 0    | 2296 | 902  | 13   | 0    | 13   |
| Conflicting Peds, #/hr   | 0    | 0    | 0    | 0    | 0    | 0    |
| Sign Control             | Free | Free | Free | Free | Stop | Stop |
| RT Channelized           | -    | None | -    | None | -    | None |
| Storage Length           | -    | -    | -    | 100  | -    | 0    |
| Veh in Median Storage, # | -    | 0    | 0    | -    | 0    | -    |
| Grade, %                 | -    | 0    | 0    | -    | 0    | -    |
| Peak Hour Factor         | 94   | 94   | 88   | 88   | 90   | 90   |
| Heavy Vehicles, %        | 5    | 5    | 5    | 5    | 2    | 2    |
| Mvmt Flow                | 0    | 2443 | 1025 | 15   | 0    | 14   |

| Major/Minor          | Major1 | Major2 | Minor2 |
|----------------------|--------|--------|--------|
| Conflicting Flow All | -      | 0      | 0      |
| Stage 1              | -      | -      | -      |
| Stage 2              | -      | -      | -      |
| Critical Hdwy        | -      | -      | 6.94   |
| Critical Hdwy Stg 1  | -      | -      | -      |
| Critical Hdwy Stg 2  | -      | -      | -      |
| Follow-up Hdwy       | -      | -      | 3.32   |
| Pot Cap-1 Maneuver   | 0      | -      | 506    |
| Stage 1              | 0      | -      | 0      |
| Stage 2              | 0      | -      | 0      |
| Platoon blocked, %   | -      | -      | -      |
| Mov Cap-1 Maneuver   | -      | -      | 506    |
| Mov Cap-2 Maneuver   | -      | -      | -      |
| Stage 1              | -      | -      | -      |
| Stage 2              | -      | -      | -      |

| Approach             | EB | WB | SB   |
|----------------------|----|----|------|
| HCM Control Delay, s | 0  | 0  | 12.3 |
| HCM LOS              |    |    | B    |

| Minor Lane/Major Mvmt | EBT | WBT | WBR | SBLn1 |
|-----------------------|-----|-----|-----|-------|
| Capacity (veh/h)      | -   | -   | -   | 506   |
| HCM Lane V/C Ratio    | -   | -   | -   | 0.029 |
| HCM Control Delay (s) | -   | -   | -   | 12.3  |
| HCM Lane LOS          | -   | -   | -   | B     |
| HCM 95th %tile Q(veh) | -   | -   | -   | 0.1   |

| Intersection             |        |          |        |       |       |      |
|--------------------------|--------|----------|--------|-------|-------|------|
| Int Delay, s/veh         | 1.5    |          |        |       |       |      |
| Movement                 | WBL    | WBR      | NBT    | NBR   | SBL   | SBT  |
| Lane Configurations      |        |          |        |       |       |      |
| Traffic Vol, veh/h       | 21     | 2        | 55     | 34    | 2     | 29   |
| Future Vol, veh/h        | 21     | 2        | 55     | 34    | 2     | 29   |
| Conflicting Peds, #/hr   | 0      | 0        | 0      | 0     | 0     | 0    |
| Sign Control             | Stop   | Stop     | Free   | Free  | Free  | Free |
| RT Channelized           | -      | None     | -      | None  | -     | None |
| Storage Length           | 0      | -        | -      | -     | -     | -    |
| Veh in Median Storage, # | 0      | -        | 0      | -     | -     | 0    |
| Grade, %                 | 0      | -        | 0      | -     | -     | 0    |
| Peak Hour Factor         | 90     | 90       | 81     | 81    | 73    | 73   |
| Heavy Vehicles, %        | 2      | 2        | 2      | 2     | 2     | 2    |
| Mvmt Flow                | 23     | 2        | 68     | 42    | 3     | 40   |
| Major/Minor              | Minor1 | Major1   | Major2 |       |       |      |
| Conflicting Flow All     | 135    | 89       | 0      | 0     | 110   | 0    |
| Stage 1                  | 89     | -        | -      | -     | -     | -    |
| Stage 2                  | 46     | -        | -      | -     | -     | -    |
| Critical Hdwy            | 6.42   | 6.22     | -      | -     | 4.12  | -    |
| Critical Hdwy Stg 1      | 5.42   | -        | -      | -     | -     | -    |
| Critical Hdwy Stg 2      | 5.42   | -        | -      | -     | -     | -    |
| Follow-up Hdwy           | 3.518  | 3.318    | -      | -     | 2.218 | -    |
| Pot Cap-1 Maneuver       | 859    | 969      | -      | -     | 1480  | -    |
| Stage 1                  | 934    | -        | -      | -     | -     | -    |
| Stage 2                  | 976    | -        | -      | -     | -     | -    |
| Platoon blocked, %       |        |          | -      | -     | -     | -    |
| Mov Cap-1 Maneuver       | 857    | 969      | -      | -     | 1480  | -    |
| Mov Cap-2 Maneuver       | 857    | -        | -      | -     | -     | -    |
| Stage 1                  | 934    | -        | -      | -     | -     | -    |
| Stage 2                  | 974    | -        | -      | -     | -     | -    |
| Approach                 | WB     | NB       |        | SB    |       |      |
| HCM Control Delay, s     | 9.3    | 0        |        | 0.5   |       |      |
| HCM LOS                  | A      |          |        |       |       |      |
| Minor Lane/Major Mvmt    | NBT    | NBRWBLn1 | SBL    | SBT   |       |      |
| Capacity (veh/h)         | -      | -        | 866    | 1480  | -     |      |
| HCM Lane V/C Ratio       | -      | -        | 0.03   | 0.002 | -     |      |
| HCM Control Delay (s)    | -      | -        | 9.3    | 7.4   | 0     |      |
| HCM Lane LOS             | -      | -        | A      | A     | A     |      |
| HCM 95th %tile Q(veh)    | -      | -        | 0.1    | 0     | -     |      |



**Intersection**

Int Delay, s/veh 2.9

**Movement** EBL EBT WBT WBR SBL SBR

|                          |      |      |      |      |      |      |
|--------------------------|------|------|------|------|------|------|
| Lane Configurations      | ↘    | ↕    | ↕    | ↗    | ↘    | ↗    |
| Traffic Vol, veh/h       | 43   | 1090 | 1971 | 29   | 43   | 16   |
| Future Vol, veh/h        | 43   | 1090 | 1971 | 29   | 43   | 16   |
| Conflicting Peds, #/hr   | 0    | 0    | 0    | 0    | 0    | 0    |
| Sign Control             | Free | Free | Free | Free | Stop | Stop |
| RT Channelized           | -    | None | -    | None | -    | None |
| Storage Length           | 180  | -    | -    | 100  | 0    | 0    |
| Veh in Median Storage, # | -    | 0    | 0    | -    | 2    | -    |
| Grade, %                 | -    | 0    | 0    | -    | 0    | -    |
| Peak Hour Factor         | 95   | 95   | 93   | 93   | 90   | 90   |
| Heavy Vehicles, %        | 2    | 2    | 3    | 3    | 2    | 2    |
| Mvmt Flow                | 45   | 1147 | 2119 | 31   | 48   | 18   |

**Major/Minor** Major1 Major2 Minor2

|                      |      |   |   |   |      |      |
|----------------------|------|---|---|---|------|------|
| Conflicting Flow All | 2150 | 0 | - | 0 | 2783 | 1060 |
| Stage 1              | -    | - | - | - | 2119 | -    |
| Stage 2              | -    | - | - | - | 664  | -    |
| Critical Hdwy        | 4.14 | - | - | - | 6.84 | 6.94 |
| Critical Hdwy Stg 1  | -    | - | - | - | 5.84 | -    |
| Critical Hdwy Stg 2  | -    | - | - | - | 5.84 | -    |
| Follow-up Hdwy       | 2.22 | - | - | - | 3.52 | 3.32 |
| Pot Cap-1 Maneuver   | 247  | - | - | - | ~15  | 220  |
| Stage 1              | -    | - | - | - | 78   | -    |
| Stage 2              | -    | - | - | - | 474  | -    |
| Platoon blocked, %   | -    | - | - | - | -    | -    |
| Mov Cap-1 Maneuver   | 247  | - | - | - | ~12  | 220  |
| Mov Cap-2 Maneuver   | -    | - | - | - | 60   | -    |
| Stage 1              | -    | - | - | - | 64   | -    |
| Stage 2              | -    | - | - | - | 474  | -    |

**Approach** EB WB SB

HCM Control Delay, s 0.9 0 132.1  
HCM LOS F

**Minor Lane/Major Mvmt** EBL EBT WBT WBR SBLn1 SBLn2

|                       |       |   |   |   |       |       |
|-----------------------|-------|---|---|---|-------|-------|
| Capacity (veh/h)      | 247   | - | - | - | 60    | 220   |
| HCM Lane V/C Ratio    | 0.183 | - | - | - | 0.796 | 0.081 |
| HCM Control Delay (s) | 22.8  | - | - | - | 172.8 | 22.8  |
| HCM Lane LOS          | C     | - | - | - | F     | C     |
| HCM 95th %tile Q(veh) | 0.7   | - | - | - | 3.5   | 0.3   |

**Notes**

-: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined \*: All major volume in platoon

**Intersection**

Int Delay, s/veh 2.8

| Movement                 | EBL  | EBT  | WBT  | WBR  | SBL  | SBR  |
|--------------------------|------|------|------|------|------|------|
| Lane Configurations      | ↘    | ↑↑   | ↑↑   |      | ↘    |      |
| Traffic Vol, veh/h       | 25   | 1098 | 1922 | 64   | 35   | 17   |
| Future Vol, veh/h        | 25   | 1098 | 1922 | 64   | 35   | 17   |
| Conflicting Peds, #/hr   | 0    | 0    | 0    | 0    | 0    | 0    |
| Sign Control             | Free | Free | Free | Free | Stop | Stop |
| RT Channelized           | -    | None | -    | None | -    | None |
| Storage Length           | 290  | -    | -    | -    | 0    | -    |
| Veh in Median Storage, # | -    | 0    | 0    | -    | 2    | -    |
| Grade, %                 | -    | 0    | 0    | -    | 0    | -    |
| Peak Hour Factor         | 95   | 95   | 93   | 93   | 75   | 75   |
| Heavy Vehicles, %        | 3    | 3    | 3    | 3    | 2    | 2    |
| Mvmt Flow                | 26   | 1156 | 2067 | 69   | 47   | 23   |

| Major/Minor          | Major1 | Major2 | Minor2 |   |           |
|----------------------|--------|--------|--------|---|-----------|
| Conflicting Flow All | 2136   | 0      | -      | 0 | 2732 1068 |
| Stage 1              | -      | -      | -      | - | 2102 -    |
| Stage 2              | -      | -      | -      | - | 630 -     |
| Critical Hdwy        | 4.16   | -      | -      | - | 6.84 6.94 |
| Critical Hdwy Stg 1  | -      | -      | -      | - | 5.84 -    |
| Critical Hdwy Stg 2  | -      | -      | -      | - | 5.84 -    |
| Follow-up Hdwy       | 2.23   | -      | -      | - | 3.52 3.32 |
| Pot Cap-1 Maneuver   | 247    | -      | -      | - | ~16 218   |
| Stage 1              | -      | -      | -      | - | 80 -      |
| Stage 2              | -      | -      | -      | - | 493 -     |
| Platoon blocked, %   |        | -      | -      | - |           |
| Mov Cap-1 Maneuver   | 247    | -      | -      | - | ~14 218   |
| Mov Cap-2 Maneuver   | -      | -      | -      | - | 68 -      |
| Stage 1              | -      | -      | -      | - | 72 -      |
| Stage 2              | -      | -      | -      | - | 493 -     |

| Approach             | EB  | WB | SB    |
|----------------------|-----|----|-------|
| HCM Control Delay, s | 0.5 | 0  | 127.7 |
| HCM LOS              |     |    | F     |

| Minor Lane/Major Mvmt | EBL   | EBT | WBT | WBR | SBLn1 |
|-----------------------|-------|-----|-----|-----|-------|
| Capacity (veh/h)      | 247   | -   | -   | -   | 88    |
| HCM Lane V/C Ratio    | 0.107 | -   | -   | -   | 0.788 |
| HCM Control Delay (s) | 21.3  | -   | -   | -   | 127.7 |
| HCM Lane LOS          | C     | -   | -   | -   | F     |
| HCM 95th %tile Q(veh) | 0.4   | -   | -   | -   | 4.1   |

Notes  
 - Volume exceeds capacity    \$ Delay exceeds 300s    +: Computation Not Defined    \*: All major volume in platoon

**Intersection**

Int Delay, s/veh 0.1

| Movement                 | EBL  | EBT  | WBT  | WBR  | SBL  | SBR  |
|--------------------------|------|------|------|------|------|------|
| Lane Configurations      |      | ↑↑   | ↑↑   | ↑    |      | ↑    |
| Traffic Vol, veh/h       | 0    | 1133 | 1991 | 43   | 0    | 9    |
| Future Vol, veh/h        | 0    | 1133 | 1991 | 43   | 0    | 9    |
| Conflicting Peds, #/hr   | 0    | 0    | 0    | 0    | 0    | 0    |
| Sign Control             | Free | Free | Free | Free | Stop | Stop |
| RT Channelized           | -    | None | -    | None | -    | None |
| Storage Length           | -    | -    | -    | 100  | -    | 0    |
| Veh in Median Storage, # | -    | 0    | 0    | -    | 0    | -    |
| Grade, %                 | -    | 0    | 0    | -    | 0    | -    |
| Peak Hour Factor         | 95   | 95   | 93   | 93   | 90   | 90   |
| Heavy Vehicles, %        | 2    | 2    | 3    | 3    | 2    | 2    |
| Mvmt Flow                | 0    | 1193 | 2141 | 46   | 0    | 10   |

**Major/Minor**

|                      | Major1 | Major2 | Minor2 |
|----------------------|--------|--------|--------|
| Conflicting Flow All | -      | 0      | 0      |
| Stage 1              | -      | -      | -      |
| Stage 2              | -      | -      | -      |
| Critical Hdwy        | -      | -      | 6.94   |
| Critical Hdwy Stg 1  | -      | -      | -      |
| Critical Hdwy Stg 2  | -      | -      | -      |
| Follow-up Hdwy       | -      | -      | 3.32   |
| Pot Cap-1 Maneuver   | 0      | -      | 0      |
| Stage 1              | 0      | -      | 0      |
| Stage 2              | 0      | -      | 0      |
| Platoon blocked, %   | -      | -      | -      |
| Mov Cap-1 Maneuver   | -      | -      | 217    |
| Mov Cap-2 Maneuver   | -      | -      | -      |
| Stage 1              | -      | -      | -      |
| Stage 2              | -      | -      | -      |

**Approach**

|                      | EB | WB | SB   |
|----------------------|----|----|------|
| HCM Control Delay, s | 0  | 0  | 22.4 |
| HCM LOS              |    |    | C    |

**Minor Lane/Major Mvmt**

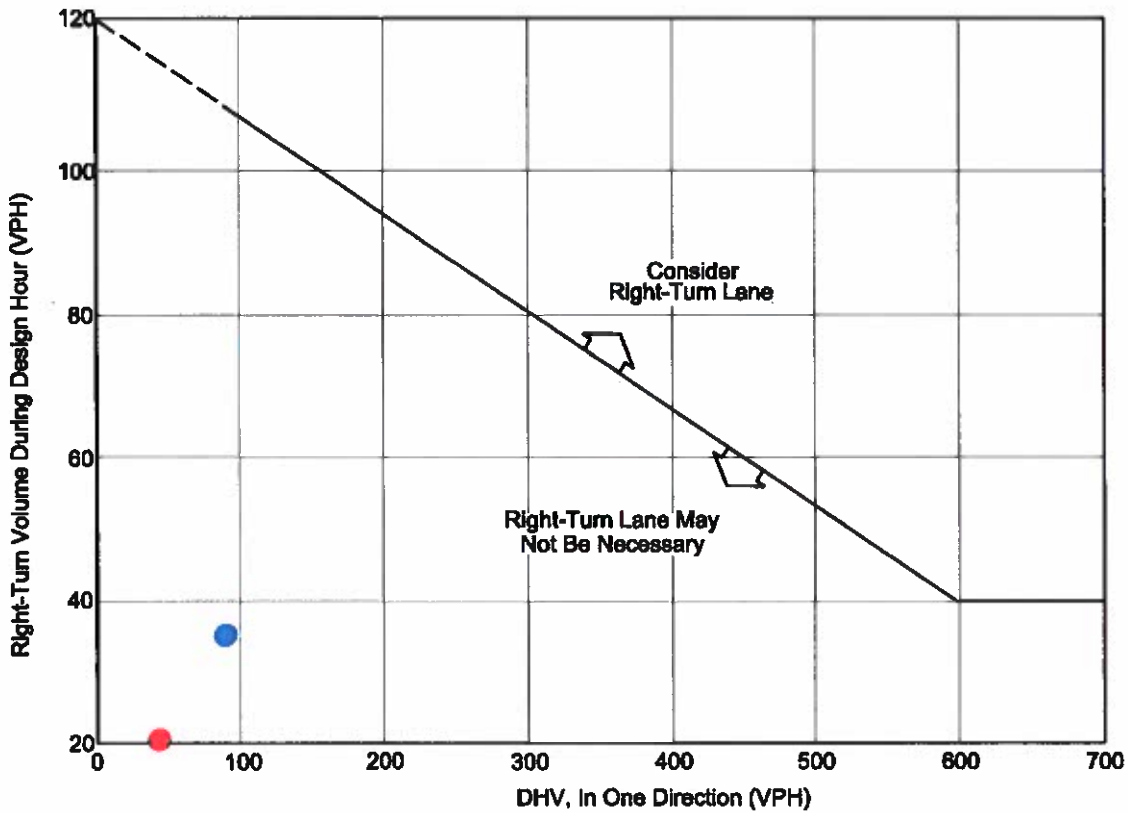
|                       | EBT | WBT | WBR | SBLn1 |
|-----------------------|-----|-----|-----|-------|
| Capacity (veh/h)      | -   | -   | -   | 217   |
| HCM Lane V/C Ratio    | -   | -   | -   | 0.046 |
| HCM Control Delay (s) | -   | -   | -   | 22.4  |
| HCM Lane LOS          | -   | -   | -   | C     |
| HCM 95th %tile Q(veh) | -   | -   | -   | 0.1   |

# US 278 RESIDENTIAL DEVELOPMENT BRICKYARD ROAD AT BRICKYARD POINTE

9.5-2

INTERSECTIONS

March 2017



*Note: For highways with a design speed below 50 miles per hour with a DHV < 300 and where right turns > 40, an adjustment should be used. To read the vertical axis of the chart, subtract 20 from the actual number of right turns.*

**Example**

|               |              |   |                       |                |
|---------------|--------------|---|-----------------------|----------------|
|               |              |   | ✗                     | ✗              |
|               |              |   | ● AM Peak Hour        | ● PM Peak Hour |
| <b>Given:</b> | Design Speed | = | 35 miles per hour     | Speed = 35 mph |
|               | DHV          | = | 250 vehicles per hour | Speed = 35 mph |
|               | Right Turns  | = | 100 vehicles per hour | DHV = 47       |
|               |              |   |                       | DHV = 89       |

|                 |  |             |              |
|-----------------|--|-------------|--------------|
| <b>Problem:</b> | Determine if a right-turn lane is necessary. | R-Turns = 9 | R-Turns = 34 |
|-----------------|--|-------------|--------------|

**Solution:** To read the vertical axis, use  $100 - 20 = 80$  vehicles per hour. The figure indicates that a right-turn lane is not necessary, unless other factors (e.g., high crash rate) indicate a lane is needed.

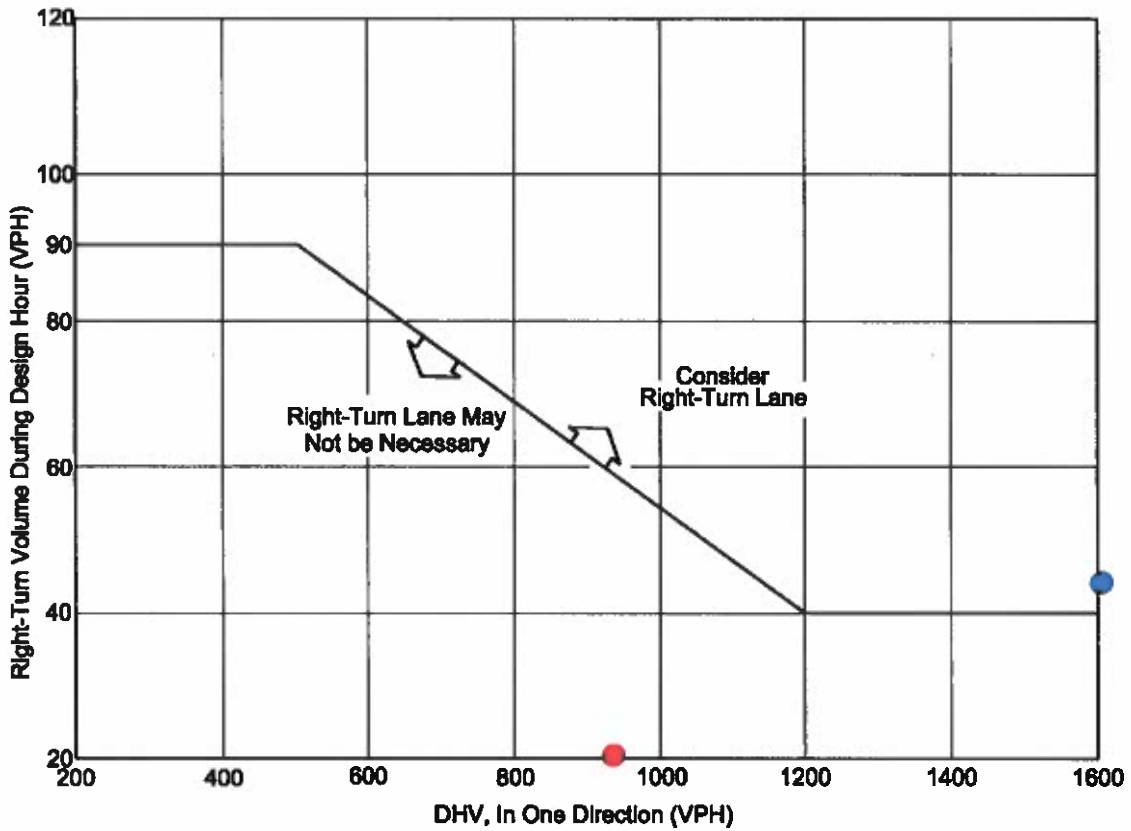
**GUIDELINES FOR RIGHT-TURN LANES AT UNSIGNALIZED INTERSECTIONS  
ON TWO-LANE HIGHWAYS  
Figure 9.5-A**

US 278 RESIDENTIAL DEVELOPMENT  
 US 278 AT SITE ACCESS #1

March 2017

INTERSECTIONS

9.5-3



Note: Figure is only applicable on highways with a design speed of 50 miles per hour or greater.

|                |                |
|----------------|----------------|
| ✗              | ✓              |
| ● AM Peak Hour | ● PM Peak Hour |
| Speed = 60 mph | Speed = 60 mph |
| DHV = 915      | DHV = 2,034    |
| R-Turns = 13   | R-Turns = 43   |

**GUIDELINES FOR RIGHT-TURN LANES AT UNSIGNALIZED INTERSECTIONS  
 ON FOUR-LANE HIGHWAYS**  
 Figure 9.5-B

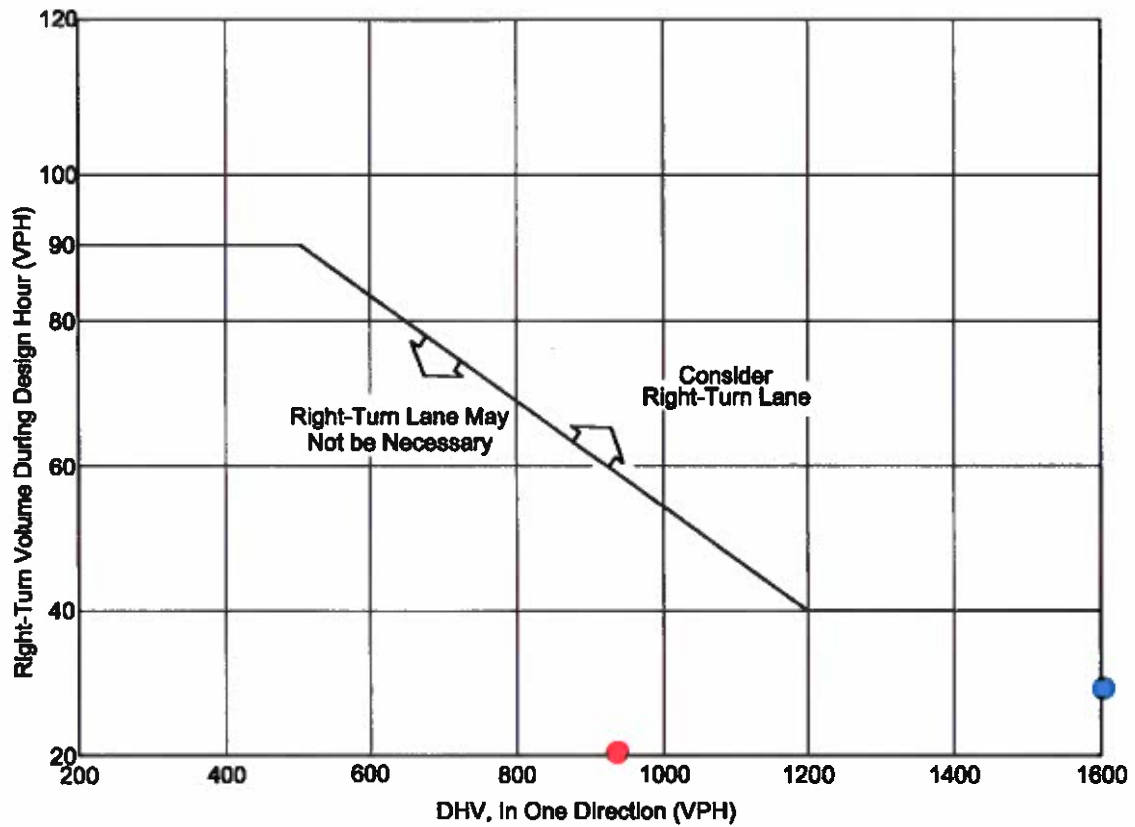
# US 278 RESIDENTIAL DEVELOPMENT

## US 278 AT SITE ACCESS #2

March 2017

INTERSECTIONS

9.5-3



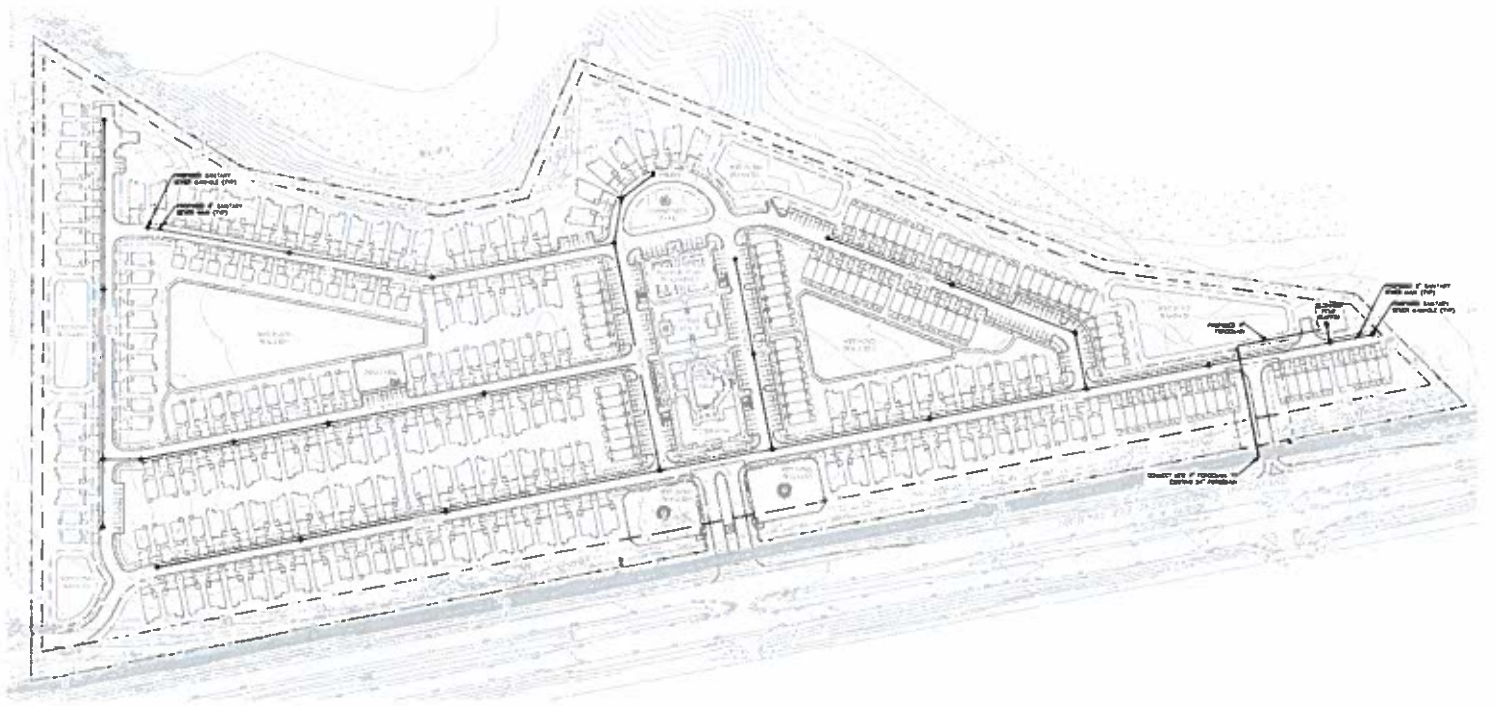
*Note: Figure is only applicable on highways with a design speed of 50 miles per hour or greater.*

|                |                |
|----------------|----------------|
| ✗              | ✗              |
| ● AM Peak Hour | ● PM Peak Hour |
| Speed = 60 mph | Speed = 60 mph |
| DHV = 915      | DHV = 2,000    |
| R-Turns = 9    | R-Turns = 29   |

**GUIDELINES FOR RIGHT-TURN LANES AT UNSIGNALIZED INTERSECTIONS  
ON FOUR-LANE HIGHWAYS**  
Figure 9.5-B

EXHIBIT K:

**PRELIMINARY SANITARY SEWER SYSTEMS  
MASTER PLAN, WATER SYSTEMS MASTER  
PLAN, AND STORMWATER DRAINAGE  
MASTER PLAN**





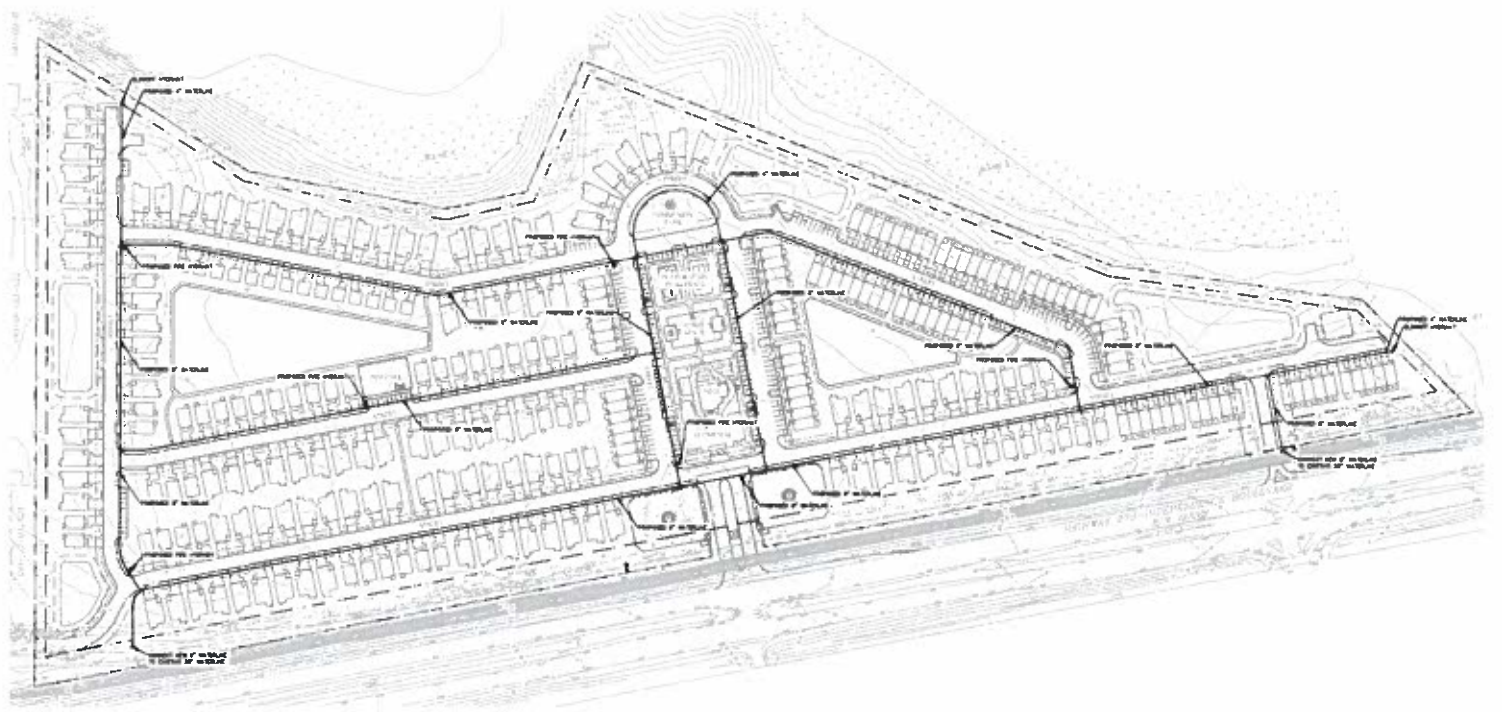




EXHIBIT L:  
**PRELIMINARY AGENCY COMMENTS**

**EXHIBIT L**  
**PRELIMINARY AGENCY COMMENTS**

Included are the following:

- 1. Jasper County School District**
  - a. Letter to Superintendent Rachel Anderson dated, September 7, 2022**
  - b. Email with introductory project information to Superintendent Rechel Anderson dated, September 7, 2022**
  - c. Email with introductory project information to Executive Assistant to Superintendent Anderson, Ms. Laura Wright dated, September 7, 2022, including note of telephone conversation with Ms. Wright on September 9, 2022**
  
- 2. Jasper County Emergency Services**
  - a. Letter to Chief Russell Wells dated, September 7, 2022**
  - b. Email with introductory project information to Chief Russell Wells dated, September 7, 2022**
  - c. Follow up email to Chief Russell Wells requesting comments dated September 16, 2022**
  - d. Email from Chief Russell Wells with “no objection” comment dated, September 19, 2022**
  
- 3. South Carolina Department of Transportation**
  - a. Email from Joshua Johnson, PE, PTOE, District Traffic Engineer, SCDOT District 6, dated, July 7, 2022, approving CSP Project Traffic Impact Analysis**
  
- 4. South Carolina Department of Health and Environmental Control**
  - a. Carolina Engineering Consultants letter dated, September 16, 2022, to SCDHEC-OCRM providing exhibits and requesting comments**
  
- 5. Office of Ocean and Coastal Resource Management**
  - a. Carolina Engineering Consultants letter dated, September 16, 2022, to SCDHEC-OCRM providing exhibits and requesting comments**
  
- 6. US Army Corps of Engineers**
  - a. Letter requesting confirmation of wetlands determination dated, December 17, 2021**
  - b. Email from US Army Corps of Engineers, Charleston District dated, June 16, 2022, confirming receipt of JD Determination application**

NOTE: Referenced attachments and exhibits in the above letters and correspondence are not included in this Exhibit L. All such information materials provided to recipients are exact materials that make up this Master Plan application.

## Exhibit L - Item 1.a



September 7, 2022

Ms. Rechel Anderson  
Superintendent  
Jasper County School District  
10942 N. Jacob Smart Blvd  
Ridgeland, SC 29936

**BY ELECTRONIC MAIL 09.07.22 VIA JCSD Web Mail System**

RE: Master Plan Application Comments  
CSP Development - Property Tax Map Number 041-00-03-030

Dear Superintendent Anderson:

My firm, Conduit Street Partners, LLC, is an applicant for a Master Plan approval from the Jasper County Planning Commission as required in accordance with Section 8:1.10 of Article 8: SPECIAL PURPOSE DISTRICTS of the JASPER COUNTY ZONING ORDINANCE. Specifically, and following the June 27, 2022 approval of the rezoning of my property to PDD and the approval of its Concept Land Use Plan, per §8:1.10, ¶10 (copy attached) I am required to seek preliminary comments, if any, from various named agencies including but not limited to Jasper County School District. Thus, this letter to you and the school district. My Master Plan represents a 275-unit residential community comprised of single family detached and single family attached (town houses) to be developed on 38.8 acres on what is now unimproved, forested land with approximately 2,700 feet of frontage on the north side of US 278 immediately to the west of Hilton Head Lakes North. For your ease of reference, I have attached the following:

1. Property Aerial
2. Master Plan
3. The above referenced zoning article §8:1.10, ¶10

I have reached out to you in regard to this matter at the suggestion of Ms. Lisa Wagner, Director of Planning and Building Services. If you have any questions or comments, please feel free to contact me by phone (410-703-0896) and/or by email ([pzadoretzky@oapartners.com](mailto:pzadoretzky@oapartners.com)). Your cooperation in this matter is much appreciated.

Regards,  
Conduit Street Partners, LLC



Peter Zadoretzky  
Co-Managing Member

### Attachments

1. Vicinity Map
2. Copy of Master Plan
3. Copy of Section 8:1.10 Master Plan

## Exhibit L - Item 1.b

**From:** [do-not-reply](#)  
**To:** [pzadoretzky@oapartners.com](mailto:pzadoretzky@oapartners.com)  
**Subject:** Your message to Rechel Anderson  
**Date:** Wednesday, September 7, 2022 5:31:53 PM

---

**Here is a copy of your email:**

---

**From:** Peter Zadoretzky <[pzadoretzky@oapartners.com](mailto:pzadoretzky@oapartners.com)>  
**To:** Rechel Anderson  
**Subject:** Introduction of Residential Community in Jasper County

I am being referred to you by Ms. Lisa Wagner, Dir of Planning and Building Services, Jasper County. I am seeking Master Plan approval from Jasper County and am required to seek comments from related agencies including but not limited to Jasper County School District. I am providing a link to my materials which I hope you find self explanatory. My contact information is provided in the linked materials. Your cooperation in this matter is appreciated.  
<https://www.dropbox.com/t/95Mck5YQVuAwR6KY>

This email was automatically sent by IP address 71.179.36.144 (computer id: 0.9339670484796199) on Wednesday, September 7, 2022 at 05:31 PM US/Eastern timezone.

This user has been authenticated with the following credentials from facebook: display name: Peter Zadoretzky; email: [pzadoretzky@oapartners.com](mailto:pzadoretzky@oapartners.com); ID: 2754056378060734.

## Exhibit L - Item 1.c

**From:** [do-not-reply](#)  
**To:** [pzadoretzky@oapartners.com](mailto:pzadoretzky@oapartners.com)  
**Subject:** Your message to Laura Wright  
**Date:** Wednesday, September 7, 2022 5:35:31 PM

---

Here is a copy of your email:

---

**From:** Peter Zadoretzky <[pzadoretzky@oapartners.com](mailto:pzadoretzky@oapartners.com)>  
**To:** Laura Wright  
**Subject:** Introduction of Residential Community in Jasper County

I sent the below message to Superintendent Anderson on this date, 9.7.22 and am copying you on same. "I am being referred to you by Ms. Lisa Wagner, Dir of Planning and Building Services, Jasper County. I am seeking Master Plan approval from Jasper County and am required to seek comments from related agencies including but not limited to Jasper County School District. I am providing a link to my materials which I hope you find self explanatory. My contact information is provided in the linked materials. Your cooperation in this matter is appreciated."  
<https://www.dropbox.com/t/95McK5YQVuAwR6KY>

This email was automatically sent by IP address 71.179.36.144 (computer id: 0.9339670484796199) on Wednesday, September 7, 2022 at 05:35 PM US/Eastern timezone.

This user has been authenticated with the following credentials from facebook: display name: Peter Zadoretzky; email: [pzadoretzky@oapartners.com](mailto:pzadoretzky@oapartners.com); ID: 2754056378060734.

**NOTE:** Ms. Laura Wright is the Executive Assistant to Superintendent Rechel Anderson. On Friday, September 9, 2022, Ms. Wright telephoned and spoke with Peter Zadoretzky about the proposed SFR Residential Community. Ms. Wright was informed of the project elements, housing types, rental vs. for sale program and other aspects of the proposed community. Mr. Zadoretzky responded to Ms. Wright's few questions after which the conversation ended.

## Exhibit L - Item 2.a



September 7, 2022

Russell Wells  
Director/Fire Chief  
P.O. Box 1509 Grays Hwy  
Ridgeland, SC 29936

BY ELECTRONIC MAIL 09.07.22 to [rwells@jaspercountysc.gov](mailto:rwells@jaspercountysc.gov)

RE: Master Plan Application Comments  
CSP Development - Property Tax Map Number 041-00-03-030

Dear Sir:

My firm, Conduit Street Partners, LLC, is an applicant for a Master Plan approval from the Jasper County Planning Commission as required in accordance with Section 8:1.10 of Article 8: SPECIAL PURPOSE DISTRICTS of the JASPER COUNTY ZONING ORDINANCE. Specifically, and following the June 27, 2022 approval of the rezoning of my property to PDD and the approval of its Concept Land Use Plan, per §8:1.10, ¶10 (copy attached) I am required to seek preliminary comments, if any, from various named agencies including but not limited to Jasper County Emergency Services. Thus, this letter to you and your department. My Master Plan represents a 275-unit residential community comprised of single family detached and single family attached (town houses) to be developed on 38.8 acres on what is now unimproved, forested land with approximately 2,700 feet of frontage on the north side of US 278 immediately to the west of Hilton Head Lakes North. It will be served by public water and sewer (BJWSA) and is already approved by SCDOT for two points of road connections to US 278 and one additional connection to Brickyard Road at Brickyard Road's existing western terminus. For your ease of reference, I have attached the following:

1. Property Aerial
2. Master Plan
3. Jasper County Fire Station and EMS Locations Exhibit
4. The above referenced zoning article §8:1.10, ¶10
5. BJWSA Distribution and Collection System Asset Map (existing water & sewer)
6. Fire Hydrant Pressure Test Results (for two hydrants fronting property)

I have reached out to you in regard to this matter at the suggestion of Ms. Lisa Wagner, Director of Planning and Building Services. If you have any questions or comments, please feel free to contact me by phone (410-703-0896) and/or by email ([pzadoretzky@oapartners.com](mailto:pzadoretzky@oapartners.com)). Your cooperation in this matter is much appreciated.

Regards,  
Conduit Street Partners, LLC



Peter Zadoretzky  
Co-Managing Member

### Attachments

1. Vicinity Map
2. Copy of Master Plan
3. Location and Trip Time Maps for Fire Stations 34 and 35
4. Copy of Section 8:1.10 Master Plan
5. BJWSA Water & Sewer GIS Map
6. Water Flow Test Results for Hydrants JC0176 & JC1389



## Exhibit L - Item 2.b

**From:** [Peter Zadoretzky](#)  
**To:** ["nwells@jaspercountysc.gov"](mailto:nwells@jaspercountysc.gov)  
**Subject:** Emailing: Chief Wells CSP Development Introductory Letter 09.07.22  
**Date:** Wednesday, September 7, 2022 4:45:00 PM  
**Attachments:** [Chief Wells CSP Development Introductory Letter 09.07.22.pdf](#)

---

Dear Chief Wells - at the suggestion of Ms. Lisa Wagner, Director of Planning and Building Services. I am reaching out to you to advise you that I am seeking Master Plan approval from the Jasper County Planning Commission for my proposed development of a new 275 unit residential community in Jasper County. I hope you find the attached letter and exhibits self-explanatory. If you have any questions or comments, please feel free to contact me directly by phone (410-703-0896) or by email ([pzadoretzky@oapartners.com](mailto:pzadoretzky@oapartners.com)). I thank you in advance for your cooperation in this matter.

Regards,

Conduit Street Partners, LLC

Peter Zadoretzky

Co-Managing Member

## Exhibit L - Item 2.c

**Peter Zadoretzky**

---

**From:** Peter Zadoretzky <pzadoretzky@oapartners.com>  
**Sent:** Thursday, September 15, 2022 1:38 PM  
**To:** 'rwells@jaspercountysc.gov'  
**Subject:** FW: Emailing: Chief Wells CSP Development Introductory Letter 09.07.22  
**Attachments:** Chief Wells CSP Development Introductory Letter 09.07.22.pdf

Dear Chief Wells - just want to follow up with you on the email about my project in Jasper County that I will be submitting to Jasper County on September 20th for purposes of seeking Planning Commission approval of its Master Plan on October 11th. When it is convenient for you we would appreciate receiving any comments from you on our project. Please feel free to call or email me. We look forward to hearing from you.

Regards,  
Conduit Street Partners, LLC  
Peter Zadoretzky  
Co-Managing Member

-----Original Message-----

**From:** Peter Zadoretzky <pzadoretzky@oapartners.com>  
**Sent:** Wednesday, September 7, 2022 4:45 PM  
**To:** 'rwells@jaspercountysc.gov' <rwells@jaspercountysc.gov>  
**Subject:** Emailing: Chief Wells CSP Development Introductory Letter 09.07.22

Dear Chief Wells - at the suggestion of Ms. Lisa Wagner, Director of Planning and Building Services, I am reaching out to you to advise you that I am seeking Master Plan approval from the Jasper County Planning Commission for my proposed development of a new 275 unit residential community in Jasper County. I hope you find the attached letter and exhibits self-explanatory. If you have any questions or comments, please feel free to contact me directly by phone (410-703-0896) or by email (pzadoretzky@oapartners.com). I thank you in advance for your cooperation in this matter.

Regards,  
Conduit Street Partners, LLC  
Peter Zadoretzky  
Co-Managing Member

## Exhibit L - Item 2.d

**From:** [Russell Wells](#)  
**To:** [Peter Zadoretzky](#)  
**Cc:** [Lisa Wagner](#); [Dave Scheuerer](#)  
**Subject:** RE: Emailing: Chief Wells CSP Development Introductory Letter 09.07.22  
**Date:** Monday, September 19, 2022 9:24:41 AM

---

Good morning Peter,  
Based solely on the information provided, we have **no objections** at present. Prior to plan approval we will need to review the adopted master site plan.

Sincerely,  
Russell W. Wells, Director  
Jasper County Emergency Services  
1509 Grays Hwy  
Ridgeland, SC 29936  
843-726-7607 - Office  
843-726-7966 - Fax  
843-263-1316 - Cell  
[rvells@jaspercountysc.gov](mailto:rvells@jaspercountysc.gov)

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-----Original Message-----

From: Peter Zadoretzky <[pzadoretzky@oapartners.com](mailto:pzadoretzky@oapartners.com)>  
Sent: Thursday, September 15, 2022 1:38 PM  
To: Russell Wells <[rvells@jaspercountysc.gov](mailto:rvells@jaspercountysc.gov)>  
Subject: FW: Emailing: Chief Wells CSP Development Introductory Letter 09.07.22

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Dear Chief Wells - just want to follow up with you on the email about my project in Jasper County that I will be submitting to Jasper County on September 20th for purposes of seeking Planning Commission approval of its Master Plan on October 11th. When it is convenient for you we would appreciate receiving any comments from you on our project. Please feel free to call or email me. We look forward to hearing from you.

Regards,

Conduit Street Partners, LLC  
Peter Zadoretzky  
Co-Managing Member

## Exhibit L - Item 3.a

**From:** [Johnson, Joshua A.](#)  
**To:** ["Jennifer Bihl"](#)  
**Cc:** [Peter Zadoretzky](#); [Jeff Ackerman](#); [Fleming, Juleigh B.](#); [Grooms, Robert W.](#); [Payne, Adam C.](#)  
**Subject:** RE: 278 Residential Development (Conduit Street Partners - Jasper County) Traffic Study - For Review  
**Date:** Thursday, July 7, 2022 2:32:38 PM  
**Attachments:** [220705\\_278 Residential TIA Report FINAL.pdf](#)

---

Jennifer,

The US 278 (Brickyard) Residential TIA is accepted with the proposed mitigation of westbound right-turn lanes into the site driveways on US 278. Additionally, as outlined in the scoping and eluded to in the TIA, the site driveway at Brickyard Rd will need to be realigned to a more traditional T intersection.

Please upload the TIA and this [approval email](#) with the encroachment application in EPPS.

Thank you,

**Josh Johnson, PE, PTOE**

District Traffic Engineer | SCDOT District 6

**From:** Jennifer Bihl <jennifer@bihl-engineering.com>  
**Sent:** Tuesday, July 5, 2022 4:48 PM  
**To:** Johnson, Joshua A. <JohnsonJA@scdot.org>  
**Cc:** Peter Zadoretzky <pzadoretzky@oapartners.com>; Jeff Ackerman <jeffa@carolinaengineering.com>  
**Subject:** 278 Residential Development (Conduit Street Partners - Jasper County) Traffic Study - For Review

**\*\*\* This is an EXTERNAL email. Please do not click on a link or open any attachments unless you are confident it is from a trusted source. \*\*\***

Josh,

I hope you had a great holiday weekend!

Please see attached traffic impact analysis for the 278 Residential Development (Conduit Street Partners - Jasper County) traffic study.

Let me know if you have any questions or comments.

Thanks,  
Jennifer

Jennifer T. Bihl, PE, PTOE, RSP21  
Bihl Engineering, LLC



**Exhibit L - Item 4.a**

**CAROLINA ENGINEERING  
CONSULTANTS, INC.**

P.O. Box 294  
Beaufort, SC 29901

(843) 322-0553  
(843) 322-0556 Fax

September 16, 2022

Ms. Pamela Winkler  
SCDHEC-OCRM  
1362 McMillian Ave. Suite 400  
Charleston, SC 29405  
Via Email: winklepd@dhec.sc.gov

**NOTE: Ms. Pamela Winkler is the responsible party for distribution of submittal materials to the appropriate parites/agencies at both SCDHEC and OCRM.**

RE: Proposed Residential Development  
Jasper County, SC  
J-2488

Dear Ms. Winkler:

Our client, Conduit Street Partners, LLC, is in the process of seeking Master Plan approval from Jasper County for a 38.48-acre tract of land located off of Highway 278. The Master Plan residential community would consist of 275 residential units and an amenity center among things.

Enclosed we have provided a Vicinity Map and the proposed Stormwater Master Plan for the project for your preliminary review and consideration. If you could please review these items and provide to us any comments that you might have and if so inclined an approval letter for the Stormwater Master Plan for our Jasper County Planned Unit Development (PUD) submittal it would be greatly appreciated.

If you have any questions or require any additional information, please do not hesitate to call or email. Your attention to this matter is greatly appreciated.

Sincerely,

Jeff H. Ackerman, P.E.  
President  
Carolina Engineering Consultants, Inc.

JPA/jpa  
Enclosures

cc: Mr. Peter Zadoretzky - Conduit Street Partners, LLC



**CAROLINA ENGINEERING  
CONSULTANTS, INC.**

**Exhibit L - Item 5.a**

P.O. Box 294  
Beaufort, SC 29901

(843) 322-0553  
(843) 322-0556 Fax

September 16, 2022

Ms. Pamela Winkler  
SCDHEC-OCRM  
1362 McMillian Ave. Suite 400  
Charleston, SC 29405  
Via Email: [winklepd@dhec.sc.gov](mailto:winklepd@dhec.sc.gov)

**NOTE: Ms. Pamela Winkler is the responsible party for distribution of submittal materials to the appropriate parites/agencies at both SCDHEC and OCRM.**

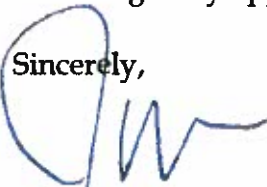
**RE: Proposed Residential Development  
Jasper County, SC  
J-2488**

Dear Ms. Winkler:

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Enclosed we have provided a Vicinity Map and the proposed Stormwater Master Plan for the project for your preliminary review and consideration. If you could please review these items and provide to us any comments that you might have and if so inclined an approval letter for the Stormwater Master Plan for our Jasper County Planned Unit Development (PUD) submittal it would be greatly appreciated.

If you have any questions or require any additional information, please do not hesitate to call or email. Your attention to this matter is greatly appreciated.

Sincerely,  


Jeff F. Ackerman, P.E.  
President  
Carolina Engineering Consultants, Inc.

JPA/jpa  
Enclosures

cc: Mr. Peter Zadoretzky - Conduit Street Partners, LLC

**Exhibit L - Item 6.a**



December 17, 2021

US Army Corps of Engineers  
Attn: JD Request  
Watershed Group 2 Manager  
69A Hagood Avenue  
Charleston, SC 29403-5107

**RE: Coleman Tract  
Beaufort County, South Carolina**

Dear Sir or Mam,

Reference is made to parcel in Jasper County, South Carolina. The wetland determination of this area has been completed by Newkirk Environmental, Inc. using methods outlined in the US Army Corps of Engineers Wetland Delineation Manual, 1987 and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region, November 2010.

Enclosed are copies of an accurate location map, an aerial photograph, Soil Survey, data sheets representing typical site conditions, a map depicting the data point locations, USGS topographic survey, NWI maps, survey plat and photographs of the site. Please review this information to verify the accuracy of Newkirk Environmental, Inc.'s preliminary determination.

Please do not hesitate to call if you have any questions regarding this project, if additional information is needed or to schedule a site visit.

Sincerely,

A handwritten signature in black ink that reads "Asher Howell". The signature is written in a cursive style.

Asher Howell, Senior Biologist  
Beaufort, South Carolina

Enclosures

## Exhibit L - Item 6.b

**Peter Zadoretzky**

---

**Subject:** FW: SAC-2022-00924 (Coleman Tract)



Asher Howell  
73 Sea Island Parkway, Suite 23  
Beaufort, SC 29907  
O – 843-470-1031  
M- 843-810-3447  
[asher@newkirkenv.com](mailto:asher@newkirkenv.com)

**From:** Peter Zadoretzky <[pzadoretzky@oapartners.com](mailto:pzadoretzky@oapartners.com)>  
**Sent:** Thursday, June 16, 2022 2:29 PM  
**To:** Asher Howell <[asher@newkirkenv.com](mailto:asher@newkirkenv.com)>  
**Subject:** RE: SAC-2022-00924 (Coleman Tract)

Thanks Asher.  
Peter

**From:** Asher Howell <[asher@newkirkenv.com](mailto:asher@newkirkenv.com)>  
**Sent:** Thursday, June 16, 2022 2:22 PM  
**To:** Peter Zadoretzky <[pzadoretzky@oapartners.com](mailto:pzadoretzky@oapartners.com)>  
**Subject:** FW: SAC-2022-00924 (Coleman Tract)

We are officially logged in this time.

Asher



Asher Howell  
73 Sea Island Parkway, Suite 23  
Beaufort, SC 29907  
O – 843-470-1031  
M- 843-810-3447  
[asher@newkirkenv.com](mailto:asher@newkirkenv.com)

**From:** SAC.RD.Charleston <[SAC.RD.Charleston@usace.army.mil](mailto:SAC.RD.Charleston@usace.army.mil)>  
**Sent:** Thursday, June 16, 2022 2:12 PM  
**To:** Asher Howell <[asher@newkirkenv.com](mailto:asher@newkirkenv.com)>  
**Cc:** Estill, Leslie A CIV USARMY CESAC (USA) <[Leslie.A.Estill@usace.army.mil](mailto:Leslie.A.Estill@usace.army.mil)>  
**Subject:** SAC-2022-00924 (Coleman Tract)



## Exhibit L - Item 6.b

Mr. Howell,

The Charleston District Corps of Engineers has received your application and the project has been assigned a project number and project manager:

|                  |                  |
|------------------|------------------|
| SAC Number:      | SAC-2022-00924   |
| Applicant:       | Peter Zadoretzky |
| Project name:    | Coleman Tract    |
| Project Manager: | Leslie Estill    |

Direct all future inquiries to your Project Manager by email [Leslie.A.Estill@usace.army.mil](mailto:Leslie.A.Estill@usace.army.mil) or (843) 329-8039. In all future correspondence concerning this matter, please refer to the file number above.

Additional information about the Charleston Regulatory Program can be found on our website:  
<https://www.sac.usace.army.mil/Missions/Regulatory/Permitting-Process/>

Thank you,

*Erin Leach-Ogden*

Regulatory Program Technician  
US Army Corps of Engineers, Charleston District  
843-329-8224  
[Erin.H.Leach-Ogden@usace.army.mil](mailto:Erin.H.Leach-Ogden@usace.army.mil)

Complete our Regulatory Service Survey at  
<https://regulatory.ops.usace.army.mil/customer-service-survey/>

EXHIBIT M:  
**PROJECT NARRATIVE, PHASING,  
SCHEDULE AND SITE STANDARDS**

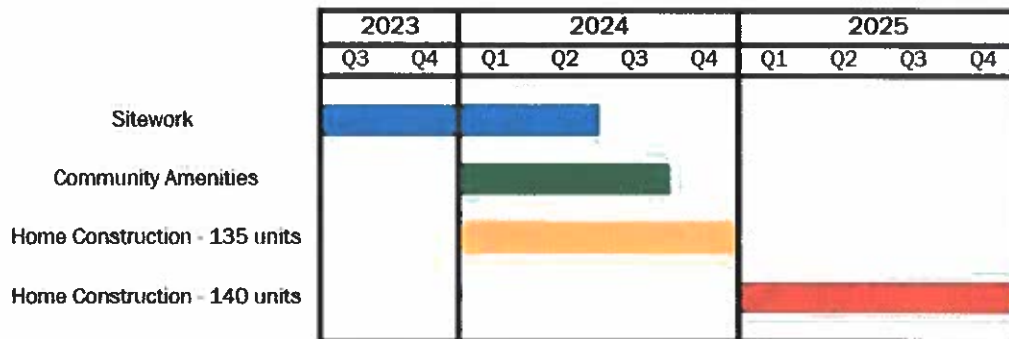
**EXHIBIT M  
CSP DEVELOPMENT  
MASTER PLAN NARRATIVE STATEMENT  
INCLUDING OWNERSHIP, SCHEDULE  
AND SITE PLANNING STANDARDS**

**GENERAL COMMUNITY DESCRIPTION, OWNERSHIP AND MAINTENANCE:**

The proposed CSP Development depicted in the attached Master Plan represents a residential, single family for rent (“SFR”) community which includes an appropriate and generous mix of amenities and house types. Most of the homes come with two (2) car garages and those homes that do not have garages are provided dedicated surface parking spaces either in front of or in close proximity to their homes. Unlike “for sale” residential communities, all the homes, amenities and infrastructure, net of public water and sewer, are owned, controlled, and maintained by the developer/owner or its successor. All these improvements are located on one large parcel owned by the developer/owner as there is no subdivision. There are no “house lots”. There is no HOA. There are no HOA fees. Residents will lease their homes the maintenance of which will be the responsibility of the developer/owner apart from damage due to the home, its elements, appliances, and components due to abuse or misuse by the lessee, their guests and/or invitees. Otherwise, and by way of example, the leaky roof, the misbehaving refrigerator, dishwasher, or other appliances, including the home’s HVAC repairs and major maintenance responsibilities, including the possible replacement of these things, are the responsibility of the developer/owner...including the payment of real estate taxes. The maintenance, replacement and repairs of all onsite roads, sidewalks, open spaces, landscaping, SWM facilities and amenities are also the responsibility of the developer/owner. Like multifamily rental complexes, the owner/developer at its cost will provide onsite 7 day/365 property management services to address the requirements of maintaining a safe and first-class property for its residents. In exchange naturally, the residents will pay rent and they will pay for their own utility expenses. It is the intent of ownership that these are long term rentals as is customary of contemporary SFR communities.

**PROPOSED PHASING AND TIME SCHEDULE:**

**CONCEPTUAL DEVELOPMENT SCHEDULE**



The above schedule is subject to change by the owner/developer and is not guaranteed.

**EXHIBIT M**  
**MASTER PLAN NARRATIVE STATEMENT**

**PROPOSED PHASING AND TIME SCHEDULE FOR LANDS TO BE DEDICATED FOR PUBLIC FACILITIES:**

The Master Plan does not presently anticipate any land being dedicated for public facilities save and except public utility easements and the like to accommodate installation of and access to public water and sewer infrastructure constructed on and within the community.

**PROPOSED INTERNAL SITE PLANNING STANDARDS:**

**A. Roads**

1. The CSP Development shall have on-site roads designed and constructed to the standards of the Jasper County Land Development Regulations or other engineering standards reasonably acceptable to the Jasper County Engineer.
2. Roadway construction within SCDOT right-of-way's will be in accordance with SCDOT standards. This will principally be required at roadway connections as approved by SCDOT to US 278 and Brickyard Road.
3. All onsite roads shall be privately owned and maintained.
4. The typical interior roadway cross section shall consist of a 24' wide asphalt paved travel way with concrete curb and gutter and 5' wide sidewalks each side.
5. The CSP Development shall meet or exceed the minimum allowable post development tree coverage requirements of Jasper County.

**B. House Placement**

1. There is not a subdivision of the property and consequently there are no "house lots". Homes will be located on un-platted sites. Therefore, the following proposed standards shall be utilized in the positioning and orientation of homes within the community:
  - a. Front setbacks from edge of sidewalk shall be a minimum of 22' for garage units
  - b. Front setbacks from edge of sidewalk shall be a minimum of 7' for non-garage SFA units
  - c. Separation between single family detached homes shall be 10' or as otherwise required by the Jaser County Fire Marshal
  - d. Backyards shall be a minimum of 15'

**C. Buffers**

1. Perimeter buffers along the property boundaries to the east, west, and to the north of the community (adjacent properties to east and north are jurisdictional wetlands and/or flood plains) shall be 20 feet at a minimum. See the proposed Master Plan for perimeter buffers.
2. A minimum 50' wide buffer measured from and parallel to the US 278 ROW shall be established pursuant to and in accordance with **8:5.3 Highway Buffer** of the Zoning ordinance.
3. Except as specifically excluded within the US 278 corridor buffer area, allowable uses in buffer areas shall include but not necessarily be limited to:
  - a. Underground utilities
  - b. Stormwater management facilities
  - c. Boardwalks
  - d. Trails

**EXHIBIT M**  
**MASTER PLAN NARRATIVE STATEMENT**

- e. Bicycle trails
- f. Bridges
- g. Exercise stations
- h. Park improvements, i.e., benches, tables, shelters, fire pits, BBQ facilities, landscaping, gardens, and similar improvements

**EXHIBIT N:  
LETTERS OF CAPABILITY AND  
INTENT TO SERVE**

**EXHIBIT N**  
**AVAILABILITY TO SERVE LETTERS**  
**CSP DEVELOPMENT**

**Included are:**

- 1. BJWSA Availability to Serve - 1 of 4**
- 2. Dominion Energy - 2 of 4**
- 3. Palmetto Electric Cooperative, Inc. - 3 of 4**
- 4. Hargray Communications Group, Inc. - 4 of 4**

BJWSA AVAILABILITY TO SERVE LETTER

1000 OKATIE ROAD, OKATIE, SC 29909-3937  
Phone 843.987.8100 | Fax 843.548.0096  
Customer Service 843.987.9200  
Operations & Maintenance 843.987.8046  
Engineering 843.987.8065  
[www.bjwsa.org](http://www.bjwsa.org)



*Our mission: Inspire trust and enhance public health*

JOE MANTUA, PE, GENERAL MANAGER

January 14, 2022

Peter Zadoretzky  
OA Partners, LLC  
Conduit Street Partners, LLC  
59 Franklin Street  
Annapolis, MD 21401

Via email: [pzadoretzky@oapartners.com](mailto:pzadoretzky@oapartners.com)

Subject: Water and Sewer Availability – Independence Boulevard, PIN 041-00-03-030.

Dear Ms. Zadoretzky,

This letter is in response to the water and sewer availability request for the above referenced parcel. Water is available from BJWSA's existing 30" water main on Independence Boulevard. Gravity sewer is not currently available; however, there is a 24" wastewater force main located within the Independence Boulevard right of way. Sewer would require a pump station to be installed at the owner/developer's expense. Please be advised, depending on the amount of water and sewer capacity required to serve the development, the developer may be responsible for offsite improvements or upgrades to the existing system.

If or when your client wishes to proceed with this development, design drawings and calculations must be submitted to BJWSA's Engineering Department for review and approval. Upon approval, capacity and project fees will be determined based on the information provided. These fees must be paid in full before a capacity commitment can be issued or a pre-construction meeting may be held. If construction on the proposed water and sewer systems has not started within twelve (12) months from the date of this letter, this availability will be invalid.

Should you have questions or require additional information, please contact me at 843-987-8082 or [james.clardy@bjwsa.org](mailto:james.clardy@bjwsa.org).

Sincerely,

James Clardy  
Development Projects Manager

JBC/mya

JAMES E. BAKER, JR  
CHAIR

GREGORY A. PADGETT  
VICE CHAIR

DONNA L. ALTMAN  
SECRETARY/TREASURER

MICHAEL L. BELL  
IMMEDIATE PAST CHAIR

LORRAINE W. BOND  
R. THAYER RIVERS, JR

BRANDY M. GRAY  
GERALD H. SCHULZE

ANDERSON M. KINGHORN, JR  
WILLIAM SINGLETON, Ed.D

J. ROBERT McFEE, PE





**EXHIBIT N  
2 OF 4  
DOMINION AVAILABILITY TO  
SERVE LETTER**

**Natural Gas Letter of Availability**

1/13/2022

CSP Development  
Single Family Rental Community  
U.S. 278  
Hardeeville, SC 29927

I am pleased to inform you that Dominion Energy South Carolina will be able to provide natural gas service to the above referenced. Natural gas service can be provided in accordance with Dominion Energy's General Terms and Conditions, other documents on file with the South Carolina Public Service Commission, and the company's standard operating policies and procedures. In order to begin the design process for the project, the following information will need to be provided:

1. Site Plan / Cad File / PDF
2. Natural Gas load breakdown by anticipated appliance type with desired metering locations.
3. Estimated wanted by date for gas line installation

Thank you in advance for this information and I look forward to working with your company.

For more information or questions, don't hesitate to contact me.

Sincerely,

*Jake Baker*

**Account Manager III – Natural Gas  
Dominion Energy South Carolina**

**81 May River Rd. Bluffton, SC 29910  
P (843) 576-8911 • M (843) 412-5178**

[jake.baker@dominionenergy.com](mailto:jake.baker@dominionenergy.com)

EXHIBIT N  
3 OF 4  
PALMETTO AVAILABILITY TO SERVE LETTER



1 Cooperative Way

Hardeeville, SC 29927

843-208-5551

January 14, 2022

Peter Zadoretzky  
pzadoretzky@oapartners.com  
OA Partners, LLC  
Conduit Street Partners, LLC  
59 Franklin Street  
Annapolis, MD 21401

Re: CSP Development

Dear Peter:

Palmetto Electric Cooperative, Inc. ("PECI") has ample power available to serve the above-referenced project with existing infrastructure. There may be "Aid-in-Construction" charges for line extensions or special grades of service as described in PECI policies. A redline drawing will be provided when the electrical load requirements and a detailed CAD drawing have been received.

Thank you for your cooperation in this matter. Please contact me at (843) 208-5508 or via email TBrabham@palmetto.coop if you have any questions or if I may be of further assistance.

Sincerely,  
**PALMETTO ELECTRIC COOPERATIVE, INC.**

A handwritten signature in blue ink, appearing to read "John A. Brabham", with a long horizontal flourish extending to the right.

John A. Brabham  
Distribution Engineer

JAB:mhl

c: Mr. Matt Loxley, PECI  
Mr. Corey Tuten, PECI  
Mr. Tim Hutchinson, PECI



**EXHIBIT N**  
**4 OF 4**  
**HARGRAY AVAILABILITY TO SERVE LETTER**



January 14, 2022

Peter Zadoretzky  
Conduit Street Partners, LLC  
50 Franklin Street  
Annapolis, MD 21401

Dear Mr. Zadoretzky:

Subject: Letter of Availability to provide service for: **CSP Development Independence Blvd  
Jasper County Pin 041-00-03-030**

Hargray engineering services has reviewed the master plan for the above referenced project. This Letter of Availability is to report that Hargray can provide telecommunications service to the above referenced project. We request that you forward a digital copy of the plan that has been approved by the county or town for use with Micro station or AutoCAD. Our office will include the owner/developer conduit requirements on the plan and return it to your office.

**By accepting this Letter of Availability, you accept the responsibility to forward the construction requirements listed on the Project Application Form to the owner/developer.**

Where conduits are to be placed in commercial or subdivision areas the pipes are required to extend 5' (five feet) beyond any placed or planned curbed or sidewalk edge for facility access away from the roadside.

Should there be any changes or additions to the original master plan, this Letter of Availability will only cover areas shown on the original master plan. All changes or additions will require another Letter of Availability. All costs incurred by Hargray resulting from any requested change or failure to comply with minimum requirements shall be borne by the Developer.

**Commercial projects require a pre-construction meeting with Hargray to review requirements. Non-recurring charges to offset construction costs may apply to certain projects. Easements are required prior to installing facilities for the project.**

I am available to discuss these requirements at your convenience.

Sincerely,

*Rodney Cannon*

Rodney Cannon  
Manager, Facilities Engineering  
843-815-1697

EXHIBIT O:  
**STATEMENT OF CHARACTER AND  
RATIONALE OF MASTER PLAN**

**EXHIBIT O**  
**STATEMENT OF CHARACTER & RATIONALE**  
**OF THE**  
**MASTER PLAN**

Single family rental homes have been an important part of the US rental housing market for decades. Individual investors have long owned houses they rent to a wide variety of tenants, including families, unrelated groups, and renters by choice. Single family rentals make up about 39% of the overall US rental housing inventory, with multifamily apartments composing 58% and manufactured housing accounting for 3%. The majority of single-family rental stock is more than 40 years old, with relatively little constructed over the past ten or more years. Institutional investment in single family rental homes began to grow following the end of the global financial crisis of 2008 to 2012 period where investors started to purchase deeply discounted houses to rent out. But these homes at those times were mostly scattered across many metro areas, which made the managing of these rental houses inefficient and uneconomical not to mention that there wasn't anything in the way of standards in terms of product types, layouts, appliances, and systems. During and immediately following the end of the global financial crisis of that time single family rental homes were purchased mostly on a one-off basis by investors in a variety of ways including purchasing homes on the open market, through foreclosures, and in bulk sales. And naturally most of these acquisitions were made in areas where the housing bust was the greatest including areas such as Phoenix, Atlanta, and in many other similar markets. Although these investors used the scattered site approach, they ultimately began to shift towards purpose-built single-family rental communities.

With the shift to single family rental ("SFR") communities, which are also generally referred to as build-to-rent ("BTR") communities, investors/owners maximized efficiency and cost control by virtue of control over design, materials, home systems, etc., which also led to lower operating and maintenance costs over time. In addition, the single-family rental communities could mirror "for sale" residential communities in the way of types of homes including single family detached as well as attached townhouse style homes. Furthermore, these homes do include garages, off street parking and private and individual outdoor spaces associated with each home unlike your customary and traditional apartment building complexes. Historically single-family rental communities provide more amenities and space in comparison to their apartment complex competitors resulting in a higher level of quality of life for their residents as well as lower turnover rates and vacancy rates especially in comparison to apartment rates.

Single family rental communities, especially the community in connection with this master plan application, will appeal to a wide range of tenants including but not limited to young families, empty nesters, temporary residents, and workers that otherwise cannot afford to purchase a home in proximity to their places of employment in the greater Beaufort County and Jasper County areas. The CSP SINGLE FAMILY RESIDENTIAL RENTAL COMMUNITY shall provide a viable

## EXHIBIT O

alternative to “for sale” and “multifamily” complexes by providing a variety of thoughtfully designed and constructed homes with front and back yards, driveways and sidewalks, garages, parks and a full range of amenities and generous amounts of open space in addition to the quality professional management and operational services provided by its owner.