

PART 2 – PLANNED COMMERCIAL AND OFFICE DISTRICT (PCD)

APPLICATION FOR AMENDMENTS

Application

DEVELOPMENT PLAN TEXT

PCD-Planned Commercial and Office District

EXHIBITS:

TAB 1

• EX. A-1: Surrounding Property Owners

TAB 2

- EX. B-1: Legal Description
- EX. B-2: Survey

TAB 3

- EX. C-1: Preliminary Overall Development Plan
- EX. C-2: Preliminary Development Plan: Subarea 'A'
- EX. C-2.1: Preliminary Development Plan: Subarea 'A'
- EX. C-3: Preliminary Development Plan: Subarea 'B'
- EX. C-3.1 : Preliminary Development Plan: Subarea 'B'
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- EX. C-6: Net Developable Plan
- EX. C-7: Illustrative Plan
- EX. C-8: Landscape and Amenity Character
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TAB 4

- EX. D-1 : Overall Landscape Plan
- EX. D-2: Landscape Plan: Subarea 'A'
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TAB 5

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- EX. E-5: Columbia Gas Letter
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TAB 6

• EX. F-1: Bank Letter

TAB 7

- EX. G-1: Sample Architectural Elevation Subarea 'A'
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www.berlintwp.us

BERLIN TWP. ZONING OFFICE 3271 CHESHIRE ROAD DELAWARE, OH 43015 740.548.5217 – PHONE / 740.548.7458 – FAX

| | Date |
|---------|----------|
| | BZC# |
| Fee: \$ | Rec# |
| Hearin | ng Date: |

APPLICATION FOR PRELIMINARY DEVELOPMENT REZONING PLAN (Resolution to Amend Berlin Township Zoning Text)

INCOMPLETE APPLICATIONS WILL NOT BE PROCESSED

REQUIREMENTS FOR THE COMPLETE APPLICATION FOR HEARING BY THE BERLIN TOWNSHIP ZONING COMMISSION (BZC)

Original completed application form, dated, and signed by the owner or lessee.

All fees **must** be paid in full when application is presented, and are non-refundable, \$500.00 plus \$200.00 per acre, maximum charge of 500 acres. If there should be a **THIRD** hearing due to applicant's request and/or negligence there will be an additional fee of \$600.00. Also, 2nd review of a 2-step process will require a payment of an additional \$600.00 fee before the scheduled meeting.

A **certified** real estate tax mailing address list of current property owners within 200 feet of subject property obtained from **Delaware County Auditors Office**, with mailing addresses and two sets of mailing labels, including applicant and/or applicant's representative.

THESE ITEMS MUST BE PRESENTED WITH THE APPLICATION:

A survey plat signed by a registered Ohio Surveyor showing:

1. Legal Description of the property,

2. Plat Plan of the parcel to scale, including:

- a.) Area of property including, streets, roadways and parking, and
- b.) Placement of all existing & proposed buildings,
- 3. The lot number and/or street address
- 4. Topographical map

In addition, the survey plat and/or application must include the following as specified in the Berlin Township Zoning Resolution:

5. All setback and frontage dimensions, Article 24.

6. Architectural design criteria for all structures and criteria for proposed signs, with proposed control procedures, Article 25.

7. Landscape Plan, in accordance with the Berlin Township Zoning Resolution, Article 26.

Note: Need text describing design features/standards.

Other requirements to be submitted are as follows:

- 8. Location of schools, parks and other public facility sites, within one (1) mile,
- **9**. Ability to post bond or an irrevocable letter of credit if the plan is approved assuring completion of public service facilities to be constructed within the project by the developer.

10. The proposed time schedule for development of the site including streets, buildings, utilities and other facilities,

11. If the proposed timetable for development includes developing the land in phases, all phases developed after the first, which in no event shall be less than five (5) acres or the whole tract (whichever is smaller), shall be fully described in

textual form in a manner calculated to give Township official's definitive quidelines for approval of future phases.

Include the following original letters if applicable:

Letter approving agent for owner if applicable

Letter from the Del-Co. Water Company attesting to water availability.

Letter from Gas Company attesting to gas availability (if applicable).

Letter from the Delaware County Sanitary Engineer attesting to sewer capability or Letter from the Delaware County Health Department attesting to septic feasibility.

Letter from Ohio Department of Transportation (O.D.O.T) or a registered engineer, addressing traffic issues.

Letter from Berlin Township Fire Chief addressing protective service issues they may have.

Letter from the Environmental Protection Agency (E.P.A).

Letter from the Delaware County Engineer. (should include county ditch/drainage plan).

All information concerning Model Homes, Signs, Landscaping, Lighting, and Parking, if applicable.

A drainage plan prepared by a registered engineer.

ALL TOWNSHIP DEVELOPMENT STANDARDS MUST BE ADDRESSED.

Refer to Article 24 of the Berlin Township Zoning Resolution.

PROVIDE AN ELECTRONIC COPY (CD) OF ALL DOCUMENTATION TO BE SUBMITTED.

TWENTY (20) COPIES OF ALL NECESSARY AND RELEVANT INFORMATION MUST BE SUBMITTED WITH THE APPLICATION.

TWIENTY (20) COPIES OF ALL AMENDMENTS OR REVISIONS MUST BE SUBMITTED AND AT LEAST 7 DAYS BEFORE ANY TABLING HEARING.

APPLICATIONS WILL ONLY BE PROCESSED WHEN THEY ARE 100% COMPLETE.

A MINIMUM OF THREE SIGNS SHALL BE PROVIDED BY APPLICANT.

Submit any questions to:

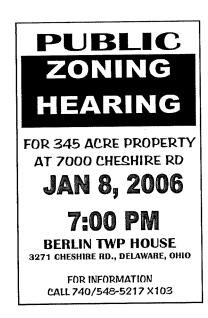
David Loveless
Berlin Township
Zoning Inspector
Phone: 740.548.5217 x103
Fax: 740.548.7458
zoninginspector@berlintwp.us

Addendum to BZC Checklist - Signs:

For proposed amendments to the Zoning District Map and/or the Comprehensive Land Use Map the applicant shall provide (3) three signs conforming to the following:

- (a) One sign shall be posted for each 500' of road frontage or at the discretion of the Zoning Inspector on the parcel in the area proposed in the amendment in a location visible from an adjacent street. One sign shall be posted on the corner of the township property located on the northwest corner of Lackey Old State and Cheshire Roads, and one sign shall be posted in front of the township hall.
- (b) The signs shall be two (2) feet by three (3) feet with letters not less than two (2) inches in height notifying the public of the location of the upcoming hearing and the affected parcel as well as a contact number for additional information.
- (c) The signs shall be posted continuously for at least fourteen (14) days prior to the date of the required public hearing and be removed within seven (7) days after board action.
- (d) The signs shall be posted by the applicant with the direction of the zoning inspector or be given to the zoning inspector for posting.

Example:





Berlin Township Fire Department 2708 Lackey Old State Road Delaware, Ohio 43015 (740) 548-6031

Fire Chief Adam Miller Lt. Steve Arnold, Fire Prevention

- 1) Entry into a subdivision/project development shall have 1 lane in and 2 lanes out. When required by Berlin Township FD there shall be at least 2 entry points into the subdivision/project development.
- 2) No Parking signage shall be on the Fire Hydrant side of the street. This signage shall meet the Delaware County Sheriff's office enforcement requirements.
- 3) There shall be a Fire Hydrant installed within the first 50' going into the project development.
- 4) After the first Fire Hydrant going into the project fire hydrants shall be installed every 300'-throughout the project development.
- Any street stubs or ending point shall have a fire hydrant installed at the end point. If determined by Berlin Township FD a flash hydrant is acceptable to be installed in the project development however once the street extension takes place a fire hydrant shall be installed in place of the flush hydrant at the developer's cost.
- The minimum water main size within any project development shall be at least 8" that shall flow a minimum 1000 GPM. Actual water main size for the project development shall be determined at plan review by Berlin Township Fire Department.
- 7) Cul-de-sac shall meet the turning radius per the Orange Twp. FD attachment of 48'
- 8) Berlin Twp. FD shall have access to all green space. The width of the hard surface shall be a minimum 6'. Berlin Township FD will determine hard service requirements.
- 9) Model homes shall have an EXIT sign non-illuminated in the Office area and a 5# ABC Fire Extinguisher.
- 10) To scale drawings shall be provided for all new and revised projects. The scale can be 1"=100' or 1/2"=100' for large projects.

This is not an all-inclusive list

Rev. 03/22

Article 17

Planned Commercial and Office District Oak Park

Proposed Zoning – PCD March 19, 2024

Section 17.06: Development Plans

- A.) Preliminary Development Plan **See Preliminary Development Plan Tab 3, Exhibit** C-1
 - 1.) The size and location of the proposed PCD district, at a scale of at least 1" = 200', showing topographic contours of at least 5' intervals, wooded areas, wetlands, adjacent (within 200') structures, 100 year floodplains.

The proposed size of the PCD is approximately ±27.6 acres. The site is located on the south side of Peachblow Road, and to the east of US 23. It is located in Subarea 7a – Proposed Planned Commercial, of the Berlin Township Comprehensive Plan. Refer to Tab 3, Exhibit C-1, for Preliminary Development Plan.

The PCD is divided into 2 subareas, Subarea 'A' is ± 19.4 acres, and Subarea 'B' is ± 8.2 acres.

Subarea 'A' shall be comprised of mixed-use buildings with garages for use by the residents indicated on the development plan. The primary buildings labeled 1 and 4 shall be comprised of up to 3 stories in height and contain apartment units only on all 3 floors. The Primary Buildings labeled 2 and 3 shall be up to 3 stories in height, and contain allowed commercial uses on the first floor, with apartment units allowed on floors 2 and 3. Building 3 shall contain an 8,000 s.f recreation facility that shall serve the occupants within Oak Park and surroundings, located at the southern wing of the building. See Tab 3, Exhibits C-2 & C-2.1

Subarea 'B' shall be comprised of up to 3 out lots to the west, with a specialty retail grocer and/or retail shops to the east. See Tab 3, Exhibits C-3 & C-3.1

2.) Conceptual architectural elevations for all structures and signs.

The following architectural design and building construction requirements shall apply to the commercial parcels.

Building Design:

Buildings and structures shall be designed to enhance both areas within and surrounding the development, giving due regard to building footprints, building orientation, massing, roof shape, pitch, and exterior materials. Buildings shall also have architectural features, finishes, and patterns that provide visual interest and contribute to the pedestrian scale.

Building facades shall incorporate a repeating pattern that includes color, texture, and material changes. Expression of architectural or structural bay through a change in plane is recommended. Recommended expressions include offsets, reveals, and recessed flat arches.

Buildings for all uses shall be designed to be seen from three hundred sixty degrees (360°) and have the same caliber of finish on all elevations. Building additions and accessory structures, whether attached or detached, shall be of similar design, materials, and construction to that of the existing principal structure.

Building Materials and Design Elements:

Facades shall be articulated to provide visual interest that will be consistent with the Township, community character, and scale. The intent is to encourage development incorporating high quality materials and a pedestrian friendly scale to contribute to and identify an overall theme.

Blank walls shall not be permitted. Where expanses of solid walls are necessary, they may not exceed twenty (20) feet in length and may not exceed fourteen (14) in height. Ground floor facades that face public streets or parking areas should have display windows, awnings, verandas, entry areas, or other such elements incorporated into their design. There shall be a minimum of three (3) design elements for every one hundred (100) feet of elevation facing a public right-of-way and a minimum of two (2) design elements for every one hundred (100) feet of each side and rear elevation that does not front on a public right-of-way. Design elements shall include:

- a) Wood columns of sufficient width.
- b) A door at least twenty-eight (28) square feet in area with portico/covered entry
- c) A window of at least six (6) square feet in area. Windows closer than ten (10) square feet shall be considered one (1) element.
- d) Cupola
- e) Masonry water table
- f) Trellis containing plants.
- g) Patio, deck, or other similar features
- h) Balconies that project no more than two feet into the minimum setback and have a minimum clearance of ten (10) feet from grade.

i) Works of art, fountains and pools, street furniture, landscaping and garden areas that are properly integrated into the streetscape, and other similar significant permanent architectural features consistent with the overall theme may be approved by the Township.

Entryway design elements and variations should give orientation and aesthetically pleasing character and pedestrian scale to the building. Each principal building shall have a highly visible customer entrance featuring architectural elements, which may include the following.

- a) Overhangs
- b) Recesses and projections
- c) Verandas
- d) Arches
- e) Landscaped areas with places for pedestrian seating
- f) Architectural details such as tile work and moldings which are integrated into the building structure and design.
- g) Peaked roof form
- h) Tower elements
- i) Canopies or porticos
- j) Nigh lighting (as allowed by Township zoning code)

Foundations must be clad with the same natural material utilized on the building to blend with the overall architecture of the structure. Exposed cement block or split face block foundations shall be prohibited.

Building Materials:

All exterior elevations shall be comprised of eighty (80) percent wood, fiber cement, brick, or native or cultured stone. Other natural materials may be utilized as an accent material provided it does not exceed twenty (20) percent of the gross exterior building wall square footage. Vinyl and/or aluminum shall be prohibited except when used for trim details such as downspouts, soffits, gutters, and shutters.

The use of black, gold, green, silver, opaque or any other reflective or colored glass on a building is prohibited. Frosted glass may be permitted in some cases, subject to review from the Township.

Building Colors:

Building colors shall consist of neutral tones and earth tones limited to browns, tans, grays, whites, and blues. Greens may be utilized as an accent and shall not be the predominant building color. Brick colors shall consist of neutral tones and reds limited to traditional brick colors.

Roofing:

Roof features should complement the character of adjoining buildings/developments where applicable. All roof top mechanical equipment must not be visible from any public roads.

For any buildings with a sloped roof, the roof shall have a minimum of 6:12 pitch. Secondary accessory roofs, such as porches, may be a lesser slope with a minimum pitch of 4:12. Pitched roofs must be constructed of dimensional shingles, standing seam metal, slate or simulated slate. Both pitched and flat roofs shall be allowed, variation in rooflines shall be used to reduce the mass and add interest. Any roof lines that exceed 100' in length shall include roofline variations.

Drive-Thrus:

For commercial buildings only (not applicable to mixed use buildings), a drive thru (if deemed appropriate for the site) shall be designed as an integral part of the structure it serves. Features incorporated with a drive thru including, but not limited to, canopies, awnings and support posts shall match the material and color scheme within overall theme. Drive thru features shall not have any pickup windows, ordering areas, signage or other related items located on the front elevation of a building or located between the building and the street right-of-way.

Signs:

Subarea 'A' – Temporary and permanent signage are proposed for this development. Two monument signs and two temporary marketing signs are proposed and will be located at the entry to The Flats at Oak Park North along Road 'A', and the entry to The Flats at Oak Park South along Road 'B'. The marketing signs shall be double sided. See Tab 4, Exhibits D-2, D-3, & D-4.

Wall signage is also proposed for this site, so that each proposed commercial business located on the 1st floor of the buildings can advertise their location. All business specific signage shall be submitted at the time of final development plan submission, as it is still unknown at this time.

Subarea 'B' – Signage shall be provided at the time of the final development plan submission. See Tab 3, Exhibits C-3 & C-3.1 for concept signage.

Loading and trash collection:

Locations for loading areas and trash collection shall be detailed and indicated on Final Development Plans when final users and architecture are developed. Loading zones and trash areas shall be appropriately screened and located so as to not interfere with adjacent residential areas.

3.) The intended general provisions for water, fire hydrants, sanitary sewer, and adequate storm water drainage outlet. Information regarding existing pipe sizes, capacities, committed flows, and potential needed upgrades must be documented by the utility provider or a registered civil engineer.

Water shall be provided by DelCo Water. Sanitary sewer is available to be extended to this site from the south, per the Delaware County Regional Sewer district.

Refer to Tab 5, Exhibit E-1 for Concept Utility plans by Advanced Civil Design, and refer to Tab 5, Exhibits E-2 through E-10 for utility letters.

4.) The relationship of the proposed development to existing and probable uses of surrounding areas, including easements, rights of way, proposed drainage and public utilities.

The proposed development is bordered by Peachblow Road to the north, a commercial parcel in the northeastern corner, single family homes to the east, as well as the future Berlin Meadows single family development. Worthington Arms homes to the south, single family homes to the west, as well as a memorial park, and commercial parcel to the west. See Tab 3, Exhibit C-5 for Existing Features Plan

5.) A design of the open space and proposed description of its use, ownership, and maintenance.

Subarea 'A' open space has been designed to buffer existing homes and uses around the periphery of the site, and to provide internal pockets of open space for the resident's use. All open spaces shall be maintained by the Master Association. See Tab 4, Exhibit D-5 for Open Space Plan

Open Space 'A' – contains half of the entry feature for The Flats at Oak Park North, 8' wide multi-use pathway, existing stream overlook seating area, and a landscaped park feature.

Open Space 'B' – contains half of the entry feature for The Flats at Oak Park North, the community green plaza, entries to mixed use commercial shops, street trees, and 5' wide sidewalks.

Open Space 'C' – contains the central community green area which has seating areas, arbors, tree plantings, fencing and columns, and an open lawn for community activities.

Open Space 'D' – contains a large oak tree to be preserved, a proposed basin, columns and fencing, existing wetland, 5' wide sidewalk, 10' wide bike path, a patio area with swings and seating, and a landscape feature.

Open Space 'E' – contains half of the entry feature for The Flats at Oak Park South, entries to mixed use commercial shops, and street trees.

Open Space 'F' – contains half of the entry feature for The Flats at Oak Park South, street trees, three rail fencing, and existing trees to be preserved.

Open Space 'G' – contains existing trees to be preserved, 5' wide sidewalk, three rail fencing, and landscape buffering.

Subarea 'B' open space will be dispersed through the property and will be used for setbacks and buffers. The lot will be maintained by the commercial lot owner.

Ponds with headwalls and end walls that are exposed to view shall be treated with real or synthetic stone to resemble stone walls. All stone shall extend to or below grade so that any low water conditions only reveal stone.

Ponds will have aerator fountains to maintain water quality. Fountains shall have a spray pattern of 10' height minimum.

6.) Specific statements of divergence, if any, from the development standards in this Article or the general standards of this resolution such as setbacks, parking, landscaping, lighting, signage, and so forth.

Section 17.02.A - Permitted Uses

It is requested that apartment residential uses be allowed in this commercial development within Subarea A only. This allows for mixed use buildings to be part of the development and would create a walkable commercial area with a variety of commercial opportunities. A maximum of 194 apartment units are permitted within Subarea A

Section 17.02.A - Permitted Uses

It is requested that the setback from Food Services and Drinking Places (NAICS #722) be reduced from 300' to 100' from any adjacent surrounding Residential Zoning Districts, and 0' setback from internal Residential Zoning Districts (TPUD). This allows for the mixed-use buildings and commercial out lots to have food services and drinking places as an available use. Restaurants are a desirable use for this area in the development.

Section 17.05.6 - Minimum Side Yards

It is requested that the minimum side yard be reduced from 100' to 25' against any Residential Zoning District or Planned Residential District. This is to create a distinct walkable district flowing between the PCD and TPUD portions of the full development, which large setbacks would create gaps and thus create less

walkability. Buffers consisting of fences, dense vegetation, mounding, and other elements will be used.

<u>Section 17.05.7 – Minimum Rear Yards</u>

It is requested that the minimum rear yard be reduced from 100' to 25' against any Residential Zoning District or Planned Residential District. This is to create a distinct walkable district flowing between the PCD and TPUD portions of the full development, which large setbacks would create gaps and thus create less walkability. Buffers consisting of fences, dense vegetation, mounding, and other elements will be used.

<u>Section 17.05.15 – Building Height Limits</u>

It is requested that the maximum building height be increased from 35' to 45'. This increased height would allow the proposed mixed-use buildings to be 3 stories and would allow for a variety of rooflines on the mixed-use buildings. The roof lines of any 3 story buildings shall be varied and not have greater than 150' of roof at same height. A minimum of 3' variation shall be required. Architectural elements may be used to fulfill this requirement.

The code currently allows for architectural elements such as chimneys, spires, domes, flag poles, and elevator shafts to be constructed to any safe height, not to exceed 100 feet. This PCD would limit those elements to 65' height maximum.

7.) Proposed location of all structures and uses.

Subarea 'A' – See Tab 3, Exhibits C-2 & C-2-.1 for Preliminary Development Plan for locations of all structures. All structures to be located on a fee simple lot, excluding the proposed pathways, entry features, and signage.

Subarea 'B' – See Tab 3, Exhibits C-3 & C-3.1, for Preliminary Development Plan for setbacks. Actual development plans will not be known until a specific user for the site submits site plans and building plans. This will be supplied during final development plan approval.

8.) Preliminary Traffic Impact Analysis based upon new trip generation as estimated by the Delaware County Engineer's standards.

See Tab 5, Exhibit E-10 for Traffic Impact Study

- 9.) All required design standards in Section 17.05.
 - A. The development plan shall incorporate the following standards for all permitted uses:
 - 1.) Access: Requires frontage on or direct access to one or more dedicated and improved public arterial roads as shown on the Delaware County Thoroughfare Plan, or to an access road that runs parallel to an arterial

road. Provision for future connections to other public roads may be required by the Township, the County Engineer, and/or the Regional Planning Commission.

The site has access to proposed Road 'A' & Road 'B' which will connect to Peachblow Road and US 23.

- 2.) <u>Minimum Tract Size:</u> 10 acres or as approved on the final development plan. **The tract size is ±27.6 acres.**
- 3.) Maximum Commercial Ground Coverage by Buildings and Parking (All Impervious Surfaces): No more than 80% of the total tract acreage of a commercial development, exclusive of public street rights of way shall be covered by impervious surfaces, which includes all parking and commercial buildings (not multi-family dwellings). Land underneath overhead high voltage electric transmission lines may be used for open space, landscaping, parking, and roads with the permission of the electric utility company.

The development will have a maximum ground coverage of 80%, this includes all building & parking areas to be located on site.

4.) Minimum Required Open Space for Commercial Developments: Not less than 20% of the total tract acreage of a commercial development shall remain open space. Open spaces may be used for the retention, detention and disposal of storm water drainage. Features which are likely to cause erosion or flooding shall not be permitted. A 15-foot wide "green belt" shall be provided between the edge of any parking area and the adjacent public street right of way and shall be landscaped in accordance with Article 26.

The development shall have a minimum open space acreage of approximately 20%.

- 5.) Minimum Lot Width: At the building line shall be as approved per plan. See Tab 3, Exhibit C-1 for Preliminary Development Plan.
- 6.) Minimum Side Yards: Shall equal one-third (1/3) the sum of the height and depth of the structure, but in no case shall be less than one hundred (100) feet from any Residential Zoning District or Planned Residential District, or as approved per plan.

The side yard building setback shall be 25', a divergence has been requested.

7.) Minimum Rear Yard: Shall equal one-third (1/3) the sum of the height and width of the structure, but in no case shall be less than one hundred (100) feet from any Residential Zoning District or Planned Residential District, or as approved per plan.

The rear yard building setback shall be 25', a divergence has been requested.

8.) <u>Perimeter Area:</u> No parking shall be constructed within 25 feet of the lot line of an existing or proposed single family home, or a residentially zoned district.

The development shall comply with this requirement, see Tab 3, Exhibit C-1 for Preliminary Development Plan.

9.) <u>Water and Sewer:</u> Centralized water and centralized sewer service shall be provided unless otherwise approved per development plan. The appropriate state and/or county agencies with jurisdiction shall indicate feasibility of water supply and wastewater disposal systems at the time of the preliminary development plan review.

See Tab 5, Exhibit E-2 through E-10 for utility letters of serviceability.

10.) <u>Walkways and Street Trees:</u> The Township may require walkways to connect parking areas with buildings. Where sidewalks or bike paths are required, they shall be separated from the paved street or parking lot surface by at least five feet (5') of landscaped area with trees placed behind the sidewalk.

The development shall comply with this requirement.

Pavement Width Standards for Interior Development Streets, Drives and Parking Lots: All private streets, roads and driveways shall be constructed to a pavement width and cross section that meets the Average Daily Traffic and weights anticipated in the Delaware County Engineer's Location and Design Manual, or shall have a design life of 20 years. Parking lot pavement does not have to meet street cross section standards, but parking lot drive aisles that connect to the public streets shall be constructed to public street cross sectional and design life standards within 50 feet of the edge of the public paved road.

The development shall comply with this requirement.

12.) <u>Underground Utilities:</u> All utility lines constructed to service the proposed commercial uses shall be located underground.

The development shall comply with this requirement.

13.) Environmentally Sensitive Areas: Jurisdictional wetlands, slopes greater than 20%, and 100- year floodplains shall be preserved to the greatest extent possible. No commercial or office structures shall be constructed within the 100-year floodplain of any stream or river. To the maximum extent possible, all natural drainage courses, vegetation and contours in excess of 6% shall be maintained.

Wetlands shall be preserved to the greatest extent possible. A stream is located on site and shall be preserved. See Tab 3, Exhibit C-5 for Existing Features Plan.

14.) <u>Building Design:</u> The project architect shall give due regard to the footprints, building orientation, massing, roof shape, pitch and exterior materials to blend with other traditional or historic architecture in the community or with the site.

Subarea 'A' – Development shall comply. All structures constructed within this development shall contain the following minimum living areas:

- a. Studio unit: 590 square feet
- b. One (1) bedroom unit: 680 square feet
- c. Two (2) bedroom unit: 900 square feet
- d. Each unit with bedrooms over two shall have a minimum of 120 sf per each additional bedroom.

Subarea 'B' – Building size will not be known until the final development plan submission but shall not exceed a maximum size of 30,000 square feet for the east commercial parcel, and 10,000 square feet per acre for the west commercial parcels.

Building design shall adhere to all design standards and materials listed in Section 17.06.A.2 of this document, and as shown on Tab 7, Exhibits G-1 & G-2 for Architectural Character Concepts

15.) <u>Building Height Limits:</u> No building or structure in this district shall exceed thirty-five (35) feet in height measured from the front door threshold to the highest point on the roof. Chimneys, spires, domes, flag poles, and elevator shafts may be constructed to any safe height, but shall not exceed one-hundred (100) feet in height. No windmill, aerial, antenna, or tower shall be constructed to a height greater than the distance from the center of the base to the nearest property line of said tract and shall not exceed one-hundred (100) feet in height.

No Subarea 'B' buildings shall exceed 35' as measured from the threshold plate at the front door to the highest point on the roof. Subarea 'A' mixed use buildings may exceed this, and be a maximum 45' in height, but no more

than 3 stories. A divergence has been requested. Architectural elements such as chimneys, spires, domes, flag poles, and elevator shafts to be constructed to any safe height, not to exceed 65' height maximum in each subarea.

16.) Landscaping: All yards, front, side and rear, shall be landscaped in accordance with Article 23. All open spaces or non-residential use areas shall be landscaped and shall meet the landscaping requirements of this resolution, unless a variation from these standards is specifically approved as part of the final development plan. A landscape plan prepared by a licensed landscape architect showing the caliper, height, numbers, name and placement of all material, shall be submitted and is subject to approval as a part of the final development plan. Natural foliage shall be retained as buffers where practicable. The Township may require establishment of such tree cover and/or other foliage to buffer adjacent uses.

Subarea 'A' – Landscape plans and site details are attached as Tab 4, Exhibits D-1, D-2, D-3, & D-4 with buffer and open space descriptions in Section 17.06.A.5 of the zoning text.

Subarea 'B' – Final landscape plans will be submitted with the final development plans and will be in accordance with Article 26.

- 17.) Parking: Off-street parking shall be provided at the time of construction of the main structure or building, with adequate provisions for ingress and egress according to the final development plan. In preparing and approving the parking plan, the parking provisions of Article 24, Section 24.01 of this Resolution shall be incorporated, or a divergence requested. The development shall comply with this requirement.
- 18.) Signs: Signs shall conform to Article 25 of this resolution, or a divergence requested and approved as part of the final development plan.
 All signage shall comply with Article 25, see Tab 3, Exhibits C-3 & C-3.1 for Subarea 'B' concept signage. See Tab 4, Exhibit D-3 for Subarea 'A' signage.
- 19.) <u>Exterior Lighting:</u> All exterior lighting shall be as specifically approved as part of the final development plan in accordance with Article 24, Section 24.13 of this resolution.
 - All exterior lighting shall comply with Article 24. Parking lights shall be down lights and meet all requirements. A final lighting plan will be provided at the time of the final development plan submission.
- 20.) <u>Building Size Limits:</u> Retail or office buildings, including but not limited to NAICS Codes 114, 311811, 442, 443, 444, 445, 446, 447 448 451, 452, 453, 51,

52, 5312, 5313, 53211, 5322, 53242, 54, 55, and 561 shall contain no more than 65,000 square feet under one roof for any individual use.

Development shall comply, all retail or office buildings shall be less than 65,000 square feet for any individual user.

21.) Exception to Retail and Office Building Size Limits: Retail and office uses permitted in Section 15.02, and NAICS code 441 (Motor Vehicle and Parts Dealers) with an individual commercial or office that exceeds 65,000 square feet under one roof for any individual use may be approved at the discretion of the township provided they have direct access to a commercial frontage road located parallel to and within 500 feet of U.S. 23 or U.S 36.

This use is not allowed in this development, and therefore the code is not applicable.

- 22.) <u>Supplemental Conditions and Safeguards:</u> The Zoning Commission and/or Board of Trustees may require additional conditions be met with regard to the type and extent of the public improvements to be installed; landscaping; improvements and maintenance of open space areas; and other development characteristics.
- 10.) Fire-fighting plan: submission of a letter from Fire department regarding access and water needs for fire-fighting.

See Tab 5, Exhibit E-8, for letter from Berlin Township Fire Department

11.) Phasing plans, if any.

Subarea 'A' – There shall be 2 phases, see Tab 3, Exhibit C-4
Subarea 'B' – Outlots in west section shall be developed as users have final development plans approved. The east section shall be developed as one phase.

12.) Calculations of net developable acreage and proposed lot coverage for commercial uses.

Net developable acreage is ±23.2 AC, and proposed maximum lot coverage of building and parking areas is 80%.

13.) Proposed permitted and accessory uses listed numerically and selected from the NAICS list in Section 17.02.

| 2002 U.S. NAICS CODE # | PERMITTED USES |
|---------------------------|--|
| 1114 | Greenhouse, Nursery, and Floriculture Production |
| | |
| 311811 | Retail Bakeries |

| 441210 | Recreational Vehicle Dealers | | | |
|-------------------|--|--|--|--|
| 441221 | Motorcycle Dealers | | | |
| 441222 | Boat Dealers | | | |
| 441229 | All other Motor Vehicle Dealers | | | |
| 4413 | Automotive Parts, Accessories, and Tire Stores except 441310 Auto Used Parts | | | |
| | Sales | | | |
| 442 | Furniture and Home Furnishings Stores | | | |
| 443 | Electronics and Appliance Stores | | | |
| 444 | Building Material and Garden Centers | | | |
| 445 | Food and Beverage Stores | | | |
| 446 | Health and Personal Care Stores | | | |
| 447 | Gasoline Stations (except 447109 Truck Stops) | | | |
| 448 | Clothing and Clothing Accessories Stores | | | |
| 451 | Sporting Goods, Hobby, Book (except Adult-Related Entertainment) and Music Stores | | | |
| 452 | General Merchandise Stores | | | |
| 453 | Miscellaneous Store Retailers, (except Adult-Related Entertainment establishments and 45393 Manufactured Home Dealers) | | | |
| 491 | Postal Service | | | |
| 511 | Publishers | | | |
| 5133 | Telecommunications | | | |
| 514 | Information and Data Processing Services | | | |
| 516110 | Internet Publishing | | | |
| 517110 | Wired Telecommunications Carriers | | | |
| 517212 | Cellular and other Wireless Telecommunications | | | |
| 518111 | Internet Service Providers | | | |
| 52 | Finance and Insurance | | | |
| 531130 | Lessors of Mini-Warehouses and Self-Storage Units | | | |
| 531210 | Offices of Real Estate Agents and Brokers | | | |
| 531390 | Other activities related to Real Estate | | | |
| 53211 | Passenger Car Rental and Leasing | | | |
| 532120 | Truck and Utility Trailer Rental and Leasing | | | |
| 5322 | Consumer Goods Rental | | | |
| 54 | Professional, Scientific and Technical Services (includes Medical, Veterinarians, Computer and Related Hardware and Research and Development etc.) | | | |

| 55 | Management of Companies and Enterprises | | | |
|-------------------|--|--|--|--|
| 564440 | Office Administrative Council Construction | | | |
| 561110 | Office Administrative Support Services | | | |
| 561431 | Private Mail Services Other Pusings Service Centers (including Conv. Shape) | | | |
| 561439 | Other Business Service Centers (including Copy Shops) | | | |
| 561510 | Travel Agencies | | | |
| 61 | Educational Services | | | |
| | | | | |
| 621111 | Offices of Physicians | | | |
| 621112 | Offices of Mental Health Specialists | | | |
| 621210 | Offices of Dentists | | | |
| 621310 | Offices of Chiropractor | | | |
| 621320 | Offices of Optometrists | | | |
| 621330 | Mental Health Practitioners | | | |
| 621340 | Physical, Occupational, and Speech Therapists and Audiologists | | | |
| 621391 | Podiatrists | | | |
| 621399 | Miscellaneous Health Care Practitioners | | | |
| 621491 | HMO Medical Centers | | | |
| 621492 | Kidney Dialysis Centers | | | |
| 621493 | Ambulatory Surgical and Emergency Centers | | | |
| 621511 | Medical Laboratories | | | |
| 621512 | Diagnostic Imaging Centers | | | |
| 621610 | Home Health Care Services | | | |
| 621910 | Ambulance Services | | | |
| 500 | | | | |
| 622 | Hospitals | | | |
| 623110 | Nursing Care Facilities | | | |
| 623311 | Continuing Care Retirement Communities | | | |
| 623312 | Homes for the Elderly | | | |
| 624410 | Child Day Care Services Theotog Companies and Diagon Theotogo | | | |
| 711110 | Theater Companies and Dinner Theaters | | | |
| 711120 | Dance Companies Other Performing Arts Companies (expent Adult Peleted Entertainment) | | | |
| 711190 712110 | Other Performing Arts Companies (except Adult-Related Entertainment) | | | |
| | Museums | | | |
| 713940 | Fitness and Recreational Centers | | | |
| 721110 | Hotels (except 72112 casino) and Motels | | | |
| 721191 | Bed and Breakfast Inns | | | |
| | | | | |
| 722 | Food Services and Drinking Places (except those establishments offering or featuring entertainment including totally nude, topless, bottomless, strippers, male or female impersonators, or similar adult entertainment or services), provided that there shall be a minimum of 300 feet of setback from the property line of any Food and Drink service place and the nearest residential property line or residential zoning district. | | | |
| | or residential zoning district. | | | |

| 812 | Personal and Laundry Services (except Adult-Related Entertainment) |
|-----|--|
| 813 | Religious, Grant making, Civil, Professional and Similar Organizations |
| | |
| 92 | Public Administration (except 922150 Parole and Probation Offices) |

B.) Other Submittal Requirements

 A certified real estate tax mailing address list of current property owners within 200 feet of subject property obtained from Delaware County Auditor's Office, with mailing addresses and two sets of mailing labels, including applicant and/or applicant's representative.

See Tab 1, Exhibit A-1, for Surrounding Property Owner addresses.

2.) Legal Description of the property

See Tab 2, Exhibit B-1, for Legal Description

- 3.) Plat plan of the parcel to scale, including:
 - a) Area of property including, streets, roadways, and parking
 - b) Placement of all existing and proposed buildings

See Tab 2, Exhibit B-2, for Boundary Survey

4.) The lot number and/or street address

Parcel Number Identification Numbers: 418-330-01-028-000, 418-330-01-029-000, 418-330-01-030-000. & 418-330-01-031-000

5.) Topographical map

See Tab 3, Exhibit C-5, for Existing Conditions Plan

6.) All setback and frontage dimensions, Article 24

See Tab 3, Exhibit C-1, for Preliminary Development Plan

7.) Architectural design criteria for all structures and criteria for proposed signs, with proposed control procedures, Article 25

See Section 17.06.A.2 of the zoning text for architectural design.

Subarea 'A' – See Tab 7, Exhibit G-1 for Architectural Character Concepts

Subarea 'B' – See Tab 7, Exhibit G-2 for Architectural Character Concepts

8.) Landscape Plan, in accordance with the Berin Township Zoning Resolution, Article 26 Subarea 'A' – Landscape plans and site details are attached as Tab 4, Exhibits D-1, D-2, D-3, & D-4 with buffer and open space descriptions in Section 17.06.A.5 of the zoning text. Subarea 'B' – Final landscape plans will be submitted with the final development plans and will be in accordance with Article 26.

- 9.) Location of schools, parks, and other public facility sites, within one (1) mile The site is within proximity to Fairview Memorial Park, Columbus State Community College, Delaware Area Career Center, and the Shale Meadows Elementary School. See Tab 3, Exhibit C-5 for Existing Conditions Plan.
- 10.) Ability to post bond or an irrevocable letter of credit if the plan is approved assuring completion of public service facilities to be constructed within the project by the developer

See Tab 6, Exhibit F-1, for Bank Letter

11.) The proposed time schedule for development of the site including streets, buildings, utilities, and other facilities

It is anticipated that the subdivision construction would begin shortly after approval of a final development plan, final engineering plans, and plats, which is likely to occur in the summer of 2025. The site utilities, street, and landscape will be installed, and commercial buildings will be constructed.

12.) If the proposed timetable for development includes developing the land in phases, all phases developed after the first, which in no event shall be less than five (5) acres or the whole tract (whichever is smaller), shall be fully described in textual form in a manner calculated to give Township official's definitive guidelines for approval of future phases.

Subarea 'A' – There shall be 2 phases, see Tab 3, Exhibit C-4
Subarea 'B' – Outlots in west section shall be developed as users have final development plans approved. The east section shall be developed as one phase.

1.) Letter approving agent for owner if applicable **Applicant is the owner of the property.**

TAB 1 – EXHIBIT 'A-1' – Surrounding Property Owners

| PROPERTY OWNER | PARCEL NUJMBER |
|--|----------------------------------|
| BELMONT PLACE HOMEOWNERS' ASSOCIATION MCNAMARA LOOP | 41833002001000 41833010001000 |
| NAVALKAR NIPUN EVATI NIPUN 91 GRACELYN WAY | 41833010002000 |
| VENKATA MALLADI 120 MCNAMARA LOOP LEWIS CENTER OH 43035 | 41833002002000 |
| GOWSIKA RAJAN PALANIVEL HEMA PRIYA MAHARAJAN 126 MCNAMARA LOOP LEWIS CENTER OH 43035 | 41833002003000 |
| SHANNON N ISRAEL URIEL BE ISRAEL 132 MCNAMARA LOOP LEWIS CENTER OH 43035 | 41833002004000 |
| KEVIN R COUTHEN CAITLIN N COUTHEN 138 MCNAMARA LOOP LEWIS CENTER OH 43035 | 41833002005000 |
| HAROLD L REAY LINDA M REAY 144 MCNAMARA LOOP LEWIS CENTER OH 43035 | 41833002006000 |
| VIKRAM HOODA EKTA BHARTI 150 MCNAMARA LOOP LEWIS CENTER OH 43035 | 41833002007000 |

| JAMES ANDREW THOMPSON AARON M REA 156 MCNAMARA LOOP LEWIS CENTER OH 43035 | 41833002008000 |
|---|----------------|
| PING WANG CHU MIN 162 MCNAMARA LOOP LEWIS CENTER, OH 43035 | 41833002009000 |
| MEAGAN E LAW MITCHELL D LAW 168 MCNAMARA LOOP LEWIS CENTER, OH 43035 | 41833002010000 |
| MAHESH S MANE VAISHALI M MANE 174 MCNAMARA LOOP | 41833002011000 |
| JAMES A CASTRODALE KIMBERLY L CASRODALE 180 MCNAMARA LOOP | 41833002012000 |
| JITENDRA PRATAP SINGH RAJORIA VANDANA RAJORIA 186 MCNAMARA LOOP | 41833002013000 |
| KIRAN SHASHI THANDRA 192 MCNAMARA LOOP LEWIS CENTER, OH 43035 | 41833002014000 |
| 41833001026000 WILMA J LAW 838 PEACHBLOW RD LEWIS CENTER, OH 43035 | 41833001026000 |
| GERMANN HOLDINGS LLC 774 PEACHBLOW RD LEWIS CENTER, OH 43035 | 41833001027000 |

| JENNIFER DYAN STRAWSER 886 PEACHBLOW RD LEWIS CENTER, OH 43035 | 41833001022001 |
|---|----------------------------------|
| MARK E VANDERVORT JENNIFER D STRAWSER 1010 PEACHBLOW RD LEWIS CENTER OH 43035 | 41833001022000 |
| PEACHBLOW LAND LLC 470 OLD WORTHINGTON RD WESTERVILLE OH 43082 | 41833001014000 |
| UMH OH WORTHINGTON ARMS LLC 5277 COLUMBUS PIKE LEWIS CENTER OH 43035 | 41833001066000 |
| NCDCBT LLC 102 HIDDEN PASTURES DR CRAMERTON NC 28032 | 41833001064000 41833001062000 |
| 2715 WISE AVENUE LTD 5087 COLUMBUS PIKE LEWIS CENTER OH 43035 | 41833001061000 |
| ISLAMIC SOCIETY OF CENTRAL OHIO PO BOX 29392 COLUMBUS OH 43229 | 41833001052000 |
| CHARLES SHIPMAN ANN SHIPMAN 375 CONNER LN LEWIS CENTER OH 43035 | 41833001051000 41833001050000 |
| DALE FILBY RICHARDS 345 CONNER LN LEWIS CENTER OH 43035 | 41833001049000 |
| LEONARD L BUSSARD SHARON K BUSSARD 305 CONNER LN LEWIS CENTER OH 43035 | 41833001048000 |

JANE M MCKEE, TRUSTEE
350 PEACHBLOW RD
LEWIS CENTER OH 43035

41833001034000

JUDY D CONNER 380 PEACHBLOW RD LEWIS CENTER OH 43035 41833001033000



Zoning Description ~ 64.9 Acre +/-South at the Intersection of Crownover Way And Peachblow Road

-1-

Situated in the State of Ohio, County of Delaware, Township of Berlin, being part of Farm Lot 34 and 35, Section 3, Township 4, Range 18, United States Military District and containing 64.9+/- acres of land, more or less, said 64.9+/- acres being part of the Original 75.454 acre tract of land conveyed to PeachblowRoad Ltd., of Record in Official Record 1978, Page 1436 and part of a 19.029 acre tract of land conveyed to PeachblowRoad Ltd. of record in Official Record 2015, Page 2804, said 64.9+/- acres more particularly described as follows:

Beginning, at the northwesterly corner of said Original 75.454 and being in the centerline of Peachblow Road (C.R. 98);

Thence S 86° 24' 54" E, along a northerly line of said Original 75.454 acre tract and said 19.029 acre tract and along said centerline, 1366.5 feet+/- to an angle point at a northeasterly corner of said 19.029 acre tract and being a northwesterly corner of a 5.040 acre tract of land conveyed to Gemann Holdings LLC of record in Official Record 1468, Page 1022;

Thence along the common lines of said 19.029 tract and said 5.040 acre tract, the following two (2) courses:

S 03° 16' 24" W, 699.9 feet+/- to an angle point thereof;

S 86° 23' 39" E, 372.7 feet+/- to an angle point thereof and being in the westerly line of a 12.941 acre tract of land conveyed to Mark E. Vandervart and Jennifer D. Strawser;

Thence S 03° 22' 25" W, along the easterly line of said 19.929 acre tract, along the westerly line of said Vandervart/Strawser tract and along the westerly line of a 145.432 acre tract of land conveyed to Peachblow Land LLC of record in Official Record 1728, Page 328, 1820.3 feet+/to a southeasterly corner of said 19.029 acre tract and being the northeasterly corner of a tract of land conveyed to UMH OH Worthington Arms, LLC of record in Official Record 1371, Page 730;

Thence N 86° 36' 06" W, along a southerly line of said 19.029 acre tract and along the northerly line of said UMH OH tract, 272.5 feet+/- to an angle point;

Thence across said 19.029 acre tract and said Original 75.454 acre tract, the following twelve (12) courses;

N 03° 22' 25" E, 711.7 feet+/- to an angle point thereof;

N 86° 37' 35" W, 578.1 feet+/- to an angle point thereof;

N 03° 23' 54" E, 544.9 feet+/- to a point of curvature;

with a curve to the right, having a central angle of 18° 08' 41" and a radius of 244.99 feet, an arc length of 77.58 feet, a chord bearing and chord distance of N 61° 02' 08" W, 77.3 feet+/- to a point of reverse curvature;

with a curve to the left, having a central angle of 39° 22' 52" and a radius of 184.64 feet, an arc length of 126.91 feet, a chord bearing and chord distance of N 72° 57' 50" W, 124.4 feet+/- to a point of reverse curvature;

with a curve to the left, having a central angle of 11° 48' 16" and a radius of 987.07 feet, an arc length of 203.37 feet, a chord bearing and chord distance of N 88° 46' 58" W, 203.0 feet+/- to a point of curvature;

Zoning Description ~ 64.9 Acre +/-South at the Intersection of Crownover Way And Peachblow Road

-2-

with a curve to the left, having a central angle of 01° 56' 08" and a radius of 1972.46 feet, an arc length of 66.83 feet, a chord bearing and chord distance of S 79° 48' 36" W, 66.8 feet+/- to an angle point;

S 14° 07' 48" E, **97.6 feet**+/- to a point of curvature;

with a curve to the right, having a central angle of 12° 37' 08" and a radius of 970.00 feet, an arc length of 213.63 feet, a chord bearing and chord distance of S 07° 49' 14" E, 213.2 feet+/- to an angle point;

N 86° 36' 06" W, 246.4 feet+/- to a point of point;

S 03° 23' 54" W, 610.0 feet+/- to a point of point;

N 86° 59' 41" W, 129.8 feet+/- to a westerly line of said Original 75.454 acre tract and being in the easterly line of a 2.631 acre tract of land described as Tract 2 and conveyed to NCDCBT LLC of record in Official Record 1035, page 227;

Thence N 10° 50' 52" W, along the westerly line of said Original 75.454 acre tract, along the easterly line of said Tract 2 and along an easterly line of a 3.67 acre tract of land conveyed to 2715 Wise Avenue Ltd. of record in 1546, Page 2133, 498.3 feet to an angle point of said Original 75.454 acre tract, being the northeasterly corner of said 3.67 acre tract and being the southeasterly corner of a 8.325 acre tract of land conveyed to the Islamic Society of Central Ohio of record in Official Record 1788, Page 2311;

Thence N 03° 15' 13" E, along the westerly line of said Original 75.454 acre tract, along the easterly line of said 8.325 acre tract and along the easterly line of a subdivision of lots named "Midway Gardens" of record in Plat Book 4, Page 125, 1660.5 feet to the True Point of Beginning. Containing 64.9+/- acres.

The above description was prepared by Advanced Civil Design Inc. on March 14, 2024 and is based on existing County Auditor records, County Recorder records and an actual field survey by Advanced Civil Design, Inc in January of 2023.

All references used in this description can be found at the Recorder's Office, Delaware County, Ohio.

This is not to be used for the transfer of land and is for zoning purposes only.

ADVANCED CIVIL DESIGN, INC.

Z:22-0001-1326\Survey\22-0001-1326 64.9 rev1 ac zoning desc.doc

Zoning Description ~ 27.6 Acre +/-South at the Intersection of Crownover Way And Peachblow Road

-1-

Situated in the State of Ohio, County of Delaware, Township of Berlin, being part of Farm Lot 34 and 35, Section 3, Township 4, Range 18, United States Military District and containing 27.6+/-acres of land, more or less, said 27.6+/- acres being part of the Original 75.454 acre tract of land conveyed to PeachblowRoad Ltd., of Record in Official Record 1978, Page 1436 and being part of a 19.029 acre tract of land conveyed to PeachblowRoad Ltd of record in Official Record 2015, Page 2084, said 27.6+/- acres more particularly described as follows:

Beginning for Reference at the northwesterly corner of said Original 75.454 and being in the centerline of Peachblow Road (C.R. 98);

Thence **S** 03° 15' 13" W, along the westerly line of said Original 75.454 acre tract, across said right-of-way, along the easterly line of a subdivision "Midway Gardens" of record in Plat Book 4, Page 125 and along the easterly line of a 8.325 acre tract of land conveyed to the Islamic Society of Central Ohio of record in Official Record 1788, Page 2311, **1660.5** feet+/- to an angle point at a southeasterly corner of said 8.325 acre tract and being a northeasterly corner of a 3.67 acre tract of land conveyed to 2715 Wise Avenue Ltd. of record in Official Record 1546, Page 2133;

Thence **S 10° 50' 52"** E, along the westerly line of said Original 75.454 acre tract, along the easterly line of said 3.67 acre tract and along easterly line of a 2.631 acre tract of land described as Tract 2 and conveyed to NCDCBT LLC of record in Instrument Number 1035, Page 227, **498.3 feet**+/- to a point, the **True Point of Beginning**;

Thence across said Original 75.454 acre tract, the following twelve (12) courses:

S 86° 59' 41" E, 129.8 feet+/- to a point;

N 03° 23' 54" E, 610.0 feet+/- to a point;

S 86° 36' 06" E, 246.4 feet+/- to a point of curvature;

with a curve to the left, having a central angle of 12° 37' 08" and a radius of 970.00 feet, an arc length of 213.63 feet, a chord bearing and chord distance of N 07° 49' 14" W, 213.2 feet+/- to a point of tangent;

N 14° 07' 48" W, 97.6 feet+/- to a point of curvature;

with a curve to the right, having a central angle of 01° 56' 28" and a radius of 1972.46 feet, an arc length of 66.83 feet, a chord bearing and chord distance of N 79° 48' 36" E, 66.8 feet+/- to a point of curvature;

with a curve to the right, having a central angle of 11° 48' 16" and a radius of 987.07 feet, an arc length of 203.37 feet, a chord bearing and chord distance of S 88° 46' 58" E, 203.0 feet+/- to a point of curvature;

with a curve to the right, having a central angle of 39° 22' 52" and a radius of 184.64 feet, an arc length of 126.91 feet, a chord bearing and chord distance of \$ 72° 57' 50" E, 124.4 feet+/- to a point of curvature;

with a curve to the left, having a central angle of 18° 08' 41" and a radius of 244.99 feet, an arc length of 77.58 feet, a chord bearing and chord distance of S 61° 02' 08" E, 77.3 feet+/- to a point;

S 03° 23' 54" W, 544.9 feet+/- to an angle point;

S 686° 37' 35" E, 578.1 feet+/- to an angle point;

S 03° 22° 25" W, **711.7 feet**+/- to an angle point in the southerly line of said Original 75.454 acre tract and being in the northerly line of a tract of land conveyed to UMH OH Worthington Arms, LLC of record in Official Record 1371, Page 730;

Zoning Description ~ 27.6 Acre +/-South at the Intersection of Crownover Way And Peachblow Road

-2-

Thence N 86° 36' 06" W, along said common line, 1245.1 feet+/- to the southwesterly corner of said Original 75.454 acre tract and being the southeasterly corner of said 4.713 acre tract;

Thence N 10° 50' 52" W, along the westerly line of said Original 75.454 acre tract and the easterly line of said 4.713 acre tract, 394.6 feet+/- to the True Point of Beginning. Containing 27.6+/- acres.

The above description was prepared by Advanced Civil Design Inc. on March 14, 2024 and is based on existing County Auditor records, County Recorder records and an actual field survey by Advanced Civil Design, Inc in January of 2023.

All references used in this description can be found at the Recorder's Office, Delaware County, Ohio.

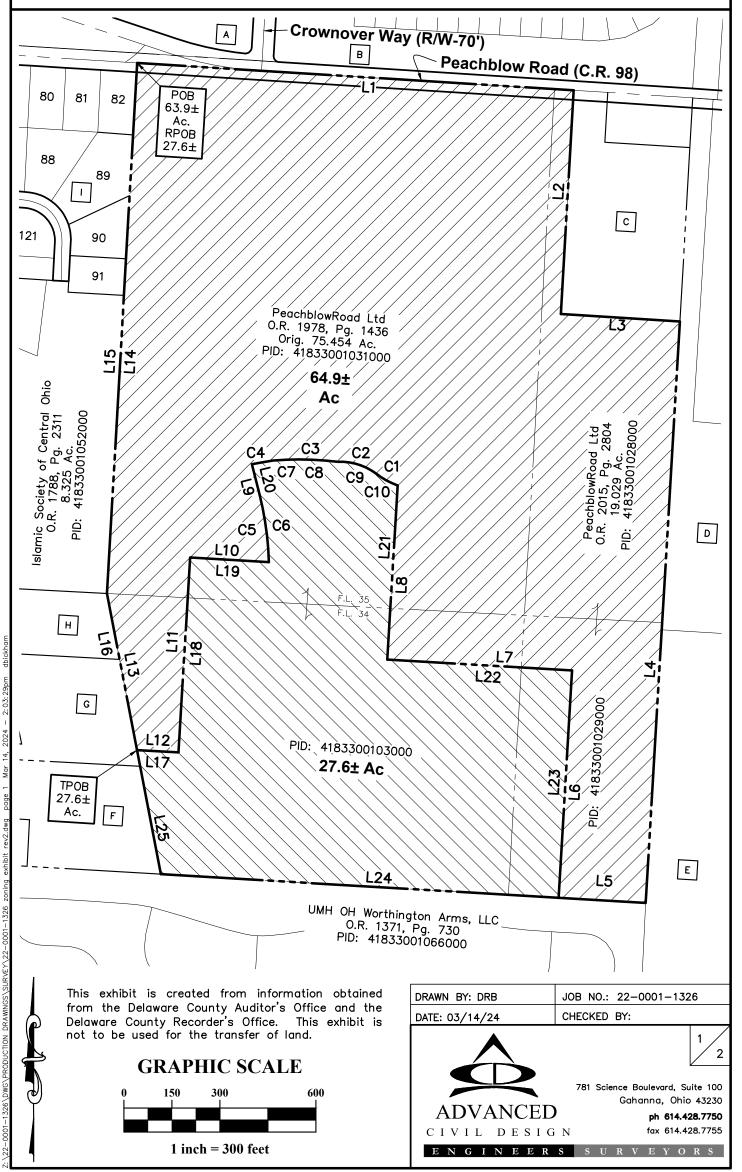
This is not to be used for the transfer of land and is for zoning purposes only.

ADVANCED CIVIL DESIGN, INC.

Z:22-0001-1326\Survey\22-0001-1326 27.6 ac zoning desc.doc

ZONING EXHIBIT ~ 64.9± ACRES AND 27.6± ACRES

SITUATED IN THE STATE OF OHIO, COUNTY OF DELAWARE, TOWNSHIP OF BERLIN, RANGE 18, TOWNSHIP 4, SECTION 3, FARM LOTS 34 AND 35, UNITED STATES MILITARY DISTRICT



ZONING EXHIBIT $\sim 64.9 \pm ACRES$ AND $26.9 \pm ACRES$

SITUATED IN THE STATE OF OHIO, COUNTY OF DELAWARE, TOWNSHIP OF BERLIN, RANGE 18, TOWNSHIP 4, SECTION 3, FARM LOTS 34 AND 35, UNITED STATES MILITARY DISTRICT

| LINE TABLE | | | |
|------------|-------------------|------------------|--|
| LINE | BEARING | DISTANCE | |
| L1 | S86*24'54"E | 1366.5'± | |
| L2 | S03°16'24"W | 699.9'± | |
| L3 | S86°23'39"E | 372.7 ' ± | |
| L4 | S03*22'25"W | 1820.3'± | |
| L5 | N86°36'06"W | 272.5 ' ± | |
| L6 | N03*22'25"E | 711.7 ' ± | |
| L7 | -7 N86°37'35"W 57 | | |
| L8 | N03°23'54"E | 544.9'± | |
| L9 | S14*07'48"E | 97.6 ' ± | |
| L10 | N86°36'06"W | 246.4'± | |
| L11 | S03°23'54"W | 610.0'± | |
| L12 | N86*59'41"W | 129.8'± | |
| L13 | N10°50'52"W | 498.3'± | |
| L14 | N03°15'13"E | 1660.5'± | |
| L15 | S03°15'13"W | 1660.5'± | |
| L16 | S10*50'52"E | 498.3'± | |
| L17 | S86*59'41"E | 129.8'± | |
| L18 | N03°23'54"E | 610.0'± | |
| L19 | S86*36'06"E | 246.4'± | |

| | LINE TABLE | | | |
|------|-------------|------------------|--|--|
| LINE | BEARING | DISTANCE | | |
| L20 | N14°07'48"W | 97.6 ' ± | | |
| L21 | S03°23'54"W | 544.9'± | | |
| L22 | S86°37'35"E | 578.1'± | | |
| L23 | S03°22'25"W | 711.7 ' ± | | |
| L24 | N86*36'06"W | 1245.1'± | | |
| L25 | N10°50'52"W | 394.6'± | | |

| CURVE TABLE | | | | | |
|-------------|--------------------|----------|---------|---------------|-------------|
| NO. | DELTA | RADIUS | LENGTH | CHORD BEARING | CHORD DIST. |
| C1 | 18*08'41" | 244.99' | 77.58' | N61°02'08"W | 77.3± |
| C2 | 39 ° 22'52" | 184.64' | 126.91 | N72*57'50"W | 124.4± |
| С3 | 11 °4 8'16" | 987.07 | 203.37 | N88*46'58"W | 203.0± |
| C4 | 1*56'28" | 1972.46' | 66.83' | S79*48'36"W | 66.8± |
| C5 | 12*37'08" | 970.00' | 213.63 | S07*49'14"E | 213.2± |
| C6 | 12*37'08" | 970.00' | 213.63' | N07*49'14"W | 213.2± |
| C7 | 1*56'28" | 1972.46' | 66.83' | N79*48'36"E | 66.8± |
| C8 | 11 °4 8'16" | 987.07 | 203.37 | S88*46'58"E | 203.0± |
| С9 | 39 ° 22'52" | 184.64 | 126.91 | S72*57'50"E | 124.4± |
| C10 | 18*08'41" | 244.99' | 77.58' | S61°02'08"E | 77.3± |
| | | | | | |

| Α | Beimont Place Section | / |
|---|-----------------------|---|
| | P.C. 5, Sl. 575 | |
| | Lot 12719 | |
| | 6.479 Ac. | |

Belmont Place Homeowners Assoc.

O.R. 2032, Pg. 1310 PID: 41833002001000

Belmont Place Section 1 P.C. 4, Sl. 40 Lot 10967 5.267 Ac.

Belmont Place Homeowners Assoc.

O.R. 1765, Pg. 1775 PID: 41833002001000

Germann Holdings LLC O.R. 1468, Pg. 1022 5.040 Ac. PID: 41833001027000

Mark E. Vandervort & Jennifer D. Strawser

12.941 Ac. PID: 41833001022000

Peachblow Land LLC O.R. 1728, Pg. 328 Orig. 145.432 Ac. PID: 41833001014000

F NCDCB1 LLC O.R. 1035, 227 4.713 Ac. PIE: 41833001064000 NCDCBT LLC

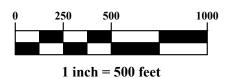
NCDCBT LLC G O.R. 1035, 227 Tract 2 2.631 Ac PID: 41833001062000

2715 Wise Avenue Ltd. O.R. 1546, Pg. 2133 3.67 Ac. PID: 41833001061000

Midway Gardens P.B. 4, Pg. 125

This exhibit is created information obtained from the Delaware County Auditor's Office and the Delaware County Recorder's Office. This exhibit is not to be used for the transfer of land.

GRAPHIC SCALE



DRAWN BY: DRB JOB NO.: 22-0001-1326 CHECKED BY: DATE: 03/14/24 2



781 Science Boulevard, Suite 100 Gahanna, Ohio 43230

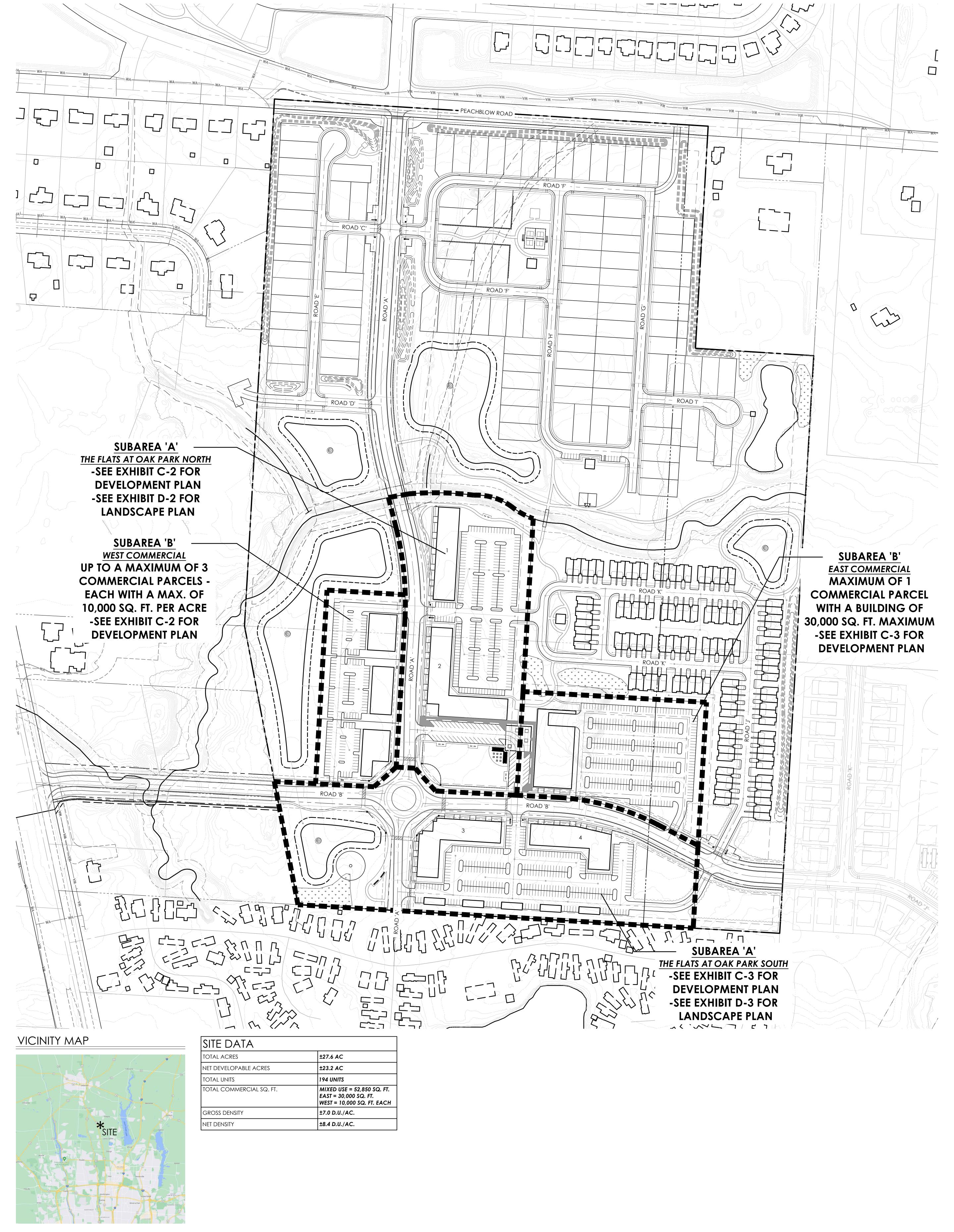
> ph 614.428.7750 fax 614.428.7755

2

E N G I N E E R S S U R V E Y O R S

:\22-0001-1326\DWG\PRODUCTION DRAWINGS\SURVEY\22-0001-1326 zoning

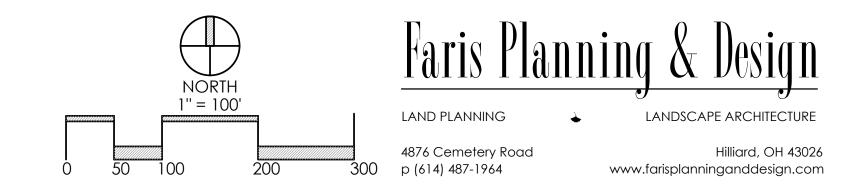
TAB 3 – EXHIBITS 'C-1 through C-9' – Preliminary Development Plans, Phasing Plan, Existing Features Plan, Net Developable Plan, and Illustrative Plans



PRELIMINARY OVERALL DEVELOPMENT PLAN

EXHIBIT C-1



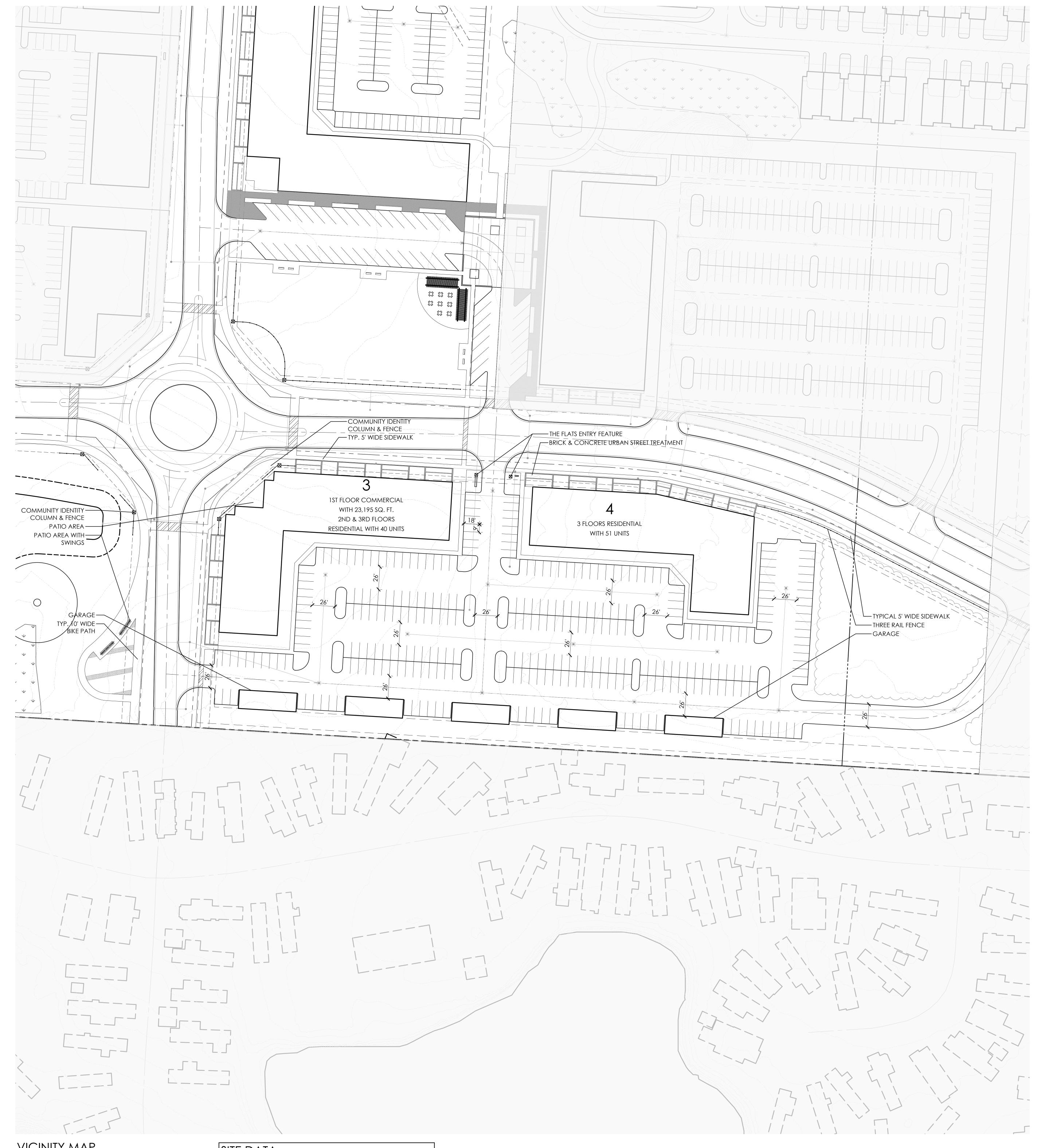


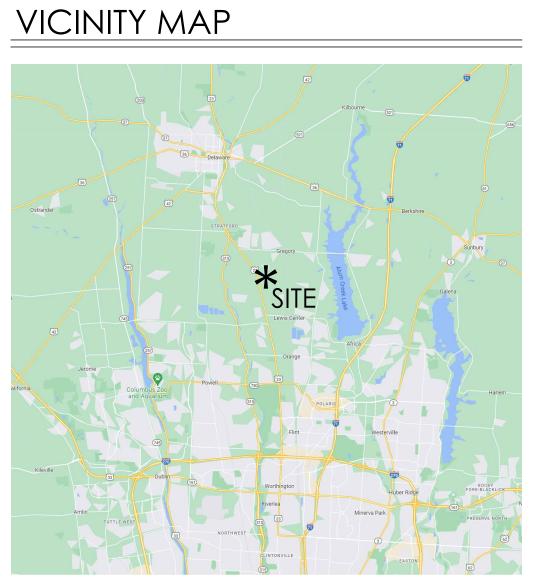


PRELIMINARY DEVELOPMENT PLAN - SUBAREA 'A'









| SITE DATA | |
|--------------------------|---|
| TOTAL ACRES | ±27.6 AC |
| NET DEVELOPABLE ACRES | ±23.2 AC |
| TOTAL UNITS | 194 UNITS |
| TOTAL COMMERCIAL SQ. FT. | MIXED USE = 52,850 SQ. FT. EAST = 30,000 SQ. FT. WEST = 10,000 SQ. FT. EACH |
| GROSS DENSITY | ±7.0 D.U./AC. |
| NET DENSITY | ±8.4 D.U./AC. |

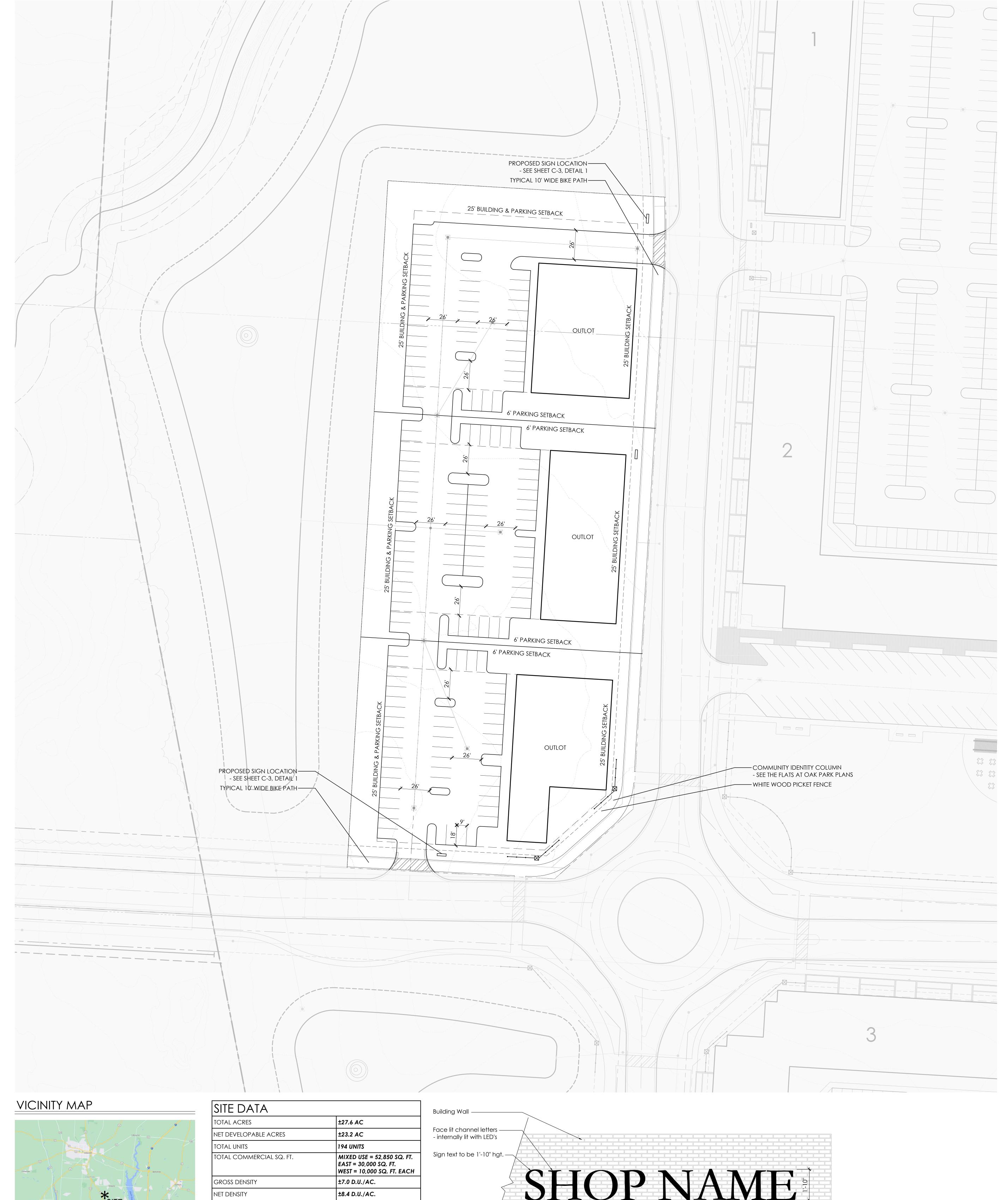
| SITE DATA: SUBAREA 'A' | | |
|--------------------------|--------------------|--|
| TOTAL UNITS | AL UNITS 194 UNITS | |
| TOTAL COMMERCIAL SQ. FT. | 52,850 SQ. FT. | |
| GROSS DENSITY | ±7.0 D.U./AC. | |
| NET DENSITY | ±8.4 D.U./AC. | |
| TOTAL OPEN SPACE | ±8.00 AC (28.9%) | |
| | | |

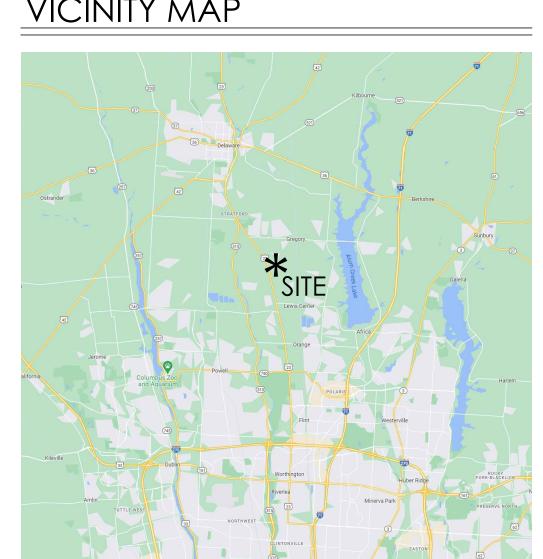
PRELIMINARY DEVELOPMENT PLAN - SUBAREA 'A'

EXHIBIT C-2.1









| SITE DATA | |
|--------------------------|---|
| TOTAL ACRES | ±27.6 AC |
| NET DEVELOPABLE ACRES | ±23.2 AC |
| TOTAL UNITS | 194 UNITS |
| TOTAL COMMERCIAL SQ. FT. | MIXED USE = 52,850 SQ. FT. EAST = 30,000 SQ. FT. WEST = 10,000 SQ. FT. EACH |
| GROSS DENSITY | ±7.0 D.U./AC. |
| NET DENSITY | ±8.4 D.U./AC. |

| SITE DATA: SUBAREA 'B' | |
|-------------------------------|---------------------|
| TOTAL COMMERCIAL SQ. FT. EAST | 30,000 SQ. FT. |
| TOTAL COMMERCIAL SQ. FT. WEST | 10,000 SQ. FT. EACH |
| LOT COVERAGE | 80.0% |
| TOTAL OPEN SPACE | 20.0% |
| | |



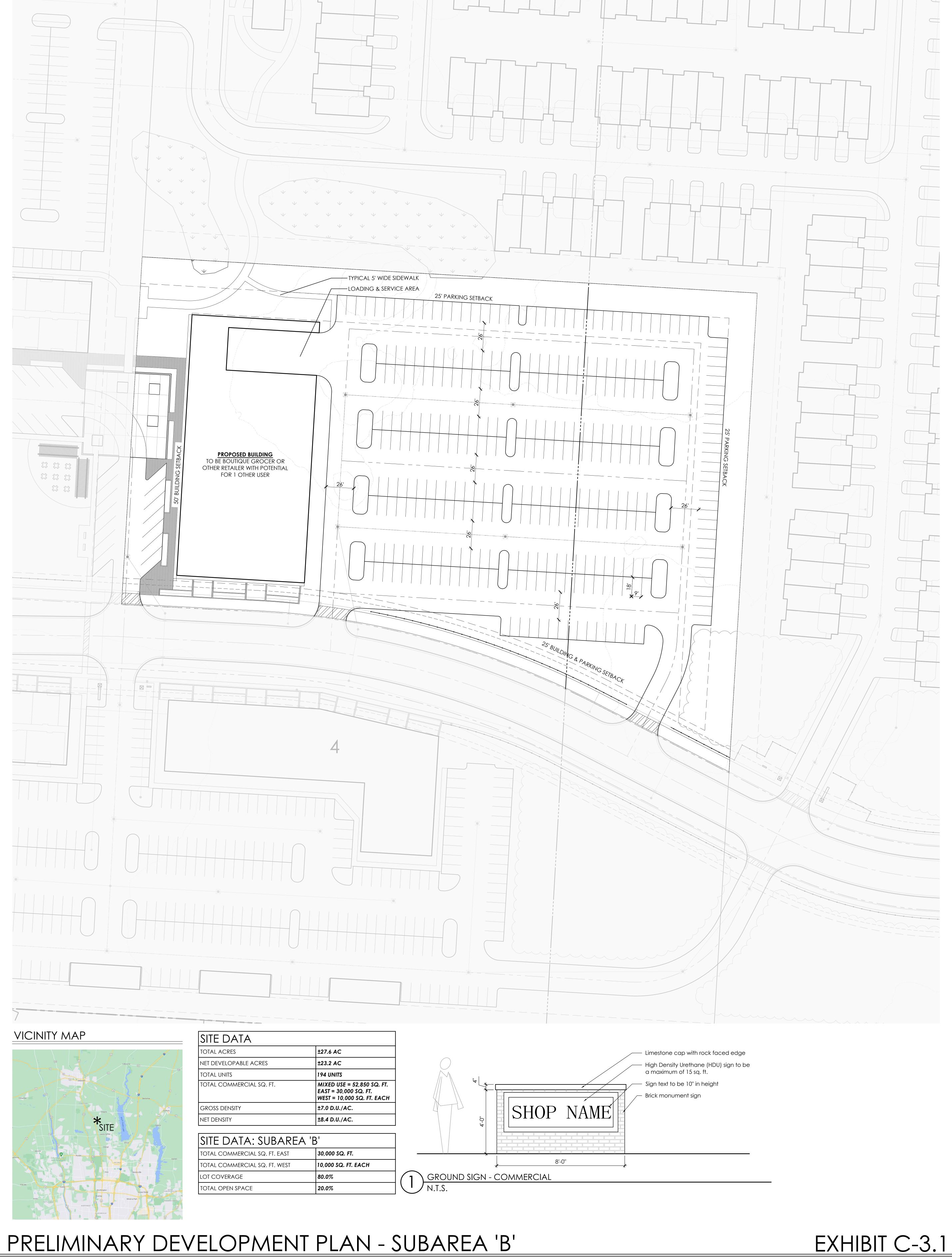
WALL SIGN - LARGE COMMERCIAL N.T.S.

PRELIMINARY DEVELOPMENT PLAN - SUBAREA 'B'

EXHIBIT C-3 Faris Planning & Design













PHASING PLAN

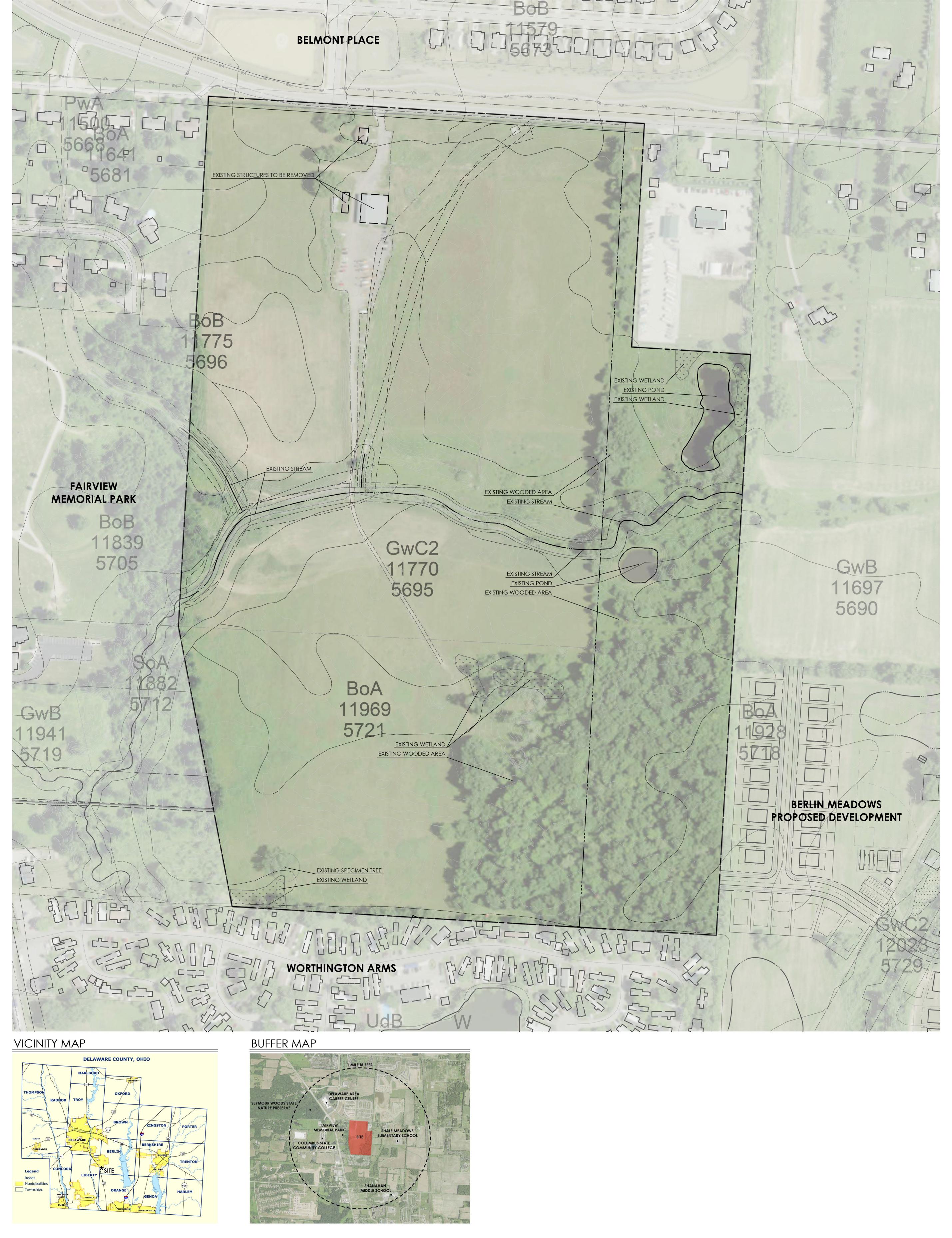
EXHIBIT C-4

Faris Planning & Design

LAND PLANNING LANDSCAPE ARCHITECTURE

4876 Cemetery Road Hilliard, OH 43026

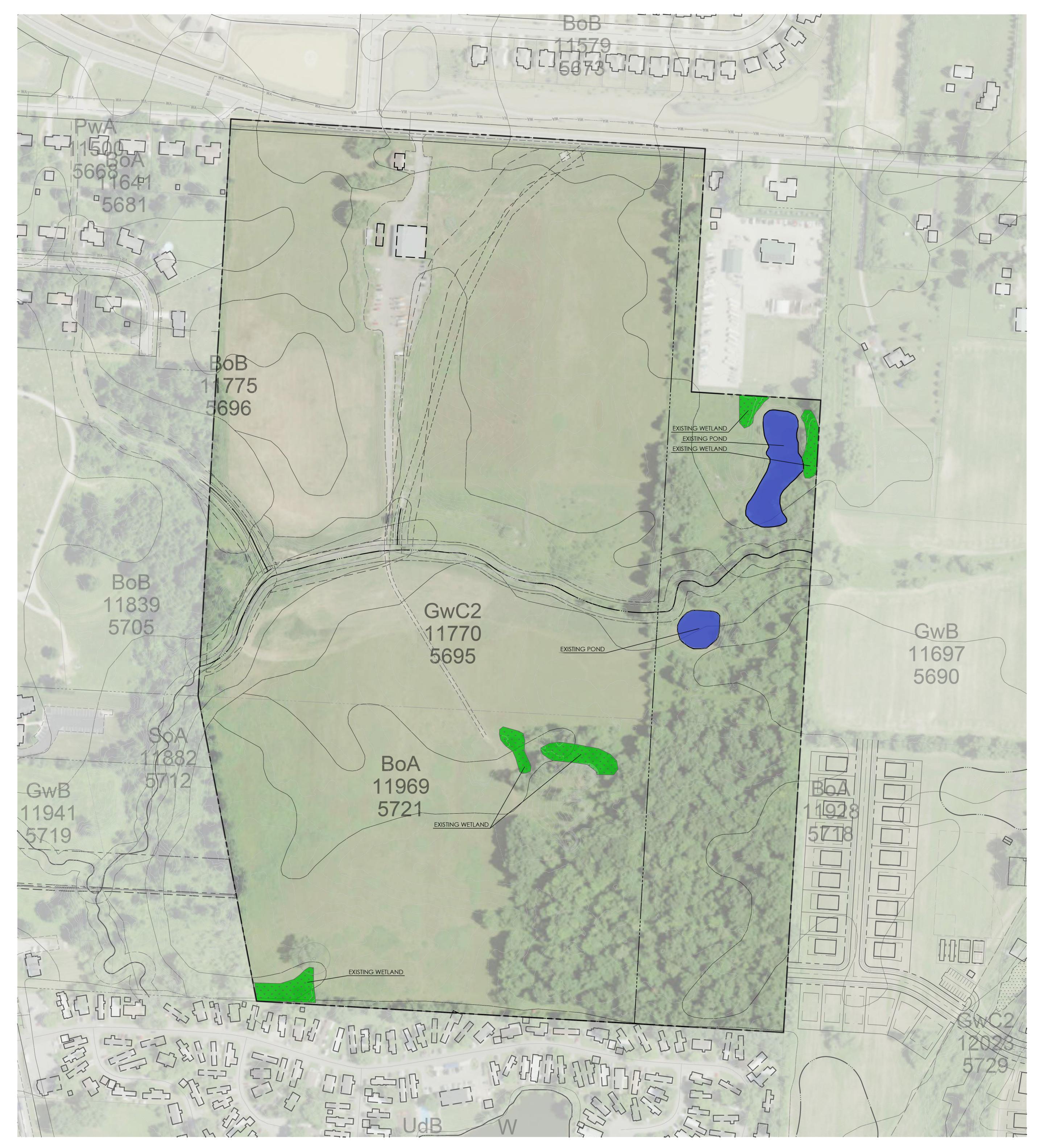
p (614) 487-1964 www.farisplanninganddesign.com



EXISTING FEATURES PLAN

EXHIBIT C-5





| SITE DATA | | | | |
|---|--|---|--|--|
| TRANSITIONAL PLANNED UNIT DEVELOPMENT (TPUD) | | PLANNED COMMERCIAL AND | PLANNED COMMERCIAL AND OFFICE DISTRICT (PCD) | |
| TOTAL ACRES | ±64.9 AC | TOTAL ACRES | ±27.6 AC | |
| NET DEVELOPABLE ACRES | ±53.8 AC | NET DEVELOPABLE ACRES | ±23.2 AC | |
| TOTAL UNITS - 109 CONDOMINIUMS - 108 TOWNHOMES | 5 TO 10 TO 1 | TOTAL UNITS | 194 MULTI-FAMILY UNITS | |
| | TOTAL COMMERCIAL SQ. FT. | MIXED USE = 52,850 SQ. FT. GROCERY = 26,000 SQ. FT. OUTLOTS = 10,000 SQ. FT. PER OUTLOT | | |
| GROSS DENSITY | ±3.3 D.U./AC | GROSS DENSITY | ±7.0 D.U./AC | |
| NET DENSITY | ±4.0 D.U./AC | NET DENSITY | ±8.4 D.U./AC | |
| NET DENSITY CALCULATION: 64.9 AC x 0.85 = 55.2 AC 55.2 AC - 1.4 AC = 53.8 AC NET | | NET DENSITY CALCULATION: 27.6 AC x 0.85 = 23.5 AC 23.5 AC - 0.3 AC = 23.2 AC NET | | |

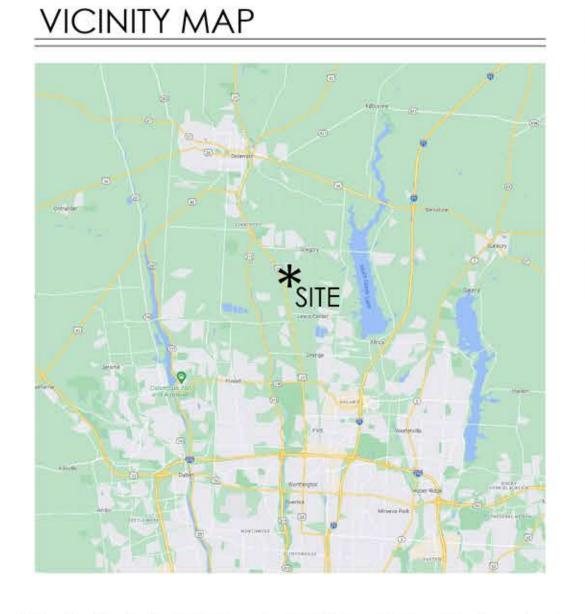
NET DEVELOPABLE PLAN

EXHIBIT C-6









| SITE DATA | |
|--------------------------|---|
| TOTAL ACRES | ±27.6 AC |
| NET DEVELOPABLE ACRES | ±23.2 AC |
| TOTAL UNITS | 194 UNITS |
| TOTAL COMMERCIAL SQ. FT. | MIXED USE = 52,850 SQ. FT. EAST = 30,000 SQ. FT. WEST = 10,000 SQ. FT. EACH |
| GROSS DENSITY | ±7.0 D.U./AC. |
| NET DENSITY | ±8.4 D.U./AC. |

| TOTAL UNITS | 194 UNITS |
|--------------------------|------------------|
| TOTAL COMMERCIAL SQ. FT. | 52,850 SQ. FT. |
| GROSS DENSITY | ±7.0 D.U./AC. |
| NET DENSITY | ±8.4 D.U./AC. |
| TOTAL OPEN SPACE | ±8.00 AC (28.9%) |

| SITE DATA: SUBAREA | λ 'B' |
|-------------------------------|---------------------|
| TOTAL COMMERCIAL SQ. FT. EAST | 30,000 SQ. FT. |
| TOTAL COMMERCIAL SQ. FT. WEST | 10,000 SQ. FT. EACH |
| LOT COVERAGE | 80.0% |
| TOTAL OPEN SPACE | 20.0% |

ILLUSTRATIVE PLAN

EXHIBIT C-7

Faris Planning & Design

LAND PLANNING LANDSCAPE ARCHITECTURE

4876 Cemetery Road

Hilliard, OH 43026

OAK PARK PREPARED FOR KIRAN BASIREDDY









(4) DOG PARK



(7) BLACK HORSE FENCE ALONG WOODED AREA



2 COVERED SHELTER



(5) PICKLEBALL COURT



3 COVERED SHELTER



6 PEDESTRIAN BRIDGE

* IMAGES SHOWN ARE REPRESENTATIVE ONLY. ACTUAL PRODUCTS AND LAYOUTS TO BE DETERMINED AT FINAL DEVELOPMENT.

LANDSCAPE AND AMENITY CHARACTER

OAK PARK
PREPARED FOR KIRAN BASIREDDY

EXHIBIT C-8

Faris Planning & Design





(1) GRASS MEADOW STREAM BANK



(2) WOODED MEADOW STREAM BANK



(3) NATURALIZED POND



(4) PATHWAY ALONG POND



PATHWAY THROUGH MEADOW



(6) NATURALIZED POND EDGE



POND OVERLOOK SEATING



8 POND OVERLOOK SEATING

ACTUAL PRODUCTS AND LAYOUTS TO BE DETERMINED AT FINAL DEVELOPMENT.

* IMAGES SHOWN ARE REPRESENTATIVE ONLY.

LANDSCAPE AND AMENITY CHARACTER





COMMUNITY GREEN ILLUSTRATIVE PLAN

Faris Planning & Design LAND PLANNING 4876 Cemetery Road

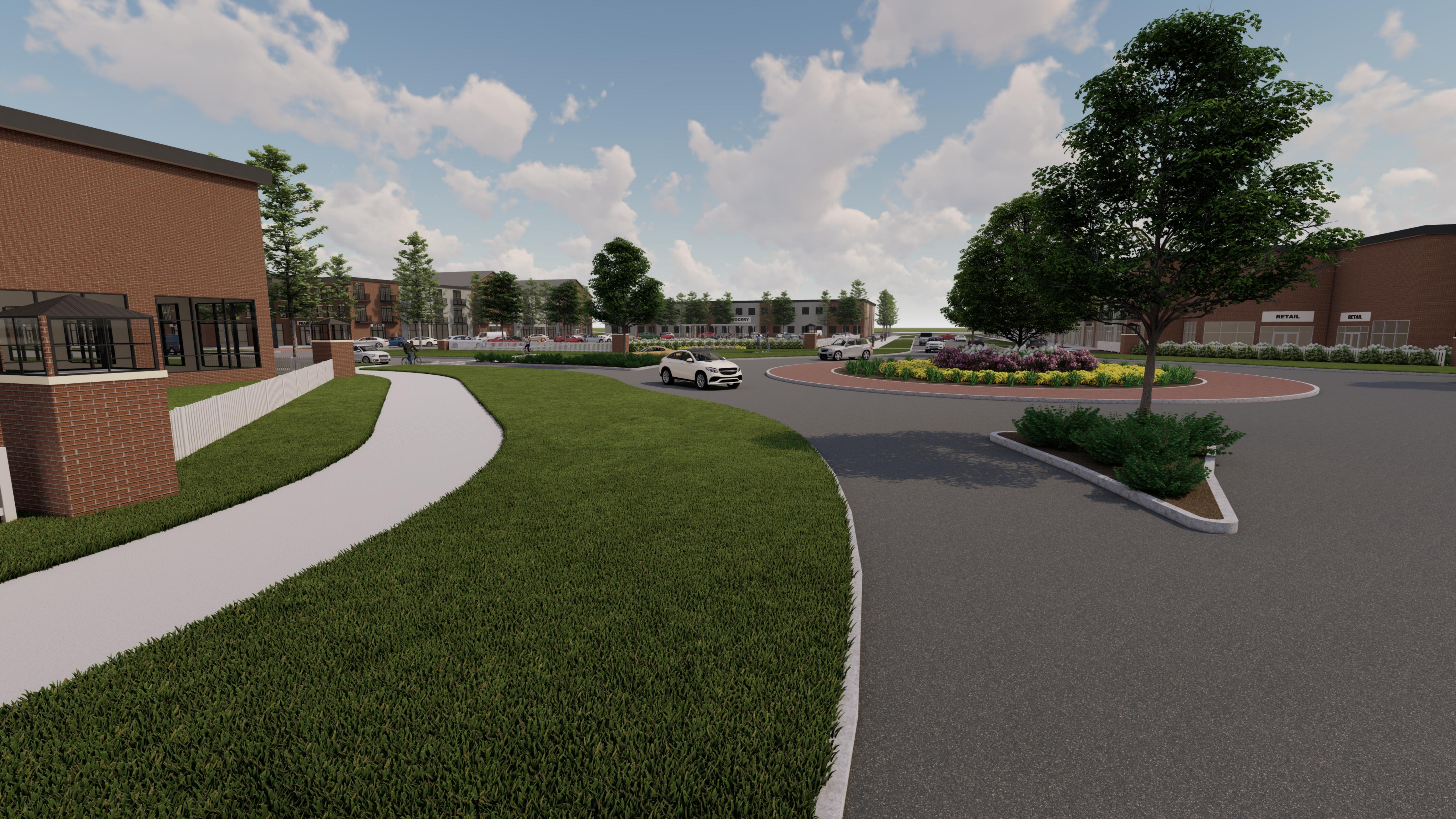
EXHIBIT C-9

Hilliard, OH 43026





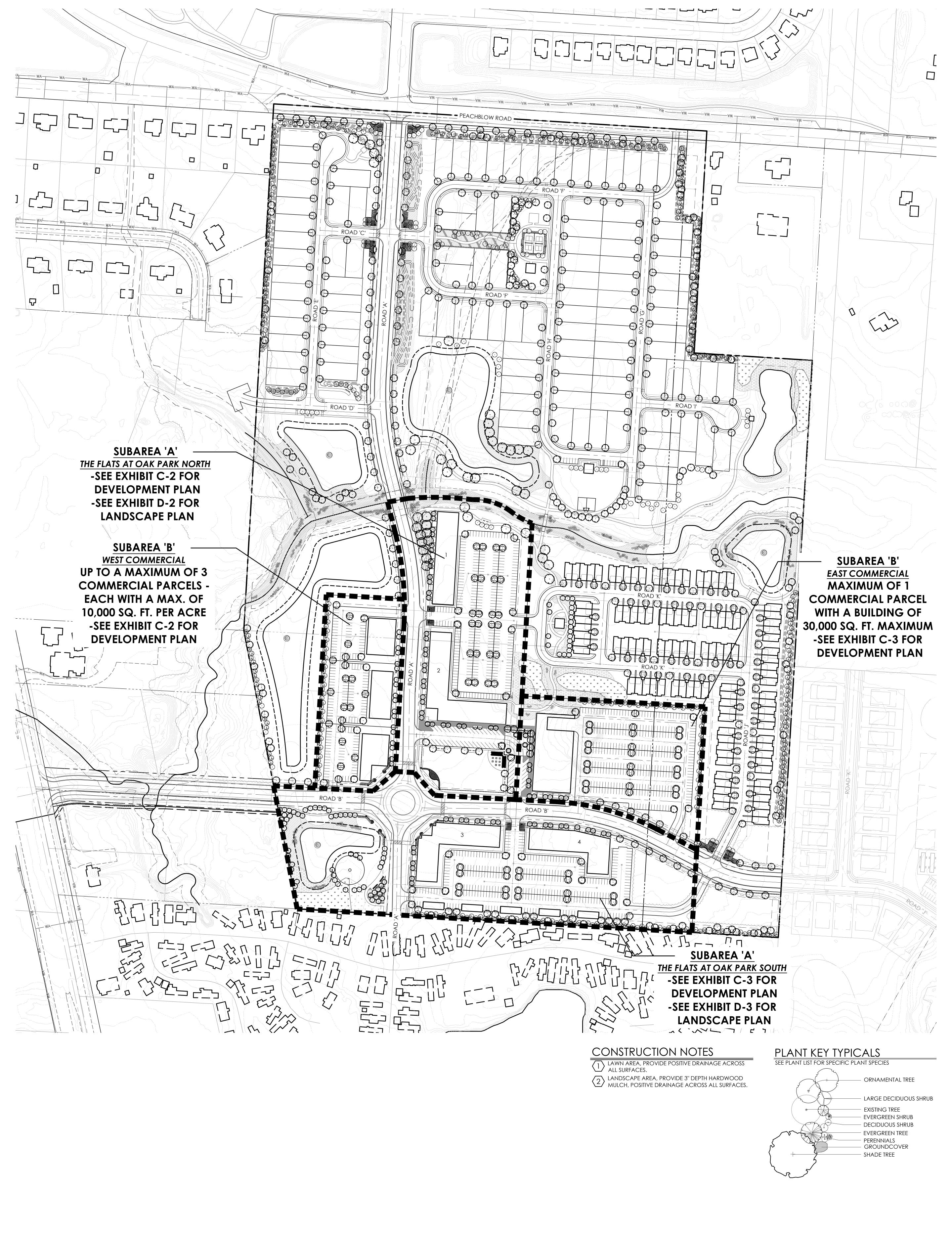




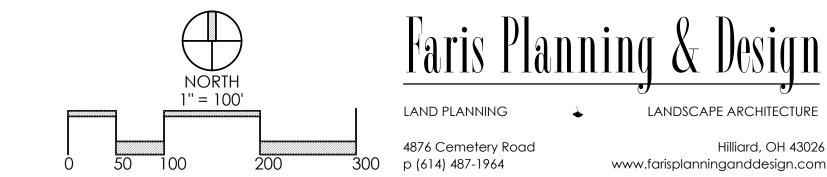


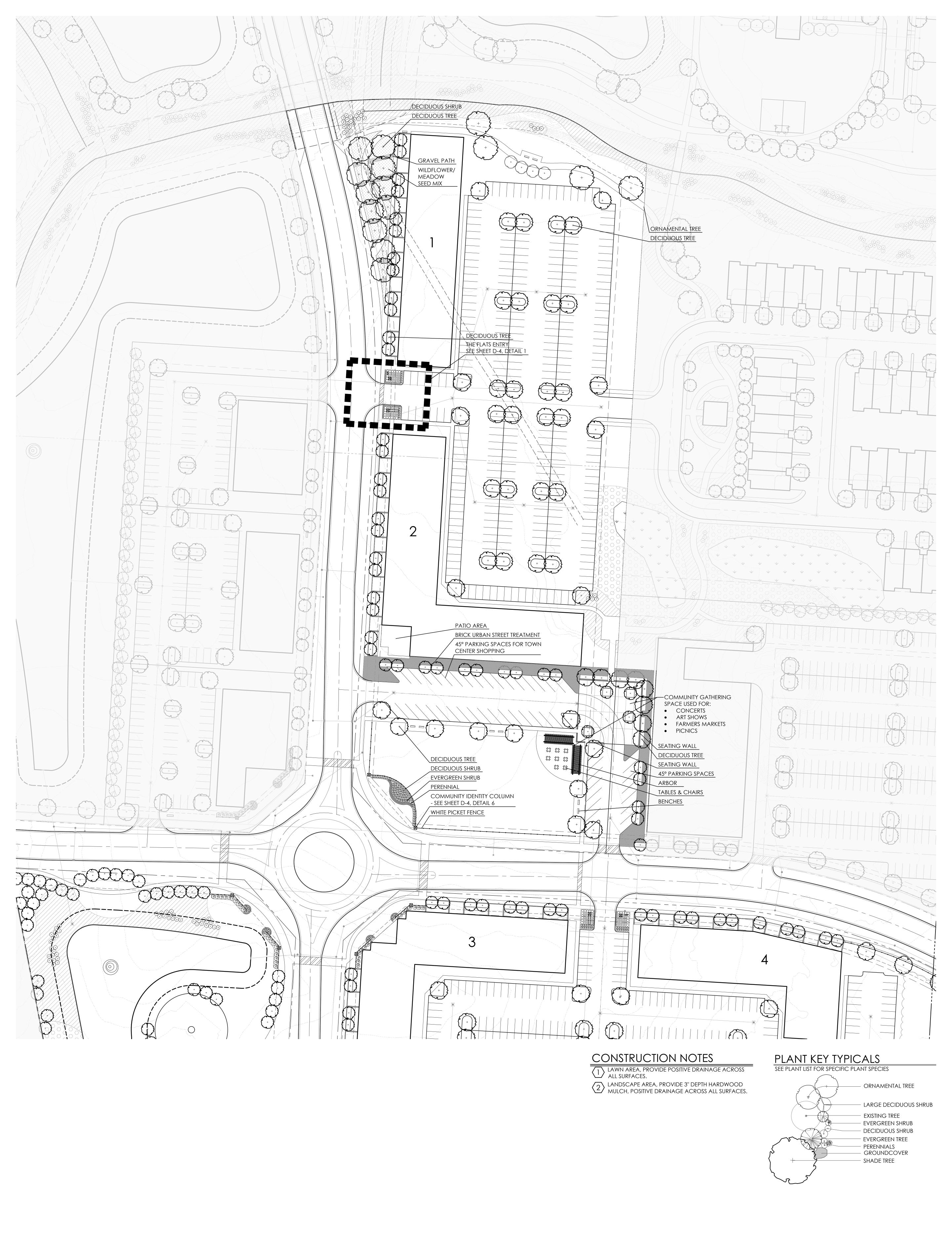


TAB 4 – EXHIBITS 'D-1 through D-5' – Overall Landscape Plans, Landscape Enlargement Plans, and Open Space Plan



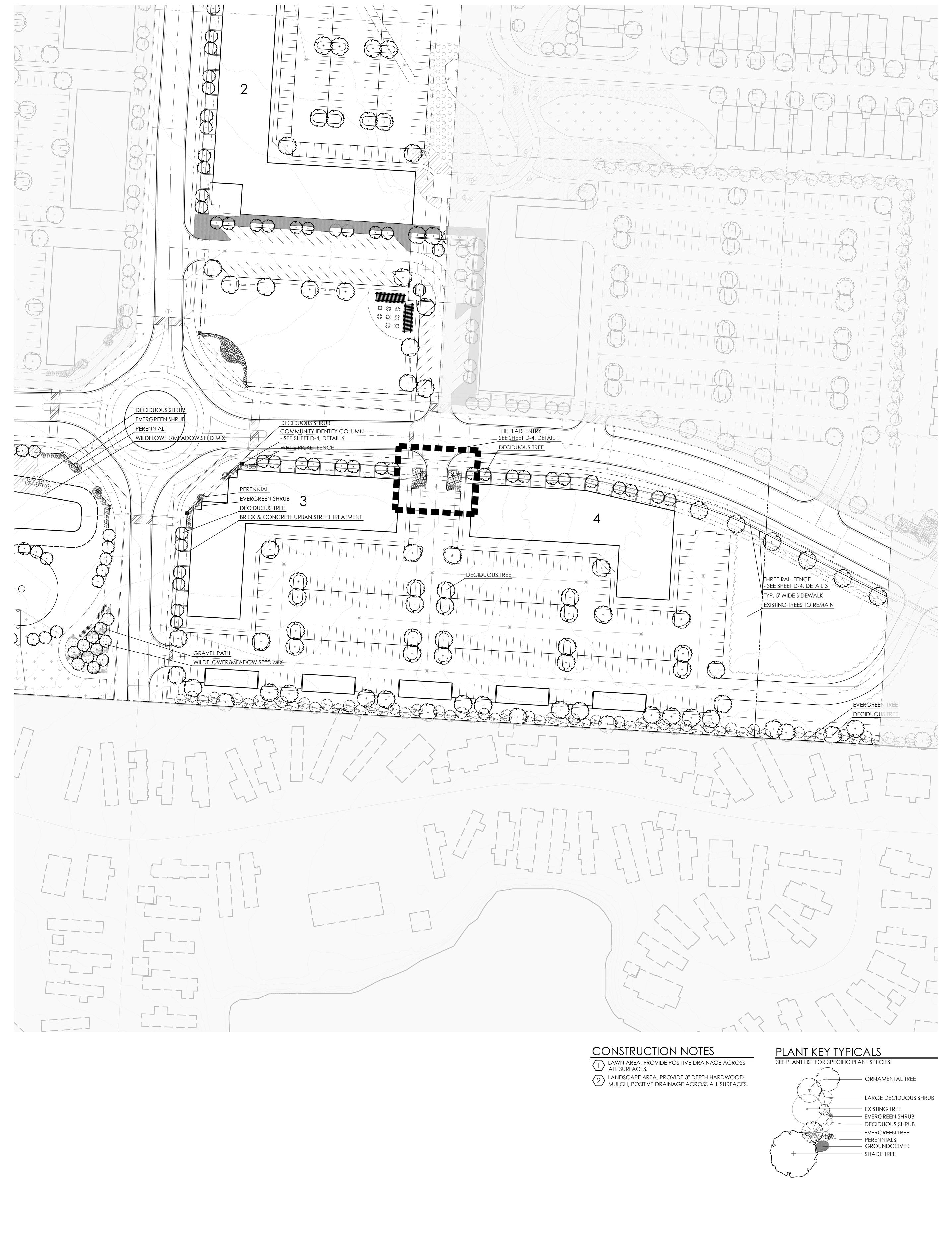
OVERALL LANDSCAPE PLAN





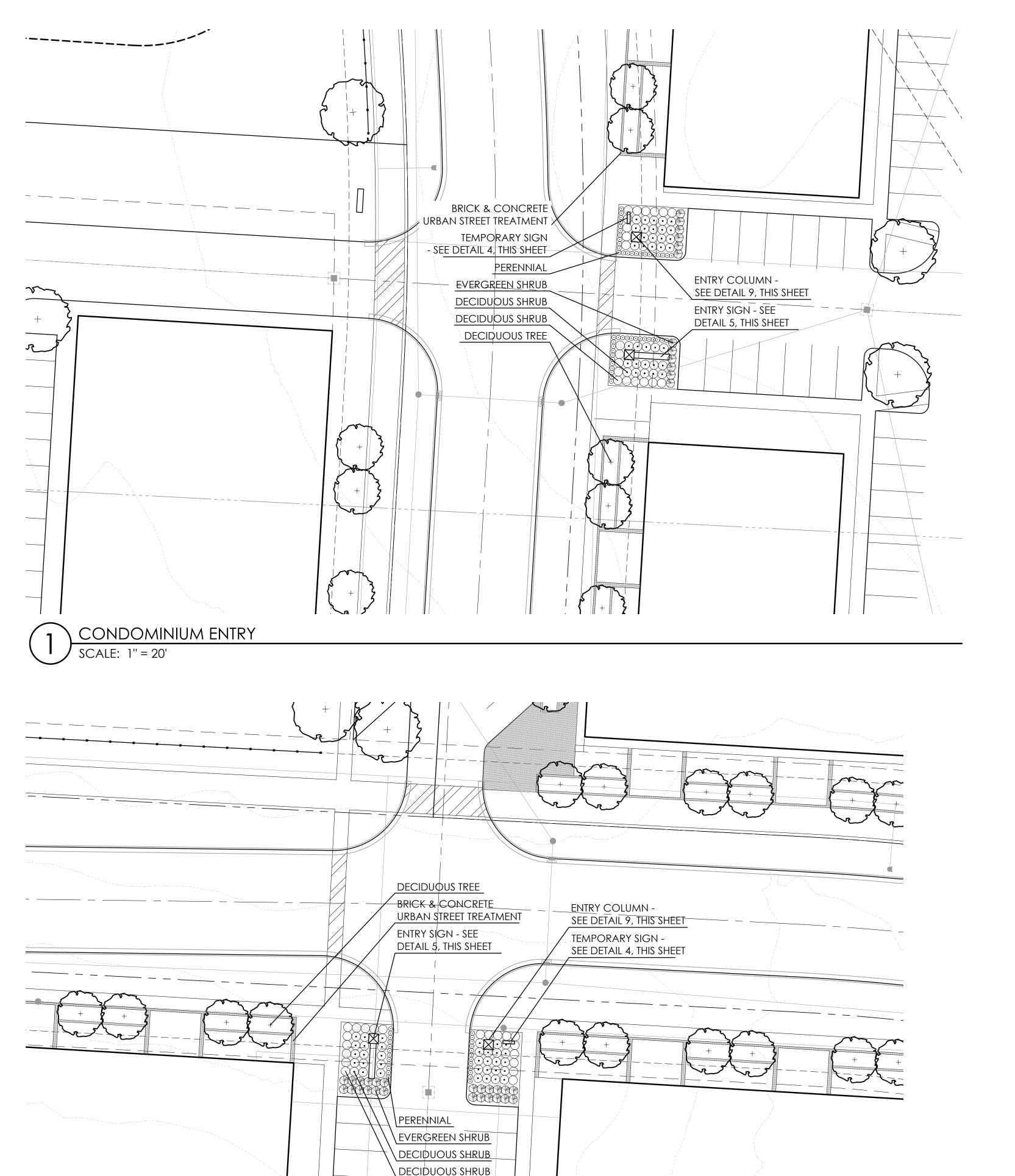
LANDSCAPE PLAN - SUBAREA 'A' - THE FLATS NORTH





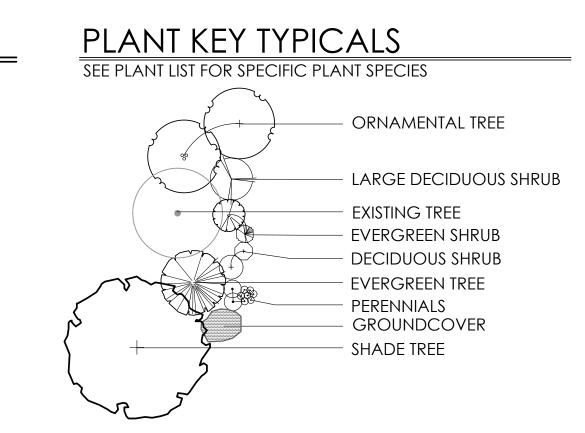
LANDSCAPE PLAN - SUBAREA 'A' - THE FLATS SOUTH

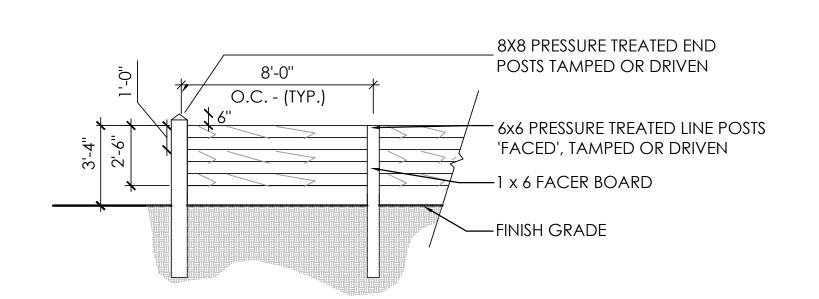






- 2 LANDSCAPE AREA, PROVIDE 3" DEPTH HARDWOOD MULCH, POSITIVE DRAINAGE ACROSS ALL SURFACES.
- ENTRY SIGN. SEE DETAIL X, SHEET X-X FOR MORE INFORMATION.





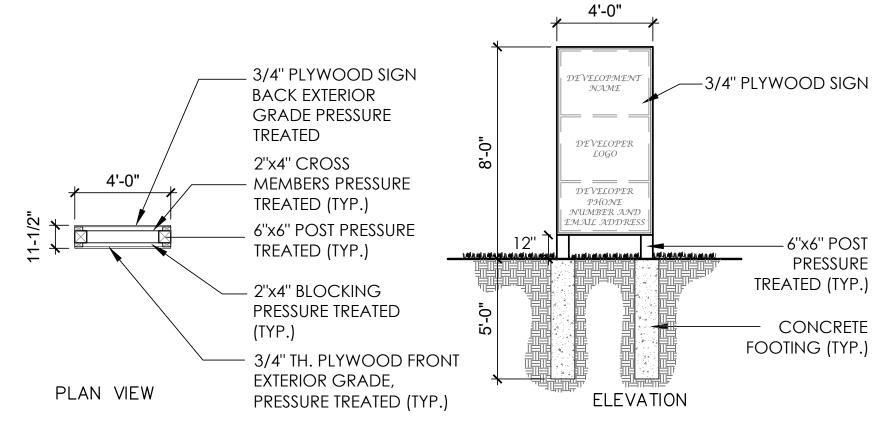
POSTS SHALL BE SOUND, STRAIGHT, AND FREE FROM KNOTS, SPLITS, AND SHAKES, AND PEELED THEIR ENTIRE LENGTH. BOTH ENDS SHALL BE DOUBLE TRIMMED AND SAWED SQUARE

FENCE BOARDS BOARDS SHALL BE 1" X 6" X 16' POPLAR, PRESSURE TREATED. THE BOARDS SHALL BE SOUND, STRAIGHT AND FREE OF KNOTS AND SHAKES

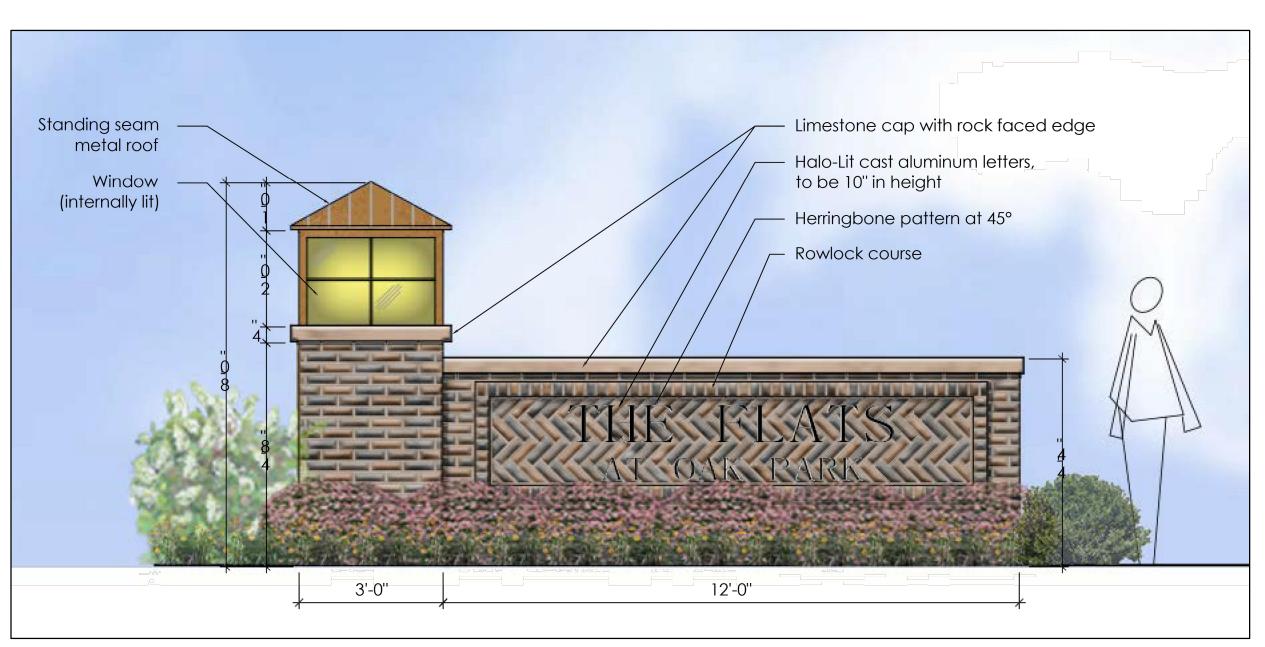
FASTENERS PAINT SHALL BE A SEMI GLOSS BLACK NAILS-10D PLAIN SHANK BOX GALVANIZED

3 RAIL FENCE

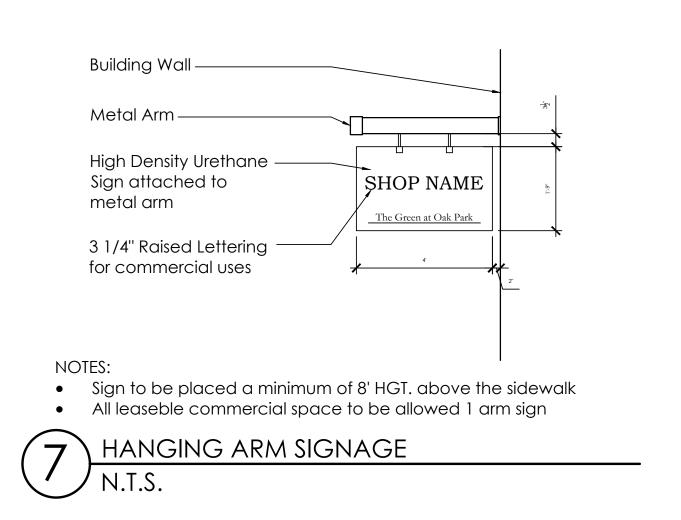
NOTE: 19' MIN. SETBACK FROM R.O.W. SIGNAGE TO BE DOUBLE SIDED



TEMPORARY SIGN DETAIL



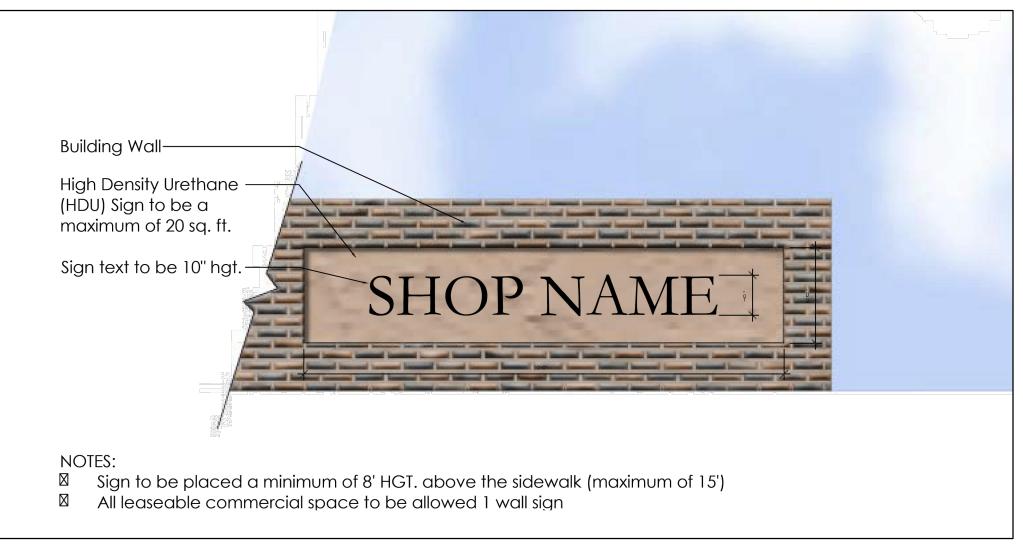


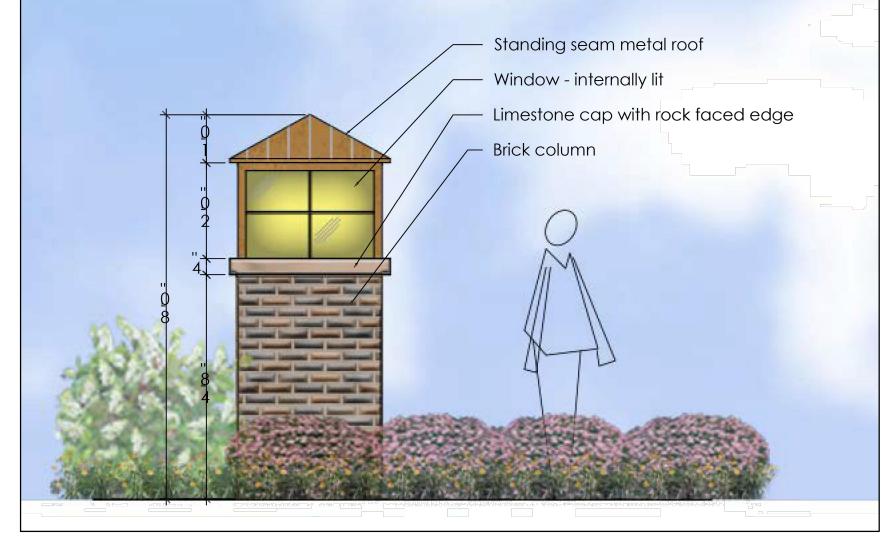


5 ENTRY SIGN SCALE: N.T.S.

TOWNHOME ENTRY

COMMUNITY IDENTIFYING COLUMN SCALE: N.T.S.





WALL SIGN-SMALL COMMERCIAL SCALE: N.T.S.

ENTRY SIGN COLUMN SCALE: N.T.S.



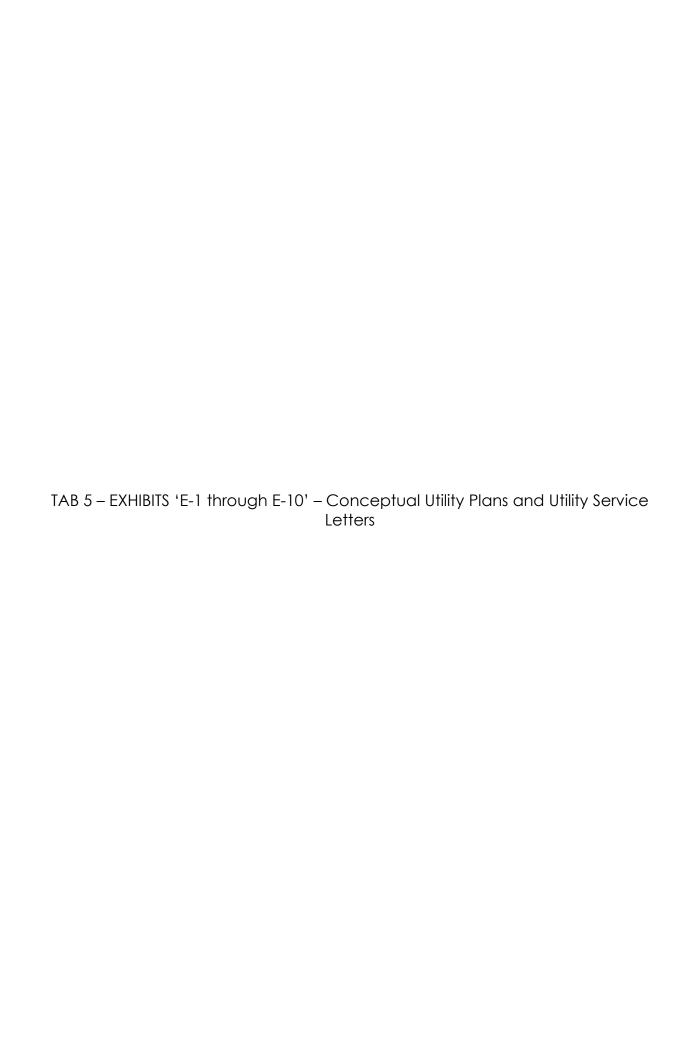
| OPEN SPACE DATA: SUBAREA 'A' | | |
|--------------------------------|----------|--|
| OPEN SPACE PROVIDED | ±8.00 AC | |
| PERCENTAGE OPEN SPACE PROVIDED | ±28.9% | |
| OPEN SPACE DATA: SUBAREA 'B' | | |
| OPEN SPACE PROVIDED | 20.0% | |

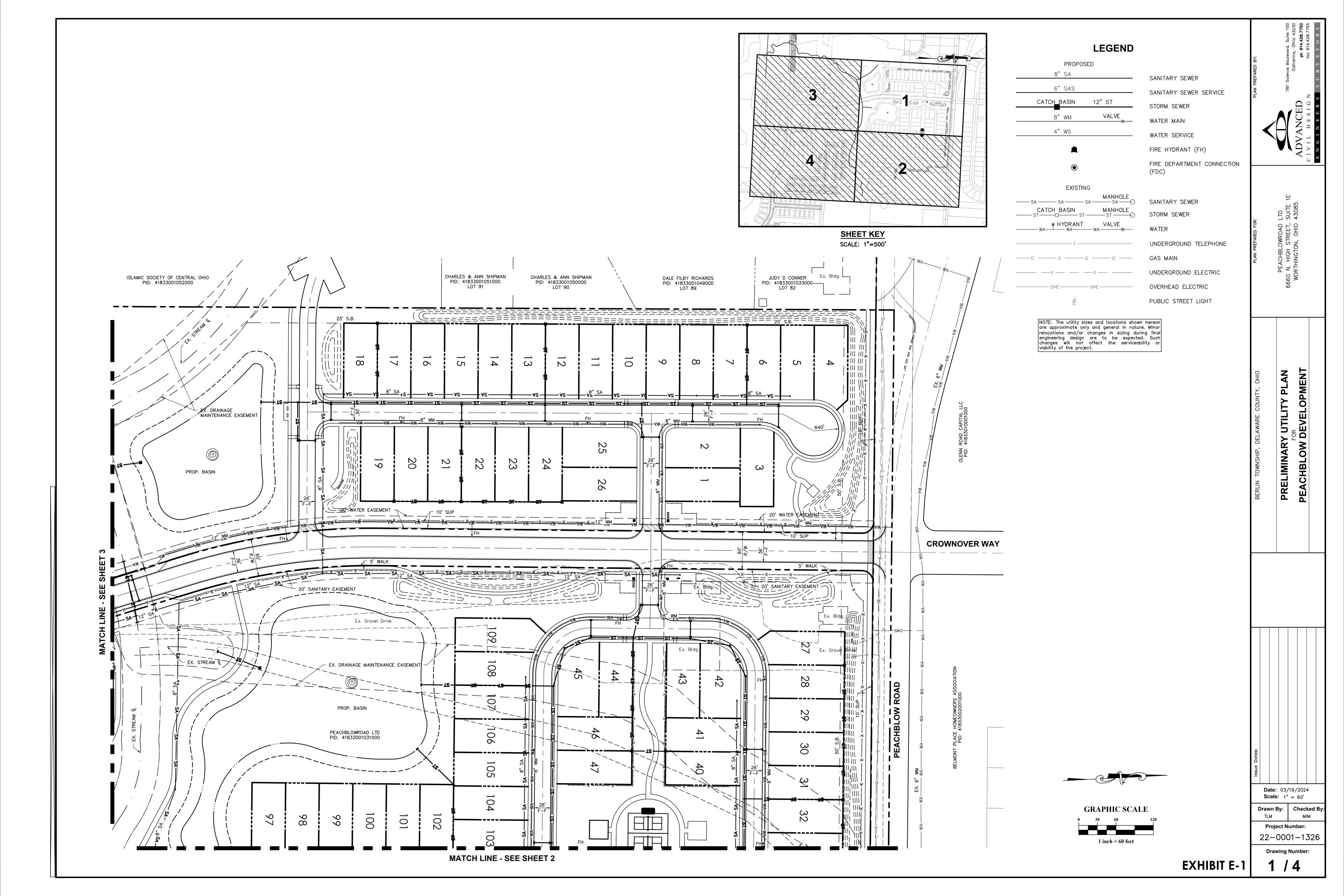
* SUBAREA B OPEN SPACE IS NOT GRAPHICALLY REPRESENTED ON THIS PLAN. OPEN SPACE LOCATIONS AND EXACT ACREAGE TO BE DETERMINED AT FINAL DEVELOPMENT AND WILL BE A MINIMUM OF 20%.

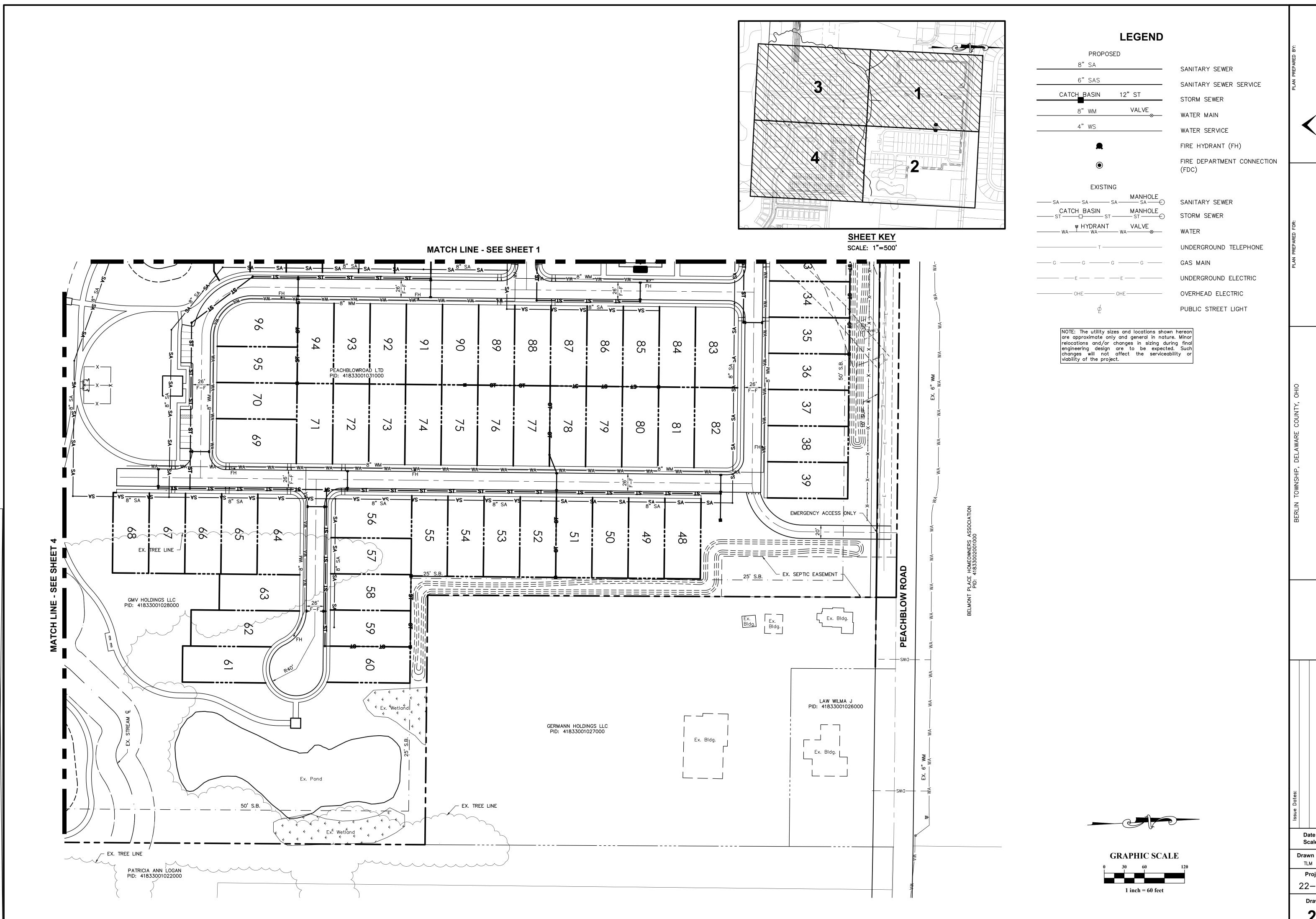
OPEN SPACE PLAN











781 Science Boulevard, Suite Gahanna, Ohio 4 **ph 614.428** fax 614.428

ADVANCED STUTE DESTGN

PEACHBLOWROAD LTD 3660 N. HIGH STREET, SUITE 18 WORTHINGTON, OHIO 43085

PRELIMINARY UTILITY PLAN
FOR
PEACHBLOW DEVELOPMENT

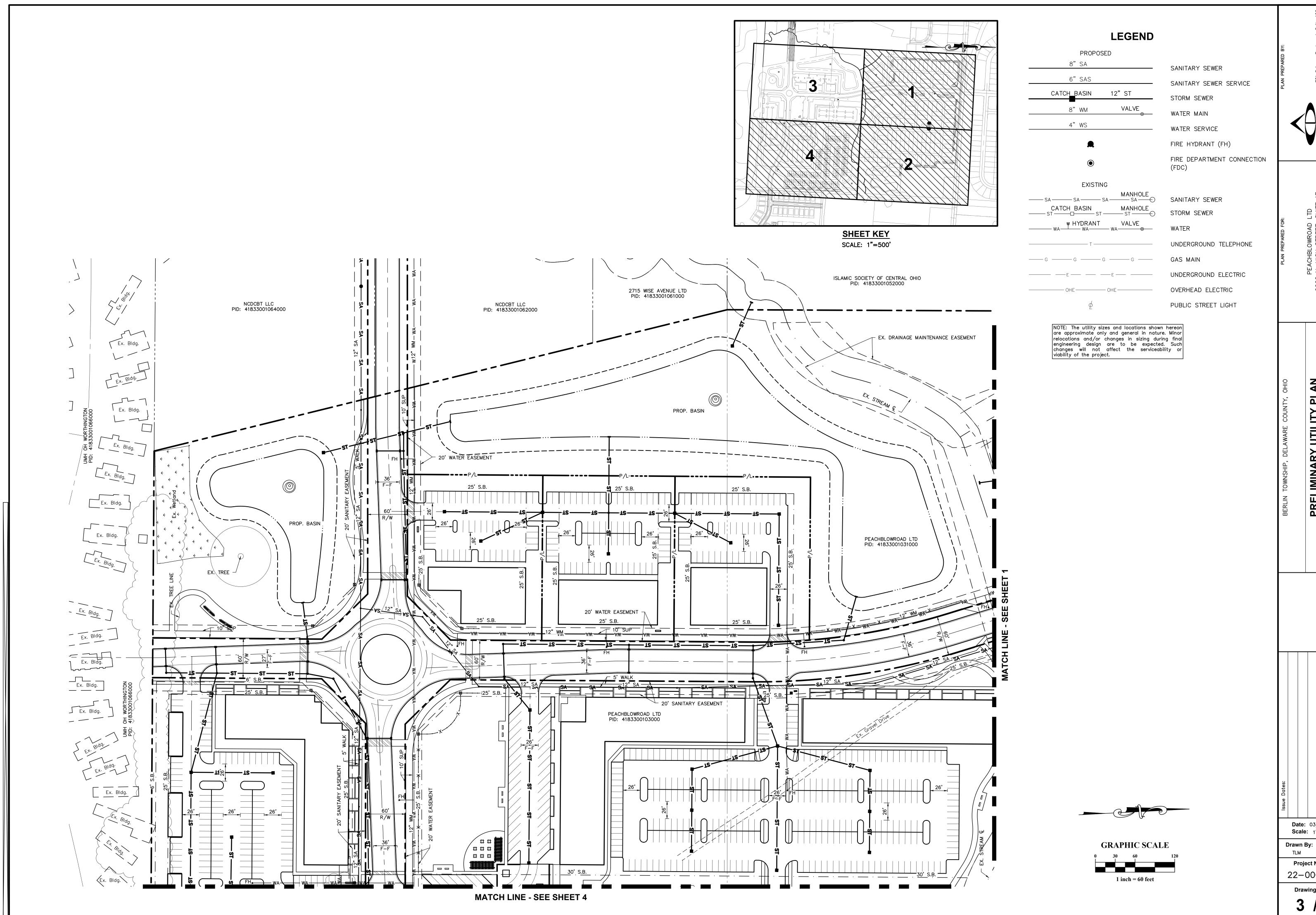
Date: 03/19/2024 **Scale**: 1" = 60'

Drawn By: Checked B
TLM MIM
Project Number:

22-0001-1326

Drawing Number:

2 / 4



p July

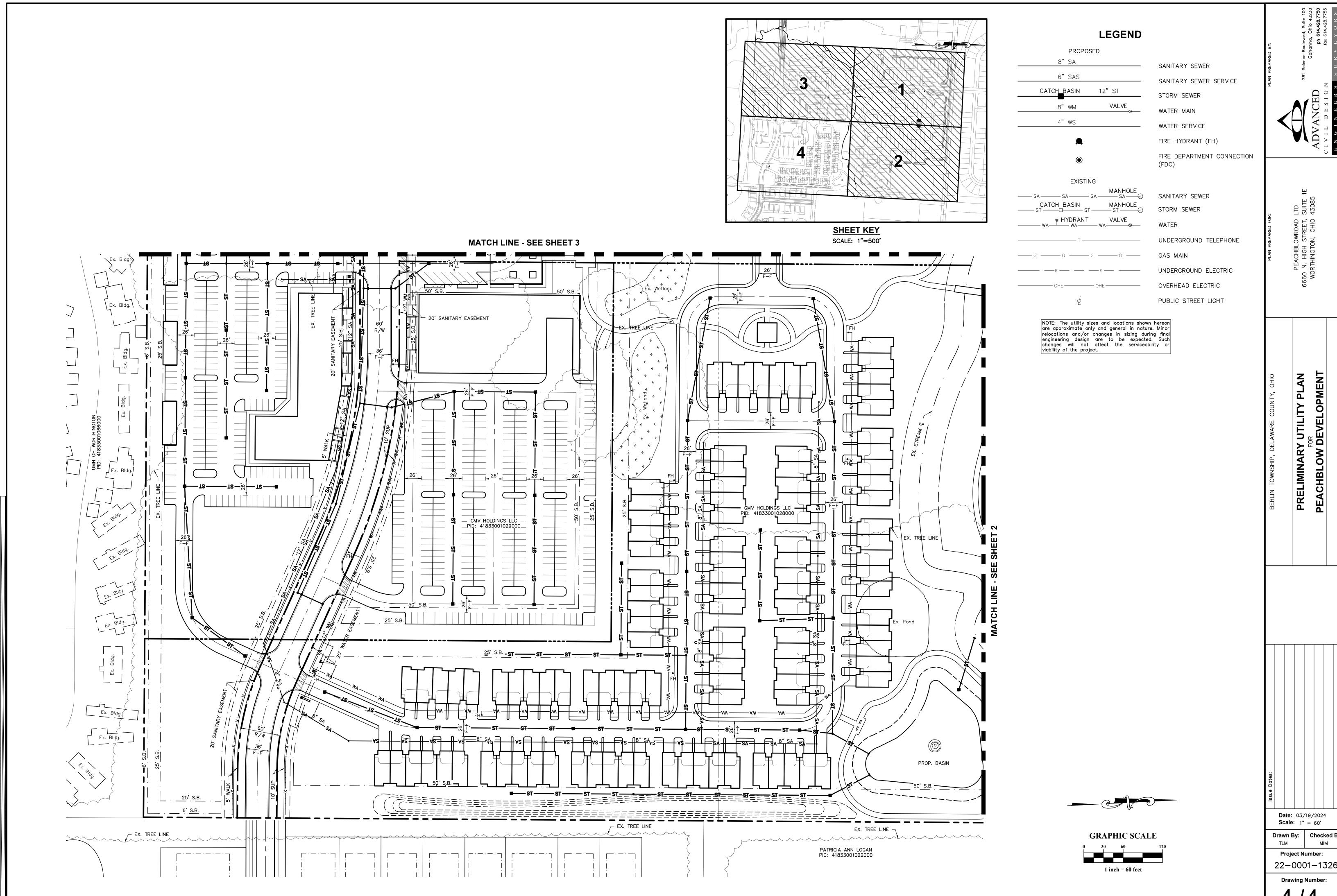
PEACHBLOW DEVELOPMENT

Date: 03/19/2024 **Scale:** 1" = 60'

Drawn By: Checked B **Project Number:**

22-0001-1326

Drawing Number: 3 / 4



PEACHBLOW DEVELOPMENT

ulevard, Suite 100 nna, Ohio 43230 **ph 614.428.7750** fax 614.428.7755

Date: 03/19/2024 **Scale:** 1" = 60'

Drawn By: | Checked B **Project Number:**

Drawing Number: 4 / 4



Delaware County

Regional Sewer District

Director/Sanitary Engineer Tiffany M. Maag, P.E.

July 31, 2023

Tom M. Warner Advanced Civil Design, Inc. 781 Science Boulevard, Suite 100 Gahanna, OH 43230 sent via email: oh-intern@advancedcivildesign.com

Re: Request for Sewer Capacity

Peachblow Road, Berlin Township

Parcels: 41833001031000, 41833001030000, 41833001029000, 41833001028000

Dear Mr. Warner:

Pursuant to your request dated June 19, 2023, for a sanitary sewer service letter for the aforementioned parcels, we offer the following conditional sanitary sewer availability:

Availability

The Delaware County Sanitary Engineer's Office can confirm that public sanitary sewer is available to serve the above referenced parcels provided that the development obtain sanitary service via the 12" sanitary sewer south of the subject parcel that will be constructed as part of the Greenery project. Extensions from the existing sanitary sewer will be necessary to provide service to the proposed development.

Capacity

Capacity is conditionally available to serve the proposed development. Capacity for the proposed development **is not reserved** until such time that all the requirements for the sewer extension or commercial tap permit have been fulfilled. Sewer capacity is dynamic and subject to decrease pending ongoing development.

If you should have any questions or concerns about this correspondence, please feel free to contact me.

Sincerely,

Kelly Shirl

Kelly Thiel Staff Engineer III

cc: Correspondence File

EXHIBIT E-2

Officers

PAMALA L. HAWK
President

PERRY K. TUDOR
Vice President

ROBERT W. JENKINS
Secretary

G. MICHAEL DICKEY
Treasurer

GLENN MARZLUF

General Manager/CEO

SHANE CLARK Deputy General Manager



6658 OLENTANGY RIVER ROAD DELAWARE, OHIO 43015

www.delcowater.org

Phone (740) 548-7746 • (800) 521-6779

Directors
MARC A. ARMSTRONG

DAVID A. BENDER

DOUGLAS D. DAWSON

TIMOTHY D. MCNAMARA

MICHAEL (NICK) D. SHEETS

June 20, 2023

Mr. Thomas M. Warner Advanced Civil Design, Inc. 781 Science Boulevard, Suite 100 Gahanna, Ohio 43230 Via Email: oh-intern@advancedcivildesign.com

RE: Peachblow Road Mixed Residential Commercial Development

Dear Mr. Warner:

Please know that Del-Co Water can provide water service to the site described below upon plan approval and payment of the required fees:

Proposed Land Use: Mixed residential and commercial development

Location: South side of Peachblow Road, ±2,100 feet east of Columbus Pike (US 23)

Land Size: ±92.5 acres

This site can be served from an existing 12-inch waterline located on Columbus Pike. The developer will be required to construct an offsite waterline to the proposed development site.

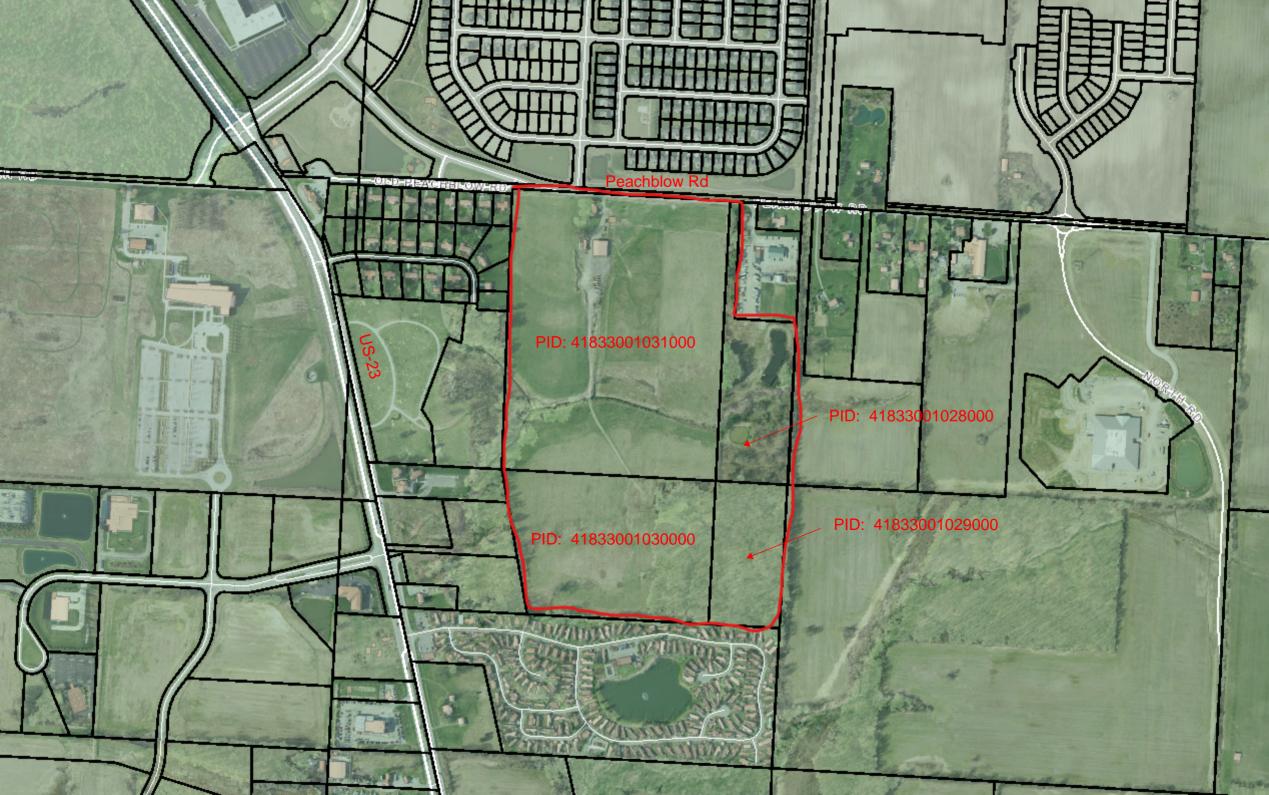
This letter of water availability is valid for a period of one year from the date of this letter. Del-Co makes no guarantee of water availability beyond this period. Contact our Engineering Department if you have any questions on the plan review process, or our Customer Service Department for information on tap fees.

Sincerely,

DEL-CO WATER COMPANY, INC.

Shane F. Clark, P.E.

Deputy General Manager





AEP Ohio 700 Morrison Rd

Gahanna, OH 43230 AEPOhio.com

6/30/2023

Thomas M. Warner Advanced Civil Design, Inc. 781 Science Boulevard Gahanna, Ohio 43230

RE: AVAILABILITY OF ELECTRICAL SERVICE

P.I.D. 41833001031000, 41833001030000,41833001028000, 41833001029000

To Whom It May Concern:

This letter will confirm that American Electric Power has electric service facilities adjacent to your new project. These facilities will be made available to serve your project with some Contribution-In-Aid-To-Construction charged to the project developer.

Our records indicate your project; a residential and commercial development on 92± acres, is located east of Columbus Pike and south of Peachblow Rd, in Berlin Township, Delaware County, Ohio.

American Electric Power anticipates providing your new project the best possible service. I look forward to working with you and remain available to coordinate your project needs. Please contact me to discuss any questions you may have or other assistance you may require.

Sincerely,

Erik Schaas

Customer Design Supervisor

From: Schwarz \ Todd \ Patrick <TSchwarz@nisource.com>

Sent: Monday, June 19, 2023 3:44 PM

To: OH-Intern

Subject: FW: Utility Serviceability Letter requested- Peachblow Rd Site

Attachments: Site Location.pdf; Sample Utility Serviceability Letter.docx; GIS Peachblow

Rd.PNG

We no longer send out serviceability letters. I have attached our gas map showing our mainlines in green.

When final plans have been submitted, I can work with my engineering team on design and to see if any up front cost needs paid by customer. The mainline would need extended into the development. Although COH facilities may be in the vicinity of your proposed property, further investigation will need to take place for capacity. Once Attachment A of the Information Request Packet has been answered and returned and all other requested information is released to the COH New Business Team, gas availability and any capacity issues will be determined; as well as any deposit and/or Aid-To-Construction costs that may be required.

Please note that availability is contingent upon a cost benefit analysis. If the project is not deemed economically feasible for Columbia Gas, a deposit may be necessary

Todd Schwarz
Development Manager
Columbia Gas of Ohio
614-506-7023

From: OH-Intern < OH-Intern@advancedcivildesign.com >

Sent: Monday, June 19, 2023 1:01 PM

To: Williams \ Brandi \ Nicole < brandi \ Nicole < brandiwilliams@nisource.com> **Subject:** Utility Serviceability Letter requested- Peachblow Rd Site

USE CAUTION: This email was sent from an external source. Think before you click links or open attachments. If suspicious, please forward to security@nisource.com for review.

Good morning,

Our design team is working on rezoning efforts for a mixture of residential and commercial development on ±92 acres in the Berlin Township, Delaware County. On behalf of our client, we would like to request a signed "Utility Serviceability" letter from your agency detailing the availability and the proximity of gas service to the prospective site.

Please find attached a vicinity map showing the project location south of Peachblow Road and east of US-23.

We request the following information:

- Service availability
- Infrastructure location(s), in map form if possible
- Charges or fees related to service connections

- Submittal/application requirements to obtain services
- Timelines to design proposed service to our site (if applicable)

A sample Utility Serviceability Letter is attached for your reference. The letter should be addressed to:

Thomas M. Warner Advanced Civil Design, Inc. 781 Science Boulevard, Suite 100 Gahanna, Ohio 43230

Please send the letter and supplemental information by email to oh-intern@advancedcivildesign.com by June 26th, 2023, if possible. If you should have any questions, please feel free to contact me at 614-944-5097.

Thank you for your time and consideration.

Best,

Ashley Hockstok Advanced Civil Design, Inc.

781 Science Boulevard, Suite 100 Gahanna, OH 43230 ph 614.428.7750 fax 614.428.7755 dir 614.944.5097

https://link.edgepilot.com/s/6560f0cb/49608AH4z0iOhKmXI1863g?u=http://www.advancedcivildesign.com/

SUBURBAN NATURAL GAS COMPANY

ESTABLISHED 1882

211 FRONT STREET, P.O. BOX 130 CYGNET, OHIO 43413-0130 (419) 655-2345 FAX: (419) 655-2274 2626 LEWIS CENTER ROAD LEWIS CENTER, OHIO 43035-9206 (740) 548-2450 FAX: (740) 549-4939

June 20, 2023

Thomas M. Warner Advanced Civil Design, Inc. 781 Science Boulevard, Suite 100 Gahanna, Ohio 43230 VIA EMAIL: oh-intern@advancedcivildesign.com

/ Roll

RE: Peachblow Road Site

Dear Mr. Warner:

In response to your request for natural gas service availability to the approximately 92 acres located south of Peachblow Road, east of US-23, Berlin Township, Delaware County, Ohio, Suburban Natural Gas Company does have natural gas service available to the above described location.

As always, natural gas service to the area as well as any other served or to be served by Suburban Natural Gas Company is subject to the terms and conditions of our PUCO tariff.

We look forward to working with you on the proposed project. If you have any questions, feel free to contact me directly.

Cordially,

Aaron Roll Vice President

System Development

AR/hc

cc: D. Joseph Pemberton



Berlin Township Fire Department Fire Prevention Bureau

2708 Lackey Old State Road Delaware, Ohio 43015 (740) 548-6031

Fire Chief AJ Miller Lt. Craig A. Hall, Fire Prevention

June 20, 2023

Thomas M. Warner Advanced Civil Design, Inc. 781 Science Boulevard Gahanna, Oh. 43230

Dear Mr. Warner,

I am writing in response to your request regarding the proposed land use development known as PID 41833001031000, 41833001030000, 41833001028000 & 4183300102900

Berlin Township Fire Department does provide fire protection to the above referenced parcels located within Berlin Township.

It has been determined that service is available for a mixture of residential and commercial development on 92.5 acres on the above referenced parcels

We appreciate the opportunity to work with you in the future and thank you for your interest in Berlin Township. If you further questions or concerns please do not hesitate to call or visit our 2708 Lackey Old State location.

Respectfully,

Lt. Craig A. Hall, CFSI chall@berlintwp.us

Traffic Impact Study

Oak Park (Peachblow) Mixed Use Development

Prepared for
Delaware County Engineer's Office
City of Delaware, and ODOT District 6

By



Advanced Civil Design, Inc.
781 Science Blvd., Suite 100, Gahanna Ohio 43230
(614) 428-7750

Mark I. Mann, P.E.

Mark 4. D

Director – Transportation Services

March 19, 2024

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| Build Conditions | 9 |
| Capacity Analyses Build | 16 |
| Conclusions and Recommendations | 18 |
| Appendices | 19 |

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| Table 5. Traffic Study Un-Signalized Intersections LOS, Build | 16 |

Introduction

The proposed Oak Park development site is in the Berlin Twp, Delaware County, Ohio. The 92.5 acre site is east of US 23 and south of Peachblow Road (see site plan). The site will have 3 primary access points, one from Peachblow opposite Crownover, one of US 23 opposite Greif Parkway, and an extension of Berlin Meadows site drive to the east of this project.

At the time of this study, ODOT is conducting a study of US 23. This study will modify all the access points to US 23 through the study corridor. The modification will include the 3 intersections on US 23 that are part of the Oak Park study. As such, this study provides analysis for the intersection listed below and makes recommendations for any improvements required to mitigate our impact for the 2025 Opening Year but does not make recommendations for the 2045 Design Year since the Design Year intersection geometrics are unknown at this time.

The development is also expected to advance in at least 2 phases. Phase 1 is currently expected to be the residential portion of the development north of the stream that crosses the site from east to west. The second and or more phases will be the remaining portions of the development. Given this the Opening Year (2025) traffic has trips form what is called zone 1 and 2 (see traffic volume exhibits) while the Design Year (2045) includes trips from all 7 zones.

The scope of this study was developed from correspondence with the DCEO, City of Delaware ODOT District 6. The following will be studied and evaluated as part of this study:

- Left turn lane warrant at the Proposed Access Point on Peachblow Rd.
- Right turn lane warrant at the Proposed Access Point on Peachblow Rd.
- Level of Service (LOS) at the following intersections
 - Peachblow & Crownover Way (Two-Way Stop Sign, Delaware County)
 - Peachblow & Glenn Pkwy (Two-Way Stop Sign, City of Delaware)
 - Glenn Pkwy & US 23 (Signalized, ODOT)
 - o US 23 & Greif Pkwy (Signalized, ODOT)
 - o US 23 & Shanahan Rd. (Signalized, ODOT)

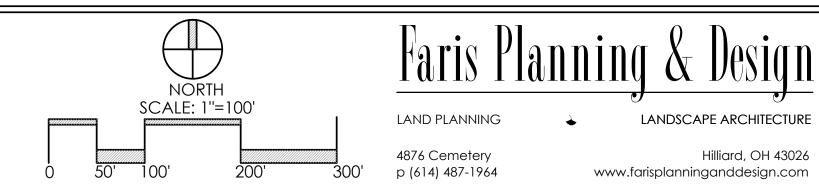
The primary goal of this study is to determine any transportation impacts related to the proposed development, and identify any required mitigation at site area intersections.





SITE PLAN





Existing/ No Build Conditions

US 23 is a 4-lane divided highway with a posted speed limit of 55 MPH. Left and right turn lanes are added at intersection where necessary. Glenn Parkway is a 4-lane divided roadway with a 35 MPH posted speed limit. Left and right turn lanes are added at intersections where necessary. Peachblow is a 2-lane roadway with a 55 MPH posted speed limit. Left and right turn lanes are added as necessary.

Traffic Volumes and Trip Generation

Traffic volume data for this study was collected in October 2023 (see appendix). Traffic signal timings were also provided for the traffic signals in the study area by ODOT D6.

Background growth rates were obtained from MORPC (see appendix) for the study and those growth rates were applied at an annual linear rate to the roadway sections for this study. For the through movement on US 23 an additional ODOT factor was applied based on the day of week, month of year and roadway category to develop the Design Hour Volume for the Design Year.

Trip Generation for the site was developed using the latest edition of the ITE Trip Generation Manual (see Appendices). Land Use Codes (LUC) 210, 215 and 220 were used for the residential portions of the development (see appendix). LUC 822 and 850 were used for the retail/commercial portions of the development (see appendix).

Trip generation numbers can be found in the below table.



Table 1. Trip Generations

Trip Generation Land Use Total Total ZONE Description Code Enter Exit Total IN OUT Trips (LUC) 22 25% 75% AΜ 6 17 1 Town Homes (26 units) 210 26 63% 37% PM 16 10 60 25% 75% ΑM 15 45 2 Town Homes (86 units) 210 81 63% 37% PM 51 30 General Retail/Commercial 40% 43 72 60% AM 29 3 822 (3@10k ea.) 198 50% 50% PM 99 99 Multi-Family Residential 41 24% 76% 31 AM 10 220 (103 units) 53 63% 37% PM 33 20 4 General Retail/Commercial 72 60% 40% ΑM 43 29 822 (30k Sq. Ft.) 50% 50% PM 99 99 198 General Retail (Grocery 30k 86 59% 41% AM 51 35 5 850 Sq. Ft.) 269 50% 50% PM 135 135 50 25% 75% ΑM 13 38 6 Town Homes (105 units) 215 60 59% 41% PM 35 25 Multi-Family Residential 101 24% 76% ΑM 24 77 220 (252 units) PM 48 129 63% 37% 81 7

The distribution of trips in the network was derived from the data collected at the study intersections and from information gathered from recent traffic studies in the area.

54

152

822

60%

50%

40%

50%

AM

PM

32

76

22

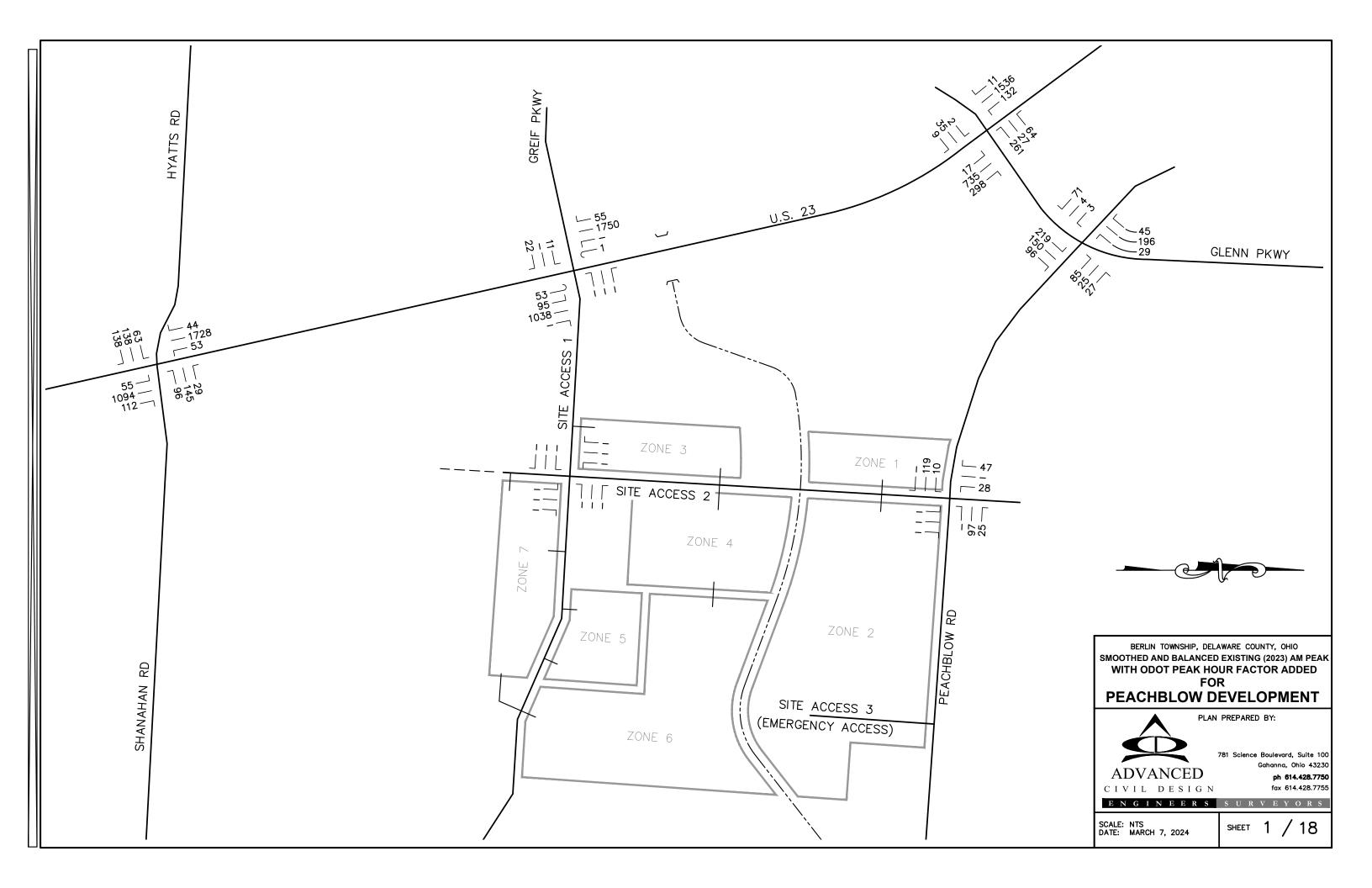
76

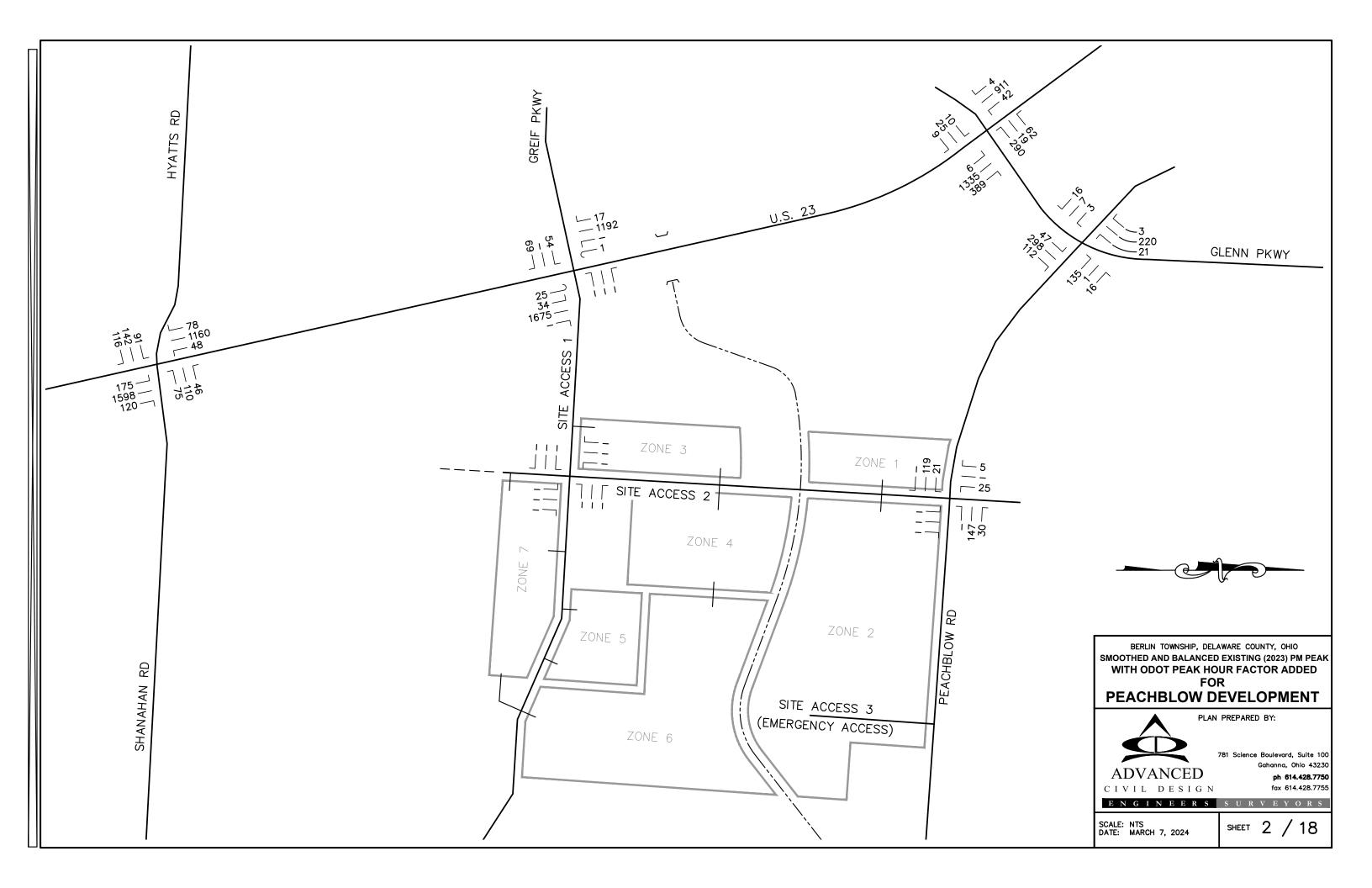
General Retail/Commercial

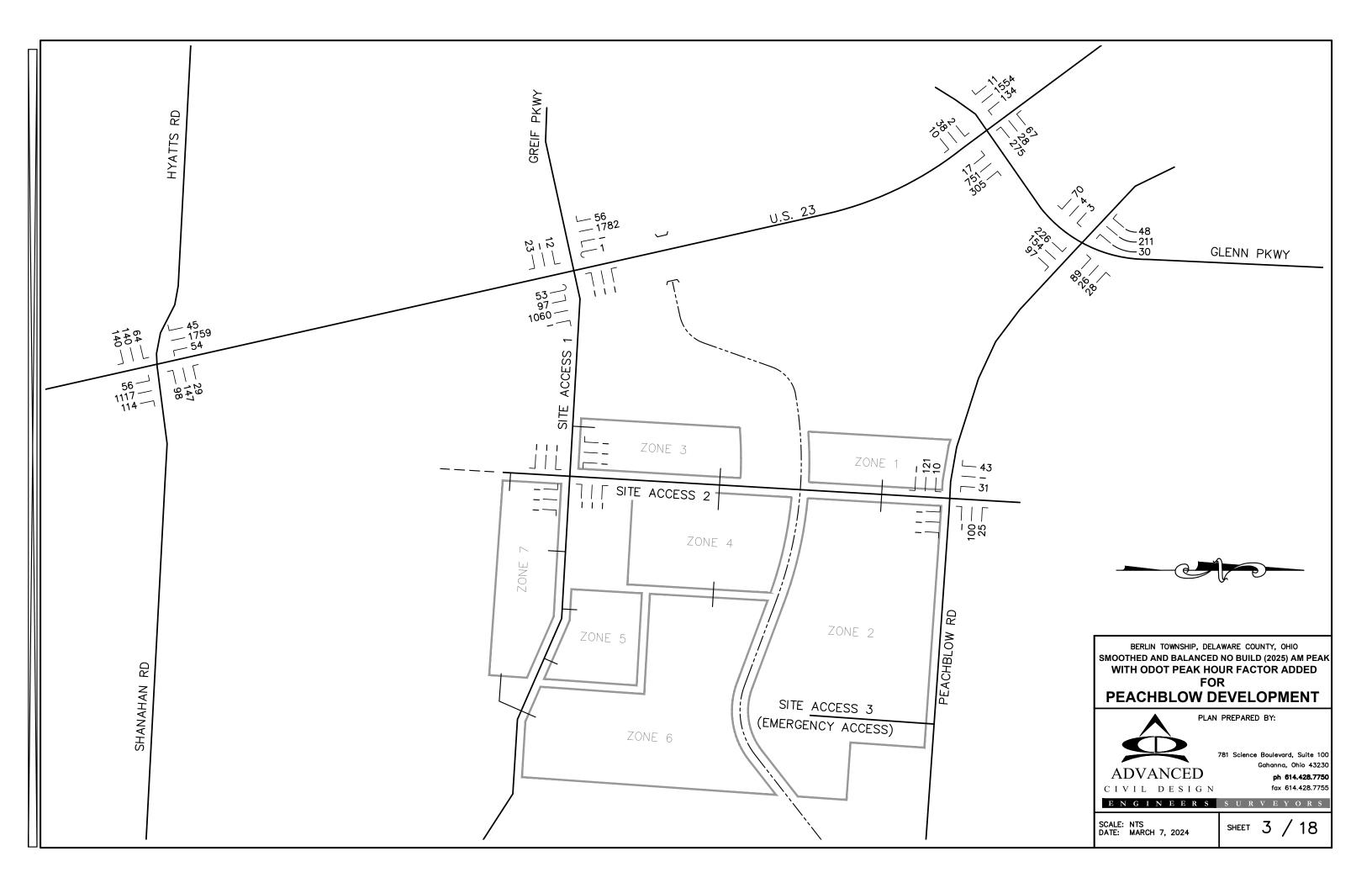
(23k Sq. Ft.)

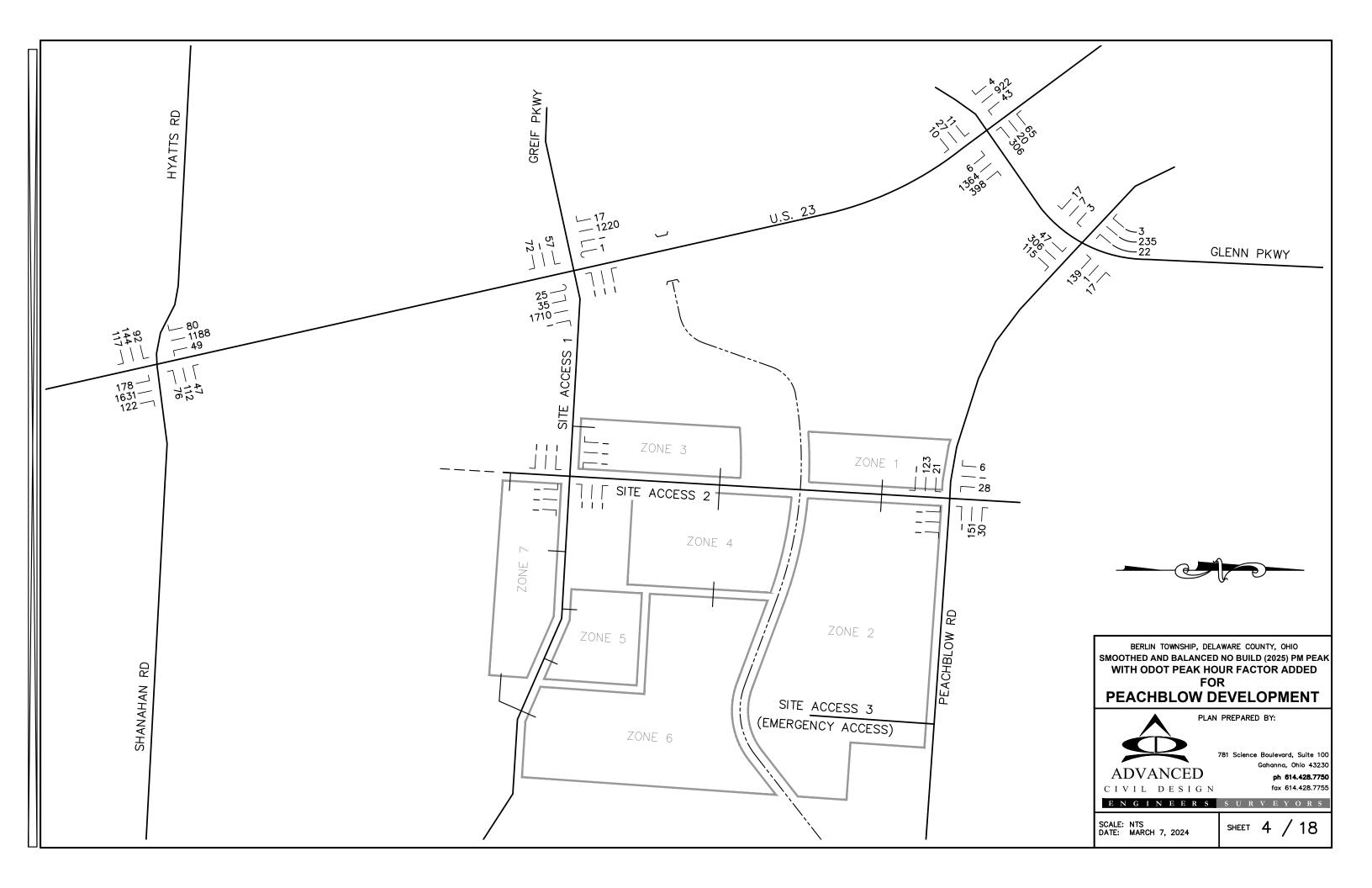
The in-bound and out-bound trip volumes, and distribution of trips on the network are all shown in the following exhibits.

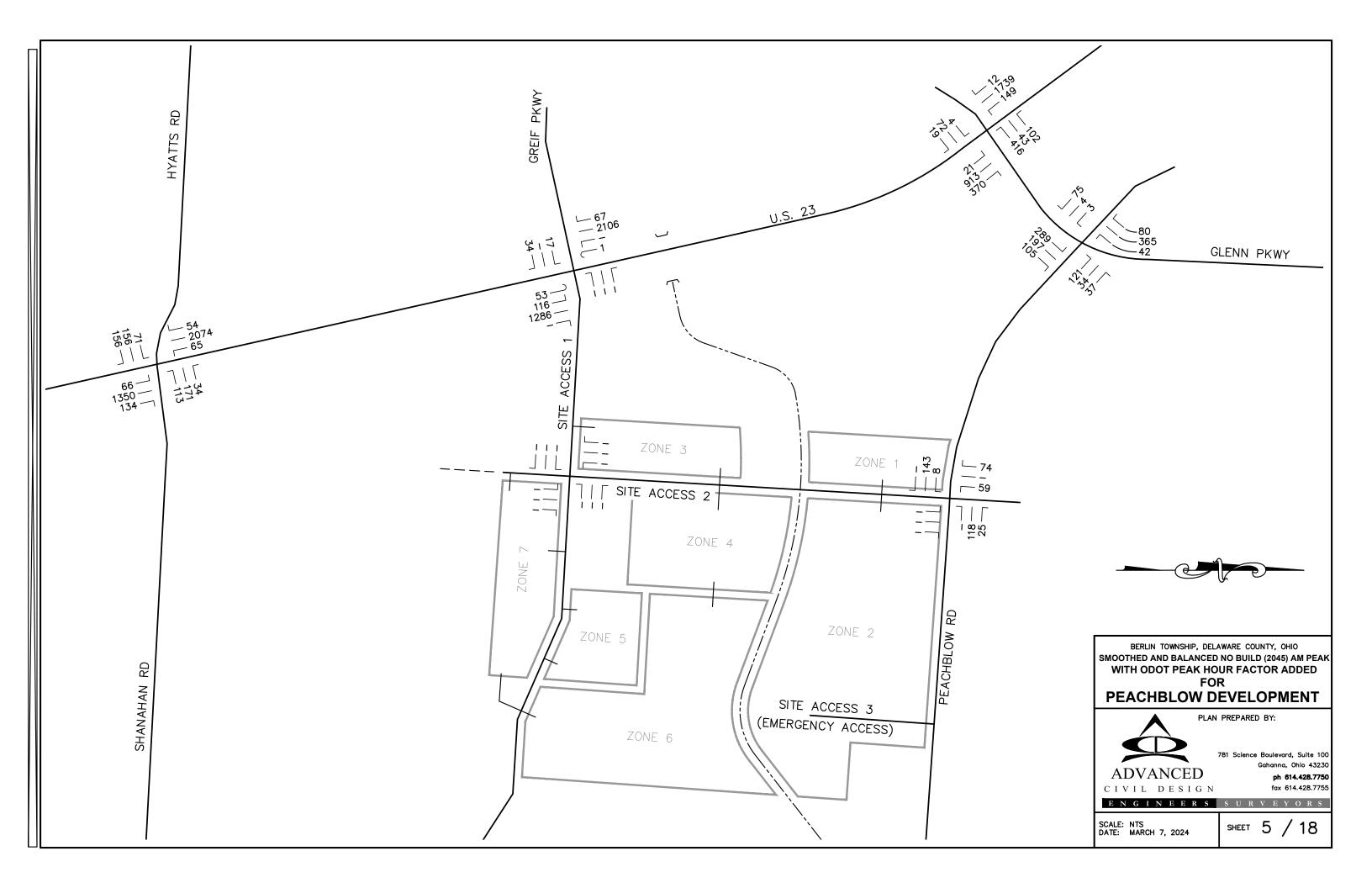


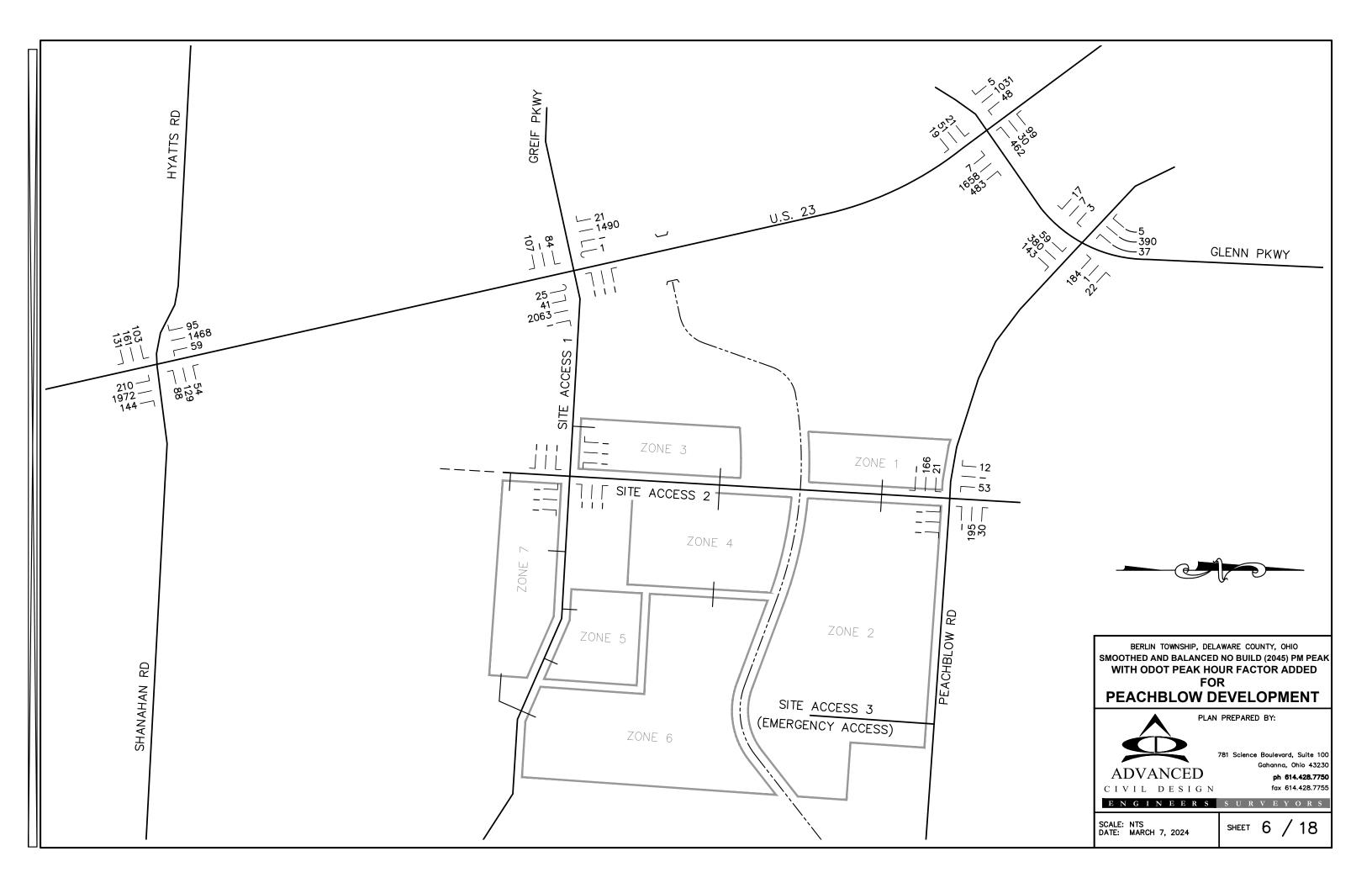












Capacity Analyses No-Build

Capacity analyses were performed utilizing HCS. The Opening Year (2025) No-Build, Design Year (2045) No-Build were all analyzed. The results are summarized in Tables 3 and 4, below. Detailed print outs are contained in the Appendices.

Table 2. Traffic Study Signalized Intersections LOS, No Build

| , | | | | | S | ignaliz | ed Inte | rsectio | n Leve | l of Ser | vice (L | OS/ se | c. dela | y) | | | |
|-------------------------------|----------|--------|--------|--------|--------|---------|---------|---------|--------|----------|---------|--------|---------|--------|--------|--------|---------|
| Intersection | | | | | | | | | No E | Build | | | | | | | |
| intersection | | | | | 20 | 25 | | | 2045 | | | | | | | | |
| | | | Α | М | | | P | M | | | Α | M | | PM | | | |
| | | NB | SB | EB | WB | NB | SB | EB | WB | NB | SB | EB | WB | NB | SB | EB | WB |
| | , | | , | | , , | | , | , | , | | | | | | | | |
| | LT | C/30.6 | B/12.0 | D/38.3 | D/47.6 | B/16.5 | B/18.8 | D/36.5 | D/47.7 | E/57.8 | E/56.6 | | | E/60.5 | E/56.8 | D/49.1 | F/156.7 |
| | TH | B/18.2 | B/16.5 | C/34.5 | D/36.0 | C/26.5 | B/12.3 | C/32.8 | C/34.3 | B/19.8 | C/26.3 | E/56.3 | D/45.2 | C/26.9 | B/13.8 | D/54.7 | D/47.8 |
| US 23 & Glenn Parkway | RT | A/0.0 | A/7.8 | C/34.0 | D/36.0 | A/0.0 | A/8.5 | C/32.5 | C/34.3 | A/0.0 | B/10.0 | D/53.3 | D/45.2 | A/0.0 | A/9.0 | D/53.3 | D/47.8 |
| | Approach | B/13.2 | B/16.1 | C/34.6 | D/44.6 | C/24.4 | B/12.6 | C/33.6 | D/44.8 | B/14.8 | C/28.6 | E/55.5 | F/418.6 | C/21.0 | B/15.6 | D/53.1 | F/132.9 |
| | Overall | | B/1 | 18.7 | | | C/2 | 1.3 | | | F/8 | 1.3 | | D/37.1 | | | |
| | | | | | | | | | | | | | | | | | |
| | LT | C/24.1 | A/5.4 | D/54.7 | E/73.9 | A/6.3 | B/10.9 | D/53.5 | E/73.9 | D/43.5 | A/6.2 | D/53.8 | E/73.9 | B/10.9 | C/22.3 | D/51.1 | E/73.9 |
| | TH | A/3.5 | B/13.9 | E/56.1 | E/73.9 | A/6.4 | A/10.0 | E/58.7 | E/73.9 | A/4.3 | C/23.5 | E/55.8 | E/73.9 | B/11.0 | B/13.9 | E/57.3 | E/73.9 |
| US 23 & Grief Parkway | RT | A/3.5 | A/5.7 | E/56.1 | E/73.9 | A/6.4 | A/5.9 | E/58.7 | E/73.9 | A/4.3 | A/6.4 | E/55.8 | E/73.9 | B/11.0 | A/6.9 | E/57.3 | E/73.9 |
| | Approach | A/6.1 | B/13.6 | E/55.6 | E/73.9 | A/6.4 | A/9.9 | E/56.4 | E/73.9 | A/8.9 | C/22.9 | E/55.1 | E/73.9 | B/11.0 | B/13.8 | D/54.6 | E/73.9 |
| | Overall | | B/1 | 1.2 | | | A/ | 9.8 | | | B/1 | 7.8 | | B/14.3 | | | |
| | | | | | | | | | | | | | | | | | |
| | LT | C/25.1 | B/11.8 | D/43.8 | D/44.1 | B/15.8 | B/19.9 | D/44.9 | D/45.1 | C/28.4 | B/16.7 | D/42.9 | D/42.7 | C/31.4 | C/28.4 | D/44.1 | D/44.9 |
| | TH | B/17.0 | C/32.4 | D/53.3 | D/52.6 | C/23.0 | B/19.1 | E/55.2 | D/52.9 | C/21.8 | F/80.7 | D/52.6 | D/51.3 | F/50.7 | C/27.8 | D/54.5 | D/53.0 |
| US 23 & Shanahan/ Hyatts Road | RT | A/8.3 | C/33.4 | D/46.5 | D/41.7 | A/7.9 | B/19.2 | D/45.3 | D/44.1 | A/9.1 | F/84.4 | D/45.6 | D/39.9 | A/8.8 | C/28.5 | D/43.1 | D/43.3 |
| | Approach | B/16.5 | C/32.3 | D/48.8 | D/48.4 | C/21.4 | B/19.2 | D/49.2 | D/48.6 | C/21.0 | F/80.6 | D/47.9 | D/47.1 | D/46.4 | C/28.1 | D/48.0 | D/48.4 |
| | | C/2 | 29.6 | | | C/2 | 4.9 | | | D/5 | 4.6 | | D/40.2 | | | | |

Table 3. Traffic Study Un-Signalized Intersections LOS, No Build

| | Un-Signalized Intersection Level of Service (LOS/ sec. delay) | | | | | | | | | | | | | | | |
|--------------------------------|---|--------|-------|-------|--------|--------|-------|-------|---------|--------|-------|-------|---------|--------|-------|-------|
| Intersection | No Build | | | | | | | | | | | | | | | |
| Intersection | | | | |)25 | | | | 2045 | | | | | | | |
| | | А | M | | | Р | М | | | Al | М | | PM | | | |
| | NB | SB | EB | WB | NB | SB | EB | WB | NB | SB | EB | WB | NB | SB | EB | WB |
| | | | | | | | | | | | | | | | | |
| Glenn Pkwy & Peachblow Rd | E/44.0 | B/11.5 | A/4.0 | A/0.8 | D/26.3 | B/12.5 | A/0.8 | A/0.7 | F/307.5 | C/15.8 | A/4.8 | A/0.7 | F/117.2 | C/16.3 | A/0.9 | A/0.8 |
| | | | | | | | | | | | | | | | | |
| Peachblow Road & Crownover Way | - | A/9.6 | A/0.6 | - | - | B/10.7 | A/1.1 | - | • | B/10.1 | A/0.4 | - | - | B/11.8 | A/0.9 | - |
| | | | | | | | | | | | | | | | | |

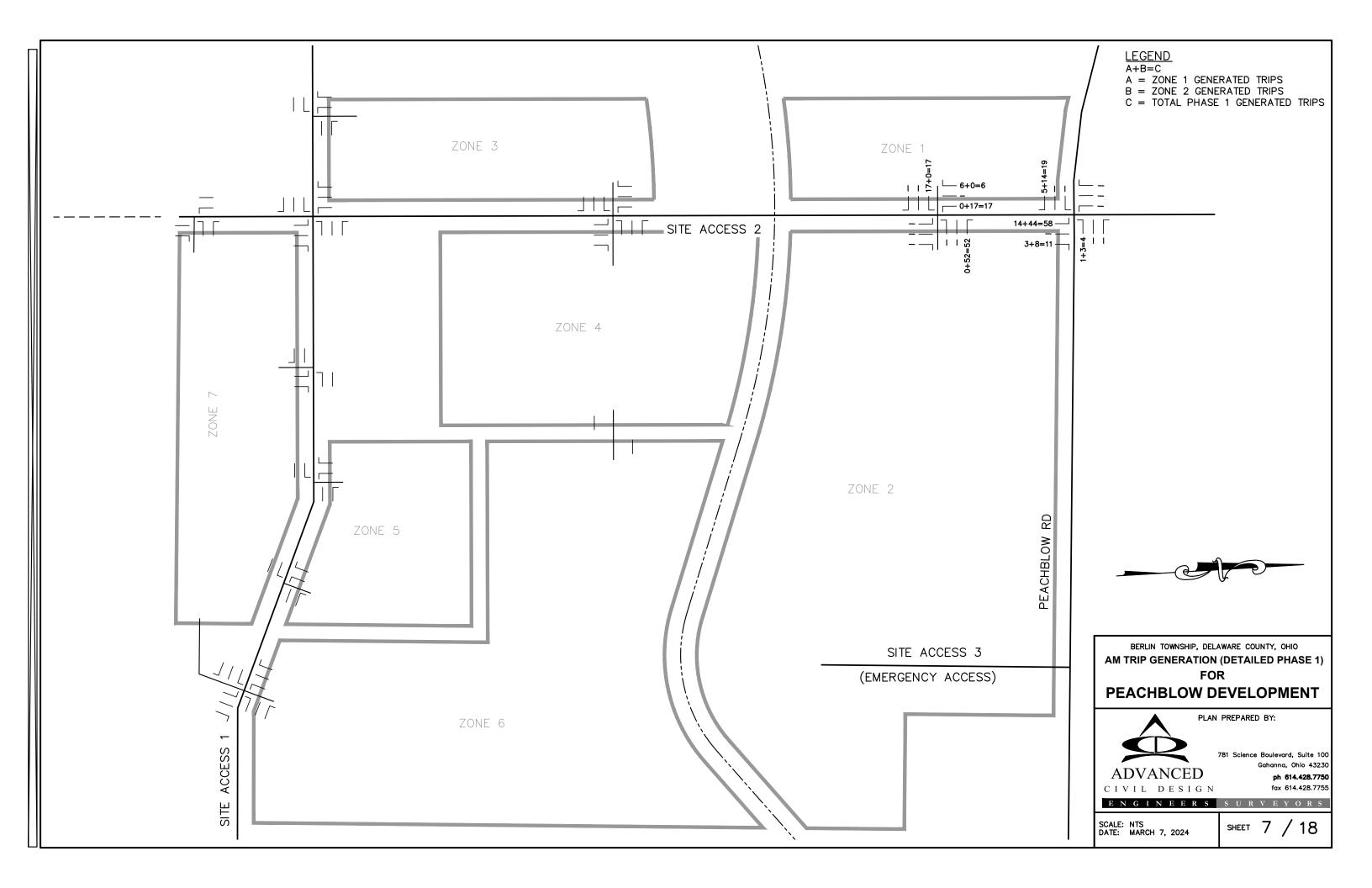
For the Existing Conditions No-Build scenarios for the Opening Year (2025) the signalized study intersections overall operations meets normal criteria. However, the sideroad operations at Greif Parkway for the AM and PM peaks operate below normal criteria with approach LOS's of "E". The un-signalized intersection similarly operate within normal criteria for the Opening Year, accept the northbound (Peachblow) approach at Glenn Parkway operates at LOS E during the AM Peak hour.

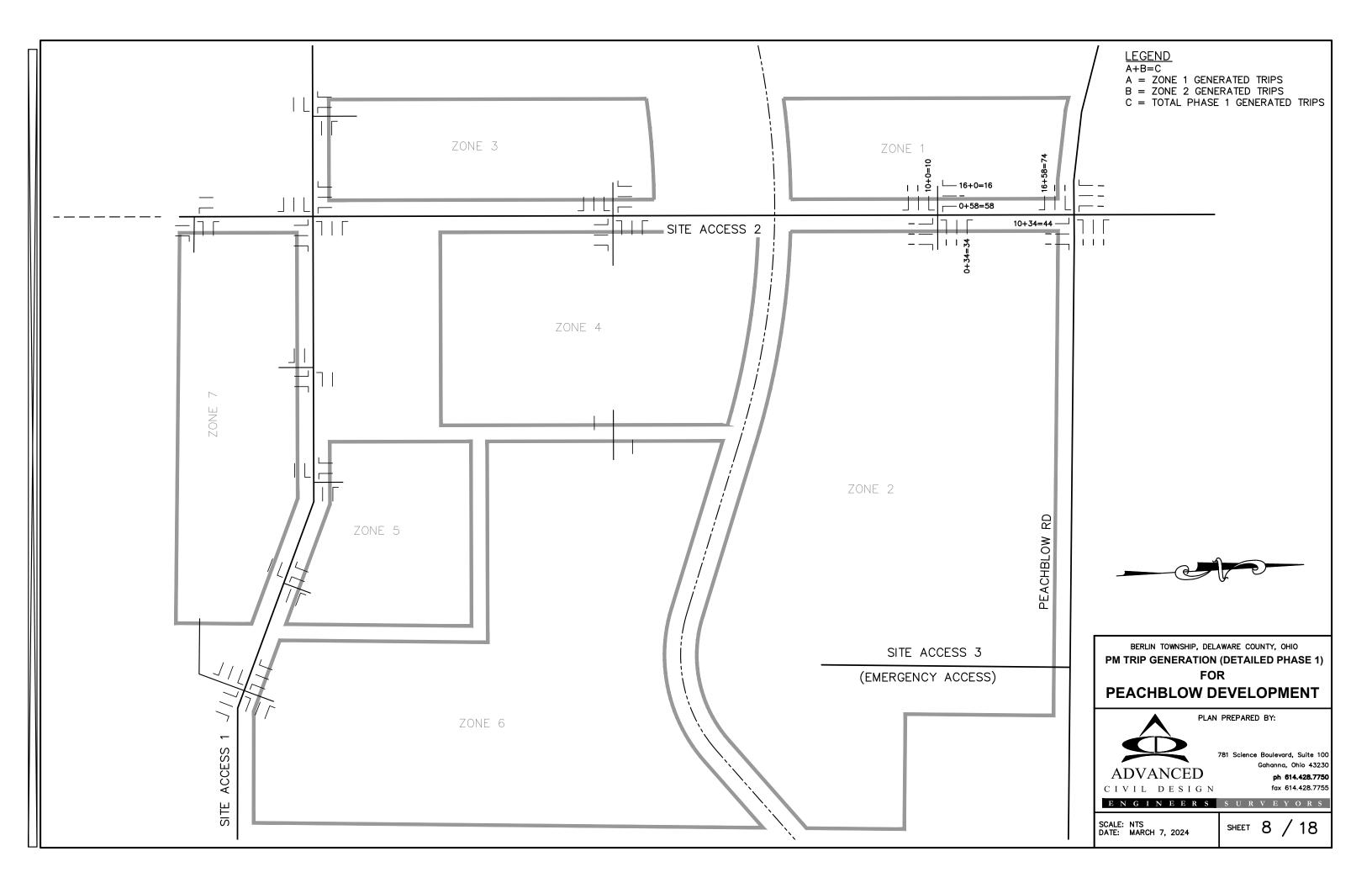
For the Existing Conditions No-Build scenarios for the Design Year (2045) the signalized study intersections overall operations meets normal criteria, except for the US 23 & Glenn Pkwy intersection which operates at LOS F for the AM Peak in the design year. However, several

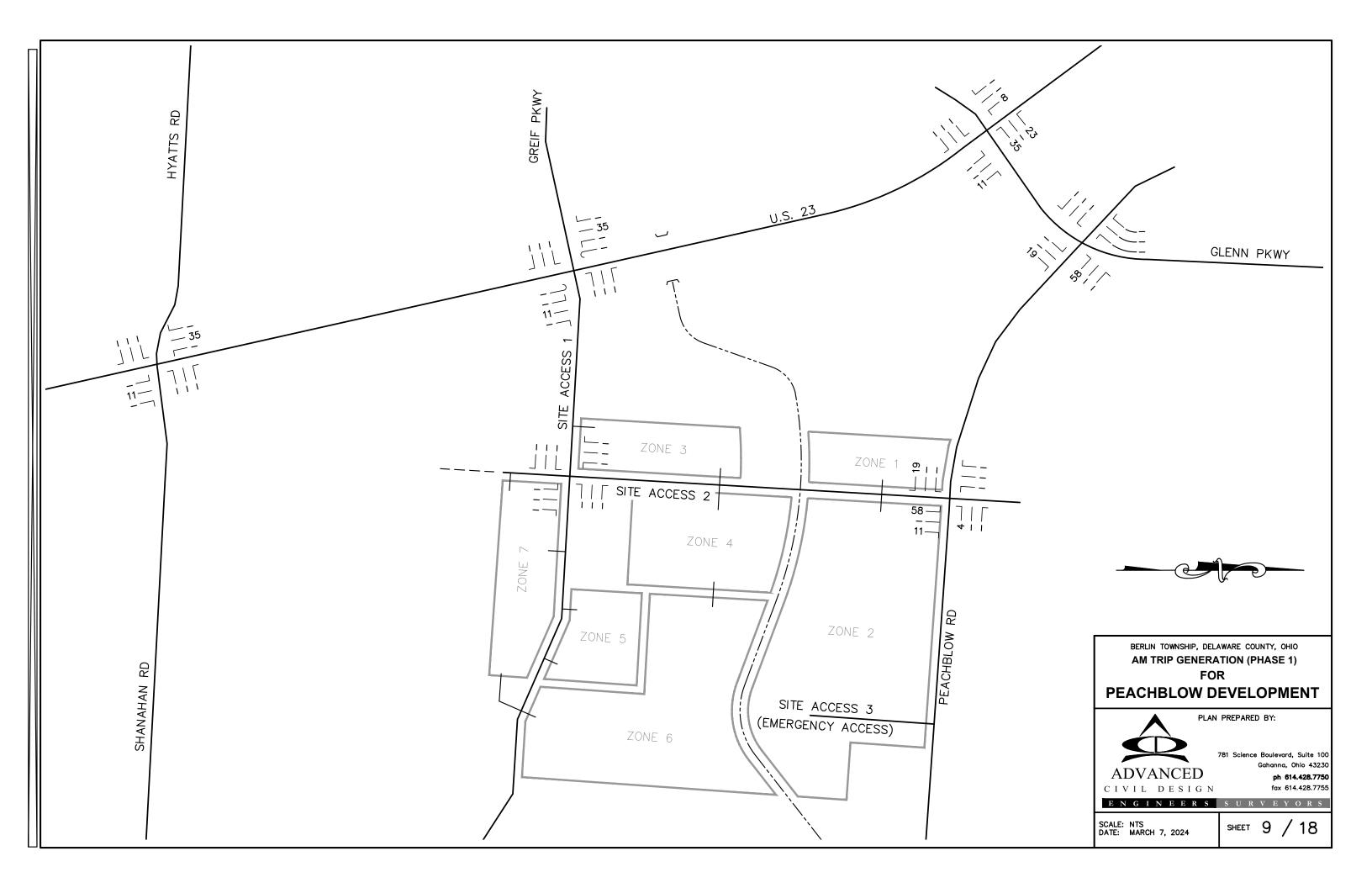


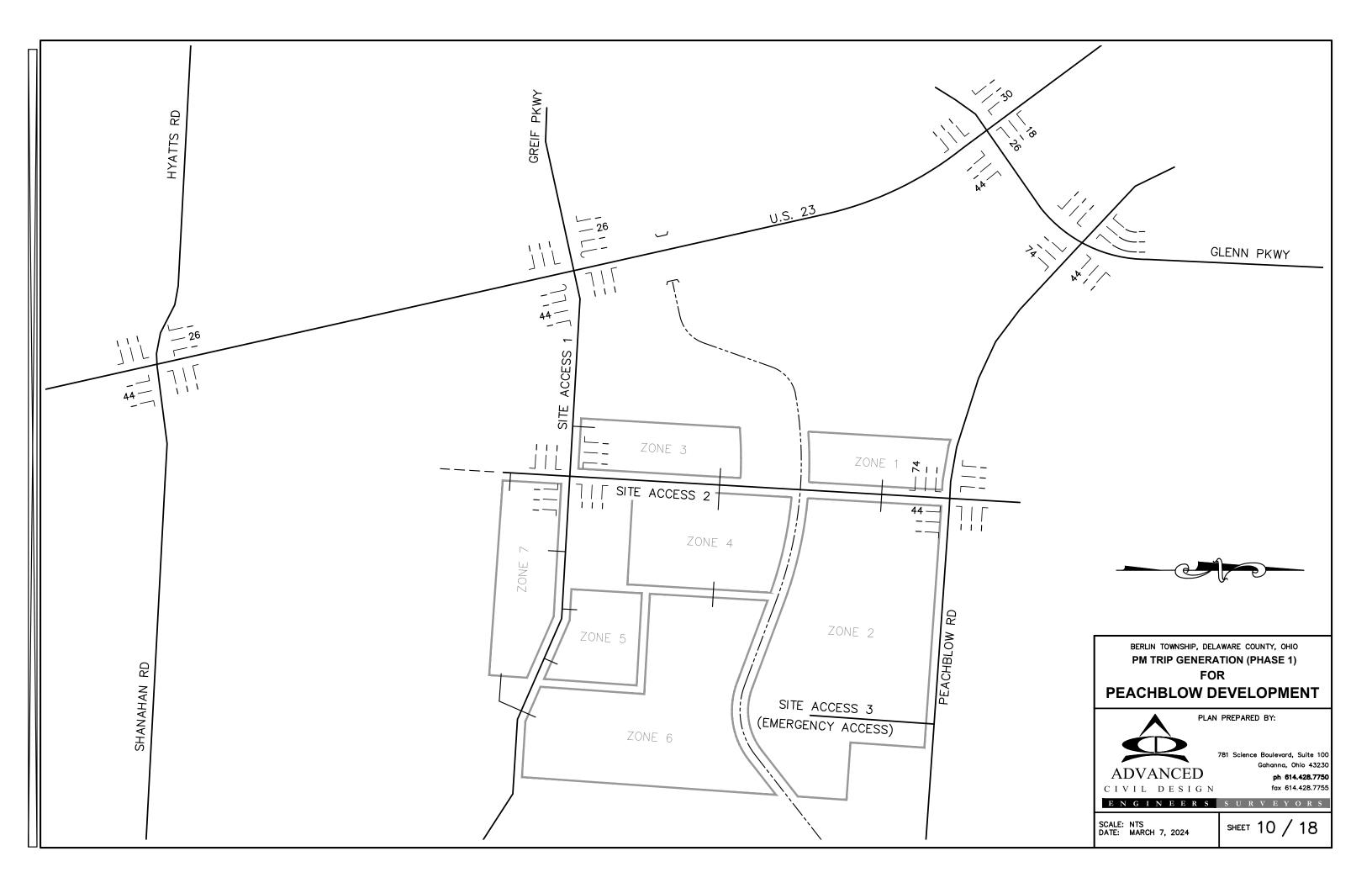
approaches to each intersection operate below the normal criteria. The sideroads at Greif continue to operate at LOS E and the southbound approach at Shanahan operates at LOS F during the AM Peak hour. The through movement for the northbound approach at Shanahan operates at LOS F for the PM Peak hour although the approach operates at an acceptable LOS D for the same period.

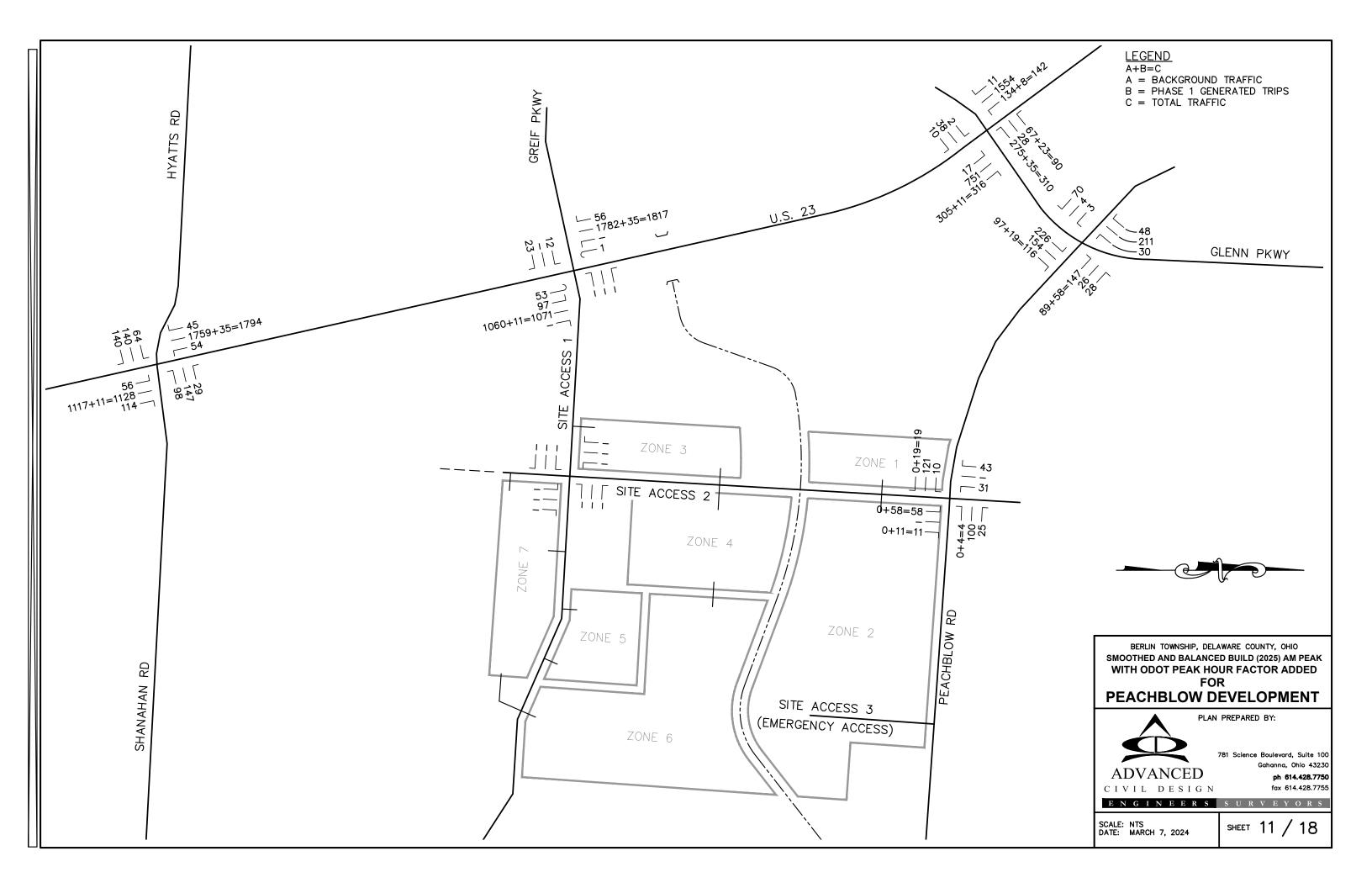


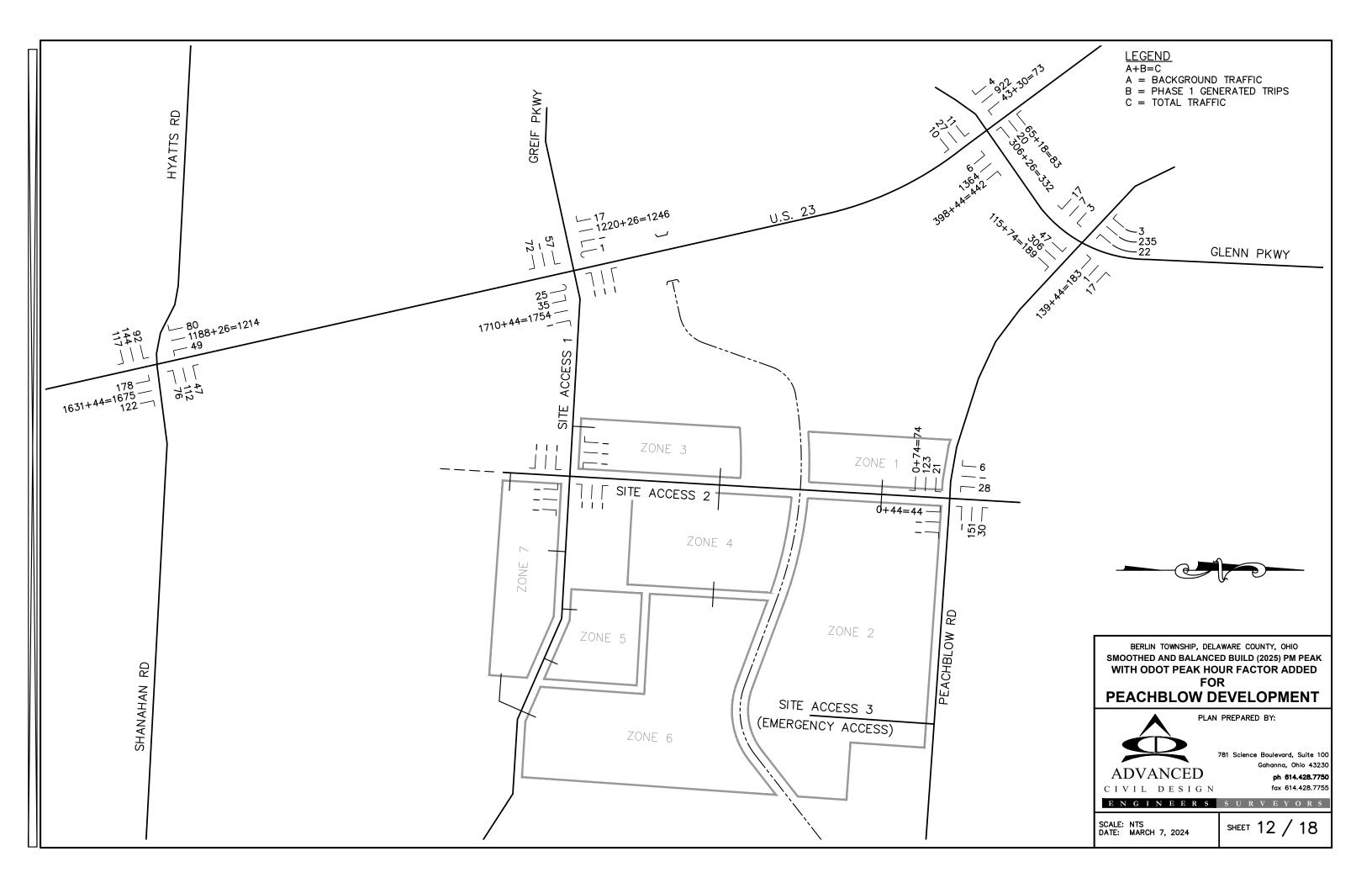












Build Conditions

Turn Lane and Signal Warrants, Storage Length Calculations, and Queuing

The procedure to determine whether left turn lanes are warranted is according to City of Dublin Turn Lane Requirements. The procedure to determine whether right turn lanes are warranted is according to the ODOT Access Management Manual Section 4.5.4. The posted speed limit of 55 MPH was used for the analysis on Peachblow Road. The results are shown in the table below and included in the appendix:

| Movement | 2025 |
|--|---------------------|
| Movement | 'Opening Year' |
| Peachblow EBRT at Prop. Site Access | Not Warranted |
| Peachblow WBLT at Prop. Site Access | Required by DCEO |

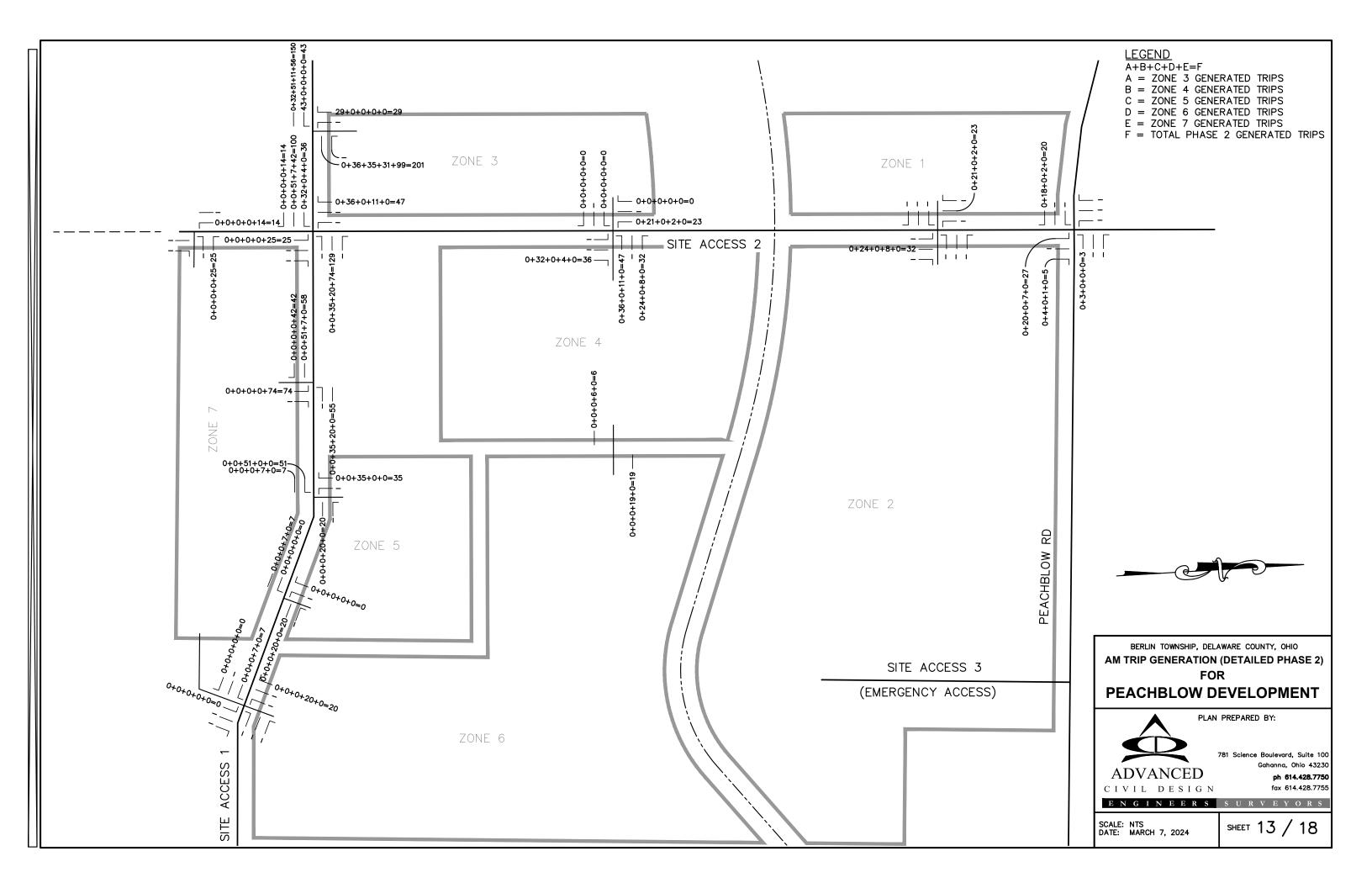
| Traffic Signal Warrants | 2025 'Opening Year' |
|----------------------------------|------------------------|
| Warrant 2 – Glenn & Peachblow | Not Met |
| Warrant 3 – Glenn & Peachblow | Not Met |

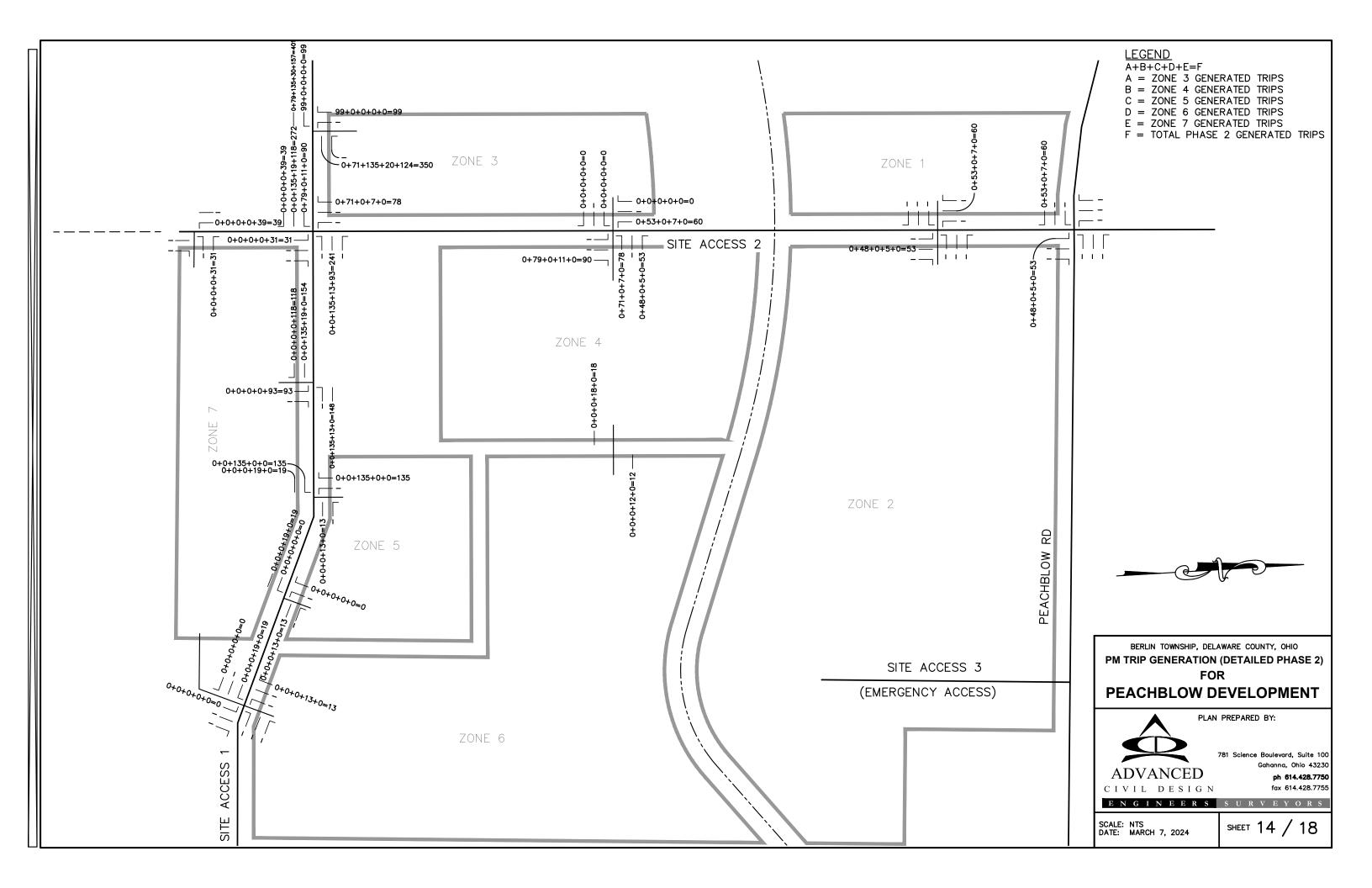
ODOT L&D Manual Vol. 1 Section 401-9 provides design criteria for the calculation of storage lengths of warranted right and left turn lanes. Based on these criteria, and the Design Hour Volumes, the turn lane was calculated. The results show a 285 feet long westbound left turn lane including a 50 feet taper is required. (See appendices for turn lane length calcs).

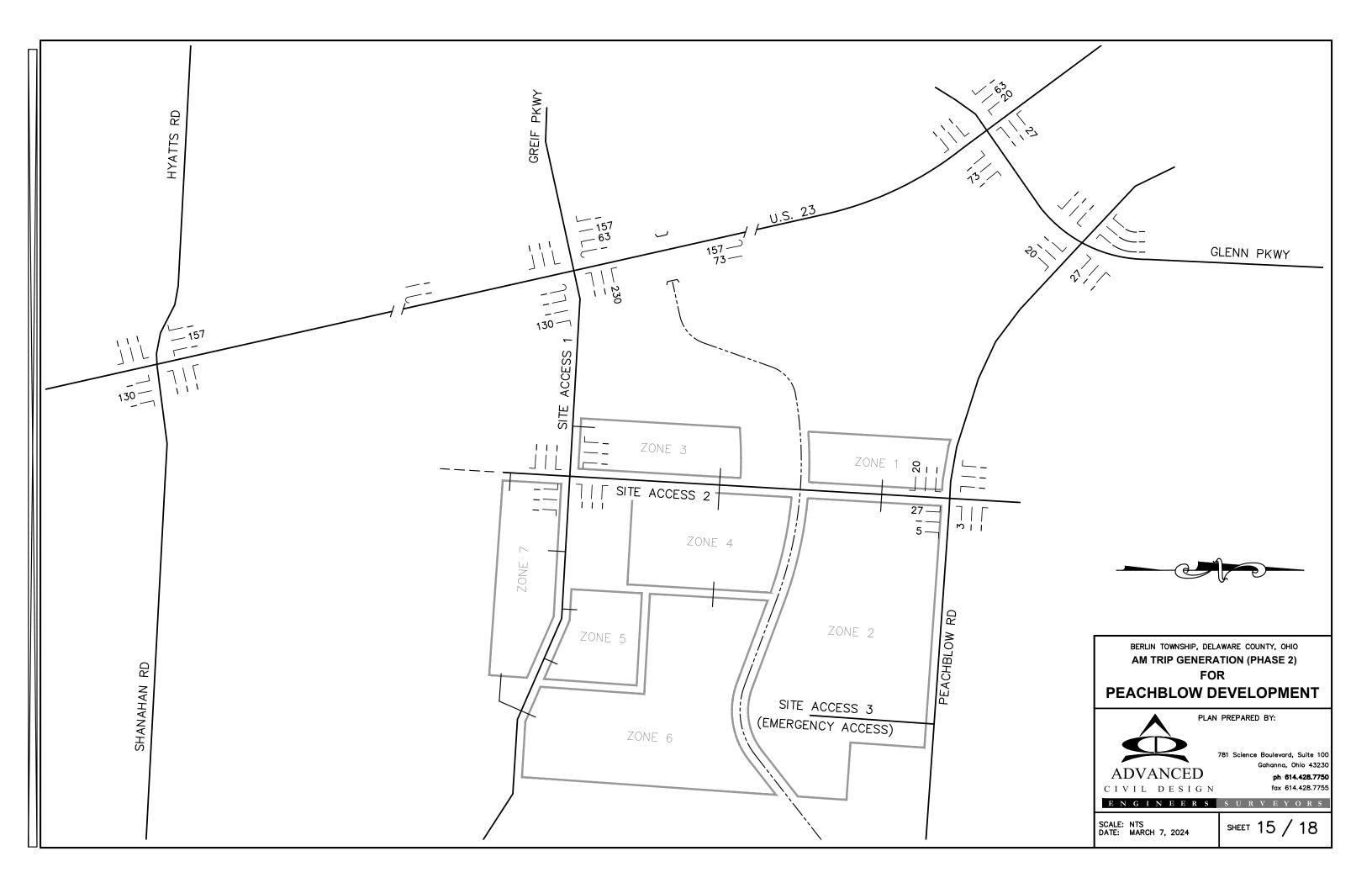
Capacity Analyses Build

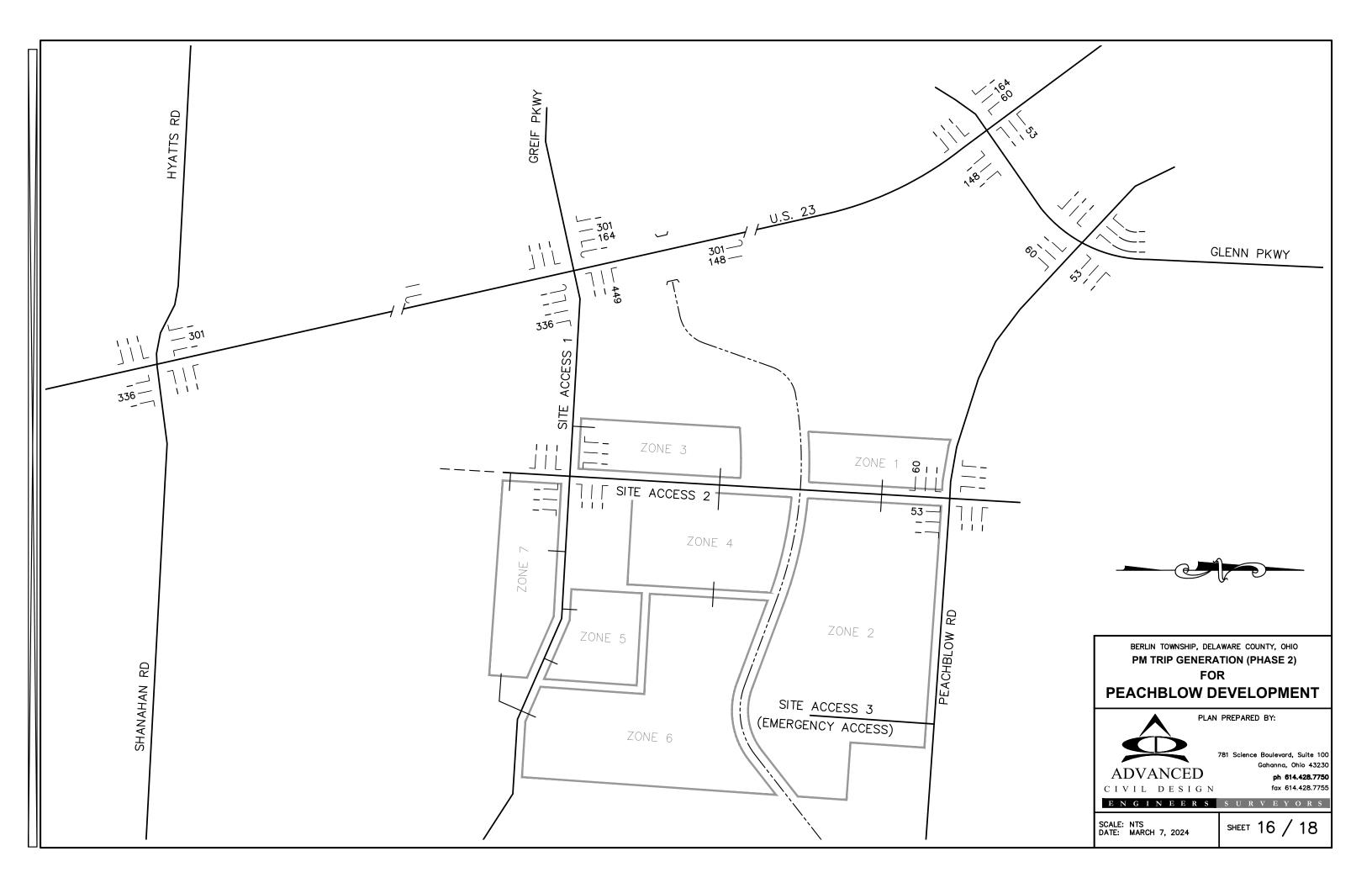
Capacity analyses were performed utilizing HCS. The Opening Year (2025) Build, and, Design Year (2045) Build were all analyzed. The results are summarized in Tables 5 and 6, below. Detailed HCS print outs are contained in the Appendices.

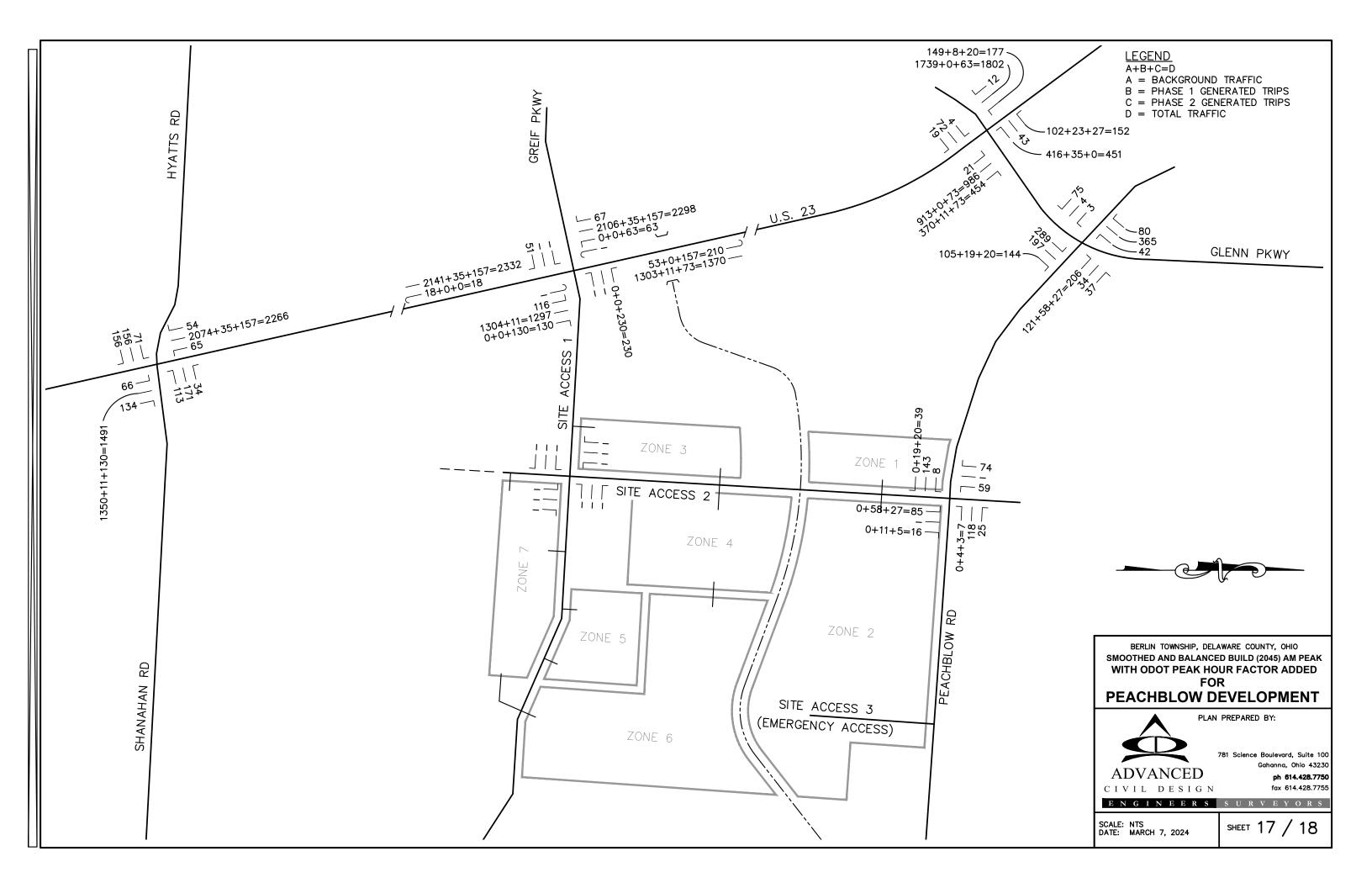












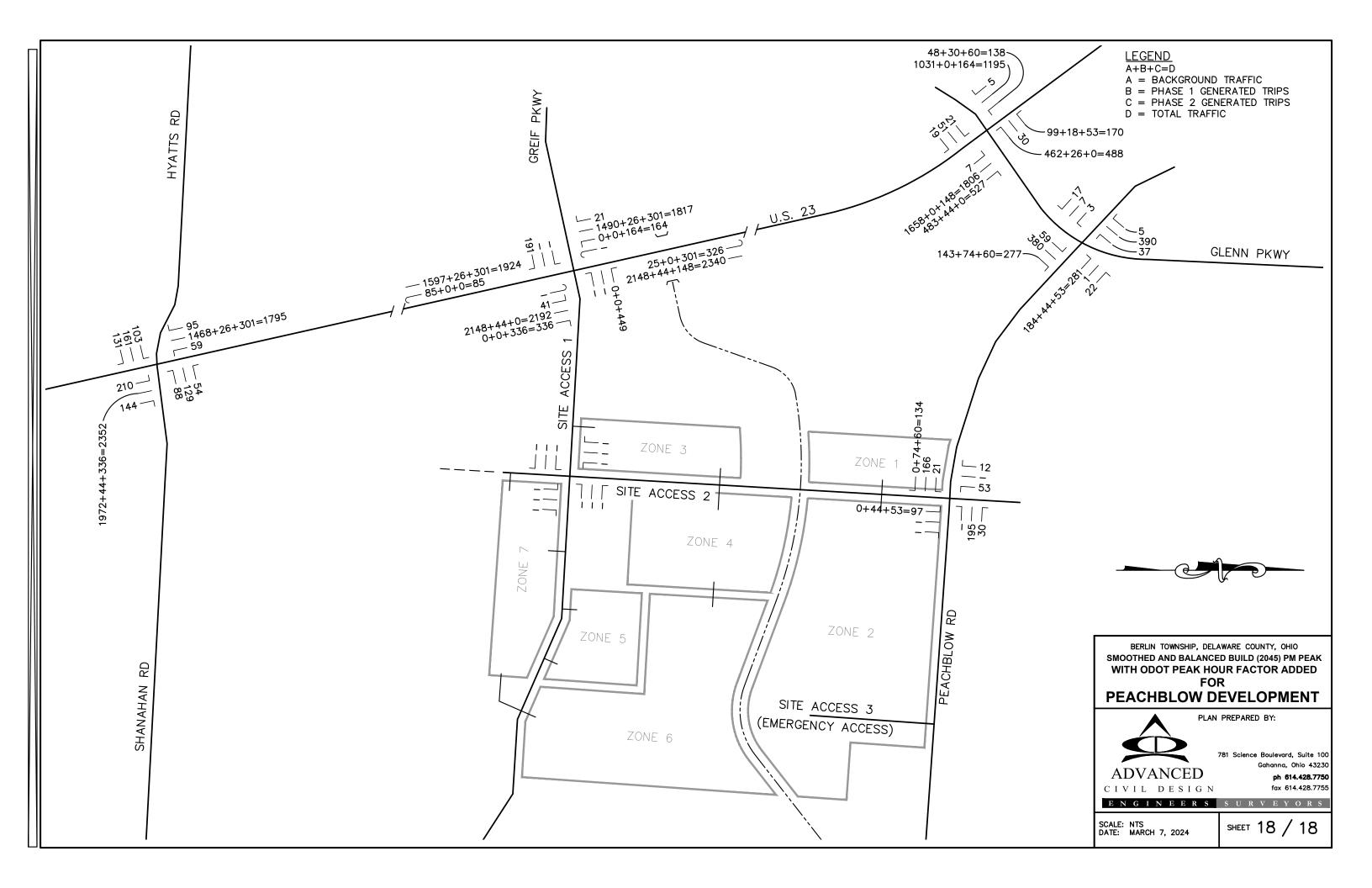


Table 4. Traffic Study Signalized Intersections LOS, Build

| l . | | | | | S | ignaliz | ed Inte | rsectio | n Leve | l of Sei | vice (L | OS/ se | c. dela | y) | | | |
|-------------------------------|----------|--------|--------|--------|--------|---------|----------|---------|--------|----------|---------|--------|---------|---------|--------|--------|-------|
| Intersection | | Build | | | | | | | | | | | | | | | |
| intersection | | | | | 20 | 25 | | | 2045 | | | | | | | | |
| | | | Α | М | | | Р | M | | | Α | M | | PM | | | |
| | | NB | SB | EB | WB | NB | SB | EB | WB | NB | SB | EB | WB | NB | SB | EB | WB |
| | | | , | | | | , | | , | | | | | | | | |
| | LT | D/35.4 | - | - | D/48.0 | | | _ | D/48.1 | | | D/51.5 | F/626.1 | E/60.5 | E/57.0 | | |
| | TH | C/20.3 | B/19.2 | C/32.1 | C/34.1 | C/30.7 | <u> </u> | C/31.1 | C/32.9 | C/22.2 | C/28.9 | | D/47.6 | | B/15.1 | D/54.7 | - |
| US 23 & Glenn Parkway | RT | A/0.0 | A/9.0 | C/31.6 | · · | _ | A/9.4 | C/30.8 | C/32.9 | A/0.0 | | _ | D/47.6 | _ | A/9.0 | D/53.3 | _ |
| | Approach | B/14.6 | B/18.7 | C/32.2 | D/44.2 | C/23.2 | B/14.2 | C/32.0 | D/44.5 | B/16.6 | C/31.2 | E/55.5 | F/451.5 | D/42.6 | B/19.4 | D/53.2 | F/517 |
| | Overall | | C/2 | 20.9 | | | C/2 | 3.4 | | | F/9 | 2.7 | | | F/1 | 09.2 | |
| | | | | | | | | , | | | | | , | | , | | |
| | LT | C/25.4 | A/5.4 | D/54.7 | _ | A/6.5 | B/11.5 | D/53.5 | | - | - | - | - | - | - | - | - |
| US 23 & Grief Parkway | TH | A/3.5 | B/14.4 | E/56.1 | E/73.9 | A/6.6 | B/10.1 | E/58.7 | E/73.9 | - | - | - | - | - | - | - | - |
| | RT | A/3.5 | A/5.7 | E/56.1 | E/73.9 | A/6.6 | A/5.9 | E/58.7 | E/73.9 | - | - | - | - | - | - | - | - |
| | Approach | A/6.2 | B/14.1 | E/55.6 | E/73.9 | A/6.6 | B/10.1 | E/56.4 | E/73.9 | - | - | - | - | - | - | - | - |
| | Overall | | B/1 | 1.5 | | | A/1 | 10.0 | | | | - | | - | | | |
| | | | | | | | | | | | | | | | | | |
| | LT | C/26.2 | B/11.9 | D/43.8 | D/44.1 | B/16.5 | C/21.4 | D/44.9 | D/45.1 | C/28.4 | C/20.0 | D/42.9 | D/42.7 | D/43.9 | C/27.9 | D/44.1 | D/44. |
| | TH | B/17.1 | C/34.3 | D/53.3 | D/52.6 | C/24.2 | B/19.4 | E/55.2 | D/52.9 | C/24.4 | F/119.3 | D/52.6 | D/51.3 | F/128.5 | F/62.6 | D/54.5 | D/53. |
| US 23 & Shanahan/ Hyatts Road | RT | A/8.3 | D/35.4 | D/46.5 | D/41.7 | A/7.9 | B/19.6 | D/45.3 | D/44.1 | A/9.1 | F/123.5 | D/45.6 | D/39.9 | A/8.8 | F/68.3 | D/39.9 | D/43. |
| | Approach | B/16.7 | C/34.2 | D/48.8 | D/48.4 | C/22.5 | B/19.6 | D/49.2 | D/48.6 | C/23.4 | F/118.6 | D/47.9 | D/47.1 | F/115.5 | E/64.3 | D/46.9 | D/48. |
| | Overall | | C/3 | 80.6 | | | C/2 | 5.5 | | | E/7 | 4.5 | | F/88.3 | | | |
| | | | | | | | | | | | | | | | | | |
| | LT | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | TH | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Glenn Pkwy & Peachblow Rd. | RT | - | - | - | - | • | - | - | - | • | • | - | - | - | - | - | - |
| | Approach | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | Overall | | | - | | | | - | | | | - | | | | - | |

Table 5. Traffic Study Un-Signalized Intersections LOS, Build

| | Un-Signalized Intersection Level of Service (LOS/ sec. delay) | | | | | | | | | | | | | | | |
|--------------------------------|---|--------|-------|-------|--------|--------|-------|-------|---------|--------|-------|-------|---------|--------|-------|-------|
| Intersection | Build | | | | | | | | | | | | | | | |
| Intersection | | | | 20 |)25 | | | 2045 | | | | | | | | |
| | | А | M | | | Р | М | | | А | М | | PM | | | |
| | NB | SB | EB | WB | NB | SB | EB | WB | NB | SB | EB | WB | NB | SB | EB | WB |
| | | | | | | | | | | | | | | | | |
| Glenn Pkwy & Peachblow Rd | F/107.3 | B/11.6 | A/3.9 | A/0.8 | E/41.0 | B/13.1 | A/0.7 | A/0.7 | F/783.1 | C/16.2 | A/4.5 | A/0.7 | F/415.4 | C/18.1 | A/0.7 | A/0.8 |
| | | | | | | | | | | | | | | | | |
| Peachblow Road & Site Access 2 | B/11.3 | A/9.9 | A/0.5 | A/0.2 | B/12.3 | B/11.5 | A/0.7 | A/0.0 | B/12.9 | B/10.6 | A/0.3 | A/0.4 | C/15.7 | B/13.3 | A/0.5 | A/0.0 |
| | | | | | | | | | | | | | | | | |

The above analysis results show that all the signalized study intersections operate at acceptable LOS for the Opening Year Build with the exception of Greif Parkway which continues to operate at LOS B but with side street movements at LOS E, the same as in the No Build.

The un-signalized, intersections including the proposed Site Access Point & Peachblow Road operate at acceptable LOS for Opening and Design Year, with the exception of Peachblow & Glenn. The northbound movement operates at LOS F in the AM of the Opening Year and LOS F for the AM and PM in the Design Year. (See appendices calculations).



Conclusions and Recommendations

The results of the study show that in the Opening Year all the study intersections operate at an acceptable Level of Service(LOS) with the exception of the northbound left at Glenn Parkway & Peachblow Road. The movement operates at LOS E in the Opening Year No Build and LOS F in the Opening Year Build condition.

Traffic signal warrants 2 and 3 are not met in the 2025 No Build or 2025 Build conditions (see appendix).

As shown in the analysis section of this study, the intersection of Peachblow & Crownover Way/ Site Access operates at an acceptable LOS for both the No Build and Build conditions for both 2025 and 2045.

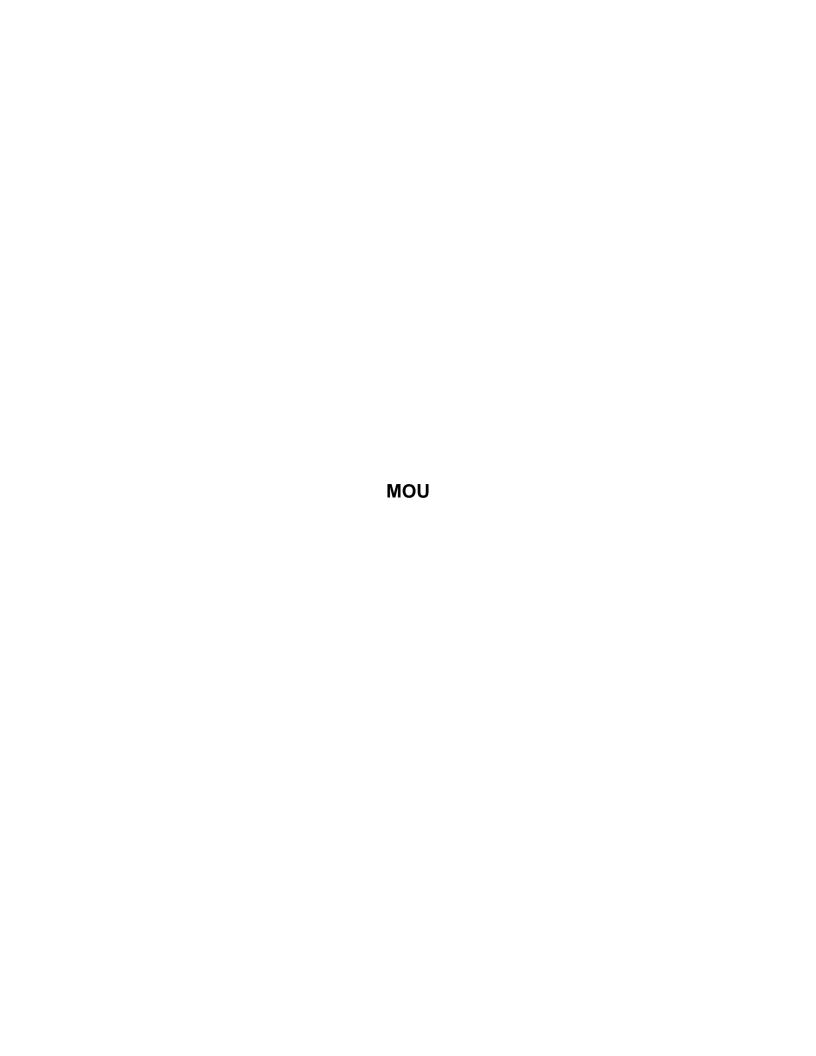
A westbound left turn is required by the DCEO and this study recommends the construction of a 285 feet westbound left turn lane at this intersection.

A right turn lane is not warranted for the 2025 Build conditions at the Peachblow & Crownover Way, but is warranted for the 2045 Build conditions.

Given that the future improvements at the intersections along US 23 are unknown at this time and their impact on traffic movements is also unknow this study does not recommend any improvements that may be related to 2045 impacts only.







APPROVED AS NOTED

August 24, 2023

Michael Love, PE PTOE (Delaware County) To:

Peachblow Mixed Use Development - Traffic Impact Study Subject:

Memorandum of Understanding

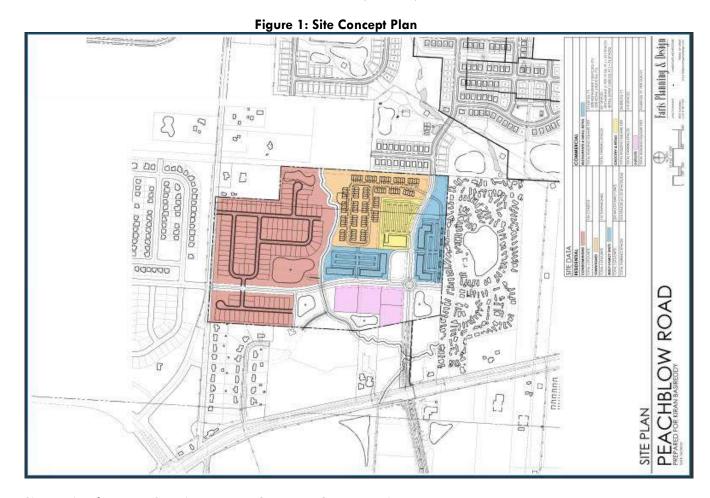
All,

We submit this Memorandum of Understanding (MOU) to document the scope of the above captioned traffic study as discussed in a meeting with the staff of Delaware County and ODOT District 6 on August 3, 2023...

CIVIL DESIGN

Proposed Development & Access Plan

Figure 1 shows the development concept for site layout and access points. Proposed access includes one full movement access point on Peachblow Road and one Left-in/Right-in/Right-out access on US 23 from the site.



Site Design for 2025 Opening Year and 2035 and 2045 Design Year

- 207 multi-family units
- 234 Condo/Townhome units
- 26,000 square feet Grocery/Retail

- 38,000 square feet Restaurant/ Small Retail
- 40,000 square feet Outlots (4)

Study Area

The Study Area of this TIS is limited to the following intersections:

- 1. US 23 & Site Access 1 / Greif Parkway (LiRiRo, ODOT)
- 2. US 23 & Glenn Parkway (ODOT)
- 3. Glenn Parkway & Peachblow Road (City of Delaware)
- 4. Peachblow Road & Site Access 2 (City of Delaware and Delaware County)
- 5. Site N/S roadway & Site E/W roadway Roundabout (Delaware County)
- 6. Peachblow Road & Site Access 3 (DCEO) Emergency access?

this access will line up with Crownover Way and will require a WB left turn lane



Data Collection

Traffic data will be collected at the study intersections. Additional data may be provided by ODOT, City of Delaware or the DCEO if intersection counts are available from any of those entities.

Future traffic growth rates will be derived from ODOT studies and/ or from the Mid-Ohio Regional Planning Commission (MORPC) if required.

Trip Generation and Distribution

This study will estimate new trips generated by development according to the data and procedures contained in the <u>Trip Generation Manual</u>, 11th ed. (Institute of Transportation Engineers, 2021). We will use land use code 220 for the Multi-Family portions of the development, LUC 215 for the condo's and townhomes sections and land use codes 850, 932, 822, 848, 843 and 816 for the commercial/ retail portions of the site. The trips generated for the proposed land uses are shown in **Table 1**.

Table 1: Trip Generation

| | | | | | Trin Cono | ration | | | | | | |
|-------------------------|------------------------|----------------|-------|------|-----------|--------|---------|---------|----------|---------|---------|-----------|
| | | | | | Trip Gene | ration | | | | | | |
| Description | Land Use Code (LUC) | Total Trips | Enter | Exit | Pass-By | | Primary | Pass-By | Total IN | Primary | Pass-By | Total OUT |
| Multi-Family | 220 | 87 | 24% | 76% | | AM | 21 | - | 21 | 66 | - | 66 |
| Residential - 207 units | 220 | 110 | 63% | 37% | - | PM | 69 | - | 69 | 41 | - | 41 |
| Condo/ Townhome | 215 | 115 | 25% | 75% | | AM | 29 | - | 29 | 86 | - | 86 |
| Residential - 234 units | 213 | 135 | 59% | 41% | - | PM | 80 | - | 80 | 55 | - | 55 |
| Grocery - 26k S.F | 850 | 74 | 59% | 41% | - | AM | 44 | - | 44 | 30 | - | 30 |
| Grocery - 20k 3.F | 630 | 233 | 50% | 50% | - | PM | 117 | - | 117 | 117 | - | 117 |
| Restuarant - 19k S.F | 932 | 77 | 55% | 45% | | AM | 42 | - | 42 | 35 | - | 35 |
| Nestudialit - 15K 3.F | 532 | 72 | 61% | 39% | - | PM | 44 | - | 44 | 28 | - | 28 |
| Retail - 19k S.F | 822 | 45 | 60% | 40% | | AM | 27 | - | 27 | 18 | - | 18 |
| Netall - 15K 3.F | 622 | 125 | 50% | 50% | - | PM | 63 | - | 63 | 63 | - | 63 |
| Commercial - 40k S.F | 822/848/843 | 104 | 64% | 36% | - | AM | 67 | - | 67 | 37 | - | 37 |
| (4 @ 10k ea.) | /816 | 192 | 50% | 50% | - | PM | 96 | - | 96 | 96 | - | 96 |

Traffic Assignment and Volume Balancing

This study developed AM and PM peak hour volumes for the following scenarios and the attached volume exhibits are submitted for review with this submission:

- 2025 No-Build Site
- 2025 Build Site
- 2035 No-Build Site
- 2035 Build Site
- 2045 No-Build Site
- 2045 Build Site

The attached volume exhibits will increase counts to design year No-Build conditions based on calculated growth rates.

Traffic Analyses

Intersection Capacity Analyses

Advanced Civil Design will use Synchro (v.11) and HCS software to evaluate intersection capacity at Study Area intersections that are under the control of the City of Delaware and DCEO. We will use HCS for intersections under the control of the ODOT. SIDRA will be used to provide the analysis for any roundabouts in the study area.

ODOT, City of Delaware and DCEO performance criteria for the overall intersection Level of Service (LOS) is LOS D with individual movements also at LOS D or better. If improvements required to meet traditional agency performance criteria are not practical, this study will consider alternate goals such as restoring predevelopment performance and/or mitigating queues where background conditions are severely deficient. Agency concurrence is required in the event that alternate criteria are used as the basis for study recommendations.

Turn Lane Warrant Analysis

We will analyze right turn lane warrants at proposed site access points for the locations controlled by DCEO. Left turn lane warrants are generally not applicable because DCEO requires left turn lane additions to the street being accessed when 10 or more left turn movements are made in the peak hour.

We will analyze left and right turn lane warrants at proposed site access points and intersections for the locations controlled by ODOT D6 and City of Delaware.

We will evaluate the length of existing and proposed Study Area turn lanes impacted by site generated traffic. We will prepare our turn lane analysis in accordance with the <u>Location and Design Manual</u> § 401 (Ohio Department of Transportation).

We will determine lane length based on the maximum volume for the design year Build condition for either AM or PM peak conditions considering both L&D methodology.

Signal Warrant Analysis

If signalization is considered to meet performance criteria at a location that is not currently signalized, we will evaluate traffic signal warrants. Traffic signal warrant evaluation will use thresholds established by the Ohio Manual of Uniform Traffic Control Devices §4C (Ohio Department of Transportation).

This study is limited to analysis of Warrants 1, 2 and 3. We will remove a portion of minor street right turns in accordance with the <u>Traffic Engineering Manual</u> §402-5 (Ohio Department of Transportation). We will consider roundabouts as an alternative to signalization where applicable.

Provide ADTs on any public internal streets
Will need analysis documenting single lane roundabout will work

Traffic Impact Study Report

A report including applicable figures and tables will be prepared to summarize study methodologies, analysis, findings and recommendations. We will provide the report to ODOT, City of Delaware and DCEO for review.

Please signify your concurrence with the scope of services outlined herein by signing below and returning this Memorandum of Understanding to me. Please feel free to contact me by email at mmann@advancecivildesign.com or by calling me at (614) 944-5035.

Sincerely,

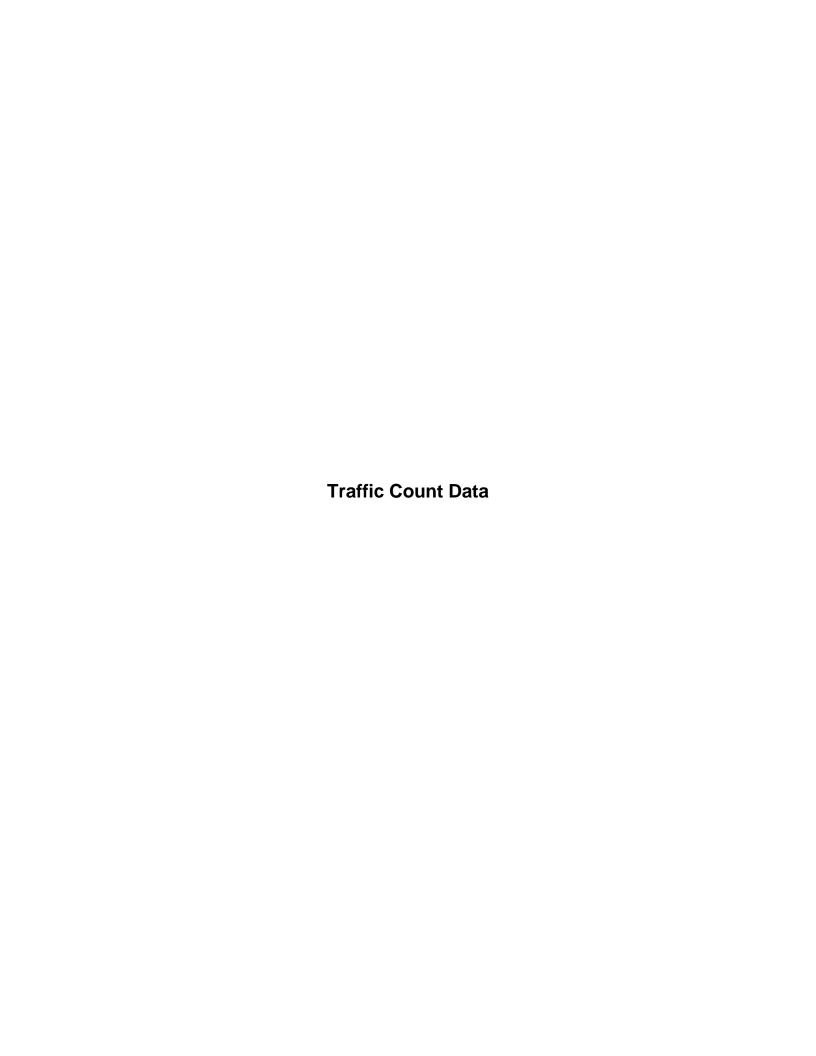
Mark I. Mann, PE

Director - Transportation Services

Mark 4. M

ACCEPTANCE AND APPROVAL OF MEMORANDUM OF UNDERSTANDING

| By: | |
|------|---------------------------------------|
| - | For City of Delaware |
| | |
| | |
| D.,, | |
| Ву: | For Delaware County Engineer's Office |
| | To belaware county Engineer's Office |
| | |
| | |
| By: | |
| _ | For ODOT District 6 |



Wed Sep 27, 2023

Full Length (5 AM-7 PM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112798, Location: 40.227581, -83.031081



| Leg Direction | | Peachblow Eastbound | Road | | | | Peachblow Ro Westbound | oad | | | | Crownover W Southbound | ay | | | | |
|------------------|-------------------|---------------------|------|---|-----|------|---------------------------|-----|---|-----|------|---------------------------|----|---|-----|------|----------|
| Time | | L | T | U | Арр | Ped* | T | R | U | Арр | Ped* | L | R | U | Арр | Ped* | Int |
| | 2023-09-27 5:00AM | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 1 | 0 | |
| | 5:15AM | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | |
| | 5:30AM | 1 | 2 | 0 | 3 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 2 | 0 | 3 | 0 | |
| | 5:45AM | 0 | 2 | 0 | 2 | 0 | 3 | 1 | 0 | 4 | 0 | 0 | 3 | 0 | 3 | 0 | |
| | Hourly Total | 1 | 5 | 0 | 6 | 0 | 7 | 1 | 0 | 8 | 0 | 1 | 7 | 0 | 8 | 0 | 2 |
| | 6:00AM | 0 | 6 | 0 | 6 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 2 | 0 | 1 |
| | 6:15AM | 1 | 7 | 0 | 8 | 0 | 9 | 0 | 0 | 9 | 0 | 0 | 4 | 0 | 4 | 0 | 2 |
| | 6:30AM | 1 | 11 | 0 | 12 | 0 | 11 | 0 | 0 | 11 | 0 | 4 | 5 | 0 | 9 | 0 | 3: |
| | 6:45AM | 0 | 15 | 0 | 15 | 0 | 12 | 0 | 0 | 12 | 0 | 8 | 3 | 0 | 11 | 0 | 3 |
| | Hourly Total | 2 | 39 | 0 | 41 | 0 | 34 | 0 | 0 | 34 | 0 | 12 | 14 | 0 | 26 | 0 | 10 |
| | 7:00AM | 1 | 19 | 0 | 20 | 0 | 17 | 1 | 0 | 18 | 0 | 7 | 3 | 0 | 10 | 0 | 4 |
| | 7:15AM | 2 | 21 | 0 | 23 | 0 | 29 | 4 | 0 | 33 | 0 | 3 | 9 | 0 | 12 | 0 | 6 |
| | 7:30AM | 3 | 32 | 0 | 35 | 0 | 34 | 0 | 0 | 34 | 0 | 4 | 5 | 0 | 9 | 0 | 7 |
| | 7:45AM | 0 | 46 | 0 | 46 | 0 | 30 | 4 | 0 | 34 | 0 | 8 | 2 | 0 | 10 | 0 | 9 |
| | Hourly Total | 6 | 118 | 0 | 124 | 0 | 110 | 9 | 0 | 119 | 0 | 22 | 19 | 0 | 41 | 0 | 28- |
| | 8:00AM | 2 | 38 | 0 | 40 | 0 | | 2 | 0 | 29 | 0 | 6 | 7 | 0 | 13 | 0 | 8 |
| | 8:15AM | 1 | 24 | 0 | 25 | 0 | | 1 | 0 | 25 | 0 | 8 | 5 | 0 | 13 | 0 | 6 |
| | 8:30AM | 1 | 24 | 0 | 25 | 0 | | 5 | 0 | 24 | 0 | 9 | 10 | 0 | 19 | 0 | 68 |
| | 8:45AM | 5 | 51 | 0 | 56 | 0 | | 4 | 0 | 36 | 0 | 22 | 8 | 0 | 30 | 0 | 12 |
| | Hourly Total | 9 | 137 | 0 | 146 | 0 | | 12 | 0 | 114 | 0 | 45 | 30 | 0 | 75 | 0 | 33! |
| | 9:00AM | 3 | 18 | 0 | 21 | 0 | | 15 | 0 | 54 | 0 | 8 | 5 | 0 | 13 | 0 | 88 |
| | 9:15AM | 1 | 11 | 0 | 12 | 0 | | 2 | 0 | 27 | 0 | 3 | 6 | 0 | 9 | 0 | 4 |
| | 9:30AM | 0 | 18 | 0 | 18 | 0 | | 0 | 0 | 12 | 0 | 4 | 5 | 0 | 9 | 0 | 3: |
| | 9:45AM | 2 | 10 | 0 | 12 | 0 | | 0 | 0 | 15 | 0 | 3 | 5 | 0 | 8 | 0 | 3! |
| | Hourly Total | 6 | 57 | 0 | 63 | 0 | | 17 | 0 | 108 | 0 | 18 | 21 | 0 | 39 | 0 | 210 |
| | | 2 | | 0 | | 0 | | | | | 0 | | | | 7 | 0 | |
| | 10:00AM | | 9 | | 11 | | | 1 | 0 | 21 | | 3 | 4 | 0 | 2 | 0 | 39 21 |
| | 10:15AM | 2 | 13 | 0 | 15 | 0 | | 0 | 0 | 24 | 0 | 1 | 1 | 0 | | | 5 |
| | 10:30AM | 2 | 14 | 0 | 16 | 0 | | 3 | 0 | | 0 | 5 | 6 | 0 | 11 | 0 | |
| | 10:45AM | 2 | 29 | 0 | 31 | 0 | | 0 | 0 | 16 | 0 | 1 | 3 | 0 | 4 | 0 | 5 |
| | Hourly Total | 8 | 65 | 0 | 73 | 0 | | 4 | 0 | 65 | 0 | 10 | 14 | 0 | 24 | 0 | 16 |
| | 11:00AM | 1 | 17 | 0 | 18 | 0 | | 0 | 0 | 20 | 0 | 1 | 2 | 0 | 3 | 0 | 4 |
| | 11:15AM | 0 | 12 | 0 | 12 | 0 | | 1 | 0 | 21 | 0 | 6 | 5 | 0 | 11 | 0 | 4 |
| | 11:30AM | 5 | 17 | 0 | 22 | 0 | | 6 | 0 | 17 | 0 | 1 | 4 | 0 | 5 | 0 | 4 |
| | 11:45AM | 4 | 25 | 0 | 29 | 0 | | 2 | 0 | 26 | 0 | 1 | 4 | 0 | 5 | 0 | 6 |
| | Hourly Total | | 71 | 0 | 81 | 0 | | 9 | 0 | 84 | 0 | | 15 | 0 | 24 | 0 | |
| | 12:00PM | | 18 | 0 | 22 | 0 | | 4 | 0 | 31 | 0 | 3 | 2 | 0 | 5 | 0 | 5 |
| | 12:15PM | | 25 | 0 | 31 | 0 | | 1 | 0 | 14 | 0 | 2 | 4 | 0 | 6 | 3 | 5 |
| | 12:30PM | | 19 | 0 | 21 | 0 | | 2 | 0 | 17 | 0 | 1 | 4 | 0 | 5 | 0 | 4 |
| | 12:45PM | | 18 | 0 | 20 | 0 | | 2 | 0 | 19 | 0 | 2 | 3 | 0 | 5 | 0 | 4 |
| | Hourly Total | | 80 | 0 | 94 | 0 | | 9 | 0 | 81 | 0 | | 13 | 0 | 21 | 3 | |
| | 1:00PM | | 31 | 0 | 31 | 0 | | 3 | 0 | 26 | 0 | 7 | 5 | 0 | 12 | 0 | 6 |
| | 1:15PM | | 16 | 0 | 20 | 0 | | 0 | 0 | 25 | 0 | 2 | 2 | 0 | 4 | 0 | 4 |
| | 1:30PM | | 17 | 0 | 23 | 0 | 10 | 5 | 0 | 15 | 0 | 3 | 2 | 0 | 5 | 0 | 4 |
| | 1:45PM | 2 | 13 | 0 | 15 | 0 | 16 | 4 | 0 | 20 | 0 | 2 | 2 | 0 | 4 | 0 | 3 |
| | Hourly Total | 12 | 77 | 0 | 89 | 0 | 74 | 12 | 0 | 86 | 0 | 14 | 11 | 0 | 25 | 0 | 20 |
| | 2:00PM | 1 | 19 | 0 | 20 | 0 | 20 | 2 | 0 | 22 | 0 | 4 | 3 | 0 | 7 | 0 | 4 |
| | 2:15PM | 3 | 43 | 0 | 46 | 0 | 8 | 1 | 0 | 9 | 0 | 4 | 2 | 0 | 6 | 0 | 6 |
| _ | 2:30PM | 1 | 29 | 0 | 30 | 0 | 23 | 5 | 0 | 28 | 0 | 2 | 3 | 0 | 5 | 0 | 6 |
| | 2:45PM | 4 | 17 | 0 | 21 | 0 | 18 | 4 | 0 | 22 | 0 | 3 | 2 | 0 | 5 | 0 | 4 |
| | Hourly Total | 9 | 108 | 0 | 117 | 0 | 69 | 12 | 0 | 81 | 0 | 13 | 10 | 0 | 23 | 0 | 22 |
| | 3:00PM | | 24 | 0 | 31 | 0 | 15 | 1 | 0 | 16 | 0 | 2 | 4 | 0 | 6 | 0 | 5 |
| | 3:15PM | 4 | 35 | 0 | 39 | 0 | | 3 | 0 | 31 | 0 | 4 | 1 | 0 | 5 | 0 | 7 |
| | 3:30PM | 7 | 45 | 0 | 52 | 0 | | 4 | 0 | 25 | 0 | 9 | 2 | 0 | 11 | 0 | 8 |
| | 3:45PM | _ | 30 | 0 | 38 | 0 | | 14 | 0 | 56 | 0 | | 1 | 0 | 6 | 0 | 10 |

| Leg Direction | Peachblow Eastbound | | | | | Peachblow Westbound | | | | | Crownover Southbound | , | | | | |
|--------------------------|------------------------|-------|----|-------|------|------------------------|-------|----|-------|------|-------------------------|-------|----|-------|------|-------|
| Time | Lastoound | T | U | Арр | Ped* | T | R | U | App | Ped* | L | R | U | Арр | Ped* | Int |
| Hourly Total | 26 | 134 | 0 | 160 | 0 | _ | 22 | 0 | 128 | 0 | 20 | 8 | 0 | 28 | 0 | 316 |
| 4:00PM | 5 | 22 | 0 | 27 | 0 | | 9 | 0 | 71 | 0 | 7 | 2 | 0 | 9 | 0 | 107 |
| 4:15PM | 2 | 29 | 0 | 31 | 0 | | 3 | 0 | 26 | 0 | 4 | 1 | 0 | 5 | 0 | 62 |
| 4:30PM | 5 | 19 | 0 | 24 | 0 | | 7 | 0 | 38 | 0 | 3 | 2 | 0 | 5 | 0 | 67 |
| 4:45PM | 10 | 23 | 0 | 33 | 0 | | 4 | 0 | 30 | 0 | 5 | 4 | 0 | 9 | 0 | 72 |
| Hourly Total | 22 | 93 | 0 | 115 | 0 | 142 | 23 | 0 | 165 | 0 | 19 | 9 | 0 | 28 | 0 | 308 |
| 5:00PM | 9 | 28 | 0 | 37 | 0 | 38 | 5 | 0 | 43 | 0 | 0 | 7 | 0 | 7 | 0 | 87 |
| 5:15PM | 6 | 23 | 0 | 29 | 0 | 30 | 9 | 0 | 39 | 0 | 5 | 9 | 0 | 14 | 0 | 82 |
| 5:30PM | 6 | 27 | 0 | 33 | 0 | 26 | 10 | 0 | 36 | 0 | 3 | 10 | 0 | 13 | 0 | 82 |
| 5:45PM | 7 | 22 | 0 | 29 | 0 | 28 | 11 | 0 | 39 | 0 | 2 | 9 | 0 | 11 | 0 | 79 |
| Hourly Total | 28 | 100 | 0 | 128 | 0 | 122 | 35 | 0 | 157 | 0 | 10 | 35 | 0 | 45 | 0 | 330 |
| 6:00PM | 11 | 14 | 0 | 25 | 0 | 11 | 4 | 0 | 15 | 0 | 2 | 6 | 0 | 8 | 0 | 48 |
| 6:15PM | 9 | 12 | 0 | 21 | 0 | 12 | 4 | 0 | 16 | 0 | 4 | 5 | 0 | 9 | 0 | 46 |
| 6:30PM | 7 | 17 | 0 | 24 | 0 | 10 | 6 | 0 | 16 | 0 | 5 | 8 | 0 | 13 | 0 | 53 |
| 6:45PM | 11 | 8 | 0 | 19 | 0 | 8 | 3 | 0 | 11 | 0 | 2 | 5 | 0 | 7 | 0 | 37 |
| Hourly Total | 38 | 51 | 0 | 89 | 0 | 41 | 17 | 0 | 58 | 0 | 13 | 24 | 0 | 37 | 0 | 184 |
| Total | 191 | 1135 | 0 | 1326 | 0 | 1106 | 182 | 0 | 1288 | 0 | 214 | 230 | 0 | 444 | 3 | 3058 |
| % Approach | 14.4% | 85.6% | 0% | - | - | 85.9% | 14.1% | 0% | - | - | 48.2% | 51.8% | 0% | - | - | - |
| % Total | 6.2% | 37.1% | 0% | 43.4% | - | 36.2% | 6.0% | 0% | 42.1% | - | 7.0% | 7.5% | 0% | 14.5% | - | - |
| Lights and Motorcycles | 184 | 1047 | 0 | 1231 | - | 1044 | 172 | 0 | 1216 | - | 200 | 230 | 0 | 430 | - | 2877 |
| % Lights and Motorcycles | 96.3% | 92.2% | 0% | 92.8% | - | 94.4% | 94.5% | 0% | 94.4% | - | 93.5% | 100% | 0% | 96.8% | - | 94.1% |
| Heavy | 7 | 88 | 0 | 95 | - | 62 | 10 | 0 | 72 | - | 14 | 0 | 0 | 14 | - | 181 |
| % Heavy | 3.7% | 7.8% | 0% | 7.2% | - | 5.6% | 5.5% | 0% | 5.6% | - | 6.5% | 0% | 0% | 3.2% | - | 5.9% |
| Pedestrians | - | - | - | - | 0 | - | - | - | - | 0 | - | - | - | - | 3 | |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 100% | - |

^{*}Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Wed Sep 27, 2023

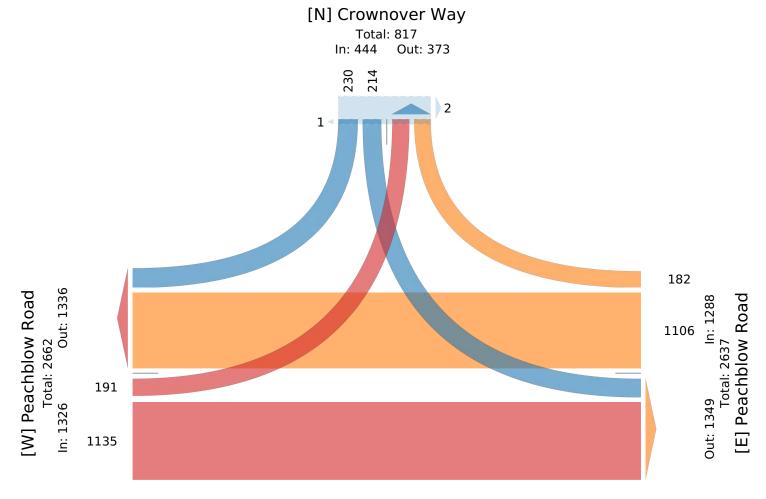
Full Length (5 AM-7 PM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112798, Location: 40.227581, -83.031081





Wed Sep 27, 2023

AM Peak (8:15 AM - 9:15 AM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112798, Location: 40.227581, -83.031081



| Leg | Peachblow | Road | | | | Peachblov | v Road | | | | Crownove | r Way | | | | |
|--------------------------|-----------|-------|----|-------|------|-----------|--------|----|-------|------|-----------|-------|----|-------|------|-------|
| Direction | Eastbound | | | | | Westboun | d | | | | Southboun | d | | | | |
| Time | L | T | U | Арр | Ped* | T | R | U | App | Ped* | L | R | U | Арр | Ped* | Int |
| 2023-09-27 8:15AM | 1 | 24 | 0 | 25 | 0 | 24 | 1 | 0 | 25 | 0 | 8 | 5 | 0 | 13 | 0 | 63 |
| 8:30AM | 1 | 24 | 0 | 25 | 0 | 19 | 5 | 0 | 24 | 0 | 9 | 10 | 0 | 19 | 0 | 68 |
| 8:45AM | 5 | 51 | 0 | 56 | 0 | 32 | 4 | 0 | 36 | 0 | 22 | 8 | 0 | 30 | 0 | 122 |
| 9:00AM | 3 | 18 | 0 | 21 | 0 | 39 | 15 | 0 | 54 | 0 | 8 | 5 | 0 | 13 | 0 | 88 |
| Total | 10 | 117 | 0 | 127 | 0 | 114 | 25 | 0 | 139 | 0 | 47 | 28 | 0 | 75 | 0 | 341 |
| % Approach | 7.9% | 92.1% | 0% | - | - | 82.0% | 18.0% | 0% | - | - | 62.7% | 37.3% | 0% | - | - | - |
| % Total | 2.9% | 34.3% | 0% | 37.2% | - | 33.4% | 7.3% | 0% | 40.8% | - | 13.8% | 8.2% | 0% | 22.0% | - | - |
| PHF | 0.500 | 0.574 | - | 0.567 | - | 0.731 | 0.417 | - | 0.644 | - | 0.534 | 0.700 | - | 0.625 | - | 0.699 |
| Lights and Motorcycles | 9 | 101 | 0 | 110 | - | 107 | 23 | 0 | 130 | - | 44 | 28 | 0 | 72 | - | 312 |
| % Lights and Motorcycles | 90.0% | 86.3% | 0% | 86.6% | - | 93.9% | 92.0% | 0% | 93.5% | - | 93.6% | 100% | 0% | 96.0% | - | 91.5% |
| Heavy | 1 | 16 | 0 | 17 | - | 7 | 2 | 0 | 9 | - | 3 | 0 | 0 | 3 | - | 29 |
| % Heavy | 10.0% | 13.7% | 0% | 13.4% | - | 6.1% | 8.0% | 0% | 6.5% | - | 6.4% | 0% | 0% | 4.0% | - | 8.5% |
| Pedestrians | - | - | - | - | 0 | - | - | - | - | 0 | - | - | - | - | 0 | |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

^{*}Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Wed Sep 27, 2023

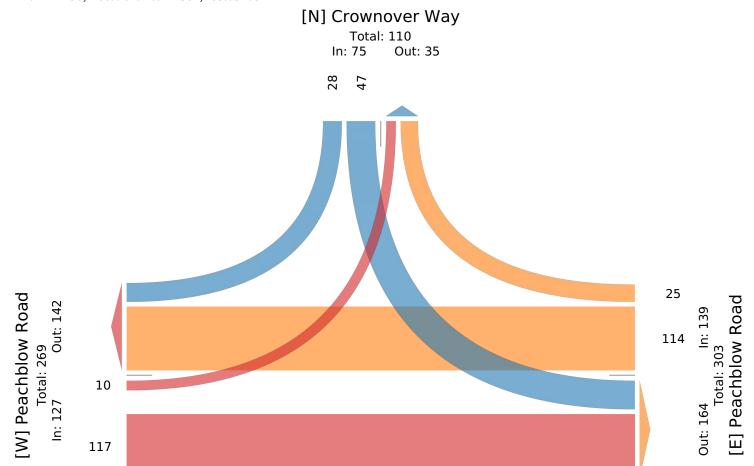
AM Peak (8:15 AM - 9:15 AM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112798, Location: 40.227581, -83.031081





Wed Sep 27, 2023

Midday Peak (11:30 AM - 12:30 PM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112798, Location: 40.227581, -83.031081



| Leg | Peachblow | Road | | | | Peachblov | Road | | | | Crownove | r Way | | | | |
|--------------------------|-----------|-------|----|-------|------|-----------|-------|----|-------|------|-----------|-------|----|-------|------|-------|
| Direction | Eastbound | | | | | Westboun | d | | | | Southboun | ıd | | | | |
| Time | L | T | U | App | Ped* | T | R | U | Арр | Ped* | L | R | U | App | Ped* | Int |
| 2023-09-27 11:30AM | 5 | 17 | 0 | 22 | 0 | 11 | 6 | 0 | 17 | 0 | 1 | 4 | 0 | 5 | 0 | 44 |
| 11:45AM | 4 | 25 | 0 | 29 | 0 | 24 | 2 | 0 | 26 | 0 | 1 | 4 | 0 | 5 | 0 | 60 |
| 12:00PM | 4 | 18 | 0 | 22 | 0 | 27 | 4 | 0 | 31 | 0 | 3 | 2 | 0 | 5 | 0 | 58 |
| 12:15PM | 6 | 25 | 0 | 31 | 0 | 13 | 1 | 0 | 14 | 0 | 2 | 4 | 0 | 6 | 3 | 51 |
| Total | 19 | 85 | 0 | 104 | 0 | 75 | 13 | 0 | 88 | 0 | 7 | 14 | 0 | 21 | 3 | 213 |
| % Approach | 18.3% | 81.7% | 0% | - | - | 85.2% | 14.8% | 0% | - | - | 33.3% | 66.7% | 0% | - | - | - |
| % Total | 8.9% | 39.9% | 0% | 48.8% | - | 35.2% | 6.1% | 0% | 41.3% | - | 3.3% | 6.6% | 0% | 9.9% | - | - |
| PHF | 0.792 | 0.850 | - | 0.839 | - | 0.694 | 0.542 | - | 0.710 | - | 0.583 | 0.875 | - | 0.875 | - | 0.888 |
| Lights and Motorcycles | 18 | 76 | 0 | 94 | - | 69 | 12 | 0 | 81 | - | 6 | 14 | 0 | 20 | - | 195 |
| % Lights and Motorcycles | 94.7% | 89.4% | 0% | 90.4% | - | 92.0% | 92.3% | 0% | 92.0% | - | 85.7% | 100% | 0% | 95.2% | - | 91.5% |
| Heavy | 1 | 9 | 0 | 10 | - | 6 | 1 | 0 | 7 | - | 1 | 0 | 0 | 1 | - | 18 |
| % Heavy | 5.3% | 10.6% | 0% | 9.6% | - | 8.0% | 7.7% | 0% | 8.0% | - | 14.3% | 0% | 0% | 4.8% | - | 8.5% |
| Pedestrians | - | - | - | - | 0 | - | - | - | - | 0 | - | - | - | - | 3 | |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 100% | - |

^{*}Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Wed Sep 27, 2023

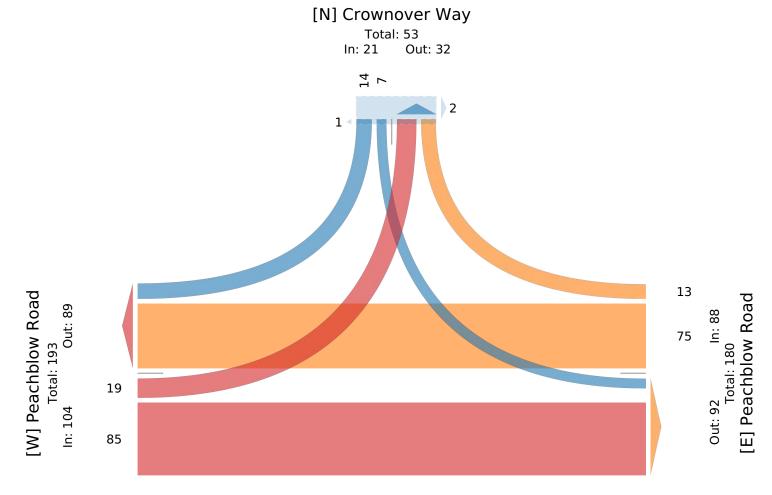
Midday Peak (11:30 AM - 12:30 PM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112798, Location: 40.227581, -83.031081





Wed Sep 27, 2023

PM Peak (3:15 PM - 4:15 PM) - Overall Peak Hour

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112798, Location: 40.227581, -83.031081



| Leg | Peachblow | Road | | | | Peachblow | Road | | | | Crownover | Way | | | | |
|--------------------------|-----------|-------|----|-------|------|-----------|-------|----|-------|------|------------|-------|----|-------|------|-------|
| Direction | Eastbound | | | | | Westbound | 1 | | | | Southbound | i | | | | |
| Time | L | T | U | Арр | Ped* | T | R | U | App | Ped* | L | R | U | Арр | Ped* | Int |
| 2023-09-27 3:15PM | 4 | 35 | 0 | 39 | 0 | 28 | 3 | 0 | 31 | 0 | 4 | 1 | 0 | 5 | 0 | 75 |
| 3:30PM | 7 | 45 | 0 | 52 | 0 | 21 | 4 | 0 | 25 | 0 | 9 | 2 | 0 | 11 | 0 | 88 |
| 3:45PM | 8 | 30 | 0 | 38 | 0 | 42 | 14 | 0 | 56 | 0 | 5 | 1 | 0 | 6 | 0 | 100 |
| 4:00PM | 5 | 22 | 0 | 27 | 0 | 62 | 9 | 0 | 71 | 0 | 7 | 2 | 0 | 9 | 0 | 107 |
| Total | 24 | 132 | 0 | 156 | 0 | 153 | 30 | 0 | 183 | 0 | 25 | 6 | 0 | 31 | 0 | 370 |
| % Approach | 15.4% | 84.6% | 0% | - | - | 83.6% | 16.4% | 0% | - | - | 80.6% | 19.4% | 0% | - | - | - |
| % Total | 6.5% | 35.7% | 0% | 42.2% | - | 41.4% | 8.1% | 0% | 49.5% | - | 6.8% | 1.6% | 0% | 8.4% | - | - |
| PHF | 0.750 | 0.733 | - | 0.750 | - | 0.617 | 0.536 | - | 0.644 | - | 0.694 | 0.750 | - | 0.705 | - | 0.864 |
| Lights and Motorcycles | 23 | 115 | 0 | 138 | - | 143 | 26 | 0 | 169 | - | 22 | 6 | 0 | 28 | - | 335 |
| % Lights and Motorcycles | 95.8% | 87.1% | 0% | 88.5% | - | 93.5% | 86.7% | 0% | 92.3% | - | 88.0% | 100% | 0% | 90.3% | - | 90.5% |
| Heavy | 1 | 17 | 0 | 18 | - | 10 | 4 | 0 | 14 | - | 3 | 0 | 0 | 3 | - | 35 |
| % Heavy | 4.2% | 12.9% | 0% | 11.5% | - | 6.5% | 13.3% | 0% | 7.7% | - | 12.0% | 0% | 0% | 9.7% | - | 9.5% |
| Pedestrians | - | - | - | - | 0 | - | - | - | - | 0 | - | - | - | - | 0 | |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

^{*}Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Wed Sep 27, 2023

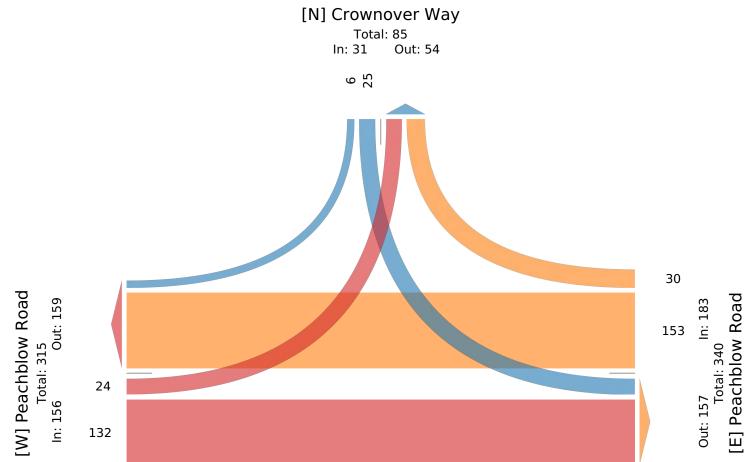
PM Peak (3:15 PM - 4:15 PM) - Overall Peak Hour

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112798, Location: 40.227581, -83.031081





Glenn Pkwy & Peachblow Rd - TMC Wed Sep 27, 2023

Full Length (5 AM-7 PM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112796, Location: 40.229729, -83.03637



| ID: 111279 | o, Loca | illoii: | 40.2 | 297 | 29, - | 03.03 | 1037 | | | | | | | | | | | | | | | | | | |
|--------------------|---------|---------|------|-----|----------|-------|---------------------|--------|----|---|-------|-----|--------------------|----------|-----|---|-----|------|---------|----------|----|-----|----------|--------|-------------|
| Leg Direction | DACC A | | | | | | Peachblo Westbou | | d | | | - 1 | Glenn P Northbo | | | | | | Glenn P | | | | | | |
| Time | L | T | R | U | App | Ped* | L | T | R | U | App I | | L | Т | R | U | App | Ped* | L | T | R | U A | App | Ped* 1 | Int |
| 2023-09-27 | | | | | | | | | | | | | | | | | | | | | | | FF | | |
| 5:00AM | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 0 | 1 | 1 | 0 | 0 | 2 | 0 | 0 | 8 | 0 | 0 | 8 | 0 | 13 |
| 5:15AM | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 2 | 0 | 3 | 0 | 0 | 6 | 0 | 0 | 6 | 0 | 11 |
| 5:30AM | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 1 | 0 | 4 | 0 | 1 | 18 | 0 | 0 | 19 | 0 | 26 |
| 5:45AM | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 1 | 0 | 0 | 6 | 0 | 0 | 4 | 2 | 0 | 6 | 0 | 0 | 14 | 0 | 0 | 14 | 0 | 26 |
| Hourly Total | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 1 | 0 | 0 | 14 | 0 | 1 | 9 | 5 | 0 | 15 | 0 | 1 | 46 | 0 | 0 | 47 | 0 | 76 |
| 6:00AM | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 4 | 0 | 1 | 5 | 6 | 0 | 12 | 0 | 0 | 26 | 0 | 0 | 26 | 0 | 42 |
| 6:15AM | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 1 | 0 | 14 | 0 | 3 | 9 | 8 | 0 | 20 | 0 | 1 | 35 | 0 | 0 | 36 | 0 | 70 |
| 6:30AM | 0 | 0 | 1 | 0 | 1 | 0 | 14 | 1 | 0 | 0 | 15 | 0 | 4 | 16 | 13 | 0 | 33 | 0 | 2 | 43 | 0 | 0 | 45 | 0 | 94 |
| 6:45AM | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 4 | 0 | 0 | 17 | 0 | 9 | 23 | 11 | 0 | 43 | 0 | 4 | 42 | 1 | 0 | 47 | 0 | 107 |
| Hourly Total | 0 | 0 | 1 | 0 | 1 | 0 | 44 | 5 | 1 | 0 | 50 | 0 | 17 | 53 | 38 | 0 | 108 | 0 | 7 | 146 | 1 | 0 : | 154 | 0 | 313 |
| 7:00AM | 0 | 0 | 1 | 0 | 1 | 0 | 13 | 5 | 2 | 0 | 20 | 0 | 21 | 22 | 19 | 0 | 62 | 0 | 2 | 60 | 7 | 0 | 69 | 0 | 152 |
| 7:15AM | 0 | 1 | 7 | 0 | 8 | 0 | 24 | 6 | 7 | 0 | 37 | 0 | 69 | 38 | 21 | 0 | 128 | 0 | 2 | 47 | 7 | 0 | 56 | 0 | 229 |
| 7:30AM | 0 | 1 | 34 | 0 | 35 | 0 | 18 | 12 | 11 | 0 | 41 | 0 | 104 | 34 | 26 | 0 | 164 | 0 | 6 | 39 | | 0 | 68 | 0 | 308 |
| 7:45AM | 1 | 3 | 29 | 0 | 33 | 0 | 19 | 6 | 6 | 0 | 31 | 0 | 35 | 40 | 34 | 0 | 109 | 0 | 10 | 51 | | 0 | 74 | 0 | 247 |
| Hourly Total | 1 | 5 | 71 | 0 | 77 | 0 | 74 | 29 | 26 | 0 | 129 | 0 | 229 | 134 | 100 | 0 | 463 | 0 | 20 | 197 | | | 267 | 0 | 936 |
| 8:00AM | 2 | 0 | 4 | 0 | 6 | 0 | 27 | 1 | 3 | 0 | 31 | 0 | 4 | 33 | 25 | 0 | 62 | 0 | 14 | 66 | | 0 | 82 | 0 | 181 |
| 8:15AM | 1 | 0 | 1 | 0 | 2 | | 28 | 0 | 4 | 0 | 32 | 0 | 1 | 51 | 21 | 0 | 73 | 0 | 4 | 82 | | 0 | 87 | 0 | 194 |
| 8:30AM | 0 | 0 | 1 | 0 | 1 | | 23 | 0 | 3 | 0 | 26 | 0 | 4 | 44 | 20 | 0 | 68 | 0 | 5 | 66 | | 0 | 71 | 0 | 166 |
| 8:45AM | 0 | 0 | 0 | 0 | 0 | | 30 | 1 | 6 | 0 | 37 | 0 | 6 | 38 | 29 | 0 | 73 | 0 | 28 | 65 | | 0 | 94 | 0 | 204 |
| Hourly Total | 3 | 0 | 6 | 0 | 9 | 0 | 108 | 2 | 16 | 0 | 126 | 0 | 15 | 166 | 95 | 0 | 276 | 0 | 51 | 279 | | | 334 | 0 | 745 |
| 9:00AM | 0 | 0 | 3 | 0 | 3 | 0 | 33 | 0 | 15 | 0 | 48 | 0 | 8 | 44 | 16 | 0 | 68 | 0 | 8 | 55 | | 0 | 63 | 0 | 182 |
| 9:15AM | 0 | 0 | 4 | 0 | 4 | | 30 | 1 | 6 | 0 | 37 | 0 | 5 | 36 | 14 | 0 | 55 | 0 | 1 | 34 | | 0 | 36 | 1 | 132 |
| 9:30AM | 1 | 0 | 1 | 0 | 2 | | 16 | 0 | 2 | 0 | 18 | 0 | 3 | 24 | 14 | 2 | 43 | 0 | 4 | 34 | | 0 | 38 | 0 | 101 |
| 9:45AM | 0 | 0 | 4 | 0 | 4 | | 16 | 0 | 2 | 0 | 18 | 0 | 3 | 32 | 11 | 0 | 46 | 0 | 0 | 37 | | 0 | 37 | 0 | 105 |
| Hourly Total | 1 | 0 | 12 | 0 | 13 | 0 | 95 | 1 | 25 | 0 | 121 | 0 | 19 | 136 | 55 | 2 | 212 | 0 | 13 | 160 | | | 174 | 1 | 520 |
| 10:00AM | 0 | 0 | 1 | 0 | 13 | | 20 | 1 | 23 | 0 | 23 | 0 | 3 | 27 | 10 | 0 | 40 | 0 | 2 | 45 | | 0 | 48 | 0 | 112 |
| 10:15AM | 0 | 0 | | 0 | | | 8 | 0 | 0 | 0 | 8 | 0 | | | 11 | 0 | 38 | 0 | 2 | | | 0 | 31 | 0 | 81 |
| 10:15AM 10:30AM | 2 | | 5 | 0 | 4 | 0 | 26 | | | | | 0 | 9 | 23 45 | | 0 | | 0 | 2 | 28 | | | | 0 | |
| | | 9 | 57 | 0 | 11 79 | 0 | | 1 | 3 | 0 | 28 | 0 | 16 | 30 | 12 | 0 | 66 | 0 | 11 | 39 50 | | 0 | 47 66 | 0 | 152 |
| 10:45AM | 13 | 13 | | 0 | 95 | 0 | 14 68 | 5 7 | 6 | 0 | 81 | 0 | 32 | 125 | 46 | | 59 | 0 | 17 | 162 | | | | - | 226 571 |
| Hourly Total | 15 | | 67 | 0 | | | | | | 0 | | 0 | | 35 | 15 | 0 | 203 | | 2 | | | 0 : | 192 | 0 | 162 |
| 11:00AM | 0 | 1 | 10 | | 11 | 0 | 14 | 6 | 4 | | 24 | | 43 | | | 0 | 93 | 0 | | 26 | | | 34 | | |
| 11:15AM | 3 | 0 | 8 | 0 | 11 | 0 | 17 | 5 | 3 | 0 | 25 | 0 | 23 | 36 | 12 | 0 | 71 | 0 | 2 | 43 | | 0 | 55 | 0 | 162 |
| 11:30AM | 1 | 0 | 3 | 0 | 4 | 0 | 13 | 2 | 0 | 0 | 15 | 0 | 5 | 37 | 20 | 0 | 62 | 0 | 2 | 35 | | 0 | 43 | 0 | 124 |
| 11:45AM | 5 | 3 | 5 | 0 | 13 | 0 | 29 | 0 | 1 | 0 | 30 | 0 | 3 | 47 | 21 | 0 | 71 | 0 | 7 | 49 | | 0 | 56 | 0 | 170 |
| Hourly Total | 9 | 4 | 26 | 0 | 39 | 0 | 73 | 13 | 8 | 0 | 94 | 0 | 74 | 155 | 68 | 0 | 297 | 0 | 13 | 153 | | | 188 | 0 | 618 |
| 12:00PM | 1 | 2 | 5 | 0 | 8 | 0 | 25 | 0 | 7 | 0 | 32 | 0 | 5 | 48 | 18 | 0 | 71 | 0 | 3 | 33 | | 0 | 36 | 0 | 147 |
| 12:15PM | 1 | 0 | 0 | 0 | 1 | | 17 | 0 | 1 | 0 | 18 | 0 | 1 | 44 | 25 | 0 | 70 | 0 | 6 | 47 | | 0 | 53 | 0 | 142 |
| 12:30PM | 0 | 0 | 7 | 0 | 7 | | 14 | 0 | 4 | 0 | 18 | 0 | 2 | 49 | 17 | 0 | 68 | 1 | 6 | 37 | | 0 | 43 | 0 | 136 |
| 12:45PM | 1 | 0 | 1 | | 2 | | 15 | 0 | 6 | 0 | 21 | 0 | 3 | 39 | 18 | 0 | 60 | 0 | 3 | 23 | | 0 | 28 | 0 | 111 |
| Hourly Total | 3 | 2 | 13 | 0 | 18 | 0 | 71 | 0 | 18 | 0 | 89 | 0 | 11 | 180 | 78 | 0 | 269 | 1 | 18 | 140 | 2 | | 160 | 0 | 536 |
| 1:00PM | 2 | 0 | 4 | | 6 | | 19 | 0 | 2 | | 21 | 0 | 5 | 48 | 25 | 0 | 78 | 0 | 9 | 28 | | 0 | 37 | 0 | 142 |
| 1:15PM | 1 | 1 | 8 | 0 | 10 | 0 | 19 | 1 | 11 | | 31 | 0 | 4 | 49 | 23 | 0 | 76 | 0 | 2 | 33 | | 0 | 35 | 0 | 152 |
| 1:30PM | 0 | 0 | 2 | | 2 | | 14 | 1 | | 0 | 17 | 0 | 4 | 44 | 19 | 0 | 67 | 0 | 2 | 27 | | 0 | 29 | 0 | 115 |
| 1:45PM | _ | 0 | 4 | 0 | 4 | | 14 | 0 | 3 | 0 | 17 | 0 | 8 | 44 | 12 | 0 | 64 | 0 | 4 | 44 | | 0 | 49 | 0 | 134 |
| Hourly Total | 3 | 1 | 18 | 0 | 22 | | 66 | 2 | 18 | 0 | 86 | 0 | 21 | 185 | 79 | 0 | 285 | 0 | 17 | 132 | | | 150 | 0 | 543 |
| 2:00PM | 0 | 1 | 13 | 0 | 14 | 0 | 16 | 1 | 5 | 0 | 22 | 0 | 19 | 46 | 16 | 0 | 81 | 0 | 2 | 44 | | 0 | 51 | 0 | 168 |
| 2:15PM | 22 | 11 | 47 | 0 | 80 | 0 | 6 | 2 | 2 | 0 | 10 | 0 | 9 | 40 | 13 | 1 | 63 | 0 | 24 | 113 | | | 142 | 0 | 29 5 |
| 2:30PM | 12 | 6 | 45 | 0 | 63 | 0 | 18 | 1 | 7 | 0 | 26 | 0 | 11 | 49 | 13 | 0 | 73 | 0 | 10 | 67 | | 0 | 78 | 0 | 240 |
| 2:45PM | 0 | 0 | 7 | | 7 | 0 | 19 | 0 | 3 | | 22 | 0 | 2 | 49 | 15 | 1 | 67 | 0 | 4 | 34 | | 0 | 38 | 0 | 134 |
| Hourly Total | 34 | 18 | 112 | 0 | 164 | 0 | 59 | 4 | 17 | 0 | 80 | 0 | 41 | 184 | 57 | 2 | 284 | 0 | 40 | 258 | 11 | 0 : | 309 | 0 | 837 |
| 3:00PM | 2 | 3 | 10 | 0 | 15 | 0 | 18 | 0 | 2 | 0 | 20 | 0 | 1 | 49 | 23 | 1 | 74 | 0 | 8 | 40 | 0 | 0 | 48 | 0 | 157 |
| 3:15PM | 1 | 2 | 14 | 0 | 17 | 0 | 24 | 1 | 2 | 0 | 27 | 0 | 0 | 57 | 27 | 0 | 84 | 0 | 11 | 34 | 0 | 0 | 45 | 0 | 173 |
| 3:30PM | 2 | 3 | 11 | 0 | 16 | 0 | 24 | 0 | 2 | 0 | 26 | 0 | 2 | 65 | 31 | 0 | 98 | 0 | 16 | 39 | 0 | 0 | 55 | 0 | 195 |
| 3:45PM | 0 | 1 | 8 | 0 | 9 | 0 | 21 | 0 | 19 | 0 | 40 | 0 | 0 | 56 | 32 | 1 | 89 | 0 | 10 | 32 | 0 | 0 | 42 | 0 | 180 |
| Hourly Total | 5 | 9 | 43 | 0 | 57 | 0 | 87 | 1 | 25 | 0 | 113 | 0 | 3 | 227 | 113 | 2 | 345 | 0 | 45 | 145 | 0 | 0 | 190 | 0 | 705 |

| 1 .0 | DACC Eastbou | | | | | | Peachb Westbo | | ad | | | | Glenn I Northb | | y | | | | Glenn I Southb | | y | | | | |
|-----------------------------|-----------------|-------|-------|------|-------|------|------------------|---------|-------|------|-------|------|-------------------|-------|-------|--------|-------|------|-------------------|-------|---------|------|-------|------|-------|
| Time | L | T | R | U | App | Ped* | L | T | R | U | App | Ped* | L | Т | R | U | App | Ped* | L | Т | R | U | App | Ped* | Int |
| 4:00PM | 0 | 1 | 11 | | 12 | 0 | 52 | 0 | 16 | 0 | 68 | | 1 | 69 | 25 | 0 | 95 | 0 | 3 | 41 | 0 | 0 | 44 | 0 | 219 |
| 4:15PM | 0 | 0 | | 0 | 4 | 1 | 21 | 0 | 4 | 0 | 25 | 0 | 3 | 81 | 26 | 0 | 110 | 0 | 8 | 47 | 0 | 0 | 55 | 0 | 194 |
| 4:30PM | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 1 | 1 | 0 | 36 | 0 | 0 | 54 | 24 | 0 | 78 | 0 | 5 | 42 | 0 | 0 | 47 | 0 | 161 |
| 4:45PM | 0 | 0 | 1 | 0 | 1 | 0 | 25 | 0 | 5 | 0 | 30 | 0 | 6 | 69 | 30 | 0 | 105 | 0 | 6 | 52 | 1 | 0 | 59 | 0 | 195 |
| Hourly Total | 0 | 1 | 16 | 0 | 17 | 1 | 132 | 1 | 26 | 0 | 159 | 0 | 10 | 273 | 105 | 0 | 388 | 0 | 22 | 182 | 1 | 0 | 205 | 0 | 769 |
| 5:00PM | 2 | 5 | 13 | 0 | 20 | 0 | 42 | 0 | 4 | 0 | 46 | 0 | 12 | 64 | 30 | 0 | 106 | 0 | 5 | 61 | 0 | 0 | 66 | 0 | 238 |
| 5:15PM | 1 | 1 | 2 | 0 | 4 | 1 | 37 | 0 | 4 | 0 | 41 | 0 | 17 | 85 | 24 | 0 | 126 | 0 | 6 | 59 | 1 | 0 | 66 | 1 | 237 |
| 5:30PM | 0 | 1 | 1 | 0 | 2 | 0 | 32 | 1 | 3 | 0 | 36 | 0 | 12 | 83 | 29 | 0 | 124 | 0 | 4 | 49 | 1 | 0 | 54 | 0 | 216 |
| 5:45PM | 0 | 0 | 1 | 0 | 1 | 1 | 26 | 1 | 8 | 0 | 35 | 0 | 11 | 72 | 21 | 0 | 104 | 0 | 4 | 45 | 1 | 0 | 50 | 0 | 190 |
| Hourly Total | 3 | 7 | 17 | 0 | 27 | 2 | 137 | 2 | 19 | 0 | 158 | 0 | 52 | 304 | 104 | 0 | 460 | 0 | 19 | 214 | 3 | 0 | 236 | 1 | 881 |
| 6:00PM | 0 | 0 | 0 | 0 | 0 | 2 | 17 | 0 | 4 | 0 | 21 | 0 | 0 | 66 | 22 | 0 | 88 | 0 | 3 | 53 | 0 | 0 | 56 | 0 | 165 |
| 6:15PM | 0 | 0 | 1 | 0 | 1 | 0 | 16 | 0 | 2 | 0 | 18 | 0 | 2 | 50 | 20 | 0 | 72 | 0 | 2 | 42 | 0 | 0 | 44 | 0 | 135 |
| 6:30PM | 1 | 0 | 1 | 0 | 2 | 1 | 12 | 0 | 4 | 0 | 16 | 0 | 0 | 52 | 25 | 0 | 77 | 0 | 2 | 40 | 0 | 0 | 42 | 0 | 137 |
| 6:45PM | 0 | 1 | 0 | 0 | 1 | 0 | 13 | 0 | 1 | 0 | 14 | 0 | 0 | 47 | 12 | 0 | 59 | 0 | 3 | 35 | 0 | 0 | 38 | 0 | 112 |
| Hourly Total | 1 | 1 | 2 | 0 | 4 | 3 | 58 | 0 | 11 | 0 | 69 | 0 | 2 | 215 | 79 | 0 | 296 | 0 | 10 | 170 | 0 | 0 | 180 | 0 | 549 |
| Total | 78 | 61 | 404 | 0 | 543 | 6 | 1085 | 68 | 216 | 0 | 1369 | 0 | 527 | 2346 | 1022 | 6 | 3901 | 1 | 293 | 2384 | 109 | 0 | 2786 | 2 | 8599 |
| % Approach | 14.4% | 11.2% | 74.4% | 0% | - | - | 79.3% | 5.0% | 15.8% | 0% | - | - | 13.5% | 60.1% | 26.2% | 0.2% | - | - | 10.5% | 85.6% | 3.9% (| 0% | - | - | - |
| % Total | 0.9% | 0.7% | 4.7% | 0% | 6.3% | - | 12.6% | 0.8% | 2.5% | 0% | 15.9% | - | 6.1% | 27.3% | 11.9% | 0.1% | 45.4% | - | 3.4% | 27.7% | 1.3% (| 0% 3 | 32.4% | - | - |
| Lights and Motorcycles | 74 | 57 | 386 | 0 | 517 | - | 1034 | 65 | 201 | 0 | 1300 | _ | 512 | 2251 | 953 | 6 | 3722 | _ | 270 | 2294 | 100 | 0 | 2664 | - | 8203 |
| % Lights and Motorcycles | 94.9% | 93.4% | 95.5% | 0% ! | 95.2% | - | 95.3% | 95.6% ! | 93.1% | 0% ! | 95.0% | - | 97.2% | 96.0% | 93.2% | 100% ! | 95.4% | - | 92.2% | 96.2% | 91.7% (| 0% 9 | 95.6% | - ! | 95.4% |
| Heavy | 4 | 4 | 18 | 0 | 26 | - | 51 | 3 | 15 | 0 | 69 | - | 15 | 95 | 69 | 0 | 179 | - | 23 | 90 | 9 | 0 | 122 | - | 396 |
| % Heavy | 5.1% | 6.6% | 4.5% | 0% | 4.8% | - | 4.7% | 4.4% | 6.9% | 0% | 5.0% | - | 2.8% | 4.0% | 6.8% | 0% | 4.6% | - | 7.8% | 3.8% | 8.3% (| 0% | 4.4% | - | 4.6% |
| Pedestrians | - | - | - | - | - | 6 | - | - | - | - | - | 0 | - | - | - | - | - | 1 | - | - | - | - | - | 2 | |
| % Pedestrians | - | - | - | - | - | 100% | - | - | - | - | - | - | - | - | - | - | - | 100% | - | - | - | - | - | 100% | - |

^{*}Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Wed Sep 27, 2023

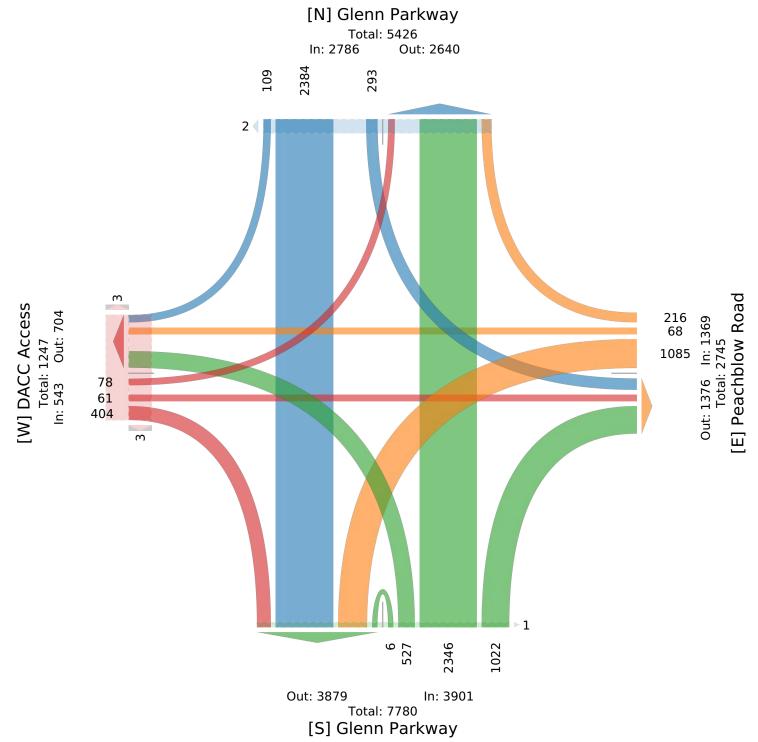
Full Length (5 AM-7 PM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112796, Location: 40.229729, -83.03637





Wed Sep 27, 2023

AM Peak (7:15 AM - 8:15 AM) - Overall Peak Hour

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112796, Location: 40.229729, -83.03637



| Leg | DACC | Acces | s | | | | Peachb | low Ro | ad | | | | Glenn P | arkway | 7 | | | | Glenn l | Parkwa | y | | | \Box | |
|-----------------------------|--------|-------|-------|------|-------|-----|--------|--------|-------|------|-------|-----|---------|---------|-------|------|-------|-----|---------|--------|-------|-------------|--------------|--------|-------|
| Direction | Eastbo | und | | | | | Westbo | und | | | | | Northbo | ound | | | | | Southb | ound | | | | | |
| Time | L | T | R | U | App P | ed* | L | T | R | U | App P | ed* | L | T | R | U | App P | ed* | L | T | R | U | App P | ed* | Int |
| 2023-09-27 7:15AM | 0 | 1 | 7 | 0 | 8 | 0 | 24 | 6 | 7 | 0 | 37 | 0 | 69 | 38 | 21 | 0 | 128 | 0 | 2 | 47 | 7 | 0 | 56 | 0 | 229 |
| 7:30AM | 0 | 1 | 34 | 0 | 35 | 0 | 18 | 12 | 11 | 0 | 41 | 0 | 104 | 34 | 26 | 0 | 164 | 0 | 6 | 39 | 23 | 0 | 68 | 0 | 308 |
| 7:45AM | 1 | 3 | 29 | 0 | 33 | 0 | 19 | 6 | 6 | 0 | 31 | 0 | 35 | 40 | 34 | 0 | 109 | 0 | 10 | 51 | 13 | 0 | 74 | 0 | 247 |
| 8:00AM | 2 | 0 | 4 | 0 | 6 | 0 | 27 | 1 | 3 | 0 | 31 | 0 | 4 | 33 | 25 | 0 | 62 | 0 | 14 | 66 | 2 | 0 | 82 | 0 | 181 |
| Total | 3 | 5 | 74 | 0 | 82 | 0 | 88 | 25 | 27 | 0 | 140 | 0 | 212 | 145 | 106 | 0 | 463 | 0 | 32 | 203 | 45 | 0 | 280 | 0 | 965 |
| % Approach | 3.7% | 6.1% | 90.2% | 0% | - | - | 62.9% | 17.9% | 19.3% | 0% | - | - | 45.8% 3 | 31.3% | 22.9% | 0% | - | - | 11.4% | 72.5% | 16.1% | 0% | - | - | - |
| % Total | 0.3% | 0.5% | 7.7% | 0% | 8.5% | - | 9.1% | 2.6% | 2.8% | 0% 1 | 14.5% | - | 22.0% 1 | 15.0% | 11.0% | 0% 4 | 48.0% | - | 3.3% | 21.0% | 4.7% |)% 2 | 9.0% | - | - |
| PHF | 0.375 | 0.417 | 0.544 | - | 0.586 | - | 0.815 | 0.521 | 0.614 | - | 0.854 | - | 0.510 | 0.906 | 0.779 | - | 0.706 | - | 0.571 | 0.769 | 0.489 | - (| 0.854 | - | 0.783 |
| Lights and Motorcycles | 3 | 4 | 72 | 0 | 79 | - | 84 | 25 | 24 | 0 | 133 | - | 211 | 130 | 103 | 0 | 444 | - | 31 | 186 | 43 | 0 | 260 | - | 916 |
| % Lights and Motorcycles | | 80.0% | 97.3% | 0% : | 96.3% | - | 95.5% | 100% | 88.9% | 0% 9 | 95.0% | - | 99.5% 8 | 39.7% 9 | 97.2% | 0% 9 | 95.9% | - | 96.9% | 91.6% | 95.6% | 0% 9 | 2.9% | - | 94.9% |
| Heavy | 0 | 1 | 2 | 0 | 3 | - | 4 | 0 | 3 | 0 | 7 | - | 1 | 15 | 3 | 0 | 19 | - | 1 | 17 | 2 | 0 | 20 | - | 49 |
| % Heavy | 0% | 20.0% | 2.7% | 0% | 3.7% | - | 4.5% | 0% | 11.1% | 0% | 5.0% | - | 0.5% 1 | 10.3% | 2.8% | 0% | 4.1% | - | 3.1% | 8.4% | 4.4% | 0% | 7.1% | \neg | 5.1% |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

^{*}Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Wed Sep 27, 2023

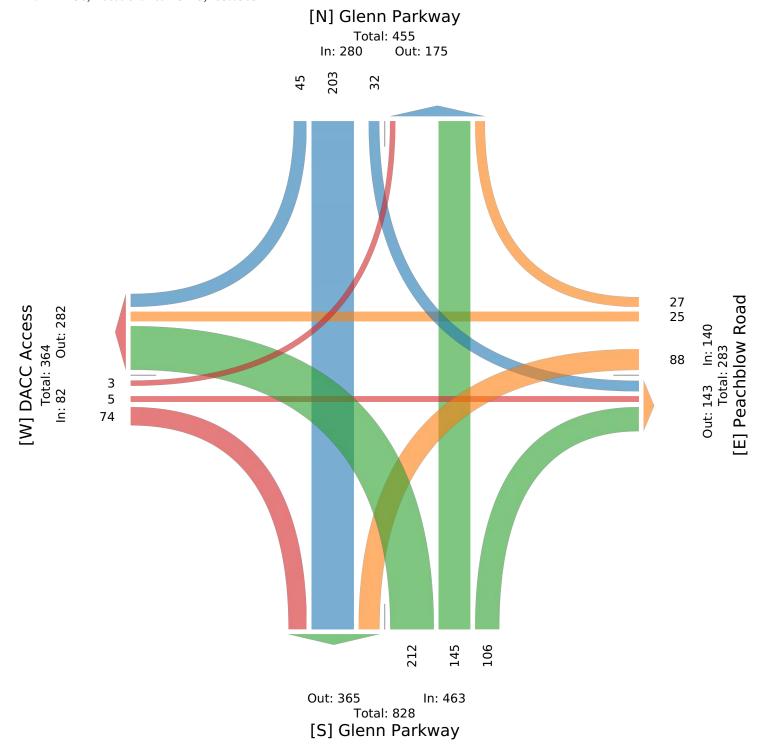
AM Peak (7:15 AM - 8:15 AM) - Overall Peak Hour

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112796, Location: 40.229729, -83.03637





Wed Sep 27, 2023 Midday Peak (11 AM - 12 PM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112796, Location: 40.229729, -83.03637



| Leg | DACC | Access | | | | | Peachb | ow Ro | ad | | | | Glenn I | Parkwa | y | | | | Glenn | Parkwa | ay | | | \Box | |
|-----------------------------|--------|--------|-------|-------------|-------|------|--------|-------|-------|-------------|-------|------|---------|--------|-------|-------------|--------|----|-------|--------|---------|-------------|--------------|--------|-------|
| Direction | Eastbo | und | | | | | Westbo | und | | | | | Northbo | ound | | | | | South | ound | | | | | |
| Time | L | T | R | U | App 1 | Ped* | L | T | R | U | App I | Ped* | L | T | R | U | App Pe | d* | L | T | R | U | App P | ed* | Int |
| 2023-09-27 11:00AM | 0 | 1 | 10 | 0 | 11 | 0 | 14 | 6 | 4 | 0 | 24 | 0 | 43 | 35 | 15 | 0 | 93 | 0 | 2 | 26 | 6 | 0 | 34 | 0 | 162 |
| 11:15AM | 3 | 0 | 8 | 0 | 11 | 0 | 17 | 5 | 3 | 0 | 25 | 0 | 23 | 36 | 12 | 0 | 71 | 0 | 2 | 43 | 10 | 0 | 55 | 0 | 162 |
| 11:30AM | 1 | 0 | 3 | 0 | 4 | 0 | 13 | 2 | 0 | 0 | 15 | 0 | 5 | 37 | 20 | 0 | 62 | 0 | 2 | 35 | 6 | 0 | 43 | 0 | 124 |
| 11:45AM | 5 | 3 | 5 | 0 | 13 | 0 | 29 | 0 | 1 | 0 | 30 | 0 | 3 | 47 | 21 | 0 | 71 | 0 | 7 | 49 | 0 | 0 | 56 | 0 | 170 |
| Total | 9 | 4 | 26 | 0 | 39 | 0 | 73 | 13 | 8 | 0 | 94 | 0 | 74 | 155 | 68 | 0 | 297 | 0 | 13 | 153 | 22 | 0 | 188 | 0 | 618 |
| % Approach | 23.1% | 10.3% | 66.7% | 0% | - | - | 77.7% | 13.8% | 8.5% | 0% | - | - | 24.9% | 52.2% | 22.9% | 0% | - | - | 6.9% | 81.4% | 11.7% (|)% | - | - | - |
| % Total | 1.5% | 0.6% | 4.2% | 0% | 6.3% | - | 11.8% | 2.1% | 1.3% | 0% 1 | 15.2% | - | 12.0% | 25.1% | 11.0% | 0% 4 | 18.1% | - | 2.1% | 24.8% | 3.6% (|)% 3 | 0.4% | - | - |
| PHF | 0.450 | 0.333 | 0.650 | - | 0.750 | - | 0.629 | 0.542 | 0.500 | - | 0.783 | - | 0.430 | 0.824 | 0.810 | - | 0.798 | - | 0.464 | 0.781 | 0.550 | - (| 0.839 | - | 0.909 |
| Lights and Motorcycles | | 3 | 21 | 0 | 32 | - | 70 | 11 | 7 | 0 | 88 | - | 73 | 139 | 61 | 0 | 273 | - | 13 | 138 | 20 | 0 | 171 | - | 564 |
| % Lights and Motorcycles | | 75.0% | 80.8% | 0% 8 | 32.1% | - | 95.9% | 34.6% | 87.5% | 0% 9 | 93.6% | - | 98.6% | 89.7% | 89.7% | 0% 9 | 01.9% | - | 100% | 90.2% | 90.9% (|)% 9 | 1.0% | - | 91.3% |
| Heavy | 1 | 1 | 5 | 0 | 7 | - | 3 | 2 | 1 | 0 | 6 | - | 1 | 16 | 7 | 0 | 24 | - | 0 | 15 | 2 | 0 | 17 | - | 54 |
| % Heavy | 11.1% | 25.0% | 19.2% | 0% 1 | 7.9% | - | 4.1% | 15.4% | 12.5% | 0% | 6.4% | - | 1.4% | 10.3% | 10.3% | 0% | 8.1% | - | 0% | 9.8% | 9.1% (|)% | 9.0% | - | 8.7% |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

^{*}Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Wed Sep 27, 2023

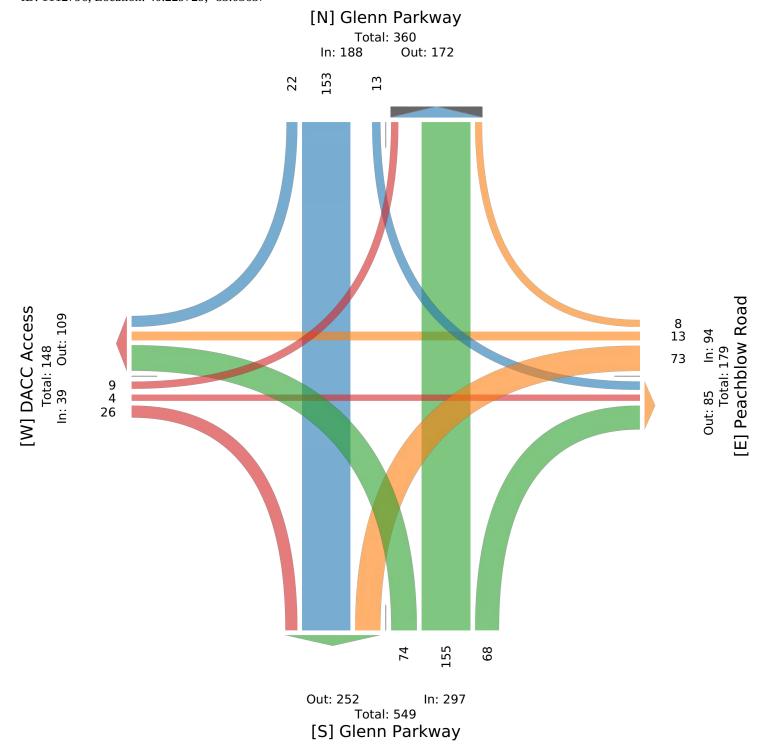
Midday Peak (11 AM - 12 PM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112796, Location: 40.229729, -83.03637





Wed Sep 27, 2023

PM Peak (4:45 PM - 5:45 PM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112796, Location: 40.229729, -83.03637



| Leg | DACC | Access | 3 | | | | Peachbl | ow Ro | ad | | | | Glenn F | Parkway | 7 | | | | Glenn l | Parkwa | y | | | | |
|-----------------------------|--------|--------|-------|-----|-------|------|---------|--------|---------|------|-------|------|---------|---------|-------|-------------|--------|----|---------|--------|-------|-------------|-------|------|-------|
| Direction | Eastbo | ınd | | | | | Westbo | und | | | | | Northbo | ound | | | | | Southb | ound | | | | | |
| Time | L | T | R | U | App | Ped* | L | T | R | U | App 1 | Ped* | L | T | R | U | App Pe | d* | L | T | R | U | App | Ped* | Int |
| 2023-09-27 4:45PM | 0 | 0 | 1 | 0 | 1 | 0 | 25 | 0 | 5 | 0 | 30 | 0 | 6 | 69 | 30 | 0 | 105 | 0 | 6 | 52 | 1 | 0 | 59 | 0 | 195 |
| 5:00PM | 2 | 5 | 13 | 0 | 20 | 0 | 42 | 0 | 4 | 0 | 46 | 0 | 12 | 64 | 30 | 0 | 106 | 0 | 5 | 61 | 0 | 0 | 66 | 0 | 238 |
| 5:15PM | 1 | 1 | 2 | 0 | 4 | 1 | 37 | 0 | 4 | 0 | 41 | 0 | 17 | 85 | 24 | 0 | 126 | 0 | 6 | 59 | 1 | 0 | 66 | 1 | 237 |
| 5:30PM | 0 | 1 | 1 | 0 | 2 | 0 | 32 | 1 | 3 | 0 | 36 | 0 | 12 | 83 | 29 | 0 | 124 | 0 | 4 | 49 | 1 | 0 | 54 | 0 | 216 |
| Total | 3 | 7 | 17 | 0 | 27 | 1 | 136 | 1 | 16 | 0 | 153 | 0 | 47 | 301 | 113 | 0 | 461 | 0 | 21 | 221 | 3 | 0 | 245 | 1 | 886 |
| % Approach | 11.1% | 25.9% | 63.0% | 0% | - | - | 88.9% | 0.7% | 10.5% |)% | - | - | 10.2% (| 65.3% | 24.5% | 0% | - | - | 8.6% | 90.2% | 1.2% | 0% | - | - | - |
| % Total | 0.3% | 0.8% | 1.9% | 0% | 3.0% | - | 15.3% | 0.1% | 1.8% |)% 1 | 17.3% | - | 5.3% | 34.0% | 12.8% | 0% 5 | 52.0% | - | 2.4% | 24.9% | 0.3% | 0% 2 | 27.7% | - | - |
| PHF | 0.375 | 0.350 | 0.327 | - (| 0.338 | - | 0.810 | 0.250 | 0.800 | - | 0.832 | - | 0.691 | 0.885 | 0.942 | - | 0.915 | - | 0.875 | 0.906 | 0.750 | - | 0.928 | - | 0.931 |
| Lights and Motorcycles | 3 | 7 | 17 | 0 | 27 | - | 135 | 1 | 14 | 0 | 150 | - | 47 | 299 | 109 | 0 | 455 | - | 19 | 216 | 3 | 0 | 238 | - | 870 |
| % Lights and Motorcycles | | 100% | 100% | 0% | 100% | - | 99.3% | 100% 8 | 37.5%(|)% 9 | 98.0% | - | 100% 9 | 99.3% 9 | 96.5% | 0% 9 | 98.7% | - | 90.5% | 97.7% | 100% | 0% 9 | 97.1% | - | 98.2% |
| Heavy | 0 | 0 | 0 | 0 | 0 | - | 1 | 0 | 2 | 0 | 3 | - | 0 | 2 | 4 | 0 | 6 | - | 2 | 5 | 0 | 0 | 7 | - | 16 |
| % Heavy | 0% | 0% | 0% | 0% | 0% | - | 0.7% | 0% | 12.5% (|)% | 2.0% | - | 0% | 0.7% | 3.5% | 0% | 1.3% | - | 9.5% | 2.3% | 0% | 0% | 2.9% | - | 1.8% |
| Pedestrians | - | - | - | - | - | 1 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 1 | |
| % Pedestrians | - | - | - | - | - | 100% | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - : | 100% | - |

^{*}Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Wed Sep 27, 2023

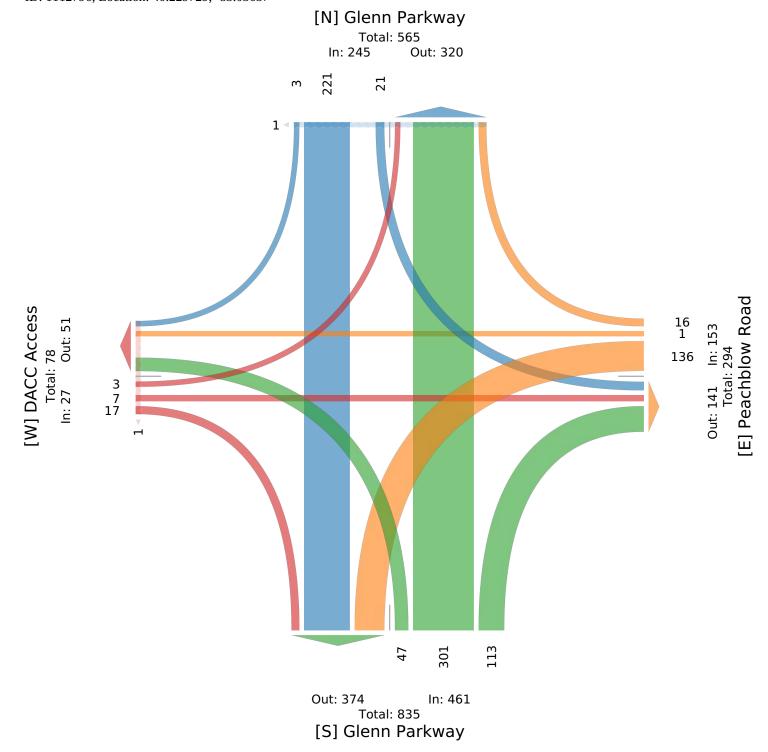
PM Peak (4:45 PM - 5:45 PM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112796, Location: 40.229729, -83.03637





Wed Sep 27, 2023

Full Length (6 AM-10 AM, 2 PM-7 PM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112802, Location: 40.228644, -83.038313



| ID: 111280 | 12, LOC | ation. | 40.2 | 200 | 44, -0 | 03.0 | 30313 | | | | | | | | | | | | | | | | | |
|------------------------|--|--------|--------|--------------|----------|------|-----------|---------------|----------|-------|------------|------|----------|-----------------|-----------|------|------------------------------|---------|-------------|----------|--------|----------------|------|-------------|
| Leg | Winter I | Road | | | | | Glenn P | arkway | 7 | | | | US 23 | | | | | US 23 | | | | | | |
| Direction | Eastbou | nd | | | | | Westbo | und | | | | | Northbo | und | | | | Southbo | ound | | | | | |
| Time | L | T | R | U | App I | Ped* | L | T | R | U | App 1 | Ped* | L | T | R | U | App Ped* | L | T | R | U | App | Ped* | Int |
| 2023-09-27 | | 0 | 0 | | 0 | 0 | 27 | 2 | | 0 | 20 | 0 | | 07 | C | 0 | 100 0 | _ | 100 | 0 | 0 | 100 | 0 | 224 |
| 6:00AM | 0 | 0 | 0 | | 0 | 0 | 27 | 2 | 1 | 0 | 30 | 0 | 0 | 97 | 6 | 0 | 103 0 | | 193 | 0 | 0 | 198 | 0 | 331 |
| 6:15AM | 0 | 0 | 0 | 0 | 0 | 0 | 42 | 1 | 3 | 0 | 46 | 0 | 0 | 98 | 16 | 0 | 114 0 | _ | 242 | 0 | 0 | 247 | 0 | 407 |
| 6:30AM | 0 | 0 | 0 | 0 | 0 | 0 | 52 | 3 | 5 7 | 0 | 60 | 0 | 1 | 131 | 24 | 0 | 156 0 | _ | 250 | 0 | 0 | 260 | 0 | 476 |
| 6:45AM | 0 | 2 | 1 | | 3 | 0 | 165 | 1 7 | | 0 | 52 | 0 | 3 | 136 | 35 | 0 | 174 0 547 0 | | 273 | 1 | 0 | 283 | 0 | 512 1726 |
| Hourly Total | | | 1 | | | 0 | 165 | 7 | 16 | 0 | 188 | 0 | | 462 | 81 | 0 | | _ | 958 | 1 | 0 | 988 | 0 | |
| 7:00AM | 0 | 8 | 0 | 0 | 10 | 0 | 65 | 4 | 4 | 0 | 73 | 0 | 5 | 128 | 44 | 0 | 173 0 226 0 | _ | 308 | 2 | 0 | 325 | 0 | 571 714 |
| 7:15AM 7:30AM | 0 | 11 | 3 | 0 | 10 15 | 0 | 58 64 | 6 4 | 11 19 | 0 | 75 87 | 0 | _ | 136 182 | 85 98 | 0 | 226 0 | | 362 349 | 3 | 0 | 403 | 0 | 796 |
| 7:45AM | 0 | 11 | 3 | 0 | 14 | 0 | 67 | 13 | 20 | 0 | 100 | 0 | 3 | 162 | 66 | 0 | 231 0 | _ | 350 | 3 | 1 | 382 | 0 | 727 |
| | 1 | 30 | 8 | 0 | | 0 | | 27 | | | | 0 | 15 | 608 | | 0 | 916 0 | | 1369 | 12 | | 1518 | 0 | |
| Hourly Total 8:00AM | 1 | 5 | 1 | | 39 7 | 0 | 254 72 | 4 | 54 | 0 | 335 90 | 0 | 3 | 170 | 293 | 0 | 222 0 | _ | | | 0 | | 0 | 2808 629 |
| 8:15AM | 0 | 0 | 1 | 0 | 1 | 0 | 95 | 10 | 14 | 0 | 117 | 0 | 6 | 138 | 49 62 | 0 | 206 0 | _ | 298 289 | 6 | 0 | 310 | 2 | 624 |
| | - | | | 0 | 5 | 0 | 75 | 5 | | | | | | | | | | _ | | | 0 | 317 | 0 | 649 |
| 8:30AM | 0 | 3 | 2 | | | | | | 4 | 0 | 84 | 0 | 4 | 177 | 62 | 0 | | | 306 | 4 | | | _ | |
| 8:45AM Hourly Total | 3 | 12 | 5 9 | 0 | 24 | 0 | 96 338 | 30 | 6 | 0 | 113 404 | 0 | 2 15 | 146 631 | 54 227 | 0 | 202 0 873 0 | | 265 1158 | 15 | 0 | 279 1206 | 2 | 2507 |
| | | | | | | 0 | | | 36 | 0 | | | 2 | 204 | | 0 | | _ | | | | | 0 | 2507 |
| 9:00AM 9:15AM | 0 | 3 | 5 | 0 | 9 | 0 | 65 50 | 3 | 15 | 1 | 84 69 | 0 | 4 | 182 | 56 47 | 0 | 262 0 | | 226 | 2 | 0 | 231 | 1 | |
| 9:15AM 9:30AM | 3 | 2 | 0 | 0 | 5 | 0 | 47 | <u>3</u> 5 | 15 9 | 0 | 61 | 0 | 2 | 164 | 31 | | 197 0 | | 209 | 4 | 0 | 215 | 0 | 526 504 |
| | 0 | | | | 2 | 0 | | | | | | 0 | _ | | | 0 | | _ | | | | | 2 | |
| 9:45AM | 4 | 7 | 6 | 0 | 17 | 0 | 45 207 | 12 | 10 | 0 | 55 269 | 0 | 3 11 | 196 746 | 174 | 0 | 239 0 931 0 | | 212 876 | 8 | 0 | 218 905 | 3 | 514 2122 |
| Hourly Total | | | | | | | | | 49 | 1 | | | | | 174 | | | _ | | | | | | |
| 2:00PM | 3 | 3 | 4 | 0 | 10 | 0 | 51 | 6 | 17 | 0 | 74 | 0 | 1 | 231 | 69 | 0 | 301 0 | _ | 181 | 0 | 0 | 190 | 0 | 575 |
| 2:15PM | 0 | 3 | 3 | | 6 | 0 | 93 | 12 | 46 | 0 | 151 | 0 | 1 | 242 | 53 | 2 | 298 0 | _ | 153 | 3 | 0 | 163 | 0 | 618 |
| 2:30PM | 2 | 5 | 7 | 0 | 14 | 0 | 89 | 19 | 44 | 0 | 152 | 0 | 2 | 259 | 62 | 0 | 323 0 | | 167 | 1 | 0 | 172 | 0 | 661 |
| 2:45PM | 0 | 4 | 3 | 0 | 7 | 0 | 51 | 2 | 9 | 0 | 62 | 0 | 3 | 253 | 58 | 1 | 315 0 | | 170 | 4 | 0 | 179 | 0 | 563 |
| Hourly Total | 5 | 15 | 17 | 0 | 37 | 0 | 284 | 39 | 116 | 0 | 439 | 0 | 7 | 985 | 242 | | 1237 0 | | 671 | 8 | 0 | 704 | 0 | 2417 |
| 3:00PM | 0 | 8 | 5 | 0 | 13 | 0 | 53 | 5 | 12 | 0 | 70 | 0 | 2 | 230 | 58 | 0 | 290 0 | _ | 187 | 1 | 0 | 195 | 0 | 568 |
| 3:15PM | 2 | 4 | 2 | 0 | 8 | 0 | 48 | 7 | 17 | 0 | 72 | 0 | 3 | 268 | 75 | 0 | 346 0 | _ | 231 | 2 | 0 | 240 | 0 | 666 |
| 3:30PM | 1 | 11 | 3 | 0 | 15 | 0 | 59 | 3 | 13 | 0 | 75 | 0 | 1 | 285 | 78 | 0 | 364 0 | _ | 243 | 3 | 0 | 254 | 0 | 708 |
| 3:45PM | 4 | 6 | 0 | 0 | 10 | 0 | 43 | 1 | 16 | 0 | 60 | 0 | 1 | 251 | 70 | 0 | 322 0 | | 247 | 2 | 0 | 259 | 0 | 651 |
| Hourly Total | 7 | 29 | 10 | 0 | 46 | 0 | 203 | 16 | 58 | 0 | 277 | 0 | 7 | 1034 | 281 | 0 | 1322 0 | _ | 908 | 8 | 0 | 948 | 0 | 2593 |
| 4:00PM | 3 | 4 | 3 | 0 | 10 | 0 | 66 | 6 | 25 | 0 | 97 | 0 | 3 | 294 | 84 | 0 | 381 0 | _ | 201 | 0 | 0 | 210 | 0 | 698 |
| 4:15PM | 2 | 7 | 4 | 0 | 13 | 0 | 60 | 4 | 9 | 0 | 73 | 0 | 1 | 319 | 88 | 0 | 408 0 | | 215 | 3 | 0 | 228 | 0 | 722 |
| 4:30PM | 7 | 4 | 4 | 0 | 15 | 0 | 50 | 3 | 15 | 0 | 68 | 0 | 1 | 311 | 69 | 0 | 381 0 | _ | 215 | 4 | 0 | 224 | 0 | 688 |
| 4:45PM | 1 | 8 | 2 | 0 | 11 | 0 | 70 | 5 | 6 | 0 | 81 | 0 | 1 | 305 | 89 | 0 | 395 0 | _ | 214 | 2 | 0 | 223 | 0 | 710 |
| Hourly Total | 13 | 23 | 13 | 0 | 49 | 0 | 246 | 18 | 55 | 0 | 319 | 0 | 6 | 1229 | 330 | 0 | 1565 0 | _ | 845 | 9 | 0 | 885 | 0 | 2818 |
| 5:00PM | | 6 | 3 | 0 | 11 | 0 | 80 | 8 | 19 | 0 | 107 | 0 | 3 | 309 | 89 | 0 | 401 0 | _ | 180 | 2 | 0 | 193 | 0 | 712 |
| 5:15PM | | 7 | 1 | | 10 | 0 | 75 | 3 | 21 | 0 | 99 | 0 | 2 | 282 | 106 | 0 | 390 0 | _ | 199 | 0 | 0 | 212 | 0 | 711 |
| 5:30PM | | 4 | | 0 | 12 | 0 | 65 | 3 | 16 | 0 | 84 | 0 | 0 | 285 | 105 | 0 | 390 0 | _ | 216 | 0 | 0 | 227 | 0 | 713 |
| 5:45PM | _ | 8 | | 0 | 12 | 0 | 63 | 4 | 6 | 0 | 73 | 0 | 1 | 266 | 95 | 0 | 362 0 | | 187 | 3 | 0 | 195 | 0 | 642 |
| Hourly Total | | 25 | 10 | | 45 | 0 | 283 | 18 | 62 | 0 | 363 | 0 | | 1142 | 395 | | 1543 0 | _ | 782 | 5 | 0 | 827 | 0 | 2778 |
| 6:00PM | | 0 | | 0 | 3 | 0 | 60 | 4 | 8 | 0 | 72 | 0 | 2 | 274 | 79 | 0 | 355 0 | | 167 | 0 | 0 | 174 | 0 | 604 |
| 6:15PM | | 1 | 0 | | 1 | 0 | 49 | 2 | 7 | 0 | 58 | 0 | 0 | 239 | 64 | 0 | 303 0 | | 172 | 0 | 0 | 178 | 0 | 540 |
| 6:30PM | | 1 | | 0 | 1 | 0 | 45 | 3 | 5 | 0 | 53 | 0 | 0 | 211 | 70 | 0 | 281 0 | _ | 165 | 1 | 0 | 174 | 0 | 509 |
| 6:45PM | | 2 | | 0 | 2 | 0 | 42 | 0 | 10 | 0 | 52 | 0 | 2 | 200 | 55 | 0 | 257 0 | | 138 | 1 | 0 | 141 | 0 | 452 |
| Hourly Total | | 4 | | 0 | 7 | 0 | 196 | 9 | 30 | 0 | 235 | 0 | | 924 | 268 | | 1196 0 | | 642 | 2 | 0 | 667 | 0 | 2105 |
| Total | | 147 | 75 | | 267 | 0 | 2176 | 176 | 476 | | 2829 | 0 | _ | 7761 | 2291 | | 10130 0 | _ | 8209 | 68 | | 8648 | 5 | 21874 |
| % Approach | - | | | | - | - | | 6.2% 1 | | 0% | - | - | 0.7% 7 | | | 0% | - | _ | | 0.8% | 0% | - | - | |
| % Total | | 0.7% | 0.3% | 0% | 1.2% | - | 9.9% | 0.8% | 2.2% | 0% | 12.9% | - | 0.3% 3 | 35.5% | 10.5% | 0% 4 | 46.3% | 1.7% | 37.5% | 0.3% | 0% 3 | 39.5% | - | |
| Lights and | 1 | | _ | _ | | | ļ ¯ | | | | | | _ | | - | | 0.45= | | | _ | | | I | n.c : |
| Motorcycles | - | 144 | 72 | 0 | 261 | - | 2104 | 173 | 464 | 1 | 2742 | - | 73 | 7152 | 2199 | 3 | 9427 | 356 | 7568 | 65 | 1 | 7990 | - | 20420 |
| % Lights and | 1 | 0 00/ | 06.00/ | 00/ 4 | 17 On/ | | 06 70/ 6 | 10 20/ (| 17 E0/ 1 | 1000/ | 06 00/ | | 07 20/ 0 |)))) (/ (| as no/ 1 | 000/ | 32 104 | 06 20/ | ດລ ລາ/ (| DE 60/ 1 | 000/ 5 |)) <i>4</i> 0/ | | 02 40/ |
| Motorcycles | | | | | | | 96.7% 9 | | | | | | 97.3% 9 | | | | | 96.2% | | | | | - | 93.4% |
| Heavy | _ | 3 | | 0 | 2 20/ | - | 72 | 3 | 12 | 0 | 87 | - | 2 70/ | 609 | 92 | 0 | 703 - | 14 | 641 | 3 | 00/ | 658 | - | 1454 |
| % Heavy | 1 | 2.0% | 4.0% | | 2.2% | - | 3.3% | 1.7% | 2.5% | υ% | 3.1% | - | 2.7% | 7.8% | 4.0% | υ% | 6.9% | _ | 7.8% | 4.4% | | 7.6% | - | 6.6% |
| Pedestrians | - | - | - | | - | 0 | - | - | - | - | - | 0 | - | - | - | | - 0 | + | - | - | - | - | 5 | |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | | - | - | - | - | - 1 | 100% | - |

 $^{*}\mbox{Pedestrians}$ and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Wed Sep 27, 2023

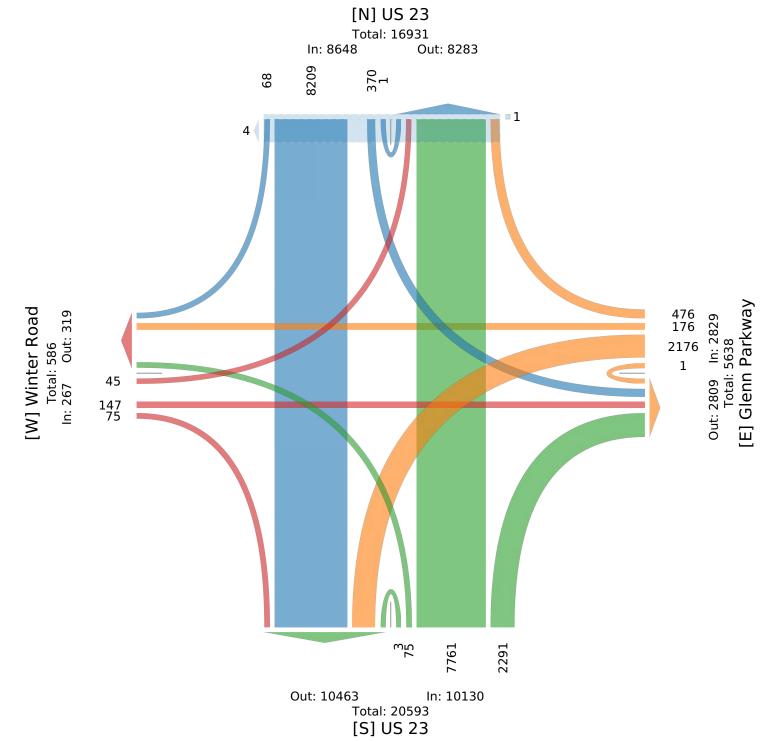
Full Length (6 AM-10 AM, 2 PM-7 PM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112802, Location: 40.228644, -83.038313





Wed Sep 27, 2023

AM Peak (7:15 AM - 8:15 AM) - Overall Peak Hour

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112802, Location: 40.228644, -83.038313



| Leg | Winter | Road | | | | | Glenn I | Parkwa | ıy | | | | US 23 | | | | | | US 23 | | | | | П | |
|-----------------------------|--------|-------|-------|----|-------|------|---------|--------|--------|------|-------|-----|--------|-------|---------|------|--------|----|---------|-------|-------|-------|-------|-----|-------|
| Direction | Eastbo | und | | | | | Westbo | und | | | | | Northb | ound | | | | | Southbo | ound | | | | | . |
| Time | L | T | R | U | App 1 | Ped* | L | T | R | U | App I | ed* | L | T | R | U | App Pe | d* | L | T | R | U | App P | ed* | Int |
| 2023-09-27 | 0 | 0 | 2 | 0 | 10 | 0 | F0 | | 11 | _ | 75 | 0 | _ | 126 | 0.5 | _ | 220 | 0 | 27 | 262 | 4 | 0 | 402 | | 71.4 |
| 7:15AM | 0 | 8 | 2 | | 10 | 0 | 58 | 6 | 11 | 0 | 75 | 0 | 5 | 136 | 85 | 0 | 226 | 0 | 37 | 362 | 4 | 0 | 403 | 0 | 714 |
| 7:30AM | 1 | 11 | 3 | _ | 15 | 0 | 64 | 4 | 19 | 0 | 87 | 0 | 6 | 182 | 98 | 0 | 286 | 0 | 56 | 349 | 3 | 0 | 408 | 0 | 796 |
| 7:45AM | 0 | 11 | 3 | 0 | 14 | 0 | 67 | 13 | 20 | 0 | 100 | 0 | 3 | 162 | 66 | 0 | 231 | 0 | 28 | 350 | 3 | 1 | 382 | 0 | 727 |
| 8:00AM | 1 | 5 | 1 | 0 | 7 | 0 | 72 | 4 | 14 | 0 | 90 | 0 | 3 | 170 | 49 | 0 | 222 | 0 | 11 | 298 | 1 | 0 | 310 | 0 | 629 |
| Total | 2 | 35 | 9 | 0 | 46 | 0 | 261 | 27 | 64 | 0 | 352 | 0 | 17 | 650 | 298 | 0 | 965 | 0 | 132 | 1359 | 11 | 1 | 1503 | 0 | 2866 |
| % Approach | 4.3% | 76.1% | 19.6% | 0% | - | - | 74.1% | 7.7% | 18.2%(| 0% | - | - | 1.8% | 67.4% | 30.9% (|)% | - | - | 8.8% | 90.4% | 0.7% | 0.1% | - | - | - |
| % Total | 0.1% | 1.2% | 0.3% | 0% | 1.6% | - | 9.1% | 0.9% | 2.2% | 0% 1 | 12.3% | - | 0.6% | 22.7% | 10.4% (|)% 3 | 3.7% | - | 4.6% | 47.4% | 0.4% | 0% | 52.4% | - | - |
| PHF | 0.500 | 0.795 | 0.750 | - | 0.767 | - | 0.906 | 0.519 | 0.800 | - | 0.880 | - | 0.708 | 0.893 | 0.760 | - (| 0.844 | - | 0.589 | 0.939 | 0.688 | 0.250 | 0.921 | - | 0.900 |
| Lights and Motorcycles | 2 | 35 | 8 | 0 | 45 | - | 247 | 27 | 64 | 0 | 338 | - | 17 | 573 | 280 | 0 | 870 | - | 127 | 1276 | 11 | 1 | 1415 | - | 2668 |
| % Lights and Motorcycles | 100% | 100% | 88.9% | 0% | 97.8% | - | 94.6% | 100% | 100% | 0% 9 | 96.0% | - | 100% | 88.2% | 94.0% (|)% 9 | 0.2% | - | 96.2% ! | 93.9% | 100% | 100% | 94.1% | - | 93.1% |
| Heavy | 0 | 0 | 1 | 0 | 1 | - | 14 | 0 | 0 | 0 | 14 | - | 0 | 77 | 18 | 0 | 95 | - | 5 | 83 | 0 | 0 | 88 | - | 198 |
| % Heavy | 0% | 0% | 11.1% | 0% | 2.2% | - | 5.4% | 0% | 0% (| 0% | 4.0% | - | 0% | 11.8% | 6.0% (|)% | 9.8% | - | 3.8% | 6.1% | 0% | 0% | 5.9% | - | 6.9% |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

^{*}Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Wed Sep 27, 2023

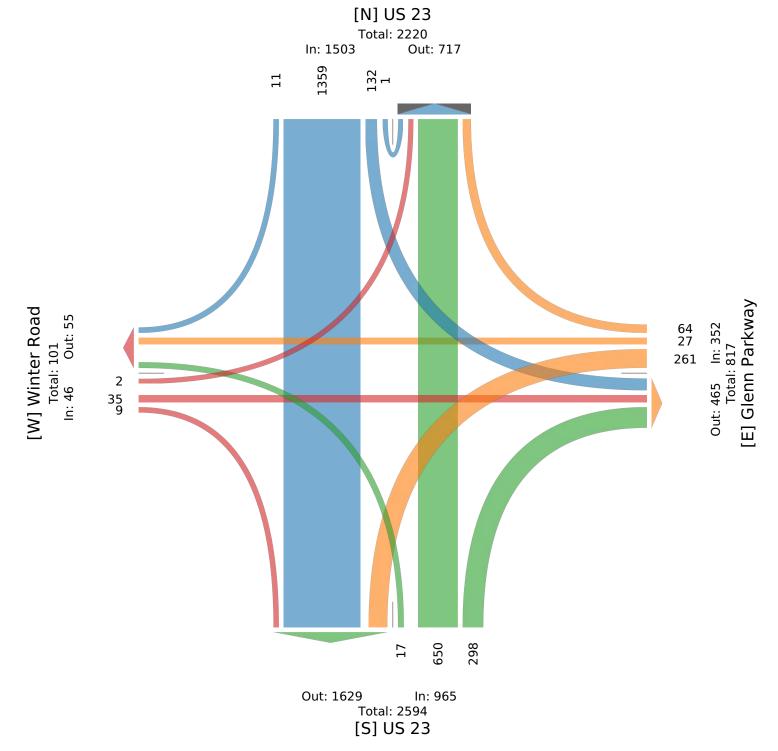
AM Peak (7:15 AM - 8:15 AM) - Overall Peak Hour

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112802, Location: 40.228644, -83.038313





Wed Sep 27, 2023

PM Peak (4:45 PM - 5:45 PM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112802, Location: 40.228644, -83.038313



| Leg | Winter | Road | | | | | Glenn l | Parkwa | ıy | | | | US 23 | | | | | | US 23 | | | | | | |
|-----------------------------|---------|---------|-------|-------------|-------|-----|---------|--------|-------|-------------|-------|-----|--------|-------|-------|------|---------------|----|--------|-------|-------|------|-------|-----|-------|
| Direction | Eastbou | ınd | | | | | Westbo | und | | | | | Northb | oound | | | | | Southb | ound | | | | | |
| Time | L | T | R | U | App F | ed* | L | T | R | U | App I | ed* | L | T | R | U | App Pe | d* | L | T | R | U | App P | ed* | Int |
| 2023-09-27 4:45PM | 1 | 8 | 2 | 0 | 11 | 0 | 70 | 5 | 6 | 0 | 81 | 0 | 1 | 305 | 89 | 0 | 395 | 0 | 7 | 214 | 2 | 0 | 223 | 0 | 710 |
| 5:00PM | 2 | 6 | 3 | 0 | 11 | 0 | 80 | 8 | 19 | 0 | 107 | 0 | 3 | 309 | 89 | 0 | 401 | 0 | 11 | 180 | 2 | 0 | 193 | 0 | 712 |
| 5:15PM | 2 | 7 | 1 | 0 | 10 | 0 | 75 | 3 | 21 | 0 | 99 | 0 | 2 | 282 | 106 | 0 | 390 | 0 | 13 | 199 | 0 | 0 | 212 | 0 | 711 |
| 5:30PM | 5 | 4 | 3 | 0 | 12 | 0 | 65 | 3 | 16 | 0 | 84 | 0 | 0 | 285 | 105 | 0 | 390 | 0 | 11 | 216 | 0 | 0 | 227 | 0 | 713 |
| Total | 10 | 25 | 9 | 0 | 44 | 0 | 290 | 19 | 62 | 0 | 371 | 0 | 6 | 1181 | 389 | 0 | 1576 | 0 | 42 | 809 | 4 | 0 | 855 | 0 | 2846 |
| % Approach | 22.7% | 56.8% 2 | 20.5% | 0% | - | - | 78.2% | 5.1% | 16.7% | 0% | - | - | 0.4% | 74.9% | 24.7% | 0% | - | - | 4.9% | 94.6% | 0.5% | 0% | - | - | - |
| % Total | 0.4% | 0.9% | 0.3% | 0% | 1.5% | - | 10.2% | 0.7% | 2.2% | 0% 1 | 13.0% | - | 0.2% | 41.5% | 13.7% | 0% ! | 55.4% | - | 1.5% | 28.4% | 0.1% | 0% | 30.0% | - | - |
| PHF | 0.500 | 0.781 | 0.750 | - | 0.917 | - | 0.906 | 0.594 | 0.738 | - | 0.867 | - | 0.500 | 0.956 | 0.917 | - | 0.983 | - | 0.808 | 0.936 | 0.500 | - | 0.942 | - | 0.998 |
| Lights and Motorcycles | 10 | 25 | 8 | 0 | 43 | - | 285 | 19 | 61 | 0 | 365 | - | 6 | 1128 | 382 | 0 | 1516 | - | 42 | 756 | 4 | 0 | 802 | - | 2726 |
| % Lights and Motorcycles | 100% | 100% 8 | 38.9% | 0% 9 | 7.7% | - | 98.3% | 100% | 98.4% | 0% 9 | 98.4% | - | 100% | 95.5% | 98.2% | 0% ! | 96.2% | - | 100% | 93.4% | 100% | 0% ! | 93.8% | - | 95.8% |
| Heavy | 0 | 0 | 1 | 0 | 1 | - | 5 | 0 | 1 | 0 | 6 | - | 0 | 53 | 7 | 0 | 60 | - | 0 | 53 | 0 | 0 | 53 | - | 120 |
| % Heavy | 0% | 0% 1 | 11.1% | 0% | 2.3% | - | 1.7% | 0% | 1.6% | 0% | 1.6% | - | 0% | 4.5% | 1.8% | 0% | 3.8% | - | 0% | 6.6% | 0% | 0% | 6.2% | - | 4.2% |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

^{*}Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Wed Sep 27, 2023

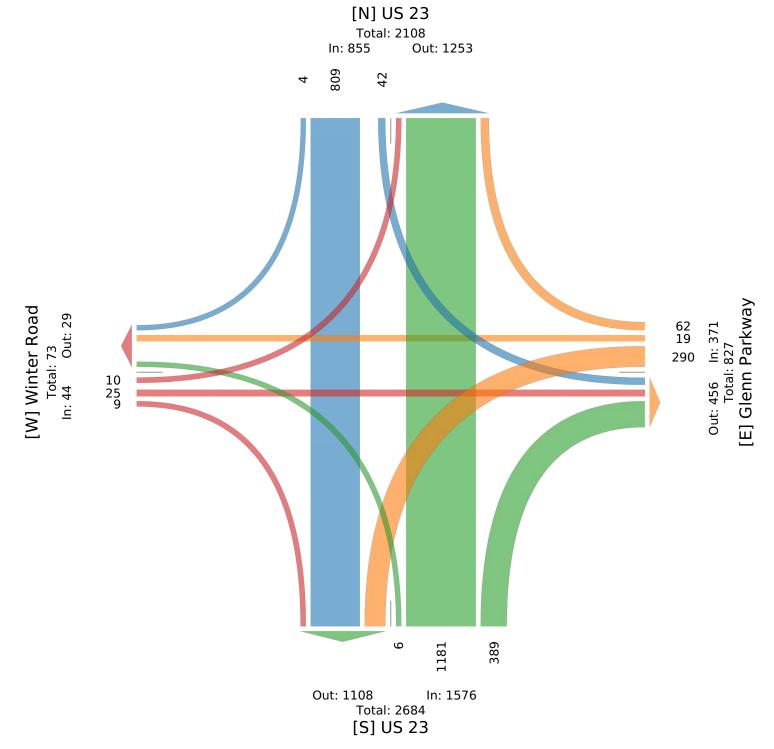
PM Peak (4:45 PM - 5:45 PM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112802, Location: 40.228644, -83.038313





Wed Sep 27, 2023

Full Length (6 AM-10 AM, 2 PM-7 PM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112805, Location: 40.221632, -83.035185



| Leg | Greif P | arkwa | 137 | | | Greif P | arkw | 7237 | | | | US 23 | | | | | US 23 | | | | | $\overline{}$ |
|--------------|---------|--------|----------|-------|-------------------------|---------|------|-------|-------|-------|------|---------|--------|---------|-----------------|-----------------|-------|--------|----------|-------|-------------------|---------------|
| Direction | Eastbou | | ıy | | | Westbo | | ay | | | | Northbo | ound | | | | South | | | | | |
| Time | L | T | R | U | App Ped* | L | | R | U | App I | Ped* | L | T | R | U | App Ped | _ | Т | R | U | App Ped* | Int |
| 2023-09-27 | | | | | 1-pp 1 cu | | | | | PP - | | | | | | 11PP 1 CG | 1 | | | | 11 PP 1 cu | |
| 6:00AM | 0 | 0 | 0 | 0 | 0 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 114 | 0 | 3 | 118 | 0 | 222 | 1 | 0 | 223 0 | 341 |
| 6:15AM | 0 | 0 | 0 | 0 | 0 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 111 | 0 | 6 | 123 | 0 | 309 | 1 | 0 | 310 0 | 433 |
| 6:30AM | 0 | 0 | 0 | 0 | 0 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 170 | 0 | 9 | 188 | 0 | 311 | 4 | 0 | 315 0 | 503 |
| 6:45AM | 0 | 0 | 0 | 0 | 0 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 178 | 0 | 9 | 198 | 0 | 326 | 7 | 0 | 333 0 | 531 |
| Hourly Total | 0 | 0 | 0 | 0 | 0 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 573 | 0 | 27 | 627 | 0 | 1168 | 13 | 0 | 1181 0 | 1808 |
| 7:00AM | 2 | 0 | 4 | 0 | 6 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 180 | 0 | 4 | 197 | + | 356 | 9 | 0 | 365 0 | + |
| 7:15AM | 4 | 0 | 5 | 0 | 9 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 221 | 0 | 18 | 255 (| + | 370 | 12 | 1 | 383 0 | - |
| 7:30AM | 5 | 0 | 8 | 0 | 13 0 | 0 | 0 | 0 | 1 | 1 | 0 | | 252 | 0 | 10 | 282 | + | 406 | 17 | 0 | 423 0 | + |
| 7:45AM | 0 | 0 | 5 | 0 | 5 0 | 0 | 0 | 0 | 0 | 0 | 0 | _ | 243 | 2 | 13 | 294 | + | 393 | 14 | 0 | 407 0 | + |
| Hourly Total | 11 | 0 | 22 | 0 | 33 0 | 0 | 0 | 0 | 1 | 1 | 0 | | 896 | 2 | 45 | 1028 | _ | 1525 | 52 | 1 | | - |
| 8:00AM | 2 | 0 | 4 | 0 | 6 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 219 | 1 | 12 | 255 | _ | 358 | 12 | 0 | 370 0 | _ |
| 8:15AM | 1 | 0 | 12 | 0 | 13 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 203 | 0 | 15 | 248 | + | 351 | 24 | 0 | 375 0 | + |
| | 0 | | | | 13 0 | 0 | 0 | | | | 0 | | 238 | 0 | 17 | | + | 342 | 30 | | 373 0 | |
| 8:30AM | _ | 0 | 14 | 0 | | 0 | | 0 | 0 | 0 | 0 | _ | | | | | _ | 342 | | 0 | 372 0 | - |
| 8:45AM | 8 | 0 | 28 58 | 0 | 36 0 69 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 204 | 0 | 53 | 272 (1067 (| | 1394 | 108 | | 1502 0 | |
| Hourly Total | 11 | | | 0 | | | | | | 0 | | | 864 | 1 | | | + | | | 0 | | - |
| 9:00AM | 8 | 0 | 20 | 0 | 28 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 269 | 0 | 8 | 302 (| + | 260 | 9 | 1 | 270 0 | + |
| 9:15AM | 1 | 0 | 12 | 0 | 13 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 232 | 0 | 6 | 257 (| + | 283 | 7 | 0 | 290 0 | + |
| 9:30AM | 5 | 0 | 9 | 0 | 14 0 | 0 | 0 | 0 | 0 | 0 | 0 | _ | 229 | 4 | 5 | 250 | + | 262 | 6 | 0 | 268 0 | - |
| 9:45AM | 3 | 0 | 18 | 0 | 21 0 | 0 | 0 | 1 | 0 | 1 | 0 | | 222 | 3 | 8 | 259 (| _ | 252 | 14 | 0 | 267 0 | |
| Hourly Total | 17 | 0 | 59 | 0 | 76 0 | | 0 | 1 | 0 | 1 | 0 | _ | 952 | 7 | 27 | |) 1 | 1057 | 36 | 1 | | - |
| 2:00PM | 11 | 0 | 19 | 0 | 30 0 | 0 | 0 | 2 | 0 | 2 | 0 | | 292 | 0 | 11 | 314 | _ | 218 | 3 | 0 | 221 0 | |
| 2:15PM | 4 | 0 | 6 | 0 | 10 0 | 2 | 0 | 3 | 0 | 5 | 0 | | 284 | 0 | 7 | 297 | + | 264 | 3 | 0 | 267 0 | - |
| 2:30PM | 13 | 0 | 13 | 0 | 26 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 339 | 0 | 6 | 355 | | 274 | 1 | 0 | 275 0 | |
| 2:45PM | 9 | 0 | 42 | 0 | 51 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 298 | 0 | 11 | 316 | 0 | 209 | 6 | 0 | 215 0 | 582 |
| Hourly Total | 37 | 0 | 80 | 0 | 117 0 | 2 | 0 | 5 | 0 | 7 | 0 | 34 | 1213 | 0 | 35 | 1282 | 0 | 965 | 13 | 0 | 978 0 | 2384 |
| 3:00PM | 3 | 0 | 15 | 0 | 18 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 294 | 0 | 5 | 301 | 0 | 247 | 4 | 0 | 251 0 | 570 |
| 3:15PM | 4 | 0 | 6 | 0 | 10 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 346 | 0 | 3 | 350 | 0 | 279 | 1 | 0 | 280 0 | 641 |
| 3:30PM | 3 | 0 | 10 | 0 | 13 0 | 2 | 0 | 0 | 0 | 2 | 0 | 7 | 368 | 1 | 9 | 385 | 0 | 282 | 6 | 0 | 288 0 | 688 |
| 3:45PM | 3 | 0 | 6 | 0 | 9 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 341 | 0 | 6 | 350 | 0 | 310 | 2 | 0 | 312 0 | 671 |
| Hourly Total | 13 | 0 | 37 | 0 | 50 0 | 2 | 0 | 0 | 1 | 3 | 0 | 13 | 1349 | 1 | 23 | 1386 | 0 | 1118 | 13 | 0 | 1131 0 | 2570 |
| 4:00PM | 12 | 0 | 19 | 0 | 31 0 | 0 | 0 | 3 | 0 | 3 | 0 | 4 | 382 | 0 | 5 | 391 (| 0 | 252 | 5 | 0 | 257 0 | 682 |
| 4:15PM | 12 | 0 | 12 | 0 | 24 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 392 | 0 | 6 | 410 | 0 | 275 | 5 | 0 | 280 0 | 714 |
| 4:30PM | 15 | 0 | 24 | 0 | 39 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 378 | 0 | 6 | 393 |) 1 | 282 | 2 | 1 | 286 0 | 718 |
| 4:45PM | 12 | 0 | 13 | 0 | 25 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 373 | 0 | 6 | 388 | 0 | 266 | 4 | 0 | 270 0 | 683 |
| Hourly Total | 51 | 0 | 68 | 0 | 119 0 | 0 | 0 | 3 | 0 | 3 | 0 | 34 | 1525 | 0 | 23 | 1582 |) 1 | 1075 | 16 | 1 | 1093 0 | 2797 |
| 5:00PM | 15 | 0 | 20 | 0 | 35 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 387 | 0 | 7 | 398 | 0 | 268 | 6 | 0 | 274 0 | 707 |
| 5:15PM | | 0 | 30 | 0 | 40 0 | | 0 | 0 | 0 | 0 | 0 | | 370 | 0 | 11 | 399 | _ | 267 | 5 | 0 | 272 0 | + |
| 5:30PM | | 0 | 7 | 0 | 15 0 | | 0 | 0 | 0 | 0 | 0 | | 403 | 0 | 12 | 422 | + | 263 | 4 | 0 | 267 0 | + |
| 5:45PM | | 0 | 11 | 0 | 16 0 | | 0 | 0 | 0 | 0 | 0 | _ | 360 | 0 | 6 | 382 | _ | 256 | 7 | 0 | 263 0 | |
| Hourly Total | | 0 | 68 | 0 | 106 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 1520 | 0 | 36 | 1601 | _ | 1054 | 22 | | 1076 0 | _ |
| 6:00PM | 9 | 0 | 4 | 1 | 14 0 | 0 | | 0 | 0 | 0 | 0 | _ | 344 | 0 | 4 | 359 | _ | 221 | 5 | 0 | 226 0 | _ |
| 6:15PM | 3 | 0 | 4 | 0 | 7 0 | | 0 | 0 | 0 | 0 | 0 | | 299 | 0 | 9 | 315 | _ | 225 | 4 | 0 | 229 0 | |
| 6:30PM | 6 | 0 | 9 | 0 | 15 0 | | 0 | 0 | 0 | | 0 | | 284 | 0 | 8 | 305 | + | 203 | 8 | 0 | 211 0 | - |
| 6:45PM | 4 | | 11 | 0 | 15 0 | | 0 | 0 | 0 | 1 | 0 | _ | 252 | 1 | 12 | 272 | + | 175 | 7 | 0 | 182 0 | + |
| Hourly Total | 22 | | 28 | 1 | 51 0 | | 0 | 0 | 0 | 1 | 0 | | 1179 | 1 | | | 0 | 824 | 24 | 0 | 848 0 | _ |
| | | | | | | | | | | | | | | | | | | | | | | _ |
| Total | | 0 | 420 | 1 | 621 0 | | 0 | 9 | 2 | | 0 | | 10071 | 12 | | 10892 | _ | 10180 | 297 | | | 22011 |
| % Approach | | | | | | 31.3% | | | | - | - | _ | 92.5% | | 2.8% | - | _ | 97.1% | 2.8% | 0% | | 1 |
| % Total | | 0% 1 | 1.9% | 0% | 2.8% - | 0% | 0% | 0% | 0% | 0.1% | - | 2.3% | 45.8% | 0.1% | 1.4% 4 | 19.5% | - 0% | 46.2% | 1.3% | 0% | 47.6% - | - |
| Lights and | | | 400 | _ | coo | _ | ^ | ^ | _ | 4.0 | | 400 | 024= | 40 | 200 | 10110 | _ | 0.450 | 202 | _ | 0750 | 20.40 |
| Motorcycles | | U | 409 | 1 | 609 - | 5 | 0 | 9 | 2 | 16 | - | 493 | 9315 | 12 | 296 | 10116 | - 2 | 9453 | 292 | 3 | 9750 - | - 20491 |
| % Lights and | | 00/ 05 | 7.407 | 1000/ | 00 10/ | 1000/ | 00/ | 1000/ | 1000/ | 1000/ | | 07 20/ | 02 50/ | 1000/ 4 | no no/ * |) | 1000/ | 02.00/ | 00 20/ · | 1000/ | U3 U6/ | 02.10/ |
| Motorcycles | | | | | | 100% | | | | | - | 97.2% | | | | | + | | 98.3% | | | 93.1% |
| Heavy | _ | 0 | 11 | 0 | 12 - | | 0 | 0 | 0 | | | 14 | 756 | 0 | 6 | 776 | - 0 | 727 | 5 | 0 | 732 - | 1520 |
| % Heavy | 0.5% | U% 2 | 2.6% | 0% | 1.9% - | 0% (| J% | 0% | 0% | 0% | - | 2.8% | 7.5% | 0% | 2.0% | 7.1% | - 0% | 7.1% | 1.7% | 0% | 7.0% | 6.9% |

| Leg | Greif | Pa | rkwa | y | | | Greif Pa | arkwa | y | | | US 23 | | | | | US 23 | | | | | |
|---------------|-------|----|------|---|---|-----------------|----------|-------|---|---|-----------------|---------|-----|---|---|-----------------|----------|-----|---|---|-----------------|-----|
| Direction | | | | | | | | und | | | | Northbo | und | | | | Southboo | und | | | | |
| Time | 1 | L | T | R | U | App Ped* | L | T | R | U | App Ped∗ | L | T | R | U | App Ped* | L | T | R | U | App Ped* | Int |
| Pedestrians | | - | - | - | - | - 0 | - | - | - | - | - 0 | - | - | - | - | - 0 | - | - | - | - | - 0 | |
| % Pedestrians | | - | - | - | - | | - | - | - | - | | - | - | - | - | | - | - | - | - | | - |

^{*}Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Wed Sep 27, 2023

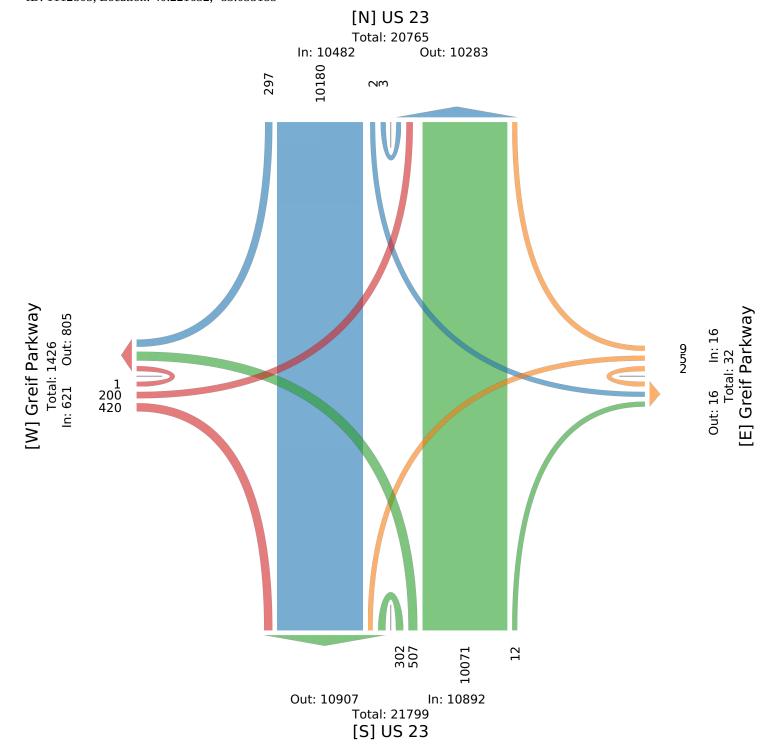
Full Length (6 AM-10 AM, 2 PM-7 PM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112805, Location: 40.221632, -83.035185





Wed Sep 27, 2023

AM Peak (7:15 AM - 8:15 AM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112805, Location: 40.221632, -83.035185



| Leg | Greif Pa | arkw | /ay | | | | Grei | f Pa | rkw | ay | | | US 23 | | | | | | US 2 | 23 | | | | | |
|-----------------------------|----------|------|-------|-------------|---------------|----|------|------|------|-------|-------|------|--------|-------|-------|-------|--------|-----|------|-------|-------|-------|-------|------|-------|
| Direction | Eastbou | ınd | | | | | Wes | tboı | ınd | | | | Northb | ound | | | | | Sout | hboun | d | | | | |
| Time | L | T | R | U | App Pe | d* | L | T | R | U | App I | Ped* | L | T | R | U | App Pe | ed* | L | T | R | U | App I | Ped* | Int |
| 2023-09-27 7:15AM | 4 | 0 | 5 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 221 | 0 | 18 | 255 | 0 | 0 | 370 | 12 | 1 | 383 | 0 | 647 |
| 7:30AM | 5 | 0 | 8 | 0 | 13 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 20 | 252 | 0 | 10 | 282 | 0 | 0 | 406 | 17 | 0 | 423 | 0 | 719 |
| 7:45AM | 0 | 0 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 36 | 243 | 2 | 13 | 294 | 0 | 0 | 393 | 14 | 0 | 407 | 0 | 706 |
| 8:00AM | 2 | 0 | 4 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 219 | 1 | 12 | 255 | 0 | 0 | 358 | 12 | 0 | 370 | 0 | 631 |
| Total | 11 | 0 | 22 | 0 | 33 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 95 | 935 | 3 | 53 | 1086 | 0 | 0 | 1527 | 55 | 1 | 1583 | 0 | 2703 |
| % Approach | 33.3% (|)% 6 | 66.7% | 0% | - | - | 0% (|)% | 0% 1 | 100% | - | - | 8.7% | 86.1% | 0.3% | 4.9% | - | - | 0% 9 | 96.5% | 3.5% | 0.1% | - | - | - |
| % Total | 0.4% (|)% | 0.8% | 0% | 1.2% | - | 0% (|)% | 0% | 0% | 0% | - | 3.5% | 34.6% | 0.1% | 2.0% | 40.2% | - | 0% : | 56.5% | 2.0% | 0% | 58.6% | - | - |
| PHF | 0.550 | - | 0.688 | - | 0.635 | - | - | - | - (|).250 | 0.250 | - | 0.660 | 0.928 | 0.375 | 0.736 | 0.923 | - | - | 0.940 | 0.809 | 0.250 | 0.936 | - | 0.940 |
| Lights and Motorcycles | | 0 | 18 | 0 | 29 | - | 0 | 0 | 0 | 1 | 1 | - | 90 | 842 | 3 | 52 | 987 | - | 0 | 1425 | 54 | 1 | 1480 | - | 2497 |
| % Lights and Motorcycles | |)% 8 | 31.8% | 0% 8 | 37.9% | - | 0% (|)% | 0% 1 | 100% | 100% | - | 94.7% | 90.1% | 100% | 98.1% | 90.9% | - | 0% 9 | 93.3% | 98.2% | 100% | 93.5% | - | 92.4% |
| Heavy | 0 | 0 | 4 | 0 | 4 | - | 0 | 0 | 0 | 0 | 0 | - | 5 | 93 | 0 | 1 | 99 | - | 0 | 102 | 1 | 0 | 103 | - | 206 |
| % Heavy | 0% (| 0% 1 | 18.2% | 0% 1 | 2.1% | - | 0% (|)% | 0% | 0% | 0% | - | 5.3% | 9.9% | 0% | 1.9% | 9.1% | - | 0% | 6.7% | 1.8% | 0% | 6.5% | - | 7.6% |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

^{*}Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Wed Sep 27, 2023

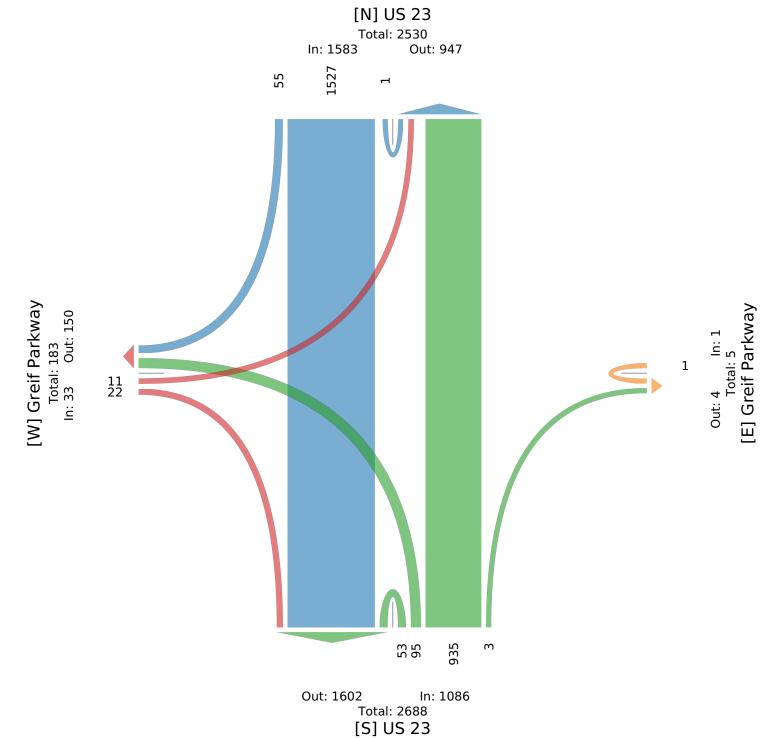
AM Peak (7:15 AM - 8:15 AM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112805, Location: 40.221632, -83.035185





Wed Sep 27, 2023

PM Peak (4:15 PM - 5:15 PM) - Overall Peak Hour

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112805, Location: 40.221632, -83.035185



| Leg | Greif P | arkv | vay | | | | Grei | f Pa | rkw | ay | | П | US 23 | | | | | | US 23 | | | | | | |
|--------------------------|---------|------|-------|------|-------|-----|------|------|------|-----|----------------|---|--------|---------|------|-------|-------|-----|--------|-------|-------|-------|-------|------|-------|
| Direction | Eastbou | ınd | | | | | Wes | tboı | ınd | | | | Northb | ound | | | | | Southb | ound | | | | | |
| Time | L | T | R | U | App P | ed* | L | T | R | U A | App Ped | * | L | T | R | U | App P | ed* | L | T | R | U | App 1 | Ped* | Int |
| 2023-09-27 4:15PM | 12 | 0 | 12 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 392 | 0 | 6 | 410 | 0 | 0 | 275 | 5 | 0 | 280 | 0 | 714 |
| 4:30PM | 15 | 0 | 24 | 0 | 39 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 378 | 0 | 6 | 393 | 0 | 1 | 282 | 2 | 1 | 286 | 0 | 718 |
| 4:45PM | 12 | 0 | 13 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 373 | 0 | 6 | 388 | 0 | 0 | 266 | 4 | 0 | 270 | 0 | 683 |
| 5:00PM | 15 | 0 | 20 | 0 | 35 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 387 | 0 | 7 | 398 | 0 | 0 | 268 | 6 | 0 | 274 | 0 | 707 |
| Total | 54 | 0 | 69 | 0 | 123 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 1530 | 0 | 25 | 1589 | 0 | 1 | 1091 | 17 | 1 | 1110 | 0 | 2822 |
| % Approach | 43.9% | 0% | 56.1% | 0% | _ | - | 0% | 0% | 0% (| 0% | - | - | 2.1% | 96.3% (| 0% | 1.6% | - | - | 0.1% | 98.3% | 1.5% | 0.1% | - | - | - |
| % Total | 1.9% | 0% | 2.4% | 0% | 4.4% | - | 0% | 0% | 0% (| 0% | 0% | - | 1.2% | 54.2% (| 0% (| 0.9% | 56.3% | - | 0% | 38.7% | 0.6% | 0% | 39.3% | - | - |
| PHF | 0.900 | - | 0.719 | - | 0.788 | - | - | - | - | - | - | - | 0.708 | 0.976 | - 0 | 0.893 | 0.969 | - | 0.250 | 0.967 | 0.708 | 0.250 | 0.970 | - | 0.983 |
| Lights and Motorcycles | 53 | 0 | 68 | 0 | 121 | - | 0 | 0 | 0 | 0 | 0 | - | 34 | 1469 | 0 | 25 | 1528 | - | 1 | 1030 | 16 | 1 | 1048 | - | 2697 |
| % Lights and Motorcycles | 98.1% | 0% | 98.6% | 0% 9 | 98.4% | - | 0% | 0% | 0% (| 0% | - | - | 100% | 96.0% | 0% 1 | 100% | 96.2% | - | 100% | 94.4% | 94.1% | 100% | 94.4% | - | 95.6% |
| Heavy | 1 | 0 | 1 | 0 | 2 | - | 0 | 0 | 0 | 0 | 0 | - | 0 | 61 | 0 | 0 | 61 | - | 0 | 61 | 1 | 0 | 62 | - | 125 |
| % Heavy | 1.9% | 0% | 1.4% | 0% | 1.6% | - | 0% | 0% | 0% (| 0% | - | - | 0% | 4.0% | 0% | 0% | 3.8% | - | 0% | 5.6% | 5.9% | 0% | 5.6% | - | 4.4% |
| Pedestrians | - | - | - | - | | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

^{*}Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Wed Sep 27, 2023

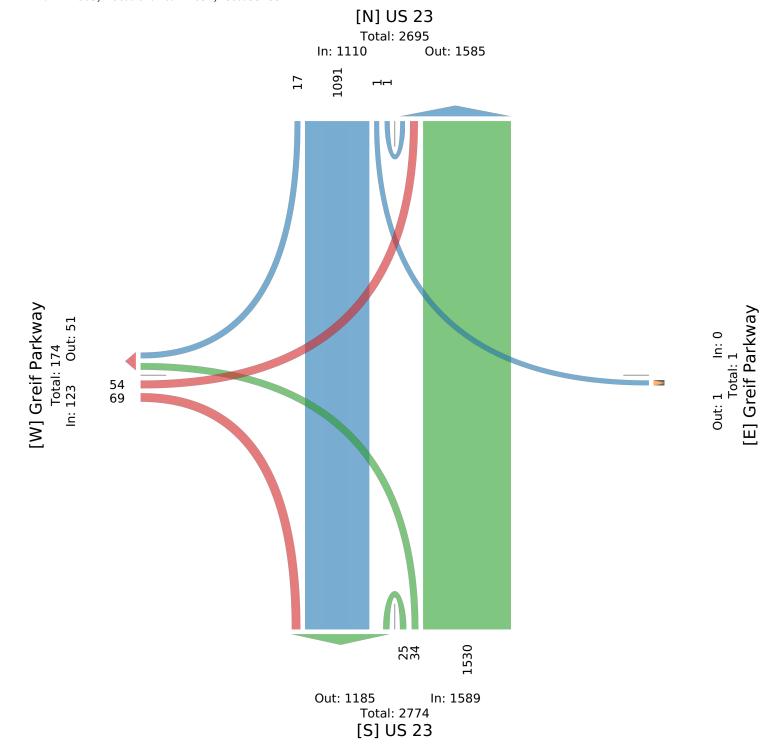
PM Peak (4:15 PM - 5:15 PM) - Overall Peak Hour

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112805, Location: 40.221632, -83.035185





US 23 & Hyatts Road/Shanahan Road (6-10 AM &... - TMC

Wed Sep 27, 2023

Full Length ()

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1113976, Location: 40.213607, -83.03285



| ID: 11139/ | | | | | 507, | 00.00 | | | | | | | | | | | | | | | | | | | |
|-----------------------------|----------|-------|----------|-------|------------------|-------|----------|------|-------|-------------|-------|------|----------|------------|----------|------|--------|------|----------|------------|---------|-------------|--------------|-----|--------------------|
| Leg | Hyatts 1 | | | | | | Shanaha | | 1 | | | | US 23 | , | | | | | US 23 | , | | | | | |
| Direction | Eastbou | | D. | * * | | D 14 | Westbo | | | T.7 | • • | 2 14 | Northbo | | | * * | A D | Tata | Southbo | | | * * | A D | 14 | . . |
| Time | L | Т | R | U | App | Ped* | L | Т | R | U | App I | Ped* | L | Т | R | U | App Pe | ď* | L | Т | R | U | App ₽ | ed* | Int |
| 2023-09-27 6:00AM | 1 | 3 | 14 | 0 | 19 | 0 | 6 | 2 | 1 | 0 | 9 | 0 | 0 | 107 | 3 | 0 | 110 | 0 | 0 | 218 | 1 | 0 | 219 | 0 | 357 |
| 6:15AM | 3 | 1 | 6 | 0 | 10 | 0 | 5 | 8 | 6 | 0 | 19 | 0 | 4 | 118 | 6 | 0 | 128 | 0 | 2 | 295 | 3 | 0 | 300 | 0 | 457 |
| 6:30AM | 2 | 7 | 12 | 0 | 21 | 0 | 6 | 4 | 5 | 0 | 15 | 0 | 1 | 173 | 10 | 0 | 184 | 0 | 2 | 335 | 6 | 0 | 343 | 0 | 563 |
| 6:45AM | 17 | 28 | 24 | 0 | 69 | 0 | 18 | 17 | 6 | 0 | 41 | 0 | 11 | 165 | 28 | 0 | 204 | 0 | 11 | 331 | 5 | 0 | 347 | 0 | 661 |
| Hourly Total | 24 | 39 | 56 | 0 | 119 | 0 | 35 | 31 | 18 | 0 | 84 | 0 | 16 | 563 | 47 | 0 | 626 | 0 | 15 | 1179 | 15 | 0 | 1209 | 0 | 2038 |
| 7:00AM | 7 | 47 | 32 | 0 | 86 | 0 | 16 | 17 | 3 | 0 | 36 | 0 | 10 | 181 | 43 | 0 | 234 | 0 | 14 | 329 | 6 | 0 | 349 | 0 | 705 |
| 7:15AM | 14 | 41 | 22 | 0 | 77 | 1 | 20 | 42 | 4 | 0 | 66 | 0 | 12 | 208 | 54 | 0 | 274 | 0 | 19 | 386 | 10 | 0 | 415 | 0 | 832 |
| 7:30AM | | 31 | 39 | 0 | 87 | 0 | 44 | 37 | 14 | 0 | 95 | 0 | 10 | 250 | 25 | 0 | 285 | 0 | 13 | 391 | 13 | 0 | 417 | 0 | 884 |
| 7:45AM | | 39 | 39 | 0 | 99 | 0 | 13 | 32 | 1 | 0 | 46 | 0 | 17 | 235 | 18 | 0 | 270 | 0 | 10 | 407 | 7 | 0 | 424 | 0 | 839 |
| Hourly Total | 59 | 158 | 132 | 0 | 349 | 1 | 93 | 128 | 22 | 0 | 243 | 0 | 49 | 874 | 140 | 0 | 1063 | 0 | 56 | 1513 | 36 | 0 | 1605 | 0 | 3260 |
| 8:00AM | 11 | 27 | 38 | 0 | 76 | 0 | 19 | 34 | 10 | 0 | 63 | 0 | 16 | 231 | 15 | 0 | 262 | 0 | 11 | 326 | 14 | 0 | 351 | 0 | 752 |
| 8:15AM | 9 | 12 | 23 | 0 | 44 | 0 | 12 | 20 | 11 | 0 | 43 | 0 | 13 | 225 | 7 | 0 | 245 | 0 | 19 | 400 | 3 | 0 | 422 | 0 | 754 |
| 8:30AM | 13 | 21 | 30 | 0 | 64 | 0 | | 15 | 15 | 0 | 41 | 0 | 14 | 206 | 7 | 0 | 227 | 0 | 8 | 345 | 6 | 0 | 359 | 0 | 691 |
| 8:45AM | 14 | 28 | 35 | 0 | 77 | 0 | 11 | 18 | 22 | 0 | 51 | 0 | 12 | 241 | 21 | 0 | 274 | 0 | 17 | 347 | 17 | 0 | 381 | 0 | 783 |
| Hourly Total | 47 | 88 | 126 | 0 | 261 | 0 | 53 | 87 | 58 | 0 | 198 | 0 | 55 | 903 | 50 | 0 | 1008 | 0 | 55 | 1418 | 40 | 0 | 1513 | 0 | 2980 |
| 9:00AM | 11 | 18 | 31 | | 60 | 0 | 17 | 39 | 17 | 0 | 73 | 0 | 14 | 238 | 8 | 0 | 260 | 0 | 7 | 252 | 10 | 0 | 269 | 0 | 662 |
| 9:15AM | 22 | 9 | 27 | 0 | 58 | 0 | 20 | 13 | 9 | 0 | 42 | 0 | 15 | 246 | 15 | 0 | 276 | 0 | 6 | 263 | 11 | 0 | 280 | 0 | 656 |
| 9:30AM | | 11 | 25 | 0 | 45 | 0 | | 9 | 2 | 0 | 22 | 0 | 16 | 208 | 11 | 0 | 235 | 0 | 6 | 261 | 9 | 0 | 276 | 0 | 578 |
| 9:45AM | | 10 | 18 | 0 | 39 | 0 | 8 | 12 | 11 | 0 | 31 | 0 | 16 | 236 | 14 | 0 | 266 | 0 | 4 | 261 | 6 | 0 | 271 | 0 | 607 |
| Hourly Total | 53 | 48 | 101 | 0 | 202 | 0 | 56 | 73 | 39 | 0 | 168 | 0 | 61 | 928 | 48 | 0 | 1037 | 0 | 23 | 1037 | 36 | 0 | 1096 | 0 | 2503 |
| 2:00PM | 10 | 16 | 31 | 0 | 57 | 0 | 17 | 19 | 7 | 0 | 43 | 0 | 27 | 279 | 19 | 0 | 325 | 0 | 4 | 208 | 9 | 0 | 221 | 0 | 646 |
| 2:15PM | | 20 | 22 | 0 | 51 | 0 | 11 | 13 | 7 | 0 | 31 | 0 | 18 | 278 | 26 | 0 | 322 | 0 | 6 | 230 | 11 | 0 | 247 | 0 | 651 |
| 2:30PM | 8 | 27 | 17 | 0 | 52 | 0 | 19 | 17 | 7 | 0 | 43 | 0 | 25 | 316 | 37 | 0 | 378 | 0 | 11 | 245 | 17 | 0 | 273 | 0 | 746 |
| 2:45PM | 11 | 23 | 21 | 0 | 55 | 0 | | 73 | 14 | 0 | 147 | 0 | 34 | 284 | 31 | 0 | 349 | 0 | 10 | 220 | 8 | 0 | 238 | 0 | 789 |
| Hourly Total | 38 | 86 | 91 | 0 | 215 | 0 | 107 | 122 | 35 | 0 | 264 | 0 | 104 | 1157 | 113 | 0 | 1374 | 0 | 31 | 903 | 45 | 0 | 979 | 0 | 2832 |
| 3:00PM | 13 | 13 | | 0 | 46 | 0 | 22 | 22 | 9 | 0 | 53 | 0 | 18 | 268 | | 0 | 319 | 0 | 7 | 230 | | 0 | 256 | 0 | 674 |
| 3:00PM | 15 | 25 | 20 27 | 0 | 67 | 0 | 11 | 13 | 9 | 0 | 33 | 0 | 20 | 326 | 33 22 | 0 | 368 | 0 | 12 | 272 | 19 | 0 | 292 | 0 | 760 |
| 3:30PM | | 33 | 16 | 0 | 71 | 0 | 19 | 22 | 20 | 0 | 61 | 0 | 31 | 348 | 29 | 0 | 408 | 0 | 13 | 262 | 13 | 0 | 288 | 0 | 828 |
| 3:30PM 3:45PM | 11 | 24 | 23 | 0 | 58 | 0 | 26 | 31 | 23 | 0 | 80 | 0 | 26 | 314 | 29 | 0 | 364 | 0 | 12 | 301 | 16 | 0 | 329 | 0 | 831 |
| | 61 | 95 | 86 | 0 | 242 | 0 | 78 | 88 | 61 | 0 | 227 | 0 | 95 | 1256 | 108 | 0 | 1459 | 0 | 44 | 1065 | 56 | 0 | 1165 | 0 | 3093 |
| Hourly Total 4:00PM | 21 | 32 | 22 | 0 | 75 | 0 | 25 | 30 | 20 | 0 | 75 | 0 | 34 | 377 | 19 | 0 | 430 | 0 | 8 | 245 | 16 | 0 | 269 | 0 | 849 |
| 4:15PM | 22 | 22 | 34 | 0 | 78 | 0 | 22 | 21 | 8 | 0 | 51 | 0 | 27 | 381 | 13 | 0 | 421 | 0 | 13 | 262 | 15 | 0 | 290 | 0 | 840 |
| 4:15PM 4:30PM | 18 | 38 | 22 | 0 | 78 | 0 | 19 | 17 | 17 | 0 | 53 | 0 | 40 | 374 | 22 | 0 | 436 | 0 | 11 | 262 | 17 | 0 | 290 | 0 | 858 |
| 4:45PM | | 43 | 29 | 0 | 92 | 0 | 19 | 23 | 15 | 0 | 57 | 0 | 40 | 352 | 23 | 0 | 415 | 0 | 11 | 265 | 7 | 0 | 283 | 0 | 847 |
| Hourly Total | | 135 | 107 | 0 | 323 | 0 | | 91 | 60 | 0 | 236 | 0 | | 1484 | 77 | 0 | 1702 | 0 | 43 | 1035 | 55 | 0 | 1133 | 0 | |
| 5:00PM | | 36 | 34 | | | 0 | | 30 | | 0 | 55 | 0 | | | 35 | 0 | 429 | 0 | | | | | 283 | 0 | 858 |
| 5:00PM 5:15PM | | 36 | 29 | 0 | 91 87 | 0 | 15 24 | 32 | 10 | 0 | 70 | 0 | 36 36 | 358 351 | 19 | 0 | 406 | 0 | 16 13 | 253 273 | 14 | 0 | 305 | 0 | 868 |
| 5:30PM | | 31 | 29 | | 77 | | 14 | 29 | 13 | 0 | 56 | 0 | 48 | 374 | 38 | 0 | 460 | 0 | 12 | 229 | 25 | 0 | 266 | 0 | 859 |
| 5:30PM 5:45PM | | 39 | 29 | | 94 | | 22 | 19 | 9 | 0 | 50 | 0 | 55 | 353 | 28 | 0 | 436 | 0 | 7 | 241 | 20 | 0 | 268 | 0 | 848 |
| Hourly Total | | 142 | 116 | | | 0 | | 110 | 46 | 0 | 231 | 0 | 175 | 1436 | 120 | 0 | 1731 | 0 | 48 | 996 | 78 | | 1122 | 0 | 3433 |
| 6:00PM | | 18 | 26 | | 64 | 0 | 9 | 9 | 11 | 0 | 29 | 0 | 43 | 320 | 14 | 0 | 377 | 0 | 6 | 212 | 13 | 0 | 231 | 0 | 701 |
| 6:00PM 6:15PM | | 25 | 35 | | | 0 | 15 | 16 | 13 | 0 | 44 | 0 | 34 | 288 | 15 | 0 | 337 | 0 | 6 | 235 | | 0 | 248 | 0 | 696 |
| 6:30PM | | 13 | 23 | | | 0 | 13 | 14 | 10 | 0 | 37 | 0 | 21 | 256 | 20 | 0 | 297 | 0 | 10 | 198 | 5 | 0 | 213 | 0 | 593 |
| 6:30PM 6:45PM | _ | 22 | 18 | | 48 | 0 | 10 | 12 | 10 | 0 | 32 | 0 | 29 | 240 | 18 | 0 | 287 | 0 | 3 | 185 | 10 | 0 | 198 | 0 | 565 |
| Hourly Total | | 78 | 102 | | | 0 | 47 | 51 | 44 | 0 | 142 | 0 | 127 | 1104 | 67 | 0 | | 0 | 25 | 830 | 35 | 0 | 890 | 0 | 2555 |
| | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total | | 869 | 917 | | 2285 | 1 | 629 | 781 | 383 | | 1793 | 0 | | 9705 | 770 | | 11298 | 0 | 340 | 9976 | 396 | | 10712 | 0 | 26088 |
| % Approach | | | | | - | - | 35.1% 4 | | | | - | | 7.3% 8 | | 6.8% | | - | - | | 93.1% | 3.7% (| | - | | - |
| | 1.9% | 3.3% | 3.5% | υ% | 8.8% | - | 2.4% | 3.0% | 1.5% | J% | 6.9% | | 3.2% 3 | 3/.2% | 3.0% | U% 4 | 43.3% | - | 1.3% | 38.2% | 1.5% (| J% 4 | 11.1% | | |
| Lights and Motorcycles | | 821 | ດດດ | 0 | 2184 | | 602 | 733 | 364 | 0 | 1699 | | 803 | 9001 | 720 | 0 | 10542 | | 333 | 9279 | 377 | 0 | 9979 | ļ | 24404 |
| | | 021 | 009 | U | ∠10 4 | | 002 | / 33 | JU4 | U | 1033 | _ | 003 | 2001 | /30 | U | 10342 | - | 323 | 92/9 | 3// | U | 33/ 3 | 4 | ∠ 44 04 |
| % Lights and Motorcycles | | 94.5% | 96.9% | 0% | 95.6% | _ | 95.7% 9 | 3.9% | 95.0% | 0% c | 94.8% | _ | 97.6% 9 | 92.7% | 95.8% | 0% (| 93,3% | | 95.0% | 93.0% | 95.2% (|)% c | 93.2% | | 93.5% |
| Heavy | - | 48 | 28 | | | | 27 | 48 | 19 | | 94 | _ | 20 | 704 | 32 | | 756 | ۲ | 17 | 697 | 19 | | 733 | _ | 1684 |
| % Heavy | | 5.5% | | | | | 4.3% | | | | | _ | | | 4.2% | | | _ | | | 4.8% (| | | _ | 6.5% |
| | 1 2.070 | 2.273 | ,0 | - , 5 | | | | | 2.3,3 | • | | | | ,5 | , , , | • | ,• | | 2.370 | , 3 | | | | | 1 |

| Leg | Hyatts Ro | ad | | | | Shanahar | n Road | | | | US 23 | | | | | US 23 | | | | | |
|---------------|-----------|----|---|---|-----------------|----------|--------|---|---|-----------------|---------|-----|---|---|-----------------|---------|-----|---|---|-----------------|-----|
| Direction | Eastbound | l | | | | Westbou | nd | | | | Northbo | und | | | | Southbo | und | | | | |
| Time | L | T | R | U | App Ped* | L | T | R | U | App Ped* | L | T | R | U | App Ped* | L | T | R | U | App Ped* | Int |
| | | | | | | | | | | | | | | | | | | | | | |
| Pedestrians | - | - | - | - | - 1 | - | - | - | - | - 0 | - | - | - | - | - 0 | - | - | - | - | - 0 | |
| % Pedestrians | - | - | - | - | - 100% | - | - | - | - | | - | - | - | - | | - | - | - | - | | - |

^{*}Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

US 23 & Hyatts Road/Shanahan Road (6-10 AM &... - TMC

Wed Sep 27, 2023

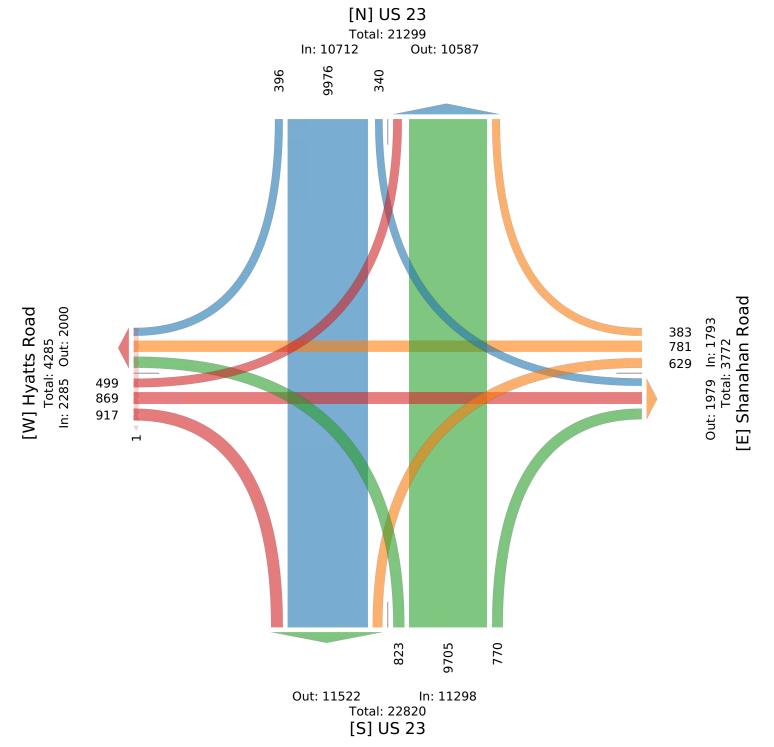
Full Length ()

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1113976, Location: 40.213607, -83.03285





Wed Sep 27, 2023

AM Peak (7:15 AM - 8:15 AM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1113976, Location: 40.213607, -83.03285



| Leg | Hyatts | Road | | | | | Shanah | an Roa | d | | | | US 23 | | | | | | US 23 | | | | | | |
|-----------------------------|--------|-------|-------|------|-------|------|--------|--------|-------|------|-------|-----|--------|-------|-------|------|-------|-----|--------|-------|-------|------|-------|-----|-------|
| Direction | Eastbo | und | | | | | Westbo | und | | | | | Northb | ound | | | | | Southb | ound | | | | | |
| Time | L | T | R | U | App | Ped* | L | T | R | U | App I | ed* | L | T | R | U | App I | ed* | L | T | R | U | App P | ed* | Int |
| 2023-09-27 7:15AM | 14 | 41 | 22 | 0 | 77 | 1 | 20 | 42 | 4 | 0 | 66 | 0 | 12 | 208 | 54 | 0 | 274 | 0 | 19 | 386 | 10 | 0 | 415 | 0 | 832 |
| 7:30AM | 17 | 31 | 39 | 0 | 87 | 0 | 44 | 37 | 14 | 0 | 95 | 0 | 10 | 250 | 25 | 0 | 285 | 0 | 13 | 391 | 13 | 0 | 417 | 0 | 884 |
| 7:45AM | 21 | 39 | 39 | 0 | 99 | 0 | 13 | 32 | 1 | 0 | 46 | 0 | 17 | 235 | 18 | 0 | 270 | 0 | 10 | 407 | 7 | 0 | 424 | 0 | 839 |
| 8:00AM | 11 | 27 | 38 | 0 | 76 | 0 | 19 | 34 | 10 | 0 | 63 | 0 | 16 | 231 | 15 | 0 | 262 | 0 | 11 | 326 | 14 | 0 | 351 | 0 | 752 |
| Total | 63 | 138 | 138 | 0 | 339 | 1 | 96 | 145 | 29 | 0 | 270 | 0 | 55 | 924 | 112 | 0 | 1091 | 0 | 53 | 1510 | 44 | 0 | 1607 | 0 | 3307 |
| % Approach | 18.6% | 40.7% | 40.7% | 0% | - | - | 35.6% | 53.7% | 10.7% | 0% | - | - | 5.0% | 84.7% | 10.3% | 0% | - | - | 3.3% | 94.0% | 2.7% | 0% | - | - | - |
| % Total | 1.9% | 4.2% | 4.2% | 0% : | 10.3% | - | 2.9% | 4.4% | 0.9% | 0% | 8.2% | - | 1.7% | 27.9% | 3.4% | 0%: | 33.0% | - | 1.6% | 45.7% | 1.3% | 0% 4 | 48.6% | - | - |
| PHF | 0.750 | 0.841 | 0.885 | - | 0.856 | - | 0.545 | 0.863 | 0.518 | - | 0.711 | - | 0.809 | 0.924 | 0.519 | - | 0.957 | - | 0.697 | 0.928 | 0.786 | - | 0.948 | - | 0.935 |
| Lights and Motorcycles | 57 | 133 | 135 | 0 | 325 | - | 90 | 135 | 26 | 0 | 251 | - | 48 | 830 | 102 | 0 | 980 | - | 50 | 1412 | 40 | 0 | 1502 | - | 3058 |
| % Lights and Motorcycles | 90.5% | 96.4% | 97.8% | 0% 9 | 95.9% | - | 93.8% | 93.1% | 89.7% | 0% 9 | 93.0% | - | 87.3% | 89.8% | 91.1% | 0% 8 | 89.8% | - | 94.3% | 93.5% | 90.9% | 0% 9 | 93.5% | - | 92.5% |
| Heavy | 6 | 5 | 3 | 0 | 14 | - | 6 | 10 | 3 | 0 | 19 | - | 7 | 94 | 10 | 0 | 111 | - | 3 | 98 | 4 | 0 | 105 | - | 249 |
| % Heavy | 9.5% | 3.6% | 2.2% | 0% | 4.1% | - | 6.3% | 6.9% | 10.3% | 0% | 7.0% | - | 12.7% | 10.2% | 8.9% | 0% | 10.2% | - | 5.7% | 6.5% | 9.1% | 0% | 6.5% | - | 7.5% |
| Pedestrians | - | - | - | - | - | 1 | - | - | - | - | | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | |
| % Pedestrians | - | - | - | - | - | 100% | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

^{*}Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Wed Sep 27, 2023

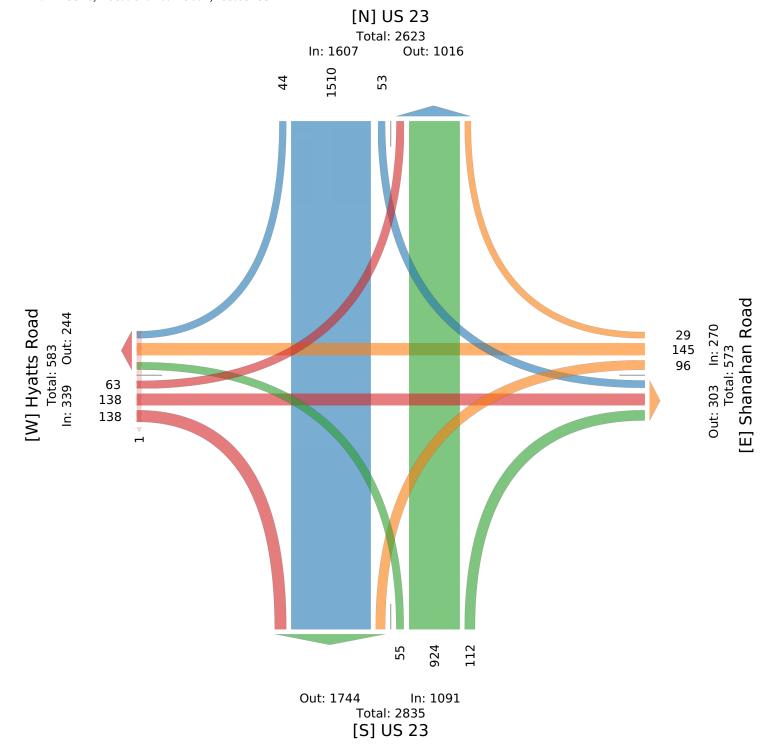
AM Peak (7:15 AM - 8:15 AM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1113976, Location: 40.213607, -83.03285





Wed Sep 27, 2023

PM Peak (5 PM - 6 PM) - Overall Peak Hour

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1113976, Location: 40.213607, -83.03285



| Leg | Hyatts | Road | | | | | Shanah | an Roa | d | | | | US 23 | | | | | US | 23 | | | | | \Box | |
|---------------------------|---------|-------|---------|-------------|-------|------|---------|--------|-------|------|-------|------|--------|-------|-------|------|----------------|--------|------|-------|-------|------|-------|--------|-------|
| Direction | Eastbou | ınd | | | | | Westbo | und | | | | | Northb | ound | | | | Sou | thbo | ound | | | | | |
| Time | L | T | R | U | App 1 | Ped* | L | T | R | U | App I | Ped* | L | T | R | U | App Ped | k | L | T | R | U | App I | ed* | Int |
| 2023-09-27 5:00PM | 21 | 36 | 34 | 0 | 91 | 0 | 15 | 30 | 10 | 0 | 55 | 0 | 36 | 358 | 35 | 0 | 429 |) | 16 | 253 | 14 | 0 | 283 | 0 | 858 |
| 5:15PM | 22 | 36 | 29 | 0 | 87 | 0 | 24 | 32 | 14 | 0 | 70 | 0 | 36 | 351 | 19 | 0 | 406 |) | 13 | 273 | 19 | 0 | 305 | 0 | 868 |
| 5:30PM | 22 | 31 | 24 | 0 | 77 | 0 | 14 | 29 | 13 | 0 | 56 | 0 | 48 | 374 | 38 | 0 | 460 |) | 12 | 229 | 25 | 0 | 266 | 0 | 859 |
| 5:45PM | 26 | 39 | 29 | 0 | 94 | 0 | 22 | 19 | 9 | 0 | 50 | 0 | 55 | 353 | 28 | 0 | 436 |) | 7 | 241 | 20 | 0 | 268 | 0 | 848 |
| Total | 91 | 142 | 116 | 0 | 349 | 0 | 75 | 110 | 46 | 0 | 231 | 0 | 175 | 1436 | 120 | 0 | 1731 |) | 48 | 996 | 78 | 0 | 1122 | 0 | 3433 |
| % Approach | 26.1% | 40.7% | 33.2% (| 0% | - | - | 32.5% | 47.6% | 19.9% | 0% | - | - | 10.1% | 83.0% | 6.9% | 0% | - | - 4.3 | 3% 8 | 88.8% | 7.0% | 0% | - | - | - |
| % Total | 2.7% | 4.1% | 3.4% | 0% 1 | 0.2% | - | 2.2% | 3.2% | 1.3% | 0% | 6.7% | - | 5.1% | 41.8% | 3.5% | 0% ! | 50.4% | - 1.4 | 1% 2 | 29.0% | 2.3% | 0% 3 | 32.7% | - | - |
| PHF | 0.875 | 0.910 | 0.853 | - | 0.928 | - | 0.781 | 0.859 | 0.821 | - | 0.825 | - | 0.795 | 0.960 | 0.789 | - | 0.941 | - 0.7 | 50 | 0.912 | 0.780 | - | 0.920 | - | 0.989 |
| Lights and Motorcycles | 91 | 141 | 115 | 0 | 347 | - | 73 | 109 | 45 | 0 | 227 | - | 175 | 1384 | 119 | 0 | 1678 | - | 45 | 943 | 77 | 0 | 1065 | - | 3317 |
| % Lights and Motorcycles | 100% | 99.3% | 99.1%(| 0% 9 | 9.4% | - | 97.3% ! | 99.1% | 97.8% | 0% 9 | 98.3% | - | 100% | 96.4% | 99.2% | 0% | 96.9% | - 93.8 | 3% 9 | 94.7% | 98.7% | 0% 9 | 94.9% | - | 96.6% |
| Heavy | 0 | 1 | 1 | 0 | 2 | - | 2 | 1 | 1 | 0 | 4 | - | 0 | 52 | 1 | 0 | 53 | - | 3 | 53 | 1 | 0 | 57 | - | 116 |
| % Heavy | 0% | 0.7% | 0.9% | 0% | 0.6% | - | 2.7% | 0.9% | 2.2% | 0% | 1.7% | - | 0% | 3.6% | 0.8% | 0% | 3.1% | - 6.3 | 3% | 5.3% | 1.3% | 0% | 5.1% | - | 3.4% |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - |) | - | - | - | - | - | 0 | · |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

^{*}Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Wed Sep 27, 2023

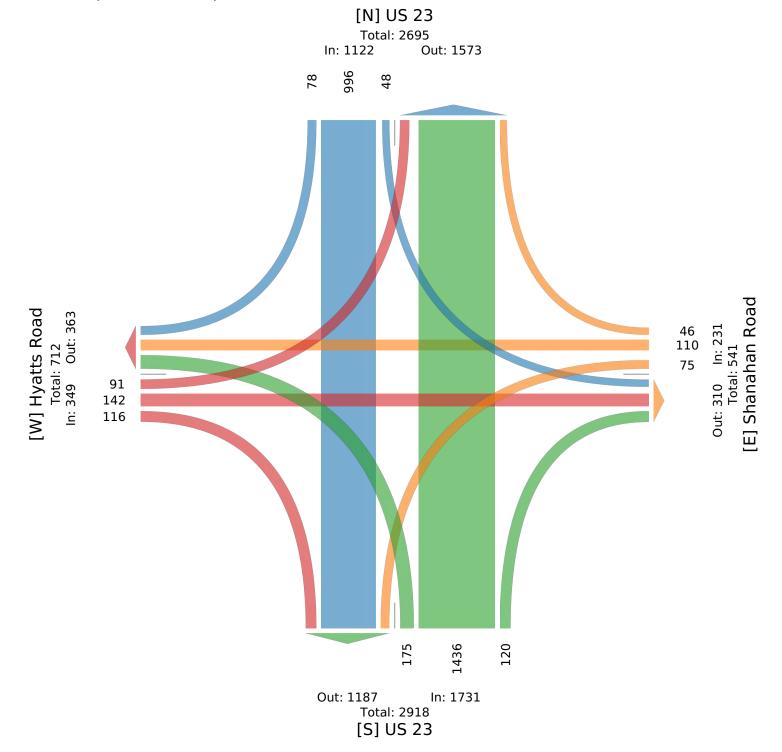
PM Peak (5 PM - 6 PM) - Overall Peak Hour

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1113976, Location: 40.213607, -83.03285





Wed Sep 27, 2023

Full Length (6 AM-10 AM, 2 PM-7 PM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112806, Location: 40.217885, -83.034089



| 1D: 1112806, Location: 4 | | - | | 0.5 | | | | | | | | | | | | |
|--------------------------|-----------|-------|-----|---------|------|----------|-------------|-------|-------------|--------|----------|-------|---------|-------------|--------|-------------|
| Leg | Trailer M | | way | | | US 23 | | | | | US 23 | | | | | |
| Direction | Eastboun | | ** | | n hi | Northbou | | ** | | D. Ide | Southbou | | ** | | D. Lie | |
| Time | L | R | | App | Ped* | L | T | U | App | Ped* | T | R | U | App | Ped* | |
| 2023-09-27 6:00AN | _ | 0 | 0 | 0 | 0 | | 95 | 0 | 95 | 0 | | 0 | 0 | 194 | 0 | 289 |
| 6:15AN | + | 0 | 0 | 0 | 0 | | 112 | 0 | 112 | 0 | | 0 | 2 | 287 | 0 | |
| 6:30AM 6:45AM | | 0 | 0 | 0 | 0 | | 153 180 | 0 | 154 182 | 0 | | 0 | 0 | 320 329 | 0 | |
| | | 0 | 0 | 0 | 0 | | 540 | 0 | 543 | 0 | | 0 | 2 | 1130 | 0 | |
| Hourly Tota 7:00AN | | 2 | 0 | 2 | 0 | | 214 | 0 | 215 | 0 | 379 | 0 | 1 | 380 | 0 | 597 |
| 7:00AN 7:15AN | _ | 0 | 0 | 1 | 0 | | 214 | 0 | 220 | 0 | 407 | 0 | 2 | 409 | 0 | 630 |
| 7:30AN | | 0 | 0 | 0 | 0 | | 303 | 0 | 303 | 0 | | 0 | 2 | 444 | 0 | |
| 7:45AN | | 1 | 0 | 6 | 0 | | 253 | 1 | 255 | 0 | | 2 | 5 | 421 | 0 | |
| Hourly Tota | | 3 | | 9 | 0 | | 990 | 1 | 993 | 0 | | 2 | 10 | 1654 | 0 | |
| 8:00AN | _ | 1 | 0 | 2 | 0 | | 269 | 1 | 270 | 0 | | 2 | 0 | 388 | 0 | |
| 8:15AN | | 3 | | 5 | 0 | | 254 | 0 | 254 | 0 | | 0 | 3 | 377 | 0 | |
| 8:30AN | | 1 | 0 | 2 | 0 | | 241 | 1 | 242 | 0 | | 2 | 1 | 397 | 0 | 641 |
| 8:45AN | _ | 0 | 0 | 0 | 0 | | 286 | 0 | 287 | 0 | | 0 | 0 | 372 | 0 | |
| Hourly Tota | _ | 5 | 0 | 9 | 0 | | 1050 | 2 | 1053 | 0 | | 4 | 4 | 1534 | 0 | |
| 9:00AN | | 1 | 0 | 1 | 0 | | 272 | 0 | 275 | 0 | | 1 | 2 | 300 | 1 | 576 |
| 9:15AN | | 1 | | 1 | 0 | | 277 | 0 | 278 | 0 | | 0 | 2 | 285 | 0 | |
| 9:30AN | | 0 | 0 | 0 | 0 | | 215 | 0 | 216 | 0 | | 0 | 5 | 279 | 0 | |
| 9:45AN | | 0 | 0 | 0 | 0 | | 260 | 0 | 260 | 0 | | 0 | 5 | 279 | 0 | 539 |
| Hourly Tota | _ | 2 | 0 | 2 | 0 | | 1024 | 0 | 1029 | 0 | | 1 | 14 | 1143 | 1 | 2174 |
| 2:00PM | | 1 | 0 | 3 | 0 | | 304 | 0 | 304 | 0 | | 0 | 14 | 257 | 0 | |
| 2:15PM | | 0 | 0 | 0 | 0 | | 304 | 0 | 304 | 0 | | 0 | 3 | 272 | 0 | |
| 2:13PF | | 0 | 0 | 1 | 0 | | 331 | 0 | 331 | 0 | | 0 | 2 | 292 | 0 | |
| 2:45PN | _ | 0 | 0 | 2 | 0 | | 313 | 0 | 313 | 0 | | 0 | 3 | 272 | 0 | |
| | | | 0 | 6 | 0 | | 1252 | 0 | 1252 | 0 | | 0 | 9 | 1093 | 0 | |
| Hourly Tota | _ | 1 | | 2 | | | | | | 0 | | | | 265 | | |
| 3:00PM | _ | 1 | 0 | | 0 | | 290 357 | 1 | 292 357 | 0 | | 0 | 6 | 293 | 0 | 559 655 |
| 3:15PN | | 2 | | 5 | 0 | | | 0 | | 0 | | 1 | | | 0 | |
| 3:30PM | | 0 | 0 | 2 | | | 387 345 | 0 | 387 | | | 0 | 6 | 319 | | |
| 3:45PM | _ | 0 | 0 | 1 | 0 | | | 2 | 347 | 0 | | 0 | 2 | 323 | 0 | |
| Hourly Tota 4:00PM | | 0 | 0 | 10 3 | 0 | | 1379 419 | 3 | 1383 420 | 0 | | 1 | 16 3 | 1200 293 | 0 | 2593 716 |
| 4:00PF 4:15PN | _ | 0 | 0 | 0 | 0 | | 404 | 0 | 420 | 0 | 209 | 0 | 2 | 293 | 0 | 710 |
| | _ | | | | | | | | | | | | | | | |
| 4:30PM | | 0 | 0 | 1 | 0 | | 405 | 0 | 405 | 0 | | 2 | 2 | 305 | 0 | |
| 4:45PM | _ | 0 | 0 | 7 | 0 | | 386 | 1 2 | 387 1617 | 0 | | 3 | 9 | 292 1189 | 0 | 682 2813 |
| Hourly Tota | | | | | | | 1614 | | | | | | | | | |
| 5:00PM | _ | 0 | | 4 | 0 | | 401 | 0 | 401 | 0 | | 0 | 6 | 293 | 0 | |
| 5:15PM | | 0 | | 1 | 0 | | 394 | 0 | 394 | 0 | | 0 | 1 | 311 | 0 | |
| 5:30PM | | 0 | | 2 | 0 | | 411 | 0 | 412 | 0 | | 2 | 3 | 295 | 0 | |
| 5:45PN | | 1 | | 4 | 0 | | 390 | 0 | 390 | 0 | | 2 | 4 | 274 | 0 | |
| Hourly Tota | _ | 1 | 0 | 11 | 0 | | 1596 | 0 | 1597 | 0 | | 4 | 14 | 1173 | 0 | |
| 6:00PM | | 4 | | 4 | 0 | | 363 | 1 | 364 | 0 | | 0 | 3 | 239 | 0 | |
| 6:15PM | | 1 | 0 | 1 | 0 | | 327 | 0 | 327 | 0 | | 0 | 3 | 243 | 0 | |
| 6:30PM | | 0 | 0 | 0 | 0 | | 294 | 0 | 294 | 0 | | 0 | 2 | 225 | 0 | |
| 6:45PN | | 1 | 0 | 1 | 0 | | 268 | 1 | 269 | 0 | | 0 | 1 | 194 | 0 | |
| Hourly Tota | | 6 | 0 | 6 | 0 | | 1252 | 2 | 1254 | 0 | | 0 | 9 | 901 | 0 | 2161 |
| Tota | | 21 | 0 | 60 | 2 | | 10697 | 10 | 10721 | 0 | 10915 | 15 | 87 | 11017 | 1 | 21798 |
| % Approac | | 35.0% | | - | | 0.1% | 99.8% | 0.1% | | - | 99.1% | 0.1% | 0.8% | - | | - |
| % Tota | | 0.1% | | 0.3% | - | 0.1% | 49.1% | 0% | 49.2% | - | 50.1% | 0.1% | 0.4% | 50.5% | - | - |
| Lights and Motorcycle | _ | 16 | | 42 | - | 11 | 9955 | 9 | 9975 | - | 10221 | 11 | 84 | 10316 | - | 20333 |
| % Lights and Motorcycle | _ | 76.2% | | 70.0% | - | 78.6% | 93.1% | 90.0% | 93.0% | - | 93.6% | 73.3% | 96.6% | 93.6% | - | 93.3% |
| Heav | | 5 | 0 | 18 | - | 3 | 742 | 1 | 746 | - | 694 | 4 | 3 | 701 | - | 1465 |
| % Heav | | 23.8% | 0% | 30.0% | - | 21.4% | 6.9% | 10.0% | 7.0% | - | 6.4% | 26.7% | 3.4% | 6.4% | - | 6.7% |
| Pedestrian | | - | - | - | 2 | | - | - | - | 0 | - | - | - | - | 1 | |
| % Pedestrian | s - | - | - | - | 100% | - | - | - | - | - | - | - | - | - | 100% | - |

| Leg | Trailer Max I | Orivev | way | | | US 23 | | | | | US 23 | | | | | |
|-----------|---------------|--------|-----|-----|------|------------|---|---|----------------|----|------------|---|---|-----|------|-----|
| Direction | Eastbound | | | | | Northbound | | | | 5 | Southbound | | | | | |
| Time | L | R | U | Арр | Ped* | L | T | U | App Peo | d* | T | R | U | Арр | Ped* | Int |

 $^{^*}$ Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Wed Sep 27, 2023

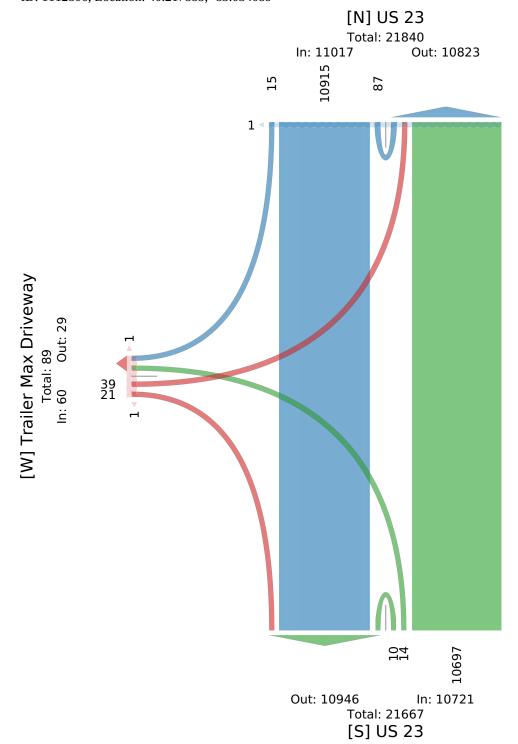
Full Length (6 AM-10 AM, 2 PM-7 PM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112806, Location: 40.217885, -83.034089





Wed Sep 27, 2023

AM Peak (7:30 AM - 8:30 AM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112806, Location: 40.217885, -83.034089



| Leg | Trailer Ma | ax Drive | way | | | US 23 | | | | | US 23 | | | | | |
|--------------------------|------------|----------|-----|-------|------|----------|-------|-------|-------|------|----------|-------|-------|-------|------|-------|
| Direction | Eastbound | 1 | | | | Northbou | ınd | | | | Southbou | nd | | | | |
| Time | L | R | U | App | Ped* | L | T | U | App | Ped* | T | R | U | App | Ped* | Int |
| 2023-09-27 7:30AM | 0 | 0 | 0 | 0 | 0 | 0 | 303 | 0 | 303 | 0 | 442 | 0 | 2 | 444 | 0 | 747 |
| 7:45AM | 5 | 1 | 0 | 6 | 0 | 1 | 253 | 1 | 255 | 0 | 414 | 2 | 5 | 421 | 0 | 682 |
| 8:00AM | 1 | 1 | 0 | 2 | 0 | 0 | 269 | 1 | 270 | 0 | 386 | 2 | 0 | 388 | 0 | 660 |
| 8:15AM | 2 | 3 | 0 | 5 | 0 | 0 | 254 | 0 | 254 | 0 | 374 | 0 | 3 | 377 | 0 | 636 |
| Total | 8 | 5 | 0 | 13 | 0 | 1 | 1079 | 2 | 1082 | 0 | 1616 | 4 | 10 | 1630 | 0 | 2725 |
| % Approach | 61.5% | 38.5% | 0% | - | - | 0.1% | 99.7% | 0.2% | - | - | 99.1% | 0.2% | 0.6% | - | - | - |
| % Total | 0.3% | 0.2% | 0% | 0.5% | - | 0% | 39.6% | 0.1% | 39.7% | - | 59.3% | 0.1% | 0.4% | 59.8% | - | - |
| PHF | 0.400 | 0.417 | - | 0.542 | - | 0.250 | 0.890 | 0.500 | 0.893 | - | 0.914 | 0.500 | 0.500 | 0.918 | - | 0.912 |
| Lights and Motorcycles | 4 | 3 | 0 | 7 | - | 0 | 972 | 2 | 974 | - | 1528 | 3 | 9 | 1540 | - | 2521 |
| % Lights and Motorcycles | 50.0% | 60.0% | 0% | 53.8% | - | 0% | 90.1% | 100% | 90.0% | - | 94.6% | 75.0% | 90.0% | 94.5% | - | 92.5% |
| Heavy | 4 | 2 | 0 | 6 | - | 1 | 107 | 0 | 108 | - | 88 | 1 | 1 | 90 | - | 204 |
| % Heavy | 50.0% | 40.0% | 0% | 46.2% | - | 100% | 9.9% | 0% | 10.0% | - | 5.4% | 25.0% | 10.0% | 5.5% | - | 7.5% |
| Pedestrians | - | - | - | - | 0 | - | - | - | - | 0 | - | - | - | - | 0 | |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

^{*}Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Wed Sep 27, 2023

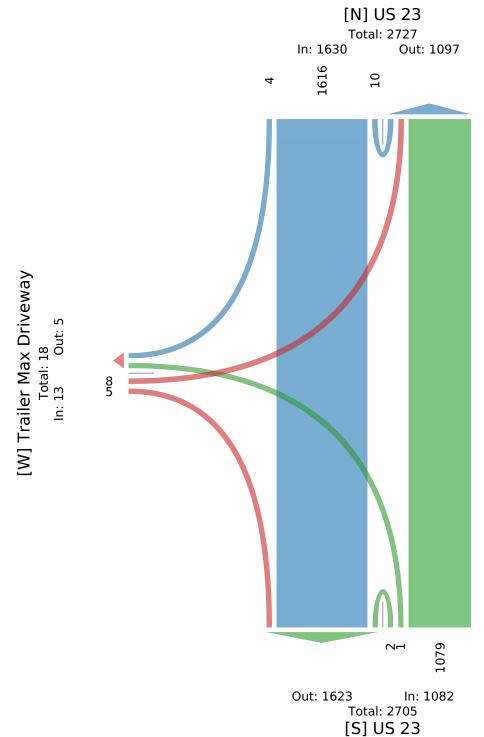
AM Peak (7:30 AM - 8:30 AM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112806, Location: 40.217885, -83.034089





Wed Sep 27, 2023

PM Peak (4 PM - 5 PM) - Overall Peak Hour

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112806, Location: 40.217885, -83.034089



| Leg | Trailer M | ax Dr | ivewa | y | | US 23 | | | | | US 23 | | | | | |
|--------------------------|-----------|-------|-------|-------|------|----------|-------|-------|-------|------|-----------|-------|-------|-------|------|-------|
| Direction | Eastbound | d | | | | Northbou | nd | | | | Southbour | nd | | | | |
| Time | L | R | U | App | Ped* | L | T | U | Арр | Ped* | T | R | U | Арр | Ped* | Int |
| 2023-09-27 4:00PM | 3 | 0 | 0 | 3 | 0 | 0 | 419 | 1 | 420 | 0 | 289 | 1 | 3 | 293 | 0 | 716 |
| 4:15PM | 0 | 0 | 0 | 0 | 0 | 1 | 404 | 0 | 405 | 0 | 297 | 0 | 2 | 299 | 0 | 704 |
| 4:30PM | 1 | 0 | 0 | 1 | 0 | 0 | 405 | 0 | 405 | 0 | 301 | 2 | 2 | 305 | 0 | 711 |
| 4:45PM | 3 | 0 | 0 | 3 | 0 | 0 | 386 | 1 | 387 | 0 | 290 | 0 | 2 | 292 | 0 | 682 |
| Total | 7 | 0 | 0 | 7 | 0 | 1 | 1614 | 2 | 1617 | 0 | 1177 | 3 | 9 | 1189 | 0 | 2813 |
| % Approach | 100% | 0% | 0% | - | - | 0.1% | 99.8% | 0.1% | - | - | 99.0% | 0.3% | 0.8% | - | - | - |
| % Total | 0.2% | 0% | 0% | 0.2% | - | 0% | 57.4% | 0.1% | 57.5% | - | 41.8% | 0.1% | 0.3% | 42.3% | - | - |
| PHF | 0.583 | - | - | 0.583 | - | 0.250 | 0.963 | 0.500 | 0.963 | - | 0.978 | 0.375 | 0.750 | 0.975 | - | 0.982 |
| Lights and Motorcycles | 4 | 0 | 0 | 4 | - | 1 | 1541 | 1 | 1543 | - | 1106 | 3 | 9 | 1118 | - | 2665 |
| % Lights and Motorcycles | 57.1% | 0% | 0% | 57.1% | - | 100% | 95.5% | 50.0% | 95.4% | - | 94.0% | 100% | 100% | 94.0% | - | 94.7% |
| Heavy | 3 | 0 | 0 | 3 | - | 0 | 73 | 1 | 74 | - | 71 | 0 | 0 | 71 | - | 148 |
| % Heavy | 42.9% | 0% | 0% | 42.9% | - | 0% | 4.5% | 50.0% | 4.6% | - | 6.0% | 0% | 0% | 6.0% | - | 5.3% |
| Pedestrians | - | - | - | - | 0 | - | - | - | - | 0 | - | - | - | - | 0 | |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

^{*}Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Wed Sep 27, 2023

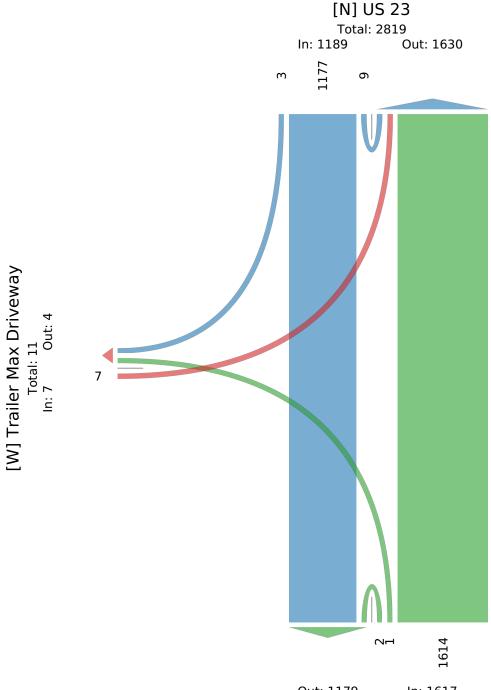
PM Peak (4 PM - 5 PM) - Overall Peak Hour

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112806, Location: 40.217885, -83.034089





Out: 1179 In: 1617 Total: 2796 [S] US 23

Wed Sep 27, 2023

Full Length (6 AM-10 AM, 2 PM-7 PM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112808, Location: 40.220286, -83.034763



| 1D: 1112808, Locatio | | J. 03 | 1 | | | | | | | | | | | | | | | | | |
|--------------------------------|-----------------------------------|--------------|------------|---------|-----|------|---------|----------|------------|------|------------|------------|--------|------|---------|-------|------|------------|--------|-------|
| Leg | Driveway | | Walnut Bou | levard | | | | US: | | , | | | | US : | | | | | | |
| Direction | Eastbound | אר - ת | Westbound | D | T T | A | אַג - ת | - | thbound | | T T | A | אר - ת | | thbound | | T.T. | A | D - J* | T4 |
| Time 2022 00 27 C 00 A M | L T R UApp | | L T | R | | App | | L | T | R | | App | | L | T | R | | | Ped* | |
| 2023-09-27 6:00AM | | 0 | - | 6 | 0 | 6 | 0 | 0 | 111 | 0 | | 111 | 0 | 0 | 208 | 1 | 0 | 209 | 0 | 326 |
| 6:15AM | 0 0 0 0 0 0 0 0 0 0 | 0 | | 15 | 0 | 16 | 0 | 0 | 111 173 | 3 | | 114 176 | 0 | 0 | 298 | 2 | 0 | 298 311 | 0 | 420 |
| 6:30AM | | | - | 15 7 | 0 | 7 | | 0 | 193 | | | 196 | 0 | 0 | 309 | | 0 | 328 | 0 | |
| 6:45AM | | 0 | | | | | 0 | _ | | 3 | | | | _ | | 2 | | | | |
| Hourly Total | | 0 | | 36 | 0 | 37 | 0 | 0 | 588 | 9 | 0 | 597 | 0 | 0 | 1141 | 5 | 0 | 1146 | 0 | 1780 |
| 7:00AM | | 0 | | 12 | 0 | 12 | 0 | 0 | 189 | 5 | 0 | 194 | 0 | 0 | 350 | 0 | 0 | 350 | 0 | 556 |
| 7:15AM 7:30AM | | 0 | 0 0 | 15 | 0 | 15 | 0 | 0 | 232 | 8 | 0 | 240 | 0 | 0 | 391 | 1 | 0 | 392 | 0 | 647 |
| | | | | 16 | 0 | 16 | 0 | 0 | 261 | 9 | 0 | 270 | 0 | 0 | 429 | 0 | 0 | 429 | 0 | 715 |
| 7:45AM | | 0 | | 17 | 0 | 17 | 0 | 0 | 271 | 9 | 0 | 280 | 0 | _ | 413 | 0 | 0 | 413 | | 710 |
| Hourly Total | 0 0 0 0 0 | 0 | | 60 | 0 | 60 | 0 | 0 | 953 | 31 | 0 | 984 | 0 | 0 | 1583 | 1 | 0 | 1584 | 0 | 2628 |
| 8:00AM | | 0 | - | 17 | 0 | 17 | 0 | 0 | 244 | 5 | 0 | 249 | 0 | 0 | 379 | 1 | 0 | 380 | 0 | 646 |
| 8:15AM | 0 0 0 0 0 | 0 | | 16 | 0 | 16 | 0 | 0 | 235 | 6 | 0 | 241 | 0 | 0 | 379 | 5 | 0 | 384 | 0 | 641 |
| 8:30AM | 0 0 0 0 0 | 0 | | 19 | 0 | 19 | 0 | 0 | 261 | 3 | 0 | 264 | 0 | 0 | 370 | 3 | 0 | 373 | 0 | 656 |
| 8:45AM | 0 0 0 0 0 | 0 | | 8 | 0 | 8 | 0 | 0 | 266 | 4 | | 270 | 0 | 0 | 384 | 4 | 0 | 388 | 0 | 666 |
| Hourly Total | | 0 | | 60 | 0 | 60 | 0 | 0 | 1006 | 18 | 0 | 1024 | 0 | 0 | 1512 | 13 | 0 | 1525 | 0 | 2609 |
| 9:00AM | | 0 | | 9 | 0 | 9 | 0 | 0 | 277 | 3 | 0 | 280 | 0 | 0 | 293 | 3 | 0 | 296 | 0 | 585 |
| 9:15AM | | 0 | - | 6 | 0 | 6 | 0 | 0 | 246 | 11 | 0 | 257 | 0 | 0 | 297 | 4 | 0 | 301 | 0 | |
| 9:30AM | | 0 | | 6 | 0 | 6 | 0 | 0 | 236 | 4 | | 240 | 0 | 0 | 283 | 1 | 0 | 284 | 0 | |
| 9:45AM | | 0 | | 14 | 0 | 14 | 0 | 0 | 251 | 4 | | 255 | 0 | 0 | 276 | 1 | 0 | 277 | 0 | 546 |
| Hourly Total | | 0 | | 35 | 0 | 35 | 0 | 0 | 1010 | 22 | 0 | 1032 | 0 | 0 | 1149 | 9 | 0 | 1158 | 0 | 2225 |
| 2:00PM | | 0 | | 11 | 0 | 11 | 0 | 0 | 298 | 7 | 0 | 305 | 0 | 0 | 245 | 4 | 0 | 249 | 0 | 565 |
| 2:15PM | 00000 | 0 | - | 9 | 0 | 9 | 0 | 0 | 291 | 10 | 0 | 301 | 0 | 0 | 270 | 3 | 0 | 273 | 0 | 583 |
| 2:30PM | 00000 | 0 | | 11 | 0 | 11 | 0 | 0 | 346 | 12 | 0 | 358 | 0 | 0 | 292 | 1 | 0 | 293 | 0 | |
| 2:45PM | 00000 | 0 | 0 0 | 11 | 0 | 11 | 4 | 0 | 304 | 8 | 0 | 312 | 0 | 0 | 256 | 2 | 0 | 258 | 0 | 581 |
| Hourly Total | 0 0 0 0 | 0 | 0 0 | 42 | 0 | 42 | 4 | 0 | 1239 | 37 | 0 | 1276 | 0 | 0 | 1063 | 10 | 0 | 1073 | 0 | 2391 |
| 3:00PM | 0 0 0 0 0 | 0 | 0 0 | 7 | 0 | 7 | 4 | 0 | 292 | 10 | 0 | 302 | 0 | 0 | 278 | 2 | 0 | 280 | 0 | 589 |
| 3:15PM | 0 0 0 0 | 0 | 0 0 | 5 | 0 | 5 | 0 | 0 | 343 | 13 | 0 | 356 | 0 | 0 | 288 | 1 | 0 | 289 | 0 | 650 |
| 3:30PM | 0 0 0 0 | 0 | 0 0 | 8 | 0 | 8 | 0 | 0 | 376 | 15 | 0 | 391 | 0 | 0 | 301 | 5 | 0 | 306 | 0 | 705 |
| 3:45PM | 0 0 0 0 | 0 | 0 0 | 8 | 0 | 8 | 0 | 0 | 338 | 12 | 0 | 350 | 0 | 0 | 323 | 0 | 0 | 323 | 0 | 681 |
| Hourly Total | 0 0 0 0 0 | 0 | 0 0 | 28 | 0 | 28 | 4 | 0 | 1349 | 50 | 0 | 1399 | 0 | 0 | 1190 | 8 | 0 | 1198 | 0 | 2625 |
| 4:00PM | 0 0 0 0 0 | 0 | 0 0 | 7 | 0 | 7 | 0 | 0 | 381 | 23 | 0 | 404 | 0 | 0 | 281 | 1 | 0 | 282 | 0 | 693 |
| 4:15PM | 0 0 0 0 0 | 0 | 0 0 | 11 | 0 | 11 | 0 | 0 | 389 | 18 | 0 | 407 | 0 | 0 | 305 | 2 | 0 | 307 | 0 | 725 |
| 4:30PM | 0 0 0 0 0 | 0 | 0 0 | 6 | 0 | 6 | 0 | 0 | 388 | 12 | 0 | 400 | 0 | 0 | 308 | 1 | 0 | 309 | 0 | 715 |
| 4:45PM | 0 0 0 0 0 | 0 | 0 0 | 9 | 0 | 9 | 0 | 0 | 376 | 21 | 0 | 397 | 0 | 0 | 292 | 0 | 0 | 292 | 0 | 698 |
| Hourly Total | 0 0 0 0 0 | 0 | 0 0 | 33 | 0 | 33 | 0 | 0 | 1534 | 74 | 0 | 1608 | 0 | 0 | 1186 | 4 | 0 | 1190 | 0 | 2831 |
| 5:00PM | 0 0 0 0 0 | 0 | 0 0 | 12 | 0 | 12 | 0 | 0 | 391 | 17 | 0 | 408 | 0 | 0 | 292 | 0 | 0 | 292 | 0 | 712 |
| 5:15PM | 0 0 0 0 0 | 0 | 0 0 | 11 | 0 | 11 | 0 | 0 | 377 | 9 | 0 | 386 | 0 | 0 | 312 | 0 | 0 | 312 | 0 | 709 |
| 5:30PM | 0 0 0 0 0 | 0 | 0 0 | 11 | 0 | 11 | 0 | 0 | 412 | 11 | 0 | 423 | 0 | 0 | 267 | 2 | 0 | 269 | 0 | 703 |
| 5:45PM | 0 0 0 0 0 | 0 | 0 0 | 11 | 0 | 11 | 0 | 0 | 368 | 19 | 0 | 387 | 0 | 0 | 269 | 0 | 0 | 269 | 0 | 667 |
| Hourly Total | 0 0 0 0 0 | 0 | 0 0 | 45 | 0 | 45 | 0 | 0 | 1548 | 56 | 0 | 1604 | 0 | 0 | 1140 | 2 | 0 | 1142 | 0 | 2791 |
| 6:00PM | 0 0 0 0 0 | 0 | 0 0 | 6 | 0 | 6 | 0 | 0 | 354 | 15 | 0 | 369 | 0 | 0 | 216 | 0 | 0 | 216 | 0 | 591 |
| 6:15PM | 0 0 0 0 0 | 0 | 0 0 | 9 | 0 | 9 | 0 | 0 | 306 | | 0 | 323 | 0 | 0 | 243 | 0 | 0 | 243 | 0 | 575 |
| 6:30PM | 0 0 0 0 0 | 0 | 0 0 | 9 | 0 | 9 | 0 | 0 | 295 | 8 | | 303 | 0 | 0 | 211 | 0 | 0 | 211 | 0 | |
| 6:45PM | 0 0 0 0 0 | 0 | 0 0 | 14 | 0 | 14 | 0 | 0 | 250 | 7 | | 257 | 0 | 0 | 201 | 1 | 0 | 202 | 0 | |
| Hourly Total | 0 0 0 0 0 | 0 | 0 0 | 38 | 0 | 38 | 0 | 0 | 1205 | 47 | 0 | 1252 | 0 | 0 | 871 | 1 | 0 | 872 | 0 | 2162 |
| Total | | 0 | | 377 | | 378 | 8 | | 10432 | 344 | | 10776 | 0 | n | 10835 | 53 | | 10888 | 0 | 22042 |
| | 0% 0% 0% 0% - | - | 0.3% 0% 9 | | | - | - | _ | 96.8% | 3.2% | | - | - | _ | 99.5% | | | - | | -2042 |
| | 0% 0% 0% 0% 0% | | 0% 0% | | | | | _ | 47.3% | 1.6% | | 48 9% | | | 49.2% | 0.2% | | 49 4% | | |
| Lights and Motorcycles | | _ | 1 0 | | 0 | | | 0 | 9684 | | | 10008 | | | 10077 | 51 | | 10128 | | 20492 |
| % Lights and Motorcycles | | _ | 100% 0% 9 | | | | | _ | 92.8% | | | | | _ | | 96.2% | | | | 93.0% |
| % Lights and Motorcycles Heavy | • | _ | 0 0 | 22 | | 22 | | 0% | 748 | 20 | | 768 | | 0% | 758 | | 0% | 760 | | 1550 |
| | 0% 0% 0% 0% - | | 0% 0% | | | | | 0% | 7.2% | | | 7.1% | | 0% | | 3.8% | | 7.0% | | 7.0% |
| | | 0 | _ | | | 5.8% | 8 | 0% | 7.270 | | | | 0 | 0% | 7.0% | | | 7.0% | 0 | |
| Pedestrians | | U | | - | - | | | \vdash | - | - | | - | U | | | - | - | - | U | |
| % Pedestrians | | - | | - | - | - | 100% | - | - | - | - | - | - | - | - | - | - | - | | _ |

| Leg | Driveway | Walnut Boulevard | US 23 | US 23 | |
|-----------|-------------------------|-------------------------|-------------------------|-------------------------|-----|
| Direction | Eastbound | Westbound | Northbound | Southbound | |
| Time | L T R U App Ped* | Int |

^{*}Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Wed Sep 27, 2023

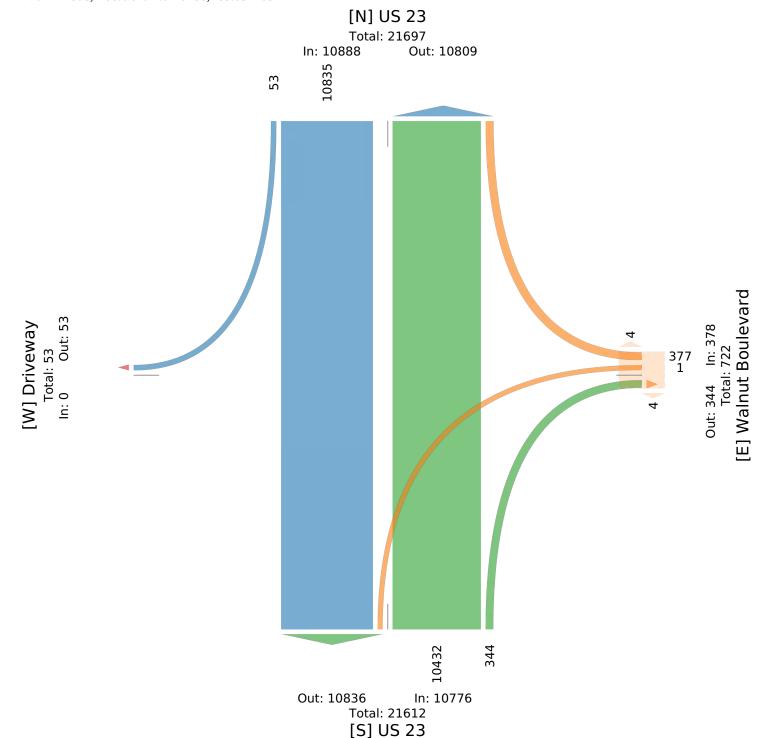
Full Length (6 AM-10 AM, 2 PM-7 PM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112808, Location: 40.220286, -83.034763





Wed Sep 27, 2023

AM Peak (7:15 AM - 8:15 AM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112808, Location: 40.220286, -83.034763



| Leg | Driv | ewa | y | | | | Wal | nut I | Bouleva | rd | | | US : | 23 | | | | | US 2 | 23 | | | | | |
|--------------------------|-------|------|----|----|-------|------|-----|-------|---------|----|-------|------|------|--------|-------|----|-------|------|------|--------|-------|----|-------|------|-------|
| Direction | Eastl | oour | nd | | | | Wes | stbou | ınd | | | | Nor | hbound | | | | | Sout | hbound | | | | | |
| Time | L | T | R | U. | App I | Ped* | L | T | R | U | App | Ped* | L | T | R | U | App | Ped* | L | T | R | U | App | Ped* | Int |
| 2023-09-27 7:15AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 15 | 0 | 0 | 232 | 8 | 0 | 240 | 0 | 0 | 391 | 1 | 0 | 392 | 0 | 647 |
| 7:30AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 16 | 0 | 0 | 261 | 9 | 0 | 270 | 0 | 0 | 429 | 0 | 0 | 429 | 0 | 715 |
| 7:45AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 17 | 0 | 0 | 271 | 9 | 0 | 280 | 0 | 0 | 413 | 0 | 0 | 413 | 0 | 710 |
| 8:00AM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 17 | 0 | 0 | 244 | 5 | 0 | 249 | 0 | 0 | 379 | 1 | 0 | 380 | 0 | 646 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65 | 0 | 65 | 0 | 0 | 1008 | 31 | 0 | 1039 | 0 | 0 | 1612 | 2 | 0 | 1614 | 0 | 2718 |
| % Approach | 0% | 0% | 0% | 0% | - | - | 0% | 0% | 100% | 0% | - | - | 0% | 97.0% | 3.0% | 0% | - | - | 0% | 99.9% | 0.1% | 0% | - | - | - |
| % Total | 0% | 0% | 0% | 0% | 0% | - | 0% | 0% | 2.4% | 0% | 2.4% | - | 0% | 37.1% | 1.1% | 0% | 38.2% | - | 0% | 59.3% | 0.1% | 0% | 59.4% | - | - |
| PHF | - | - | - | - | - | - | - | - | 0.956 | - | 0.956 | - | - | 0.930 | 0.861 | - | 0.928 | - | - | 0.939 | 0.500 | - | 0.941 | - | 0.950 |
| Lights and Motorcycles | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 62 | 0 | 62 | - | 0 | 911 | 26 | 0 | 937 | - | 0 | 1499 | 2 | 0 | 1501 | - | 2500 |
| % Lights and Motorcycles | 0% | 0% | 0% | 0% | - | - | 0% | 0% | 95.4% | 0% | 95.4% | - | 0% | 90.4% | 83.9% | 0% | 90.2% | - | 0% | 93.0% | 100% | 0% | 93.0% | - | 92.0% |
| Heavy | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 3 | 0 | 3 | - | 0 | 97 | 5 | 0 | 102 | - | 0 | 113 | 0 | 0 | 113 | - | 218 |
| % Heavy | 0% | 0% | 0% | 0% | - | - | 0% | 0% | 4.6% | 0% | 4.6% | - | 0% | 9.6% | 16.1% | 0% | 9.8% | - | 0% | 7.0% | 0% | 0% | 7.0% | - | 8.0% |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

^{*}Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

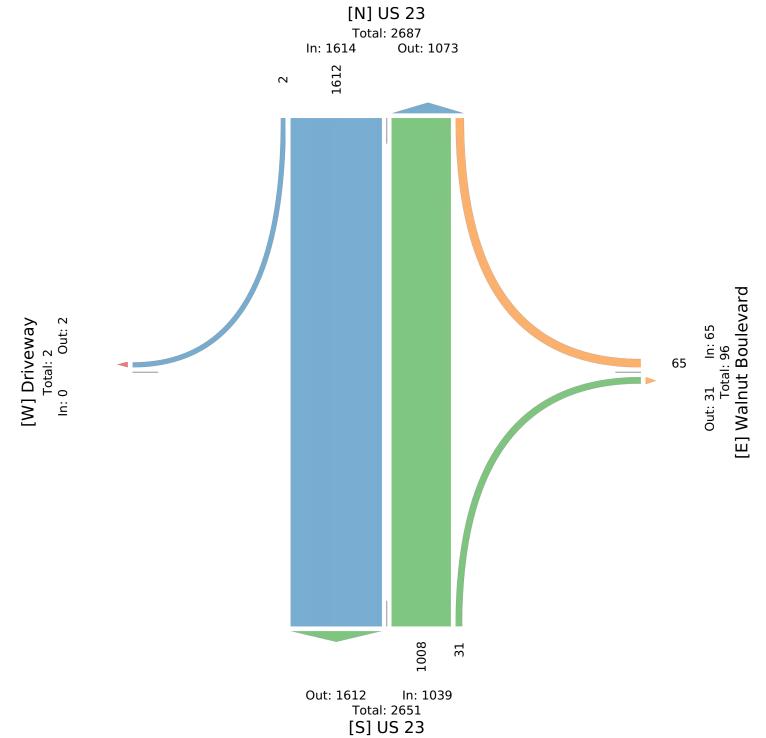
Wed Sep 27, 2023 AM Peak (7:15 AM - 8:15 AM)

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112808, Location: 40.220286, -83.034763





Wed Sep 27, 2023

PM Peak (4:15 PM - 5:15 PM) - Overall Peak Hour

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

All Movements

ID: 1112808, Location: 40.220286, -83.034763



| Leg | Driv | ewa | ıy | | | | Wal | nut I | Bouleva | rd | | | US | 23 | | | | | US 2 | 23 | | | | | |
|--------------------------|------|------|----|----|-------|------|-----|-------|---------|----|-------|------|-----|---------|-------|----|-------|------|------|--------|-------|----|-------|------|-------|
| Direction | East | boui | nd | | | | Wes | tbou | ınd | | | | Nor | thbound | l | | | | Sout | hbound | l | | | | |
| Time | L | T | R | U | App I | Ped* | L | T | R | U | App | Ped* | L | T | R | U | App | Ped* | L | T | R | U | App | Ped* | Int |
| 2023-09-27 4:15PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 11 | 0 | 0 | 389 | 18 | 0 | 407 | 0 | 0 | 305 | 2 | 0 | 307 | 0 | 725 |
| 4:30PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 6 | 0 | 0 | 388 | 12 | 0 | 400 | 0 | 0 | 308 | 1 | 0 | 309 | 0 | 715 |
| 4:45PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 0 | 9 | 0 | 0 | 376 | 21 | 0 | 397 | 0 | 0 | 292 | 0 | 0 | 292 | 0 | 698 |
| 5:00PM | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 0 | 12 | 0 | 0 | 391 | 17 | 0 | 408 | 0 | 0 | 292 | 0 | 0 | 292 | 0 | 712 |
| Total | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 38 | 0 | 38 | 0 | 0 | 1544 | 68 | 0 | 1612 | 0 | 0 | 1197 | 3 | 0 | 1200 | 0 | 2850 |
| % Approach | 0% | 0% | 0% | 0% | - | - | 0% | 0% | 100% | 0% | - | - | 0% | 95.8% | 4.2% | 0% | - | - | 0% | 99.8% | 0.3% | 0% | - | - | - |
| % Total | 0% | 0% | 0% | 0% | 0% | - | 0% | 0% | 1.3% | 0% | 1.3% | - | 0% | 54.2% | 2.4% | 0% | 56.6% | - | 0% | 42.0% | 0.1% | 0% | 42.1% | - | - |
| PHF | - | - | - | - | - | - | - | - | 0.792 | - | 0.792 | - | - | 0.987 | 0.810 | - | 0.988 | - | - | 0.972 | 0.375 | - | 0.971 | - | 0.983 |
| Lights and Motorcycles | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 37 | 0 | 37 | - | 0 | 1487 | 66 | 0 | 1553 | - | 0 | 1131 | 3 | 0 | 1134 | - | 2724 |
| % Lights and Motorcycles | 0% | 0% | 0% | 0% | - | - | 0% | 0% | 97.4% | 0% | 97.4% | - | 0% | 96.3% | 97.1% | 0% | 96.3% | - | 0% | 94.5% | 100% | 0% | 94.5% | - | 95.6% |
| Heavy | 0 | 0 | 0 | 0 | 0 | - | 0 | 0 | 1 | 0 | 1 | - | 0 | 57 | 2 | 0 | 59 | - | 0 | 66 | 0 | 0 | 66 | - | 126 |
| % Heavy | 0% | 0% | 0% | 0% | - | - | 0% | 0% | 2.6% | 0% | 2.6% | - | 0% | 3.7% | 2.9% | 0% | 3.7% | - | 0% | 5.5% | 0% | 0% | 5.5% | - | 4.4% |
| Pedestrians | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | - | - | - | - | - | 0 | |
| % Pedestrians | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

^{*}Pedestrians and Bicycles on Crosswalk. L: Left, R: Right, T: Thru, U: U-Turn

Wed Sep 27, 2023

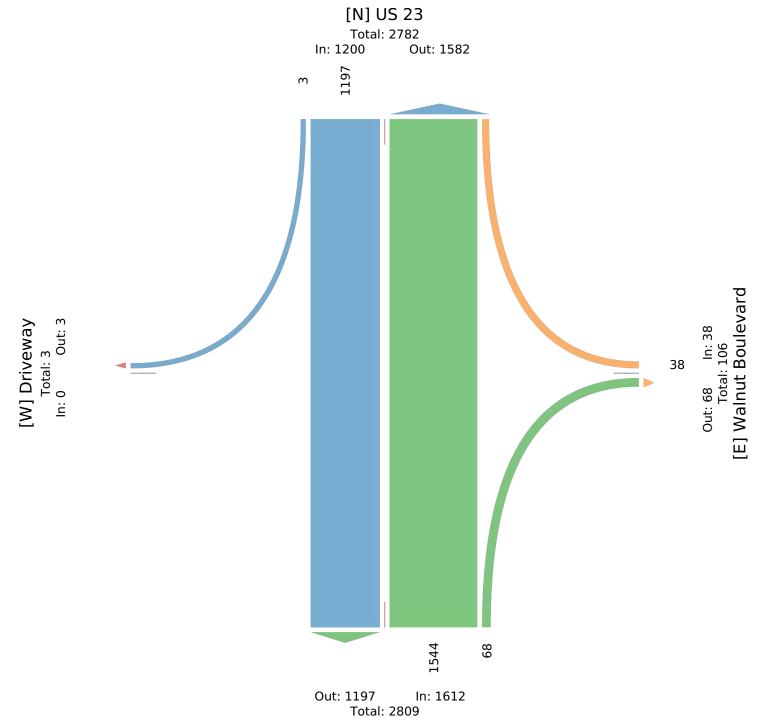
PM Peak (4:15 PM - 5:15 PM) - Overall Peak Hour

All Classes (Lights and Motorcycles, Heavy, Pedestrians)

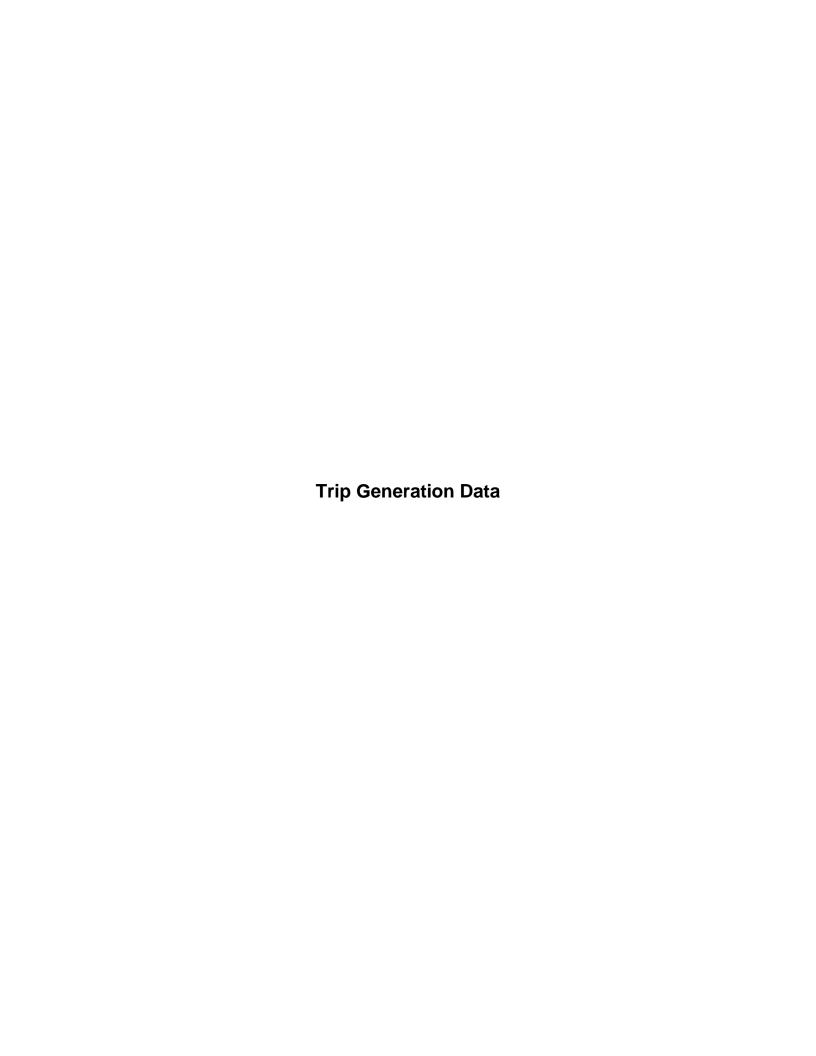
All Movements

ID: 1112808, Location: 40.220286, -83.034763





[S] US 23



Single-Family Attached Housing

(215)

Vehicle Trip Ends vs: Dwelling Units

On a: Weekday,

Peak Hour of Adjacent Street Traffic,

One Hour Between 7 and 9 a.m.

Setting/Location: General Urban/Suburban

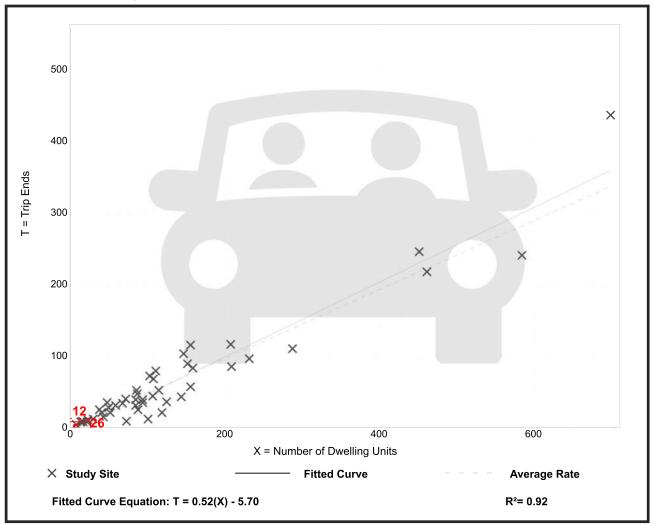
Number of Studies: 46 Avg. Num. of Dwelling Units: 135

Directional Distribution: 25% entering, 75% exiting

Vehicle Trip Generation per Dwelling Unit

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.48 | 0.12 - 0.74 | 0.14 |

Data Plot and Equation



Trip Gen Manual, 11th Edition

Institute of Transportation Engineers

Single-Family Attached Housing (215)

Vehicle Trip Ends vs: Dwelling Units

On a: Weekday,

Peak Hour of Adjacent Street Traffic, One Hour Between 4 and 6 p.m.

Setting/Location: General Urban/Suburban

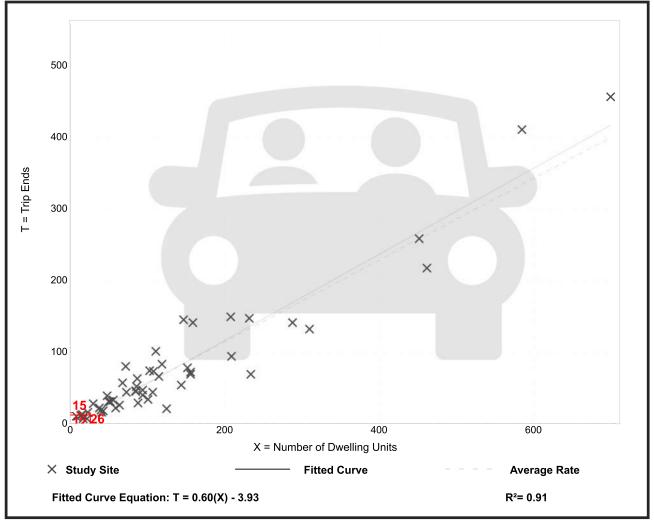
Number of Studies: 51 Avg. Num. of Dwelling Units: 136

Directional Distribution: 59% entering, 41% exiting

Vehicle Trip Generation per Dwelling Unit

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.57 | 0.17 - 1.25 | 0.18 |

Data Plot and Equation



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Single-Family Attached Housing (215)

Vehicle Trip Ends vs: Dwelling Units

On a: Weekday,

Peak Hour of Adjacent Street Traffic, One Hour Between 7 and 9 a.m.

Setting/Location: General Urban/Suburban

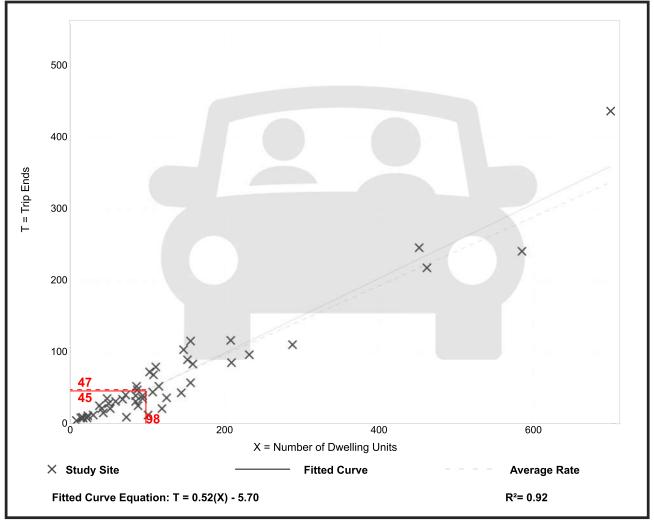
Number of Studies: 46 Avg. Num. of Dwelling Units: 135

Directional Distribution: 25% entering, 75% exiting

Vehicle Trip Generation per Dwelling Unit

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.48 | 0.12 - 0.74 | 0.14 |

Data Plot and Equation



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Single-Family Attached Housing

(215)

Vehicle Trip Ends vs: Dwelling Units

On a: Weekday,

> Peak Hour of Adjacent Street Traffic, One Hour Between 4 and 6 p.m.

Setting/Location: General Urban/Suburban

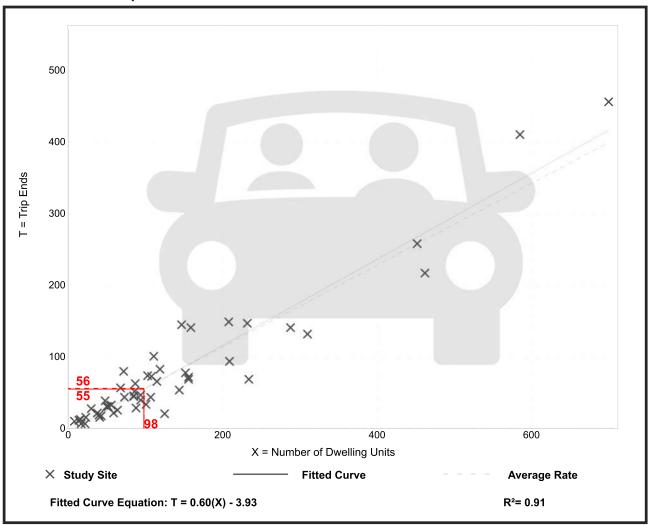
Number of Studies: Avg. Num. of Dwelling Units: 136

Directional Distribution: 59% entering, 41% exiting

Vehicle Trip Generation per Dwelling Unit

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.57 | 0.17 - 1.25 | 0.18 |

Data Plot and Equation



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• Institute of Transportation Engineers

(822)

Vehicle Trip Ends vs: 1000 Sq. Ft. GLA

On a: Weekday,

Peak Hour of Adjacent Street Traffic, One Hour Between 7 and 9 a.m.

Setting/Location: General Urban/Suburban

Number of Studies: 5 Avg. 1000 Sq. Ft. GLA: 18

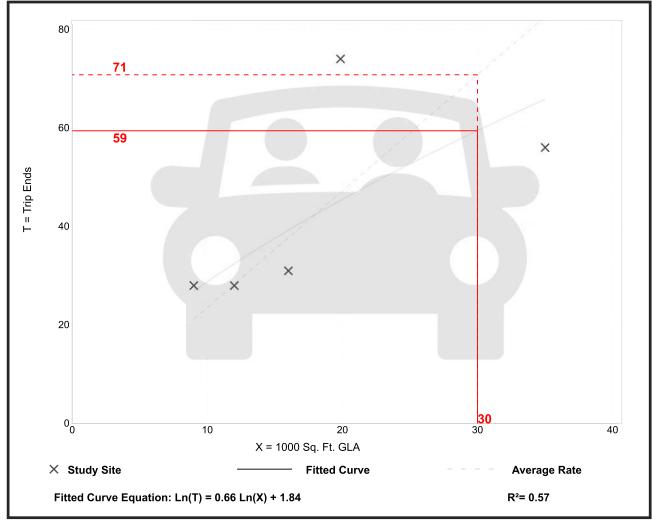
Directional Distribution: 60% entering, 40% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GLA

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 2.36 | 1.60 - 3.73 | 0.94 |

Data Plot and Equation

Caution - Small Sample Size



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Institute of Transportation Engineers

(822)

Vehicle Trip Ends vs: 1000 Sq. Ft. GLA

On a: Weekday,

Peak Hour of Adjacent Street Traffic, One Hour Between 4 and 6 p.m.

Setting/Location: General Urban/Suburban

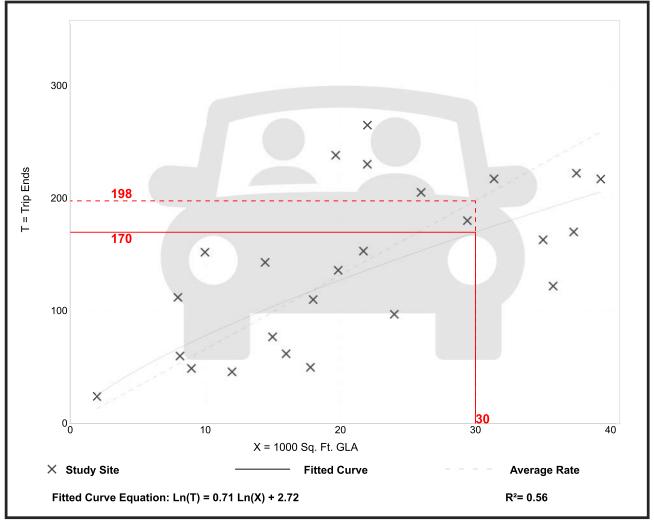
Number of Studies: 25 Avg. 1000 Sq. Ft. GLA: 21

Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GLA

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 6.59 | 2.81 - 15.20 | 2.94 |

Data Plot and Equation



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Multifamily Housing (Low-Rise)

Not Close to Rail Transit (220)

Vehicle Trip Ends vs: Dwelling Units

On a: Weekday,

Peak Hour of Adjacent Street Traffic, One Hour Between 7 and 9 a.m.

One flour between 7 and 5 a.i

Setting/Location: General Urban/Suburban

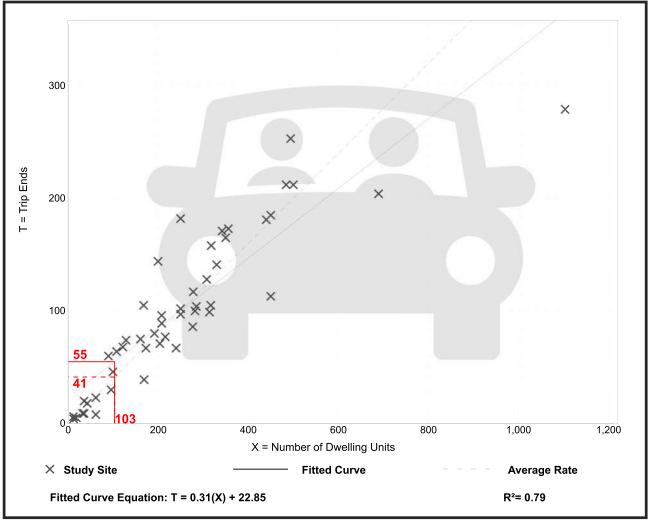
Number of Studies: 49 Avg. Num. of Dwelling Units: 249

Directional Distribution: 24% entering, 76% exiting

Vehicle Trip Generation per Dwelling Unit

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.40 | 0.13 - 0.73 | 0.12 |

Data Plot and Equation



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(822)

Vehicle Trip Ends vs: 1000 Sq. Ft. GLA

On a: Weekday,

Peak Hour of Adjacent Street Traffic, One Hour Between 4 and 6 p.m.

Setting/Location: General Urban/Suburban

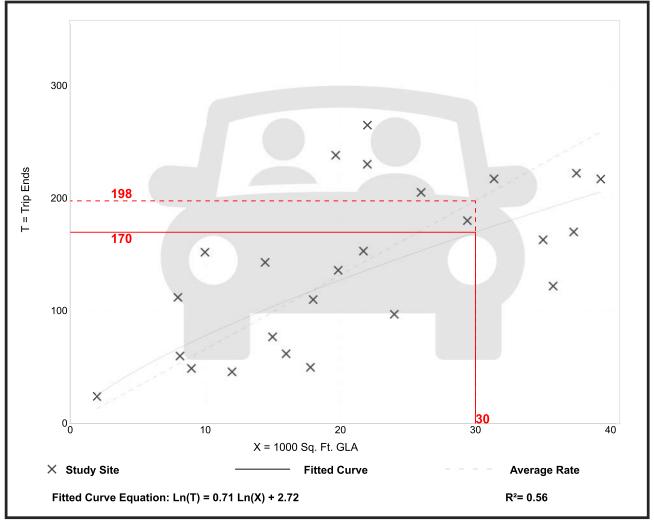
Number of Studies: 25 Avg. 1000 Sq. Ft. GLA: 21

Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GLA

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 6.59 | 2.81 - 15.20 | 2.94 |

Data Plot and Equation



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(822)

Vehicle Trip Ends vs: 1000 Sq. Ft. GLA

On a: Weekday,

Peak Hour of Adjacent Street Traffic, One Hour Between 7 and 9 a.m.

Setting/Location: General Urban/Suburban

Number of Studies: 5 Avg. 1000 Sq. Ft. GLA: 18

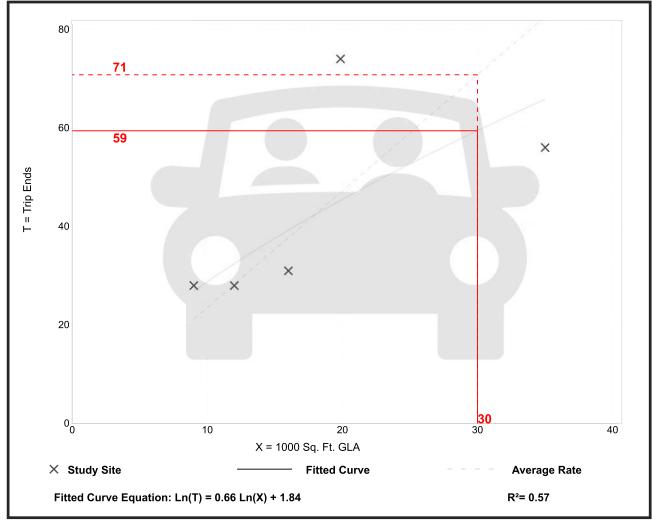
Directional Distribution: 60% entering, 40% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GLA

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 2.36 | 1.60 - 3.73 | 0.94 |

Data Plot and Equation

Caution - Small Sample Size



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(822)

Vehicle Trip Ends vs: 1000 Sq. Ft. GLA

On a: Weekday,

Peak Hour of Adjacent Street Traffic, One Hour Between 4 and 6 p.m.

Setting/Location: General Urban/Suburban

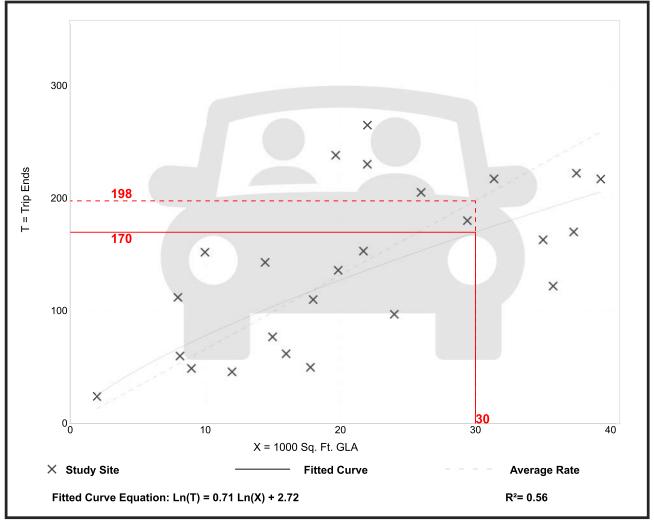
Number of Studies: 25 Avg. 1000 Sq. Ft. GLA: 21

Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GLA

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 6.59 | 2.81 - 15.20 | 2.94 |

Data Plot and Equation



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Supermarket

(850)

Vehicle Trip Ends vs: 1000 Sq. Ft. GFA

On a: Weekday,

Peak Hour of Adjacent Street Traffic, One Hour Between 7 and 9 a.m.

Setting/Location: General Urban/Suburban

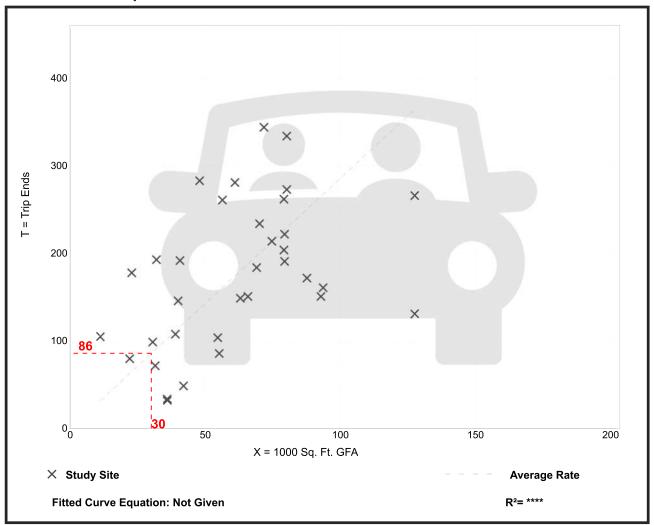
Number of Studies: 34 Avg. 1000 Sq. Ft. GFA: 61

Directional Distribution: 59% entering, 41% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 2.86 | 0.89 - 9.35 | 1.45 |

Data Plot and Equation



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Supermarket

(850)

Vehicle Trip Ends vs: 1000 Sq. Ft. GFA

On a: Weekday,

Peak Hour of Adjacent Street Traffic, One Hour Between 4 and 6 p.m.

Setting/Location: General Urban/Suburban

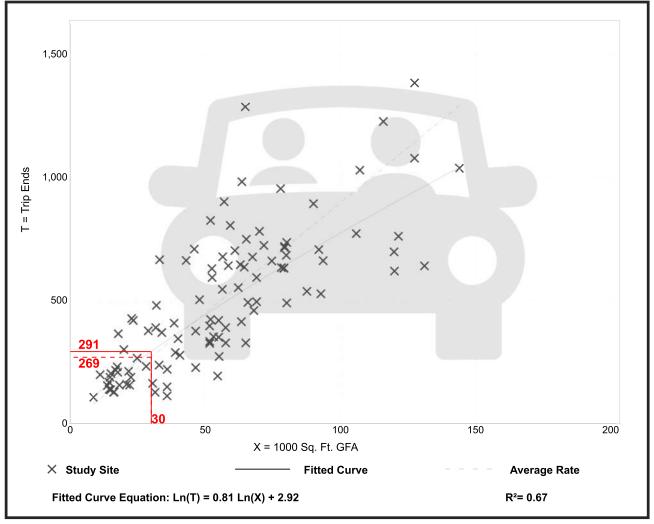
Number of Studies: 104 Avg. 1000 Sq. Ft. GFA: 55

Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GFA

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 8.95 | 3.11 - 20.30 | 3.32 |

Data Plot and Equation



Trip Gen Manual, 11th Edition

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Single-Family Attached Housing

(215)

Vehicle Trip Ends vs: Dwelling Units

On a: Weekday,

Peak Hour of Adjacent Street Traffic,

One Hour Between 7 and 9 a.m.

Setting/Location: General Urban/Suburban

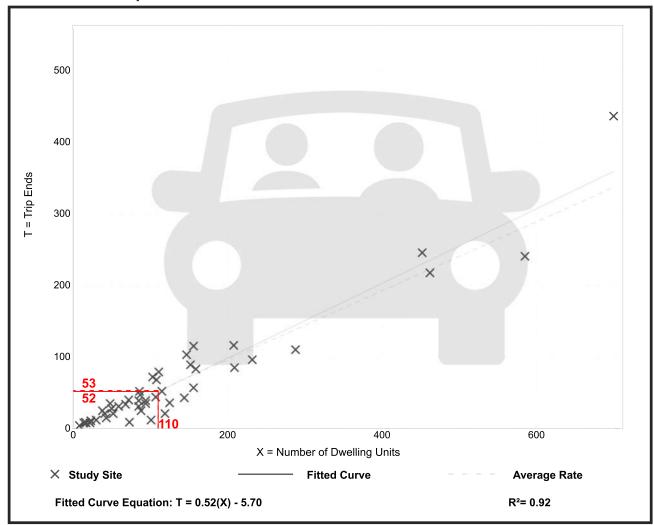
Number of Studies: 46 Avg. Num. of Dwelling Units: 135

Directional Distribution: 25% entering, 75% exiting

Vehicle Trip Generation per Dwelling Unit

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.48 | 0.12 - 0.74 | 0.14 |

Data Plot and Equation



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Single-Family Attached Housing (215)

Vehicle Trip Ends vs: Dwelling Units

On a: Weekday,

Peak Hour of Adjacent Street Traffic, One Hour Between 4 and 6 p.m.

Setting/Location: General Urban/Suburban

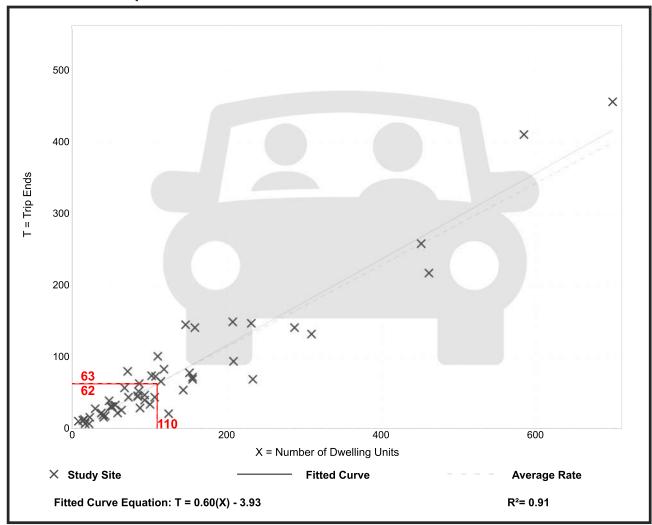
Number of Studies: 51 Avg. Num. of Dwelling Units: 136

Directional Distribution: 59% entering, 41% exiting

Vehicle Trip Generation per Dwelling Unit

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.57 | 0.17 - 1.25 | 0.18 |

Data Plot and Equation



Trip Gen Manual, 11th Edition

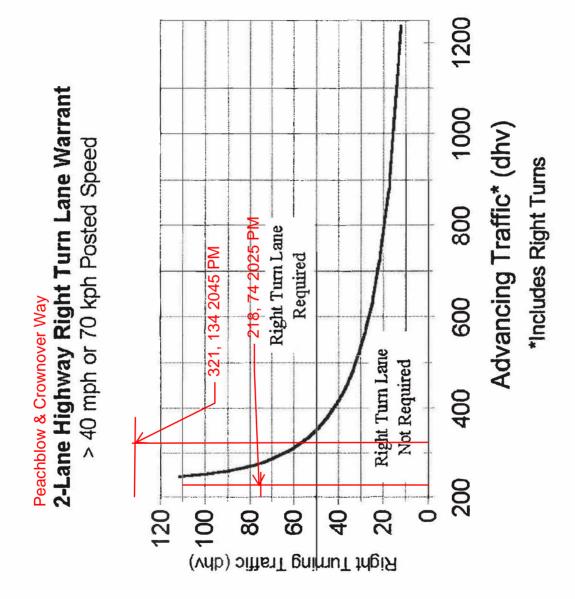
Institute of Transportation Engineers



2-LANE RIGHT TURN LANE WARRANT (HIGH SPEED)

401-6b

REFERENCE SECTION 401.6.3



Turn Lane Length Computation Worksheet (Based on ODOT's Location Design Manual)

| ect Name: Oak Park | | Intersection: | Peachblo | Peachblow & Crownover Way | | | |
|--------------------|--|---------------|------------|---------------------------|------------------|---------|--|
| ct Number: | MIM - CT Consultants, Inc. | | Year: | 2045 | 2045 AM Build | | |
| oiled By: | | | Condition: | AM Build | | | |
| | | | | | | | |
| Genera | I Information: | | | | | | |
| | Approach | | WB | | | | |
| | Movement | | LT | | | | |
| | Peak Hour | | AM | | | | |
| Type of | Traffic Control | | | | | | |
| | Signalized | | NO | YES | YES | YES | |
| | Unsignalized Stopped Crossr | oad | NO | NO | NO | NO | |
| | Unsignalized Through Road | | YES | NO | NO | NO | |
| Design | Parameters | _ | - | | - | | |
| | Design Speed | 1 | 55 | | | | |
| | Turn Volume (vph) | | 11 | | | | |
| | Approach Volume (vph) | | 155 | | | | |
| | Turn Percentage | | 7% | #DIV/0! | #DIV/0! | #DIV/0! | |
| | High or Low | | LOW | #DIV/0! | #DIV/0! | #DIV/0! | |
| | Applicable Design Condition (A, B or C) | | В | А | Α | А | |
| | Cycle Length (sec) | | 60 | | | | |
| | Cycles/Hour | | 60 | #DIV/0! | #DIV/0! | #DIV/0! | |
| | Average Number of Vehicles/Cycle | | 1 | #DIV/0! | #DIV/0! | #DIV/0! | |
| | Storage Length (ft) | | 50 | #DIV/0! | #DIV/0! | #DIV/0! | |
| Design | Method | | • | | | | |
| | Condition A (Storage Only) | Taper | - | 50 | 50 | 50 | |
| | | Storage | - | #DIV/0! | #DIV/0! | #DIV/0! | |
| | | Total | - | #DIV/0! | #DIV/0! | #DIV/0! | |
| | Condition B (High Speed Decel Only) Condition C (Moderate Speed Deceleration & Storage) | Taper | 50 | - | - | - | |
| | | Decel Length | 235 | - | - | - | |
| | | Total | 285 | - | - | - | |
| | | Taper | - | - | - | - | |
| | | Decel Length | - | - | - | - | |
| | | Storage | - | - | - | - | |
| | | Total | - | - | - | - | |

285

Note: EB - Eastbound, WB - Westbound, NB - Northbound, SB - Southbound

Source: January 2006 ODOT L& D Manual-Volume I: 401 - 9E, 401 -10E

Required Turn Lane Length, including 50' taper (ft/lane) =

#DIV/0!

#DIV/0!

#DIV/0!

SIGNAL WARRANT WORKSHEET Warrant 2, Four-Hour Vehicular Volume Ohio MUTCD

| Intersection: Gler | nn Pkwy & Peachblow Rd | Year: | 2025 |
|--------------------|------------------------|------------|-----------|
| Project Name: Oak | Park | Condition: | Build |
| Project No.: | | Analyst: | ACD - MIM |

Section 4C.03 Warrant 2, Four-Hour Vehicular Volume

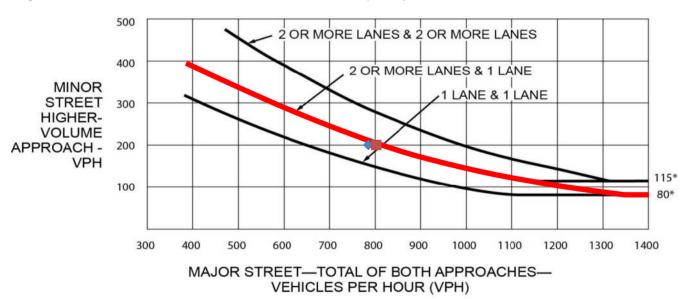
The Four-Hour Vehicular Volume signal warrant conditions are intended to be applied where the volume of intersecting traffic is the principal reason to consider installing a traffic control signal.

The need for a traffic control signal shall be considered if, for each of any 4 hours on an average day, the plotted points representing the vehicles per hour on the major street (total of both approaches) and the corresponding vehicles per hour on the higher-volume minor-street approach (one direction only) all fall above the applicable curve in Figure 4C-1 for the existing combination of approach lanes.

| | Major Street | Minor Street | |
|--------------|--------------|--------------|----------|
| Street Name | Glenn Pkwy | Peachblow | |
| No. of Lanes | 2+ | 1 | |
| Hour | Volume | e* (vph) | |
| 7-8AM | 785 | 201 | • |
| 5-6PM | 802 | 201 | |
| | | | • |
| | | | ^ |

Warrant 2 Met?

Figure 4C - 1. Warrant 2, Four-Hour Vehicular Volume (100%)



*Note: 115 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 80 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: January 2012 Ohio MUTCD, Part 4

^{*}Total of both approaches for major street, higher volume approach only for minor street

SIGNAL WARRANT WORKSHEET Warrant 3, Peak Hour Ohio MUTCD

| ntersection: Glenn Pkwy & Peachblow | Peachblow Year: | 2025 |
|-------------------------------------|-----------------|-----------|
| Project Name: Oak Park | Condition: | AM Build |
| Project No.: | Analyst: | ACD - MIM |

Section 4C.04 Warrant 3, Peak Hour

The Peak Hour signal warrant is intended for use at a location where traffic conditions are such that for a minimum of 1 hour of an average day, the minor-street traffic suffers undue delay when entering or crossing the major street.

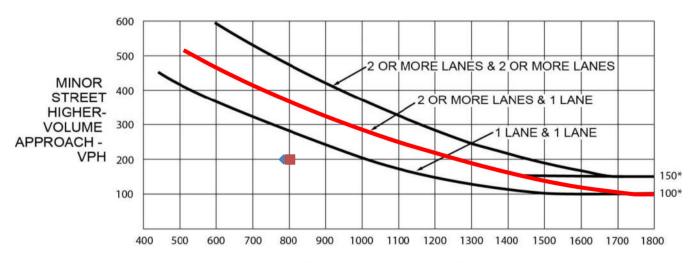
This signal warrant shall be applied only in unusual cases, such as office complexes, manufacturing plants, industrial complexes, or high-occupancy vehicle facilities that attract or discharge large numbers of vehicles over a short time.

The need for a traffic control signal shall be considered if the plotted point representing the vehicles per hour on the major street (total of both approaches) and the corresponding vehicles per hour on the higher-volume minor-street approach (one direction only) for 1 hour (any four consecutive 15-minute periods) of an average day falls above the applicable curve in Figure 4C-3 for the existing combination of approach lanes.

| | Major Street | Minor Street | Ī |
|--------------|--------------|--------------|----------|
| Street Name | Glenn Pkwy | Peachblow | |
| No. of Lanes | 2+ | 1 | |
| Hour | Volume | e* (vph) | |
| 7-8AM | 785 | 201 | • |
| 5-6PM | 802 | 201 | |
| | | | A |

Warrant 3 Met?

Figure 4C - 3. Warrant 3, Peak Hour (100%)



MAJOR STREET—TOTAL OF BOTH APPROACHES— VEHICLES PER HOUR (VPH)

*Note: 150 vph applies as the lower threshold volume for a minor-street approach with two or more lanes and 100 vph applies as the lower threshold volume for a minor-street approach with one lane.

Source: January 2012 Ohio MUTCD, Part 4

^{*}Total of both approaches for major street, higher volume approach only for minor street



HCS Signalized Intersection Results Summary يا على المطميلي إنمالي Intersection Information **General Information** Duration, h 0.250 Agency Analyst ACD - MIM Analysis Date 1/26/2024 Area Type Other PHF Jurisdiction ODOT D6 Time Period AM Peak 0.92 **Urban Street** US 23 Analysis Year 2025 **Analysis Period** 1> 7:00 US 23 & Glenn Pkwy File Name US23-Glenn AM No Build.xus Intersection **Project Description** 2025 AM Peak No Build WB **Demand Information** EB NB SB Approach Movement L R L R L R L R 305 Demand (v), veh/h 2 38 10 275 28 67 17 751 134 1554 11 Signal Information Ж JI. Cycle, s 120.0 Reference Phase 2 PAT ! Offset, s 0 Reference Point End Green 7.9 30.0 0.0 63.1 0.0 0.0 Uncoordinated No Simult. Gap E/W On Yellow 4.0 5.0 4.0 0.0 0.0 0.0 Force Mode Fixed Simult. Gap N/S 0.0 On Red 2.0 2.0 2.0 0.0 0.0 **Timer Results EBL EBT WBL WBT** NBL **NBT** SBL SBT **Assigned Phase** 4 8 2 6 1 Case Number 5.0 6.0 5.3 1.0 3.0 Phase Duration, s 36.0 36.0 70.1 13.9 84.0 Change Period, (Y+Rc), s 6.0 6.0 7.0 7.0 6.0 Max Allow Headway (MAH), s 3.2 3.2 0.0 2.9 0.0 Queue Clearance Time (g_s), s 8.0 29.2 6.1 Green Extension Time (g_e), s 0.9 8.0 0.0 0.2 0.0 Phase Call Probability 1.00 1.00 0.99 0.00 0.00 Max Out Probability 0.00 WB **Movement Group Results** EΒ NB SB Approach Movement L Т R L Т R Т R L Т R L **Assigned Movement** 7 4 14 3 8 18 5 2 12 1 6 16 Adjusted Flow Rate (v), veh/h 2 41 11 299 103 18 816 332 146 1689 12 1900 1610 1387 1686 296 1809 1810 1809 1610 Adjusted Saturation Flow Rate (s), veh/h/ln 1312 0.2 2.0 0.6 25.2 5.4 16.6 4.1 37.7 0.3 Queue Service Time (g_s), s 5.9 Cycle Queue Clearance Time (q c), s 6.0 2.0 0.6 27.2 5.9 29.3 16.6 4.1 37.7 0.3 0.25 0.25 0.25 0.25 Green Ratio (g/C) 0.25 0.53 0.53 0.61 0.64 0.64 475 Capacity (c), veh/h 325 403 385 422 157 1900 442 2320 1033 Volume-to-Capacity Ratio (X) 0.007 0.087 0.027 0.777 0.245 0.118 0.430 0.329 0.728 0.012 Back of Queue (Q), ft/ln (95 th percentile) 2.3 41.7 10.8 342.5 108.9 19.4 264.5 65.2 481.4 4.6 Back of Queue (Q), veh/ln (95 th percentile) 0.1 1.7 0.4 13.7 4.4 8.0 10.6 2.6 19.3 0.2 Queue Storage Ratio (RQ) (95 th percentile) 0.02 0.00 0.05 0.69 0.00 0.04 0.00 0.10 0.00 0.01 34.0 11.9 Uniform Delay (d 1), s/veh 38.3 34.5 44.9 35.9 29.1 17.5 14.5 7.8 Incremental Delay (d 2), s/veh 0.0 0.0 0.0 2.7 0.1 1.5 0.7 0.2 2.0 0.0 Initial Queue Delay (d 3), s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Control Delay (d), s/veh 38.3 34.5 34.0 47.5 36.0 30.6 18.2 0.0 12.0 16.5 7.8 Level of Service (LOS) D С С D D С В Α В В Α 34.6 С 44.6 13.2 В 16.1 В Approach Delay, s/veh / LOS D Intersection Delay, s/veh / LOS 18.7 В **Multimodal Results** ΕB WB NB Pedestrian LOS Score / LOS 2.45 В 2.45 В 1.90 2.07 В В Bicycle LOS Score / LOS 0.58 Α 1.15 Α 1.45 Α 2.01

HCS Signalized Intersection Results Summary يا على المطميلي إنمالي Intersection Information **General Information** Duration, h 0.250 Agency Analyst ACD - MIM Analysis Date 1/26/2024 Area Type Other PM Peak No Build PHF Jurisdiction ODOT D6 Time Period 0.92 **Urban Street** US 23 Analysis Year 2025 **Analysis Period** 1> 7:00 US 23 & Glenn Pkwy File Name US23-Glenn PM No Build.xus Intersection **Project Description** 2025 PM Peak No Build WB **Demand Information** EB NB SB Approach Movement L R L R L R R 27 306 65 Demand (v), veh/h 11 10 20 6 1364 398 43 922 4 Signal Information Ж JI. Cycle, s 120.0 Reference Phase 2 Offset, s 0 Reference Point End Green 6.3 62.7 31.9 0.0 0.0 0.0 Uncoordinated No Simult. Gap E/W On Yellow 4.0 5.0 4.0 0.0 0.0 0.0 Force Mode Fixed Simult. Gap N/S 0.0 On Red 2.0 2.0 2.0 0.0 0.0 **Timer Results EBL EBT WBL WBT** NBL **NBT** SBL SBT **Assigned Phase** 4 8 2 6 1 Case Number 5.0 6.0 5.3 1.0 3.0 Phase Duration, s 37.9 37.9 69.7 12.3 82.1 Change Period, (Y+Rc), s 6.0 6.0 7.0 7.0 6.0 Max Allow Headway (MAH), s 3.1 3.1 0.0 2.9 0.0 Queue Clearance Time (g_s), s 8.0 31.1 3.3 Green Extension Time (g_e), s 0.9 8.0 0.0 0.0 0.0 Phase Call Probability 1.00 1.00 0.79 0.00 0.00 0.00 Max Out Probability WB **Movement Group Results** EΒ NB SB Approach Movement L Т R L Т R Т R L Т R L **Assigned Movement** 7 4 14 3 8 18 5 2 12 1 6 16 Adjusted Flow Rate (v), veh/h 12 29 11 333 92 7 1483 433 47 1002 4 1325 1900 1610 1402 1670 571 1809 1810 1809 Adjusted Saturation Flow Rate (s), veh/h/ln 1610 8.0 0.6 27.8 5.2 0.7 39.8 1.3 17.2 0.1 Queue Service Time (g_s), s 1.4 Cycle Queue Clearance Time (g c), s 6.0 1.4 0.6 29.1 5.2 5.7 39.8 1.3 17.2 0.1 0.27 0.27 0.27 Green Ratio (g/C) 0.27 0.27 0.52 0.52 0.59 0.63 0.63 Capacity (c), veh/h 356 506 429 418 445 335 1891 224 2262 1007 Volume-to-Capacity Ratio (X) 0.034 0.058 0.025 0.796 0.208 0.019 0.784 0.209 0.443 0.004 Back of Queue (Q), ft/ln (95 th percentile) 12.4 28.8 10.6 378 94.5 4.4 558.8 21.1 252.8 1.8 Back of Queue (Q), veh/ln (95 th percentile) 0.5 1.2 0.4 15.1 3.8 0.2 22.4 8.0 10.1 0.1 Queue Storage Ratio (RQ) (95 th percentile) 0.08 0.00 0.05 0.76 0.00 0.01 0.00 0.03 0.00 0.00 Uniform Delay (d 1), s/veh 36.5 32.8 32.5 43.6 34.2 16.3 23.2 18.7 11.7 8.4 Incremental Delay (d 2), s/veh 0.0 0.0 0.0 4.1 0.1 0.1 3.3 0.2 0.6 0.0 Initial Queue Delay (d 3), s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Control Delay (d), s/veh 36.5 32.8 32.5 47.7 34.3 16.5 26.5 0.0 18.8 12.3 8.5 Level of Service (LOS) D С С D С В С Α В В Α 33.6 С 44.8 20.5 С 12.6 В Approach Delay, s/veh / LOS D Intersection Delay, s/veh / LOS 21.3 С **Multimodal Results** ΕB WB NB Pedestrian LOS Score / LOS 2.45 В 2.45 В 1.90 2.07 В В Bicycle LOS Score / LOS 0.57 Α 1.19 Α 2.07 В 1.36 Α

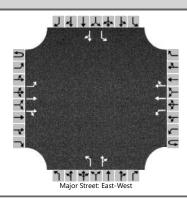
HCS Signalized Intersection Results Summary يا على المطميلي إنمالي Intersection Information **General Information** Agency Duration, h 0.250 Analyst ACD - MIM Analysis Date 1/26/2024 Area Type Other AM Peak No Build PHF Jurisdiction ODOT D6 Time Period 0.92 **Urban Street** US 23 Analysis Year 2025 **Analysis Period** 1> 7:00 US23-Greif AM No Build.xus US 23 & Greif Pkwy File Name Intersection **Project Description** 2025 AM Peak No Build WB **Demand Information** EB NB SB Approach Movement L R L R L R R 0 Demand (v), veh/h 12 23 0 0 1 150 1060 0 1 1782 56 Signal Information JI. Cycle, s 120.0 Reference Phase 2 Offset, s 0 Reference Point End Green 8.0 5.7 0.0 84.0 0.3 0.0 Uncoordinated No Simult. Gap E/W On Yellow 4.0 4.0 4.0 4.0 0.0 0.0 Force Mode Fixed Simult. Gap N/S On Red 1.5 1.5 1.5 1.5 0.0 0.0 **Timer Results EBL EBT WBL WBT** NBL **NBT** SBL SBT **Assigned Phase** 4 8 2 6 5 Case Number 10.0 12.0 1.0 3.0 5.3 Phase Duration, s 11.2 5.8 13.5 103.0 89.5 Change Period, (Y+Rc), s 5.5 5.5 5.5 5.5 5.5 Max Allow Headway (MAH), s 3.3 3.4 2.9 0.0 0.0 Queue Clearance Time (g_s), s 3.8 2.1 4.6 Green Extension Time (g_e), s 0.0 0.0 0.3 0.0 0.0 Phase Call Probability 0.72 0.04 1.00 0.00 0.00 0.00 Max Out Probability WB **Movement Group Results** EΒ NB SB Approach Movement L Т R L Т R L Т R Т R L **Assigned Movement** 7 4 14 3 8 18 5 2 12 1 6 16 Adjusted Flow Rate (v), veh/h 13 25 0 163 1152 0 1 1937 61 1757 1610 0 1810 1610 496 1809 1610 Adjusted Saturation Flow Rate (s), veh/h/ln 1809 0.4 0.0 2.6 0.0 0.1 1.4 Queue Service Time (g_s), s 1.8 10.5 41.5 Cycle Queue Clearance Time (q c), s 0.4 1.8 0.0 2.6 10.5 0.0 0.1 41.5 1.4 0.05 0.70 0.70 0.70 Green Ratio (g/C) 0.05 0.78 0.81 0.81 407 Capacity (c), veh/h 168 77 262 2938 1308 2532 1127 Volume-to-Capacity Ratio (X) 0.077 0.324 0.000 0.621 0.392 0.000 0.003 0.765 0.054 Back of Queue (Q), ft/ln (95 th percentile) 8.5 33.6 0 148.7 93.7 0 0.4 483.9 18.4 Back of Queue (Q), veh/ln (95 th percentile) 0.3 1.3 0.0 5.9 3.7 0.0 0.0 19.4 0.7 Queue Storage Ratio (RQ) (95 th percentile) 0.02 0.00 0.00 0.25 0.00 0.00 0.00 0.00 0.05 Uniform Delay (d 1), s/veh 54.6 55.2 23.2 3.1 0.0 5.4 11.6 5.6 Incremental Delay (d 2), s/veh 0.1 0.9 0.0 0.9 0.4 0.0 0.0 2.3 0.1 Initial Queue Delay (d 3), s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Control Delay (d), s/veh 54.7 56.1 24.1 3.5 0.0 5.4 13.9 5.7 Level of Service (LOS) D Ε С Α Α В Α 55.6 Ε 73.9 Ε 13.6 В Approach Delay, s/veh / LOS 6.1 Α Intersection Delay, s/veh / LOS 11.2 В **Multimodal Results** ΕB WB NB Pedestrian LOS Score / LOS 2.47 В 2.47 В 1.60 2.06 В В Bicycle LOS Score / LOS 0.55 Α 0.49 Α 1.57 В 2.14

HCS Signalized Intersection Results Summary يا على المطميلي إنمالي Intersection Information **General Information** Duration, h 0.250 Agency Analyst ACD-MIM Analysis Date 1/26/2024 Area Type Other PM Peak No Build PHF Jurisdiction ODOT D6 Time Period 0.92 **Urban Street** US 23 Analysis Year 2025 **Analysis Period** 1> 7:00 US23-Greif PM No Build.xus US 23 & Greif Pkwy File Name Intersection **Project Description** 2025 PM Peak No Build WB **Demand Information** EB NB SB Approach Movement L R L R L R R Demand (v), veh/h 57 0 72 0 0 1 60 1710 0 1 1220 17 **Signal Information** JI. Cycle, s 120.0 Reference Phase 2 Offset, s 0 Reference Point End Green 7.1 7.9 0.0 82.7 0.3 0.0 Uncoordinated No Simult. Gap E/W On Yellow 4.0 4.0 4.0 4.0 0.0 0.0 Force Mode Fixed Simult. Gap N/S On Red 1.5 1.5 1.5 1.5 0.0 0.0 **Timer Results EBL EBT WBL WBT** NBL **NBT** SBL SBT **Assigned Phase** 4 8 2 6 5 Case Number 10.0 12.0 1.0 3.0 5.3 Phase Duration, s 13.4 5.8 12.6 100.8 88.2 Change Period, (Y+Rc), s 5.5 5.5 5.5 5.5 5.5 Max Allow Headway (MAH), s 3.3 3.4 2.9 0.0 0.0 Queue Clearance Time (g_s), s 7.7 2.1 3.1 Green Extension Time (g_e), s 0.2 0.0 0.1 0.0 0.0 Phase Call Probability 0.99 0.04 0.89 0.00 0.00 0.00 Max Out Probability WB **Movement Group Results** EΒ NB SB Approach Movement L Т R L Т R Т R Т R L L **Assigned Movement** 7 4 14 3 8 18 5 2 12 1 6 16 Adjusted Flow Rate (v), veh/h 62 78 0 65 1859 0 1 1326 18 1757 1610 0 1810 1809 1610 251 1809 1610 Adjusted Saturation Flow Rate (s), veh/h/ln 2.0 5.7 0.0 1.1 26.1 0.0 0.2 21.6 0.4 Queue Service Time (g_s), s 21.6 Cycle Queue Clearance Time (q c), s 2.0 5.7 0.0 1.1 26.1 0.0 13.8 0.4 0.79 Green Ratio (g/C) 0.07 0.07 0.76 0.79 0.69 0.69 0.69 Capacity (c), veh/h 232 106 381 2873 1279 205 2493 1110 Volume-to-Capacity Ratio (X) 0.267 0.736 0.000 0.171 0.647 0.000 0.005 0.532 0.017 Back of Queue (Q), ft/ln (95 th percentile) 40.1 108.6 0 12 248.9 0 0.6 282.4 5.7 Back of Queue (Q), veh/ln (95 th percentile) 1.6 4.3 0.0 0.5 10.0 0.0 0.0 11.3 0.2 Queue Storage Ratio (RQ) (95 th percentile) 0.10 0.00 0.00 0.02 0.00 0.00 0.00 0.00 0.01 Uniform Delay (d 1), s/veh 53.3 55.0 6.2 5.2 0.0 10.8 9.2 5.9 Incremental Delay (d 2), s/veh 0.2 3.7 0.0 0.1 1.1 0.0 0.0 8.0 0.0 Initial Queue Delay (d 3), s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Control Delay (d), s/veh 53.5 58.7 6.3 6.4 0.0 10.9 10.0 5.9 Level of Service (LOS) D Ε Α Α В Α Α 56.4 Ε 73.9 Ε 6.4 9.9 Approach Delay, s/veh / LOS Α Α Intersection Delay, s/veh / LOS 9.8 Α **Multimodal Results** ΕB WB NB Pedestrian LOS Score / LOS 2.47 В 2.47 В 1.61 2.06 В В Bicycle LOS Score / LOS 0.72 Α 0.49 Α 2.07 В 1.60

HCS Signalized Intersection Results Summary ياط بالمؤملية أمالي Intersection Information **General Information** Duration, h 0.250 Agency Analyst ACD-MIM Analysis Date 1/26/2024 Area Type Other AM Peak No Build PHF Jurisdiction ODOT D6 Time Period 0.92 **Urban Street** US 23 Analysis Year 2025 **Analysis Period** 1> 7:00 US 23 & Shanahan Rd File Name US23-Shanahan AM No Build.xus Intersection **Project Description** 2025 AM Peak No Build WB **Demand Information** EB NB SB Approach Movement L R L R L R R 140 140 29 Demand (v), veh/h 64 98 147 56 1117 114 54 1759 45 **Signal Information** JI. Cycle, s 120.0 Reference Phase 2 TOTAL CONTRACT Offset, s 0 Reference Point End Green 6.9 7.2 13.3 0.0 69.8 0.8 Uncoordinated No Simult. Gap E/W On Yellow 4.0 4.0 4.0 0.0 0.0 4.0 Force Mode Fixed Simult. Gap N/S On Red 1.5 1.5 1.5 0.0 1.5 0.0 **Timer Results EBL EBT WBL WBT** NBL **NBT** SBL SBT **Assigned Phase** 4 3 8 5 2 6 7 1 Case Number 1.1 3.0 1.1 3.0 1.1 3.0 1.1 4.0 Phase Duration, s 12.7 18.8 13.5 19.6 12.4 75.3 12.4 75.2 5.5 5.5 5.5 5.5 5.5 5.5 Change Period, (Y+Rc), s 5.5 5.5 Max Allow Headway (MAH), s 3.1 3.2 3.1 3.2 2.9 0.0 2.9 0.0 Queue Clearance Time (g_s), s 6.0 12.4 8.2 11.7 3.5 3.5 Green Extension Time (g_e), s 0.0 0.9 0.1 0.9 0.1 0.0 0.1 0.0 Phase Call Probability 0.90 1.00 0.97 1.00 0.87 0.86 0.00 0.00 0.02 0.00 0.00 0.00 Max Out Probability **Movement Group Results** EΒ **WB** NB SB Approach Movement L Т R L Т R L Т R L Т R **Assigned Movement** 7 4 14 3 8 18 5 2 12 1 6 16 70 152 152 107 160 32 61 1214 124 59 980 980 Adjusted Flow Rate (v), veh/h Adjusted Saturation Flow Rate (s), veh/h/ln 1810 1900 1610 1810 1900 1610 1810 1809 1610 1810 1900 1883 4.0 10.4 6.2 9.7 2.0 1.5 25.4 3.5 54.6 Queue Service Time (g_s), s 9.3 1.5 53.6 Cycle Queue Clearance Time (q c), s 4.0 9.3 10.4 6.2 9.7 2.0 1.5 25.4 3.5 1.5 53.6 54.6 0.64 Green Ratio (g/C) 0.17 0.11 0.17 0.18 0.12 0.17 0.64 0.58 0.65 0.58 0.58 Capacity (c), veh/h 193 211 272 223 223 281 193 2105 1044 329 1104 1094 Volume-to-Capacity Ratio (X) 0.360 0.722 0.560 0.478 0.716 0.112 0.315 0.577 0.119 0.178 0.888 0.896 Back of Queue (Q), ft/ln (95 th percentile) 80.7 199.1 188.2 125.1 205.9 35.5 42.7 361.1 49.5 22.3 784.8 796 Back of Queue (Q), veh/ln (95 th percentile) 3.2 8.0 7.5 5.0 8.2 1.4 1.7 14.4 2.0 0.9 31.4 31.8 Queue Storage Ratio (RQ) (95 th percentile) 0.20 0.00 0.47 0.31 0.00 0.14 0.07 0.00 0.12 0.04 0.00 0.00 43.4 Uniform Delay (d 1), s/veh 51.6 45.8 43.5 51.0 41.7 24.8 15.8 8.0 11.7 21.8 22.0 Incremental Delay (d 2), s/veh 0.4 1.8 0.7 0.6 1.6 0.1 0.3 1.2 0.2 0.1 10.7 11.4 Initial Queue Delay (d 3), s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Control Delay (d), s/veh 43.8 53.3 46.5 44.1 52.6 41.7 25.1 17.0 8.3 11.8 32.4 33.4 Level of Service (LOS) D D D D D D С В Α В С С 48.8 D 48.4 D В 32.3 С Approach Delay, s/veh / LOS 16.5 Intersection Delay, s/veh / LOS 29.6 С **Multimodal Results** ΕB WB NB Pedestrian LOS Score / LOS 2.46 В 2.31 В 2.08 2.08 В В Bicycle LOS Score / LOS 1.10 Α 0.98 Α 1.64 В 2.15

HCS Signalized Intersection Results Summary ياط بالمؤملية أمالي Intersection Information **General Information** Duration, h 0.250 Agency Analyst ACD - MIM Analysis Date 1/26/2024 Area Type Other PHF Jurisdiction ODOT D6 Time Period PM No Build 0.92 **Urban Street** US 23 Analysis Year 2025 **Analysis Period** 1> 7:00 US 23 & Shanahan Rd File Name US23-Shanahan PM No Build.xus Intersection **Project Description** 2025 PM Peak No Build WB **Demand Information** EB NB SB Approach Movement L R L R L R R 144 47 Demand (v), veh/h 92 117 76 112 178 1631 122 49 1188 80 **Signal Information** JI. Cycle, s 120.0 Reference Phase 2 TOTAL CONTRACT Offset, s 0 Reference Point End Green 6.6 1.3 0.2 12.3 70.0 7.5 Uncoordinated No Simult. Gap E/W On Yellow 4.0 0.0 4.0 4.0 4.0 0.0 Force Mode Fixed Simult. Gap N/S On Red 1.5 0.0 1.5 1.5 0.0 1.5 **Timer Results EBL EBT WBL WBT** NBL **NBT** SBL SBT **Assigned Phase** 4 3 8 2 6 7 5 1 Case Number 1.1 3.0 1.1 3.0 1.1 3.0 1.1 4.0 Phase Duration, s 13.2 18.0 13.0 17.8 13.5 76.9 12.1 75.5 Change Period, (Y+Rc), s 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5 Max Allow Headway (MAH), s 3.1 3.2 3.1 3.2 2.9 0.0 2.9 0.0 Queue Clearance Time (g_s), s 7.9 11.7 6.8 9.4 7.0 3.3 Green Extension Time (g_e), s 0.1 0.8 0.1 0.8 0.3 0.0 0.1 0.0 Phase Call Probability 0.96 1.00 0.94 1.00 1.00 0.83 0.01 0.00 0.00 0.00 0.00 0.00 Max Out Probability **Movement Group Results** EΒ **WB** NB SB Approach Movement L Т R L Т R L Т R L Т R **Assigned Movement** 7 4 14 3 8 18 5 2 12 1 6 16 Adjusted Flow Rate (v), veh/h 100 157 127 83 122 51 193 1773 133 53 696 683 Adjusted Saturation Flow Rate (s), veh/h/ln 1810 1900 1610 1810 1900 1610 1810 1809 1610 1810 1900 1857 5.9 9.7 8.5 4.8 7.4 3.3 5.0 46.7 3.7 1.3 28.9 29.0 Queue Service Time (g_s), s Cycle Queue Clearance Time (q c), s 5.9 9.7 8.5 4.8 7.4 3.3 5.0 46.7 3.7 1.3 28.9 29.0 0.64 Green Ratio (g/C) 0.17 0.10 0.17 0.16 0.10 0.16 0.65 0.59 0.66 0.58 0.58 Capacity (c), veh/h 229 198 275 182 194 254 317 2152 1058 212 1109 1084 Volume-to-Capacity Ratio (X) 0.437 0.792 0.463 0.455 0.627 0.201 0.611 0.824 0.125 0.252 0.627 0.630 Back of Queue (Q), ft/ln (95 th percentile) 118.6 206.9 153.9 97.7 160.1 59.7 77.1 613.9 51.3 27.9 431.1 426.3 Back of Queue (Q), veh/ln (95 th percentile) 4.7 8.3 6.2 3.9 6.4 2.4 3.1 24.6 2.1 1.1 17.2 17.1 Queue Storage Ratio (RQ) (95 th percentile) 0.30 0.00 0.38 0.24 0.00 0.24 0.13 0.00 0.13 0.05 0.00 0.00 44.4 44.8 Uniform Delay (d 1), s/veh 52.5 44.5 51.7 44.0 15.0 19.3 7.7 19.7 16.4 16.4 Incremental Delay (d 2), s/veh 0.5 2.7 0.5 0.7 1.2 0.1 0.7 3.7 0.2 0.2 2.7 2.8 Initial Queue Delay (d 3), s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Control Delay (d), s/veh 44.9 55.2 45.3 45.1 52.9 44.1 15.8 23.0 7.9 19.9 19.1 19.2 Level of Service (LOS) D Ε D D D D В С Α В В В 49.2 48.6 D 21.4 С 19.2 Approach Delay, s/veh / LOS D В Intersection Delay, s/veh / LOS 24.9 С **Multimodal Results** ΕB WB NB Pedestrian LOS Score / LOS 2.47 В 2.31 В 2.08 2.08 В В Bicycle LOS Score / LOS 1.12 Α 0.91 Α 2.22 В 1.67

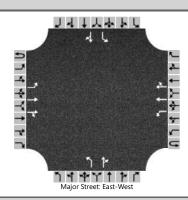
| HCS Two-Way Stop-Control Report | | | | | | | | | | | | |
|---------------------------------|---------------------------------|----------------------------|------------------------|--|--|--|--|--|--|--|--|--|
| General Information | | Site Information | | | | | | | | | | |
| Analyst | ACD - MIM | Intersection | Glenn Pkwy & Peachblow | | | | | | | | | |
| Agency/Co. | | Jurisdiction | ODOT D6 | | | | | | | | | |
| Date Performed | 3/4/2024 | East/West Street | Glenn Pkwy | | | | | | | | | |
| Analysis Year | 2025 | North/South Street | Peachblow | | | | | | | | | |
| Time Analyzed | AM Peak No Build | Peak Hour Factor | 0.92 | | | | | | | | | |
| Intersection Orientation | East-West | Analysis Time Period (hrs) | 0.25 | | | | | | | | | |
| Project Description | Peachblow Mixed Use Development | | | | | | | | | | | |



| Vehicle Volumes and Ad | justme | nts | | | | | | | | | | | | | | |
|---|--------|--------------------------------|--------|----|----|------|-----|----|------|------|-------|-------|------|------|------|------|
| Approach | Τ | Eastbound Westbound Northbound | | | | | | | | | South | bound | | | | |
| Movement | U | L | Т | R | U | L | Т | R | U | L | Т | R | U | L | Т | R |
| Priority | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 |
| Number of Lanes | 0 | 1 | 2 | 0 | 0 | 1 | 2 | 0 | | 1 | 1 | 0 | | 1 | 1 | 0 |
| Configuration | | L | Т | TR | | L | Т | TR | | L | | TR | | L | | TR |
| Volume (veh/h) | 0 | 226 | 154 | 97 | 0 | 30 | 211 | 48 | | 89 | 26 | 28 | | 3 | 4 | 70 |
| Percent Heavy Vehicles (%) | 3 | 3 | | | 3 | 3 | | | | 3 | 3 | 3 | | 3 | 3 | 3 |
| Proportion Time Blocked | | | | | | | | | | | | | | | | |
| Percent Grade (%) | | | | | | | | | | | 0 | | | | 0 | |
| Right Turn Channelized | | | | | | | | | | | | | | | | |
| Median Type Storage | | Undivided | | | | | | | | | | | | | | |
| Critical and Follow-up H | eadwa | ys | | | | | | | | | | | | | | |
| Base Critical Headway (sec) | Τ | 4.1 | | | | 4.1 | | | | 7.5 | 6.5 | 6.9 | | 7.5 | 6.5 | 6.9 |
| Critical Headway (sec) | | 4.16 | | | | 4.16 | | | | 7.56 | 6.56 | 6.96 | | 7.56 | 6.56 | 6.96 |
| Base Follow-Up Headway (sec) | | 2.2 | | | | 2.2 | | | | 3.5 | 4.0 | 3.3 | | 3.5 | 4.0 | 3.3 |
| Follow-Up Headway (sec) | | 2.23 | | | | 2.23 | | | | 3.53 | 4.03 | 3.33 | | 3.53 | 4.03 | 3.33 |
| Delay, Queue Length, an | d Leve | l of S | ervice | | | | | | | | | | | | | |
| Flow Rate, v (veh/h) | T | 246 | | | | 33 | | | | 97 | | 59 | | 3 | | 80 |
| Capacity, c (veh/h) | | 1271 | | | | 1280 | | | | 158 | | 299 | | 138 | | 715 |
| v/c Ratio | | 0.19 | | | | 0.03 | | | | 0.61 | | 0.20 | | 0.02 | | 0.11 |
| 95% Queue Length, Q ₉₅ (veh) | | 0.7 | | | | 0.1 | | | | 3.3 | | 0.7 | | 0.1 | | 0.4 |
| Control Delay (s/veh) | | 8.5 | | | | 7.9 | | | | 58.5 | | 20.0 | | 31.8 | | 10.7 |
| Level of Service (LOS) | | А | | | | А | | | | F | | С | | D | | В |
| Approach Delay (s/veh) | | 4 | .0 | | | 0 | .8 | • | 44.0 | | | | 11.5 | | | |
| Approach LOS | | , | A | | | | 4 | | | | E | | | I | В | |

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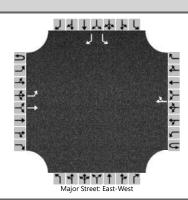
| HCS Two-Way Stop-Control Report | | | | | | | | | | | | |
|---------------------------------|---------------------------------|----------------------------|------------------------|--|--|--|--|--|--|--|--|--|
| General Information | | Site Information | | | | | | | | | | |
| Analyst | ACD - MIM | Intersection | Glenn Pkwy & Peachblow | | | | | | | | | |
| Agency/Co. | | Jurisdiction | ODOT D6 | | | | | | | | | |
| Date Performed | 3/4/2024 | East/West Street | Glenn Pkwy | | | | | | | | | |
| Analysis Year | 2025 | North/South Street | Peachblow | | | | | | | | | |
| Time Analyzed | PM Peak No Build | Peak Hour Factor | 0.92 | | | | | | | | | |
| Intersection Orientation | East-West | Analysis Time Period (hrs) | 0.25 | | | | | | | | | |
| Project Description | Peachblow Mixed Use Development | | | | | | | | | | | |



| Vehicle Volumes and Adj | ustme | nts | | | | | | | | | | | | | | | | |
|---|--------|---------------------|--------|-----|-----|------|-----|------|-------|-------|------|------|------------|------|------|------|--|--|
| Approach | | Eastbound Westbound | | | | | | | North | bound | | | Southbound | | | | | |
| Movement | U | L | Т | R | U | L | Т | R | U | L | Т | R | U | L | Т | R | | |
| Priority | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 | | |
| Number of Lanes | 0 | 1 | 2 | 0 | 0 | 1 | 2 | 0 | | 1 | 1 | 0 | | 1 | 1 | 0 | | |
| Configuration | | L | Т | TR | | L | Т | TR | | L | | TR | | L | | TR | | |
| Volume (veh/h) | 0 | 47 | 306 | 115 | 0 | 22 | 235 | 3 | | 139 | 1 | 17 | | 3 | 7 | 17 | | |
| Percent Heavy Vehicles (%) | 3 | 3 | | | 3 | 3 | | | | 3 | 3 | 3 | | 3 | 3 | 3 | | |
| Proportion Time Blocked | | | | | | | | | | | | | | | | | | |
| Percent Grade (%) | | | | | | | | | | (|) | | | (| 0 | | | |
| Right Turn Channelized | | | | | | | | | | | | | | | | | | |
| Median Type Storage | | Undivided | | | | | | | | | | | | | | | | |
| Critical and Follow-up H | eadwa | ys | | | | | | | | | | | | | | | | |
| Base Critical Headway (sec) | | 4.1 | | | | 4.1 | | | | 7.5 | 6.5 | 6.9 | | 7.5 | 6.5 | 6.9 | | |
| Critical Headway (sec) | | 4.16 | | | | 4.16 | | | | 7.56 | 6.56 | 6.96 | | 7.56 | 6.56 | 6.96 | | |
| Base Follow-Up Headway (sec) | | 2.2 | | | | 2.2 | | | | 3.5 | 4.0 | 3.3 | | 3.5 | 4.0 | 3.3 | | |
| Follow-Up Headway (sec) | | 2.23 | | | | 2.23 | | | | 3.53 | 4.03 | 3.33 | | 3.53 | 4.03 | 3.33 | | |
| Delay, Queue Length, an | d Leve | l of S | ervice | | | | | | | | | | | | | | | |
| Flow Rate, v (veh/h) | | 51 | | | | 24 | | | | 151 | | 20 | | 3 | | 26 | | |
| Capacity, c (veh/h) | | 1296 | | | | 1093 | | | | 301 | | 707 | | 329 | | 535 | | |
| v/c Ratio | | 0.04 | | | | 0.02 | | | | 0.50 | | 0.03 | | 0.01 | | 0.05 | | |
| 95% Queue Length, Q ₉₅ (veh) | | 0.1 | | | | 0.1 | | | | 2.6 | | 0.1 | | 0.0 | | 0.2 | | |
| Control Delay (s/veh) | | 7.9 | | | | 8.4 | | | | 28.4 | | 10.2 | | 16.0 | | 12.1 | | |
| Level of Service (LOS) | | А | | | | Α | | | | D | | В | | С | | В | | |
| Approach Delay (s/veh) | | 0 | .8 | | 0.7 | | | 26.3 | | | | 12.5 | | | | | | |
| Approach LOS | | , | Ą | | | , | 4 | | | [|) | | | ı | В | | | |

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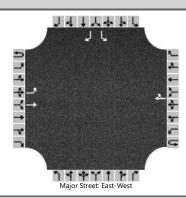
| HCS Two-Way Stop-Control Report | | | | | | | | | | | | |
|---------------------------------|---------------------------------|----------------------------|---------------------------|--|--|--|--|--|--|--|--|--|
| General Information | | Site Information | | | | | | | | | | |
| Analyst | ACD - MIM | Intersection | Peachblow & Crownover Way | | | | | | | | | |
| Agency/Co. | | Jurisdiction | ODOT D6 | | | | | | | | | |
| Date Performed | 3/4/2024 | East/West Street | Peachblow | | | | | | | | | |
| Analysis Year | 2025 | North/South Street | Crownover | | | | | | | | | |
| Time Analyzed | AM Peak No Build | Peak Hour Factor | 0.92 | | | | | | | | | |
| Intersection Orientation | East-West | Analysis Time Period (hrs) | 0.25 | | | | | | | | | |
| Project Description | Peachblow Mixed Use Development | | | | | | | | | | | |



| Vehicle Volumes and Adj | ustme | nts | | | | | | | | | | | | | | | |
|---|--------|---------|--------|------|-------|-----------|-----|----|---|-------|-------|---|------------|------|----|------|--|
| Approach | | Eastb | ound | | | Westbound | | | | North | bound | | Southbound | | | | |
| Movement | U | L | Т | R | U | L | Т | R | U | L | Т | R | U | L | Т | R | |
| Priority | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 | |
| Number of Lanes | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | | 0 | 0 | 0 | | 1 | 0 | 1 | |
| Configuration | | L | Т | | | | | TR | | | | | | L | | R | |
| Volume (veh/h) | | 10 | 121 | | | | 100 | 25 | | | | | | 31 | | 43 | |
| Percent Heavy Vehicles (%) | | 3 | | | | | | | | | | | | 3 | | 3 | |
| Proportion Time Blocked | | | | | | | | | | | | | | | | | |
| Percent Grade (%) | | | | | | | | | | | | | | (| 0 | | |
| Right Turn Channelized | | | | | | | | | | | | | | Ν | lo | | |
| Median Type Storage | | | | Undi | vided | | | | | | | | | | | | |
| Critical and Follow-up He | eadwa | ys | | | | | | | | | | | | | | | |
| Base Critical Headway (sec) | | 4.1 | | | | | | | | | | | | 7.1 | | 6.2 | |
| Critical Headway (sec) | | 4.13 | | | | | | | | | | | | 6.43 | | 6.23 | |
| Base Follow-Up Headway (sec) | | 2.2 | | | | | | | | | | | | 3.5 | | 3.3 | |
| Follow-Up Headway (sec) | | 2.23 | | | | | | | | | | | | 3.53 | | 3.33 | |
| Delay, Queue Length, and | d Leve | l of Se | ervice | | | | | | | | | | | | | | |
| Flow Rate, v (veh/h) | | 11 | | | | | | | | | | | | 34 | | 47 | |
| Capacity, c (veh/h) | | 1442 | | | | | | | | | | | | 707 | | 926 | |
| v/c Ratio | | 0.01 | | | | | | | | | | | | 0.05 | | 0.05 | |
| 95% Queue Length, Q ₉₅ (veh) | | 0.0 | | | | | | | | | | | | 0.1 | | 0.2 | |
| Control Delay (s/veh) | | 7.5 | | | | | | | | | | | | 10.3 | | 9.1 | |
| Level of Service (LOS) | | А | | | | | | | | | | | | В | | А | |
| Approach Delay (s/veh) | | 0.6 | | | | | | | | | | | 9.6 | | | | |
| Approach LOS | | , | 4 | | | | | | | | | | А | | | | |

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| HCS Two-Way Stop-Control Report | | | | | | | | | | | | |
|---------------------------------|---------------------------------|----------------------------|---------------------------|--|--|--|--|--|--|--|--|--|
| General Information | | Site Information | | | | | | | | | | |
| Analyst | ACD - MIM | Intersection | Peachblow & Crownover Way | | | | | | | | | |
| Agency/Co. | | Jurisdiction | ODOT D6 | | | | | | | | | |
| Date Performed | 3/4/2024 | East/West Street | Peachblow | | | | | | | | | |
| Analysis Year | 2025 | North/South Street | Crownover | | | | | | | | | |
| Time Analyzed | PM Peak No Build | Peak Hour Factor | 0.92 | | | | | | | | | |
| Intersection Orientation | East-West | Analysis Time Period (hrs) | 0.25 | | | | | | | | | |
| Project Description | Peachblow Mixed Use Development | | | | | | | | | | | |



| Vehicle Volumes and Ad | justme | nts | | | | | | | | | | | | | | | |
|---|--------|-----------|--------|---|----|------|-------|----|---|-------|-------|---|------|-------|-------|------|--|
| Approach | T | Eastk | oound | | | West | bound | | | North | bound | | | South | bound | | |
| Movement | U | L | Т | R | U | L | Т | R | U | L | Т | R | U | L | Т | R | |
| Priority | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 | |
| Number of Lanes | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | | 0 | 0 | 0 | | 1 | 0 | 1 | |
| Configuration | | L | Т | | | | | TR | | | | | | L | | R | |
| Volume (veh/h) | | 21 | 123 | | | | 151 | 30 | | | | | | 28 | | 6 | |
| Percent Heavy Vehicles (%) | | 3 | | | | | | | | | | | | 3 | | 3 | |
| Proportion Time Blocked | | | | | | | | | | | | | | | | | |
| Percent Grade (%) | | | | | | | | | | | | | | | 0 | | |
| Right Turn Channelized | | | | | | | | | | | | | No | | | | |
| Median Type Storage | | Undivided | | | | | | | | | | | | | | | |
| Critical and Follow-up H | eadwa | ys | | | | | | | | | | | | | | | |
| Base Critical Headway (sec) | T | 4.1 | | | | | | | | | | | | 7.1 | | 6.2 | |
| Critical Headway (sec) | | 4.13 | | | | | | | | | | | | 6.43 | | 6.23 | |
| Base Follow-Up Headway (sec) | | 2.2 | | | | | | | | | | | | 3.5 | | 3.3 | |
| Follow-Up Headway (sec) | | 2.23 | | | | | | | | | | | | 3.53 | | 3.33 | |
| Delay, Queue Length, an | d Leve | l of S | ervice | | | | | | | | | | | | | | |
| Flow Rate, v (veh/h) | Т | 23 | | | | | | | | | | | | 30 | | 7 | |
| Capacity, c (veh/h) | | 1370 | | | | | | | | | | | | 626 | | 860 | |
| v/c Ratio | | 0.02 | | | | | | | | | | | | 0.05 | | 0.01 | |
| 95% Queue Length, Q ₉₅ (veh) | | 0.1 | | | | | | | | | | | | 0.2 | | 0.0 | |
| Control Delay (s/veh) | | 7.7 | | | | | | | | | | | | 11.0 | | 9.2 | |
| Level of Service (LOS) | | А | | | | | | | | | | | | В | | Α | |
| Approach Delay (s/veh) | | 1 | .1 | | | | | | | | | | 10.7 | | | | |
| Approach LOS | | | A | | | | | | | | | | | | В | | |

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HCS Signalized Intersection Results Summary يا على المطميلي إنمالي Intersection Information **General Information** Agency Duration, h 0.250 Analyst ACD - MIM Analysis Date 1/26/2024 Area Type Other PHF Jurisdiction ODOT D6 Time Period AM Peak Build 0.92 **Urban Street** US 23 Analysis Year 2025 **Analysis Period** 1> 7:00 US 23 & Glenn Pkwy File Name US23-Glenn AM Build.xus Intersection **Project Description** 2025 AM Peak Build WB **Demand Information** EB NB SB Approach Movement L R L R L R L R 310 28 90 Demand (v), veh/h 2 38 10 17 751 316 142 1554 11 **Signal Information** Ж JI. Cycle, s 120.0 Reference Phase 2 PAT T Offset, s 0 Reference Point End Green 8.0 33.2 0.0 59.8 0.0 0.0 Uncoordinated No Simult. Gap E/W On Yellow 4.0 5.0 4.0 0.0 0.0 0.0 Force Mode Fixed Simult. Gap N/S 0.0 On Red 2.0 2.0 2.0 0.0 0.0 **Timer Results EBL EBT WBL WBT** NBL **NBT** SBL SBT **Assigned Phase** 4 8 2 6 1 Case Number 5.0 6.0 5.3 1.0 3.0 Phase Duration, s 39.2 39.2 66.8 14.0 8.08 Change Period, (Y+Rc), s 6.0 6.0 7.0 6.0 7.0 Max Allow Headway (MAH), s 3.2 3.2 0.0 2.9 0.0 Queue Clearance Time (g_s), s 9.3 32.3 6.7 Green Extension Time (g_e), s 1.0 0.9 0.0 0.2 0.0 Phase Call Probability 1.00 1.00 0.99 0.00 0.01 Max Out Probability 0.00 WB **Movement Group Results** EΒ NB SB Approach Movement L Т R L Т R Т R L Т R L **Assigned Movement** 7 4 14 3 8 18 5 2 12 1 6 16 Adjusted Flow Rate (v), veh/h 2 41 11 337 128 18 816 343 154 1689 12 1282 1900 1610 1387 1671 296 1809 1810 1809 1610 Adjusted Saturation Flow Rate (s), veh/h/ln 0.2 0.6 28.4 7.2 5.8 17.5 4.7 0.3 Queue Service Time (g_s), s 1.9 40.5 Cycle Queue Clearance Time (q c), s 7.3 1.9 0.6 30.3 7.2 32.4 17.5 4.7 40.5 0.3 0.28 0.28 0.28 0.28 Green Ratio (g/C) 0.28 0.50 0.50 0.58 0.61 0.61 Capacity (c), veh/h 338 526 446 422 462 142 1804 419 2225 990 Volume-to-Capacity Ratio (X) 0.006 0.079 0.024 0.798 0.277 0.130 0.453 0.368 0.759 0.012 Back of Queue (Q), ft/ln (95 th percentile) 2.3 40 10.4 383.7 131.8 21.2 280.4 76.3 527.7 5.1 Back of Queue (Q), veh/ln (95 th percentile) 0.1 1.6 0.4 15.3 5.3 8.0 11.2 3.1 21.1 0.2 Queue Storage Ratio (RQ) (95 th percentile) 0.02 0.00 0.05 0.77 0.00 0.04 0.00 0.12 0.00 0.01 31.6 Uniform Delay (d 1), s/veh 36.8 32.1 43.3 34.0 33.5 19.5 13.6 16.7 9.0 Incremental Delay (d 2), s/veh 0.0 0.0 0.0 4.7 0.1 1.9 8.0 0.2 2.5 0.0 Initial Queue Delay (d 3), s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Control Delay (d), s/veh 36.8 32.1 31.6 48.0 34.1 35.4 20.3 0.0 13.8 19.2 9.0 Level of Service (LOS) D С С D С D С Α В В Α 14.6 32.2 С 44.2 В 18.7 В Approach Delay, s/veh / LOS D Intersection Delay, s/veh / LOS 20.9 С **Multimodal Results** ΕB WB NB Pedestrian LOS Score / LOS 2.45 В 2.45 В 2.08 1.91 В В Bicycle LOS Score / LOS 0.58 Α 1.26 Α 1.46 Α 2.02

HCS Signalized Intersection Results Summary يا على المطميلي إنمالي Intersection Information **General Information** Agency Duration, h 0.250 Analyst ACD - MIM Analysis Date 1/26/2024 Area Type Other PHF Jurisdiction ODOT D6 Time Period PM pEak Build 0.92 **Urban Street** US 23 Analysis Year 2025 **Analysis Period** 1> 7:00 US 23 & Glenn Pkwy File Name US23-Glenn PM Build.xus Intersection **Project Description** 2025 PM Peak Build WB **Demand Information** EB NB SB Approach Movement L R L R L R L R 27 332 83 1364 442 Demand (v), veh/h 11 10 20 6 73 922 4 **Signal Information** Ж JI. Cycle, s 120.0 Reference Phase 2 PAT T Offset, s 0 Reference Point End Green 7.4 34.3 0.0 59.3 0.0 0.0 Uncoordinated No Simult. Gap E/W On Yellow 4.0 5.0 4.0 0.0 0.0 0.0 Force Mode Fixed Simult. Gap N/S 0.0 On Red 2.0 2.0 2.0 0.0 0.0 **Timer Results EBL EBT WBL WBT** NBL **NBT** SBL SBT **Assigned Phase** 4 8 2 6 1 Case Number 5.0 6.0 5.3 1.0 3.0 Phase Duration, s 40.3 40.3 66.3 13.4 79.7 Change Period, (Y+Rc), s 6.0 6.0 7.0 6.0 7.0 Max Allow Headway (MAH), s 3.1 3.1 0.0 2.9 0.0 Queue Clearance Time (g_s), s 9.0 33.4 4.4 Green Extension Time (g_e), s 1.0 8.0 0.0 0.1 0.0 Phase Call Probability 1.00 1.00 0.93 0.00 0.01 Max Out Probability 0.00 WB **Movement Group Results** EΒ NB SB Approach Movement L Т R L Т R Т R L Т R L **Assigned Movement** 7 4 14 3 8 18 5 2 12 1 6 16 Adjusted Flow Rate (v), veh/h 12 29 11 361 112 7 1483 480 79 1002 4 1301 1610 1402 1659 571 1809 1810 1809 Adjusted Saturation Flow Rate (s), veh/h/ln 1900 1610 0.9 1.3 0.6 6.2 8.0 42.2 2.4 0.1 Queue Service Time (g_s), s 30.1 18.1 5.5 Cycle Queue Clearance Time (g c), s 7.0 1.3 0.6 31.4 6.2 42.2 2.4 18.1 0.1 0.29 0.29 0.29 0.29 0.29 Green Ratio (g/C) 0.49 0.49 0.57 0.61 0.61 543 474 Capacity (c), veh/h 365 460 446 319 1786 223 2191 975 Volume-to-Capacity Ratio (X) 0.033 0.054 0.024 0.810 0.236 0.020 0.830 0.355 0.457 0.004 Back of Queue (Q), ft/ln (95 th percentile) 12.2 27.8 10.2 408.5 112.2 4.7 604.1 39.1 268.5 1.9 Back of Queue (Q), veh/ln (95 th percentile) 0.5 1.1 0.4 16.3 4.5 0.2 24.2 1.6 10.7 0.1 Queue Storage Ratio (RQ) (95 th percentile) 0.08 0.00 0.05 0.82 0.00 0.01 0.00 0.06 0.00 0.00 Uniform Delay (d 1), s/veh 35.5 31.1 30.8 42.5 32.8 18.1 26.1 21.9 12.9 9.4 Incremental Delay (d 2), s/veh 0.0 0.0 0.0 5.6 0.1 0.1 4.6 0.4 0.7 0.0 Initial Queue Delay (d 3), s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Control Delay (d), s/veh 35.5 31.1 30.8 48.1 32.9 18.2 30.7 0.0 22.3 13.6 9.4 Level of Service (LOS) D С С D С В С Α С В Α 32.0 С 44.5 23.2 С 14.2 В Approach Delay, s/veh / LOS D Intersection Delay, s/veh / LOS 23.4 С **Multimodal Results** ΕB WB NB Pedestrian LOS Score / LOS 2.45 В 2.45 В 2.08 1.91 В В Bicycle LOS Score / LOS 0.57 Α 1.27 Α 2.11 В 1.38 Α

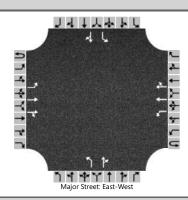
HCS Signalized Intersection Results Summary يا على المطميلي إنمالي Intersection Information **General Information** Agency Duration, h 0.250 Analyst ACD - MIN Analysis Date 1/26/2024 Area Type Other ODOT D6 PHF Jurisdiction Time Period AM Peak Build 0.92 **Urban Street** US 23 Analysis Year 2025 **Analysis Period** 1> 7:00 US23-Greif AM Build.xus US 23 & Greif Pkwy File Name Intersection **Project Description** 2025 AM Peak Build WB **Demand Information** EB NB SB Approach Movement L R L R L R R 0 Demand (v), veh/h 12 23 0 0 1 150 1071 0 1 1817 56 **Signal Information** JI. Cycle, s 120.0 Reference Phase 2 Offset, s 0 Reference Point End Green 8.0 5.7 0.0 84.0 0.3 0.0 Uncoordinated No Simult. Gap E/W On Yellow 4.0 4.0 4.0 4.0 0.0 0.0 Force Mode Fixed Simult. Gap N/S On Red 1.5 1.5 1.5 1.5 0.0 0.0 **Timer Results EBL EBT WBL WBT** NBL **NBT** SBL SBT **Assigned Phase** 4 8 2 6 5 Case Number 10.0 12.0 1.0 3.0 5.3 Phase Duration, s 11.2 5.8 13.5 103.0 89.5 Change Period, (Y+Rc), s 5.5 5.5 5.5 5.5 5.5 Max Allow Headway (MAH), s 3.3 3.4 2.9 0.0 0.0 Queue Clearance Time (g_s), s 3.8 2.1 4.6 Green Extension Time (g_e), s 0.0 0.0 0.3 0.0 0.0 Phase Call Probability 0.72 0.04 1.00 0.00 0.00 0.00 Max Out Probability WB **Movement Group Results** EΒ NB SB Approach Movement L Т R L Т R L Т R Т R L **Assigned Movement** 7 4 14 3 8 18 5 2 12 1 6 16 Adjusted Flow Rate (v), veh/h 13 25 0 163 1164 0 1 1975 61 1757 1610 0 1810 1809 1610 490 1809 1610 Adjusted Saturation Flow Rate (s), veh/h/ln 0.4 0.0 2.6 10.7 0.0 0.1 1.4 Queue Service Time (g_s), s 1.8 43.3 Cycle Queue Clearance Time (q c), s 0.4 1.8 0.0 2.6 10.7 0.0 0.1 43.3 1.4 0.05 0.70 0.70 0.70 Green Ratio (g/C) 0.05 0.78 0.81 0.81 403 Capacity (c), veh/h 168 77 256 2938 1308 2532 1127 Volume-to-Capacity Ratio (X) 0.077 0.324 0.000 0.637 0.396 0.000 0.003 0.780 0.054 Back of Queue (Q), ft/ln (95 th percentile) 8.5 33.6 0 148.9 94 0 0.4 501 18.4 Back of Queue (Q), veh/ln (95 th percentile) 0.3 1.3 0.0 6.0 3.8 0.0 0.0 20.0 0.7 Queue Storage Ratio (RQ) (95 th percentile) 0.02 0.00 0.00 0.25 0.00 0.00 0.00 0.00 0.05 Uniform Delay (d 1), s/veh 54.6 55.2 24.5 3.1 0.0 5.4 11.9 5.6 Incremental Delay (d 2), s/veh 0.1 0.9 0.0 1.0 0.4 0.0 0.0 2.5 0.1 Initial Queue Delay (d 3), s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Control Delay (d), s/veh 54.7 56.1 25.4 3.5 0.0 5.4 14.4 5.7 Level of Service (LOS) D Ε С Α Α В Α 55.6 Ε 73.9 Ε 6.2 14.1 В Approach Delay, s/veh / LOS Α Intersection Delay, s/veh / LOS 11.5 В **Multimodal Results** ΕB WB NB Pedestrian LOS Score / LOS 2.47 В 2.47 В 1.60 2.06 В В Bicycle LOS Score / LOS 0.55 Α 0.49 Α 1.58 В 2.17

HCS Signalized Intersection Results Summary يا على المطميلي إنمالي Intersection Information **General Information** Agency Duration, h 0.250 Analyst ACD-MIM Analysis Date 1/26/2024 Area Type Other PHF Jurisdiction ODOT D6 Time Period PM Peak Build 0.92 **Urban Street** US 23 Analysis Year 2025 **Analysis Period** 1> 7:00 US 23 & Greif Pkwy File Name US23-Greif PM Build.xus Intersection **Project Description** 2025 PM Peak Build WB **Demand Information** EB NB SB Approach Movement L R L R L R R Demand (v), veh/h 57 0 72 0 0 1 60 1754 0 1 1246 17 **Signal Information** JI. Cycle, s 120.0 Reference Phase 2 Offset, s 0 Reference Point End Green 7.1 7.9 0.0 82.7 0.3 0.0 Uncoordinated No Simult. Gap E/W On Yellow 4.0 4.0 4.0 4.0 0.0 0.0 Force Mode Fixed Simult. Gap N/S On Red 1.5 1.5 1.5 1.5 0.0 0.0 **Timer Results EBL EBT WBL WBT** NBL **NBT** SBL SBT **Assigned Phase** 4 8 2 6 5 Case Number 10.0 12.0 1.0 3.0 5.3 Phase Duration, s 13.4 5.8 12.6 100.8 88.2 Change Period, (Y+Rc), s 5.5 5.5 5.5 5.5 5.5 Max Allow Headway (MAH), s 3.3 3.4 2.9 0.0 0.0 Queue Clearance Time (g_s), s 7.7 2.1 3.1 Green Extension Time (g_e), s 0.2 0.0 0.1 0.0 0.0 Phase Call Probability 0.99 0.04 0.89 0.00 0.00 0.00 Max Out Probability WB **Movement Group Results** EΒ NB SB Approach Movement L Т R L Т R L Т R Т R L **Assigned Movement** 7 4 14 3 8 18 5 2 12 1 6 16 Adjusted Flow Rate (v), veh/h 62 78 0 65 1907 0 1 1354 18 1757 1610 0 1810 1809 1610 240 1809 1610 Adjusted Saturation Flow Rate (s), veh/h/ln 2.0 5.7 0.0 1.1 27.5 0.0 0.2 22.3 0.4 Queue Service Time (g_s), s Cycle Queue Clearance Time (q c), s 2.0 5.7 0.0 1.1 27.5 0.0 15.2 22.3 0.4 0.79 0.69 Green Ratio (g/C) 0.07 0.07 0.76 0.79 0.69 0.69 Capacity (c), veh/h 232 106 372 2873 1279 195 2493 1110 Volume-to-Capacity Ratio (X) 0.267 0.736 0.000 0.175 0.664 0.000 0.006 0.543 0.017 Back of Queue (Q), ft/ln (95 th percentile) 40.1 108.6 0 12 260 0 0.6 289.4 5.7 Back of Queue (Q), veh/ln (95 th percentile) 1.6 4.3 0.0 0.5 10.4 0.0 0.0 11.6 0.2 Queue Storage Ratio (RQ) (95 th percentile) 0.10 0.00 0.00 0.02 0.00 0.00 0.00 0.00 0.01 Uniform Delay (d 1), s/veh 53.3 55.0 6.4 5.4 0.0 11.4 9.3 5.9 Incremental Delay (d 2), s/veh 0.2 3.7 0.0 0.1 1.2 0.0 0.1 0.9 0.0 Initial Queue Delay (d 3), s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Control Delay (d), s/veh 53.5 58.7 6.5 6.6 0.0 11.5 10.1 5.9 Level of Service (LOS) D Ε Α Α В В Α 56.4 Ε 73.9 Ε 10.1 В Approach Delay, s/veh / LOS 6.6 Α Intersection Delay, s/veh / LOS 10.0 Α **Multimodal Results** ΕB WB NB Pedestrian LOS Score / LOS 2.47 В 2.47 В 1.61 2.06 В В Bicycle LOS Score / LOS 0.72 Α 0.49 Α 2.11 В 1.62

HCS Signalized Intersection Results Summary ياط بالمؤملية أمالي Intersection Information **General Information** Duration, h 0.250 Agency Analyst ACD-MIM Analysis Date 1/26/2024 Area Type Other PHF Jurisdiction ODOT D6 Time Period AM Peak Build 0.92 **Urban Street** US 23 Analysis Year 2025 **Analysis Period** 1> 7:00 US 23 & Shanahan Rd File Name US23-Shanahan AM Build.xus Intersection **Project Description** 2025 AM Peak Build WB **Demand Information** EB NB SB Approach Movement L R L R L R R 140 140 29 Demand (v), veh/h 64 98 147 56 1128 114 54 1794 45 **Signal Information** JI. Cycle, s 120.0 Reference Phase 2 TOTAL CONTRACT Offset, s 0 Reference Point End Green 6.9 7.2 13.3 0.0 69.8 0.8 Uncoordinated No Simult. Gap E/W On Yellow 4.0 4.0 4.0 0.0 0.0 4.0 Force Mode Fixed Simult. Gap N/S On Red 1.5 1.5 1.5 0.0 1.5 0.0 **Timer Results EBL EBT WBL WBT** NBL **NBT** SBL SBT **Assigned Phase** 4 3 8 5 2 6 7 1 Case Number 1.1 3.0 1.1 3.0 1.1 3.0 1.1 4.0 Phase Duration, s 12.7 18.8 13.5 19.6 12.4 75.3 12.4 75.2 Change Period, (Y+Rc), s 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5 Max Allow Headway (MAH), s 3.1 3.2 3.1 3.2 2.9 0.0 2.9 0.0 Queue Clearance Time (g_s), s 6.0 12.4 8.2 11.7 3.5 3.5 Green Extension Time (g_e), s 0.0 0.9 0.1 0.9 0.1 0.0 0.1 0.0 Phase Call Probability 0.90 1.00 0.97 1.00 0.87 0.86 0.00 0.00 0.02 0.00 0.00 0.00 Max Out Probability **Movement Group Results** EΒ WB NB SB Approach Movement L Т R L Т R L Т R L Т R **Assigned Movement** 7 4 14 3 8 18 5 2 12 1 6 16 Adjusted Flow Rate (v), veh/h 70 152 152 107 160 32 61 1226 124 59 999 999 Adjusted Saturation Flow Rate (s), veh/h/ln 1810 1900 1610 1810 1900 1610 1810 1809 1610 1810 1900 1883 4.0 10.4 6.2 9.7 2.0 1.5 25.7 3.5 56.8 Queue Service Time (g_s), s 9.3 1.5 55.8 Cycle Queue Clearance Time (q c), s 4.0 9.3 10.4 6.2 9.7 2.0 1.5 25.7 3.5 1.5 55.8 56.8 0.64 Green Ratio (g/C) 0.17 0.11 0.17 0.18 0.12 0.17 0.64 0.58 0.65 0.58 0.58 Capacity (c), veh/h 193 211 272 223 223 281 188 2105 1044 326 1104 1094 Volume-to-Capacity Ratio (X) 0.360 0.722 0.560 0.478 0.716 0.112 0.323 0.583 0.119 0.180 0.905 0.913 Back of Queue (Q), ft/ln (95 th percentile) 80.7 199.1 188.2 125.1 205.9 35.5 43 365.7 49.5 22.3 821.5 834.6 Back of Queue (Q), veh/ln (95 th percentile) 3.2 8.0 7.5 5.0 8.2 1.4 1.7 14.6 2.0 0.9 32.9 33.4 Queue Storage Ratio (RQ) (95 th percentile) 0.20 0.00 0.47 0.31 0.00 0.14 0.07 0.00 0.12 0.04 0.00 0.00 43.4 Uniform Delay (d 1), s/veh 51.6 45.8 43.5 51.0 41.7 25.9 15.9 8.0 11.8 22.2 22.4 Incremental Delay (d 2), s/veh 0.4 1.8 0.7 0.6 1.6 0.1 0.4 1.2 0.2 0.1 12.1 13.0 Initial Queue Delay (d 3), s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Control Delay (d), s/veh 43.8 53.3 46.5 44.1 52.6 41.7 26.2 17.1 8.3 11.9 34.3 35.4 Level of Service (LOS) D D D D D D С В Α В С D 48.8 D 48.4 D 16.7 В 34.2 С Approach Delay, s/veh / LOS Intersection Delay, s/veh / LOS 30.6 С **Multimodal Results** ΕB WB NB Pedestrian LOS Score / LOS 2.46 В 2.31 В 2.08 2.08 В В Bicycle LOS Score / LOS 1.10 Α 0.98 Α 1.65 В 2.19

HCS Signalized Intersection Results Summary ياط بالمؤملية أمالي Intersection Information **General Information** Duration, h 0.250 Agency Analyst ACD-MIM Analysis Date 1/26/2024 Area Type Other PHF Jurisdiction ODOT D6 Time Period PM Peak Build 0.92 **Urban Street** US 23 Analysis Year 2025 **Analysis Period** 1> 7:00 US 23 & Shanahan Rd File Name US23-Shanahan PM Build.xus Intersection **Project Description** 2025 PM Peak Build WB **Demand Information** EB NB SB Approach Movement L R L R L R R 144 47 Demand (v), veh/h 92 117 76 112 178 1675 122 49 1214 80 **Signal Information** JI. Cycle, s 120.0 Reference Phase 2 TOTAL CONTRACT Offset, s 0 Reference Point End Green 6.6 1.3 0.2 12.3 70.0 7.5 Uncoordinated No Simult. Gap E/W On Yellow 4.0 0.0 4.0 4.0 4.0 0.0 Force Mode Fixed Simult. Gap N/S On Red 1.5 0.0 1.5 1.5 0.0 1.5 **Timer Results EBL EBT WBL WBT** NBL **NBT** SBL SBT **Assigned Phase** 4 3 8 2 6 7 5 1 Case Number 1.1 3.0 1.1 3.0 1.1 3.0 1.1 4.0 Phase Duration, s 13.2 18.0 13.0 17.8 13.5 76.9 12.1 75.5 Change Period, (Y+Rc), s 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5 Max Allow Headway (MAH), s 3.1 3.2 3.1 3.2 2.9 0.0 2.9 0.0 Queue Clearance Time (g_s), s 7.9 11.7 6.8 9.4 7.0 3.3 Green Extension Time (g_e), s 0.1 0.8 0.1 0.8 0.3 0.0 0.1 0.0 Phase Call Probability 0.96 1.00 0.94 1.00 1.00 0.83 0.01 0.00 0.00 0.00 0.00 0.00 Max Out Probability **Movement Group Results** EΒ **WB** NB SB Approach Movement L Т R L Т R L Т R L Т R **Assigned Movement** 7 4 14 3 8 18 5 2 12 1 6 16 Adjusted Flow Rate (v), veh/h 100 157 127 83 122 51 193 1821 133 53 710 697 Adjusted Saturation Flow Rate (s), veh/h/ln 1810 1900 1610 1810 1900 1610 1810 1809 1610 1810 1900 1858 5.9 9.7 8.5 4.8 7.4 3.3 5.0 49.3 3.7 1.3 29.8 30.0 Queue Service Time (g_s), s Cycle Queue Clearance Time (q c), s 5.9 9.7 8.5 4.8 7.4 3.3 5.0 49.3 3.7 1.3 29.8 30.0 0.64 Green Ratio (g/C) 0.17 0.10 0.17 0.16 0.10 0.16 0.65 0.59 0.66 0.58 0.58 Capacity (c), veh/h 229 198 275 182 194 254 310 2152 1058 204 1109 1085 Volume-to-Capacity Ratio (X) 0.437 0.792 0.463 0.455 0.627 0.201 0.624 0.846 0.125 0.261 0.640 0.643 Back of Queue (Q), ft/ln (95 th percentile) 118.6 206.9 153.9 97.7 160.1 59.7 78.2 645.3 51.3 30.3 443.5 438.9 Back of Queue (Q), veh/ln (95 th percentile) 4.7 8.3 6.2 3.9 6.4 2.4 3.1 25.8 2.1 1.2 17.7 17.6 Queue Storage Ratio (RQ) (95 th percentile) 0.30 0.00 0.38 0.24 0.00 0.24 0.13 0.00 0.13 0.05 0.00 0.00 44.4 44.8 Uniform Delay (d 1), s/veh 52.5 44.5 51.7 44.0 15.7 19.8 7.7 21.1 16.6 16.6 Incremental Delay (d 2), s/veh 0.5 2.7 0.5 0.7 1.2 0.1 8.0 4.3 0.2 0.3 2.8 2.9 Initial Queue Delay (d 3), s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Control Delay (d), s/veh 44.9 55.2 45.3 45.1 52.9 44.1 16.5 24.2 7.9 21.4 19.4 19.6 Level of Service (LOS) D Ε D D D D В С Α С В В 49.2 48.6 D 22.5 С 19.6 В Approach Delay, s/veh / LOS D Intersection Delay, s/veh / LOS 25.5 С **Multimodal Results** ΕB WB NB Pedestrian LOS Score / LOS 2.47 В 2.31 В 2.08 2.08 В В Bicycle LOS Score / LOS 1.12 Α 0.91 Α 2.26 В 1.69

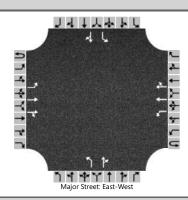
| HCS Two-Way Stop-Control Report | | | | | | | | | | |
|---|---------------|----------------------------|------------------------|--|--|--|--|--|--|--|
| General Information | | Site Information | | | | | | | | |
| Analyst | ACD - MIM | Intersection | Glenn Pkwy & Peachblow | | | | | | | |
| Agency/Co. | | Jurisdiction | ODOT D6 | | | | | | | |
| Date Performed | 3/4/2024 | East/West Street | Glenn Pkwy | | | | | | | |
| Analysis Year | 2025 | North/South Street | Peachblow | | | | | | | |
| Time Analyzed | AM Peak Build | Peak Hour Factor | 0.92 | | | | | | | |
| Intersection Orientation | East-West | Analysis Time Period (hrs) | 0.25 | | | | | | | |
| Project Description Peachblow Mixed Use Development | | | | | | | | | | |



| Vehicle Volumes and Adj | ustme | nts | | | | | | | | | | | | | | |
|---|--------|---------|--------|------|-------|---------|-------|----|-----|-------|-------|------|------|-------|-------|------|
| Approach | | Eastb | ound | | | Westk | oound | | | North | bound | | | South | bound | |
| Movement | U | L | Т | R | U | U L T R | | | U | L | Т | R | U | L | Т | R |
| Priority | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 |
| Number of Lanes | 0 | 1 | 2 | 0 | 0 | 1 | 2 | 0 | | 1 | 1 | 0 | | 1 | 1 | 0 |
| Configuration | | L | Т | TR | | L | Т | TR | | L | | TR | | L | | TR |
| Volume (veh/h) | 0 | 226 | 154 | 116 | 0 | 30 | 211 | 48 | | 147 | 26 | 28 | | 3 | 4 | 70 |
| Percent Heavy Vehicles (%) | 3 | 3 | | | 3 | 3 | | | | 3 | 3 | 3 | | 3 | 3 | 3 |
| Proportion Time Blocked | | | | | | | | | | | | | | | | |
| Percent Grade (%) | | | | | | | | | | (|) | | | (| 0 | |
| Right Turn Channelized | | | | | | | | | | | | | | | | |
| Median Type Storage | | | | Undi | vided | | | | | | | | | | | |
| Critical and Follow-up H | eadwa | ys | | | | | | | | | | | | | | |
| Base Critical Headway (sec) | | 4.1 | | | | 4.1 | | | | 7.5 | 6.5 | 6.9 | | 7.5 | 6.5 | 6.9 |
| Critical Headway (sec) | | 4.16 | | | | 4.16 | | | | 7.56 | 6.56 | 6.96 | | 7.56 | 6.56 | 6.96 |
| Base Follow-Up Headway (sec) | | 2.2 | | | | 2.2 | | | | 3.5 | 4.0 | 3.3 | | 3.5 | 4.0 | 3.3 |
| Follow-Up Headway (sec) | | 2.23 | | | | 2.23 | | | | 3.53 | 4.03 | 3.33 | | 3.53 | 4.03 | 3.33 |
| Delay, Queue Length, an | d Leve | l of Se | ervice | | | | | | | | | | | | | |
| Flow Rate, v (veh/h) | | 246 | | | | 33 | | | | 160 | | 59 | | 3 | | 80 |
| Capacity, c (veh/h) | | 1271 | | | | 1258 | | | | 155 | | 294 | | 135 | | 710 |
| v/c Ratio | | 0.19 | | | | 0.03 | | | | 1.03 | | 0.20 | | 0.02 | | 0.11 |
| 95% Queue Length, Q ₉₅ (veh) | | 0.7 | | | | 0.1 | | | | 8.0 | | 0.7 | | 0.1 | | 0.4 |
| Control Delay (s/veh) | | 8.5 | | | | 7.9 | | | | 139.3 | | 20.3 | | 32.4 | | 10.7 |
| Level of Service (LOS) | | A | | | | Α | | | F C | | | | | D | | В |
| Approach Delay (s/veh) | | 3.9 0.8 | | | | | | | | 10 | 7.3 | | 11.6 | | | |
| Approach LOS | | А | | | | , | 4 | | F | | | | В | | | |

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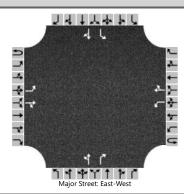
| HCS Two-Way Stop-Control Report | | | | | | | | | | |
|---|---------------|----------------------------|------------------------|--|--|--|--|--|--|--|
| General Information | | Site Information | | | | | | | | |
| Analyst | ACD - MIM | Intersection | Glenn Pkwy & Peachblow | | | | | | | |
| Agency/Co. | | Jurisdiction | ODOT D6 | | | | | | | |
| Date Performed | 3/4/2024 | East/West Street | Glenn Pkwy | | | | | | | |
| Analysis Year | 2025 | North/South Street | Peachblow | | | | | | | |
| Time Analyzed | PM Peak Build | Peak Hour Factor | 0.92 | | | | | | | |
| Intersection Orientation | East-West | Analysis Time Period (hrs) | 0.25 | | | | | | | |
| Project Description Peachblow Mixed Use Development | | | | | | | | | | |



| Vehicle Volumes and Adj | ustme | nts | | | | | | | | | | | | | | |
|---|--------|---------|--------|------|-------|-------|-------|----|-----|-------|-------|------|---|-------|-------|------|
| Approach | | Eastb | ound | | | Westl | oound | | | North | bound | | | South | bound | |
| Movement | U | L | Т | R | U | L | Т | R | U | L | Т | R | U | L | Т | R |
| Priority | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 |
| Number of Lanes | 0 | 1 | 2 | 0 | 0 | 1 | 2 | 0 | | 1 | 1 | 0 | | 1 | 1 | 0 |
| Configuration | | L | Т | TR | | L | Т | TR | | L | | TR | | L | | TR |
| Volume (veh/h) | 0 | 47 | 306 | 189 | 0 | 22 | 235 | 3 | | 183 | 1 | 17 | | 3 | 7 | 17 |
| Percent Heavy Vehicles (%) | 3 | 3 | | | 3 | 3 | | | | 3 | 3 | 3 | | 3 | 3 | 3 |
| Proportion Time Blocked | | | | | | | | | | | | | | | | |
| Percent Grade (%) | | | | | | | | | | (|) | | | | 0 | |
| Right Turn Channelized | | | | | | | | | | | | | | | | |
| Median Type Storage | | | | Undi | vided | | | | | | | | | | | |
| Critical and Follow-up H | eadwa | ys | | | | | | | | | | | | | | |
| Base Critical Headway (sec) | | 4.1 | | | | 4.1 | | | | 7.5 | 6.5 | 6.9 | | 7.5 | 6.5 | 6.9 |
| Critical Headway (sec) | | 4.16 | | | | 4.16 | | | | 7.56 | 6.56 | 6.96 | | 7.56 | 6.56 | 6.96 |
| Base Follow-Up Headway (sec) | | 2.2 | | | | 2.2 | | | | 3.5 | 4.0 | 3.3 | | 3.5 | 4.0 | 3.3 |
| Follow-Up Headway (sec) | | 2.23 | | | | 2.23 | | | | 3.53 | 4.03 | 3.33 | | 3.53 | 4.03 | 3.33 |
| Delay, Queue Length, an | d Leve | l of S | ervice | | | | | | | | | | | | | |
| Flow Rate, v (veh/h) | | 51 | | | | 24 | | | | 199 | | 20 | | 3 | | 26 |
| Capacity, c (veh/h) | | 1296 | | | | 1019 | | | | 280 | | 666 | | 307 | | 501 |
| v/c Ratio | | 0.04 | | | | 0.02 | | | | 0.71 | | 0.03 | | 0.01 | | 0.05 |
| 95% Queue Length, Q ₉₅ (veh) | | 0.1 | | | | 0.1 | | | | 4.9 | | 0.1 | | 0.0 | | 0.2 |
| Control Delay (s/veh) | | 7.9 | | | | 8.6 | | | | 44.0 | | 10.6 | | 16.9 | | 12.6 |
| Level of Service (LOS) | | A | | | | Α | | | E B | | | | | С | | В |
| Approach Delay (s/veh) | | 0.7 0.7 | | | | | | | 4 | 1.0 | | 13.1 | | | | |
| Approach LOS | | A | | | | A | | | E | | | | В | | | |

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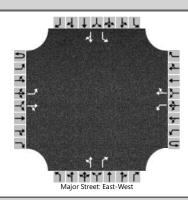
| HCS Two-Way Stop-Control Report | | | | | | | | | | | |
|---|---------------|----------------------------|---------------------------|--|--|--|--|--|--|--|--|
| General Information Site Information | | | | | | | | | | | |
| Analyst | ACD - MIM | Intersection | Peachblow & Crownover Way | | | | | | | | |
| Agency/Co. | | Jurisdiction | ODOT D6 | | | | | | | | |
| Date Performed | 3/4/2024 | East/West Street | Peachblow | | | | | | | | |
| Analysis Year | 2025 | North/South Street | Crownover | | | | | | | | |
| Time Analyzed | AM Peak Build | Peak Hour Factor | 0.92 | | | | | | | | |
| Intersection Orientation | East-West | Analysis Time Period (hrs) | 0.25 | | | | | | | | |
| Project Description Peachblow Mixed Use Development | | | | | | | | | | | |



| Vehicle Volumes and Ad | justme | nts | | | | | | | | | | | | | | | |
|---|--------|------------------|--------|------|-------|-------|-------|----|-----|-------|-------|------|---|-------|-------|------|--|
| Approach | | Eastb | ound | | | Westl | oound | | | North | bound | | | South | bound | | |
| Movement | U | L | Т | R | U | L | Т | R | U | L | Т | R | U | L | Т | R | |
| Priority | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 | |
| Number of Lanes | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | | 0 | 1 | 1 | | 1 | 1 | 0 | |
| Configuration | | L | | TR | | L | | TR | | LT | | R | | L | | TR | |
| Volume (veh/h) | | 10 | 121 | 19 | | 4 | 100 | 25 | | 58 | 0 | 11 | | 31 | 0 | 43 | |
| Percent Heavy Vehicles (%) | | 3 | | | | 3 | | | | 3 | 3 | 3 | | 3 | 3 | 3 | |
| Proportion Time Blocked | | | | | | | | | | | | | | | | | |
| Percent Grade (%) | | | | | | | | | | | 0 | | | . (| 0 | | |
| Right Turn Channelized | | | | | | | | | | N | lo | | | | | | |
| Median Type Storage | | | | Undi | vided | | | | | | | | | | | | |
| Critical and Follow-up H | eadwa | ys | | | | | | | | | | | | | | | |
| Base Critical Headway (sec) | Т | 4.1 | | | | 4.1 | | | | 7.1 | 6.5 | 6.2 | | 7.1 | 6.5 | 6.2 | |
| Critical Headway (sec) | | 4.13 | | | | 4.13 | | | | 7.13 | 6.53 | 6.23 | | 7.13 | 6.53 | 6.23 | |
| Base Follow-Up Headway (sec) | | 2.2 | | | | 2.2 | | | | 3.5 | 4.0 | 3.3 | | 3.5 | 4.0 | 3.3 | |
| Follow-Up Headway (sec) | | 2.23 | | | | 2.23 | | | | 3.53 | 4.03 | 3.33 | | 3.53 | 4.03 | 3.33 | |
| Delay, Queue Length, an | d Leve | l of S | ervice | | | | | | | | | | | | | | |
| Flow Rate, v (veh/h) | | 11 | | | | 4 | | | | 63 | | 12 | | 34 | | 47 | |
| Capacity, c (veh/h) | | 1442 | | | | 1422 | | | | 595 | | 903 | | 634 | | 926 | |
| v/c Ratio | | 0.01 | | | | 0.00 | | | | 0.11 | | 0.01 | | 0.05 | | 0.05 | |
| 95% Queue Length, Q ₉₅ (veh) | | 0.0 | | | | 0.0 | | | | 0.4 | | 0.0 | | 0.2 | | 0.2 | |
| Control Delay (s/veh) | | 7.5 | | | | 7.5 | | | | 11.8 | | 9.0 | | 11.0 | | 9.1 | |
| Level of Service (LOS) | | A | | | | A | | | B A | | | | | В | | Α | |
| Approach Delay (s/veh) | | 0.5 0.2 11.3 9.9 | | | | | | | | | | | | | | | |
| Approach LOS | | , | A | | | , | 4 | | | | В | | | , | 4 | | |

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| HCS Two-Way Stop-Control Report | | | | | | | | | | | |
|---|---------------|----------------------------|---------------------------|--|--|--|--|--|--|--|--|
| General Information Site Information | | | | | | | | | | | |
| Analyst | ACD - MIM | Intersection | Peachblow & Crownover Way | | | | | | | | |
| Agency/Co. | | Jurisdiction | ODOT D6 | | | | | | | | |
| Date Performed | 3/4/2024 | East/West Street | Peachblow | | | | | | | | |
| Analysis Year | 2025 | North/South Street | Crownover | | | | | | | | |
| Time Analyzed | PM Peak Build | Peak Hour Factor | 0.92 | | | | | | | | |
| Intersection Orientation | East-West | Analysis Time Period (hrs) | 0.25 | | | | | | | | |
| Project Description Peachblow Mixed Use Development | | | | | | | | | | | |



| Vehicle Volumes and Adj | ustme | nts | | | | | | | | | | | | | | | | |
|---|---------|---------|--------|------|-------|-------|------|-----------|---|-------|-------|------|---|-------|-------|------|--|--|
| Approach | | Eastb | ound | | | Westl | ound | | | North | bound | | | South | bound | | | |
| Movement | U | L | Т | R | U | L T R | | | U | L | Т | R | U | L | Т | R | | |
| Priority | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 | | |
| Number of Lanes | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | | 0 | 1 | 1 | | 1 | 1 | 0 | | |
| Configuration | | L | | TR | | L | | TR | | LT | | R | | L | | TR | | |
| Volume (veh/h) | | 21 | 123 | 74 | | 0 | 151 | 30 | | 44 | 0 | 0 | | 28 | 0 | 6 | | |
| Percent Heavy Vehicles (%) | | 3 | | | | 3 | | | | 3 | 3 | 3 | | 3 | 3 | 3 | | |
| Proportion Time Blocked | | | | | | | | | | | | | | | | | | |
| Percent Grade (%) | | | | | | | | | | (|) | | | (| 0 | | | |
| Right Turn Channelized | | | | | | | | | | Ν | 0 | | | | | | | |
| Median Type Storage | | | | Undi | vided | | | | | | | | | | | | | |
| Critical and Follow-up He | eadwa | ys | | | | | | | | | | | | | | | | |
| Base Critical Headway (sec) | | 4.1 | | | | 4.1 | | | | 7.1 | 6.5 | 6.2 | | 7.1 | 6.5 | 6.2 | | |
| Critical Headway (sec) | | 4.13 | | | | 4.13 | | | | 7.13 | 6.53 | 6.23 | | 7.13 | 6.53 | 6.23 | | |
| Base Follow-Up Headway (sec) | | 2.2 | | | | 2.2 | | | | 3.5 | 4.0 | 3.3 | | 3.5 | 4.0 | 3.3 | | |
| Follow-Up Headway (sec) | | 2.23 | | | | 2.23 | | | | 3.53 | 4.03 | 3.33 | | 3.53 | 4.03 | 3.33 | | |
| Delay, Queue Length, and | d Leve | l of Se | ervice | | | | | | | | | | | | | | | |
| Flow Rate, v (veh/h) | | 23 | | | | 0 | | | | 48 | | 0 | | 30 | | 7 | | |
| Capacity, c (veh/h) | | 1370 | | | | 1350 | | | | 543 | | 867 | | 549 | | 860 | | |
| v/c Ratio | | 0.02 | | | | 0.00 | | | | 0.09 | | 0.00 | | 0.06 | | 0.01 | | |
| 95% Queue Length, Q ₉₅ (veh) | | 0.1 | | | | 0.0 | | | | 0.3 | | 0.0 | | 0.2 | | 0.0 | | |
| Control Delay (s/veh) | | 7.7 | | | | 7.7 | | | | 12.3 | | 9.2 | | 11.9 | | 9.2 | | |
| Level of Service (LOS) | | А | | | | Α | | | | В | | А | | В | | А | | |
| Approach Delay (s/veh) | 0.7 0.0 | | | | | .0 | | 12.3 11.5 | | | | | | | | | | |
| Approach LOS | | A | | | | | A | | | В | | | | В | | | | |

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| HCS Signalized Intersection Results Summary | | | | | | | | | | | | | | | | | | |
|---|--|---|-------|---------|--------------------------------------|----------|------------|-------------|---------------|------------|--------------|------------|------|----------|----------|------------|----|---|
| General Inform | nation | | | | | | | | Int | orooot | ion Inf | ormatic | n | | 4741 | s U | | |
| | iation | | | | | | | _ | _ | ration, | | 0.250 | ori | | 1111 | | | |
| Agency | | ACD MINA | | A b | is Dat | 4/00/ | 2004 | | | | | | | 7 | | | | |
| Analyst Jurisdiction | | ACD - MIM ODOT D6 | | Time F | | e 1/26/2 | o Build | | PH | еа Туре |) | Other 0.92 | | | wĬ. | A- 12- | | |
| Urban Street | | US 23 | | | | _ | o bulla | _ | | | Dariad | _ | ١٥ | H | | ~ E | | |
| | | Ļ | | | | r 2045 | Clara | 0 N 4 N 1 . | | alysis l | | 1> 7:0 |)() | 5 | | 7 | | |
| Intersection | 4: | US 23 & Glenn Pkw | • | File Na | File Name US23-Glenn AM No Build.xus | | | | | | | | | 1111 | 14.0 | | | |
| Project Descrip | tion | 2045 AM Peak No I | Bulla | | | | | | | | | | | | 7 1 7 1 | E(III) | | |
| Demand Inform | nation | | | | EB | | T | W | В | | | NB | | | SB | | | |
| Approach Move | ment | | | L | Т | R | L | T | - | R | L | Т | R | L | Т | R | | |
| Demand (v), v | eh/h | | | 4 | 72 | 19 | 416 | 4 | 3 | 102 | 21 | 913 | 370 | 149 | 1739 | 12 | | |
| | | | | | | | | | | | | | | | | | | |
| Signal Informa | | - · | | - | 7 | 211 | 71 | 2 | | - 5 | 3 | ⊱ (| | t. | _ | | | |
| Cycle, s | 120.0 | Reference Phase | 2 | | 5 | | - 1/1 | ٦ | E | 8 | | | 1 | 2 | 3 | → 4 | | |
| Offset, s | 0 | Reference Point | End | Green | 4.3 | 2.9 | 62.8 | 1.1 | | 7.9 | 8.0 | | | | | 5_ | | |
| Uncoordinated | No | Simult. Gap E/W | On | Yellow | _ | 4.0 | 4.0 | 4.0 | | 4.0 | 4.0 | | \ 4 | _ | → | | | |
| Force Mode | Fixed | Simult. Gap N/S | On | Red | 1.5 | 1.5 | 1.5 | 1.5 | 5 | 1.5 | 1.5 | | 5 | 6 | 7 | 8 | | |
| Timer Results | | | | EBI | | EBT | WB | | \٨/ | /BT | NBI | | NBT | SBI | | SBT | | |
| Assigned Phase | Α. | | | 7 | _ | 4 | 3 | _ | | 8 | 5 | | 2 | 1 | | 6 | | |
| Case Number | | | | 1.1 | | 3.0 | 2.0 | | | .0 | 2.0 | | 3.0 | 2.0 | _ | 3.0 | | |
| Phase Duration | <u> </u> | | | 6.6 | _ | 13.5 | 20.0 | _ | | 6.9 | 9.8 | | 68.3 | 18.2 | | 76.7 | | |
| Change Period, | | c) s | | 5.5 | _ | 5.5 | 5.5 | _ | | 5.5 | 5.5 | | 5.5 | 5.5 | | 5.5 | | |
| Max Allow Head | | | | 3.1 | _ | 3.2 | 3.1 | _ | | .2 | 2.9 | | 0.0 | 2.9 | _ | 0.0 | | |
| Queue Clearan | | · · · · · · · · · · · · · · · · · · · | | 2.3 | | 6.8 | 16.5 | - | | 2.2 | 3.5 | | | 12.5 | 5 | | | |
| Green Extensio | | , - , | | | | 0.4 | 0.0 | | 0.5 | | 0.0 | | 0.0 | 0.2 | | 0.0 | | |
| Phase Call Prol | bability | · - / | | 0.13 | | 1.00 | 1.00 | 1.00 | | .00 | 0.53 | 3 | | 1.00 | | | | |
| Max Out Proba | bility | | | 0.00 |) | 0.00 | 1.00 | | 0.00 | | 0.00 |) | | 0.00 |) | | | |
| Movement Gro | un Boo | aulto. | | | EB | | | WE | | | | NB | | | SB | | | |
| Approach Move | | buits | | - | Т | R | L | T | , T | R | 1 | T | R | | T | R | | |
| Assigned Move | | | | 7 | 4 | 14 | 3 | 8 | + | 18 | 5 | 2 | 12 | 1 | 6 | 16 | | |
| Adjusted Flow F | |) veh/h | | 4 | 78 | 21 | 452 | 158 | | 10 | 23 | 992 | 402 | 162 | 1890 | 13 | | |
| | | ow Rate (s), veh/h/l | n | 1810 | 1900 | 1610 | 1810 | 168 | _ | | 1810 | 1809 | 102 | 1810 | 1809 | 1610 | | |
| Queue Service | | · , | | 0.3 | 4.8 | 1.5 | 14.5 | 10.2 | _ | | 1.5 | 21.6 | | 10.5 | 53.4 | 0.4 | | |
| Cycle Queue C | | - ' | | 0.3 | 4.8 | 1.5 | 14.5 | 10.2 | \rightarrow | | 1.5 | 21.6 | | 10.5 | 53.4 | 0.4 | | |
| Green Ratio (g | | - · · · · · · · · · · · · · · · · · · · | | 0.08 | 0.07 | 0.07 | 0.12 | 0.18 | _ | | 0.04 | 0.52 | | 0.11 | 0.59 | 0.59 | | |
| Capacity (c), v | | | | 160 | 127 | 107 | 219 | 301 | _ | | 64 | 1893 | | 192 | 2148 | 956 | | |
| Volume-to-Capa | | atio (X) | | 0.027 | 0.618 | 0.192 | 2.068 | 0.52 | 4 | \neg | 0.355 | 0.524 | | 0.845 | 0.880 | 0.014 | | |
| Back of Queue | (Q), f | t/ln (95 th percentile |) | 5.5 | 105.8 | | 1435. 9 | 191. | 3 | | 30.2 | 329.5 | | 209.7 | 700.1 | 5.9 | | |
| Back of Queue | (Q), ve | eh/In (95 th percenti | le) | 0.2 | 4.2 | 1.1 | 57.4 | 7.7 | 1 | | 1.2 | 13.2 | | 8.4 | 28.0 | 0.2 | | |
| | | RQ) (95 th percent | | 0.04 | 0.00 | 0.12 | 2.87 | 0.00 | _ | | 0.06 | 0.00 | | 0.33 | 0.00 | 0.01 | | |
| Uniform Delay (| (d 1), s | /veh | | 51.4 | 54.5 | 52.9 | 52.8 | 44.7 | 7 | | 56.5 | 18.8 | | 52.7 | 20.7 | 10.0 | | |
| Incremental De | mental Delay (d 2), s/veh | | | 0.0 | 1.8 | 0.3 | 496.1 | 0.5 | | | 1.2 | 1.0 | | 3.9 | 5.6 | 0.0 | | |
| Initial Queue De | nitial Queue Delay (d ₃), s/veh | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 | | |
| Control Delay (| Control Delay (<i>d</i>), s/veh | | | 51.4 | 56.3 | 53.3 | 548.8 | 45.2 | 2 | | 57.8 | 19.8 | 0.0 | 56.6 | 26.3 | 10.0 | | |
| Level of Service (LOS) | | | | D | E | D | F | D | | | E | В | Α | E | С | В | | |
| | Approach Delay, s/veh / LOS | | | 55.5 | 5 | Е | 418. | 6 | F | F | 14.8 | 3 | В | 28.6 | 3 | С | | |
| Intersection Del | ntersection Delay, s/veh / LOS | | | | | 8 | 1.3 | | | | | | | F | | | | |
| Multimadal D | Indian adal Dagulfa | | | | ED | | 150 | | 10 | | | NID | | | CD | | | |
| | lultimodal Results edestrian LOS Score / LOS | | | 2.47 | EB | | | | 2.46 | | | В | 1.90 | NB | В | 2.00 | SB | В |
| Bicycle LOS Sc | | | | 0.66 | _ | B A | 1.49 | _ | | A | 1.66 | | В | 2.08 | | В | | |
| Dicycle LOS 30 | JOIG / LC | ,,, | | 0.00 | , | А | 1.48 | | , | , \ | 1.00 | , | U | 2.18 | ' | D | | |

HCS Signalized Intersection Results Summary يا على المطميلي إنمالي Intersection Information **General Information** Duration, h 0.250 Agency Analyst ACD - MIM Analysis Date 1/26/2024 Area Type Other PHF Jurisdiction ODOT D6 Time Period PM No Build 0.92 **Urban Street** US 23 Analysis Year 2045 **Analysis Period** 1> 7:00 US 23 & Glenn Pkwy File Name US23-Glenn PM No Build.xus Intersection **Project Description** 2045 PM Peak No Build WB **Demand Information** EB NB SB Approach Movement L R L R L R L R 19 462 99 483 Demand (v), veh/h 21 51 30 7 1658 48 1031 5 **Signal Information** 川 Ų Cycle, s 120.0 Reference Phase 2 Offset, s 0 Reference Point End Green 1.8 68.9 8.0 4.8 4.3 4.7 Uncoordinated No Simult. Gap E/W On Yellow 4.0 0.0 4.0 4.0 4.0 4.0 Force Mode Fixed Simult. Gap N/S On Red 1.5 0.0 1.5 1.5 1.5 1.5 **Timer Results EBL EBT WBL WBT** NBL **NBT** SBL SBT **Assigned Phase** 4 3 8 2 6 7 5 1 Case Number 1.1 3.0 2.0 4.0 2.0 3.0 2.0 3.0 Phase Duration, s 9.8 13.5 20.0 23.7 7.3 74.4 12.1 79.2 Change Period, (Y+Rc), s 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5 Max Allow Headway (MAH), s 3.1 3.2 3.1 3.2 2.9 0.0 2.9 0.0 Queue Clearance Time (g_s), s 3.4 5.4 16.5 11.3 2.5 5.4 Green Extension Time (g_e), s 0.0 0.4 0.0 0.4 0.0 0.0 0.1 0.0 Phase Call Probability 0.53 1.00 1.00 1.00 0.22 0.82 0.00 0.00 1.00 0.00 0.00 0.00 Max Out Probability **Movement Group Results** EΒ **WB** NB SB Approach Movement L Т R L Т R Т R L Т R L **Assigned Movement** 7 4 14 3 8 18 5 2 12 1 6 16 Adjusted Flow Rate (v), veh/h 23 55 21 502 140 8 1802 525 52 1121 5 1810 1900 1610 1757 1669 1810 1809 1810 Adjusted Saturation Flow Rate (s), veh/h/ln 1809 1610 1.4 3.4 0.5 50.7 3.4 20.8 0.2 Queue Service Time (g_s), s 1.5 14.5 9.3 Cycle Queue Clearance Time (q c), s 1.4 3.4 1.5 14.5 9.3 0.5 50.7 3.4 20.8 0.2 Green Ratio (g/C) 0.10 0.07 0.07 0.12 0.15 0.01 0.57 0.05 0.61 0.61 Capacity (c), veh/h 197 127 107 425 254 27 2077 99 2222 989 Volume-to-Capacity Ratio (X) 0.116 0.438 0.192 1.183 0.553 0.281 0.868 0.525 0.504 0.005 Back of Queue (Q), ft/ln (95 th percentile) 28.1 73.4 26.8 487.9 175.6 10.6 677.5 68.4 297.5 2.3 Back of Queue (Q), veh/ln (95 th percentile) 1.1 2.9 1.1 19.5 7.0 0.4 27.1 2.7 11.9 0.1 Queue Storage Ratio (RQ) (95 th percentile) 0.19 0.00 0.12 0.98 0.00 0.02 0.00 0.11 0.00 0.00 49.0 55.2 Uniform Delay (d 1), s/veh 53.8 52.9 52.8 47.1 58.5 21.7 12.9 9.0 Incremental Delay (d 2), s/veh 0.1 0.9 0.3 103.9 0.7 2.1 5.2 1.6 8.0 0.0 Initial Queue Delay (d 3), s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Control Delay (d), s/veh 49.1 54.7 53.3 156.7 47.8 60.5 26.9 0.0 56.8 13.8 9.0 Level of Service (LOS) D D D F D Ε С Α Ε В Α 53.1 D 132.9 F 21.0 С 15.6 В Approach Delay, s/veh / LOS Intersection Delay, s/veh / LOS 37.1 D **Multimodal Results** ΕB WB NB Pedestrian LOS Score / LOS 2.47 В 2.46 В 2.08 2.08 В В Bicycle LOS Score / LOS 0.65 Α 1.55 2.41 В 1.46 Α

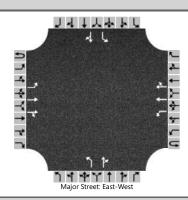
HCS Signalized Intersection Results Summary يا على المطميلي إنمالي Intersection Information **General Information** Duration, h Agency 0.250 Analyst ACD - MIM Analysis Date 1/26/2024 Area Type Other PHF Jurisdiction ODOT D6 Time Period AM No Build 0.92 **Urban Street** US 23 Analysis Year 2045 **Analysis Period** 1> 7:00 US 23 & Greif Pkwy File Name US23-Greif AM No Build.xus Intersection **Project Description** 2045 AM Peak No Build WB **Demand Information** EB NB SB Approach Movement L R L R L R R 0 Demand (v), veh/h 17 34 0 0 1 169 1286 0 1 2106 67 **Signal Information** JI. Cycle, s 120.0 Reference Phase 2 Offset, s 0 Reference Point End Green 8.7 6.7 0.0 82.2 0.3 0.0 Uncoordinated No Simult. Gap E/W On Yellow 4.0 4.0 4.0 0.0 0.0 4.0 Force Mode Fixed Simult. Gap N/S On Red 1.5 1.5 1.5 1.5 0.0 0.0 **Timer Results EBL EBT WBL WBT** NBL **NBT** SBL SBT **Assigned Phase** 4 8 2 6 5 Case Number 10.0 12.0 1.0 3.0 5.3 Phase Duration, s 12.2 5.8 14.2 102.0 87.7 Change Period, (Y+Rc), s 5.5 5.5 5.5 5.5 5.5 Max Allow Headway (MAH), s 3.3 3.4 2.9 0.0 0.0 Queue Clearance Time (g_s), s 4.7 2.1 8.4 Green Extension Time (g_e), s 0.1 0.0 0.3 0.0 0.0 Phase Call Probability 0.84 0.04 1.00 0.00 0.00 0.00 Max Out Probability WB **Movement Group Results** EΒ NB SB Approach Movement L Т R L Т R L Т R Т R L **Assigned Movement** 7 4 14 3 8 18 5 2 12 1 6 16 2289 Adjusted Flow Rate (v), veh/h 18 37 0 184 1398 0 1 73 1757 1610 0 1810 1809 1610 392 1809 1610 Adjusted Saturation Flow Rate (s), veh/h/ln 0.6 2.7 0.0 6.4 14.8 0.0 1.8 Queue Service Time (g_s), s 0.1 65.1 Cycle Queue Clearance Time (g c), s 0.6 2.7 0.0 6.4 14.8 0.0 0.7 65.1 1.8 0.80 Green Ratio (g/C) 0.06 0.06 0.77 0.80 0.69 0.69 0.69 90 Capacity (c), veh/h 197 215 2908 1294 327 2478 1103 Volume-to-Capacity Ratio (X) 0.094 0.409 0.000 0.853 0.481 0.000 0.003 0.924 0.066 Back of Queue (Q), ft/ln (95 th percentile) 11.9 49.5 0 230.6 139.7 0 0.4 766.3 24 Back of Queue (Q), veh/ln (95 th percentile) 0.5 2.0 0.0 9.2 5.6 0.0 0.0 30.7 1.0 Queue Storage Ratio (RQ) (95 th percentile) 0.03 0.00 0.00 0.38 0.00 0.00 0.00 0.00 0.06 Uniform Delay (d 1), s/veh 53.7 54.7 39.8 3.8 0.0 6.2 16.2 6.2 Incremental Delay (d 2), s/veh 0.1 1.1 0.0 3.7 0.6 0.0 0.0 7.3 0.1 Initial Queue Delay (d 3), s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Control Delay (d), s/veh 53.8 55.8 43.5 4.3 0.0 6.2 23.5 6.4 Level of Service (LOS) D Ε D Α Α С Α 55.1 Ε 73.9 Ε 22.9 С Approach Delay, s/veh / LOS 8.9 Α Intersection Delay, s/veh / LOS 17.8 В **Multimodal Results** ΕB WB NB Pedestrian LOS Score / LOS 2.47 В 2.47 В 2.06 1.61 В В Bicycle LOS Score / LOS 0.58 Α 0.49 Α 1.79 В 2.44

HCS Signalized Intersection Results Summary يا على المطميلي إنمالي Intersection Information **General Information** Duration, h 0.250 Agency Analyst ACD - MIM Analysis Date 1/26/2024 Area Type Other PHF Jurisdiction ODOT D6 Time Period AM No Build 0.92 **Urban Street** US 23 Analysis Year 2045 **Analysis Period** 1> 7:00 US 23 & Greif Pkwy File Name US23-Greif PM No Build.xus Intersection **Project Description** 2045 PM Peak No Build WB **Demand Information** EB NB SB Approach Movement R L R L R R 84 0 107 Demand (v), veh/h 0 0 1 66 2063 0 1 1490 21 Signal Information JI. Cycle, s 120.0 Reference Phase 2 PAT ! Offset, s 0 Reference Point End Green 7.3 10.9 0.0 79.6 0.3 0.0 Uncoordinated No Simult. Gap E/W On Yellow 4.0 4.0 4.0 4.0 0.0 0.0 Force Mode Fixed Simult. Gap N/S On Red 1.5 1.5 1.5 1.5 0.0 0.0 **Timer Results EBL EBT WBL WBT** NBL **NBT** SBL SBT **Assigned Phase** 4 8 2 6 5 Case Number 10.0 12.0 1.0 3.0 5.3 Phase Duration, s 16.4 5.8 12.8 97.9 85.1 Change Period, (Y+Rc), s 5.5 5.5 5.5 5.5 5.5 Max Allow Headway (MAH), s 3.3 3.4 2.9 0.0 0.0 Queue Clearance Time (g_s), s 10.5 2.1 3.3 Green Extension Time (g_e), s 0.4 0.0 0.1 0.0 0.0 Phase Call Probability 1.00 0.04 0.91 0.00 0.00 0.00 Max Out Probability WB **Movement Group Results** EΒ NB SB Approach Movement L Т R L Т R Т R Т R L L **Assigned Movement** 7 4 14 3 8 18 5 2 12 1 6 16 Adjusted Flow Rate (v), veh/h 91 116 0 72 2242 0 1 1620 23 1757 1610 0 1810 1809 1610 172 1809 1610 Adjusted Saturation Flow Rate (s), veh/h/ln 2.9 0.0 1.3 45.1 0.0 32.8 0.6 Queue Service Time (g_s), s 8.5 0.5 Cycle Queue Clearance Time (q c), s 2.9 8.5 0.0 1.3 45.1 0.0 32.8 32.8 0.6 0.74 0.77 Green Ratio (g/C) 0.09 0.09 0.77 0.66 0.66 0.66 Capacity (c), veh/h 318 146 293 2784 1239 128 2399 1068 Volume-to-Capacity Ratio (X) 0.287 0.799 0.000 0.245 0.805 0.000 0.009 0.675 0.021 Back of Queue (Q), ft/ln (95 th percentile) 57.8 160.4 0 24.2 438.1 0 415.1 1 8 Back of Queue (Q), veh/ln (95 th percentile) 2.3 6.4 0.0 1.0 17.5 0.0 0.0 16.6 0.3 Queue Storage Ratio (RQ) (95 th percentile) 0.14 0.00 0.00 0.04 0.00 0.00 0.00 0.00 0.02 Uniform Delay (d 1), s/veh 51.0 53.5 10.7 8.4 0.0 22.2 12.3 6.9 Incremental Delay (d 2), s/veh 0.2 3.8 0.0 0.2 2.6 0.0 0.1 1.5 0.0 Initial Queue Delay (d 3), s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Control Delay (d), s/veh 51.1 57.3 10.9 11.0 0.0 22.3 13.9 6.9 Level of Service (LOS) D Ε В В С В Α 54.6 73.9 Ε 13.8 В Approach Delay, s/veh / LOS D 11.0 В Intersection Delay, s/veh / LOS 14.3 В **Multimodal Results** ΕB WB NB Pedestrian LOS Score / LOS 2.47 В 2.47 В 2.07 1.62 В В Bicycle LOS Score / LOS 0.83 Α 0.49 Α 2.40 В 1.84 В

HCS Signalized Intersection Results Summary ياط بالمؤملية أمالي Intersection Information **General Information** Duration, h 0.250 Agency Analyst ACD - MIM Analysis Date 1/26/2024 Area Type Other AM No Build PHF Jurisdiction ODOT D6 Time Period 0.92 **Urban Street** US 23 Analysis Year 2045 **Analysis Period** 1> 7:00 US 23 & Shanahan Rd File Name US23-Shanahan AM No Build.xus Intersection **Project Description** 2045 AM Peak No Build WB **Demand Information** EB NB SB Approach Movement L R L R L R L R 34 Demand (v), veh/h 71 156 156 113 171 66 1350 134 65 2074 54 Signal Information JI. Cycle, s 120.0 Reference Phase 2 TOTAL CONTRACT Offset, s 0 Reference Point End Green 7.2 67.2 0.0 7.4 1.6 14.6 Uncoordinated No Simult. Gap E/W On Yellow 4.0 4.0 4.0 0.0 4.0 0.0 Force Mode Fixed Simult. Gap N/S On Red 1.5 1.5 1.5 0.0 1.5 0.0 **Timer Results EBL EBT WBL WBT** NBL **NBT** SBL SBT **Assigned Phase** 4 3 8 2 6 7 5 1 Case Number 1.1 3.0 1.1 3.0 1.1 3.0 1.1 4.0 Phase Duration, s 12.9 20.1 14.5 21.6 12.8 72.7 12.7 72.7 5.5 5.5 5.5 5.5 5.5 Change Period, (Y+Rc), s 5.5 5.5 5.5 Max Allow Headway (MAH), s 3.1 3.2 3.1 3.2 2.9 0.0 2.9 0.0 Queue Clearance Time (g_s), s 6.4 13.6 9.0 13.3 3.9 3.9 Green Extension Time (g_e), s 0.1 1.0 0.1 1.0 0.1 0.0 0.1 0.0 Phase Call Probability 0.92 1.00 0.98 1.00 0.91 0.91 0.00 0.00 0.05 0.00 0.00 Max Out Probability 0.00 **Movement Group Results** EΒ WB NB SB Approach Movement L Т R L Т R L Т R L Т R **Assigned Movement** 7 4 14 3 8 18 5 2 12 1 6 16 Adjusted Flow Rate (v), veh/h 77 170 170 123 186 37 72 1467 146 71 1157 1157 Adjusted Saturation Flow Rate (s), veh/h/ln 1810 1900 1610 1810 1900 1610 1810 1809 1610 1810 1900 1883 4.4 10.3 11.6 7.0 11.3 2.3 1.9 36.0 4.4 1.9 67.2 67.2 Queue Service Time (g_s), s 2.3 Cycle Queue Clearance Time (q c), s 4.4 10.3 11.6 7.0 11.3 1.9 36.0 4.4 1.9 67.2 67.2 0.20 0.62 Green Ratio (g/C) 0.18 0.12 0.18 0.13 0.19 0.62 0.56 0.63 0.56 0.56 Capacity (c), veh/h 200 231 293 239 255 314 170 2027 1022 259 1064 1055 Volume-to-Capacity Ratio (X) 0.385 0.735 0.579 0.515 0.728 0.118 0.423 0.724 0.142 0.273 1.087 1.097 Back of Queue (Q), ft/ln (95 th percentile) 88.5 216.2 204 142.2 230.6 40.6 48.8 497.6 62.5 29.1 1402.8 1435.3 Back of Queue (Q), veh/ln (95 th percentile) 3.5 8.6 8.2 5.7 9.2 1.6 2.0 19.9 2.5 1.2 56.1 57.4 Queue Storage Ratio (RQ) (95 th percentile) 0.22 0.00 0.51 0.36 0.00 0.16 80.0 0.00 0.16 0.05 0.00 0.00 16.4 Uniform Delay (d 1), s/veh 42.4 50.9 44.9 42.1 49.8 39.8 27.8 19.5 8.8 26.4 26.4 Incremental Delay (d 2), s/veh 0.5 1.7 0.7 0.6 1.5 0.1 0.6 2.3 0.3 0.2 54.3 58.0 Initial Queue Delay (d 3), s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Control Delay (d), s/veh 42.9 52.6 45.6 42.7 51.3 39.9 28.4 21.8 9.1 16.7 80.7 84.4 Level of Service (LOS) D D D D D D С С Α В F F 47.9 D 47.1 D 21.0 С F Approach Delay, s/veh / LOS 80.6 Intersection Delay, s/veh / LOS 54.6 D **Multimodal Results** ΕB WB NB Pedestrian LOS Score / LOS 2.46 В 2.31 В 2.09 2.09 В В Bicycle LOS Score / LOS 1.17 Α 1.06 Α 1.88 В 2.45

HCS Signalized Intersection Results Summary ياط بالمؤملية أمالي **General Information Intersection Information** Duration, h 0.250 Agency Analyst ACD - MIM Analysis Date 1/26/2024 Area Type Other PHF Jurisdiction ODOT D6 Time Period PM No Build 0.92 **Urban Street** US 23 Analysis Year 2045 **Analysis Period** 1> 7:00 US 23 & Shanahan Rd File Name US23-Shanahan PM No Build.xus Intersection **Project Description** 2045 PM Peak No Build WB **Demand Information** EB NB SB Approach Movement L R L R L R R 54 Demand (v), veh/h 103 161 131 88 129 210 1972 144 59 1468 95 **Signal Information** JI. Cycle, s 120.0 Reference Phase 2 TOTAL CONTRACT Offset, s 0 Reference Point End Green 7.1 2.5 0.7 13.0 67.0 7.7 Uncoordinated No Simult. Gap E/W On Yellow 4.0 0.0 4.0 4.0 0.0 4.0 Force Mode Fixed Simult. Gap N/S On Red 1.5 0.0 1.5 1.5 0.0 1.5 **Timer Results EBL EBT WBL WBT** NBL **NBT** SBL SBT **Assigned Phase** 4 3 8 5 2 6 7 1 Case Number 1.1 3.0 1.1 3.0 1.1 3.0 1.1 4.0 Phase Duration, s 13.9 19.2 13.2 18.5 15.1 75.1 12.6 72.5 5.5 5.5 5.5 5.5 5.5 5.5 Change Period, (Y+Rc), s 5.5 5.5 Max Allow Headway (MAH), s 3.1 3.2 3.1 3.2 2.9 0.0 2.9 0.0 Queue Clearance Time (g_s), s 8.5 12.8 7.5 10.5 9.2 3.7 Green Extension Time (g_e), s 0.1 0.9 0.1 0.9 0.3 0.0 0.1 0.0 Phase Call Probability 0.98 1.00 0.96 1.00 1.00 0.88 0.03 0.00 0.01 0.00 0.00 Max Out Probability 0.00 **Movement Group Results** EΒ WB NB SB Approach Movement L Т R L Т R L Т R L Т R **Assigned Movement** 7 4 14 3 8 18 5 2 12 1 6 16 112 175 142 96 140 59 228 2143 157 64 854 845 Adjusted Flow Rate (v), veh/h 1810 1900 1610 1810 1900 1610 1810 1809 1610 1810 1900 1859 Adjusted Saturation Flow Rate (s), veh/h/ln 6.5 10.8 9.4 5.5 3.8 7.2 69.6 4.6 1.7 43.2 44.2 Queue Service Time (g_s), s 8.5 Cycle Queue Clearance Time (g c), s 6.5 10.8 9.4 5.5 8.5 3.8 7.2 69.6 4.6 1.7 43.2 44.2 0.64 0.62 Green Ratio (g/C) 0.18 0.11 0.19 0.17 0.11 0.17 0.64 0.58 0.56 0.56 Capacity (c), veh/h 234 217 313 185 206 269 260 2097 1036 166 1061 1038 Volume-to-Capacity Ratio (X) 0.479 0.806 0.455 0.516 0.680 0.218 0.877 1.022 0.151 0.385 0.805 0.815 Back of Queue (Q), ft/ln (95 th percentile) 131.8 225.2 168.2 113 185 68 161.9 1063. 65.2 43.3 640.7 644 7 6.7 4.5 7.4 2.7 42.5 Back of Queue (Q), veh/ln (95 th percentile) 5.3 9.0 6.5 2.6 1.7 25.6 25.8 Queue Storage Ratio (RQ) (95 th percentile) 0.33 0.00 0.42 0.28 0.00 0.27 0.27 0.00 0.16 0.07 0.00 0.00 42.7 51.5 25.2 Uniform Delay (d 1), s/veh 43.5 51.8 44.0 43.2 27.7 8.4 27.8 21.3 21.5 Incremental Delay (d 2), s/veh 0.6 2.7 0.4 8.0 1.5 0.1 3.7 25.5 0.3 0.5 6.5 7.0 Initial Queue Delay (d 3), s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 44.1 54.5 43.1 44.9 53.0 43.3 31.4 50.7 28.4 Control Delay (d), s/veh 8.8 27.8 28.5 Level of Service (LOS) D D D D D D С Α С С С Approach Delay, s/veh / LOS 48.0 D 48.4 D 46.4 D 28.1 С Intersection Delay, s/veh / LOS 40.2 D **Multimodal Results** FB WB NB SB Pedestrian LOS Score / LOS 2.46 В 2.31 В 2.08 В 2.09 В Bicycle LOS Score / LOS 1.20 Α 0.97 Α 2.57 C 1.94 В

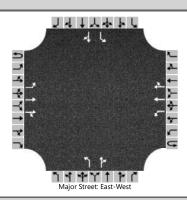
| HCS Two-Way Stop-Control Report | | | | | | | | | | | |
|---|------------------|----------------------------|------------------------|--|--|--|--|--|--|--|--|
| General Information Site Information | | | | | | | | | | | |
| Analyst | ACD - MIM | Intersection | Glenn Pkwy & Peachblow | | | | | | | | |
| Agency/Co. | | Jurisdiction | ODOT D6 | | | | | | | | |
| Date Performed | 3/7/2024 | East/West Street | Glenn Pkwy | | | | | | | | |
| Analysis Year | 2045 | North/South Street | Peachblow | | | | | | | | |
| Time Analyzed | AM Peak No Build | Peak Hour Factor | 0.92 | | | | | | | | |
| Intersection Orientation | East-West | Analysis Time Period (hrs) | 0.25 | | | | | | | | |
| Project Description Peachblow Mixed Use Development | | | | | | | | | | | |



| Vehicle Volumes and Adj | ustme | nts | | | | | | | | | | | | | | | | |
|---|--------|---------|--------|------|-------|---------|-------|----|-------|-------|-------|------|------|-------|-------|------|--|--|
| Approach | | Eastb | ound | | | Westl | oound | | | North | bound | | | South | bound | | | |
| Movement | U | L | Т | R | U | U L T R | | | U | L | Т | R | U | L | Т | R | | |
| Priority | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 | | |
| Number of Lanes | 0 | 1 | 2 | 0 | 0 | 1 | 2 | 0 | | 1 | 1 | 0 | | 1 | 1 | 0 | | |
| Configuration | | L | Т | TR | | L | Т | TR | | L | | TR | | L | | TR | | |
| Volume (veh/h) | 0 | 289 | 197 | 105 | 0 | 42 | 365 | 80 | | 121 | 34 | 37 | | 3 | 4 | 75 | | |
| Percent Heavy Vehicles (%) | 3 | 3 | | | 3 | 3 | | | | 3 | 3 | 3 | | 3 | 3 | 3 | | |
| Proportion Time Blocked | | | | | | | | | | | | | | | | | | |
| Percent Grade (%) | | | | | | | | | | (|) | | | (| 0 | | | |
| Right Turn Channelized | | | | | | | | | | | | | | | | | | |
| Median Type Storage | | | | Undi | vided | | | | | | | | | | | | | |
| Critical and Follow-up He | eadwa | ys | | | | | | | | | | | | | | | | |
| Base Critical Headway (sec) | | 4.1 | | | | 4.1 | | | | 7.5 | 6.5 | 6.9 | | 7.5 | 6.5 | 6.9 | | |
| Critical Headway (sec) | | 4.16 | | | | 4.16 | | | | 7.56 | 6.56 | 6.96 | | 7.56 | 6.56 | 6.96 | | |
| Base Follow-Up Headway (sec) | | 2.2 | | | | 2.2 | | | | 3.5 | 4.0 | 3.3 | | 3.5 | 4.0 | 3.3 | | |
| Follow-Up Headway (sec) | | 2.23 | | | | 2.23 | | | | 3.53 | 4.03 | 3.33 | | 3.53 | 4.03 | 3.33 | | |
| Delay, Queue Length, an | d Leve | l of Se | ervice | | | | | | | | | | | | | | | |
| Flow Rate, v (veh/h) | | 314 | | | | 46 | | | | 132 | | 77 | | 3 | | 86 | | |
| Capacity, c (veh/h) | | 1068 | | | | 1221 | | | | 77 | | 159 | | 46 | | 536 | | |
| v/c Ratio | | 0.29 | | | | 0.04 | | | | 1.71 | | 0.49 | | 0.07 | | 0.16 | | |
| 95% Queue Length, Q ₉₅ (veh) | | 1.2 | | | | 0.1 | | | | 11.2 | | 2.3 | | 0.2 | | 0.6 | | |
| Control Delay (s/veh) | | 9.8 | | | | 8.1 | | | | 460.2 | | 47.3 | | 88.5 | | 13.0 | | |
| Level of Service (LOS) | | A | | | | А | | | F E | | | | | F | | В | | |
| Approach Delay (s/veh) | 4.8 | | | | | 0.7 | | | 307.5 | | | | 15.8 | | | | | |
| Approach LOS | | А | | | | A | | | | F | | | | С | | | | |

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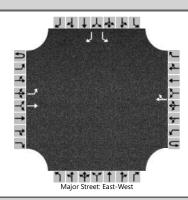
| HCS Two-Way Stop-Control Report | | | | | | | | | | |
|---|------------------|----------------------------|------------------------|--|--|--|--|--|--|--|
| General Information | | Site Information | | | | | | | | |
| Analyst | ACD - MIM | Intersection | Glenn Pkwy & Peachblow | | | | | | | |
| Agency/Co. | | Jurisdiction | ODOT D6 | | | | | | | |
| Date Performed | 3/7/2024 | East/West Street | Glenn Pkwy | | | | | | | |
| Analysis Year | 2045 | North/South Street | Peachblow | | | | | | | |
| Time Analyzed | PM Peak No Build | Peak Hour Factor | 0.92 | | | | | | | |
| Intersection Orientation | East-West | Analysis Time Period (hrs) | 0.25 | | | | | | | |
| Project Description Peachblow Mixed Use Development | | | | | | | | | | |



| Vehicle Volumes and Adjustments | | | | | | | | | | | | | | | | | | |
|---|--------|-----------|--------|-----|------|-------|-------|----|------------|-------|-------|------|------|-------|-------|------|--|--|
| Approach | | Eastb | ound | | | Westk | oound | | | North | bound | | | South | bound | | | |
| Movement | U | L | Т | R | U | L | Т | R | U | L | Т | R | U | L | Т | R | | |
| Priority | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 | | |
| Number of Lanes | 0 | 1 | 2 | 0 | 0 | 1 | 2 | 0 | | 1 | 1 | 0 | | 1 | 1 | 0 | | |
| Configuration | | L | Т | TR | | L | Т | TR | | L | | TR | | L | | TR | | |
| Volume (veh/h) | 0 | 59 | 380 | 143 | 0 | 37 | 390 | 5 | | 184 | 1 | 22 | | 3 | 7 | 17 | | |
| Percent Heavy Vehicles (%) | 3 | 3 | | | 3 | 3 | | | | 3 | 3 | 3 | | 3 | 3 | 3 | | |
| Proportion Time Blocked | | | | | | | | | | | | | | | | | | |
| Percent Grade (%) | | | | | | | | | | . (|) | | | | 0 | | | |
| Right Turn Channelized | | | | | | | | | | | | | | | | | | |
| Median Type Storage | | Undivided | | | | | | | | | | | | | | | | |
| Critical and Follow-up H | eadwa | adways | | | | | | | | | | | | | | | | |
| Base Critical Headway (sec) | | 4.1 | | | | 4.1 | | | | 7.5 | 6.5 | 6.9 | | 7.5 | 6.5 | 6.9 | | |
| Critical Headway (sec) | | 4.16 | | | | 4.16 | | | | 7.56 | 6.56 | 6.96 | | 7.56 | 6.56 | 6.96 | | |
| Base Follow-Up Headway (sec) | | 2.2 | | | | 2.2 | | | | 3.5 | 4.0 | 3.3 | | 3.5 | 4.0 | 3.3 | | |
| Follow-Up Headway (sec) | | 2.23 | | | 2.23 | | | | 3.53 | 4.03 | 3.33 | | 3.53 | 4.03 | 3.33 | | | |
| Delay, Queue Length, an | d Leve | l of S | ervice | | | | | | | | | | | | | | | |
| Flow Rate, v (veh/h) | T | 64 | | | | 40 | | | | 200 | | 25 | | 3 | | 26 | | |
| Capacity, c (veh/h) | | 1119 | | | | 993 | | | | 190 | | 630 | | 195 | | 373 | | |
| v/c Ratio | | 0.06 | | | | 0.04 | | | | 1.05 | | 0.04 | | 0.02 | | 0.07 | | |
| 95% Queue Length, Q ₉₅ (veh) | | 0.2 | | | | 0.1 | | | | 9.3 | | 0.1 | | 0.1 | | 0.2 | | |
| Control Delay (s/veh) | | 8.4 | | | | 8.8 | | | | 130.5 | | 10.9 | | 23.8 | | 15.4 | | |
| Level of Service (LOS) | | A | | | | А | | | | F | | В | | С | | С | | |
| Approach Delay (s/veh) | | 0.9 | | | | | .8 | • | 117.2 16.3 | | | | | | | | | |
| Approach LOS | | A A | | | | | | | | | F | | | (| С | | | |

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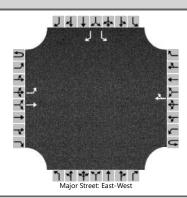
| HCS Two-Way Stop-Control Report | | | | | | | | | | | |
|---|------------------|---------------------------------|---------------------------|--|--|--|--|--|--|--|--|
| General Information | | Site Information | | | | | | | | | |
| Analyst | ACD - MIM | Intersection | Peachblow & Crownover Way | | | | | | | | |
| Agency/Co. | | Jurisdiction | ODOT D6 | | | | | | | | |
| Date Performed | 3/4/2024 | East/West Street | Peachblow | | | | | | | | |
| Analysis Year | 2045 | North/South Street | Crownover | | | | | | | | |
| Time Analyzed | AM Peak No Build | Peak Hour Factor | 0.92 | | | | | | | | |
| Intersection Orientation | East-West | Analysis Time Period (hrs) 0.25 | | | | | | | | | |
| Project Description Peachblow Mixed Use Development | | | | | | | | | | | |



| Vehicle Volumes and Adj | justme | nts | | | | | | | | | | | | | | | | |
|---|-----------|---------|--------|---|----|-------|-------|----|---|-------|-------|-----|------|-------|-------|------|--|--|
| Approach | | Eastb | ound | | | Westl | oound | | | North | bound | | | South | bound | | | |
| Movement | U | L | Т | R | U | L | Т | R | U | L | Т | R | U | L | Т | R | | |
| Priority | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 | | |
| Number of Lanes | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | | 0 | 0 | 0 | | 1 | 0 | 1 | | |
| Configuration | | L | Т | | | | | TR | | | | | | L | | R | | |
| Volume (veh/h) | | 8 | 143 | | | | 118 | 25 | | | | | | 59 | | 74 | | |
| Percent Heavy Vehicles (%) | | 3 | | | | | | | | | | | | 3 | | 3 | | |
| Proportion Time Blocked | | | | | | | | | | | | | | | | | | |
| Percent Grade (%) | | | | | | | | | | | | | | 0 | | | | |
| Right Turn Channelized | | | | | | | | | | | | | | Ν | lo | | | |
| Median Type Storage | Undivided | | | | | | | | | | | | | | | | | |
| Critical and Follow-up H | eadwa | adways | | | | | | | | | | | | | | | | |
| Base Critical Headway (sec) | | 4.1 | | | | | | | | | | | | 7.1 | | 6.2 | | |
| Critical Headway (sec) | | 4.13 | | | | | | | | | | | | 6.43 | | 6.23 | | |
| Base Follow-Up Headway (sec) | | 2.2 | | | | | | | | | | | | 3.5 | | 3.3 | | |
| Follow-Up Headway (sec) | | 2.23 | | | | | | | | | | | | 3.53 | | 3.33 | | |
| Delay, Queue Length, an | d Leve | l of Se | ervice | | | | | | | | | | | | | | | |
| Flow Rate, v (veh/h) | | 9 | | | | | | | | | | | | 64 | | 80 | | |
| Capacity, c (veh/h) | | 1419 | | | | | | | | | | | | 672 | | 903 | | |
| v/c Ratio | | 0.01 | | | | | | | | | | | | 0.10 | | 0.09 | | |
| 95% Queue Length, Q ₉₅ (veh) | | 0.0 | | | | | | | | | | 0.3 | | 0.3 | | | | |
| Control Delay (s/veh) | | 7.6 | | | | | | | | | | | | 10.9 | | 9.4 | | |
| Level of Service (LOS) | | А | | | | | | | | | | | | В | | Α | | |
| Approach Delay (s/veh) | | 0.4 | | | | - | | | | | - | | 10.1 | | | | | |
| Approach LOS | | , | 4 | | | | | | | | | | | - | В | | | |

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| HCS Two-Way Stop-Control Report | | | | | | | | | | | |
|---|------------------|---------------------------------|---------------------------|--|--|--|--|--|--|--|--|
| General Information | | Site Information | | | | | | | | | |
| Analyst | ACD - MIM | Intersection | Peachblow & Crownover Way | | | | | | | | |
| Agency/Co. | | Jurisdiction | ODOT D6 | | | | | | | | |
| Date Performed | 3/4/2024 | East/West Street | Peachblow | | | | | | | | |
| Analysis Year | 2045 | North/South Street | Crownover | | | | | | | | |
| Time Analyzed | AM Peak No Build | Peak Hour Factor | 0.92 | | | | | | | | |
| Intersection Orientation | East-West | Analysis Time Period (hrs) 0.25 | | | | | | | | | |
| Project Description Peachblow Mixed Use Development | | | | | | | | | | | |



| Vehicle Volumes and Ad | justme | nts | | | | | | | | | | | | | | |
|---|--------|--------|--------|------|--------|------|-------|----|---|-------|-------|---|---|-------|-------|------|
| Approach | T | Eastb | ound | | | West | bound | | | North | bound | | | South | bound | |
| Movement | U | L | Т | R | U | L | Т | R | U | L | Т | R | U | L | Т | R |
| Priority | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 |
| Number of Lanes | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | | 0 | 0 | 0 | | 1 | 0 | 1 |
| Configuration | | L | Т | | | | | TR | | | | | | L | | R |
| Volume (veh/h) | | 21 | 166 | | | | 195 | 30 | | | | | | 53 | | 12 |
| Percent Heavy Vehicles (%) | | 3 | | | | | | | | | | | | 3 | | 3 |
| Proportion Time Blocked | | | | | | | | | | | | | | | | |
| Percent Grade (%) | | | | | | | | | | | | | 0 | | | |
| Right Turn Channelized | | | | | | | | | | | No | | | | | |
| Median Type Storage | | | | Undi | ivided | | | | | | | | | | | |
| Critical and Follow-up H | eadwa | ys | | | | | | | | | | | | | | |
| Base Critical Headway (sec) | Т | 4.1 | | | | | | | | | | | | 7.1 | | 6.2 |
| Critical Headway (sec) | | 4.13 | | | | | | | | | | | | 6.43 | | 6.23 |
| Base Follow-Up Headway (sec) | | 2.2 | | | | | | | | | | | | 3.5 | | 3.3 |
| Follow-Up Headway (sec) | | 2.23 | | | | | | | | | | | | 3.53 | | 3.33 |
| Delay, Queue Length, an | d Leve | l of S | ervice | | | | | | | | | | | | | |
| Flow Rate, v (veh/h) | Т | 23 | | | | | | | | | | | | 58 | | 13 |
| Capacity, c (veh/h) | | 1316 | | | | | | | | | | | | 552 | | 809 |
| v/c Ratio | | 0.02 | | | | | | | | | | | | 0.10 | | 0.02 |
| 95% Queue Length, Q ₉₅ (veh) | | 0.1 | | | | | | | | | | | | 0.3 | | 0.0 |
| Control Delay (s/veh) | | 7.8 | | | | | | | | | | | | 12.3 | | 9.5 |
| Level of Service (LOS) | | А | | | | | | | | | | | | В | | А |
| Approach Delay (s/veh) | | 0 | .9 | | | | | | | | | | | 1 | 11.8 | |
| Approach LOS | | | A | | | | | | | | | | | | В | |

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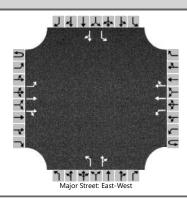
| | HCS Signalized Intersection Results Summary | | | | | | | | | | | | | | | |
|-----------------------|---|------------------------|-------|--|----------|----------|--------------|----------|--------|----------|----------|---------|------------|-------|---------|-------|
| Computed Inform | 4! | | | | | | | | linka | 4 | lan laf | | | Т. | 4741 | la L |
| General Inform | ation | | | | | | | | | | | ormatio | n | Í | 1111 | |
| Agency | | AOD AUNA | | 1 1 | | 4 /00 /6 | 2004 | | | ration, | | 0.250 | | - | | |
| Analyst | | ACD - MIM | | | | 1/26/2 | | | _ | еа Туре | 9 | Other | | | | |
| Jurisdiction | | ODOT D6 | | Time F | | AM P | еак | | PHI | - | D!I | 0.92 | \ <u>\</u> | | "," | ~ |
| Urban Street | | US 23 | | | | 2045 | 01 | NA D | | alysis I | Period | 1> 7:0 |)() | 5 | | 7 |
| Intersection | t: | US 23 & Glenn Pkw | - | File Na | ame | US23 | -Glenn A | AM B | X.DIIL | xus | | | | | ጎተተሰ | 1 0 |
| Project Descript | tion | 2045 AM Peak Build | a | | | | | | | | | | | | 4 1 4 1 | rii |
| Demand Inforn | nation | | | | EB | | Т | W | B | | | NB | | T | SB | |
| Approach Move | ment | | | L | Т | R | L | 7 | П | R | L | Т | R | L | Т | R |
| Demand (v), v | eh/h | | | 4 | 72 | 19 | 451 | 4 | 3 | 152 | 21 | 986 | 381 | 177 | 1802 | 12 |
| Oi ava al lasfa mas a | 4! | | | T | | ТШ | - 11 | <u> </u> | | т. | | | | | | |
| Signal Informa | | D (D) | | - | 7 | 216 | 71 | | | - 5 | ∄₹ | ≒ (| | Ťχ | _ | ж |
| Cycle, s | 120.0 | Reference Phase | 2 | 1 | 5 | | 1 | 7 | K | , E | 3 | | 1 | 2 | 3 | ❤ ₄ |
| Offset, s | 0 | Reference Point | End | Green | | 5.0 | 60.7 | 1.1 | | 7.9 | 8.0 | | | | | |
| Uncoordinated | No | Simult. Gap E/W | On | Yellow 4.0 4.0 4.0 4.0 4.0 4.0 Red 1.5 1.5 1.5 1.5 1.5 | | | | | \ \< | | ∠ | | | | | |
| Force Mode | Fixed | Simult. Gap N/S | On | Red | 1.5 | 1.5 | 1.5 | 1.5 |) | 1.5 | 1.5 | | 5 | 6 | 7 | 8 |
| Timer Results | | | | EBI | | EBT | WB | L | W | ВТ | NBI | | NBT | SBI | | SBT |
| Assigned Phase | | | | 7 | | 4 | 3 | _ | | 3 | 5 | | 2 | 1 | | 6 |
| Case Number | | | | 1.1 | | 3.0 | 2.0 | | 4. | .0 | 2.0 | | 3.0 | 2.0 | | 3.0 |
| | ase Duration, s | | | | | 13.5 | 20.0 | _ | 26.9 | | 9.8 | | 66.2 | 20.3 | | 76.7 |
| | change Period, (Y+R c), s | | | | | 5.5 | 5.5 | _ | | .5 | 5.5 | | 5.5 | 5.5 | | 5.5 |
| Max Allow Head | | | | 5.5 3.1 | | 3.2 | 3.1 | _ | | .2 | 2.9 | | 0.0 | 2.9 | | 0.0 |
| Queue Clearan | | | | 2.3 6.8 | | 16.5 | 5 | 16.4 | | 3.5 | | | 14.5 | 5 | | |
| Green Extensio | n Time | (g _e), s | | | | 0.6 | 0.0 | | 0. | .6 | 0.0 | | 0.0 | 0.3 | | 0.0 |
| Phase Call Prob | pability | | | 0.13 | 3 | 1.00 | 1.00 |) | 1.0 | 00 | 0.53 | 3 | | 1.00 |) | |
| Max Out Probal | bility | | | 0.00 |) | 0.00 | 1.00 |) | 0.0 | 00 | 0.00 |) | | 0.00 |) | |
| Movement Gro | un Res | ulte | | | EB WB NB | | | | | SB | | | | | | |
| Approach Move | | Juito | | | T | R | L | T | _ | R | 1 | T | R | | T | R |
| Assigned Move | | | | 7 | 4 | 14 | 3 | 8 | | 18 | 5 | 2 | 12 | 1 | 6 | 16 |
| Adjusted Flow F | |), veh/h | | 4 | 78 | 21 | 490 | 212 | , | | 23 | 1072 | 414 | 192 | 1959 | 13 |
| _ | | ow Rate (s), veh/h/l | n | 1810 | 1900 | 1610 | 1810 | 166 | _ | | 1810 | 1809 | | 1810 | 1809 | 1610 |
| Queue Service | | · , , , | | 0.3 | 4.8 | 1.5 | 14.5 | 14.4 | _ | | 1.5 | 24.9 | | 12.5 | 57.6 | 0.4 |
| Cycle Queue Cl | | | | 0.3 | 4.8 | 1.5 | 14.5 | 14.4 | _ | | 1.5 | 24.9 | | 12.5 | 57.6 | 0.4 |
| Green Ratio (g. | | () | | 0.08 | 0.07 | 0.07 | 0.12 | 0.18 | 3 | | 0.04 | 0.51 | | 0.12 | 0.59 | 0.59 |
| Capacity (c), v | eh/h | | | 126 | 127 | 107 | 219 | 297 | , | | 64 | 1831 | | 222 | 2148 | 956 |
| Volume-to-Capa | | tio (X) | | 0.034 | 0.618 | 0.192 | 2.242 | 0.71 | 3 | | 0.355 | 0.585 | | 0.865 | 0.912 | 0.014 |
| Back of Queue | (Q), ft | /In (95 th percentile |) | 5.5 | 105.7 | 26.8 | 1615. 6 | 250. | 2 | | 30.2 | 374.8 | | 239.4 | 759.6 | 5.9 |
| Back of Queue | (Q), ve | eh/In (95 th percenti | le) | 0.2 | 4.2 | 1.1 | 64.6 | 10.0 |) | | 1.2 | 15.0 | | 9.6 | 30.4 | 0.2 |
| Queue Storage | Ratio (| RQ) (95 th percent | tile) | 0.04 | 0.00 | 0.12 | 3.23 | 0.00 |) | | 0.06 | 0.00 | | 0.38 | 0.00 | 0.01 |
| Uniform Delay (| (d 1), s | /veh | | 51.4 | 54.5 | 52.9 | 52.8 | 46.4 | 1 | | 56.5 | 20.8 | | 51.6 | 21.6 | 10.0 |
| Incremental Del | ncremental Delay (d 2), s/veh | | | | 1.8 | 0.3 | 573.4 | 1.2 | | | 1.2 | 1.4 | | 3.9 | 7.3 | 0.0 |
| | nitial Queue Delay (d ₃), s/veh | | | | 0.0 | 0.0 | 0.0 | 0.0 | _ | | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 |
| | Control Delay (<i>d</i>), s/veh | | | | 56.3 | 53.3 | 626.1 | 47.6 | 3 | | 57.8 | 22.2 | 0.0 | 55.5 | 28.9 | 10.0 |
| | Level of Service (LOS) | | | | Ę | D | F | D | | | E | С | A | E | С | В |
| | Approach Delay, s/veh / LOS | | | | 5 | E | 451. | 5 | F | | 16.6 | 6 | В | 31.2 | 2 | С |
| Intersection Del | ntersection Delay, s/veh / LOS | | | | | 92 | 2.7 | | | | | | | F | | |
| Multimodel De | Authim adal Daguita | | | | ED | | | \^/5 | | | | NID | | | CD. | |
| Multimodal Res | | /1.08 | | 2.47 | EB | D | 2.40 | WE | | | 1.04 | NB | D | 2.00 | SB | D |
| | | | | 2.47 0.66 | _ | В | 2.46 1.65 | _ | E | _ | 1.91 | | В | 2.08 | | В |
| Dicycle LOS 30 | cycle LOS Score / LOS | | | | | Α | 1.03 | , | | 3 | 1.73 | , | В | 2.21 | | D |

| | HCS Signalized Intersection Results Summary | | | | | | | | | | | | | | | |
|-----------------------------------|---|---------------------------------|----------|------------|----------|------------|------------|--------|--------|------------|------------|------------|-------|-------|--------------|-------|
| General Inform | notion | | | | | | | | Int | orooot | ion Info | 4741 | | | | |
| | ation | | | | | | | | _ | | | | | Í | 1111 | |
| Agency | | A O D A AUNA | | A 1 | | 4 /00 /6 | 2004 | | _ | ration, | | 0.250 | | - | | - |
| Analyst | | ACD - MIM | | | | 1/26/2 | | | _ | ea Type | 9 | Other | | - | w‡e | ٠. إ |
| Jurisdiction | | ODOT D6 | | Time F | | | eak Buil | a | PH | | | 0.92 | | | W 1 P | ~ |
| Urban Street | | US 23 | | | | 2045 | 01 1 | 21.4.5 | | alysis l | Period | 1> 7:0 |)() | - | | 7 |
| Intersection | | US 23 & Glenn Pkv | • | File Na | ame | US23 | -Glenn I | PM B | uild. | .xus | | | | | ጎተተሰ | |
| Project Descrip | tion | 2045 PM Peak Buil | d | | | | | | | | | | | | NIWT | M(D) |
| Demand Inform | nation | | | | EB | | Т | W | /Β | | T | NB | | T | SB | |
| Approach Move | ment | | | L | T | R | L | T | Γ | R | L | Т | R | L | Т | R |
| Demand (v), v | eh/h | | | 21 | 51 | 19 | 488 | 3 | 0 | 170 | 7 | 1806 | 527 | 138 | 1195 | 5 |
| Oi an al lasfa ana | 4! | | | T | T | | - 11 | | | Т. | | | | | | |
| Signal Informa | | Deference Dhace | | - | 2 | 216 | 7 | 1 | | - 3 | ∃ ? | ≒ (| | ŤΖ | _ | 7 |
| Cycle, s | 120.0 | Reference Phase Reference Point | 2 End | - | 5 | | 1 | 7 | 2 | | 3 | | 1 | 2 | 3 | ❤ 4 |
| Offset, s Uncoordinated | No | Simult. Gap E/W | On | Green | | 4.6 | 63.6 | 4.3 | | 4.7 | 8.0 | | | | | |
| Force Mode | | Fixed Simult. Gap N/S On | | | 4.0 | 4.0 1.5 | 4.0 1.5 | 4.0 | | 4.0 1.5 | 4.0 1.5 | |) . × | _ | - ∕ , | |
| Porce Mode | rixeu | Simuit. Gap N/S | Oli | Red | 1.0 | 1.3 | 1.0 | 1.3 | , | ∥ 1.3 | 1.5 | | 5 | 6 | 7 | 0 |
| Timer Results | | | | EBI | | EBT | WB | L | W | /BT | NBL | | NBT | SBI | | SBT |
| Assigned Phase | e | | | 7 | | 4 | 3 | \neg | | 8 | 5 | | 2 | 1 | \neg | 6 |
| Case Number | | | | 1.1 | | 3.0 | 2.0 | | 4.0 | | 2.0 | 3.0 | | 2.0 | | 3.0 |
| Phase Duration | | | | | | 13.5 | 20.0 | | | 3.7 | _ | | 69.1 | 17.4 | | 79.2 |
| Change Period, | Change Period, $(Y+R_c)$, s | | | | | 5.5 | 5.5 | | 5 | 5.5 | 5.5 | | 5.5 | 5.5 | | 5.5 |
| Max Allow Head | | | | 3.1 | | 3.3 | 3.1 | | 3 | 3.3 | 2.9 | 0.0 | | 2.9 | | 0.0 |
| Queue Clearan | ce Time | e (gs), s | | 3.4 | | | 16.5 | 5 | 17 | 7.5 | 2.5 | | | 11.8 | 3 | |
| Green Extensio | n Time | (<i>g</i> _e), s | | 0.0 | | 0.6 | 0.0 | | 0 |).5 | 0.0 | | 0.0 | 0.2 | | 0.0 |
| Phase Call Prol | bability | | | 0.53 | 3 | 1.00 | 1.00 |) | 1. | .00 | 0.22 | 2 | | 0.99 |) | |
| Max Out Proba | bility | | | 0.00 |) | 0.00 | 1.00 |) | 0. | .00 | 0.00 |) | | 0.00 |) | |
| Movement Gro | up Res | sults | | | EB WB NB | | | | SB | | | | | | | |
| Approach Move | | | | L | Т | R | L | Т | Т | R | L | Т | R | L | Т | R |
| Assigned Move | | | | 7 | 4 | 14 | 3 | 8 | \top | 18 | 5 | 2 | 12 | 1 | 6 | 16 |
| Adjusted Flow F | Rate (v |), veh/h | | 23 | 55 | 21 | 530 | 217 | , | _ | 8 | 1963 | 573 | 150 | 1299 | 5 |
| Adjusted Satura | ation Flo | ow Rate (s), veh/h/l | n | 1810 | 1900 | 1610 | 1810 | 164 | 8 | | 1810 | 1809 | | 1810 | 1809 | 1610 |
| Queue Service | | · , , | | 1.4 | 3.4 | 1.5 | 14.5 | 15. | _ | | 0.5 | 63.6 | | 9.8 | 25.9 | 0.2 |
| Cycle Queue C | | - , | | 1.4 | 3.4 | 1.5 | 14.5 | 15. | 5 | | 0.5 | 63.6 | | 9.8 | 25.9 | 0.2 |
| Green Ratio (g | /C) | | | 0.10 | 0.07 | 0.07 | 0.12 | 0.1 | 5 | | 0.01 | 0.53 | | 0.10 | 0.61 | 0.61 |
| Capacity (c), v | eh/h | | | 132 | 127 | 107 | 219 | 250 |) | | 27 | 1918 | | 179 | 2222 | 989 |
| Volume-to-Capa | acity Ra | ntio (X) | | 0.173 | 0.438 | 0.192 | 2.426 | 0.86 | 8 | | 0.281 | 1.024 | | 0.837 | 0.585 | 0.005 |
| Back of Queue | (Q), fl | t/In (95 th percentile | :) | 28.2 | 73.3 | 26.8 | 1804 | 268. | .6 | | 10.6 | 1019. 9 | | 197.9 | 357.5 | 2.3 |
| Back of Queue | (Q), ve | eh/ln (95 th percenti | ile) | 1.1 | 2.9 | 1.1 | 72.2 | 10. | 7 | | 0.4 | 40.8 | | 7.9 | 14.3 | 0.1 |
| | | RQ) (95 th percent | | 0.19 | 0.00 | 0.12 | 3.61 | 0.00 |) | | 0.02 | 0.00 | | 0.31 | 0.00 | 0.00 |
| Uniform Delay (| (d 1), s | /veh | | 49.2 | 53.8 | 52.9 | 52.8 | 49. | 7 | | 58.5 | 28.2 | | 53.1 | 13.9 | 9.0 |
| Incremental De | lay (d 2 |), s/veh | | 0.2 | 0.9 | 0.3 | 655.4 | 3.6 | | | 2.1 | 26.8 | | 3.9 | 1.1 | 0.0 |
| Initial Queue De | elay (<i>d</i> | з), s/veh | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | | 0.0 | 0.0 | | 0.0 | 0.0 | 0.0 |
| Control Delay (<i>d</i>), s/veh | | | | 49.4 | 54.7 | 53.3 | 708.1 | 53.3 | 3 | | 60.5 | 55.0 | 0.0 | 57.0 | 15.1 | 9.0 |
| | Level of Service (LOS) | | | | D | D | F | D | \Box | | E | F | Α | E | В | Α |
| | Approach Delay, s/veh / LOS | | | | 2 | D | 517. | 8 | | F | 42.6 | i | D | 19.4 | | В |
| Intersection Del | ntersection Delay, s/veh / LOS | | | | | 10 | 9.2 | | | | | | | F | | |
| Multimodal Po | lultimodal Results | | | | EB | | | WE | 3 | | | NB | | | SB | |
| Pedestrian LOS | | /10S | | 2.47 | | В | 2.46 | - | | В | 1.90 | | В | 2.08 | | В |
| | | | | 0.65 | _ | A | 1.72 | _ | | В | 2.59 | | С | 1.69 | | В |
| 210,010 200 00 | ycle LOS Score / LOS | | | | | , , | 1.12 | | | _ | 2.00 | | | 1.03 | | |

HCS Signalized Intersection Results Summary ياط بالمؤملية أمالي Intersection Information **General Information** Duration, h 0.250 Agency Analyst ACD - MIM Analysis Date 1/26/2024 Area Type Other PHF Jurisdiction ODOT D6 Time Period AM Peak Build 0.92 **Urban Street** US 23 Analysis Year 2045 **Analysis Period** 1> 7:00 US 23 & Shanahan Rd File Name US23-Shanahan AM Build.xus Intersection **Project Description** 2045 AM Peak Build WB **Demand Information** EB NB SB Approach Movement L R L R L R L R 34 Demand (v), veh/h 71 156 156 113 171 66 1491 134 65 2266 54 Signal Information JI. Cycle, s 120.0 Reference Phase 2 TOTAL CONTRACT Offset, s 0 Reference Point End Green 7.2 67.2 0.0 7.4 1.6 14.6 Uncoordinated No Simult. Gap E/W On Yellow 4.0 4.0 4.0 0.0 4.0 0.0 Force Mode Fixed Simult. Gap N/S On Red 1.5 1.5 1.5 0.0 1.5 0.0 **Timer Results EBL EBT WBL WBT** NBL **NBT** SBL SBT **Assigned Phase** 4 3 8 5 2 6 7 1 Case Number 1.1 3.0 1.1 3.0 1.1 3.0 1.1 4.0 Phase Duration, s 12.9 20.1 14.5 21.6 12.8 72.7 12.7 72.7 Change Period, (Y+Rc), s 5.5 5.5 5.5 5.5 5.5 5.5 5.5 5.5 Max Allow Headway (MAH), s 3.1 3.2 3.1 3.2 2.9 0.0 2.9 0.0 Queue Clearance Time (g_s), s 6.4 13.6 9.0 13.3 3.9 3.9 Green Extension Time (g_e), s 0.1 1.0 0.1 1.0 0.1 0.0 0.1 0.0 Phase Call Probability 0.92 1.00 0.98 1.00 0.91 0.91 0.00 0.00 0.05 0.00 0.00 Max Out Probability 0.00 **Movement Group Results** EΒ WB NB SB Approach Movement L Т R L Т R L Т R L Т R **Assigned Movement** 7 4 14 3 8 18 5 2 12 1 6 16 Adjusted Flow Rate (v), veh/h 77 170 170 123 186 37 72 1621 146 71 1261 1261 1810 1900 1610 1810 1900 1610 1810 1809 1610 1810 1900 1884 Adjusted Saturation Flow Rate (s), veh/h/ln 4.4 10.3 11.6 7.0 11.3 2.3 1.9 42.8 4.4 1.9 67.2 67.2 Queue Service Time (g_s), s 2.3 Cycle Queue Clearance Time (q c), s 4.4 10.3 11.6 7.0 11.3 1.9 42.8 4.4 1.9 67.2 67.2 0.20 0.62 Green Ratio (g/C) 0.18 0.12 0.18 0.13 0.19 0.62 0.56 0.63 0.56 0.56 Capacity (c), veh/h 200 231 293 239 255 314 170 2027 1022 228 1064 1055 Volume-to-Capacity Ratio (X) 0.385 0.735 0.579 0.515 0.728 0.118 0.423 0.800 0.142 0.309 1.185 1.195 Back of Queue (Q), ft/ln (95 th percentile) 88.5 216.2 204 142.2 230.6 40.6 48.8 581.5 62.5 35.4 1858.5 1895 Back of Queue (Q), veh/ln (95 th percentile) 3.5 8.6 8.2 5.7 9.2 1.6 2.0 23.3 2.5 1.4 74.3 75.8 Queue Storage Ratio (RQ) (95 th percentile) 0.22 0.00 0.51 0.36 0.00 0.16 80.0 0.00 0.16 0.06 0.00 0.00 Uniform Delay (d 1), s/veh 42.4 50.9 44.9 42.1 49.8 39.8 27.8 21.0 8.8 19.8 26.4 26.4 Incremental Delay (d 2), s/veh 0.5 1.7 0.7 0.6 1.5 0.1 0.6 3.4 0.3 0.3 92.9 97.1 Initial Queue Delay (d 3), s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Control Delay (d), s/veh 42.9 52.6 45.6 42.7 51.3 39.9 28.4 24.4 9.1 20.0 119.3 123.5 Level of Service (LOS) D D D D D D С С Α С F 47.9 D 47.1 D 23.4 С F Approach Delay, s/veh / LOS 118.6 Intersection Delay, s/veh / LOS 74.5 Ε **Multimodal Results** ΕB WB NB Pedestrian LOS Score / LOS 2.46 В 2.31 В 2.09 2.09 В В Bicycle LOS Score / LOS 1.17 Α 1.06 Α 2.00 В 2.63

HCS Signalized Intersection Results Summary ياط بالمؤملية أمالي **General Information Intersection Information** Duration, h 0.250 Agency Analyst ACD - MIM Analysis Date 1/26/2024 Area Type Other PHF Jurisdiction ODOT D6 Time Period PM Peak Build 0.92 **Urban Street** US 23 Analysis Year 2045 **Analysis Period** 1> 7:00 US 23 & Shanahan Rd File Name US23-Shanahan PM Build.xus Intersection **Project Description** 2045 PM Peak Build WB **Demand Information** EB NB SB Approach Movement L R L R L R R 54 Demand (v), veh/h 103 161 131 88 129 210 2352 144 59 1795 95 **Signal Information** JI. Cycle, s 120.0 Reference Phase 2 1 Offset, s 0 Reference Point End Green 7.1 0.6 0.7 13.0 63.4 7.7 Uncoordinated No Simult. Gap E/W On Yellow 4.0 4.0 4.0 4.0 0.0 4.0 Force Mode Fixed Simult. Gap N/S On Red 1.5 1.5 1.5 1.5 0.0 1.5 **Timer Results EBL EBT WBL WBT** NBL **NBT** SBL SBT **Assigned Phase** 4 3 8 5 2 6 7 1 Case Number 1.1 3.0 1.1 3.0 1.1 3.0 1.1 4.0 Phase Duration, s 13.9 19.2 13.2 18.5 18.7 75.1 12.6 68.9 5.5 5.5 5.5 5.5 5.5 Change Period, (Y+Rc), s 5.5 5.5 5.5 Max Allow Headway (MAH), s 3.1 3.2 3.1 3.2 2.9 0.0 2.9 0.0 Queue Clearance Time (g_s), s 8.5 12.8 7.5 10.5 12.9 3.8 Green Extension Time (g_e), s 0.1 0.9 0.1 0.9 0.3 0.0 0.1 0.0 Phase Call Probability 0.98 1.00 0.96 1.00 1.00 0.88 0.03 0.00 0.01 0.00 0.00 Max Out Probability 0.00 **Movement Group Results** EΒ WB NB SB Approach Movement L Т R L Т R Т R L Т L R **Assigned Movement** 7 4 14 3 8 18 5 2 12 1 6 16 112 175 142 96 140 59 228 2557 157 64 1027 1027 Adjusted Flow Rate (v), veh/h 1810 1900 1610 1810 1900 1610 1809 1610 1810 1900 Adjusted Saturation Flow Rate (s), veh/h/ln 1810 1866 6.5 10.8 9.0 5.5 3.8 69.6 4.6 1.8 63.4 Queue Service Time (g_s), s 8.5 10.9 63.4 Cycle Queue Clearance Time (g c), s 6.5 10.8 9.0 5.5 8.5 3.8 10.9 69.6 4.6 1.8 63.4 63.4 0.22 0.64 0.59 Green Ratio (g/C) 0.18 0.11 0.17 0.11 0.17 0.66 0.58 0.53 0.53 Capacity (c), veh/h 234 217 361 185 206 269 259 2097 1036 166 1004 986 Volume-to-Capacity Ratio (X) 0.479 0.806 0.394 0.516 0.680 0.218 0.882 1.219 0.151 0.385 1.023 1.041 Back of Queue (Q), ft/ln (95 th percentile) 131.8 225.2 161 113 185 68 273.3 1956. 65.2 40.5 1125.7 1169.9 2 4.5 7.4 Back of Queue (Q), veh/ln (95 th percentile) 5.3 9.0 6.4 2.7 10.9 78.2 2.6 1.6 45.0 46.8 Queue Storage Ratio (RQ) (95 th percentile) 0.33 0.00 0.40 0.28 0.00 0.27 0.46 0.00 0.16 0.07 0.00 0.00 51.5 25.2 Uniform Delay (d 1), s/veh 43.5 51.8 39.6 44.0 43.2 40.1 8.4 27.4 28.3 28.3 Incremental Delay (d 2), s/veh 0.6 2.7 0.3 8.0 1.5 0.1 3.9 103.2 0.3 0.5 34.3 40.0 Initial Queue Delay (d 3), s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 44.1 54.5 39.9 44.9 53.0 43.3 43.9 128.5 27.9 Control Delay (d), s/veh 8.8 62.6 68.3 Level of Service (LOS) D D D D D D D F Α С F Approach Delay, s/veh / LOS 46.9 D 48.4 D 115.5 F 64.3 Ε Intersection Delay, s/veh / LOS 88.3 F **Multimodal Results** FB WB NB SB Pedestrian LOS Score / LOS 2.46 В 2.08 2.09 2.31 В В В Bicycle LOS Score / LOS 1.20 Α 0.97 Α 2.91 C 2.24 В

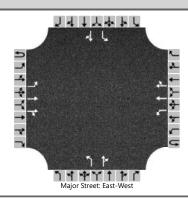
| HCS Two-Way Stop-Control Report | | | | | | | | | | | |
|---|---------------|---------------------------------|------------------------|--|--|--|--|--|--|--|--|
| General Information | | Site Information | | | | | | | | | |
| Analyst | ACD - MIM | Intersection | Glenn Pkwy & Peachblow | | | | | | | | |
| Agency/Co. | | Jurisdiction | ODOT D6 | | | | | | | | |
| Date Performed | 3/7/2024 | East/West Street | Glenn Pkwy | | | | | | | | |
| Analysis Year | 2045 | North/South Street | Peachblow | | | | | | | | |
| Time Analyzed | AM Peak Build | Peak Hour Factor | 0.92 | | | | | | | | |
| Intersection Orientation | East-West | Analysis Time Period (hrs) 0.25 | | | | | | | | | |
| Project Description Peachblow Mixed Use Development | | | | | | | | | | | |



| Vehicle Volumes and Adjustments | | | | | | | | | | | | | | | | |
|---|--------|--------|--------|------|-------|-------|-------|----|-------|--------|-------|------|---|-------|-------|------|
| Approach | Т | Eastb | ound | | | Westl | oound | | | North | bound | | | South | bound | |
| Movement | U | L | Т | R | U | L | Т | R | U | L | T | R | U | L | Т | R |
| Priority | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 |
| Number of Lanes | 0 | 1 | 2 | 0 | 0 | 1 | 2 | 0 | | 1 | 1 | 0 | | 1 | 1 | 0 |
| Configuration | | L | Т | TR | | L | Т | TR | | L | | TR | | L | | TR |
| Volume (veh/h) | 0 | 289 | 197 | 144 | 0 | 42 | 365 | 80 | | 206 | 34 | 37 | | 3 | 4 | 75 |
| Percent Heavy Vehicles (%) | 3 | 3 | | | 3 | 3 | | | | 3 | 3 | 3 | | 3 | 3 | 3 |
| Proportion Time Blocked | | | | | | | | | | | | | | | | |
| Percent Grade (%) | | | | | | | | | | (|) | | | | 0 | |
| Right Turn Channelized | | | | | | | | | | | | | | | | |
| Median Type Storage | | | | Undi | vided | | | | | | | | | | | |
| Critical and Follow-up H | eadwa | ys | | | | | | | | | | | | | | |
| Base Critical Headway (sec) | Т | 4.1 | | | | 4.1 | | | | 7.5 | 6.5 | 6.9 | | 7.5 | 6.5 | 6.9 |
| Critical Headway (sec) | | 4.16 | | | | 4.16 | | | | 7.56 | 6.56 | 6.96 | | 7.56 | 6.56 | 6.96 |
| Base Follow-Up Headway (sec) | | 2.2 | | | | 2.2 | | | | 3.5 | 4.0 | 3.3 | | 3.5 | 4.0 | 3.3 |
| Follow-Up Headway (sec) | | 2.23 | | | | 2.23 | | | | 3.53 | 4.03 | 3.33 | | 3.53 | 4.03 | 3.33 |
| Delay, Queue Length, an | d Leve | l of S | ervice | | | | | | | | | | | | | |
| Flow Rate, v (veh/h) | T | 314 | | | | 46 | | | | 224 | | 77 | | 3 | | 86 |
| Capacity, c (veh/h) | | 1068 | | | | 1177 | | | | 74 | | 154 | | 44 | | 525 |
| v/c Ratio | | 0.29 | | | | 0.04 | | | | 3.03 | | 0.50 | | 0.07 | | 0.16 |
| 95% Queue Length, Q ₉₅ (veh) | | 1.2 | | | | 0.1 | | | | 22.5 | | 2.4 | | 0.2 | | 0.6 |
| Control Delay (s/veh) | | 9.8 | | | | 8.2 | | | | 1035.9 | | 49.7 | | 93.9 | | 13.2 |
| Level of Service (LOS) | | A | | | | А | | | F E | | | E | | F | | В |
| Approach Delay (s/veh) | | 4.5 | | | | | | • | 783.1 | | | | | 16.2 | | |
| Approach LOS | | | Ą | | | | 4 | | | | = | | | (| С | |

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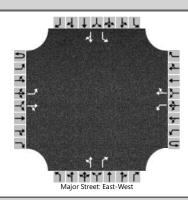
| HCS Two-Way Stop-Control Report | | | | | | | | | | | |
|---|---------------|---------------------------------|------------------------|--|--|--|--|--|--|--|--|
| General Information | | Site Information | | | | | | | | | |
| Analyst | ACD - MIM | Intersection | Glenn Pkwy & Peachblow | | | | | | | | |
| Agency/Co. | | Jurisdiction | ODOT D6 | | | | | | | | |
| Date Performed | 3/7/2024 | East/West Street | Glenn Pkwy | | | | | | | | |
| Analysis Year | 2045 | North/South Street | Peachblow | | | | | | | | |
| Time Analyzed | PM Peak Build | Peak Hour Factor | 0.92 | | | | | | | | |
| Intersection Orientation | East-West | Analysis Time Period (hrs) 0.25 | | | | | | | | | |
| Project Description Peachblow Mixed Use Development | | | | | | | | | | | |



| Vehicle Volumes and Adjustments | | | | | | | | | | | | | | | | |
|---|--------|--------|--------|------|-------|-------|-------|----|-------|-------|-------|------|------|-------|-------|------|
| Approach | Т | Eastb | ound | | | Westl | oound | | | North | bound | | | South | bound | |
| Movement | U | L | Т | R | U | L | Т | R | U | L | Т | R | U | L | Т | R |
| Priority | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 |
| Number of Lanes | 0 | 1 | 2 | 0 | 0 | 1 | 2 | 0 | | 1 | 1 | 0 | | 1 | 1 | 0 |
| Configuration | | L | Т | TR | | L | Т | TR | | L | | TR | | L | | TR |
| Volume (veh/h) | 0 | 59 | 380 | 277 | 0 | 37 | 390 | 5 | | 281 | 1 | 22 | | 3 | 7 | 17 |
| Percent Heavy Vehicles (%) | 3 | 3 | | | 3 | 3 | | | | 3 | 3 | 3 | | 3 | 3 | 3 |
| Proportion Time Blocked | | | | | | | | | | | | | | | | |
| Percent Grade (%) | | | | | | | | | | | 0 | | | | 0 | |
| Right Turn Channelized | | | | | | | | | | | | | | | | |
| Median Type Storage | | | | Undi | vided | | | | | | | | | | | |
| Critical and Follow-up H | eadwa | ys | | | | | | | | | | | | | | |
| Base Critical Headway (sec) | Т | 4.1 | | | | 4.1 | | | | 7.5 | 6.5 | 6.9 | | 7.5 | 6.5 | 6.9 |
| Critical Headway (sec) | | 4.16 | | | | 4.16 | | | | 7.56 | 6.56 | 6.96 | | 7.56 | 6.56 | 6.96 |
| Base Follow-Up Headway (sec) | | 2.2 | | | | 2.2 | | | | 3.5 | 4.0 | 3.3 | | 3.5 | 4.0 | 3.3 |
| Follow-Up Headway (sec) | | 2.23 | | | | 2.23 | | | | 3.53 | 4.03 | 3.33 | | 3.53 | 4.03 | 3.33 |
| Delay, Queue Length, an | d Leve | l of S | ervice | | | | | | | | | | | | | |
| Flow Rate, v (veh/h) | T | 64 | | | | 40 | | | | 305 | | 25 | | 3 | | 26 |
| Capacity, c (veh/h) | | 1119 | | | | 875 | | | | 166 | | 565 | | 171 | | 324 |
| v/c Ratio | | 0.06 | | | | 0.05 | | | | 1.84 | | 0.04 | | 0.02 | | 0.08 |
| 95% Queue Length, Q ₉₅ (veh) | | 0.2 | | | | 0.1 | | | | 22.5 | | 0.1 | | 0.1 | | 0.3 |
| Control Delay (s/veh) | | 8.4 | | | | 9.3 | | | | 448.5 | | 11.7 | | 26.5 | | 17.1 |
| Level of Service (LOS) | | А | | | | А | | | | F | | | | D | | С |
| Approach Delay (s/veh) | | 0 | .7 | | | 0 | .8 | • | 415.4 | | | | 18.1 | | | |
| Approach LOS | | | A | | | | 4 | | | | F | | | (| С | |

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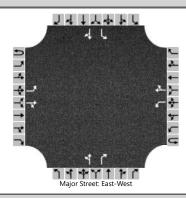
| HCS Two-Way Stop-Control Report | | | | | | | | | | | |
|---|---------------|---------------------------------|---------------------------|--|--|--|--|--|--|--|--|
| General Information | | Site Information | | | | | | | | | |
| Analyst | ACD - MIM | Intersection | Peachblow & Crownover Way | | | | | | | | |
| Agency/Co. | | Jurisdiction | ODOT D6 | | | | | | | | |
| Date Performed | 3/4/2024 | East/West Street | Peachblow | | | | | | | | |
| Analysis Year | 2045 | North/South Street | Crownover | | | | | | | | |
| Time Analyzed | AM Peak Build | Peak Hour Factor | 0.92 | | | | | | | | |
| Intersection Orientation | East-West | Analysis Time Period (hrs) 0.25 | | | | | | | | | |
| Project Description Peachblow Mixed Use Development | | | | | | | | | | | |



| Vehicle Volumes and Adj | ustme | nts | | | | | | | | | | | | | | |
|---|--------|-----------|--------|----|-----------|------|-----|------------|---|------|------|------------|---|------|------|------|
| Approach | | Eastbound | | | Westbound | | | Northbound | | | | Southbound | | | | |
| Movement | U | L | Т | R | U | L | Т | R | U | L | Т | R | U | L | Т | R |
| Priority | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 |
| Number of Lanes | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | | 0 | 1 | 1 | | 1 | 1 | 0 |
| Configuration | | L | | TR | | L | | TR | | LT | | R | | L | | TR |
| Volume (veh/h) | | 8 | 143 | 39 | | 7 | 118 | 25 | | 85 | 0 | 16 | | 59 | 0 | 74 |
| Percent Heavy Vehicles (%) | | 3 | | | | 3 | | | | 3 | 3 | 3 | | 3 | 3 | 3 |
| Proportion Time Blocked | | | | | | | | | | | | | | | | |
| Percent Grade (%) | | | | | | | | | | 0 | | | 0 | | | |
| Right Turn Channelized | | | | | | | | | | No | | | | | | |
| Median Type Storage | | Undivided | | | | | | | | | | | | | | |
| Critical and Follow-up H | eadwa | ys | | | | | | | | | | | | | | |
| Base Critical Headway (sec) | | 4.1 | | | | 4.1 | | | | 7.1 | 6.5 | 6.2 | | 7.1 | 6.5 | 6.2 |
| Critical Headway (sec) | | 4.13 | | | | 4.13 | | | | 7.13 | 6.53 | 6.23 | | 7.13 | 6.53 | 6.23 |
| Base Follow-Up Headway (sec) | | 2.2 | | | | 2.2 | | | | 3.5 | 4.0 | 3.3 | | 3.5 | 4.0 | 3.3 |
| Follow-Up Headway (sec) | | 2.23 | | | | 2.23 | | | | 3.53 | 4.03 | 3.33 | | 3.53 | 4.03 | 3.33 |
| Delay, Queue Length, an | d Leve | l of S | ervice | | | | | | | | | | | | | |
| Flow Rate, v (veh/h) | T | 9 | | | | 8 | | | | 92 | | 17 | | 64 | | 80 |
| Capacity, c (veh/h) | | 1419 | | | | 1369 | | | | 510 | | 864 | | 575 | | 903 |
| v/c Ratio | | 0.01 | | | | 0.01 | | | | 0.18 | | 0.02 | | 0.11 | | 0.09 |
| 95% Queue Length, Q ₉₅ (veh) | | 0.0 | | | | 0.0 | | | | 0.7 | | 0.1 | | 0.4 | | 0.3 |
| Control Delay (s/veh) | | 7.6 | | | | 7.6 | | | | 13.6 | | 9.3 | | 12.0 | | 9.4 |
| Level of Service (LOS) | | А | | | | Α | | | | В | | А | | В | | Α |
| Approach Delay (s/veh) | | 0.3 | | | 0.4 | | | 12.9 | | | | 10.6 | | | | |
| Approach LOS | | А | | | | А | | | В | | | | В | | | |

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| HCS Two-Way Stop-Control Report | | | | | | | | | | |
|---------------------------------|---------------------------------|----------------------------|---------------------------|--|--|--|--|--|--|--|
| General Information | | Site Information | | | | | | | | |
| Analyst | ACD - MIM | Intersection | Peachblow & Crownover Way | | | | | | | |
| Agency/Co. | | Jurisdiction | ODOT D6 | | | | | | | |
| Date Performed | 3/4/2024 | East/West Street | Peachblow | | | | | | | |
| Analysis Year | 2045 | North/South Street | Crownover | | | | | | | |
| Time Analyzed | PM Peak Build | Peak Hour Factor | 0.92 | | | | | | | |
| Intersection Orientation | East-West | Analysis Time Period (hrs) | 0.25 | | | | | | | |
| Project Description | Peachblow Mixed Use Development | | | | | | | | | |



| Vehicle Volumes and Adju | ıstme | nts | | | | | | | | | | | | | | | |
|---|---|-----------|-----|-----------|----|------|------|------------|---|------|------|------------|---|------|------|------|--|
| Approach | Eastbound | | | Westbound | | | | Northbound | | | | Southbound | | | | | |
| Movement | U | L | Т | R | U | L | Т | R | U | L | Т | R | U | L | Т | R | |
| Priority | 1U | 1 | 2 | 3 | 4U | 4 | 5 | 6 | | 7 | 8 | 9 | | 10 | 11 | 12 | |
| Number of Lanes | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | | 0 | 1 | 1 | | 1 | 1 | 0 | |
| Configuration | | L | | TR | | L | | TR | | LT | | R | | L | | TR | |
| Volume (veh/h) | | 21 | 166 | 134 | | 0 | 195 | 30 | | 97 | 0 | 0 | | 53 | 0 | 12 | |
| Percent Heavy Vehicles (%) | | 3 | | | | 3 | | | | 3 | 3 | 3 | | 3 | 3 | 3 | |
| Proportion Time Blocked | | | | | | | | | | | | | | | | | |
| Percent Grade (%) | | | | | | | | | | (| 0 | | | 0 | | | |
| Right Turn Channelized | | | | | | | | | | Ν | lo | | | | | | |
| Median Type Storage | | Undivided | | | | | | | | | | | | | | | |
| Critical and Follow-up He | adwa | ys | | | | | | | | | | | | | | | |
| Base Critical Headway (sec) | | 4.1 | | | | 4.1 | | | | 7.1 | 6.5 | 6.2 | | 7.1 | 6.5 | 6.2 | |
| Critical Headway (sec) | | 4.13 | | | | 4.13 | | | | 7.13 | 6.53 | 6.23 | | 7.13 | 6.53 | 6.23 | |
| Base Follow-Up Headway (sec) | | 2.2 | | | | 2.2 | | | | 3.5 | 4.0 | 3.3 | | 3.5 | 4.0 | 3.3 | |
| Follow-Up Headway (sec) | | 2.23 | | | | 2.23 | | | | 3.53 | 4.03 | 3.33 | | 3.53 | 4.03 | 3.33 | |
| Delay, Queue Length, and | Delay, Queue Length, and Level of Service | | | | | | | | | | | | | | | | |
| Flow Rate, v (veh/h) | | 23 | | | | 0 | | | | 105 | | 0 | | 58 | | 13 | |
| Capacity, c (veh/h) | | 1316 | | | | 1228 | | | | 440 | | 783 | | 452 | | 809 | |
| v/c Ratio | | 0.02 | | | | 0.00 | | | | 0.24 | | 0.00 | | 0.13 | | 0.02 | |
| 95% Queue Length, Q ₉₅ (veh) | | 0.1 | | | | 0.0 | | | | 0.9 | | 0.0 | | 0.4 | | 0.0 | |
| Control Delay (s/veh) | | 7.8 | | | | 7.9 | | | | 15.7 | | 9.6 | | 14.1 | | 9.5 | |
| Level of Service (LOS) | | А | | | | А | | | | С | | А | | В | | Α | |
| Approach Delay (s/veh) | 0.5 | | | 0.0 | | | 15.7 | | | | 13.3 | | | | | | |
| Approach LOS | A | | | | А | | | С | | | | В | | | | | |

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November 17,2023

To whom it may concern,

The partners of Peachblow Road Ltd have requested that we provide this qualification letter. Based on the financial information we have, Peachblow Road Ltd and its partners are qualified real estate investors and valued clients of Buckeye State Bank. We provided the financing for the purchase of the subject land on Peachblow Road.

Please be aware that this letter is not a commitment to lend or a loan approval. Any approval is subject to complete due diligence.

Please contact me with any questions.

Sincerely,

Gary Kovach Vice President

Manager – Commercial Lending

614-796-4745

EXHIBIT F-1















