Perkasie Borough Planning Commission Meeting August 27, 2025

AGENDA

- 1. Meeting Convenes 7:00 PM
- 2. Pledge of Allegiance
- 3. Approval of Minutes May 28, 2025
- 4. Public Forum
- 5. New Business Perkasie Place LLC
- 6. Old Business (None)
- 7. Other Business
- 8. Adjournment

Minutes of Meeting Perkasie Planning Commission May 28, 2025

620 W. Chestnut Street Perkasie, PA 18944

Attendance:

Planning Commission Heather Nunn

Maureen Knouse (Absent)

Mairi Schuler

Mary McKay (Absent)

Dave Weaver
Dale Schlegel
Kim Bartells
Kelly Laustsen
Quinten Baker

Borough of Perkasie: Cassandra L. Grillo, Borough Zoning Officer

Linda J. Reid, Assistant Borough Manager Adrianne Blank, R.L.A., Borough Planner Timothy Wallace, Borough Engineer (absent Attorney Brandon Callahan, Borough Solicitor

Dale Schlegal called the meeting to order at 7:00PM. The Pledge of Allegiance was recited, and it was acknowledged there was a quorum and business before the Commission.

APPROVAL OF MINUTES:

Upon a motion by Mairi Schuler, and seconded by Dave Weaver, the Planning Commission meeting minutes of April 23, 2025 were unanimously approved.

Public Forum

None

NEW BUSINESS

None

Old Business

1. Keep of Fowl Ordinance Amendments

• Mr. Weaver asked if the construction material requirements could be easily enforced. Ms. Grillo confirmed that they could.

- Ms. Laustsen asked whether the ordinance requires a waste removal plan. Ms. Reid stated that while the ordinance requires chicken coops to be kept clean, dry, and odorfree, it does not currently require a formal plan. This could be added if desired.
- Ms. Nunn asked if plan information would be submitted with zoning permits. Ms. Reid noted that the draft ordinance does not require this but could be amended to recommend it.
- Mr. Baker requested clearer definitions of "rooster" and "male chicken."

Recommendation:

The Commission recommended approval to Borough Council with the following conditions:

- 1. The Solicitor clarifies the definitions section and specifically excludes male chickens.
- 2. A provision is added for waste disposal and removal requirements.

Motion made by Ms. Schuler, seconded by Ms. Nunn. The Commission approved the motion, with Ms. Laustsen opposed.

2. Roadside Stands Ordinance Amendments

- The Commission reviewed the ordinance.
- Ms. Laustsen questioned the distance requirement, noting that for residential uses it
 was amended from "distance to centerline" to "line-of-sight." Ms. Reid confirmed this
 change did not apply to commercial uses.
- Mr. Schlegel raised a concern regarding clarity on prohibiting roadside stands from being placed on sidewalks or within the street line.

Recommendation:

The Commission recommended approval to Borough Council with the condition that the Solicitor amend Paragraph 1 to clearly state: "No roadside stands shall be allowed on sidewalks or within the street line."

Adjournment

With no other business, Mairi Schuler made a motion to adjourn, seconded by Dave Weaver. The meeting was adjourned at 7:33 PM.

Adjournment

With no other business Mairi Schuler motioned to adjourn the meeting, Dave Weaver seconded. Meeting was adjourned at 7:33PM.

| Heather | Nunn - Secretary |
|---------|------------------|



Borough of Perkasie

P. O. Box 96 620 W. Chestnut St. Perkasie, Pennsylvania 18944

(215)257-5065 Fax (215)257-6875

To: Perkasie Planning Commission **From:** Cassandra L. Grillo, CZO **Date**: September 18, 2025

Re: 505 Constitution Ave / Perkasie Square Shopping Center / Perkasie Place LLC

Background:

The Borough has received a sketch plan application from **Perkasie Place LLC** for a meeting to discuss the potential development of the **vacant lot adjacent to Mavis Tire on Constitution Avenue (505 Constitution Avenue, TMP #33-009-001)**. A small portion of the western corner of this tract, along Constitution Avenue, lies within Sellersville Borough.

The parcel is owned by **Pacaz Realty LLC** and is currently under **Agreement of Sale with Perkasie Place LLC**, a company that builds and manages rental residential apartment communities.

The lot remains part of the same parcel as the **Perkasie Square Shopping Center** that was developed in the 1980s. In 2016, an application was submitted by Carlyle Management to subdivide the parcel into two. Borough Council approved the subdivision by Resolution after Planning Commission review; however, the process was never completed. Perkasie Place LLC proposes to complete the minor subdivision as part of their acquisition.

Subdivision Conditions (2016):

- Easement to allow the developer of Perkasie Woods to complete pedestrian access (trail) between Perkasie Woods and the Shopping Center.
- Easement to allow connection between the two lots.

Zoning:

The property is currently zoned **I-2 Light Industrial District**, which permits:

- Planned Commercial Development (PCD)
- Various retail, office, and light industrial uses by right.

Proposal:

Perkasie Place LLC is exploring the possibility of rezoning a recently subdivided parcel for development as a managed rental residential community. The applicant had initially submitted a Zoning Hearing Board application seeking a use variance to permit multifamily residential use within the I-2 Industrial District.

As an alternative path, the applicant may also petition Borough Council directly to request a zoning map amendment to reclassify the parcel into a residential zoning district.

However, they have elected to present a sketch plan to the Planning Commission in order to gather feedback and public comment on the concept.

The preliminary concept design includes:

- Five apartment buildings,
- Approximately 75 total apartment units,
- Primary vehicular access through Perkasie Square Shopping Center.

Discussion Points:

Last Undeveloped Commercial Lot

This tract represents Perkasie's last remaining undeveloped, commercially zoned parcel. Its position at the Borough gateway, directly adjacent to Perkasie Square (a Planned Commercial Development), makes it strategically significant for potential commercial use. Rezoning the property to residential would remove the opportunity for future commercial development at this location.

Consistency with the Comprehensive Plan

The Borough's Comprehensive Plan (2014) designates this parcel for Planned Commercial Development, with a recommendation to rezone from I-2 Industrial to C-1 Business Professional District. The intent was to encourage shopping center—type uses while eliminating the potential for heavier industrial activity. C-1 zoning could also attract national retailers, similar to those found in the Glenwood Shopping Center area. However, the overall demand for commercial properties has shifted since the Comprehensive Plan was adopted, reflecting changes in national and regional market conditions.

Retail Market Challenges

Perkasie Square, like many neighborhood shopping centers, faces persistent vacancies. Broader retail trends show a decline in brick-and-mortar activity as consumers increasingly turn to online shopping, a shift that has accelerated in recent years. These pressures have contributed to underutilization within the center and present challenges for sustaining or expanding similar commercial development.

Regional Competition

In addition to e-commerce, Perkasie Square competes with larger, newer retail centers along Route 309. Shopping plazas in nearby Quakertown and Montgomeryville feature a broad mix of anchors and national tenants—including Buffalo Wild Wings, Five Below, Kohl's, and Lowe's—that draw steady regional traffic.

Transitional Location and Park Connectivity

The parcel sits at the transition between Constitution Avenue's commercial corridor and adjacent residential neighborhoods. It is also directly connected to the Borough's park system, with Lenape Park and its trail network along the East Branch Perkiomen Creek adjoining the site. This greenway links to Kulp Park and Menlo Park, providing access to athletic fields, trails, playgrounds, and the community pool.



BOROUGH OF PERKASIE

620 W. Chestnut St P.O. Box 96 Perkasie, PA 18944

(215)257-5065 Fax (215)257-6875

SUBDIVISION/LAND DEVELOPMENT APPLICATION

| Date of Application: 8/6/25 Date of Plan | or Revision:2/27/25 |
|--|---|
| APPLICATION FOR: | Sez |
| | ☐ Lot Line Change |
| □ Land Development □ Preliminary Plan | ☐Minor Subdivision |
| □Final Plan | 18 |
| NAME of Subdivision or Land Development: Perkasie Plac | e the name for the Duralion of the Project |
| Location: 503-545 Constitution Avenue | |
| Tax Parcel No(s): 33-009-001 (a portion of) | 7. |
| Total Acreage Gross: 7.939 Net Buildable | e Site Area: |
| ZONING REQUIREMENTS: | |
| Zoning District 1-2 Minimum Lot Size 2 acres | Maximum DensityTBD |
| Yard Setbacks: Front 40 Side 40 Rear 40 Nu | mber of Lots or Dwelling Units: 75 proposed |
| Water Supply: □Private XPublic | 2 |
| Sewer Service: □On-Lot X Public | |
| EQUITABLE OWNER of Record of Land: Perkasie Place LLC | <i>y</i> |
| Address: P.O. Box 538, Doylestown, PA 18901 | Phone:215-429-4426 |
| APPLICANT: Perkasie Place LLC | * |
| Email: mtulio@csacinc.net | |
| Address: Same as Equitable Owner | |
| REGISTERED ENGINEER OR SURVEYOR: C2C Design Grou | ıp / Chuck Frantz, PE |
| Email: cfrantz@c2cdg.com | Phone: 610-860-6050 Ext 101 |

Address: 37 East Penn Avenue, Wernersville, PA 19565

| This is to certify that I have read the Perkasie Borough Subdivision and Land Development Ordinance and that the |
|--|
| accompanying plan meets the requirements of the ordinance to the best of my knowledge. |
| |

Signature of Property Owner

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Signature of Registered Engineer or Surveyor

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BOROUGH OF PERKASIE

620 W. Chestnut St P.O. Box 96 Perkasie, PA 18944 (215)257-5065 Fax (215)257-6875

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Subdivision & Land Development Plan Submission Checklist

| Date of Application: |
|--|
| Subdivision/Land Development Name: Perkasie Place |
| Address of Property: 503-545 Constitution Avenue |
| Owner(s) Name: PACAZ Realty, LLC |
| Ápplicants Name: Perkasie Place LLC |
| Tax Map Parcel Number: 33-009-001 (a portion of) |
| Plan Sets – Folded to 8 ½ x 11: (11 Total) |
| Planning Commission – 8 CopiesBoro File – 2 Copies |
| Borough Engineer – 1 Copy |
| The applicant must show proof of submission to the outside agencies listed below, as applicable, (stamped copy or cover letters and copy of application form). The following plan sets are subject to the requirements of the outside agency and must be submitted to the outside agency by the applicant . To be supplied at a later date |
| Bucks County Planning Commission (1 Copy) |
| Bucks County Conservation District (1 Copy) |
| Supplying Water Authority (1 Copy) |
| Bucks County Department of Health (1 Copy) |
| Penn DOT (Highway Permit) |
| Army Corps of Engineers (Wetlands) |

APPLICATION FORMS & FEES ARE TO BE SUBMITTED TO THE BOROUGH. All applications must include these items or the application will be considered administratively incomplete and returned to the applicant.

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BOROUGH OF PERKASIE

PLAN CHECKLIST

(To Be Completed by Applicant)

GENERAL SUBMISSION ITEMS - Does the submission include:

Note (Insert NA if not applicable)

PLAN REQUIREMENTS - Do the Plans have:

| 1 | 119 | | 1. | Plan drawings at a size of 24" x 36" |
|------|-----------|-------|-----|---|
| | | | 2. | A scale of $1'' = 50$ ' or $1 = 100$ '? |
| | | | 3. | Dimensions set in feet and decimal part thereof and bearings in |
| | | | | degrees, minutes and seconds? |
| / | | - | 4. | Sheets numbered and show relationship to the total number of |
| | | | | sheets? |
| | | | 5. | An adequate legend indicating clearly which features are existing |
| | | | | and which are proposed? |
| | | | | |
| | Ŷ | | GEN | ERAL INFORMATION - Do the Plans have: |
| Yes* | <u>No</u> | Sheet | No. | |
| / | | | 6. | Name and address of Owner? |
| / | | | 7. | Name and location of subdivision or land development? |
| / | | | 8. | Graphic and/or written scales? |
| V | / | - | 9. | Date of plan and all subsequent revision dates? |
| | | - | 10. | Name and address, signature and seal of the licensed engineer or |
| | | | | surveyor responsible for the Plan? |
| _ | | | 11. | Location map at a minimum scale of 1" = 800'? |
| | | | 12. | North arrow? |
| / | | | 13. | Site boundaries survey with tie-ins to all adjacent streets? |
| / | | | 14. | Location and type of existing monuments? |
| | | | 15. | Forested areas? |
| 1 | | (| 16. | Watercourses, lakes and wetlands (with names, if any)? |
| | | | | |

Do the plans include the location of the following existing features on the site being subdivided or developed and within 400 feet of the site:

| Yes* | No | Shee | t No. | |
|------|----|------|-------|--|
| _ | | | 17. | Streets and rights-of-way (including name and right-of-way |
| / | • | | | widths)? |
| | - | | 18. | Existing lot layout on the site and on immediately adjacent tracts? |
| | - | | 19. | Property lines, building locations, driveway locations, and names |
| | | | | of adjacent property owners? |
| | | | 20. | Sewer lines, storm drains and easements, other utilities? |
| | | | 21. | Pennsylvania One-Call Serial No. and note. |
| | | | PRO | POSED FEATURES - Do the Plans show: |
| N/A | | | 22. | Layout of streets with center lines, cartways and right-of-ways, and |
| , | | | | proposed names? |
| | | | 23. | Layout of lots and dimensions? |
| | | | 24. | Building setback lines from all lot lines? |
| | | | 25. | The arrangement and use of buildings and parking areas with all |
| | | | | necessary dimensions and number of parking spaces? |
| MA | | - | 26. | Rights-of-way and easements for all drainage, utilities, (electric, |
| | | | | gas, telephone, and CATV) or other purpose which might affect |
| | | | | development? |
| _ | | | 27. | Open space areas, proposed use and maintenance? |
| | _ | | 28. | Proposed monuments and individual lot pins. |
| | | | 29. | Applicable zoning requirements and the location of zoning district |
| | | | | boundary lines affecting the subdivision. |
| 781 | 0 | | 30. | A reference to any land to be dedicated for parks, recreation areas, |
| | | | | widening of streets or other public uses. |
| | | | 31. | For multi-family developments, the total area, total dwelling units, |
| | | | | number of buildings, proposed total parking spaces, building |
| | | | | coverage and the bedroom ratio shall be on the plan. |
| | | | | |

| | ~4 | | |
|------------|-----------------|-------|--|
| Yes* No | Shee | t No. | |
| NIA | | 32. | An indication of any lots in which other than a residential use is |
| | | | intended. |
| | | 33. | For subdivisions, the total area, number of lots, average and minimum |
| 3775-35 | | | lot size shall be noted on the plan. |
| TB0 | | 34. | The location and size of storm drains, stormwater management |
| | | | facilities, sanitary sewers, culverts, watercourses and all appurtenances |
| | | | thereof, on-site sewage disposal facilities, gas mains, electric facilities, |
| | | | water mains, fire hydrants, street lights, planting, special structures |
| | | | and other underground conduits or structures. |
| T80 | | 35. | Typical cross sections and centerline profiles for each proposed street. |
| | · | | These plans may be submitted as separate sheets. Where the plan |
| | | | covers only a part of the owner's entire holding, a sketch shall be |
| | | | submitted of the prospective street layout for the remainder. |
| TBO | | 36. | A plan for planting is required for open space subdivision; this plan |
| | | 30. | |
| | | | shall show the location of all existing trees greater than three (3) |
| TOO | | | inches in caliper. All new plantings shall indicate species and size. |
| TBO | | 37. | The location of all trees to be saved. |
| <u>TBO</u> | - | 38. | The tree protection zone. |
| +60 | | 39. | The location of proposed retaining walls. |
| | | 40. | A table showing open space ratio, density and impervious surface |
| | | | ratio. |
| TBO | V <u>===2</u> 2 | 41, | Estimated average and peak volumes of water needed to serve the |
| | | | proposed subdivision or land development and an indication of the |
| | | | available water volume for fire flow and the water volume required to |
| | | | satisfy the Insurance Services Office (ISO) standards for fire |
| | | | protection. |
| MA | | 42. | |
| | | 44. | Owners Statement of Acknowledgment |

Plan eneck wit

| Yes* No | Sheet | No. | |
|------------|-----------|-----------|--|
| T80 | - | 43. | The signature block for the Chairman and Secretary of the Borough |
| | | | Planning Commission? |
| TOO | | 44. | The signature block for Executive Director of the Bucks County |
| | | | Planning Commission. |
| TBO | - | 45. | The signature block for the Borough Engineer. |
| 700 | - | 46. | The signature block for the President and Secretary of the Borough |
| | | | Council. |
| | | | |
| | | | |
| Prepared B | sy: Occio | 8ka | fleres & Accepted by: |
| Date: | 8/5/2 | 5 | Date: |
| Signature: | 0 | me | Signature: |
| | Applica | int or re | presentative Borough Official |
| | | / | |

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BOROUGH OF PERKASIE

620 W. Chestnut St P.O. Box 96 Perkasie, PA 18944 (215)257-5065 Fax (215)257-6875

SUBDIVISION / LAND DEVELOPMENT 90-DAY REVIEW WAIVER

| Date: |
|---|
| Borough Manager Perkasie Borough 620 W. Chestnut St. P.O. Box 96 Perkasie, PA 18944 |
| Re: Subdivision/Land Development Plan of Pelesse Place, UC |
| On, 20, 20, 20, 20, 20, 20, 20, 20, 20 |
| Please be advised that, notwithstanding, any contrary provision of the Pennsylvania Municipalities Planning Code or the Perkasie Borough Code, this letter will serve as notice to Perkasie Borough that the requirement that action be taken on this subdivision proposal within ninety (90) days is hereby waived, without limitation as to time. |
| This Waiver can be revoked upon thirty (30) days written notice to Perkasie Borough. |

Very truly yours,

Omles
Omio Shafhonite
Amorney for Applicant

PURCHASE AND SALE AGREEMENT

THIS AGREEMENT ("Agreement") is made this _______ day of December 2024 ("Effective Date") by and between PACAZ REALTY, LLC, a Pennsylvania limited liability company with an address of c/o Gerald Simon, CFO, Carlyle Management Corporation, 5355 Town Center Rd, Suite 430 Boca Raton, FL 33486 ("Seller") and PERKASIE PLACE LLC, a Pennsylvania limited liability company with an address of P.O. Box 538, Doylestown, PA 18901, or its nominee or assignee ("Buyer"). For purposes of this Agreement, the "Effective Date" shall be the date this Agreement is last signed by the Buyer and Seller.

In consideration of the mutual promises and agreements herein contained, and intending to be legally bound hereby, the Buyer and Seller agree as follows:

Agreement to Sell and Purchase. Seller owns that certain lot or piece of ground located at 505 Constitution Avenue, Perkasie Borough, Bucks County, Pennsylvania, also known as Bucks County Tax Map Parcel No. 33-009-001 and consisting of approximately \pm 22.18 acres as described on Exhibit "A-1" attached hereto. Seller hereby agrees to sell and convey to Buyer, who hereby agrees to purchase all that certain lot or piece of ground consisting of approximately \pm 7.94 acres to be subdivided, at Buyer's expense, from the Seller's ± 22.18 acres which lot or piece of ground is legally described on Exhibit "A-2" and depicted as Lot 2 on the Survey prepared by Nave Newell, Inc. dated November 5, 2015 attached as Exhibit "A-3" (the "Property"), such that Seller shall retain approximately ± 14.24 acres of the land depicted as Lot 1 on the Survey as described on Exhibit "A-3" (the "Retained Lands"). Buyer acknowledges that the Property consists of undeveloped vacant land without any improvements thereon. Subject to Section 4(c) of this Agreement, the approximate location and approximate dimensions of the Property and Retained Lands shall be adjusted as needed to comply in all respects with the applicable subdivision and land development ordinances of Perkasie Borough. In addition, Seller shall grant and convey to Buyer at no additional fee to Buyer such easements across the Retained Lands or adjacent lands of Seller as are necessary to develop the Property in accordance with Buyer's Plan (as hereinafter defined), such easements to include, but not to be limited to, easements for ingress and egress, water service, sanitary sewer service, stormwater management facilities, electric, telephone, data, gas, access or cable television. Buyer shall pay for the cost to survey, engineer, document, and record necessary easements. Notwithstanding the foregoing, the subdivision, easements or any of the approvals to be obtained by the Buyer for Buyer's Intended Use of the Property as defined or described herein in no way shall prohibit or limit the Retained Lands from continuing to be used as a commercial shopping center, similar in size as depicted on Exhibit "A-3" or otherwise result in any changes to the existing zoning laws, use regulations, parking requirements, site and setbacks requirements, permits, approvals and license as presently existing for the use and operation of the Shopping Center or retained Lands. The provisions of this paragraph shall survive Settlement and the delivery of the Deed for the Property.

2. Purchase Price.

| (a) Purchase Price. | The purchase price for the Property, subject to adjustments |
|---------------------------------------|---|
| as provided in this Agreement, s | hall be |
| and 00/100 Dollars (\$ | "Purchase Price"). The Purchase Price shall be paid by |
| Buyer to Seller as follows: | |

- (i) Buyer shall deposit the sum of and 00/100 Dollars (\$ Deposit") with Escrow Agent within five (5) days of the complete execution of this Agreement, which shall be credited to the Purchase Price at Closing, should Closing occur; and
- (ii) the balance of the Purchase Price shall be paid in full at the time of Closing by good funds, certified or cashier's check, or by wire transfer of immediately available federal funds.

Due Diligence Contingency.

- (a) For a period of sixty (60) days from the Effective Date ("Due Diligence Period"), Subject to the provisions of paragraph 13, the Buyer shall have the absolute right to determine the feasibility of purchasing the Property and shall be entitled to conduct investigations and examinations of all documentation relating to the Property as well as documentation in possession of Seller for that purpose, which may include any or all of environmental (Phase I and II) investigation, zoning, economic feasibility studies, zoning, engineering, and any other feasibility study deemed necessary by Buyer at Buyer's sole discretion. Buyer shall have the right to terminate this Agreement at any time prior to the expiration of the Due Diligence Period if Buyer is not satisfied for any reason or no reason as a result of its investigation/examination. Should Buyer determine that the results of the investigation are unsatisfactory, Buyer shall notify Seller in writing of this election prior to the expiration of the Due Diligence Period and the Deposit shall be refunded to Buyer (subject to the provisions of paragraph 13), at which time the parties shall have no further liability to each other and this Agreement shall have no further effect.
 - (b) Intentionally Deleted.
- (c) In the event Buyer notifies Seller prior to the end of the Due Diligence Period of its election to terminate the Agreement, Buyer shall be entitled to a refund of the Deposit from Escrow Agent.
- 4. **Zoning & Land Development Contingencies**. Buyer's purchase of the Property is expressly contingent upon Buyer obtaining zoning and land development approvals for Buyer's intended use of the Property, being multifamily apartment housing not exceeding two stories in height or seventy (70) units ("Buyer's Intended Use"). Following the Due Diligence Period, Buyer shall have the following contingency periods:
 - (a) Following the Due Diligence Period, Buyer shall have one-hundred-eighty (180) days to obtain the necessary zoning relief or approvals (the "Zoning Approvals") from the Borough to allow Buyer's Intended Use ("Zoning Approval Contingency Period"). Buyer shall use commercially reasonable efforts to obtain the necessary zoning relief or approvals for Buyer's Intended Use. In the event that Buyer is unable to obtain the necessary zoning relief or approvals prior to the end of the Zoning Approval Contingency Period, despite Buyer's commercially reasonable efforts, Buyer may notify Seller of its election to terminate this Agreement and Buyer shall be entitled to a refund of the Deposit from Escrow Agent. In the event an appeal to the Bucks Court of Common Pleas is necessary to for Buyer to obtain its Zoning Approval, Buyer shall have a day-for-day extension of the Zoning Approval

Contingency, and Buyer shall use commercially reasonable efforts to prosecute its appeal. If Buyer's appeal to the Court of Common Pleas is denied, Buyer shall be entitled to a refund of the Deposit.

- Following the Zoning Approval Contingency Period, Buyer shall have threehundred (300) days to obtain final and unappealable subdivision and land development approvals from the Borough of Perkasie, inclusive of any and all necessary permits and approvals from utility providers, and any other outside agency including but not limited to the Pennsylvania Department of Transportation, the Pennsylvania Department of Environmental Protection, and any other agency having jurisdiction over the Property that requires approval for Buyer to record a final land development plan for Buyer's Intended Use ("Land Development Approvals"), for which Buyer shall use commercially reasonable efforts to obtain ("Land Development Contingency Period"). In the event Buyer is unable to obtain its Land Development Approvals prior to the end of the Land Development Approval Contingency Period, despite Buyer's commercially reasonable efforts, Buyer may (i) terminate this Agreement and receive a refund of the Deposit; or (ii) Buyer may exercise an extension of one-hundred-fifty (150) days to complete its Land Development Approvals ("Land Development Extension Period") by providing written notice of such exercise in writing to Seller prior to the conclusion of the Land Development Contingency Period ("Land Development Extension"). If Buyer exercises the Land Development Extension, Buyer shall make an additional deposit of ONE-HUNDRED-FIFTY-THOUSAND and xx/100 (\$150,000.00) dollars to Escrow Agent ("Extension Payment"), which shall be refundable, but applicable to the Purchase Price at Closing. If Buyer is unable to obtain its obtain its Land Development Approvals prior to the end of the Land Development Extension Period, despite Buyer's commercially reasonable efforts, Buyer may (i) terminate this Agreement and receive a refund of the Deposit and Extension Payment. If Buyer fails to give such written notice of its election to terminate this Agreement prior to 5:00 PM on the expiration of the Land Development Contingency Period or if extended, the Development Extension Period, then Buyer shall be deemed to have waived its right to terminate this Agreement based upon this Section 4 and the Deposit shall thereafter be non-refundable to Buyer, except as otherwise expressly provided in this Agreement.
- (c) Related to Buyer's Zoning Approvals or Land Development Approvals, Buyer shall complete the necessary subdivision of the Property from the Retained Lands consistent with Exhibit A-3 at Buyer's sole cost and expense. Moreover, it shall be a condition precedent to Closing that Buyer provide confirmation reasonably satisfactory to the Seller that the subdivision, easements or any of the approvals to be obtained by the Buyer for Buyer's Intended Use of the Property as described herein in no way shall prohibit or limit the Retained Lands from continuing to be used as a commercial shopping center, similar in size as depicted on Exhibit "A-3", or otherwise result in any changes to the existing zoning laws, use regulations, parking requirements, site and setbacks requirements, permits, approvals and license as presently existing for the use and operation of the shopping center or Retained Lands.
- (d) The Buyer shall use all diligent and commercially reasonable efforts to satisfy the foregoing contingencies and obtain the Zoning Approvals and Land Development Approvals (collectively, the "Approvals")_required for Buyer's Intended Use under this Section 4. Buyer shall, at its sole expense, submit all necessary applications and documentation

to obtain the and shall provide the Seller with proof of such submittals for such Approvals, including but not limited to, copies of the applications, plans, and any other relevant documents, within ten (10) days of submission. The Buyer shall also provide written notice to the Seller of any material issues encountered during the approval process. If the Buyer fails to meet the foregoing due diligence obligations, including failing to apply for the necessary approvals in a timely manner the Seller may terminate this Contract and retain the Deposit as liquidated damages. Prior to exercising such termination right, Seller shall provide Buyer with Fifteen (15) days' notice with an opportunity to cure any failure on the part of Buyer in meeting its obligations under this Section 4.

- 5. Status of Escrow Agent. Land Services USA, ATTN: Art Keegan, Two Liberty Place, 1835 Market Street, Suite #420, Philadelphia, PA 19103, with an email address of (akeegan@lsutitle.com) shall be deemed the Escrow Agent ('Escrow Agent'). It is expressly understood, covenanted and agreed that:
 - (a) Escrow Agent is acting as an agent only, and will in no event whatsoever be held liable to either party for the performance of any term or covenant of this Agreement, or for damages for non-performance thereof;
 - (b) The duties of Escrow Agent are only as herein specifically provided and are purely ministerial in nature, and Agent shall incur no liability whatever except for willful misconduct or negligence, as long as Escrow Agent has acted in good faith;
 - (c) In the performance of its duties hereunder, Escrow Agent shall be entitled to rely upon any document, instrument or signatures believed by it to be genuine and signed by either of the other parties or their successors;
 - (d) Escrow Agent may assume that any person purporting to give any notice of instructions in accordance with the provisions hereof has been duly authorized to do so;
 - (e) Escrow Agent shall not be bound by any modification, cancellation or rescission of this Agreement unless in writing and signed by Seller, Buyer and Escrow Agent.
 - (f) The provisions of this Paragraph 5 shall survive the termination of this Agreement.
 - (g) Escrow Agent is acting as a stakeholder only with respect to the Deposit (the "Deposit Money"). If there is any dispute as to whether Escrow Agent is obligated to deliver the Deposit Money or as to whom the Deposit Money is to be delivered, Escrow Agent shall not be required to make any delivery, but in such event Escrow Agent may hold the same until receipt by Escrow Agent of an authorization in writing, signed by all of the parties having any interest in such dispute, directing the disposition of the Deposit Money and any interest accrued thereon or until the final determination of the rights of the parties in an appropriate proceeding. If such written authorization is not given, or proceedings for such determination are not begun within thirty (30) days after Settlement was to have occurred, Escrow Agent may, but is not required to, bring an appropriate action or proceeding for leave to deposit the Deposit Money in court pending such determination. Escrow Agent shall be reimbursed for all costs and expenses of such action or proceeding by Seller and Buyer including, without

limitation, reasonable attorneys' fees and disbursements. Upon making delivery of the Deposit Money in the manner provided in this Agreement, Escrow Agent shall have no further liability hereunder or to Buyer or Seller.

6. <u>Settlement</u>. Settlement/Closing of this Agreement ("Settlement" or "Closing") shall occur thirty (30) days after Buyer obtains its Land Development Approvals ("Settlement Date").

7. Title.

- (a) Title to the Property conveyed shall be good and marketable, free and clear of any mortgages, liens, encumbrances, subject however to:
- (i) The state of facts as would be shown on an accurate survey of the Property, provided such facts do not render title to the Property unmarketable;
- (ii) Zoning regulations, and municipal building restrictions, and all other laws, ordinances, regulations and restrictions of any duly constituted public authority enacted prior to the closing date;
- (iii) Other covenants, easements and restrictions which do not adversely affect the use of the Property as permitted by zoning and related ordinances and laws on the date hereof, as well as grants to utility and/or power companies, the rights of the public in sidewalks and abutting public rights-of-way, and easements given to the public for water course maintenance, slope rights or sight rights;
 - (iv) Current taxes not due and payable;
- (v) Any other matter which would constitute an Objection (as hereinafter defined) that the Buyer does not waive pursuant to the following subsection of this Agreement, provided that a title insurance company authorized to do business in the State of Pennsylvania agrees (at normal rates to be paid by the Buyer) that it will insure title free of such Objection or with affirmative insurance against the enforcement of such Objection against the Property;
- (vi) Those items listed on Schedule B-Part II ALTA Commitment for Title Insurance issued by Chicago Title Insurance Company referenced under Issuing Office File No. SPA49106 CHI dated as of June 18, 2024 annexed hereto as Exhibit B to the extent that they affect the Property ("Permitted Exceptions"), but excluding an mortgages listed therein.
- (b) The term "Objection" shall mean any title defect or encumbrance (including any lien), other than the matters referred to in subsection (a) above, which renders title to the Property unmarketable.
- (c) Not later than ten (10) business days after the date of this Agreement, Buyer shall order, at the Buyer's expense, a title report or title commitment from a title insurance company authorized to do business in Pennsylvania. Within ten (10) days after its receipt of such title report or title commitment, the Buyer shall give written notice of any Objections to the Seller. The Buyer shall be deemed to have waived any Objection not specified in such

notice that is either set forth in such report or commitment or is otherwise known to the Buyer.

- (d) The Seller shall have no obligation to bring any action or proceeding or otherwise to incur any expense or liability (contingent or otherwise) to remedy an Objection. If the Seller is unable to convey title in accordance with this Agreement or does not elect to remedy any Objection, the Buyer may elect in the case of non-monetary objections, either (i) to accept such title as the Seller is able to convey on the closing date, without any reduction of purchase price or any credit or allowance on account thereof or any other claim against the Seller, or (ii) to rescind this Agreement. In the case of objections, involving the existence of liens or judgments Buyer may elect either (i) to pay such lien or judgment in the event of the Seller's failure to do so and receive an appropriate reduction of Purchase Price or credit at the time of closing; or (ii) to rescind this Agreement. In either event, such election shall be made by the Buyer within five (5) business days of written notice by the Seller to the Buyer to the effect that the Seller is unable to convey title in accordance with this Agreement or does not elect to remedy an Objection.
- (e) Seller shall have the right to remedy any Objection. For the purpose of remedying Objections, the Seller shall have the right to one or more adjournments of the closing date for an aggregate period not exceeding one hundred twenty (120)) days. If the Seller fails to remedy the Objections prior to the adjourned closing date, the provisions of subsection (d) above shall be applicable, and the Seller shall be deemed to have elected not to remedy the Objections.
- If, at the closing date, there are any other liens, taxes or encumbrances which Seller is obligated to pay and discharge, Seller specifically authorizes Buyer's closing agent to use such portion of the balance of the Purchase Price as is needed to satisfy the same, provided the Seller shall simultaneously either deliver to the Buyer at closing, title instruments in recordable form and sufficient to satisfy such liens and encumbrances of record, together with the cost of recording and filing said instruments; or, provided that the Seller has made arrangements with the title company, Seller may deposit with the title company sufficient monies, acceptable to and required by the title company to insure the obtaining and recording of such satisfactions and the issuance of title insurance to the Buyer either free of any such liens and encumbrances, or with insurance against enforcement of same against the insured Property. The Buyer, if request is made within a reasonable time prior to the date of Closing, agrees to provide at the Closing separate certified checks and wired funds as requested, aggregating the amount of the cash balance of the Purchase Price, to facilitate the satisfaction of any such liens or encumbrances. The existence of any taxes or other liens or encumbrances shall not be deemed Objections to title if the Seller shall comply with the foregoing requirements.

Deliveries at Closing.

(a) At Closing, Seller shall deliver to the Title Company or Buyer directly, as Seller may elect, the following original documents executed by Seller and in customary form as approved by Seller's counsel, which may include copies of electronically scanned signature documents where only electronic versions were provided to Seller:

- (i) A special warranty deed (the "Deed") conveying to Buyer the Property, subject to the Objections (defined herein) not removed as per section 7. (b);
- (ii) Bill of Sale and/or Assignment for the Property, if necessary, of any agreements, leases, security deposits, prorated rents as of Closing, approvals, development plans, and work product from Seller's engineering or other consultants related to the Property (the "Assignment and Assumption");
- (iii) Certificate of Non-Foreign Status as required by Section 1445 of the Internal Revenue Code;
- (iv) An executed closing statement prepared by Buyer's title company in a manner which reflects the terms and conditions, as applicable, of this Agreement and otherwise in a form reasonably acceptable to Buyer (the "Closing Statement");
- (v) Any reasonable and customary documentation required by the Title Company in order for the Title Company to issue the Title Policy.
 - (b) At Closing, Buyer shall deliver to the Title Company or Seller the following:
- (i) The balance of the Purchase Price in accordance with this Agreement, plus Buyer's share of closing costs;
 - (ii) An executed Assignment and Assumption;
 - (iii) An acknowledgement of Buyer's acceptance of the Closing Statement;
- (iv) A certificate of Non-Foreign Status as required by Section 1445 of the Internal Revenue Code; and
- (v) Any reasonable and customary documentation required by the Title Company in order for the Title Company to issue the Title Policy.
- 9. Representations & Warranties of Seller. The Buyer acknowledges and confirms that the Buyer, except as expressly set forth in this Agreement, is not relying on any representation or inducement which was or may have been made or implied by the Seller or any other party acting on behalf of the Seller with respect to the Property or any circumstances or conditions affecting the Property and Seller shall have no liability or obligation in connection with any such conditions. However, to the best of its actual knowledge, without investigation, Seller represents as follows:
 - (a) Seller is the legal owner of the Property and the person signing this Agreement has the requisite authority to bind the Seller.
 - (b) The Seller has not received or been the subject of any notices of violations or potential liability, claims, requests for information, suits or any other administrative civil or criminal proceedings or investigations with respect to the Property under any applicable environmental laws.

- (c) Seller has not received notice of any pending condemnation proceedings affecting the Property, and no condemnation proceedings have been threatened that would adversely affect the Property;
- (d) There are no leases, tenancies, licenses or other claims or rights of occupancy or use for any portion of the Property;
- (e) No portion of the Property is currently being used, or to the best of Seller's knowledge, has been used, for the disposal, storage, treatment processing or other handling of waste, contaminants, toxic substances or other hazardous substances as set forth in applicable federal and state law;
- (f) Seller will not further sell, encumber, convey, assign, or contract to sell, convey, assign, pledge, encumber or lease all or any part of the Property, nor take or cause to be taken any action in conflict with this Agreement unless this Agreement is terminated pursuant to its terms;
- (g) To the best of Seller's knowledge, the Property and all operations conducted thereon, are now and, to the best of Seller's knowledge, always have been in compliance with all federal, state, and local statutes, ordinances, regulations, rules, standards, and requirements of common law concerning or relating to industrial hygiene and the protection of health and the environment (collectively, "Environmental Laws"). Seller has not received notice that there are conditions on, about, beneath or arising from the Land which might give right to liability, the imposition of a statutory lien or require "Response," "Removal" or "Remedial Action," as defined herein, under any of the Environmental Laws. As used in this Agreement, the terms "Response," "Removal" and "Remedial Action" shall be defined with reference to Sections 101(23) 101(25) of the Comprehensive Environmental Response, Compensation and Liability Act ("CERCLA"), as amended by the Superfund Amendments and Reauthorization Act ("SARA"), 42 U.S.C. §§ 9601(23) 9601(25).
- (h) Neither the entering into of this Agreement, nor the consummation of the transaction contemplated hereby will constitute or result in a violation or breach by Seller of any judgment, order, writ, injunction or decree issued against or imposed upon Seller, will result in the violation of any law, order, rule or regulation of any governmental authority binding upon and applicable to Seller.
- (i) Seller has no actual knowledge of any actual, pending or threatened suits, actions, arbitrations, claims or proceedings, at law or in equity, affecting the Premises. Seller has no actual knowledge of the existence of any material violation or alleged violation of any rule, regulation, ordinance, law or similar matter that applies to the Premises.
- 10. Representations of Buyer. Buyer hereby represents, warrants and covenants to Seller as follows:
 - (a) That the persons signing this Agreement have full power and authority to bind Buyer and this Agreement constitutes a fully authorized binding legal obligation upon the Buyer according to the terms set forth herein, and shall not violate any existing agreements to which Buyer is a party;

- (b) That to the best of Buyer's knowledge, Buyer is financially capable of performing this Agreement and shall be financially capable on the Closing Date; and
- (c) That all requisites of the Buyer concerning such authorization have been duly met, and that no other person needs to execute this Agreement in order for the same to be binding upon and enforceable against the Buyer.
- (d) That Buyer has sufficient funds necessary to (a) seek the Approvals at its sole cost and expense and (b) fund the Purchase Price necessary to close this transaction in accordance with this Agreement.
- 11. **Possession.** Possession shall be given to Buyer at the time of Closing by delivery of a Special Warranty Deed and the Property shall be free and clear of all other rights of possession.
- 12. Adjustments. At Closing, Buyer and the Seller shall adjust for real estate taxes, school taxes and assessments on the Property, municipal water and sewer charges, and/or fuel, if any, such adjustments to be calculated as of 11:59 p.m. as of the day immediately preceding the closing date.
- Entry on Property/Inspection. For all purposes permitted herein, at all reasonable times prior to Closing, Seller shall allow Buyer and its agents to enter upon the Property for the purposes of conducting inspections and surveys. Buyer shall provide Seller with 24 hours' notice of intent to enter on the Property. Buyer shall hold Seller harmless and shall indemnify and defend Seller against any and all claims, including costs, fees, expenses and reasonable attorneys' fees, for or in respect of injuries (including death) or damage of any kind to the person or property of Seller, Buyer, or of any other person whomsoever caused by or in connection with Buyer's entry onto the Property. As a condition precedent to Buyer's entry onto the Property, Buyer shall deliver to Seller a Certificate of Insurance evidencing general liability insurance coverage with limits not less than one million (\$1,000,000.00) dollars per person and per occurrence identifying the Property as an insured premises and naming Seller as an insured party. Buyer agrees to restore property to prior condition at the conclusion of such inspections and surveys. In the event that Buyer terminates this Agreement during the Due Diligence Period pursuant to paragraph 3, Buyer shall have no entitlement to a return of the Deposit unless the Property has been restored as required by this paragraph. The indemnification of this paragraph shall survive closing or earlier termination of this Agreement.
- 14. Default. If the Seller materially breaches this Agreement before the Closing, the sole liability of the Seller shall be (and the remedies of the Buyer shall be limited to) either, at the option of the Buyer and as the Buyer's sole remedy, (A) the return by the Seller to the Buyer of the Deposit, together with any additional sums paid pursuant to this Agreement (in which case this Agreement shall be terminated, and neither party shall have any further liability to the other), except in the event the deposit money has become non-refundable as set forth above, or (B) a suit by the Buyer against the Seller for specific performance only. If the Buyer materially breaches this Agreement before the Closing, the Seller shall be entitled to retain, as liquidated damages and not as a penalty, the Deposit, if paid, (the parties hereby agreeing that the amount of actual damages that would be incurred by the Seller would be difficult of proof, and that the amount of the Deposit herein, is a reasonable estimate thereof), and this Agreement shall be terminated and neither party shall have any further liability to the other. Additionally, upon breach by Buyer and at no cost to the Seller, Buyer shall deliver to Seller copies of all documentation, studies, inspection results, drawings, and the like pertaining to Property and assign over to the Seller Buyer's rights thereto.

- 15. **Condemnation.** If a condemnation proceeding is instituted against the Property or any portion thereof prior to closing, Seller is required to deliver ten (10) days prior written notice of the condemnation proceeding to the Buyer at which time either party may terminate this Agreement on written notice to the other, whereupon the Seller and Escrow Agent shall return the Deposit, to the Buyer and neither party shall have any further liability to the other. If neither party terminates this Agreement by reason of the taking, at the Buyer's sole option, this Agreement shall continue to be effective and the Seller shall assign to the Buyer at Closing all of the Seller's right to receive any award for such condemnation as a result of such damage, together with all of the Seller's rights to litigate such claim and to negotiate a settlement with the condemning authority.
- 16. **Fire/Casualty.** If, during the term of this Agreement and prior to Closing, either the Property or any of the improvements located thereon is damaged by fire or other casualty ("Casualty Event"), Seller shall either, in Seller's sole discretion, (a) assign to Buyer all Seller's right, title, and interest in and to any insurance proceeds with respect to such Casualty Event, or (b) pay to Buyer any proceeds actually received by Seller with respect to such Casualty Event.
- 17. **Brokerage.** Seller and Buyer each represent to the other that no brokers have represented either Buyer or Seller in this transaction. In the event that any real estate broker or agent asserts a claim for a commission, fee or other compensation relating to this transaction, the party against whom it is asserted by such real estate broker or agent dealt shall indemnify and hold the other party harmless against any such commission, fee or compensation, and shall defend all actions seeking same.
- 18. **Expenses.** Seller and Buyer shall each pay one-half (1/2) of the Pennsylvania and local transfer taxes in connection with the conveyance of the Property. Each party shall bear all other fees, charges and expenses incurred by it, without contribution from the other, including their own attorney's fees.
- Notices. All communications under this Agreement shall be in writing, and shall be deemed to be sufficiently given when presented personally (including by Federal Express or other recognized courier for which receipt is given) or two (2) days after having been mailed by certified mail, return receipt requested, to a party at the following addresses, or to such other address as such party may designate to the other party in writing, or by electronic transmission, including e-mail, with confirmation of receipt, and hard carbon copy by USPS first class mail addressed to the parties as follows:

To the Seller:

PACAZ REALTY, LLC

Gerald Simon, CFO

Carlyle Management Corporation 5355 Town Center Rd, Suite 430

Boca Raton, FL 33486

With Copy to:

Louis J. Carbone, Esq,

Law Offices of Louis J. Carbone, P.A.

Attorneys at Law

90 SE 4th Avenuc, Suite 1 Delray Beach, Florida 33483 E-mail: Louis@Carbonelegal.com To the Buyer:

Perkasie Place LLC

ATTN: Kevin Meadows and Michael Tulio

P.O. Box 538

Doylestown, PA 18901

meadows6767@yahoo.com and

mike@rockmead.com

With a copy to:

Obermayer Rebmann Maxwell & Hippel, LLP

ATTN: Nate Fox, Esq.

2003 S. Easton Road; Suite 304

Doylestown, PA 18901 nate.fox@obermayer.com

- . 20. No Survival. Except as otherwise provided, none of the provisions of this Agreement shall survive the delivery of the deed.
- 21. Further Assurances. From time to time at the request of either the Seller or the Buyer (whether before, at or after Closing), the other party shall execute, acknowledge and deliver such other and further documents as the requesting party may reasonably request to better effectuate the provisions of this Agreement.
- 22. <u>Entire Agreement: Merger Clause</u>. This Agreement constitutes the entire agreement of the parties hereto with respect to the subject matter hereof, and supersedes all prior and contemporaneous representations, agreements and understandings, whether written or oral.
- 23. "As-Is" Conveyance. Buyer specifically acknowledges and agrees that Seller is selling and Buyer is purchasing the Property and all existing improvements on an "As-Is with all faults" basis and that Buyer is not relying on any representations or warranties of any kind whatsoever, express or implied, from Seller, any Seller related parties, or their agents or brokers, or any other person acting or purporting to act on behalf of Seller, as to any matters concerning the Property, except as expressly set forth above. In addition as part of the consideration for Buyer's acquisition of the Property from Seller, buyer shall, upon Closing, expressly assume all risk and liability, including the presence of toxic or hazardous substances or waste or other environmental contamination on or within or under the surface of the Property, whether known or unknown, apparent or non-apparent or latent, and whether existing prior to, at, or subsequent to, transfer of the Property, whether contractual, tortious and whether to a governmental agency, a private entity or otherwise, with respect to a past, current or future violation of the Property with any Environmental Laws. Notwithstanding anything to the contrary contained herein, Buyer shall assume no liability for any violation of Environmental Laws arising from or caused by occupants on the Retained Lands, whether occurring before or after Closing.
- Assignment. Buyer shall have the right to assign this Agreement to another entity for purposes of completing Closing with the written approval of Seller, which approval shall not be unreasonably withheld, conditioned, or delayed. However, no such Assignment shall relieve Buyer of its obligations under this Agreement. In addition, in the event that such Assignment results in the imposition of additional transfer tax by the Pennsylvania Department of Revenue, Buyer shall be responsible for such additional transfer tax, it being understood that at no time shall Seller be required to pay transfer tax related to any assignment. Buyer agrees to indemnify and hold Seller harmless from

any and all responsibility for additional transfer tax resulting from such Assignment. Notwithstanding anything to the contrary contained herein, in the event Buyer assigns this Agreement to a single purpose entity controlled by Buyer, the parties expressly acknowledge and agree that Buyer is entering into this Agreement for the benefit of a to-be-formed nominee (the "Nominee") that will be formed and disclosed to Seller prior to Closing. The Buyer named herein has no intent to obtain legal or equitable title to the Premises in its own name. Upon formation of the Nominee, the Buyer shall have the right to assign this Agreement to the Nominee, and such assignment shall repudiate and terminate Buyer's duties and obligations hereunder and shall result in a novation on the part of the Nominec to the duties and obligations of Buyer hereunder. Following such assignment, all references herein to "Buyer" shall be deemed to be to the Nominee. Upon request of the Buyer and/or the Nominec, Seller shall agree to terminate this Agreement and enter into a new agreement with the Nominee on the same terms and conditions as are set forth herein, except that the time periods set forth in this Agreement shall be adjusted to take into consideration the period of time that elapsed between the date of this Agreement and the date of the new agreement with the Nominee, and the deposits made under this Agreement shall remain in escrow. Until the assignment of this Agreement to a Nominee or the termination of this Agreement, the Buyer shall have the full legal right to enforce the terms of Buyer shall be solely responsible for the payment of any and all transfer taxes that may be imposed in connection with any such assignment and shall defend, indemnify and hold Seller harmless from and against any and all costs, liabilities, claims and expenses in connection therewith. Buyer's indemnification obligation shall survive Closing.

Miscellaneous.

- (a) No provision of this Agreement may be changed or waived orally, but only by an instrument in writing signed by the party to be charged therewith.
- (b) This Agreement shall be construed and enforced in accordance with the internal laws of Pennsylvania without giving effect to the principles of conflicts of law.
- (c) This Agreement may be executed in two or more counterparts, each of which shall be deemed to be an original, but all of which taken together shall constitute the same Agreement.
- (d) As used herein, the term "including" shall be deemed to mean "including without limitation".
- (e) This Agreement shall not be considered in force, binding or in effect in any manner or to any extent until and unless duly executed and delivered by Buyer and Seller. Seller at all times prior to such execution and delivery by Buyer and Seller (and at all times subsequent to any default or breach by Buyer), shall be free to negotiate for the sale of the Property to any other prospective Buyer or for any other disposition of any interest in the Property without prior notice to Buyer.
- (f) No person or entity other than a party to this Agreement or a legal representative, successor in interest or permitted assign of a party hereto shall be entitled to rely on this Agreement or the performance of Buyer or Seller hereunder, and this Agreement is not made for the benefit of any person or entity not a party hereto and no such person or entity shall be entitled to assert a claim arising out of or in connection with this Agreement.

- (g) This Agreement contains the entire agreement between the parties with referenced to this transaction and it is agreed that any and all prior contemporaneous oral or written agreements or representations as to the Property and/or the sale, except as specifically herein set forth, are void.
- (h) This Agreement shall extend to, and be binding upon, the parties hereto, their respective heirs, executors, administrators, successors and assigns.

[THIS SPACE INTENTIONALLY BLANK. SIGNATURE PAGE FOLLOWS.]

IN WITNESS WHEREOF, the parties have executed this Agreement as of the day and year first above written, to be legally effective as of the date signature pages are delivered to each party by their respective counsel.

| <u>SELLER</u> : |
|---|
| PACAZ REALTY, LLC a Pennsylvania limited liability company |
| Sign: |
| Date: |
| BUYER: |
| PERKASIE PLACE, LLC, a Pennsylvania limited liability company |
| By: Name: Kevin Meadows Title: Authorized Signatory |
| ESCROW AGENT: |
| LAND SERVICES USA, INC. |
| Ву: |
| Name: |

Title:

EXHIBIT "A-1"

Legal Description

LEGAL DESCRIPTION

ALL THAT CERTAIN tract or parcel of ground situate in Perkasie Borough and partly in Seliersville Borough, Bucks County, Pennsylvania, being shown on an ALTA/ACSM Land Title Survey prepared by Nave Newell, Inc., dated October 10, 2015, described as follows:

BEGINNING at a point in the Southeast line of Constitution Avenue, S.R. 0152 (56.50 feet wide, as widened to 40.00 feet along the Southeast side thereof), said point also being located the following two (2) courses from the point marking the intersection of the centerline of Constitution Avenue with the centerline of Spruce Street (33,00 feet wide): (1) as measured along the title line of Constitution Avenue in a Southwesterly direction 836 feet, more or less, to a point; (2) crossing the bed of Constitution Avenue, South 52° 39' 48" East, 40.00 feet to an Iron pin found; thence, from said beginning point the following nine (9) courses and distances:

- 1. South 52° 39' 46° East, a distance of 986.50 feet to a concrete monument found; thence,
- South 31° 37' 51" West, a distance of 317.85 feet to a concrete monument found; thence,
- 3. North 56° 55' 34° West, a distance of 235,60 feet to an Iron pin found; thence,
- 4. South 38° 23' 55" West, a distance of 816.15 feet to a concrete monument found; thence,
- North 51° 49' 44" West, a distance of 815.81 feet to a point of curvature being monumented by an iron pin found in the aforesaid Southeast line of Constitution Avenue; thence along said fine,
- Along a curve to the left having a radius of 5,689.87 feet and a central angle of 00 degrees 40° 16", an arc distance 66.65 feet, said arc subtended by a chord bearing North 42 degrees 30° 50" East a distance of 68.65 feet to a point of tangency being monumented by a concrete monument found; thence.
- North 42° 10' 42° East, a distance of 571.55 feet to a point of curvature being monumented by a Mag nail set; thence.
- Along a curve to the left having a radius of 2,904.79 feet and a central angle of 04 degrees 11' 59", an arc distance of 212.92 feet, said arc subtended by a chord bearing North 40 degrees 04' 43' East, a distance of 212.87 feet, to a point of tangency being monumented by a rebar set; thence,
- 9. North 37° 58' 43° East, a distance of 289.43 feet to the point and place of beginning.

CONTAINING 966,286 square feet or 22.1829 acres of land, more or less.

BEING known as 505 Constitution Avenue.

BEING Tax Parcel #33-9-1.

TOGETHER with an easement for storm drainage over lands now or formerly of John and Teresa Mains being part of Bucks County Uniform Parcel Identifier Tax Parcel No. 39-6-27, dated 8/19/1992 and recorded 4/28/1993 in Deed Book 656 page 1750, and also together with easement contained in Grant of Easement between Sellersville Borough and Berger-Epstein Associates, inc., dated 1/11/1993 and recorded 4/28/1993 in Deed Book 658 page 1760,

BEING the same premises which Berger-Epstein Associates, a Pennsylvania corporation, Jeffry A. Epstein and William M. Berger, Co-Partners by Deed dated 5/16/2006 and recorded 6/5/2006 in the County of Bucks in Land Record Book 4971 page 1211, conveyed unto PACAZ Realty, LLC, a Pennsylvania limited liability company, in fee.

EXHIBIT "A-2"

Property Legal Description

SURVEYOR'S LAND DESCRIPTION - LOT 2

ALL THAT CERTAIN TRACT OR PARCEL OF GROUND SITUATE IN PERKASIE BOROUGH AND PARTLY IN SELLERSVILLE BOROUGH, BUCKS COUNTY, PENNSYLVANIA, BEING LOT 2 AS SHOWN ON A PLAN PREPARED BY NAVE NEWELL, INC., ENTITLED "LOT LINE ADJUSTMENT, MINOR SUBDIVISION PLAN", DATED NOVEMBER 5, 2015, BEGINNING AT A POINT IN THE SOUTHEAST SUBDIVISION PLAN", DATED NOVEMBER 5, 2013, BEGINNING AT A POINT IN THE SOUTHEAST LINE OF CONSTITUTION AVENUE, S.R. 0152 (56.50 FEET WIDE, AS WIDENED TO 40.00 FEET ALONG THE SOUTHEAST SIDE THEREOF AS PER DEED FOUND IN DEED BOOK 4971, PAGE 1211), SAID POINT ALSO BEING LOCATED THE FOLLOWING SIX (6) COURSES FROM THE POINT MARKING THE INTERSECTION OF THE CENTERLINE OF CONSTITUTION AVENUE WITH THE CENTERLINE OF SPRUCE STREET (33.00 FEET WIDE): (1) AS MEASURED ALONG THE TITLE LINE OF CONSTITUTION AVENUE IN A SOUTHWESTERLY DIRECTION 835 FEET, MORE OR LESS, TO A POINT; (2) CROSSING THE BED OF CONSTITUTION AVENUE, SOUTH 52°39' 46"EAST, A DISTANCE OF 40.00 FEET TO AN IRON PIN FOUND, (3) SOUTH 37°58' 43"WEST, A DISTANCE OF 289.43 FEET TO A POINT OF CURVATURE BEING MONUMENTED BY AN IRON PIN SET, [4] ALONG A CURVE TO THE RIGHT HAVING A RADIUS OF 2,904.79 FEET AND A CENTRAL ANGLE OF 04°11' 59". AN ARC DISTANCE OF 212.92 FEET, SAID ARC SUBTENDED BY A CHORD BEARING SOUTH 40°04' 43"WEST, A DISTANCE OF 212.87 FEET, TO A POINT OF TANGENCY BEING MONUMENTED BY A MAG NAIL SET. (5) SOUTH 42°10' 42"WEST, A DISTANCE OF 571.55 FEET TO A POINT OF CURVATURE BEING MONUMENTED BY A CONCRETE MONUMENT FOUND, (6) ALONG A CURVE TO THE RIGHT HAVING A RADIUS OF 5,68987 FEET AND A CENTRAL ANGLE OF 00°40' 16", AN ARC DISTANCE OF 66.65 FEET, SAID ARC SUBTENDED BY A CHORD BEARING SOUTH 42°30' 50"WEST, A DISTANCE OF 66.65 FEET, TO A CONCRETE MONUMENT FOUND BEING THE POINT AND PLACE OF BEGINNING; THENCE, FROM SAID BEGINNING POINT THE FOLLOWING SEVEN (7) COURSES AND DISTANCES:

- ALONG A CURVE TO THE LEFT HAVING A RADIUS OF 5,68987 FEET AND A CENTRAL ANGLE OF 00°40' 16", AN ARC DISTANCE OF 66.65 FEET, SAID ARC SUBTENDED BY A CHORD BEARING NORTH 42°30' 50"EAST, A DISTANCE OF 66.65 FEET, TO A POINT OF TANGENCY BEING MONUMENTED BY A CONCRETE MONUMENT FOUND; THENCE, NORTH 42°10' 42"EAST, A DISTANCE OF 233.46 FEET TO A POINT; THENCE,
- SOUTH 51°49' 44"EAST, A DISTANCE OF 170.34 FEET TO A POINT; THENCE 3.
- SOUTH 83°58' 05"EAST, A DISTANCE OF 453.25 FEET TO A POINT; THENCE, 4
- SOUTH 51°52' 39"EAST, A DISTANCE OF 242.46 FEET TO A POINT; THENCE, 5.
- SOUTH 38°23' 55"WEST, A DISTANCE OF 540.67 FEET TO A CONCRETE MONUMENT FOUND: THENCE.
- NORTH 51°49' 44"WEST, A DISTANCE OF 815.81 FEET TO THE POINT OF AND PLACE OF BEGINNING.

CONTAINING 345780 SQUARE FEET OR 7,9380 ACRES OF LAND.

TOGETHER WITH AN EASEMENT FOR STORM DRAINAGE OVER LANDS NOW OR FORMERLY OF JOHN AND TERESA MAINS BEING PART OF BUCKS COUNTY UNIFORM PARCEL IDENTIFIER TAX PARCEL NO. 39-6-27, DATED 8/19/1992 AND RECORDED 4/28/1993 IN DEED BOOK 656 PAGE 1750, AND ALSO TOGETHER WITH EASEMENT CONTAINED IN GRANT OF EASEMENT BETWEEN SELLERSVILLE BOROUGH AND BERGER-EPSTEIN ASSOCIATES, INC., DATED 1/11/1993 AND RECORDED 4/28/1993 IN DEED BOOK 656 PAGE 1760.

EXHIBIT "A-3"

SURVEY

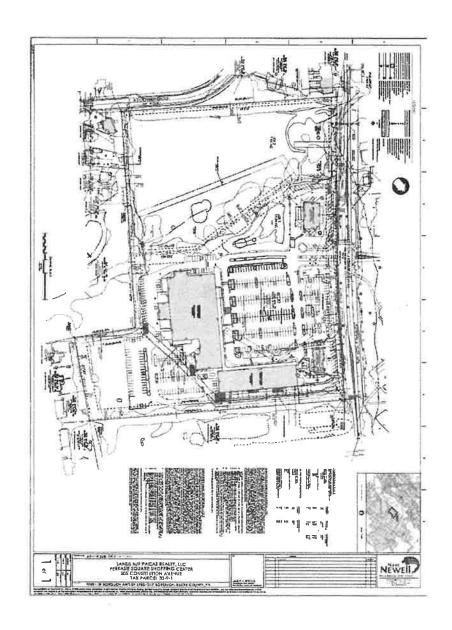


EXHIBIT "B"

Permitted Exceptions

Rights granted to Bell Telephone Company in Land Record Book 43 page 1709.

Rights granted to Bell Atlantic-Pennsylvania Inc. as in Land Record Books 746 page 1682 and 950 page 1365.

Rights of the public and others entitled thereto in and to the use of that portion of the premises within the bounds of Constitution Avenue.

Grant of Easement as in Land Record Book 177 page 1147 and Deed Book 742 page 116.

Covenants contained in: Grant of Easement John Mains and Teresa Mains and Berger/Epstein Associates, Inc. dated 8/19/1992 and recorded 4/28/1993 in Land Record Book 656 page 1750.

Covenants contained in Grant of Easement between Sellersville Borough and Berger-Epstein Associates, Inc., dated 1/11/1993 and recorded 4/28/1993 in Land Record Book 656 page 1760.

Conditions disclosed by survey made by Edward S. McConnell Associates dated March 19, 1993:- (a) Building set-back lines (b) Portion of premises within Wetlands boundary lines as verified by Army Corp. of Engineers on Oct. 29, 1992, reference CENAP-OP-R-87-0170-43 (JD). Remains valid until August 14, 1997 (c) New Right-of-Way Line of Constitution Avenue.

Land Development Agreement as in Land Record Book 672 page 843.

Estoppel Certificate as in Land Record Book 686 page 1652.

Provisions of Acts of Assembly authorizing PennDot to extend boundaries of State Roads (SR #0152).

Memorandum of Lease to Fleming Foods East, Inc., as in Land Record Book 672 page 830.

Short Form Lease to Thrift Drugs, Inc. as in Land Record Books 672 page 836, 862 page 321 and 1033 page 2305.

Grant of Easement to Borough of Perkasie as in Land Record Book 1041 page 1037.

Deed of Easement, Right of Way Grant to the Perkasie Borough Authority as in Land Record Book 1049 page 761.

Deed of Dedication to Borough of Perkasie as in Land Record Book 1056 page 761.

Term Agreement with Thrift Drug, Inc. as in Land Record Book 1073 page 839,

Land Development Agreement by and between Borough of Perkasie and McDonald's Corporation as in Land Record Book 1956 page 662.

Notes, conditions, setback lines, easements, reservations, covenants and restrictions as shown and set forth in Plan Book 298 page 71 and Instrument# 2023009809.

Memorandum of Lease to McDonald's Corporation as in Land Record Book 2047 page 1719.

Supplement to Lease as in Land Record Book 2178 page 1615; Amended and Restated Memorandum of Lease as Instrument No. 2024024193.

Notice of Covenant not to Compete as in Land Record Book 2047 page 1730.

Deed of Easement, Right of Way Grant as in Land Record Books 2051 page 1966 and 2051 page 1976.

Temporary Construction Easement Agreement as in Instrument# 2015062639.

Land Development Agreement as in Instrument# 2023009810.

Stormwater Controls and Best Management Practices Operations and Maintenance Agreement as in Instrument #2023033894 . Plan Exhibit thereto in Instrument# 2023033895 .

NOTICE

PLEASE TAKE NOTICE that Perkasie Plance LLC, ("Applicant") has filed an application together with supporting materials ("Application") with the Borough of Perkasie for review and approval of a Formal Sketch Plan to subdivide an existing parcel consisting of 22.198 acres into two lots and develop residential apartment budlings comprising of five buildings containing of 75 units on proposed lot 2 located at 503-545 Constitution Avenue and designated as a portion of Tax Parcel No. 33-009-001.

PLEASE TAKE NOTICE that public meetings will be held to consider the Application and that the dates of the meetings where the Application will be considered can be obtained by contacting the Borough of Perkasie located at 620 W. Chestnut Street, Perkasie, PA 18944 or by phone at 215-257-5065 between the hours of 8:00 AM and 4:00 PM, Monday to Friday.

David M. Shafkowitz, Esq. 350 S. Main Street, Suite 308 Doylestown, PA 18901 (267) 422-3340

I, David M. Shafkowitz, hereby certify that first-class mail notice has been provided to the following owner(s) of record of abutting property:

| PARCEL NUM | ADDRESS | MUNICIPALITY | OWNER1 | OWNER2 | C/O - Mailing Address |
|----------------|-------------------|-------------------------|-------------------------------------|--------------------------------------|--|
| 39-009-025 | E RIDGE AVE | Sellersville Borough | BUCKS CO HOUSING AUTH | | 25 E State St, Doylestown, PA 18901 |
| 39-009-015 | 101 E RIDGE AVE | Sellersville Borough | BUCKS CO HOUSING AUTH | | 25 E State St, Doylestown, PA 18901 |
| 39-009-009 | 477 E RIDGE AVE | Sellersville Borough | BOTTMEYER, BERNIE PAUL | | |
| 39-009-008-001 | 470 E PARK AVE | Sellersville Borough | TROEGLER, DAWN L & KENNETH R | | |
| 39-006-027 | 475 E PARK AVE | Sellersville Borough | MAINS, JOHN & TERESA | | |
| 33-009-186 | 600 ESSEX CT | Perkasie Borough | STROMAN, STEVEN C & STEPHANIE | | |
| 33-009-185 | 602 ESSEX CT | Perkasie Borough | LYON, MARK & MICHELLE | | |
| 33-009-184 | 604 ESSEX CT | Perkasie Borough | WALKER, JEFFRIE & HENRY W, JR | | |
| 33-009-183 | 606 ESSEX CT | Perkasie Borough | SCHULER, NICOLE J | PRZYCHOWICZ, MATTHEW L | |
| 33-009-182 | 199 WYCKFORD DR | Perkasie Borough | BRODEUR, MARC & MELANIE | | |
| 33-009-181 | 198 WYCKFORD DR | Perkasie Borough | SHORT, JEFFERY P & SHANNON M | | |
| 33-009-082 | 500 GRANDVIEW AVE | Perkasie Borough | SONNELITTER, JOHN E | | |
| 33-009-081 | 504 GRANDVIEW AVE | Perkasie Borough | GRINDLE, PAUL R & CHRISTINE N | | |
| 33-009-080 | 508 GRANDVIEW AVE | Perkasie Borough | TILLMANN, DOUGLAS J & KELLINA | | |
| 33-009-041-039 | ESSEX CT | Perkasie Borough | MEADOWOOD ESTATES COMM ASSN | | 975 Easton Rd, Suite 102, Warrington, PA 18976 |
| 33-009-008 | 424 GRANDVIEW AVE | Perkasie Borough | GETTY, MARK C & ALICIA L | | |
| 33-009-005-145 | ARBOR BLVD | Perkasie Borough | PERKASIE WOODS | | 400 Campus Dr, Suite 101, Collegeville, PA 19426 |
| 33-009-005-144 | 400 ARBOR BLVD | Perkasie Borough | ROMANO, KATHERINE ANN | | |
| 33-009-005-143 | 402 ARBOR BLVD | Perkasie Borough | AA ASSOCIATES, LLC | | 3007 Tyler Way, Chalfont, PA 18914 |
| 33-009-005-142 | 404 ARBOR BLVD | Perkasie Borough | PRICE, RALPH | | |
| 33-009-005-141 | 406 ARBOR BLVD | Perkasie Borough | GARDNER, NATHANIEL DOMINIC | HINTON, NASHERRA MALIKA NICOLE | |
| 33-009-005-140 | 408 ARBOR BLVD | Perkasie Borough | BOOTH, HAROLD HERBERT | | |
| 33-009-005-139 | 410 ARBOR BLVD | Perkasie Borough | BROWNE, CAROLE | | |
| 33-009-005-138 | 412 ARBOR BLVD | Perkasie Borough | PADMANABHUNI, SUBBARAJA | SIRAGAVARAPU, RAGHAVENDRA | 3007 Tyler Way, Chalfont, PA 18914 |

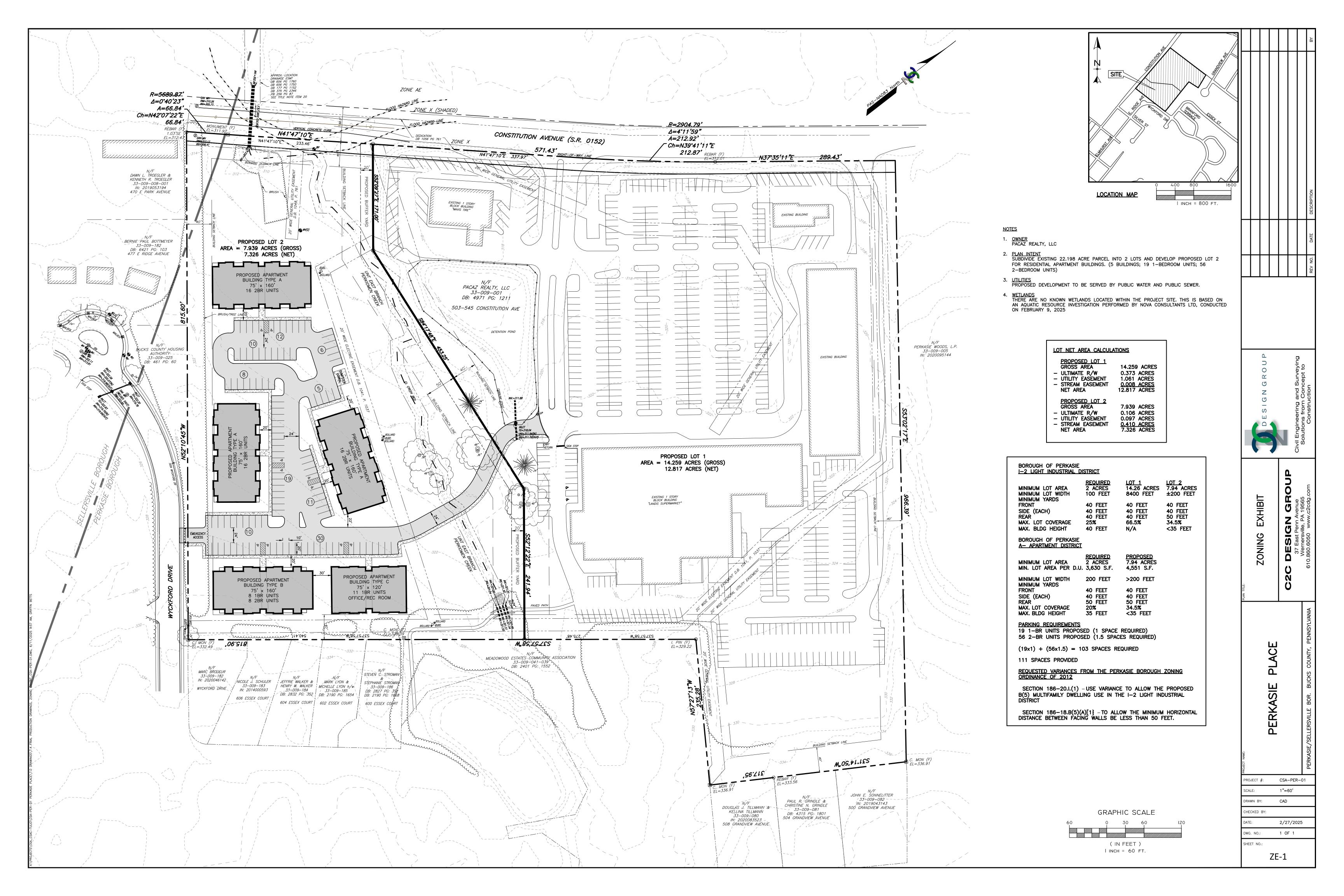
| 33-009-005-137 | 414 ARBOR BLVD | Perkasie Borough | CROUSE, ROBERT | | |
|----------------|----------------------|------------------|----------------------------------|----------------------------------|--|
| 33-009-005-136 | 416 ARBOR BLVD | Perkasie Borough | HATZENBELLER, MARILYN T | | |
| 33-009-005-135 | 418 ARBOR BLVD | Perkasie Borough | ANDERSON, PETER J | | |
| 33-009-005-134 | 420 ARBOR BLVD | Perkasie Borough | MANNO, CHRISTOPHER DANIEL | WOLFE, SARAH ELIZA | |
| 33-009-005-130 | 428 ARBOR BLVD | Perkasie Borough | WOLFE, BRUCE L | MENDIETA, JULIA A | 1071 Deer Run Rd, Ottsville, PA 18942 |
| 33-009-005-129 | 430 ARBOR BLVD | Perkasie Borough | MAURER, JAMES | | |
| 33-009-005-128 | 432 ARBOR BLVD | Perkasie Borough | WAXMAN, JORDAN N & COURTNEY L | | |
| 33-009-005-127 | 434 ARBOR BLVD | Perkasie Borough | FUNCHESS, ELLIS IV | | |
| 33-009-005-126 | 436 ARBOR BLVD | Perkasie Borough | FRANKENFIELD, STEPHANIE R | MEADE, SHANE | |
| 33-009-005-125 | 438 ARBOR BLVD | Perkasie Borough | POINTEKAS, MICHAEL G | FELIX, RAQUEL BARRION | |
| 33-009-005-124 | 440 ARBOR BLVD | Perkasie Borough | MCILLMURRAY, ERIC W | MULDOWNEY, JAMES M & SUSAN | |
| 33-009-005-123 | 442 ARBOR BLVD | Perkasie Borough | NJINI, MIRABELLE | KOUBOU, RICHARD | |
| 33-009-005-122 | 444 ARBOR BLVD | Perkasie Borough | DARAJI, KEVIN A | | |
| 33-009-005-121 | 446 ARBOR BLVD | Perkasie Borough | FAIX, CHRISTOPHER | | |
| 33-009-005-120 | 448 ARBOR BLVD | Perkasie Borough | MARCOLINI, SUSAN | DONOVAN, REBECCA | |
| 33-009-005-119 | 450 ARBOR BLVD | Perkasie Borough | CAPECI, PD SR & JANINE | | |
| 33-009-005-118 | 452 ARBOR BLVD | Perkasie Borough | SUTCLIFFE, TIFFANY | BROCKINGTON, SEAN | |
| 33-009-005-117 | 454 ARBOR BLVD | Perkasie Borough | MANCINO, ANTHONY | | |
| 33-009-005 | 499 CONSTITUTION AVE | Perkasie Borough | PERKASIE WOODS | | 400 Campus Dr, Collegeville, PA 19426 |
| 33-009-001 | 505 CONSTITUTION AVE | Perkasie Borough | PACAZ RTY L L C | | 5355 Town Center Rd, Suite 430, Boca Raton, FL 33486 |
| 33-004-096 | 620 CONSTITUTION AVE | Perkasie Borough | BROWN, KATHLEEN | | |
| 33-004-095 | CONSTITUTION AVE | Perkasie Borough | PERKASIE BORO | | 620 W Chestnut St, PO Box 96, Perkasie, Pa 18944 |
| 33-004-092 | 425 ARTHUR AVE | Perkasie Borough | PERKASIE BORO | | 620 W Chestnut St, PO Box 96, Perkasie, Pa 18944 |
| 33-009-005-131 | 426 ARBOR BLVD | Perkasie Borough | BRILL, SHARON A | | |
| 33-009-005-132 | 424 ARBOR BLVD | Perkasie Borough | LANE, SUSAN | | |
| 33-009-005-133 | 422 ARBOR BLVD | Perkasie Borough | SISCOE, RON G | | |

The above are all of the owners of record of properties abutting the property that is the subject of this application. I verify that the statements made herein are true and correct. I understand that false statements herein are made subject to the penalties of 18 Pa.C.S.A. § 4904 relating to unsworn falsification to authorities.

Dated: August 8, 2025

David M. Shafkowitz, Esq. 350 S. Main Street, Suite 308 Doylestown, PA 18901

Bully













| ☐ 3850 Sierra Circle, Suite 100 Center Valley , PA 18034 P: 610.366.8064 F: 610.366.0433 |
|---|
| ☐ 12 Terry Drive, Suite 205 Newtown , PA 18940 P: 215.369.3955 F: 610.968.1829 |
| |
| 401 Plymouth Road, Suite 150 Plymouth Meeting , PA 19462 P: 610.489.4949 F: 610.489.8447 |
| One Penn Center at Suburban Station, 1617 JFK Blvd., Suite 425 Philadelphia, PA 19103 P: 215.687.4246 F: 215.564.1780 |

MEMORANDUM

Date: August 4, 2025

To: Doug Rossino, P.E.

From: Leslie Bodnoff, P.E.

cc: Kristin Norwood, P.E.

Reference: 505 Constitution Avenue - Perkasie Place

Traffic Study Review 1

Perkasie Borough, Bucks County

G&A 24-00991

Gilmore and Associates, Inc. has completed a review for the Traffic Impact Assessment associated with the above referenced project. The Applicant is proposing to construct five (5) apartment buildings with a total of 76 units. Access to the site is proposed to be provided via the existing Perkasie Square Shopping Center along Constitution Avenue.

We offer the following comments for your consideration:

A. Reviewed Documents

1. Traffic Impact Assessment for Perkasie Place, prepared by Horner & Canter Associates, dated July 9, 2025.

B. Traffic Impact Assessment Comments

- 1. Include the site plan for the proposed development in the revised traffic study. The plan should include internal roadway connections to the existing shopping plaza with site signage and pavement markings, as well as proposed pedestrian facilities as noted below.
- 2. We recommend pedestrian access be provided connecting to the Dog Park and Lenape Park, opposite the Perkasie Square Shopping Center.
- 3. We recommend providing upgraded pedestrian equipment, such as push buttons, pedestrian signal heads and high-visibility crosswalks, at the intersection of Constitution Avenue and Perkasie Place Shopping Center, given its close proximity to the shopping center, nearby residential areas, and the park.
- 4. The distribution of site trips onto Constitution Avenue does not appear to be consistent with the existing traffic volumes. Verify and revise the report accordingly.
- 5. Any existing individual movements with a level of service below C shall be noted as deficient within the study (per §164-41.2E(3)(c)). Recommendations for the elimination of the deficiencies shall be listed.

- 6. The following queues extend beyond the available storage and mitigation of these queues should be evaluated. The queues within the Perkasie Square shopping center block the internal intersection and should be addressed. At a minimum, the traffic signal timings should be optimized for the Build conditions.
 - a. Constitution Avenue and Perkasie Square Shopping Center:
 - i. Westbound left
 - ii. Westbound right
 - b. Constitution Avenue and Walnut Street
 - i. Northbound left

TRAFFIC IMPACT ASSESSMENT

PERKASIE PLACE RESIDENTIAL DEVELOPMENT

Perkasie/Sellersville Boroughs, Bucks County

Pennsylvania

July 9, 2025



Horner & Canter Associates A PROFESSIONAL CORPORATION TRANSPORTATION AND TRAFFIC ENGINEERING

TRAFFIC IMPACT ASSESSMENT

PERKASIE PLACE RESIDENTIAL DEVELOPMENT

Constitution Avenue (SR 0152)

Perkasie/Sellersville Boroughs Bucks County Pennsylvania

Prepared by:

HORNER & CANTER ASSOCIATES A Professional Corporation Transportation and Traffic Engineering 4950 York Road, Suite 2G P.O. Box 301 Holicong, Pennsylvania 18928 PROFESSIONAL DAVID H. HORNER

PROFESSIONAL

July 9, 2025

David H. Horner, P.E., PTOE

and U. Ham

Professional Engineer

PA Lic. No. PE-043105-E

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APPENDICES

APPENDIX A - Traffic Signal Plans

APPENDIX B - Traffic Counts

APPENDIX C - Level of Service Delay Thresholds

APPENDIX D - Existing Capacity/LOS Analysis Worksheets

APPENDIX E - Trip Generation Worksheets

APPENDIX F - No-Build Capacity/LOS Analysis Worksheets

APPENDIX G - Build Capacity/LOS Analysis Worksheets

INTRODUCTION

Horner & Canter Associates has prepared this Traffic Impact Assessment for the proposed Perkasie Place residential development located on the east side of Constitution Avenue (SR 0152) in Perkasie and Sellersville Boroughs, Bucks County, Pennsylvania, (Figure 1). The proposed residential development will consist of 76 apartment units with access provided via the existing Perkasie Square shopping center, which accesses Constitution Avenue at a signalized intersection.

For the purpose of this Traffic Impact Assessment, the completion and occupancy date of the proposed residential development is assumed to be 2028.

Scope of Study

The purpose of this Traffic Impact Assessment is to determine the traffic impact the proposed residential development will have with respect to the conditions on the adjacent roadways and intersections. The study scope includes the following:

- A site inspection and inventory of existing roadway features such as geometric layout,
 lane configurations, traffic control devices, and other pertinent physical characteristics.
- Conduct of Manual Turning Movement (MTM) counts for the weekday AM (7:00 AM 9:00 AM), weekday PM (4:00 PM 6:00 PM), and Saturday midday (11:00 AM 1:00 PM) peak periods at the following intersections which constitute the study area:
 - Constitution Avenue (SR 0152)/Perkasie Square Access/Lenape Park
 Access
 - Constitution Avenue (SR 0152)/Walnut Street (SR 0152)
- Projection of development-generated traffic volumes and distribution of this traffic to the study area roadway network.
- Comparison of the development-generated traffic with a potential by-right retail buildout of the site.

- Analysis of existing, future No-Build (without development) and future Build (with development) traffic conditions at the study area intersections.
- Formulation of conclusions with regard to the traffic impact of the proposed development on traffic conditions in the study area.

EXISTING CONDITIONS

The study area roadway network was inventoried with regard to the existing physical and operating characteristics as they affect traffic flow. The study area roadway network is described in further detail below.

The site fronts on **Constitution Avenue**, a State roadway carrying the SR 0152 designation in a general north/south direction. In the vicinity of the site, Constitution Avenue provides one through travel lane in each direction with separate left-turn and/or right-turn lanes at various intersections. The posted speed limit on Constitution Avenue is 35 miles per hour.

Walnut Street carries the State roadway SR 0152 designation eastward from its intersection with Constitution Avenue. It is a local roadway west of its intersection with Constitution Avenue. Walnut Street provides one through travel lane in each direction with a posted speed limit of 35 miles per hour east of Constitution Avenue and 25 miles per hour west of Constitution Avenue.

The study area intersections of Constitution Avenue (SR 0152)/Perkasie Square Access/Lenape Park Access and Constitution Avenue (SR 0152)/Walnut Street (SR 0152) are both signalized. A reduced-size copy of the Traffic Signal Permit Plans for both intersections are provided for reference in Appendix A.

Existing Traffic Volumes

Since the peak hour traffic conditions reflect the critical periods for evaluation of operating conditions and traffic impact, existing traffic volumes were acquired at the study area intersections through the conduct of peak hour Manual Turning Movement (MTM) traffic counts. The counts were conducted during the weekday AM (7:00 – 9:00 AM), weekday PM (4:00 – 6:00 PM), and Saturday midday (11:00 AM – 1:00 PM) peak periods in May/June 2025. These count periods were selected to capture both the peak hours of adjacent street traffic and the peak periods of the proposed development. The summarized MTM counts are provided for reference in Appendix B.

The resultant existing peak hour traffic volumes are presented in Figures 2, 3 and 4 for the respective peak periods.

Existing Levels of Service

The operating conditions of the study area intersections were determined through the conduct of a capacity/Level of Service (LOS) analysis using the methodologies contained in the Highway Capacity Manual (HCM 7th Edition). Level of Service (LOS) is a measure of the quality of the traffic flow and generally is expressed as follows:

- Level of Service A Excellent Free flow
 - B Very Good Minor adjustments in traffic flows
 - C Good Stable flow of traffic
 - D Satisfactory flow Occasional short periods with minor delays
 - E Approaching Capacity Regular delays
 - F Forced Flow Significant delays and queuing

At signalized intersections, overall LOS is based on the average delay to all movements at the intersection. The delay thresholds for various Levels of Service are contained in Appendix C.

The existing LOS findings for the study area intersections are presented in Figure 5. The detailed capacity/LOS analysis worksheets are provided in Appendix D.

SITE TRAFFIC

The determination of the amount of traffic that a proposed development will generate can best be made by comparison with similar sites. The residential development of the site is proposed to comprise 76 apartments. The Institute of Transportation Engineers (ITE) publication *Trip Generation Manual, 11th Edition* is a compilation of trip generation studies for a variety of land uses and is considered the primary data source for use of trip generation projections. For the proposed apartment development, Land Use Code 220 – Multi-Family Housing (Low Rise) was selected as the most appropriate.

Table 1 presents the projected development-generated traffic for the site based on the ITE database. The trip generation worksheets are provided for reference in Appendix E.

| Table 1 Site Trips | | | | | | | | | | | |
|-----------------------|-------|---|-----|-------|----|-----|-------|----|-----|-------|--|
| | | AM Peak Hour PM Peak Hour SAT Peak Hour | | | | | | | | lour | |
| | Daily | ln | Out | Total | ln | Out | Total | In | Out | Total | |
| Apartments (76 D.U.) | 562 | 11 | 35 | 46 | 34 | 19 | 53 | 15 | 16 | 31 | |

The development-generated traffic was distributed to the study area roadway network based on existing traffic patterns. The site traffic distribution percentages are summarized below:

| Constitution Avenue (SR 0152) | |
|-------------------------------|------|
| to/from the south | 60% |
| Walnut Street (SR 0152) | |
| to/from the east | 12% |
| to/from the west | 28% |
| | 100% |

The resultant distributed site trips are depicted in Figure 6 for all three peak periods.

Trip Generation Comparison

The subject property is located within the Perkasie Borough's I-2 Light Industrial District, which requires a zoning variance for the proposed development of 76 apartment units. In support of the variance application it is valuable to compare traffic volumes generated by the proposed use (76 apartments) with a reasonable by-right build-out of the property. The I-2 zone allows a variety of commercial, retail, and industrial uses. Given that the property adjoins an existing shopping center, a reasonable by-right build-out would consist of retail uses. Based on the size of the property (7.32 net acres) and the Borough Code bulk standards, a build-out assumption of 25,000 square feet of retail use is reasonable.

Table 2 below presents a trip generation comparison of the proposed apartment use with a 25,000 square feet by-right retail development:

| Table 2 Trip Generation Comparison | | | | | | | | | | | |
|--|-------|----|-----|-------|----|-----|-------|----|-----|-------|--|
| AM Peak Hour PM Peak Hour SAT Peak Hou | | | | | | | | | | Hour | |
| | Daily | ln | Out | Total | ln | Out | Total | ln | Out | Total | |
| Apartments (76 D.U.) | 562 | 11 | 35 | 46 | 34 | 19 | 53 | 15 | 16 | 31 | |
| | | | | | | | | | | | |
| Retail (25,000 s.f.) ⁽¹⁾ | 1285 | 32 | 21 | 53 | 75 | 74 | 149 | 84 | 80 | 164 | |

⁽¹⁾LUC 822 – Strip Retail Plaza (<40k) per ITE Trip Generation Manual, 11th Edition.

As shown in Table 2 the proposed apartment development will generate significantly less traffic than a by-right build-out of 25,000 square feet of retail space.

FUTURE CONDITIONS

To assess the impact of the development-generated traffic volumes on the study area roadway network, the future traffic volumes in the anticipated build-out year of the site (2028) were determined. To account for regional growth that is expected to occur during the intervening period, a background traffic growth rate was applied to the existing traffic volumes. Based on PennDOT's growth rates for the area, a 0.12 percent per year background growth was applied (total 0.36 percent over three years) to the existing 2025 traffic volumes. It was confirmed with the Perkasie Borough engineer that there are no approved but not yet constructed developments that will impact the study area within the study horizon year.

The 2028 No-Build traffic volumes are presented in Figures 7, 8 and 9 for the respective peak periods. The total Build 2028 traffic volumes, which overlay the site-generated traffic volumes onto the No-Build traffic volumes, are presented in Figures 10, 11 and 12 for the three study peak periods, respectively.

Assessment

An assessment of the future 2028 No-Build and Build operating conditions within the study area was completed. The assessment included a Level of Service (LOS) analysis of the study area intersections in order to determine if the projected traffic volumes can be acceptably accommodated within the study area and whether any roadway or intersection improvements would be required. The future No-Build LOS results are presented in Figure 13. The future Build LOS results are presented in Figure 14. The detailed capacity analysis worksheets for the No-Build and Build conditions analyses are contained in Appendices F and G, respectively.

The Level of Service (LOS) results for each of the study locations are summarized in Table 3 at the end of this section and detailed below.

<u>Constitution Avenue (SR 0152)/Perkasie Square Access/Lenape Park Access</u> – This signalized intersection currently operates at overall LOS B/C with all movements at acceptable LOS D or better during all three peak hours. Under No-Build and Build conditions these acceptable LOS conditions remain.

There are no improvements required at this intersection in conjunction with the proposed residential development project.

Constitution Avenue (SR 0152)/Walnut Street (SR 0152) – This signalized intersection currently operates at overall LOS B/C with all movements at acceptable LOS D or better

during all three peak hours. Under No-Build and Build conditions these acceptable LOS conditions remain.

There are no improvements required at this intersection in conjunction with the proposed residential development project.

Queues

The 95th percentile queues for the study area intersections were calculated as part of the capacity/LOS analysis. Table 4 at the end of this section provides a summary of the 95th percentile queues for the existing, No-Build, and Build conditions at all locations. It is noted that the site traffic has very little effect on the queue conditions.

Table 3
Intersection Level of Service Summary

| | | Weekday AM Peak | | | Wee | kday PM | Peak | Saturday Midday Peak | | | |
|--|----------|-----------------|----------|----------|----------|----------|----------|----------------------|----------|----------|--|
| Intersections | Movement | Existing | No-Build | Build | Existing | No-Build | Build | Existing | No-Build | Build | |
| | EB LTR | C (24.4) | C (24.4) | C (24.4) | C (33.0) | C (33.0) | C (33.0) | C (24.4) | C (24.4) | C (24.4) | |
| | WB LT | C (25.1) | C (25.1) | C (25.6) | D (35.6) | D (35.6) | D (36.0) | C (25.9) | C (25.9) | C (26.2) | |
| | WB R | C (24.8) | C (24.8) | C (25.0) | D (36.2) | D (36.3) | D (36.5) | C (26.8) | C (26.8) | C (27.0) | |
| Constitution Ave (SR | NB L | B (14.2) | B (14.2) | B (14.2) | B (13.2) | B (13.2) | B (13.2) | B (14.2) | B (14.2) | B (14.2) | |
| 0152)/Perkasie Square | NB T | C (20.9) | C (20.9) | C (20.9) | C (20.3) | C (20.3) | C (20.3) | C (21.6) | C (21.6) | C (21.6) | |
| Access/Lenape Park Access | NB R | B (19.7) | B (19.7) | В (19.8) | B (18.4) | B (18.4) | B (18.7) | C (20.3) | C (20.3) | C (20.4) | |
| | SB L | A (7.2) | A (7.2) | A (7.2) | A (8.1) | A (8.1) | A (8.2) | A (7.8) | A (7.8) | A (7.8) | |
| | SB TR | B (12.7) | B (12.7) | B (12.7) | B (12.0) | B (12.0) | B (12.0) | B (12.6) | B (12.6) | B (12.6) | |
| | Overall | B (16.9) | B (16.9) | B (17.4) | C (21.1) | C (21.1) | C (21.3) | B (18.6) | B (18.6) | B (18.8) | |
| | EB LTR | B (18.2) | B (18.2) | B (18.3) | B (19.5) | B (19.5) | B (19.7) | B (19.0) | B (19.0) | B (19.2) | |
| | WB L | B (10.8) | B (10.8) | B (10.9) | A (9.0) | A (9.0) | A (9.2) | B (11.8) | B (11.9) | B (11.9) | |
| Constitution Assa (SD | WB TR | A (8.4) | A (8.4) | A (8.4) | A (6.8) | A (6.8) | A (6.8) | A (8.6) | A (8.6) | A (8.6) | |
| Constitution Ave (SR 0152)/Walnut Street | NB L | C (24.2) | C (24.2) | C (24.3) | D (36.4) | D (36.5) | D (36.9) | C (25.9) | C (25.9) | C (26.0) | |
| (SR 0152) | NB TR | C (23.3) | C (23.3) | C (23.3) | C (31.5) | C (31.5) | C (31.6) | C (24.5) | C (24.5) | C (24.6) | |
| | SB LTR | A (0.0) | A (0.0) | A (0.0) | A (0.0) | A (0.0) | A (0.0) | A (0.0) | A (0.0) | A (0.0) | |
| | Overall | B (16.5) | B (16.5) | В (16.7) | C (20.1) | C (20.2) | C (20.4) | B (18.2) | B (18.2) | B (18.3) | |

Table 4
95th Percentile Queue Summary (in feet)

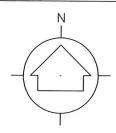
| | | | Wee | Weekday AM Peak | | | kday PM | Peak | Saturday Midday Peak | | | |
|----------------------------------|----------|-------------------|----------|-----------------|-------|----------|--------------|-------|----------------------|--------------|-------|--|
| Intersections | Movement | Storage Length | Existing | No- Build | Build | Existing | No- Build | Build | Existing | No- Build | Build | |
| | EB LTR | n/a | 13 | 13 | 13 | 25 | 25 | 25 | 16 | 16 | 16 | |
| | WB LT | 105' | 38 | 38 | 56 | 119 | 119 | 132 | 69 | 69 | 78 | |
| Constitution Ave (SR | WB R | 105' | 29 | 29 | 36 | 154 | 155 | 165 | 110 | 111 | 117 | |
| 0152)/Perkasie | NB L | 100' | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| Square Access/Lenape Park | NB T | n/a | 78 | 78 | 78 | 176 | 177 | 177 | 113 | 114 | 114 | |
| Access | NB R | 150' | 25 | 25 | 30 | 64 | 64 | 79 | 54 | 54 | 60 | |
| | SB L | 220' | 22 | 22 | 23 | 60 | 60 | 66 | 47 | 47 | 49 | |
| | SB TR | n/a | 82 | 83 | . 83 | 90 | 90 | 90 | 75 | 75 | 75 | |
| | EB LTR | n/a | 222 | 224 | 226 | 258 | 260 | 267 | 254 | 255 | 259 | |
| | WB L | 135' | 26 | 26 | 27 | 34 | 34 | 35 | 50 | 50 | 50 | |
| Constitution Ave (SR | WB TR | n/a | 64 | 64 | 64 | 110 | 111 | 111 | 78 | 78 | 78 | |
| 0152)/Walnut Street (SR 0152) | NB L | 200' | 85 | 85 | 94 | 251 | 252 | 258 | 166 | 167 | 171 | |
| | NB TR | n/a | 38 | 38 | 42 | 112 | 112 | 114 | 92 | 92 | 94 | |
| | SB LTR | n/a | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

n/a - storage length not applicable for movements without a designated turn lane

CONCLUSIONS

The conduct of this Traffic Impact Assessment for the proposed Perkasie Place residential development in Perkasie/Sellersville Boroughs, Bucks County, has led to the following conclusions and recommendations:

- 1. The proposed residential development will generate an estimated 562 daily trips with 46 trips in the AM peak hour, 53 trips in the PM peak hour, and 31 trips in the Saturday peak hour.
- Access to the residential development will be provided via the existing signalized intersection of Perkasie Square shopping center with Constitution Avenue. The intersection will continue to operate at overall acceptable LOS B/C during all three peak periods.
- 3. The intersection of Constitution Avenue (SR 0152)/Walnut Street (SR 0152) will continue to operate at overall acceptable LOS B/C conditions during all three peak periods.
- 4. The site-generated traffic can be accommodated within the study area roadway network with no mitigation improvements required at the study area intersections.
- 5. The proposed apartment development will generate significantly less traffic than a reasonable by-right retail development of the site would generate.



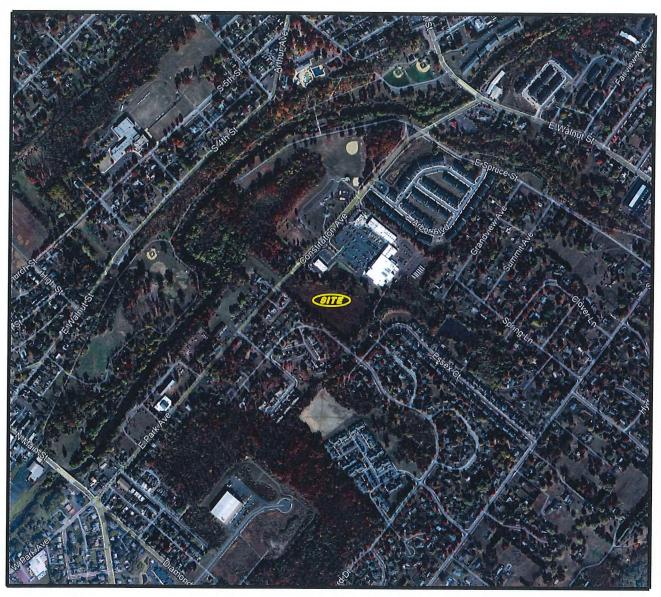


FIGURE 1 SITE LOCATION MAP

PERKASIE PLACE RESIDENTIAL DEVELOPMENT

25-038 JULY 2025

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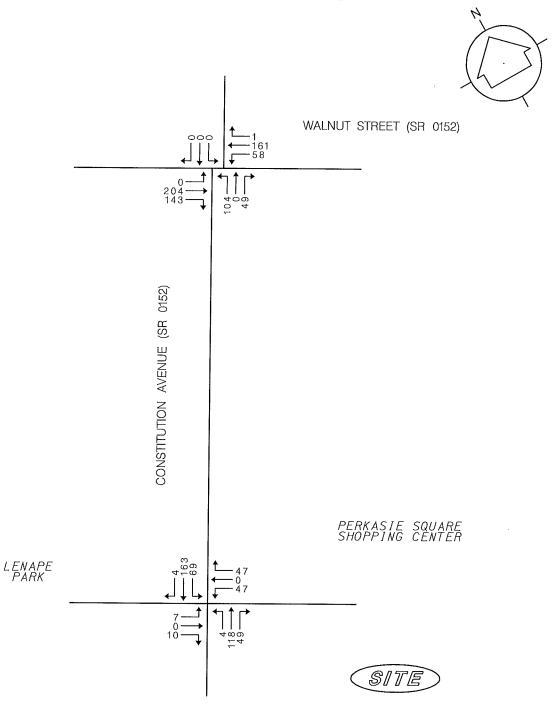


FIGURE 2 EXISTING WEEKDAY AM PEAK HOUR TRAFFIC VOLUMES

> PERKASIE PLACE RESIDENTIAL DEVELOPMENT

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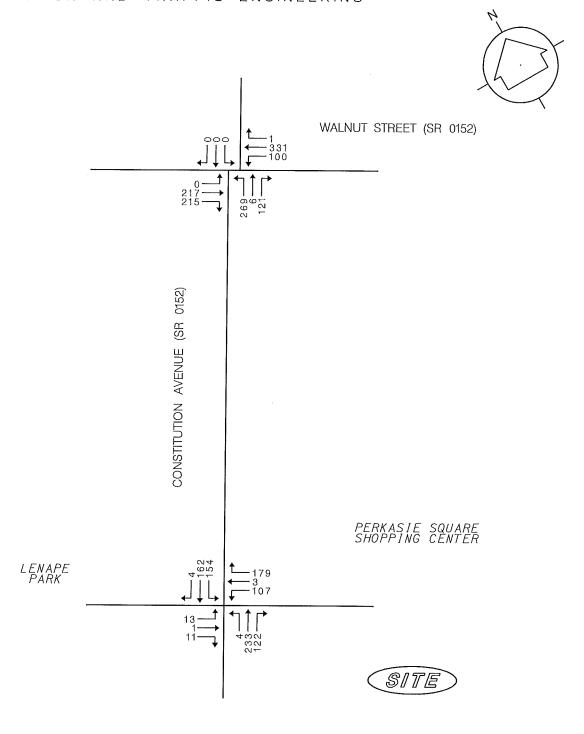


FIGURE 3 EXISTING WEEKDAY PM PEAK HOUR TRAFFIC VOLUMES

PERKASIE PLACE RESIDENTIAL DEVELOPMENT

PERKASIE AND SELLERSVILLE BOROUGHS, BUCKS COUNTY, PA

25-038 JULY 2025

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TRANSPORTATION AND TRAFFIC ENGINEERING

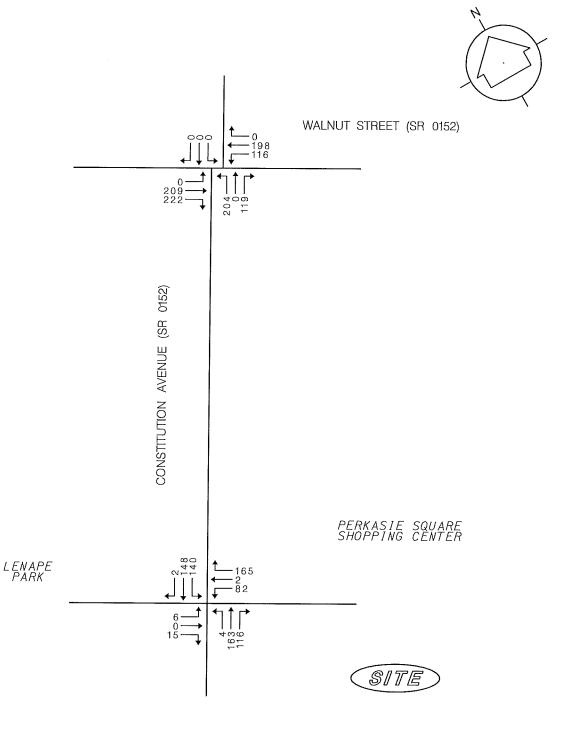


FIGURE 4 EXISTING SATURDAY MIDDAY PEAK HOUR TRAFFIC VOLUMES

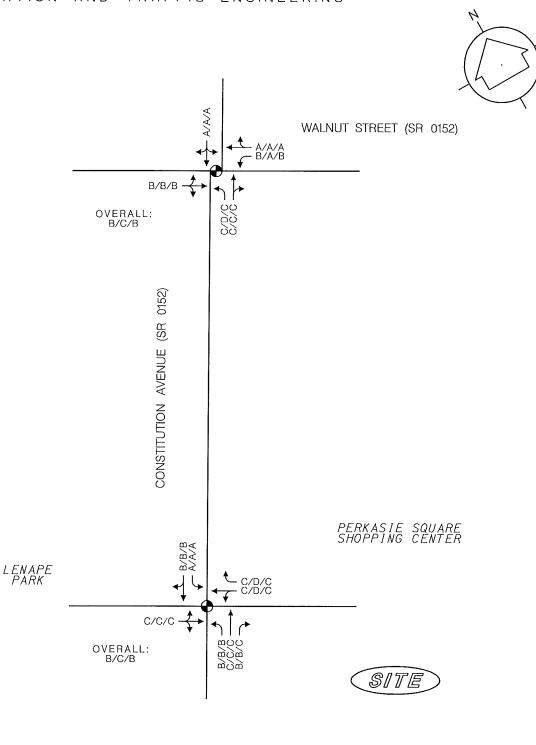
PERKASIE PLACE RESIDENTIAL DEVELOPMENT

25-038 JULY 2025

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LEGEND:

← AM/PM/SATURDAY PEAK HOUR

TRAFFIC SIGNAL

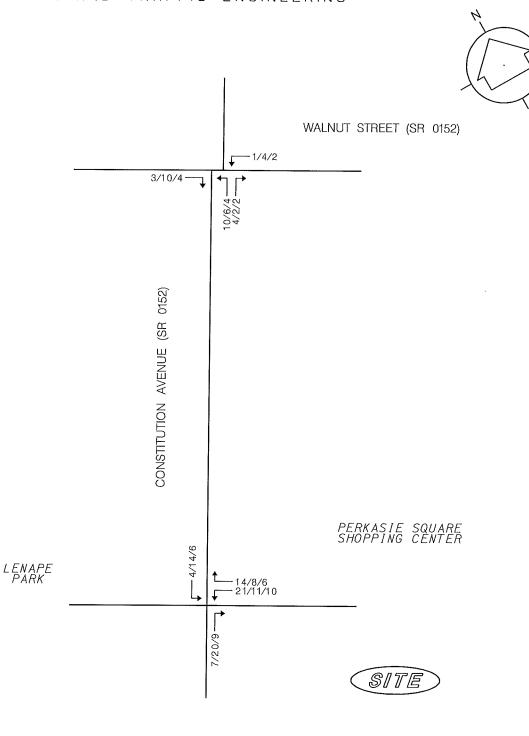
FIGURE 5 EXISTING LEVELS OF SEVICE

PERKASIE PLACE RESIDENTIAL DEVELOPMENT

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LEGEND:

AM/PM/SATURDAY PEAK HOUR

FIGURE 6 SITE TRIPS

PERKASIE PLACE RESIDENTIAL DEVELOPMENT

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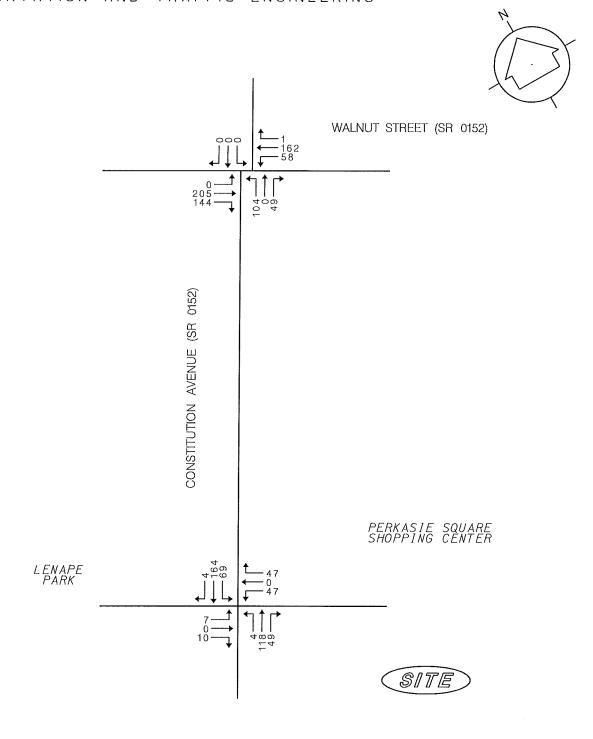


FIGURE 7
NO-BUILD WEEKDAY AM PEAK HOUR TRAFFIC VOLUMES

PERKASIE PLACE RESIDENTIAL DEVELOPMENT

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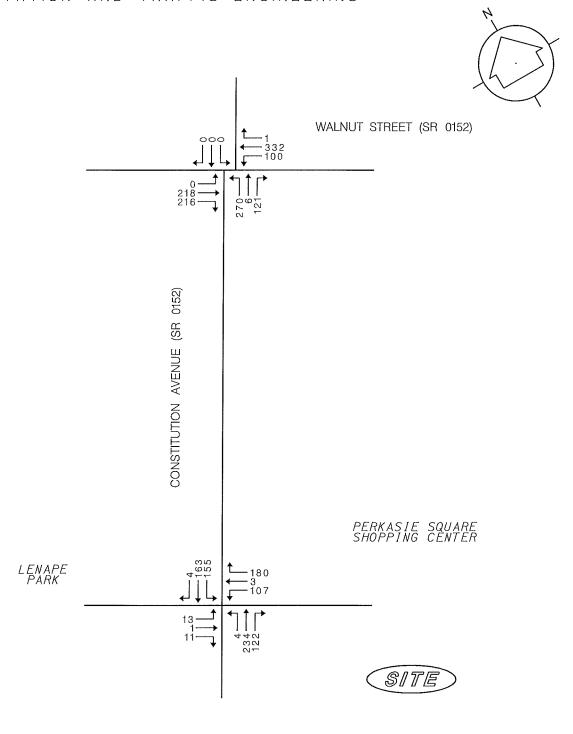


FIGURE 8 NO-BUILD WEEKDAY PM PEAK HOUR TRAFFIC VOLUMES

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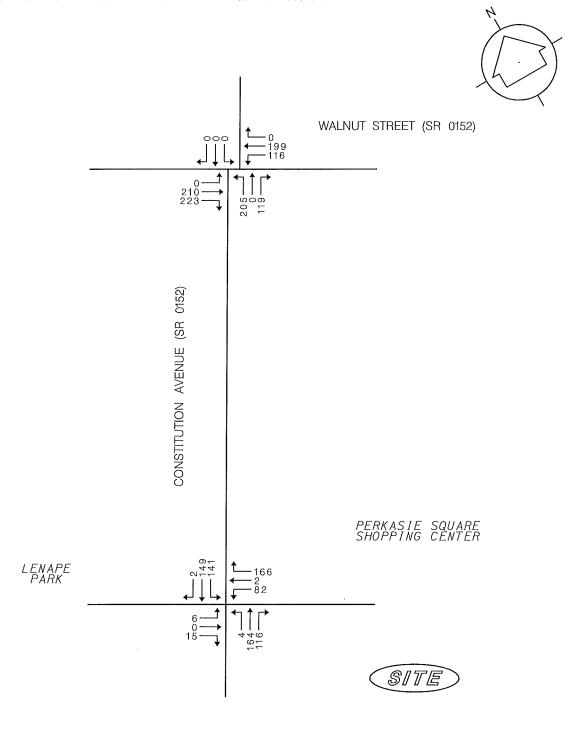


FIGURE 9 NO-BUILD SATURDAY MIDDAY PEAK HOUR TRAFFIC VOLUMES

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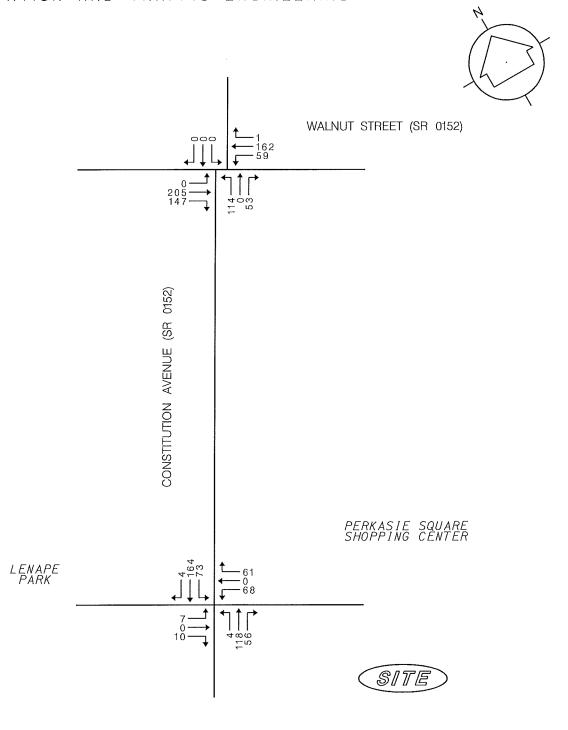


FIGURE 10 BUILD WEEKDAY AM PEAK HOUR TRAFFIC VOLUMES

> PERKASIE PLACE RESIDENTIAL DEVELOPMENT

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WALNUT STREET (SR 0152) 000 0152) (SR CONSTITUTION AVENUE PERKASIE SQUARE SHOPPING CENTER

LENAPE PARK

13

13

13

11

13

11

11

SITE

FUGRE 11 BUILD WEEKDAY PM PEAK HOUR TRAFFIC VOLUMES

PERKASIE PLACE RESIDENTIAL DEVELOPMENT

25-038 JULY 2025

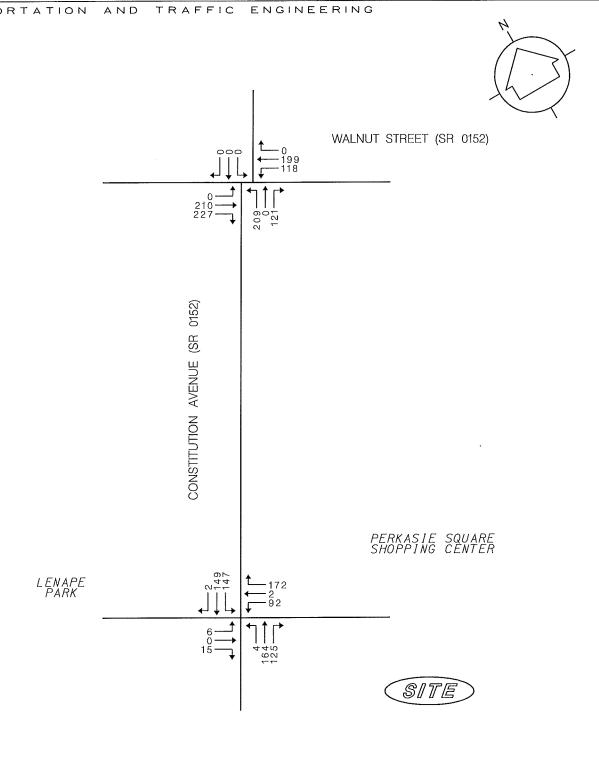
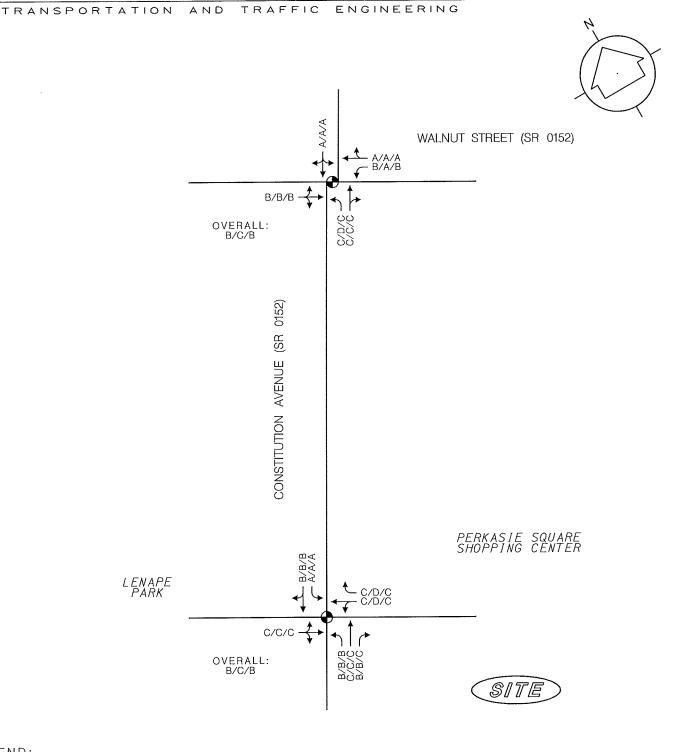


FIGURE 12 BUILD SATURDAY MIDDAY PEAK HOUR TRAFFIC VOLUMES

PERKASIE PLACE RESIDENTIAL DEVELOPMENT

25-038 JULY 2025



LEGEND:

← AM/PM/SATURDAY PEAK HOUR

TRAFFIC SIGNAL

FIGURE 13 NO-BUILD LEVELS OF SEVICE

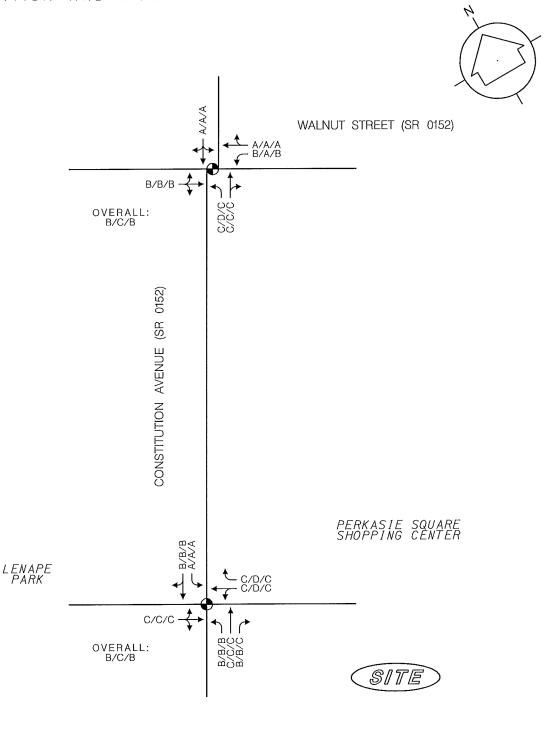
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PERKASIE AND SELLERSVILLE BOROUGHS, BUCKS COUNTY, PA

TRANSPORTATION AND TRAFFIC ENGINEERING



LEGEND:

← AM/PM/SATURDAY PEAK HOUR

TRAFFIC SIGNAL

FIGURE 14 BUILD LEVELS OF SEVICE

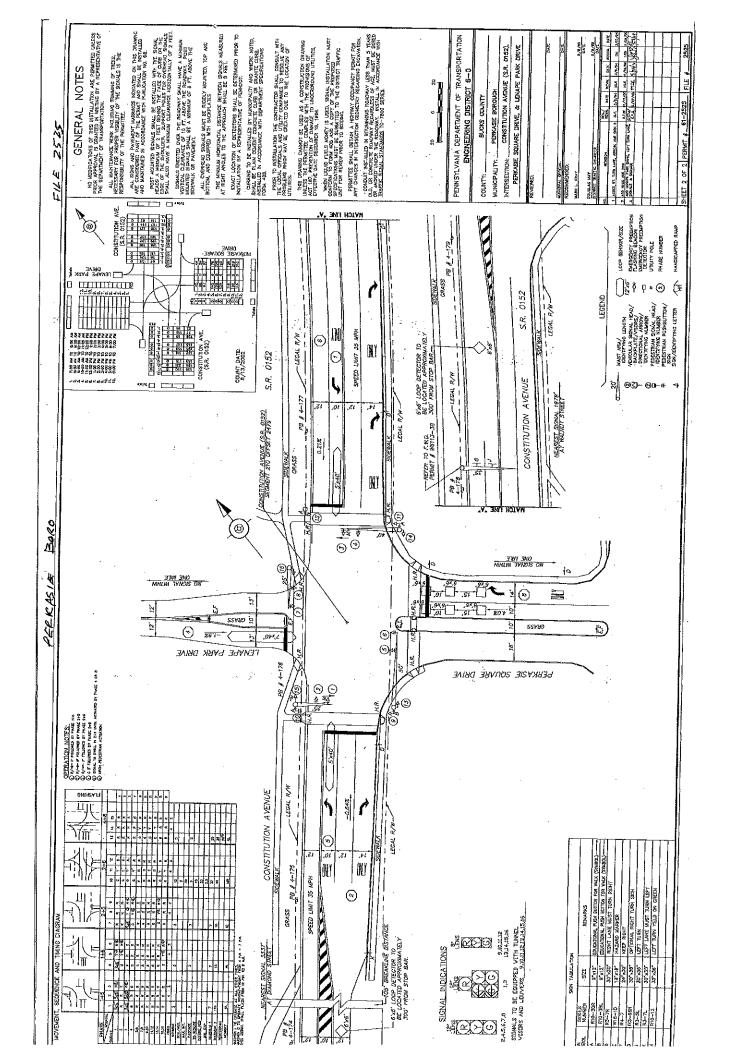
PERKASIE PLACE RESIDENTIAL DEVELOPMENT

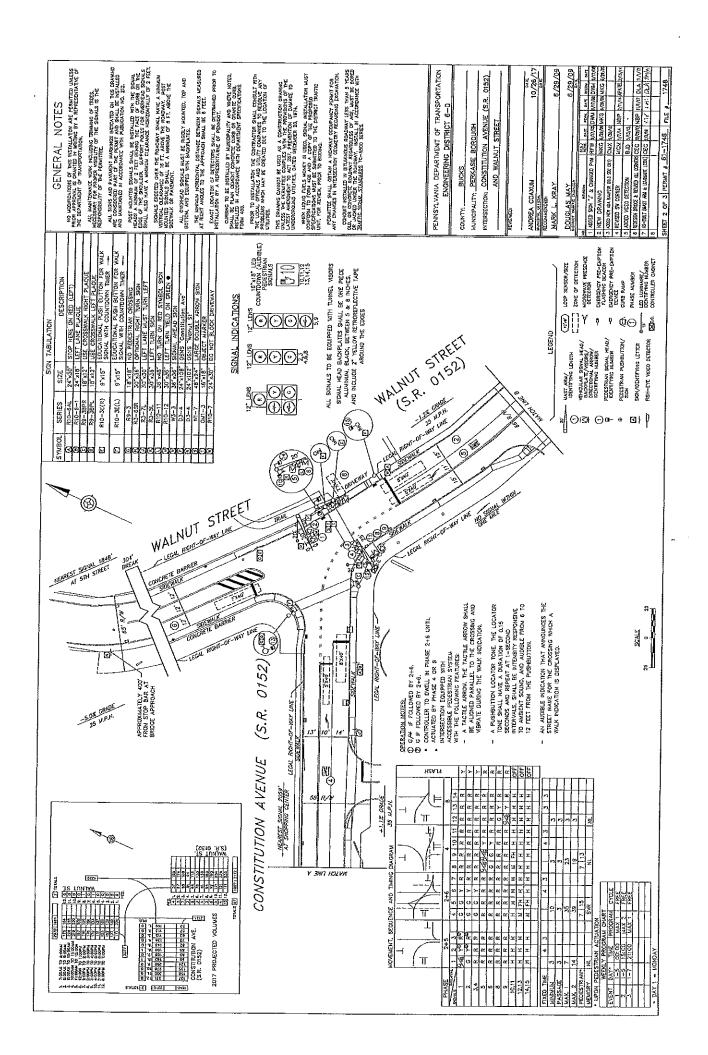
25-038 JULY 2025

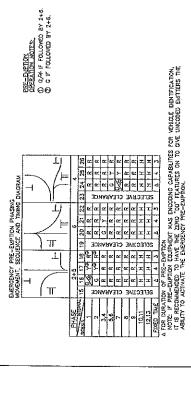
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APPENDIX A Traffic Signal Plans







EMERGENCY PRE-EMPTION NOTES:

* CONTROLEG TO BE COUPPED WITH EMERGENCY PRE-EMPTION FOR THE EASTBOUND AND WESTBOUND APPROACHES OF WEIGHTS TREET AND THE CONFIDENCIAN APPROACH OF CONSTITUTION AMONG WITH A PAIL SAFE DEVICE FOR EACH DIRECTION OF DEPARTION.

** THIS EMPREMENT BLACKEN SHALL CANSEY OF A FLASHING WHITE TLOOD LICELT AND SHALL FLASH WHEN THE CAND LICELATED HEN SHALL SHADKING THE WEST OF THE WITE SECTION HEN THE ADMINISTRATION OF THE EMPREMENT CHANGES AND THE CHANGES HEND THE DESCRIPTION OF THE CHANGES HEND THE CHANGES AND THE CHANGES HEND THE CHANGES AND THE

** THE SENALS, WE'N ACTIVATED EY EAGRENCY VEHICLES, SYALL TENMANTE ALL GREEN NOTATIONS MAKENATE. TRILLOW AND RED GLEENANGE. INTERPALS, ACCORDINGLY, NOT HE GREEN WITSTAVLS. AND RED GLEENANGE. THE WAS AND STORMAND TO THE PRE-EAGRED PHASE SHALL GREEN WITSTAVL, NOT HE PRE-EAGRED PHASE SHALL WEST OF SHALL SHALL OF SHALL S

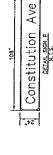
* THE SIGNALS, WHEN ACTIVATED BY EMERGENCY VEHICLE SHALL THAE OUT ALL YELLOW, HAND, MAY AND ARD NOOLATIONS, FOLLOWED BY THE ORDER. WITENVAL OF THE PRE-EMPTION PHASE CONVENCE BY THE APPROACHING EMERGENCY VEHICLE.

• IF THE SIGNAL HAS BEEN ACTUATED BY A PEDESTRIAM PUSH BUTTON AND THE SIGNAL IS PRE-EMPTED DURING THE WAIN TREFACE, HEAN MATCHAS SHALL SHALLE BANKEDINTELY FOLLOWER BY THE "PASSHIRE HAND" SECUTION IN ITS DITRETY FOLLOWER BY THE APPROPRIATE SELECTIVE CLEARANCES BEFORE PROCEEDING TO THE PRE-EMPTINA PHASE.

* IF THE SIGNALS, WHEN ACTIVATED BY AN EMERGENCY VEHICLE ARE FLASHING, ALL SIGNALS SHALL REMAIN FLASHING, ALL

* IF ADDITIONAL PRE-EMPTON, PHASES ARE ACTIVATED WAILE IN FIEL-EMPTION, THE OSCIONAL FREE-LAPTION THASE SHALL THE OUT BETCHE PROCESSING TO THE NEXT PRE-EMPTION PHASE, TO THE NEXT PRE-EMPTION PHASE, TO THE NEXT PRESENT PHASE, TO THE NEXT PRESENT PHASE, TO THE NEXT PRESENT PROCESSING TO THE NEXT PRESENT THE FOLLOW.

• IN EMERGENCY PRE-EMPTION, NO PRIORITY SHALL BE ESTABLISHED, PRE-EMPTION SHALL BE A "FIRST COME, FIRST SERVE" OPERATION.

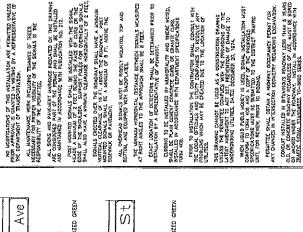


GENERAL NOTES

CLEARNEW 1—W
REDUCED 25X
10,5' UPPER CASE
8' LOWER CASE
WHITE LEGENS ON RETLECTORIZED GREEN
BACKGROUND

| | S | |
|-----|-------|-------------------------|
| 102 | alnut | DETAIL SIGN R N.T.S. |
| | .92 | |

CLEARNEW 1-W
12" UPPER CASE
9" LOWER CASE
9" LOWER CASE
WHITE LEGEND ON REFLECTORIZED GREEN
BACKGROUND



Y 3MT HOLYM

COUNTY, BUCKS

COUNTY, BUCKS

MANUCPALITY, PERKASIE BOROUGH

INTERSECTION, CONSTITUTION AVENUE (S.R. 0152)

ROUGHS

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ANDREA COAXIM

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PENNSYLVANIA DEPARTMENT OF TRANSPORTATION

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SCALE 25

APPENDIX B

Traffic Counts

Transportation and Traffic Engineering

4950 York Rd, Suite 2G, P.O. 301, Holicong, PA 18928-0301 105 Atsion Rd, Suite F, Medford, NJ 08055

NB/SB: Constitution Ave./ Business DW

EB/WB: Walnut St.

Perkasie Boro./ Bucks Co./ PA

Saturday/ Lt. Rain/ E-14/ GD

File Name: 25-038-011

Site Code : 25038011

Start Date : 6/7/2025

| | | Gro | ups Print | <u>ed- Passe</u> i | nger and | 2 Axle Ve | ehicles - Bu | uses and | Heavy Vo | ehicles | | | |
|---------------------------------|------|----------|-----------|--------------------|-----------------|-----------|--------------|------------|----------|---------|-----------|-------|------------|
| | Bus | iness DV | ٧ | V | lalnut St. | | Cons | titution A | ve. | W | alnut St. | | |
| | Sol | uthbound | | W | <u>estbound</u> | | No | rthbound | | Ea | stbound | | |
| Start Time | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Int. Total |
| 11:00 AM | 0 | 0 | 0 | 23 | 49 | 0 | 44 | 0 | 27 | 0 | 54 | 59 | 256 |
| 11:15 AM | 0 | 0 | 0 | 12 | 44 | 0 | 52 | 0 | 29 | 0 | 61 | 40 | 238 |
| 11:30 AM | 0 | 0 | 0 | 22 | 42 | 0 | 45 | 0 | 26 | 0 | 51 | 53 | 239 |
| 11:45 AM | 0 | 00 | 0 | 23 | 51 | 0 | 45 | 0 | 29 | 0 | 57 | 60 | 265 |
| Total | 0 | 0 | 0 | 80 | 186 | 0 | 186 | 0 | 111 | 0 | 223 | 212 | 998 |
| | | | | | | | | | | | | , | |
| 12:00 PM | 0 | 0 | 0 | 31 | 57 | 0 | 47 | 0 | 29 | 0 | 60 | 66 | 290 |
| 12:15 PM | 0 | 0 | 0 [| 27 | 39 | 0 | 45 | 0 | 31 | 0 | 62 | 48 | 252 |
| 12:30 PM | 0 | 0 | 0 | 28 | 49 | 0 | 64 | 0 | 25 | 0 | 40 | 53 | 259 |
| 12:45 PM | 0 | 0 | 0 | 30 | 53 | 0 | 48 | 0 | 34 | 0 | 47 | 55 | 267 |
| Total | 0 | 0 | 0 | 116 | 198 | 0 | 204 | 0 | 119 | 0 | 209 | 222 | 1068 |
| | | | | | | | | | • | | | | |
| Grand Total | 0 | 0 | 0 | 196 | 384 | 0 | 390 | 0 | 230 | 0 | 432 | 434 | 2066 |
| Apprch % | 0 | 0 | 0 | 33.8 | 66.2 | 0 | 62.9 | 0 | 37.1 | 0 | 49.9 | 50.1 | |
| Total % | 0 | 0 | 0 | 9.5 | 18.6 | 0 | 18.9 | 0 | 11.1 | 0 | 20.9 | 21 | |
| Passenger and 2 Axie Vehicles | 0 | 0 | 0 | 193 | 376 | 0 | 381 | 0 | 224 | 0 | 424 | 428 | 2026 |
| % Passenger and 2 Axia Vehicles | 0 | 0 | 0 | 98.5 | 97.9 | 0 | 97.7 | 0 | 97.4 | 0 | 98.1 | 98.6 | 98.1 |
| Buses and Heavy Vehicles | 0 | 0 | 0 | 3 | 8 | 0 | 9 | 0 | 6 | 0 | 8 | 6 | 40 |
| % Buses and Heavy Vehicles | 0 | 0 | 0 | 1.5 | 2.1 | 0 | 2.3 | 0 | 2.6 | 0 | 1.9 | 1.4 | 1.9 |

| | | Busine | ess DW | | | Wali | nut St. | | (| Constitu | ution Av | e. | | Wali | nut St. | | |
|----------------------------|----------|---------|----------|------------|---------|------|---------|------------|------|----------|----------|------------|------|------|---------|------------|------------|
| | | South | bound | | | West | bound | | | North | bound | | | East | bound | | |
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App, Total | Int. Total |
| Peak Hour An | | | | | | | of 1 | | | | | | | | | | |
| Peak Hour for | Entire I | ntersec | tion Beg | gins at 1 | 2:00 PN | Л | | | | | | | | | | | |
| 12:00 PM | 0 | 0 | 0 | 0 | 31 | 57 | 0 | 88 | 47 | 0 | 29 | 76 | 0 | 60 | 66 | 126 | 290 |
| 12:15 PM | 0 | 0 | 0 | 0 | 27 | 39 | 0 | 66 | 45 | 0 | 31 | 76 | 0 | 62 | 48 | 110 | 252 |
| 12:30 PM | 0 | 0 | 0 | 0 | 28 | 49 | 0 | 77 | 64 | 0 | 25 | 89 | 0 | 40 | 53 | 93 | 259 |
| 12:45 PM | 0 | 0_ | 0 | 0 | 30 | 53 | 0 | 83 | 48 | 0 | 34 | 82 | 0 | 47 | 55 | 102 | 267 |
| Total Volume | 0 | 0 | 0 | 0 | 116 | 198 | 0 | 314 | 204 | 0 | 119 | 323 | 0 | 209 | 222 | 431 | 1068 |
| % App. Total | 0 | 0 | 0 | | 36.9 | 63.1 | 0 | | 63.2 | 0 | 36.8 | | 0 | 48.5 | 51.5 | | |
| PHF | .000 | .000 | .000 | .000 | .935 | .868 | .000 | .892 | .797 | .000 | .875 | .907 | .000 | .843 | .841 | .855 | .921 |
| Passenger and 2 Axla | 0 | 0 | 0 | 0 | 113 | 192 | 0 | 305 | 200 | 0 | 115 | 315 | 0 | 203 | 220 | 423 | 1043 |
| Vehicles | " | • | · | | 110 | 102 | U | 303 | 2.00 | U | 113 | 313 | U | 203 | 220 | 423 | 1043 |
| % Passenger and 2 Axie | 0 | 0 | 0 | 0 | 97.4 | 97.0 | 0 | 97.1 | 98.0 | 0 | 96.6 | 97.5 | 0 | 97.1 | 99.1 | 98.1 | 97.7 |
| Vehicles | _ | | _ | _ | _ | _ | _ | i | | _ | | ļ | _ | | | | |
| Buses and Heavy Vehicles | 0 | 0 | 0 | 0 | 3 | 6 | Ü | 9 | 4 | 0 | 4 | 8 | 0 | 6 | 2 | 8 | 25 |
| % Buses and Heavy Vehicles | 0 | 0 | 0 | 0 | 2.6 | 3.0 | 0 | 2.9 | 2.0 | 0 | 3.4 | 2.5 | 0 | 2.9 | 0.9 | 1.9 | 2.3 |

Transportation and Traffic Engineering

4950 York Rd, Suite 2G, P.O. 301, Holicong, PA 18928-0301 105 Atsion Rd, Suite F, Medford, NJ 08055

NB/SB: Constitution Ave.

EB/WB: Perkasie Place/ Park Access

Perkasie Boro/ Bucks Co./ PA

Tuesday/ Cloudy/ E-01/ LE

File Name: 25-038-002

Site Code : 25038002

Start Date : 5/27/2025

| | | Gro | ups Prinț | ed- Passe | nger and | 2 Axle V | ehicles - B | uses and | Heavy V | ehicles | | | |
|---------------------------------|------|-------------|-----------|-----------|------------|----------|-------------|-------------|---------|---------|-----------|-------|------------|
| | Cons | stitution A | ve. | Perl | kasie Plac | ce | Cons | stitution A | ve. | Pa | rk Access | | |
| | | uthbound | | W | estbound | | | orthbound | | | astbound | | |
| Start Time | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left . | Thru | Right | Int. Total |
| 07:00 AM | 16 | 38 | 1 | 4 | 0 | 6 | 1 | 23 | 13 | 1 | 0 | 2 | 105 |
| 07:15 AM | 17 | 40 | 1 | 10 | 0 | 9 | 1 | 33 | 8 | 3 | 0 | 3 | 125 |
| 07:30 AM | 15 | 44 | 1] | 12 | 0 | 10 | 0 | 30 | 14 | 1 | 0 | 1 | 128 |
| 07:45 AM | 22 | 41 | 1 | 12. | . 0 | 16 | 0 | 26 | 15 | 1 | 0 | 5 | 139 |
| Total | 70 | 163 | 4 | 38 | 0 | 41 | 2 | 112 | 50 | 6 | 0 | 11 | 497 |
| 08:00 AM | 15 | 38 | 1 | 13 | 0 | 12 | 3 | 29 | 12 | 2 | 0 | 1 | 126 |
| 08:15 AM | 9 | 39 | 3 | 11 | 0 | 9 | 2 | 35 | 11 | 4 | Ō | 1 | 124 |
| 08:30 AM | 11 | 36 | 0 | 7 | 2 | 9 | 1 | 32 | 13 | 0 | 0 | 0 | 111 |
| 08:45 AM | 18 | 33 | 0 | 11 | 0 | 17 | 0 | 26 | 16 | 3 | 0 | 2 | 126 |
| Total | 53 | 146 | 4 | 42 | 2 | 47 | 6 | 122 | 52 | 9 | 0 | 4 | 487 |
| *** BREAK *** | | | | | | | | | | | | | |
| 04:00 PM | 27 | 34 | 1 | 27 | 5 | 36 | 1 | 54 | 33 | 1 | 0 | 2 | 221 |
| 04:15 PM | 27 | 27 | 3 | 22 | 1 | 39 | 1 | 64 | 37 | 3 | Ö | 2 | 226 |
| 04:30 PM | 40 | 39 | 0 | 18 | 0 | 39 | 1 | 73 | 22 | 2 | 1 | 4 | 239 |
| 04:45 PM | 36 | 53 | 0 | 28 | 2 | 45 | 1 | 39 | 32 | 2 | Ò | o. | 238 |
| Total | 130 | 153 | 4 | 95 | 8 | 159 | 4 | 230 | 124 | 8 | 1 | 8 | 924 |
| 05:00 PM | 38 | 34 | 1 | 30 | 0 | 45 | 1 | 71 | 30 | 3 | 0 | 3 | 256 |
| 05:15 PM | 42 | 38 | 2 | 20 | 0 | 48 | 2 | 67 | 29 | 4 | í | 3 | 256 |
| 05:30 PM | 38 | 37 | 1 | 29 | 1 | 41 | 0 | 56 | 31 | 4 | Ó | 5 | 243 |
| 05:45 PM | 21 | 38 | 1 | 25 | 2 | 35 | 0 | 55 | 25 | 2 | 1 | 2 | 207 |
| Total | 139 | 147 | 5 | 104 | 3 | 169 | 3 | 249 | 115 | 13 | 2 | 13 | 962 |
| Grand Total | 392 | 609 | 17 | 279 | 13 | 416 | 15 | 713 | 341 | 36 | 3 | 36 | 2870 |
| Apprch % | 38.5 | 59.8 | 1.7 | 39.4 | 1.8 | 58.8 | 1.4 | 66.7 | 31.9 | 48 | 4 | 48 | 2010 |
| Total % | 13.7 | 21.2 | 0.6 | 9.7 | 0.5 | 14.5 | 0.5 | 24.8 | 11.9 | 1.3 | 0.1 | 1.3 | |
| Passenger and 2 Axle Vehicles | 391 | 608 | 17 | 277 | 13 | 416 | 15 | 712 | 339 | 36 | 3 | 36 | 2863 |
| % Passenger and 2 Axie Vehicles | 99.7 | 99.8 | 100 | 99.3 | 100 | 100 | 100 | 99.9 | 99.4 | 100 | 100 | 100 | 99.8 |
| Buses and Heavy Vehicles | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 7 |
| % Buses and Heavy Vehicles | 0.3 | 0.2 | 0 | 0.7 | 0 | 0 | 0 | 0.1 | 0.6 | 0 | 0 | 0 | 0.2 |

Transportation and Traffic Engineering

4950 York Rd, Suite 2G, P.O. 301, Holicong, PA 18928-0301 105 Atsion Rd, Suite F, Medford, NJ 08055

NB/SB: Constitution Ave.

EB/WB: Perkasie Place/ Park Access

Perkasie Boro/ Bucks Co./ PA

Tuesday/ Cloudy/ E-01/ LE

File Name: 25-038-002

Site Code : 25038002

Start Date : 5/27/2025

| | | Constitu | tion Av | re. | | Perkas | sie Plac | e | | Constitu | ution Av | /e. | | Park . | Access | | |
|----------------------------|----------|----------|----------|------------|----------|---------|----------|------------|------|----------|----------|------------|------|--------|--------|-------------|-----------------|
| | | | nbound | | | Wes | tbound | | | North | bound | | | East | bound | | |
| Start Time | Left | | | App. Total | Left | Thru | | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour An | | | | | | | of 1 | | | | | | | | | | |
| Peak Hour for | Entire I | intersec | ction Be | gins at 0 | 7:15 AN | Λ | | | | | | | | | | | |
| 07:15 AM | 17 | 40 | 1 | 58 | 10 | 0 | 9 | 19 | 1 | 33 | 8 | 42 | 3 | 0 | 3 | 6 | 125 |
| 07:30 AM | 15 | 44 | 1 | 60 | 12 | 0 | 10 | 22 | 0 | 30 | 14 | 44 | 1 | 0 | 1 | 2 | 128 |
| 07:45 AM | 22 | 41 | 1 | 64 | 12 | 0 | 16 | 28 | 0 | 26 | 15 | 41 | 1 | 0 | 5 | 6 | 139 |
| MA 00:80 | 15 | 38 | . 1 | 54 | 13 | 0 | 12 | 25 | 3 | 29 | 12 | 44 | 2 | 0 | 1 | 3 | 126 |
| Total Volume | 69 | 163 | 4 | 236 | 47 | 0 | 47 | 94 | 4 | 118 | 49 | 171 | 7 | 0 | 10 | 17 | 518 |
| % App. Total | 29.2 | 69.1 | 1.7 | | 50 | 0 | 50 | | 2.3 | 69 | 28.7 | | 41.2 | 0 | 58.8 | | |
| PHF | .784 | .926 | 1.00 | .922 | .904 | .000 | .734 | .839 | .333 | .894 | .817 | .972 | .583 | .000 | .500 | .708 | .932 |
| Passenger and 2 Axle | 69 | 163 | 4 | 236 | 45 | 0 | 47 | 92 | 4 | 118 | 48 | 170 | 7 | 0 | 10 | 17 | 515 |
| Vehicles | 0.0 | 100 | 7 | 200 | 40 | U | 47 | 92 | -1 | 110 | 40 | 170 | ' | U | 10 | 17 | 515 |
| % Patsenger and 2 Axlo | 100 | 100 | 100 | 100 | 95.7 | 0 | 100 | 97.9 | 100 | 100 | 98.0 | 99.4 | 100 | 0 | 100 | 100 | 99.4 |
| Vehicles | 0 | 0 | 0 | | 2 | 0 | ^ | | | | | 1 | | _ | | | |
| Buses and Heavy Vehicles | 0 | 0 | 0 0 | 0 | 2 4.3 | 0 | 0 | 2 2.1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 3 |
| % Buses and Heavy Vehicles | U | U | U | VΙ | 4.3 | U | U | 2.1 | U | 0 | 2.0 | 0.6 | 0 | 0 | 0 | 0 | 0.6 |
| Peak Hour An | alvsis F | rom 04: | 00 PM | to 05:45 | PM - Pi | eak 1 d | of 1 | | | | | | | | | | |
| Peak Hour for | | | | | | | , | | | | | | | | | | |
| 04:45 PM | 36 | 53 | 0 | 89 | 28 | . 2 | 45 | 75 | 1 | 39 | 32 | 72 | 2 | 0 | 0 | 2 | 238 |
| 05:00 PM | 38 | 34 | 1 | 73 | 30 | 0 | 45 | 75 | 1 | 71 | 30 | 102 | 3 | ŏ | 3 | 6 | 25 6 |
| 05:15 PM | 42 | 38 | 2 | 82 | 20 | ō | 48 | 68 | 2 | 67 | 29 | 98 | 4 | í | 3 | 8 | 256 |
| 05:30 PM | 38 | 37 | 1 | 76 | 29 | 1 | 41 | 71 | 0 | 56 | 31 | 87 | 4 | Ö | 5 | ğ | 243 |
| Total Volume | 154 | 162 | 4 | 320 | 107 | 3 | 179 | 289 | 4 | 233 | 122 | 359 | 13 | 1 | 11 | 25 | 993 |
| % App. Total | 48.1 | 50.6 | 1.2 | | 37 | 1 | 61.9 | | 1.1 | 64.9 | 34 | 000 | 52 | 4 | 44 | | 000 |
| PHF | .917 | .764 | .500 | .899 | .892 | .375 | .932 | .963 | .500 | .820 | .953 | .880 | .813 | .250 | .550 | .694 | .970 |
| Passenger and 2 Axle | 154 | 162 | 4 | | | | | | | | | | | | | | |
| Vehicles | 104 | 102 | 4 | 320 | 107 | 3 | 179 | 289 | 4 | 233 | 122 | 359 | 13 | 1 | 11 | 25 | 993 |
| % Passenger and 2 Axle | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| Vehicles | | | | | | | | | | | | | | | | | |
| Buses and Heavy Vehicles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| % Buses and Heavy Vehicles | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Transportation and Traffic Engineering

4950 York Rd, Suite 2G, P.O. 301, Holicong, PA 18928-0301 105 Atsion Rd, Suite F, Medford, NJ 08055

NB/SB: Constitution Ave.

EB/WB: Perkasie Place/ Park Access

Perkasie Twp./ Bucks Co./ PA

Saturday/ Clear/ E-01/ LE

File Name: 25-038-012

Site Code : 25038012

Start Date : 5/31/2025

| | | Grou | ups Printe | ed- Passen | ger and | 2 Axle Ve | hicles - Bu | uses and | Heavy V | ehicles | | | |
|---------------------------------|------|-------------|------------|------------|-----------|-----------|-------------|------------|---------|---------|-----------|-------|------------|
| | Cons | titution Av | | | asie Plac | | | titution A | | | rk Access | | |
| | So | uthbound | | We | estbound | | No | orthbound | | Ea | astbound | | |
| Start Time | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Int. Total |
| 11:00 AM | 30 | 33 | 0 | 16 | 0 | 32 | 1 | 36 | 20 | 2 | 0 | 0 | 170 |
| 11:15 AM | 33 | 39 | 0 | 24 | 0 | 34 | 1 | 31 | 30 | 2 | Ó | 4 | 198 |
| 11:30 AM | 32 | 32 | 1 | 20 | 1 | 39 | 0 | 41 | 24 | 0 | 0 | 5 | 195 |
| 11:45 AM | 35 | 39 | 0 | 20 | 0 | 37 | 2 | 40 | 29 | 4 | 0 | 3 | 209 |
| Total | 130 | 143 | 1 | 80 | 1 | 142 | 4 | 148 | 103 | 8 | 0 | 12 | 772 |
| | | | _ 1 | | | 1 | | | | | | | |
| 12:00 PM | 33 | 38 | 0 | 21 | 0 | 33 | 0 | 42 | 24 | 1 | 0 | 4 | 196 |
| 12:15 PM | 27 | 29 | 0 | 18 | 0 | 48 | 2 | 41 | 23 | 3 | 0 | 1 | 192 |
| 12:30 PM | 44 | 35 | 0 | 21 | 1 | 42 | 1 | 38 | 38 | 2 | 0 | 5 | 227 |
| 12:45 PM | 36 | 46 | 2 | 22 | . 1 | 42 | 11 | 42 | 31 | . 0 | 0 | 5 | 228 |
| Total | 140 | 148 | 2 | 82 | 2 | 165 | 4 | 163 | 116 | 6 | 0 | 15 | 843 |
| Grand Total | 270 | 291 | 3 İ | 162 | 3 | 307 | 8 | 311 | 219 | 14 | 0 | 27 | 1615 |
| Apprch % | 47.9 | 51.6 | 0.5 | 34.3 | 0.6 | 65 | 1.5 | 57.8 | 40.7 | 34.1 | 0 | 65.9 | 1015 |
| Total % | 16.7 | 18 | 0.2 | 10 | 0.2 | 19 | 0.5 | 19.3 | 13.6 | 0.9 | 0 | 1.7 | |
| Passenger and 2 Axte Vehicles | 270 | 289 | 3 | 162 | 3 | 307 | 8 | 311 | 219 | 14 | 0 | 27 | 1613 |
| % Passenger and 2 Axle Vehicles | 100 | 99.3 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | Ô | 100 | 99.9 |
| Buses and Heavy Vehicles | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | ő | 0 | 0 | 0 | 2 |
| % Buses and Heavy Vehicles | 0 | 0.7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 |

| | (| | ution Av | е. | | | ie Plac | 9 | (| Constitu | ıtion Av | e. | | Park | Access | , | |
|----------------------------|----------|---------|----------|------------|---------|---------|---------|------------|------|----------|----------|------------|------|------|--------|------------|------------|
| | | South | bound | | | West | bound | | | North | bound | | | East | bound | | |
| Start Time | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | int. Total |
| Peak Hour And | alysis F | rom 11 | MA 00: | to 12:45 | PM - P | eak 1 c | of 1 | | | | | | | | | | |
| Peak Hour for | Entire I | ntersec | tion Beg | gins at 1 | 2:00 PN | 1 | | | | | | | | | | | |
| 12:00 PM | 33 | 38 | 0 | 71 | 21 | 0 | 33 | 54 | 0 | 42 | 24 | 66 | 1 | 0 | 4 | 5 | 196 |
| 12:15 PM | 27 | 29 | 0 | 56 | 18 | 0 | 48 | 66 | 2 | 41 | 23 | 66 | 3 | 0 | 1 | 4 | 192 |
| 12:30 PM | 44 | 35 | 0 | 79 | 21 | 1 | 42 | 64 | 1 | 38 | 38 | 77 | 2 | 0 | 5 | 7 | 227 |
| 12:45 PM | 36 | 46 | 2 | 84 | 22 | 1_ | 42 | 65 | 1 | 42 | 31 | 74 | 0 | 0 | 5 | 5 | 228 |
| Total Volume | 140 | 148 | 2 | 290 | 82 | 2 | 165 | 249 | 4 | 163 | 116 | 283 | 6 | 0 | 15 | 21 | 843 |
| % App. Total | 48.3 | 51 | 0.7 | | 32.9 | 0.8 | 66.3 | | 1.4 | 57.6 | 41 | | 28.6 | 0 | 71.4 | | |
| PHF | .795 | .804 | .250 | .863 | .932 | .500 | .859 | .943 | .500 | .970 | .763 | .919 | .500 | .000 | .750 | .750 | .924 |
| Passenger and 2 Axio | 140 | 147 | 2 | 289 | 82 | 2 | 165 | 249 | 4 | 163 | 116 | 283 | 6 | 0 | 15 | 21 | 842 |
| Vehicles | | | _ | | | _ | | - 10 | | 100 | , 10 | 200 | v | U | 10 | - ' | 042 |
| % Passenger and 2 Axis | 100 | 99.3 | 100 | 99.7 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 0 | 100 | 100 | 99.9 |
| Vehicles | ^ | 4 | ۸ | | | ^ | ^ | ام | • | _ | _ | | ^ | _ | | | |
| Buses and Heavy Vehicles | 0 | 1 | U | 1 | Ü | U | 0 | 0 | Ü | Ü | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| % Buses and Heavy Vehicles | 0 | 0.7 | 0 | 0.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.1 |

Transportation and Traffic Engineering

4950 York Rd, Suite 2G, P.O. 301, Holicong, PA 18928-0301 105 Atsion Rd, Suite F, Medford, NJ 08055

NB/SB: Constitution Ave./ Business DW

EB/WB: Walnut St.

Perkasie Boro./ Bucks Co./ PA

Thursday/ Clear/ E- 06/ AC

File Name: 25-038-001 AM

Site Code : 25038001 Start Date : 6/5/2025

| | | Gro | ups Print | ed- Passe | nger and | 2 Axle V | ehicle - Bu | ises and I | Heavy Ve | hicles | | | |
|--------------------------------|------|-----------------|-----------|------------|-----------|----------|-------------|------------|----------|--------|------------|-------|------------|
| | Bus | iness DW | | | alnut St. | | | titution A | | | lalnut St. | | |
| | | <u>ithbound</u> | | W | estbound | | No | orthbound | | E | astbound | | |
| Start Time | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Int. Total |
| 07:00 AM | 0 | 0 | 0 | 10 | 23 | 0 | 18 | 1 | 10 | 0 | 42 | 37 | 141 |
| 07:15 AM | 0 | 0 | 0 | 19 | 43 | 0 | 31 | 0 | 12 | Ö | 50 | 42 | 197 |
| 07:30 AM | 0 | 0 | 0 | 15 | 35 | 1 | 27 | 0 | 10 | 0 | 60 | 31 | 179 |
| 07:45 AM | 0 | 0 | 0 | <u>1</u> 8 | 50 | 0 | 24 | 0 | 14 | 0 | 51 | 43 | 200 |
| Total | 0 | 0 | 0 | 62 | 151 | 1 | 100 | 1 | 46 | 0 | 203 | 153 | 717 |
| | | | | | | | | | • | | | | |
| 08:00 AM | 0 | 0 | 0 | 6 | 33 | 0 | 22 | 0 | 13 | 0 | 43 | 27 | 144 |
| 08:15 AM | 0 | 0 | 0 | 14 | 41 | 0 | 30 | 0 | 5 | 0 | 42 | 37 | 169 |
| 08:30 AM | 0 | 0 | 0 | 19 | 34 | 0 | 27 | 0 | 13 | 0 | 43 | 37 | 173 |
| 08:45 AM | 0 | 0 | 2 | 13 | 35 | 0 | 27 | 0 | 15 | 0 | 36 | 34 | 162 |
| Total | 0 | 0 | 2 | 52 | 143 | 0 | 106 | 0 | 46 | 0 | 164 | 135 | 648 |
| | | | 1 | | | 1 | | | | | | | |
| Grand Total | 0 | 0 | 2 | 114 | 294 | 1 | 206 | 1 | 92 | 0 | 367 | 288 | 1365 |
| Apprch % | 0 | 0 | 100 | 27.9 | 71.9 | 0.2 | 68.9 | 0.3 | 30.8 | 0 | 56 | 44 | |
| Total % | 0 | 0 | 0.1 | 8.4 | 21.5 | 0.1 | 15.1 | 0.1 | 6.7 | 0 | 26.9 | 21.1 | |
| Passenger and 2 Axio Vehicle | 0 | 0 | 2 | 103 | 286 | 1 | 190 | 1 | 88 | 0 | 357 | 272 | 1300 |
| % Passenger and 2 Axle Vehicle | 0 | 0 | 100 | 90.4 | 97.3 | 100 | 92.2 | 100 | 95.7 | 0 | 97.3 | 94.4 | 95.2 |
| Buses and Heavy Vehicles | 0 | 0 | 0 | 11 | 8 | 0 | 16 | 0 | 4 | 0 | 10 | 16 | 65 |
| % Buses and Heavy Vehicles | 0 | 0 | 0 | 9.6 | 2.7 | 0 | 7.8 | 0 | 4.3 | 0 | 2.7 | 5.6 | 4.8 |

| | | Rusina | ess DW | ı | | Mal | nut St. | | - | Constitu | ution Av | | | 101-1 | C1 | | 1 |
|----------------------------|----------|---------|---------|------------|---------|------|---------|------------|------|----------|----------|------------|------|-------|---------|------------|------------|
| † | | | | | | | | | ١ , | | | e. | | | nut St. | Į. | |
| | | | bound | | | | tbound | | | | bound | | | | bound | | |
| Start Time | Left | | | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour Ana | | | | | | | of 1 | | | | <u> </u> | | | | | | |
| Peak Hour for | Entire I | ntersec | tion Be | gins at 0 | 7:15 AN | Λ | | | | | | | | | | | |
| 07:15 AM | 0 | 0 | 0 | 0 | 19 | 43 | 0 | 62 | 31 | 0 | 12 | 43 | 0 | 50 | 42 | 92 | 197 |
| 07:30 AM | 0 | 0 | 0 | 0 | 15 | 35 | 1 | 51 | 27 | 0 | 10 | 37 | 0 | 60 | 31 | 91 | 179 |
| 07:45 AM | 0 | 0 | 0 | 0 | 18 | 50 | 0 | 68 | 24 | 0 | 14 | 38 | 0 | 51 | 43 | 94 | 200 |
| MA 00:80 | 0 | 0 | 0 | 0 | 6 | 33 | 0 | 39 | 22 | 0 | 13 | 35 | 0 | 43 | 27 | 70 | 144 |
| Total Volume | 0 | 0 | 0 | 0 | 58 | 161 | 1 | 220 | 104 | 0 | 49 | 153 | 0 | 204 | 143 | | 720 |
| % App. Total | . 0 | 0 | 0 | | 26.4 | 73.2 | 0.5 | | 68 | 0 | 32 | İ | 0 | 58.8 | 41.2 | | 1 |
| PHF | .000 | .000 | .000 | .000 | .763 | 805 | .250 | .809 | .839 | .000 | .875 | .890 | .000 | .850 | .831 | .923 | .900 |
| Passenger and 2 Axle | 0 | 0 | 0 | 0 | 51 | 157 | 1 | 209 | 96 | 0 | 45 | 141 | 0 | 195 | 131 | 326 | 676 |
| Vahida | · | | ŭ | Ĭ | ٠. | 107 | • | 200 | 30 | U | 70 | '7' | U | 190 | 131 | 320 | 070 |
| % Patsenger and 2 Axio | 0 | 0 | 0 | 0 | 87.9 | 97.5 | 100 | 95.0 | 92.3 | Ω | 91.8 | 92,2 | 0 | 95.6 | 91.6 | 93.9 | 93.9 |
| Vehíola | _ | _ | _ | _ [| | | | | | • | 01.0 | | • | 00.0 | 01.0 | 30.0 | 55.5 |
| Buses and Heavy Vehicles | 0 | 0 | 0 | 0 | 7 | 4 | 0 | 11 | 8 | 0 | 4 | 12 | 0 | 9 | 12 | 21 | 44 |
| % Buses and Heavy Vehicles | 0 | 0 | 0 | 0 | 12.1 | 2.5 | 0 | 5.0 | 7.7 | 0 | 8.2 | 7.8 | 0 | 4.4 | 8.4 | 6.1 | 6.1 |

Transportation and Traffic Engineering

4950 York Rd, Suite 2G, P.O. 301, Holicong, PA 18928-0301 105 Atsion Rd, Suite F, Medford, NJ 08055

NB/SB: Constitution Ave./ Business DW

EB/WB: Walnut St.

Perkasie Boro./ Bucks Co./ PA

Thursday/ Clear/ E-01/ LE

File Name: 25-038-001 PM

Site Code : 25038001 Start Date : 6/5/2025

| | | Grou | ıps Printe | ed- Passer | nger and | 2 Axle Ve | ehicles - Bu | uses and | Heavy V | ehicles | | | |
|---------------------------------|------|----------|------------|------------|------------|-----------|--------------|------------|---------|---------|-----------|-------|------------|
| | Busi | ness DW | | | /alnut St. | | | titution A | | | alnut St. | | |
| | Sou | ithbound | i | W | estbound | | No | rthbound | | Ea | astbound | | |
| Start Time | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Left | Thru | Right | Int. Total |
| 04:00 PM | 0 | 0 | 0 | 21 | 78 | 3 | 65 | 0 | 26 | 0 | 53 | 46 | 292 |
| 04:15 PM | 0 | 0 | 0 | 24 | 66 | 0 | 61 | 3 | 28 | 0 | 60 | 56 | 298 |
| 04:30 PM | 0 | 0 | 0 | 21 | 76 | 2 | 64 | 0 | 36 | 0 | 68 | 51 | 318 |
| 04:45 PM | 0 | 0 | 0 | 24 | 76 | 0 | 58 | 6 | 28 | ō | 61 | 58 | 311 |
| Total | 0 | 0 | 0 | 90 | 296 | 5 | 248 | 9 | 118 | 0 | 242 | 211 | 1219 |
| | | | | | | • | | | | | | | , |
| 05:00 PM | 0 | 0 | 0 | 21 | 83 | 1 | 77 | 0 | 29 | 0 | 49 | 54 | 314 |
| 05:15 PM | 0 | 0 | 0 | 25 | 81 | 0 | 59 | 0 | 31 | 0 | 51 | 59 | 306 |
| 05:30 PM | 0 | 0 | 0 | 30 | 91 | 0 | 75 | 0 | 33 | 0 | 56 | 44 | 329 |
| 05:45 PM | 0 | 0 | 0 | 26 | 78 | 3 | 67 | 0 | 27 | Ō | 44 | 45 | 290 |
| Total | 0 | 0 | 0 | 102 | 333 | 4 | 278 | 0 | 120 | 0 | 200 | 202 | 1239 |
| | | | | | | • | | | ' | | | , | |
| Grand Total | 0 | 0 | 0 | 192 | 629 | 9 | 526 | 9 | 238 | 0 | 442 | 413 | 2458 |
| Apprch % | 0 | 0 | 0 | 23.1 | 75.8 | 1.1 | 68 | 1.2 | 30.8 | 0 | 51.7 | 48.3 | |
| Total % | 0 | 0 | 0 | 7.8 | 25.6 | 0.4 | 21.4 | 0.4 | 9.7 | 0 | 18 | 16.8 | |
| Passenger and 2 Axle Vehicles | 0 | 0 | 0 | 192 | 628 | 9 | 526 | 9 | 238 | 0 | 442 | 412 | 2456 |
| % Passenger and 2 Axle Vehicles | 0 | 0 | 0 | 100 | 99.8 | 100 | 100 | 100 | 100 | 0 | 100 | 99.8 | 99.9 |
| Buses and Heavy Vehicles | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| % Buses and Heavy Vehicles | 0 | 0 | 0 | 0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.1 |

| | | | ess DV | 1 | | Wal | nut St. | | (| Constitu | ution Av | e. | | Wali | nut St. | | |
|----------------------------|----------|---------|---------------|------------|---------|---------|---------|------------|------|----------|----------|------------|------|------|---------|------------|------------|
| | | | <u>ıbound</u> | | | | bound | ,, | | Norti | bound | | | East | bound | | |
| Start Time | Left. | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Left | Thru | Right | App. Total | Int. Total |
| Peak Hour And | alysis F | rom 04: | 00 PM | to 05:45 | PM - P | eak 1 d | of 1 | | | | _ | | | | | | |
| Peak Hour for | Entire I | ntersec | tion Be | gins at 0 | 4:45 PN | 1 | | | | | | | | | | | |
| 04:45 PM | 0 | 0 | 0 | 0 | 24 | 76 | 0 | 100 | 58 | 6 | 28 | 92 | 0 | 61 | 58 | 119 | 311 |
| 05:00 PM | 0 | 0 | 0 | 0 | 21 | 83 | 1 | 105 | 77 | 0 | 29 | 106 | 0 | 49 | 54 | 103 | 314 |
| 05:15 PM | 0 | 0 | 0 | 0 | 25 | 81 | 0 | 106 | 59 | 0 | 31 | 90 | 0 | 51 | 59 | 110 | 306 |
| 05:30 PM | 0 | . 0 | 0 | 0 | 30 | 91 | 0 | 121 | 75 | 0 | 33 | 108 | 0 | 56 | 44 | 100 | 329 |
| Total Volume | 0 | 0 | 0 | 0 | 100 | 331 | 1 | 432 | 269 | 6 | 121 | 396 | 0 | 217 | 215 | 432 | 1260 |
| % App. Total | 0 | 0 | 0 | | 23.1 | 76.6 | 0.2 | | 67.9 | 1.5 | 30.6 | | 0 | 50.2 | 49.8 | | |
| PHF | .000 | .000 | .000 | .000 | 833 | .909 | .250 | .893 | .873 | .250 | .917 | .917 | .000 | .889 | .911 | .908 | .957 |
| Passenger and 2 Axla | 0 | 0 | 0 | a | 100 | 330 | - 1 | 431 | 269 | 6 | 121 | 396 | 0 | 217 | 214 | 431 | 1258 |
| Vehicles | Ü | Ů | · | J | 100 | 000 | • | 701 | 2.00 | U | 121 | 390 | U | 211 | 214 | 431 | 1230 |
| % Passenger and 2 Axla | 0 | 0 | 0 | 0 | 100 | 99.7 | 100 | 99.8 | 100 | 100 | 100 | 100 | 0 | 100 | 99.5 | 99.8 | 99.8 |
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| Buses and Heavy Vehicles | 0 | 0 | 0 | 0 | Ü | 7 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 |
| % Buses and Heavy Vehicles | 0 | 0 | 0 | 0 | 0 | 0.3 | 0 | 0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0.5 | 0,2 | 0.2 |

APPENDIX C Level of Service Delay Thresholds

Level of Service Criteria

Level of Service at intersections is defined in terms of DELAY. Delay is a measure of driver discomfort, frustration, and lost travel time, thus the rating of delay from highly acceptable LOS A to unacceptable LOS F.

At traffic signals, delay is a complex measure and is dependent on a number of variables including signal progression, the cycle length, the green-time ratio, clearance times, trucks, pedestrians, parking, and signal phasing.

At unsignalized intersections, delay is dependent on the available gaps in the two-way flow of the uninterrupted traffic movement, intersection width, and queuing.

Intersection LOS

| | <u>Signalized</u> | <u>Unsignalized</u> |
|--------------|---------------------------|---------------------------|
| LOS A | Less than 10.0 sec/veh | Less than 10.0 sec/veh |
| В | 10.0 to 20.0 sec/veh | 10.0 to 15.0 sec/veh |
| \mathbf{C} | 20.0 to 35.0 sec/veh | 15.0 to 25.0 sec/veh |
| D | 35.0 to 55.0 sec/veh | 25.0 to 35.0 sec/veh |
| E | 55.0 to 80.0 sec/veh | 35.0 to 50.0 sec/veh |
| ${f F}$ | Greater than 80.0 sec/veh | Greater than 50.0 sec/yeh |

LEVEL OF SERVICE FOR SIGNALIZED INTERSECTIONS

Level of service for signalized intersections is defined in terms of delay. Delay is a measure of driver discomfort, frustration, fuel consumption, and lost travel time.

- LEVEL-OF-SERVICE A describes operations with very low delay, i.e., less than 10.0 sec per vehicle. This occurs when progression is extremely favorable, and most vehicles arrive during the green phase. Most vehicles do not stop at all. Short cycle lengths may also contribute to low delay.
- LEVEL-OF-SERVICE B describes operations with delay in the range of 10.0 to 20.0 sec per vehicle. This generally occurs with good progression and/or short cycle lengths. More vehicles stop than for LOS A, causing higher levels of average delay.
- LEVEL-OF-SERVICE C describes operations with delay in the range of 20.0 to 35.0 sec per vehicle. These higher delays may result from fair progression and/or longer cycle lengths. Individual cycle failures may begin to appear in this level. The number of vehicles stopping is significant at this level, although many still pass through the intersection without stopping.
- LEVEL-OF-SERVICE D describes operations with delay in the range of 35.0 to 55.0 sec per vehicle. At level D, the influence of congestion becomes more noticeable. Longer delays may result from some combination of unfavorable progression, long cycle lengths, or high v/c ratios. Many vehicles stop, and the proportion of vehicles not stopping declines. Individual cycle failures are noticeable.
- LEVEL-OF-SERVICE E describes operations with delay in the range of 55.0 to 80.0 sec per vehicle. This is considered to be the limit of acceptable delay. These high delay values generally indicate poor progression, long cycle lengths, and high v/c ratios. Individual cycle failures are frequent occurrences.
- LEVEL-OF-SERVICE F describes operations with delay in excess of 80.0 sec per vehicle. This is considered to be unacceptable to most drivers. This condition often occurs with over saturation, i.e., when arrival flow rates exceed the capacity of the intersection. It may also occur at high v/c ratios below 1.00 with many individual cycle failures. Poor progression and long cycle lengths may also be major contributing causes to such delay levels.

APPENDIX D

Existing Capacity/LOS Analysis Worksheets

| | | HC | S Sia | nalize | ed In | ters | seci | tion F | | rilte | s Sm | mmai | ····· | | | | |
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| Adjusted Saturat | tion Flo | w Rate (s), veh/h/li | n | | 172 | 8 | | | 1362 | 150 | 08 | 1750 | 1837 | 1619 | 1714 | 1792 | |
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| Capacity(c), ve | eh/h | | | | 454 | ı İ | | | 383 | 35 | 53 | 735 | 811 | 715 | 803 | 1001 | |
| Volume-to-Capa | city Rat | io (<i>X</i>) | | | 0.05 | 7 | | | 0.29 | 0.4 | 06 | 0.006 | 0.296 | 0.133 | 0.198 | 0.171 | |
| Back of Queue (| Q), ft/ | In (95 th percentile) |) | | 25 | | | | 119 | 15 | 54 | 2 | 176 | 64 | 60 | 90 | |
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| Timer Results | | | | EB | | F | BT | . WE | λi I | ١٨ | VBT | NB | ı I | NBT | SB | ı | SBT |
| Assigned Phase | | | | | _ | | 4 | 771 | - | | 8 | 5 | | 2 | 1 | | 6 |
| Case Number | | | | | | announce and the same | 3.0 | | | commence of the | 7.0 | 1.1 | | 3.0 | 1.1 | | 4.0 |
| Phase Duration | , s | THE WHILE WAY SHOWN THE WAY TO SHOW THE WAY TO SHOW THE WAY TO SHOW THE WAY TO SHOW THE WAY TO SHOW THE WAY TO SHOW THE WAY TO SHOW THE WAY TH | , in , in , in , in , in , in , in , in | | | 26 | 3.0 | | en america (a | 20 | 6.0 | 13. | 0 | 33.0 | 26. | 0 | 46.0 |
| Change Period, | (Y+R | ;), s | | | | 6 | 5.0 | | | 6 | 3.0 | 6.0 | | 6.0 | 6.0 |) | 6.0 |
| Max Allow Head | dway (N | <i>MAH</i>), s | | | | 3 | .6 | | | 3 | 3.6 | 3.1 | | 3.1 | 3.1 | | 3.1 |
| Queue Clearan | ce Time | (gs),s | | | | 3 | .4 | | | 23 | 3.5 | 2.6 | | 8.6 | 5.8 | | 6.9 |
| Green Extensio | n Time (| (ge), s | | | | 0 | .5 | | | 0 | 0.0 | 0.0 | | 0.7 | 0.2 | | 8.0 |
| Phase Call Prob | | | | | | 1. | 00 | | | 1. | .00 | 1.00 |) | 1.00 | 1.00 |) | 1.00 |
| Max Out Probat | oility | | | | | 0. | 00 | | | 1. | .00 | 0.0 | 3 | 0.00 | 0.00 |) | 0.00 |
| Movement Gro | Doo | ulto | | | | | | 1 | ١٨. | D | | | ND | | lı . | 0.0 | |
| Approach Move | /=101/W/10)/W109/10/W10//W | MITS | | L | EB T | hariother desir | R | ı | W | - | | | NB F | 1 - | | SB I = | |
| Assigned Move | | | | 7 | 4 | - | 14 | L. 3 | T 8 | | R 10 | L | T | 12 | L L | T | R |
| Adjusted Flow F | MC+m+th+th/thentistater+khrhr/hr | \ veb/h | *************************************** | | 23 | | 14 | 3 | 91 | omining war | 18 141 | 5 4 | 2 177 | 88 | 1 152 | 6 163 | 16 |
| | | w Rate (s), veh/h/lr | n | | 1797 | , | | | 135 | | 1508 | 1750 | 1837 | 1619 | 1714 | 1782 | _ |
| Queue Service | | | . L Vitalistati Carolemana | | 0.0 | water the same | | | 3.8 | | 6.6 | 0.1 | 6.1 | 3.3 | 3.3 | 4.4 | |
| Cycle Queue Cl | | | | | 0.9 | | | | 4.6 | | 6.6 | 0.1 | 6.1 | 3.3 | 3.3 | 4.4 | |
| Green Ratio (g/ | Charles of the second second | | | | 0.25 | CHESTE PARTY | | | 0.2 | | 0.25 | 0.42 | 0.33 | 0.33 | 0.61 | 0.48 | |
| Capacity (c), v | eh/h | A CONTRACTOR OF THE CONTRACTOR | | | 498 | | | | 419 | 9 | 373 | 652 | 605 | 533 | 824 | 859 | |
| Volume-to-Capa | icity Rat | lio(X) | | | 0.04 | 6 | | | 0.21 | 18 0 | 0.379 | 0.007 | 0.293 | 0.165 | 0.185 | 0.190 | |
| | | ⁽ In (95 th percentile) | | | 16 | | | | 69 | | 110 | 2 | 113 | 54 | 47 | 75 | |
| | | h/ln (95 th percentil | | ************** | 0.7 | | | | 2.8 | 3 | 4.4 | 0.1 | 4.5 | 2.1 | 1.9 | 3.0 | |
| NAME OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OF THE OWNER OWNER. | CONTRACTOR OF THE PROPERTY OF | RQ) (95 th percenti | le) | | 0.00 | | | | 0.0 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Uniform Delay (| unione de la company de la com | | | | 24.4 | | | | 25. | | 26.6 | 14.2 | 21.5 | 20.2 | 7,7 | 12.5 | |
| Incremental Del | DATE OF THE PARTY | | | | 0.0 | - - | | | 0.1 | | 0.2 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | 500 |
| Initial Queue De Control Delay (| TT THE OWNER OF THE OWNER OWNER OF THE OWNER OWN | CONTRACTOR OF THE PROPERTY OF | | | 0.0 24.4 | | STEE SECTION | | 0.0 25. | | 0,0 26.8 | 0.0 14.2 | 0.0 21.6 | 0.0 20.3 | 0.0 | 0.0 | |
| Level of Service | *********************** | | | | C | | | | C | 9 4 | 20.0 C | 14.∠ B | 21.0 C | 20.3 C | 7.8 A | 12.6 B | |
| Approach Delay | | LOS | | 24.4 | | | | 26.5 | | | <u>8</u> | 21.0 | | C | 10.3 | I | В |
| Intersection Dela | | The state of the s | | | | - | 18 | | | | - | _, | | | ј 10.6 В | | 2 |
| | | | | | | | | | * | | i) | | | | | | |
| Multimodal Res | sults | | | OF 76 | EB | | | A | WE | 3 | | | NB | | | SB | |
| Pedestrian LOS | Score / | LOS | | 2.17 | | E | 3 | 1.93 | 3 | E | 3 | 1.97 | | В | 1.67 | , | В |
| Bicycle LOS Sco | ore / LO | S | | 0.53 | | P | ١ | 0.87 | · | Α | 4 | 0.93 | | Α | 1.01 | | Α |

| | | HC | S Sig | nalize | d In | ter | sect | tion F | Resi | ults | Sur | nmar | v | | | | | |
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| General Inform | nation | | | | | | | | | Int | tersed | ction In | forma | tion | | Ι. | 1474 | Į Į Į |
| Agency | | Horner & Canter As | SSOC | To Trombelly Ohlma'r | | 11.002 | | | | Du | ıratior | ı, h | 0.2 | 50 | | | * | |
| Analyst | | DHH | | Analy | sis Da | te . | Jul 7, | 2025 | | Are | еа Ту | pe | Oth | er | | 4 | | Ž |
| Jurisdiction | | Perkasie Borough | *************************************** | Time | Period | / | AM P | eak Ho | ur | PH | | | 0.9 | 0 | | 3 | w.le | ÷ . |
| Urban Street | LOTE MATERIAL STREET | | | Analy | sis Ye | ar I | Existi | ng | | An | alysis | Period | 1> | 7:00 | atindal menistra en | | | ī |
| Intersection | | Constitution Ave/W | alnut | File N | ame | 1 | Const | titution , | Ave_' | Waln | ut Str | eet_ea | .xus | | *** | | ካ t | - <u></u> - |
| Project Descrip | tion | 25-038 Perkasie Pl | ace | | | | | | | | | | | | | | ት ት ታላያ | ሲት የ |
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| Demand Inform | oog market on the same of the | | | <u> </u> | EE | } | | | , V | ٧B | | | N | В | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | SB | |
| Approach Move | | | | L | T | _ | R | L | | T | R | L. | | | R | L | T | R |
| Demand (v), v | eh/h | | | 1 | 204 | 1 | 143 | 58 | 1 | 61 | 1 | 104 | ł C |) | 49 | 0 | 0 | 0 |
| Signal Informa | 41 | () () () () () () () () () () | | 1 | 1 111 | | | | | | | _,_ | | | 1 | | | |
| | 86.0 | Reference Phase | Γ 2 | | W | ١. | 5 | . | 211 | | | | | | | . | J | 7 |
| Cycle, s Offset, s | 00.0 | Reference Point | 2 | | | Y" | \$Ee | | r. | | | | | 2 | 1 | Y | 3 | - |
| Uncoordinated | Yes | Simult. Gap E/W | End | Green | | | 7.0 | 35.0 | 0. | | 0.0 | 0.0 | | | | | | K |
| Force Mode | Fixed | Simult. Gap E/VV | On On | Yellow Red | / 4.0 3.0 | | 4.0 3.0 | 4.0 | 0. | | 0.0 | 0.0 | | | 1 | Y | | Y |
| Force Wode | rixeu | Simult. Gap N/S | Un | Red | 13.0 | <u> </u> | 3.0 | 3.0 | 0. | U | 0.0 | 0.0 | | | 5 | 6 | 7 | 8 |
| Timer Results | | | | EBI | 1 | EE | эт | WB | , I | ۱۸/ | /BT | l vid | , , | VID. | - H | CD. | | CDT |
| Assigned Phase | | | | EBI | | 4 | | 3 | <u>'</u> | | /DI 8 | NB | <u> </u> | NB [*] | 1 1 | SB | | SBT |
| Case Number | ·- | | | | | 8.3 | | 1.0 | | | .0 | | | 6.0 | ave | | | 6 |
| Phase Duration | e | | | | | 42. | | 14.0 | | CONTRACTOR OF STREET | .0 3.0 | | | THE PERSON NAMED IN COLUMN | and the same of th | are a second designation of the second | | 8.0 |
| Change Period, | | .) e | | | | 7.0 | | 7.0 | | · | .0 | | | 30.0 7.0 | | | | 30.0 |
| Max Allow Head | | | | | | 3.2 | | 3.1 | · | 3. | | | | 3.1 | | | | 7.0 |
| Queue Clearand | | | | | | 14. | | 4,2 | | 6. | | | | 26.5 | - 1 | | | 0.0 |
| Green Extensio | TOTAL PROPERTY AND AND AND ADDRESS OF THE ADDRESS O | | www.folkohanasanayo | | | 1.(| - | 0.0 | | 1. | ************************************** | | | 0.0 | euxareans 🏭 | | | 0.0 |
| Phase Call Prob | Well but the block of the second | (ye), 3 | | | | 1.0 | · | 1.00 | | 1.(| | | | 1.00 | | | | 0.0 |
| Max Out Probat | | | | | | 0.0 | | 1.00 | | 0,0 | | | | 1.00 | | | | |
| | , | | | | | 0.0 | , | 1.00 | | 0.0 | | | | 1.00 | <u></u> | | | |
| Movement Gro | up Res | ults | | | EB | | | | WI | 3 | | | NB | | | *** | SB | |
| Approach Move | ment | | | L. | T | *************************************** | R | L. | Т | | R | L | Т | F | ۲ . | L | T | R |
| Assigned Move | ment | | | 7 | 4 | | 14 | 3 | 8 | | 18 | 5 | 2 | 1: | | 1 | 6 | 16 |
| Adjusted Flow F | Rate (<i>v</i>) |), veh/h | | | 348 | *************************************** | | 64 | 180 |) | | 116 | 54 | NOTE OF THE OWNER. | | Crypechan a region | 0 | |
| Adjusted Satura | tion Flo | w Rate (s), veh/h/lr | า | | 1789 | | A VALUE OF THE PARTY OF THE PAR | 1587 | 186 | 4 | | 1607 | 1483 | | | *** | 1650 | |
| Queue Service | Time (g | 's), S | | | 0.0 | | | 1.7 | 3.8 | 3 | | 4.8 | 2.4 | | | *** | 0.0 | |
| Cycle Queue Cl | earance | Time (<i>g o</i>), s | | | 12.1 | | | 1.7 | 3.8 | | | 4.8 | 2.4 | 1 | | | 0.0 | |
| Green Ratio (g/ | で) | | | | 0.42 | | | 0.54 | 0.5 | 3 | *************************************** | 0.28 | 0.28 | | | | 0.37 | |
| Capacity (c), ve | eh/h | | | | 791 | | | 502 | 108 | 4 | | 532 | 414 | | | | ***** | |
| Volume-to-Capa | city Rat | io (<i>X</i>) | | | 0.440 | | | 0.128 | 0.16 | 6 | | 0.217 | 0.132 | 2 | | | 0.000 | |
| Back of Queue (| (Q), ft/ | ln (95 th percentile) |) | NAV-h- | 222 | | | 26 | 64 | | | 85 | 38 | | | | 0 | |
| Back of Queue (| (Q), ve | h/ln (95 th percentil | e) | | 8.5 | | | 1.0 | 2.5 | | | 3.2 | 1.4 | | | | 0.0 | |
| PP TO THE RESIDENCE OF THE PROPERTY OF THE PRO | ************ | RQ) (95 th percenti | le) | | 0.00 | | | 0.00 | 0.00 | | | 0.00 | 0.00 | | | | 0.00 | |
| Uniform Delay (| | The state of the s | | | 18.0 | | | 10.8 | 8.3 | | | 24.1 | 23.2 | | | | | |
| Incremental Dela | **** | | | | 0.1 | | | 0.0 | 0.0 | | | 0.1 | 0.1 | | | | 0.0 | |
| Initial Queue De | PROCESSOR STATE OF THE PARTY OF | | | | 0.0 | | | 0.0 | 0.0 | | | 0.0 | 0.0 | | | | 0.0 | |
| Control Delay (| Weight Williams | h | | | 18.2 | | | 10.8 | 8.4 | | | 24.2 | 23.3 | | | | × | |
| Level of Service | | | | | В | <u> </u> | | В | Α | | | С | С | | | | | |
| Approach Delay, | ****** | | | 18.2 | | В | | 9.0 | | Α | \ | 23.9 | | С | | 0.0 | | |
| Intersection Dela | ay, s/veh | ı/LOS | | | | - Allegan de la compansión de la compans | 16. | .5 | | | | THE REPORT OF THE PARTY OF THE | MARCON MARCON | | В | | TOWNS CO. | |
| | | | | | | | | | | | | | | | - | | | |
| Multimodal Res | | | | | EB | | | No. | WE | COMPANIES CONTRACTOR OF THE PARTY OF THE PAR | | | NB | · · · · · · · · · · · · · · · · · · · | | | SB | |
| Pedestrian LOS | Services and Miles and States | | | 1.91 | | В | | 1.66 | | В | | 1.92 | | В | | 1.75 | | В |
| Bicycle LOS Sco | ore / LOS | S | | 1.06 | | Α | | 0.89 | L | Α | | 0.77 | | Α | | 0.49 | | Α |

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|--|--|--|---|---------------|-------------------------|--|-------------|-------------------|-------|--------------|------------------------------------|--|--|--------------|---------------|--|
| | | | | | | | | | | | | | | | | |
| General Inforr | nation | | | | WW. | | | | | Interse | ction In | forma | tion | | 7 A J. 4 | |
| Agency | | Horner & Canter As | ssoc | | | | | | | Duratio | n, h | 0.28 | 50 | | • | |
| Analyst | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | DHH | | Analy | sis Da | te Jul | 7, 20 | 025 | | Area Ty | /ре | Oth | er | A. | 7.1 | 1 |
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| Urban Street | | | | Analy | sis Ye | ar Exi | sting | | | Analysi | s Perioc | 1 1> 7 | 7:00 | <u> </u> | | 7 |
| Intersection | | Constitution Ave/W | | File N | ame | Cor | nstitu | ıtion A | \ve_W | alnut St | reet_ep | .xus | | | ٦. | |
| Project Descrip | otion | 25-038 Perkasie Pl | ace | | | | neservaness | n kosso nasu sa | | 200-200-520 | AXXX | | No. (A) Anno and a superior and a su | | <u>ነ</u> ዛ ተቀ | የት/ |
| D | | | | 1 | | | | | | | | | | | | |
| Demand Infor | | | | | EB | ······································ | | Alfahida en mario | WI | | | NI | | | SE | - Commonwealth and the second |
| Approach Move | | | mornistania anni | L | T | F | | L | T | R | | <u> </u> | | L | T | R |
| Demand (v), v | /eh/h | | |] 1 | 217 | 7 21 | 5 | 100 | 33 | 1 1 | 269 | 6 | 121 | 0 | 0 |] 0 |
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| Cycle, s | 93.0 | Reference Phase | 2 | | W | - 1 | | . A . | 710 | | - 1 | | | x1a | <i></i> | . |
| Offset, s | 0 | Reference Point | End | | F3.1 | | н. | = 4 | | | | | 1 | 2 | | ₹ 4 |
| Uncoordinated | Yes | Simult. Gap E/W | On | Green | | | | 39.0 | 0.0 | 0.0 | | | | | | حد ا |
| Force Mode | Fixed | Simult. Gap L/W | On | Yellow Red | 3.0 | 4.0 3.0 | | 4.0 3.0 | 0.0 | 0.0 | THE RESERVE OF THE PERSON NAMED IN | | , K | 1 | | Y |
| 1 Orec Wede | Tixed | Official, Cap N/S | Oil | Ineu | 13.0 | [3.0 | | 3.0 | 10.0 | 0.0 | 10.0 | | 9 | ь | | 8 |
| Timer Results | | | | EBL | T | EBT | 11 | WBI | | WBT | l NE | ı İ | NBT | SE | oi [| SBT |
| Assigned Phase | e | | | 1-171 | - - | 4 | - | 3 | | 8 | I IVE | <u>'- </u> | 2 | ال ا | <u>'</u> | 6 |
| Case Number | | | | | <u> </u> | 8.3 | | 1.0 | | 4.0 | | | 6.0 | | | 8.0 |
| Phase Duration | 9 | | | | | 46.0 | | 21.0 | | 67.0 | | The second second | 26.0 | | | 26.0 |
| Change Period, | | c) s | | | | 7.0 | | 7.0 | _ | 7.0 | | | 7.0 | | | 7.0 |
| Max Allow Head | | | | | | 3.2 | | 3.1 | | 3.2 | | | 3.1 | | | 0.0 |
| Queue Clearan | - | | | | | 17.3 | _ | 4.7 | | 9.6 | | | 16.8 | | | 0.0 |
| Green Extensio | CONTRACTOR AND AND AND AND AND AND AND AND AND AND | Heliconsistence of the contract of the contrac | | | OTTO PERSONAL PROPERTY. | 1.5 | | 0.1 | | 1.6 | | | 0.2 | 30 | | 0.0 |
| Phase Call Prof | ZANDALIZA DE PARA DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA CONTRACTOR DE LA C | (3-/,- | | | | 1.00 | | 1.00 | | 1.00 | | | 1.00 | | | 0.0 |
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| 0.01 | | | | | , | | | | | | .11 | | | | | |
| Movement Gro | up Res | ults | | | EB | | | | WB | | | NB | | | SB | |
| Approach Move | ment | | | L | Т | R | | L | T | R | L | Т | R | L. | İΤ | R |
| Assigned Move | | | | 7 | 4 | 14 | | 3 | 8 | 18 | 5 | 2 | 12 | 1 | 6 | 16 |
| Adjusted Flow F | Rate (v |), veh/h | | | 399 | | | 104 | 346 | | 280 | 132 | | | 0 | |
| ************************************** | | w Rate (s), veh/h/li | า | | 1830 | | 1 | 750 | 1910 | | 1714 | 1593 | | | 0 | |
| Queue Service | | | | | 0.0 | | 1 | 2.2 | 7.1 | | 14.3 | 6.6 | | | 0.0 | |
| Cycle Queue Cl | The state of the s | Fime (g_c) , s | | | 14.8 | | | 2.2 | 7.1 | | 14.3 | 6.6 | | | 0.0 | |
| Green Ratio (g/ | *2250014-00-1 | | | | 0,43 | | 0 |).62 | 0.66 | | 0.22 | 0.22 | | | | |
| Capacity (c), v | ///////////////////////////////////// | | | | 826 | | oce Gramm | 337 | 1253 | | 446 | 343 | | | | |
| Volume-to-Capa | | | | | 0.483 | | | | 0.276 | | 0.628 | 0.386 | <u> </u> | | 0.000 | |
| The state of the s | | /In (95 th percentile) | THE RESERVE OF THE PERSON NAMED IN COLUMN 1 | | 258 | | | 34 | 110 | | 251 | 112 | | | 0 | |
| | ************** | h/ln (95 th percentil | | | 10.3 | | | 1.3 | 4.4 | | 10.0 | 4.5 | | | 0.0 | |
| | SANTON AND DESCRIPTION OF THE PARTY AND DESCR | RQ) (95 th percenti | le) | | 0.00 | | | 0.00 | 0.00 | | 0.00 | 0.00 | | | 0.00 | |
| Uniform Delay (| | | | | 19.3 | ļ | | 9.0 | 6.7 | | 34.2 | 31.2 | ļ | | ļ | <u> </u> |
| Incremental Del | | | | | 0.2 | <u> </u> | | 0.0 | 0.0 | | 2.1 | 0.3 | | | 0.0 | |
| Initial Queue De | | CONTRACTOR OF THE PROPERTY OF | | | 0.0 | No. of the Contract of the Con | | 0.0 | 0.0 | Constitution | 0.0 | 0.0 | | | 0.0 | |
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| Approach Delay | | /I OS | | 19.5 | B | <u>L</u> | | A | A | I | D 24 0 | C | | | <u> </u> | |
| Intersection Delay | THE PROPERTY OF THE PARTY OF TH | | | 19.0 | | В | 20.1 | 7.3 | | A | 34.8 | <u> </u> | С | 0.0 | <u> </u> | TO THE STATE OF TH |
| THE ISSURED DO | ay, arver | 1, LUU | | | | 4 | .U. I | | 4-16 | | | | | С | | |
| Multimodal Res | sults | | | | EB | | T | | WB | | | NB | | | SB | |
| Pedestrian LOS | | LOS | | 1.91 | 1 | В | - | 1.64 | 1 | В | 1.93 | *************************************** | В | 1.78 | | В |
| Bicycle LOS Sco | The second secon | | | 1.15 | | A | er greenwa | 1.23 | | A | 1.17 | | A | 0.49 | | A |
| , | | | | | L | | . 14 | | | • • | y' | | | 9.7 | | |

| | | НС | S Sig | nalize | ed In | ters | sec | tion F | Resu | ılts | Sur | nmar | ν | | | | |
|--|--|--|--|--|--|------------------------|--------------------------|--|------------|---|----------|----------|--|--|---|---------------|---|
| | | | = # | | | | | | 2 4 | | | | | | | - 4 - 5 - 6 · | |
| General Inform | nation | | | The Season States | | | | | | Int | ersec | tion In | format | ion | | 7474 | AND. |
| Agency | | Horner & Canter A | ssoc | | | | | | | Du | ration | ı, h | 0.25 | 0 | | * | |
| Analyst | | DHH | | Analy | sis Da | ate J | Jul 7, | 2025 | | Are | еа Тур | ое | Othe | r | Ĭ | | ž |
| Jurisdiction | | Perkasie Borough | | Time | Period | d S | SAT | Peak Ho | our | PH | ΙF | | 0.92 | | <u> </u> | wļ | |
| Urban Street | | | ACCOUNT OF THE PARTY OF THE PAR | Analy | sis Ye | ar E | Existi | ng | | An | alysis | Period | 1> 7 | :00 | 3 | | 7 |
| Intersection | | Constitution Ave/W | /alnut | File N | lame | C | Cons | titution / | Ave_\ | /Valn | ut Str | eet_es. | xus | ** di | | ጘ | , |
| Project Descrip | tion | 25-038 Perkasie Pl | ace | | | | | | | | | | | | | ጎ ተተተ | YPC |
| | | Me Table | | u . | | | | | | | | | | | | | |
| Demand Inform | | | | | E | Marian de la Company | | | WY 15 4 4 | VB | | | NE | | | SE | |
| Approach Move | | | | <u>L</u> | T | | R | L | | T | R | <u>L</u> | <u> </u> | R | L | T | R |
| Demand (v), v | /eh/h | | | 1 | 20 | 9 | 222 | 116 | 1 1 | 98 | 1 | 204 | 0 | 119 | 0 | 0 | 0 |
| Signal Informa | ition | | | | | | F | | | | 1 | -1- | | T | | | |
| Cycle, s | 86.0 | Reference Phase | 2 | | W | | (S) | | | | | | | | кîх | / | - , |
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| Uncoordinated | Yes | Simult. Gap E/W | On | Greer | | | 7.0 | 35.0 | | | 0.0 | 0.0 | | | | | |
| Force Mode | Fixed | Simult. Gap N/S | On | Yellov Red | 3.0 | | 4.0 3.0 | 4.0 3.0 | 0. 0. | PARKS DESIGNATION OF THE PARKS | 0.0 | 0.0 | | K X | , 2 | | ' |
| i cico mede | ixea | Communa Cap 1470 | (Oil | <u>irca</u> | 10.0 | 1. | 5.0 | 10.0 | 10. | U | 10.0 | 10.0 | 332233 | | - 9 | | <u> </u> |
| Timer Results | | | | EB | | EB | }T | WB | 1 | \// | BT | NB | i T | NBT | SE | i T | SBT |
| Assigned Phase | 9 | | | | - | 4 | | 3 | - | 8 | | 1112 | _ | 2 | | /L. | 6 |
| Case Number | · · · · · · · · · · · · · · · · · · · | | | | | 8.3 | • | 1.0 | | 4. | | | | 6.0 | | | 8.0 |
| Phase Duration | , S | anni programa na santan 1860 ili 1861 ili 1861 ili 1861 ili 1861 ili 1861 ili 1861 ili 1861 ili 1861 ili 1861 ili | POPULATION DE LA CONTRACTION DEL CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE LA CONTRACTION DE | OT COLUMN TO SERVICE STREET, S | *************************************** | 42. | ************ | 14.0 | mananan ba | 56 | | | | 30.0 | | | 30.0 |
| Change Period, | | e), s | | | | 7.0 | | 7.0 | | 7. | | | | 7.0 | | | 7.0 |
| Max Allow Head | *************************************** | | | | | 3,2 | | 3.1 | | 3, | | | | 3.2 | | | 0.0 |
| Queue Clearan | | | | | | 17. | | 5.6 | | 7. | | | | 11.9 | | | 0.0 |
| Green Extensio | AND THE RESERVE AND THE RESERV | The state of the s | | *************************************** | iteratura de la Composito de l | 1.3 | CONTRACTOR OF THE PARTY. | 0.0 | | 1. | | | territoria | 0.5 | | | 0.0 |
| Phase Call Prob | | | | MIANUS CANADA CA | | 1.0 | | 1.00 | | 1.0 | | | | 1.00 | | | |
| Max Out Probat | oility | | | | *********** | 0.0 | 0 | 1.00 | | 0.0 | | | | 0.00 | | | |
| | | n | | | | | | | | | | 1 | | | | L | |
| Movement Gro | | ults | | | EB | | | NATIONAL DESIGNATION OF THE PARTY OF THE PAR | WE | 3 | | | NB | | | SB | |
| Approach Move | | | | L | Т | | R | L | Т | | R | L | T | R | L | T | R |
| Assigned Move | MCMCASCOCK Inches and the comment | and the second s | | 7 | 4 | Accessed to the second | 14 | 3 | 8 | annes de la companione de la companione de la companione de la companione de la companione de la companione de | 18 | 5 | 2 | 12 | 1 | 6 | 16 |
| Adjusted Flow F | *************************************** | | | *************** | 410 | | | 126 | 216 | | | 222 | 129 | | | 0 | |
| | nicitiation and a management | w Rate (៵), veh/h/li | n | *************************************** | 1813 | 3 | | 1709 | 186 | amana come o | | 1688 | 1544 | | | 0 | |
| Queue Service | resistant below the | | | | 0.0 | | | 3.1 | 4.7 | | | 9.4 | 5.7 | | | 0.0 | |
| Cycle Queue Cl | nya-ariperanarianina | Time (g_c) , s | | man () consideration of Assertation | 14.6 | - | | 3.1 | 4.7 | - | | 9.4 | 5.7 | 2 margani mang | | 0.0 | |
| Green Ratio (g/ | | | | | 0.42 | | | 0.54 | 0.58 | | | 0.28 | 0.28 | | | | |
| Capacity (c), ve | Vacantum III are sun any brail a finitial del 1915 | | er en en en en en en en en en en en en en | | 801 | | | 489 | 108 | | | 555 | 431 | | | | |
| Volume-to-Capa | | | | | 0.512 | | | 0.258 | 0.20 | 0 | | 0.400 | 0.300 | | | 0.000 |) |
| AND MAKE THE STREET AND ADDRESS OF THE STREET, THE STR | | /in (95 th percentile) | | | 254 | - | | 50 | 78 | IIEEEO) AMERO. | | 166 | 92 | | | 0 | CAN CASE TO AN AD THE COLUMN TWO IS NOT THE |
| distributed in an appropriate property of the | CILL TOXAL TOXAL MARKETY FOR FOR | h/ln (95 th percentil | | | 10.0 | *** | | 1.9 | 3.0 | | | 6.5 | 3.6 | | | 0.0 | |
| Company of the Compan | Triangle Company or Proceed concern | RQ) (95 th percenti | lie) | | 0.00 | | | 0.00 | 0.00 | ***************** | | 0.00 | 0.00 | *************************************** | | 0.00 | |
| Uniform Delay (| | | | | 18.8 | _ | | 11.7 | 8.5 | | | 25.7 | 24.4 | | | | |
| Incremental Dela | THE RESERVE AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE | | | | 0.2 | | | 0.1 | 0.0 | | | 0.2 | 0.1 | | | 0.0 | |
| Initial Queue De Control Delay (| CONTRACT CAMPACACACACACACACACACACACACACACACACACAC | | | | 0.0 19.0 | | | 0.0 | 0.0 | | | 0.0 | 0.0 | | *************************************** | 0.0 | |
| Level of Service | 200 B. P. World M. Marrier Co. | 11 | | | 19.0 B | - | | 11.8 | 8.6 | - | | 25.9 | 24.5 | | | | |
| Approach Delay | | 108 | | . 19.0 | | B | | В | A | <u> </u> | | C 25.4 | C | | | <u> </u> | 1 |
| Intersection Dela | | | | 19.0 | | D | 18 | 9.8 | | Α | | 25.4 | | С | 0.0 | | |
| intersection Dela | ay, ərvel | 17 LU3 | ļļ | | 100 | | ıσ | .4 | | | ! | | | | В | | |
| Multimodal Res | sults | | I | | EB | | Ä | | WB | | 1 | | NB | | | SB | |
| Pedestrian LOS | | LOS | | 1.91 | | В | | 1.66 | | В | | 1.92 | MANUSCON PROPERTY AND ADDRESS OF THE PARTY O | В | 1.77 | | В |
| Bicycle LOS Sco | The second secon | | | 1.16 | | A | | 1.05 | - | A | <u>-</u> | 1.07 | | A | 0.49 | | A |
| | | · | | | | | | | | | | | ··· J | | | | |

APPENDIX E Trip Generation Worksheets

Not Close to Rail Transit (220)

Vehicle Trip Ends vs: Dwelling Units

On a: Weekday

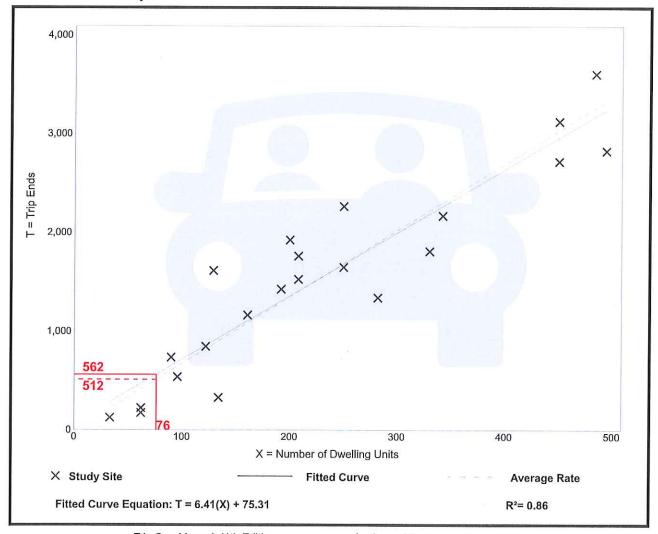
Setting/Location: General Urban/Suburban

Number of Studies: 22 Avg. Num. of Dwelling Units: 229

Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per Dwelling Unit

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 6.74 | 2.46 - 12.50 | 1.79 |



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.

Setting/Location: General Urban/Suburban

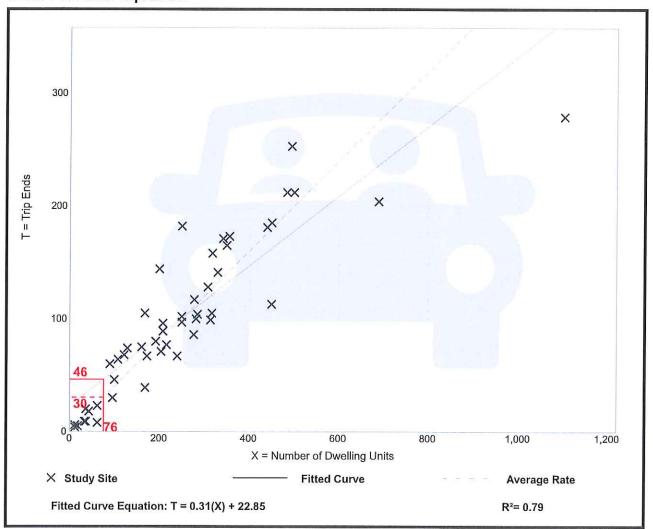
Number of Studies: 49

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 |



Not Close to Rail Transit (220)

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:

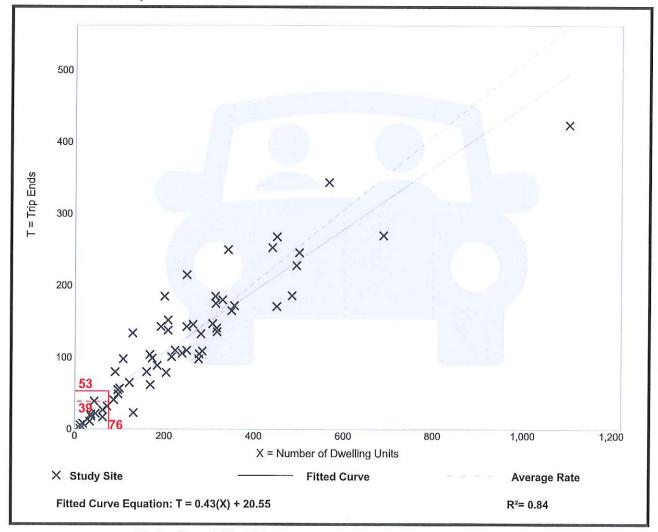
59 241

Avg. Num. of Dwelling Units: Directional Distribution:

63% entering, 37% exiting

Vehicle Trip Generation per Dwelling Unit

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| N 51 | 0.08 - 1.04 | 0.15 |



Not Close to Rail Transit (220)

Vehicle Trip Ends vs: Dwelling Units

Saturday, Peak Hour of Generator

Setting/Location: General Urban/Suburban

Number of Studies:

Avg. Num. of Dwelling Units: 282

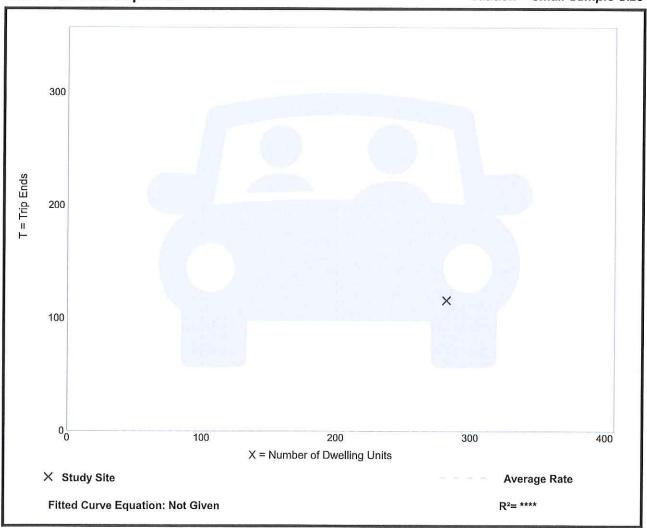
Directional Distribution: Not Available

Vehicle Trip Generation per Dwelling Unit

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 0.41 | 0.41 - 0.41 | * |

Data Plot and Equation

Caution - Small Sample Size



Strip Retail Plaza (<40k) (822)

Vehicle Trip Ends vs: 1000 Sq. Ft. GLA

On a: Weekday

Setting/Location: General Urban/Suburban

Number of Studies: Avg. 1000 Sq. Ft. GLA: 19

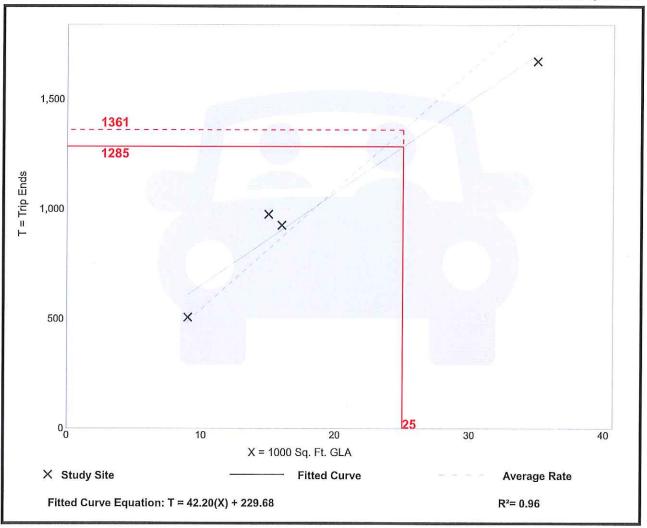
Directional Distribution: 50% entering, 50% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GLA

| Average Rate | Range of Rates | Standard Deviation |
|--------------|----------------|--------------------|
| 54.45 | 47.86 - 65.07 | 7.81 |

Data Plot and Equation

Caution - Small Sample Size



Strip Retail Plaza (<40k)

(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

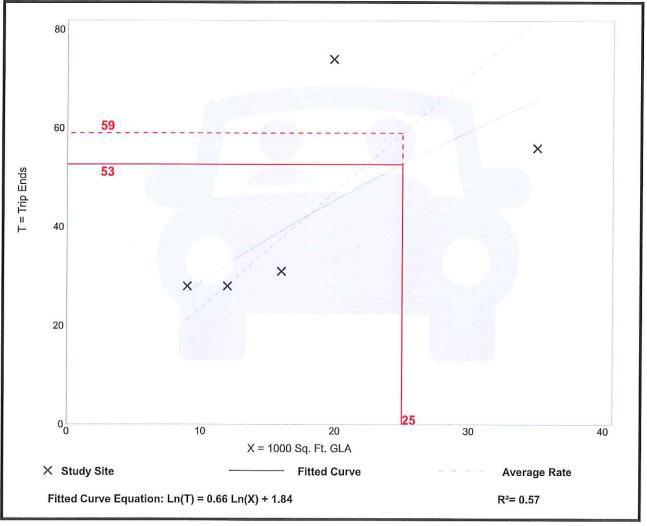
Directional Distribution: 60% entering, 40% exiting

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



Strip Retail Plaza (<40k)

(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

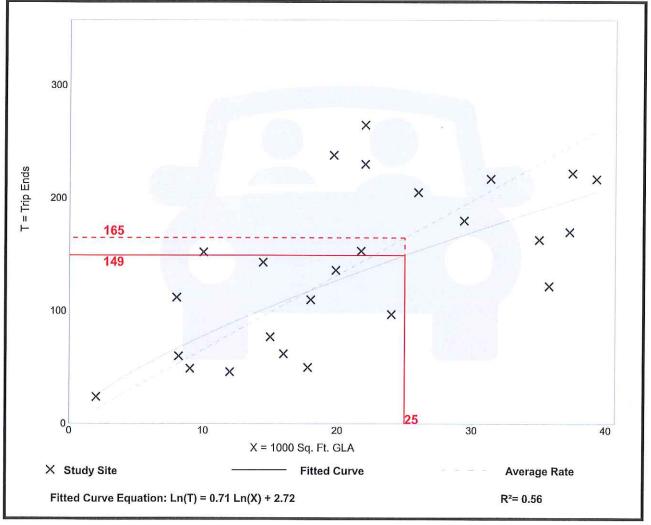
Number of Studies: 25

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 |



Strip Retail Plaza (<40k) (822)

Vehicle Trip Ends vs: 1000 Sq. Ft. GLA

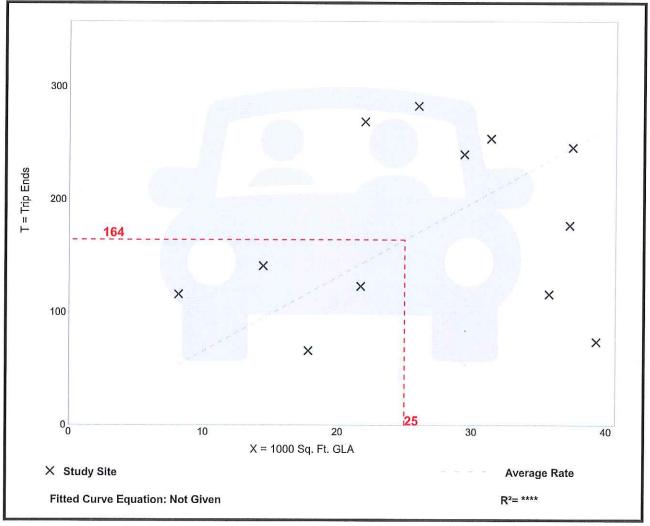
On a: Saturday, Peak Hour of Generator

Setting/Location: General Urban/Suburban

Number of Studies: Avg. 1000 Sq. Ft. GLA: 27

Directional Distribution: 51% entering, 49% exiting

Vehicle Trip Generation per 1000 Sq. Ft. GLA



APPENDIX F

No-Build Capacity/LOS Analysis Worksheets

| | | HC | S Sig | nalize | ed li | nte | rsec | tion l | Res | sult | ts Su | mmar | У | | | | |
|--|--|--|--|-------------------|-----------|-----------------------|------------|-----------------------|--|-------------------|--|----------|------------------------|--------|--------------------|--|----------|
| 2.00 | | | | | | | | | | | | | | | | | |
| General Inform | nation | | | | | V700000 A A P | | | | | Interse | ction In | format | ion | | 月4 先奉 | |
| Agency | | Horner & Canter As | ssoc | | | | | | | | Duratio | 1, h | 0.25 | 0 | | - 4 L | |
| Analyst | | DHH | | Analy | sis D | Date | Jul 7 | , 2025 | | 7 | Area Ty | ре | Othe | er | 3 | | È |
| Jurisdiction | Committee of the Commit | Perkasie Borough | | Time | Perio | od | AM F | eak H | our | | PHF | | 0.93 | | <u> </u> | n e | <u> </u> |
| Urban Street | mymbora saasa kamalaa ka | | | Analy | rsis Y | 'ear | 2028 | No-Bu | ild | / | Analysis | s Period | 1> 7 | :00 | Ę | | Ţ |
| Intersection | | Constitution Ave/Pe | | . File N | lame | , | Cons | titution | Ave | _Pe | rkasie S | Square_ | na.xus | | | ነ ተ | |
| Project Descrip | tion | 25-038 Perkasie Pl | ace | | who seems | www. | | indikter om en moneye | v (015000 - 155 | | ONE OF A STREET | | | | | 141145 | ri in ir |
| D | | | | n . | | | | | | | | | | | | | |
| Demand Inform | TO THE REAL PROPERTY AND ADDRESS OF THE PERSON NAMED AND ADDRE | A Constitution of the Cons | w. | 4 . | | EB = | 1 | | | WB | ontereprenation of the contract of the contrac | | NB | | | SB | |
| Approach Move | | | | | | T | R | L | | <u>T</u> | R | L · | Ţ | R | L | T | R |
| Demand (v), v | en/n | | | 7 | | 0 | 10 | 47 | | 0 | 47 | 4 | 118 | 3 49 | 69 | 164 | 4 |
| Signal Informa | ition | | | 1 | l | ľ | | | - 1 | | ~ I | 1 | | | ı | | |
| Cycle, s | 85.0 | Reference Phase | 2 | - | Ι. | 73 | W | - 1 | į, | | g., | | | | KÎZ. | | я |
| Offset, s | 0 | Reference Point | End | ┨ | | <u> </u> | | | <u> </u> | Ž | | | | 1 | 2 | 3 | ₹ 4 |
| Uncoordinated | Yes | Simult. Gap E/W | On | - Greer Yellov | 7.0 | | 7.0 | 27.0 | | <u>20.0</u> | | 0.0 | | | L | | |
| Force Mode | Fixed | Simult. Gap N/S | On | Red | 2.0 | | 4.0 2.0 | 4.0 2.0 | | <u>4.0</u> 2.0 | 0.0 | 0.0 | | ``\ | 13 | 7535 | Y |
| , Gross Widde | , ixea | Canali. Cap 14/C | | Litea | 14.0 | , | 12.0 | 12.0 | L | 2.0 | 10.0 | 10.0 | | _ " | 9 | 6 | 8 |
| Timer Results | | | | l EB | | F | BT | W | 31 31 | 1 | WBT | NB | | NBT | SB | | SBT |
| Assigned Phase | 9 | | | | _ | | 4 | | | \vdash | 8 | 5 | | 2 | 1 | | 6 |
| Case Number | ** | | | | | Y-SOMMAN TO THE | 3.0 | | DW0D | +- | 7.0 | 1.1 | | 3.0 | 1.1 | | 4.0 |
| Phase Duration | . S | | | | | STATISTICAL PROPERTY. | 6.0 | | | - | 26.0 | 13. | NEWSON CONTRACTOR | 33.0 | 26. | | 46.0 |
| Change Period, | THE PROPERTY OF THE PARTY OF TH | e). s | | | | | 3.0 | | E-William Co. | <u> </u> | 6.0 | 6.0 | | 6.0 | 6.0 | *************************************** | 6.0 |
| Max Allow Head | | | | | | ********** | 3.5 | | | | 3.5 | 3.1 | | 3.1 | 3.1 | | 3.1 |
| Queue Clearand | | THE RESIDENCE OF THE PROPERTY | | | | | 3.2 | | | ╁ | 5.1 | 2.6 | | 6.7 | 4.0 | | 7.4 |
| Green Extension | Фе <u>ргич</u> | | Carelana e e e e e e e e e e e e e e e e e e | | | |).2 | | Annual Report | O) | 0.2 | 0.0 | CONTRACTOR DESCRIPTION | 0.6 | 0.1 | SANDERS OF THE PARTY OF THE PAR | 0.6 |
| Phase Call Prob | *************************************** | | | | | | .00 | | ······································ | - | 1.00 | 1.00 | | 1.00 | 1.00 | | 1.00 |
| Max Out Probab | ··· | | | 27 | | | .00 | | | | 0.00 | 0.03 | | 0.00 | 0.00 | | 0.00 |
| | | | | н | | | | 11 | | | | | | 0.00 | ₁₁ 0.00 | · | 0.00 |
| Movement Gro | up Res | ults | | | E | 3 | | | ٧ | VΒ | | | NB | | | SB | |
| Approach Move | ment | | | L | Ţ | | R | L | | T | R | L | T | R | L | Т | R |
| Assigned Mover | nent | | | 7 | 4 | | 14 | 3 |] ; | 8 | 18 | 5 | 2 | 12 | 1 | 6 | 16 |
| Adjusted Flow R | MANAGEMENT AND ASSESSMENT | | | | 18 | 3 | | | 5 | 51 | 40 | 4 | 127 | 42 | 74 | 181 | |
| Name and Address of the Control of t | ****************** | w Rate (s), veh/h/lr | 1 | | 163 | 33 | | | 13 | 311 | 1508 | 1750 | 1837 | 1594 | 1714 | 1792 | |
| Queue Service | | | | | 0.0 |) | | | 1 | .9 | 1.7 | 0.1 | 4.2 | 1.5 | 1.5 | 4.9 | |
| Cycle Queue Cle | ides iddition between charge growing | e Time (<i>g ₀</i>), s | 12340 - Ambrew - Ambr | | 0.7 | 7 | | | 2 | .6 | 1.7 | 0.1 | 4.2 | 1.5 | 1.5 | 4.9 | |
| Green Ratio (g/ | | AND THE RESIDENCE OF THE PROPERTY OF THE PROPE | | | 0.2 | 5 | | | 0. | 25 | 0.25 | 0.42 | 0.33 | 0.33 | 0.61 | 0.48 | |
| Capacity (c), ve | | | | | 463 | 3 | | | 40 | 9 | 373 | 646 | 605 | 525 | 867 | 865 | |
| Volume-to-Capa | | | | | 0.03 | 39 | | | 0.1 | 24 | 0.107 | 0.007 | 0.210 | 0.080 | 0.086 | 0.209 | |
| | | In (95 th percentile) | | | 13 | | | | 3 | 8 | 29 | 2 | 78 | 25 | 22 | 83 | |
| AND THE RESERVE THE PROPERTY OF THE PERSON NAMED AND THE PERSON NAMED AN | TOTAL CHARLES TO STREET AND STREET | h/ln (95 th percentile | THE REAL PROPERTY AND ADDRESS OF THE PERSON NAMED AND ADDRESS | | 0.5 | 5 | | | 1 | .5 | 1.2 | 0.1 | 3.1 | 1.0 | 0.9 | 3.3 | |
| Extraction of the Contract of | TOTAL PROPERTY AND ADDRESS OF THE PARTY AND AD | RQ) (95 th percenti | le) | | 0.0 | | | | 0.0 | 00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Uniform Delay (| | | | | 24. | | | | 25 | 5.1 | 24.7 | 14.2 | 20.9 | 19.6 | 7.2 | 12.7 | |
| Incremental Dela | *************************************** | ~~~ | | 0.0 |) | | | 0. | .0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | | |
| Initial Queue Del | *************************************** | The second secon | | | 0.0 | | | | 0. | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Control Delay (a | NAME OF TAXABLE PARTY. | h | | | 24.4 | 4 | | | 25 | | 24.8 | 14.2 | 20.9 | 19.7 | 7.2 | 12.7 | |
| Level of Service | | | | | C | | | | | | С | В | C | В | Α | В | |
| Approach Delay, | CVCWYATER THE COLUMN | A STATE OF THE PARTY OF THE PAR | | 24.4 | | C | | 25.0 |) | | С | 20.5 | | С | 11.1 | | В |
| Intersection Dela | ay, s/vel | n/LOS | | | | | 16 | .9 | | | | | | | В | TO ANNO SERVICE SERVIC | |
| | | | | | | | | | | | | | | | | | |
| Multimodal Res | | | | | EE | | Į. | | V | /B | | | NB | | | SB | |
| Pedestrian LOS | ······································ | Compression Committee Comm | | 2.13 | | E | | 1.93 | manufactures of particular and parti | / | В | 1.93 | | В | 1.67 | | В |
| Bicycle LOS Sco | re / LO | S | | 0.52 | | Α | ١ . | 0.64 | 1 | | Α | 0.77 | | Α | 0.91 | | Α |

| | | HC | S Sig | nalize | ed In | ters | ect | ion R | tesul | lts Su | mmar | У | | | | |
|--|--|--|--|---------------|--|----------|------------|-----------------------------|---|-----------|----------|---|---------|--|---|--|
| | | | | | | | | | | | | | | - 3 4 A | | |
| General Inforr | nation | | | | | | ~ | | | Interse | ction in | format | ion | | | j pi Ç |
| Agency | | Horner & Canter As | ssoc | 7 | | | | | | Duratio | n, h | 0.25 | 0 | | | |
| Analyst | | DHH | | Analy | sis Da | ite Ju | ıl 7, : | 2025 | | Area Ty | ре | Othe | er | | | <u>.</u> |
| Jurisdiction | | Perkasie Borough | | Time | Period | l PN | VI Pe | eak Hou | ur j | PHF | | 0.97 | | 호 숙 국 | włe | |
| Urban Street | | | | Analy | sis Ye | ar 20 | 28 1 | Vo-Buil | d | Analysi | s Period | 1> 7 | :00 | <u> </u> | | 7 |
| Intersection | ************************************** | Constitution Ave/Pe | erkasi | File N | ame | Cd | onsti | itution A | Ave_P | erkasie (| Square_ | np.xus | | | 111 | |
| Project Descrip | tion | 25-038 Perkasie Pl | ace | | Total Control on the Control of the | | ··· | | rii in in in in in in in in in in in in i | | | No. | | - | <u>ች ቀ</u> ፤ ተንቀና | * 1-1 |
| | | | 1 | l . | | | | | | | | | | | | |
| Demand Inform | | | Maria W. M. Indonés Majarana | . | EE | | | | W | | | NE | | | SB | |
| Approach Move | | | | L | T | | R | L | I | | L | T | R | L | T | R |
| Demand (v), v | en/n | | | 13 | 1 1 | | 11 | 107 | 3 | 180 |) 4 | 234 | 4 122 | 155 | 163 | 4 |
| Signal Informa | ition | | | 1 | 1 1 | | II . | 1 115 | | 90 | -1- | | 1 | Т | | |
| Cycle, s | 111.0 | Reference Phase | 2 | | 2 | i G | V. | J. | وينسو وا | | | | | 자치 | | , a |
| Offset, s | 0 | Reference Point | End | <u> </u> | S | | | n and a | 1 | | | | 1 | 2 | 3 | * |
| Uncoordinated | Yes | Simult. Gap E/W | On | Green | | 7. | | 48.0 | 25. | | 0.0 | | | | | 五 |
| Force Mode | Fixed | Simult. Gap N/S | On | Yellow Red | 2.0 | 4. 2. | | 4.0 2.0 | 4.0 2.0 | | 0.0 | THE RESERVE AND ADDRESS OF THE PARTY OF THE | ``\ | ₽¥ 6 | , | Y. |
| 1 Gree Mede | i ixea | Olitidit. Cap 1470 | Oli | Inca | 12.0 | 12. | <u> </u> | 12.0 | 12.0 | 10.0 | [0.0 | | | 9 | | - |
| Timer Results | | | | EBI | | EBT | | WB | | WBT | NB | | NBT | SB | 1 | SBT |
| Assigned Phase | 9 | | <u> </u> | | | 4 | | *** | | 8 | 5 | | 2 | 1 | - - | 6 |
| Case Number | | | | | | 8.0 | 200 | | | 7.0 | 1.1 | | 3.0 | 1.1 | | 4.0 |
| Phase Duration | S | | DESTRUCTION OF STREET | | | 31.0 | | A.III. (400) A.II. (400) | | 31.0 | 13. | | 54.0 | 26. | | 67.0 |
| Change Period, | | s (s | *************************************** | | | 6.0 | | | | 6.0 | 6.0 | - | 6.0 | 6.0 | | 6.0 |
| Max Allow Head | **** | | | | | 3.5 | | | | 3.5 | 3.1 | | 3.1 | 3.1 | | 3.1 |
| Queue Clearan | | | | | | 3.7 | | | | 11.5 | 2.6 | · | 11.9 | 6.5 | | 7.7 |
| Green Extensio | Active Contract Contr | ************************************** | | | 100 Marie 100 Ma | 0.6 | | of the second second second | | 0.6 | 0.0 | Salara Commence | 0.9 | 0.2 | ************* | 0.9 |
| Phase Call Prob | *************************************** | (3 -), - | | | 244 | 1.00 | -1 | | | 1.00 | 1.0 | | 1.00 | 1.00 | | 1.00 |
| Max Out Probab | | | | | | 0.00 | | | | 0.00 | 0.0 | | 0.00 | 0.00 | | 0.00 |
| | , | | | | | | /1 | | | | | | 0.00 | n | 7 | 0.00 |
| Movement Gro | up Res | ults | | | EB | | | | WB | | | NB | | | SB | |
| Approach Move | ment | | | L | Т | R | Nasa viene | L | T | R | L | T | R | L | Т | R |
| Assigned Move | ment | | | 7 | 4 | 14 | 1 | 3 | 8 | 18 | 5 | 2 | 12 | 1 | 6 | 16 |
| Adjusted Flow F | Rate (<i>v</i>) |), veh/h | | | 26 | | | | 113 | 144 | 4 | 241 | 95 | 160 | 172 | The state of the s |
| Adjusted Satura | tion Flo | w Rate (s), veh/h/lı | า | | 1649 | | | | 1362 | 1508 | 1750 | 1837 | 1619 | 1714 | 1792 | |
| Queue Service | Time (g | 's), S | | | 0.0 | | | | 6.5 | 9.0 | 0.1 | 9.4 | 3.9 | 4.0 | 5.2 | |
| Cycle Queue Cl | earance | Time (g_{c}), s | | | 1.2 | | | | 7.7 | 9.0 | 0.1 | 9.4 | 3.9 | 4.0 | 5.2 | |
| Green Ratio (g/ | CONTRACTOR OF THE PERSON NAMED IN COLUMN TWO | | | | 0.23 | | | | 0.23 | 0.23 | 0.51 | 0.44 | 0.44 | 0.65 | 0.56 | |
| Capacity (c), ve | | | | | 436 | | | | 383 | 353 | 735 | 811 | 715 | 802 | 1001 | |
| Volume-to-Capa | | | | | 0.059 | | L | | 0.296 | 0.409 | 0.006 | 0.297 | 0.133 | 0.199 | 0.172 | |
| ACCOUNT OF THE PARTY OF THE PAR | | In (95 th percentile) | | وجسوستصحمد | 25 | | | | 119 | 155 | 2 | 177 | 64 | 60 | 90 | |
| www.comencer.com | CONTRACTOR OF THE PARTY OF THE | h/ln (95 th percentil | ATTACAMA TARABATAN AND AND AND AND AND AND AND AND AND A | | 1.0 | | | **************** | 4.8 | 6.2 | 0.1 | 7.1 | 2.6 | 2.4 | 3.6 | |
| The state of the s | | RQ) (95 th percenti | le) | | 0.00 | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Uniform Delay (| | | Description (| | 33.0 | ļ | | | 35.5 | 36.0 | 13.2 | 20.2 | 18.4 | 8.1 | 12.0 | |
| Incremental Dela | | | | 0.0 | PO 75 | | | 0.2 | 0.3 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | | |
| Initial Queue De | | | | 0.0 | | | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Control Delay (| | h | | | 33.0 | <u> </u> | | | 35.6 | 36.3 | 13.2 | 20.3 | 18.4 | 8.1 | 12.0 | |
| Level of Service | | | | | C | | _ | | D | D | В | Ç | В | Α | В | |
| Approach Delay | | | | 33.0 | | С | | 36.0 | | D | 19.7 | | В | 10.1 | | В |
| Intersection Dela | ay, s/veh | 1/LOS | | | | 78 | 21. | 1 | | (XX | | | (| 3 | | |
| B. 147 | 17 | | и | | | | 11 | | | | | | | | | |
| Multimodal Res | | Loc | | | EB | F-4 | _ - | | WB | | | NB | | Communication of the Communica | SB | |
| Pedestrian LOS | HOLEST AND THE WATER OF THE PARTY OF THE PAR | CONTRACTOR AND ADDRESS OF THE PARTY OF THE P | | 2.17 | - markey buildings | В | | 1.94 | | В | 1.97 | ****** | В | 1.67 | *************************************** | В |
| Bicycle LOS Sco | ne / LU | 3 | | 0.53 | | Α | | 0.91 | | A | 1.05 | | Α | 1.04 | | Α |

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| General Inform | nation | | | | and the same of th | | | | | 1 | ntersed | ction In | format | ion | | 1444 | | A. |
| Agency | | Horner & Canter As | ssoc | THE PARTY OF THE P | | *************************************** | | | *************************************** |] [| Duration | ı, h | 0.25 | 0 | | 1 | Ļ | |
| Analyst | | DHH | | Analy | rsis Da | ate | Jul 7, | 2025 | | Α | ∖rea Ty | pe | Othe | er | <u></u> | | | T. |
| Jurisdiction | | Perkasie Borough | | Time | Perio | d | SAT F | Peak H | our | ~~~ | PHF | · · · · · · · · · · · · · · · · · · · | 0.92 | | <u>.</u> | w. | Ę. | 全 |
| Urban Street | | December 1985 And Market Michigan Company of State Communications of the Communication of the | *************************************** | Analy | sis Ye | ar | 2028 | No-Bui | ild | A | \nalysis | Period | | | = = | | | <u>+</u> |
| Intersection | | Constitution Ave/Pe | erkasi | | AND DESCRIPTION OF THE PARTY OF | *************************************** | -wax | | ************ | | *************************************** | Square | | | | | ř | |
| Project Descrip | tion | 25-038 Perkasie Pl | ace | -/ | | | | | | | *************************************** | | | *************************************** | | 14:14 | ት' ት / ' | |
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| Demand Inform | nation | | | | E | В | | | | WB | | | NE | } | | S | 3 | |
| Approach Move | ement | | | L | T | -] | R | L | | Τ | R | L | Ţ | R | L | T | - | R |
| Demand (v), v | eh/h | | Hammon Ponner II Williams / EV | 6 | 0 | | 15 | 82 | | 2 | 166 | 4 | 164 | 4 116 | 141 | 14 | 9 | 2 |
| | ± = 10 × 10 × 10 ± | 100 mg | | | | | | | | | | | | | | , | | |
| Signal Informa | | | | | ļ | M | W | e V | a | 7 (| | | | | 0.000 | 8 85 85 | | |
| Cycle, s | 85.0 | Reference Phase | 2 | | W. | | | R _e | rë | | | - 1 | | `` . | Y | | | ♦ 』 |
| Offset, s | 0 | Reference Point | End | Greer | 1 7.0 | | 7.0 | 27.0 | <u> </u> | 20.0 | 0.0 | 0.0 | [255]33 [355]33 [355]33 | | | | | |
| Uncoordinated | Yes | Simult. Gap E/W | On | Yellov | v 4.0 | | 4.0 | 4.0 | 4 | 1.0 | 0.0 | 0.0 | | ∖ ≥ | > | | 1 | 7 |
| Force Mode | Fixed | Simult. Gap N/S | On | Red | 2.0 | | 2.0 | 2.0 | [2 | 2.0 | 0.0 | 0.0 | | 5 | 6 | | 7 | 8 |
| | | | | | | | | | | | | | | | | | | |
| Timer Results | | | | EB | L L | E | BT | WE | 3L | ١ا | WBT | NB | L | NBT | SB | L | SE | 3T |
| Assigned Phase | 9 | | | | | Marine | 4 | | T979101 475704 | | 8 | 5 | | 2 | 1 | | 6 | |
| Case Number | | TEN DEMANGEMBLE CONTRACTOR OF THE STATE OF T | na para de la composición dela composición de la composición de la composición de la composición de la composición dela composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la | | | 8. | .0 | | DUTTE LA LIA DE LA LIA DE LA LIA DE LA LIA DE LA LIA DE LA LIA DE LA LIA DE LA LIA DE LA LIA DE LA LIA DE LA LI | ESENTA AND AND A | 7.0 | 1.1 | | 3.0 | 1.1 | | 4, | 0 |
| Phase Duration | , s | | | | | 26 | 3.0 | | | 2 | 26.0 | 13. | 0 | 33.0 | 26.0 | 0 | 46. | .0 |
| Change Period, | | | | | | 6. | .0 | | | | 6.0 | 6.0 | | 6.0 | 6.0 | | 6.0 | 0 |
| Max Allow Head | lway (N | <i>1AH</i>), s | | | | 3. | .6 | | | | 3.6 | 3.1 | | 3.1 | 3.1 | | 3. | 1 |
| Queue Clearand | ce Time | (gs), s | | | | 3. | .4 | | | | 9.2 | 2.6 | | 8.6 | 5.8 | | 7.0 | 0 |
| Green Extension | n Time (| (ge), s | | | | 0. | .6 | | | | 0.5 | 0.0 | | 0.7 | 0.2 | | 0.8 | 8 |
| Phase Call Prob | pability | | | | | 1.0 | 00 | | | , | 1.00 | 1.0 |) | 1.00 | 1.00 |) | 1.0 | 10 |
| Max Out Probab | oility | | | | | 0.0 | 00 | | | (| 0.00 | 0.0 | 3 | 0.00 | 0.00 | | 0.0 | Ю |
| | | | | | | | | | | | | | | | | | | |
| Movement Gro | V | ults | THE OWNER OF THE OWNER, | | EB. | | | | N | чистически | | | NB | | | SE | to consequences | |
| Approach Move | | | | L | T | | R | L | ן ן | | R | L | | R | L | Т | | R |
| Assigned Mover | | | | 7 | 4 | | 14 | 3 | 8 | | 18 | 5 | 2 | 12 | 1 | 6 | DESTRUCTION OF THE PARTY OF THE | 16 |
| Adjusted Flow R | | | | | 23 | | | | 9 | - | 142 | 4 | 178 | 88 | 153 | 164 | | |
| POTENCIAL DESCRIPTION OF THE PROPERTY OF THE P | | w Rate (s), veh/h/li | n į | | 1648 | - | | *************************************** | 13 | | 1508 | 1750 | 1837 | 1619 | 1714 | 178 | 2 | |
| Queue Service | | | | | 0.0 | | | | 3. | | 6.7 | 0.1 | 6.1 | 3.3 | 3.3 | 4.5 | | |
| Cycle Queue Cl | ADVENIENCE MANAGEMENT OF THE PARTY OF THE PA | :Time (<i>g c</i>), s | | | 0.9 | | | THE RESERVE AND PARTY OF THE PA | 4. | | 6.7 | 0.1 | 6.1 | 3.3 | 3.3 | 4.5 | | |
| Green Ratio (g/ | THE PERSON NAMED IN THE PE | | | | 0.25 | *********** | | X-bb/t | 0.2 | | 0.25 | 0.42 | 0.33 | 0.33 | 0.61 | 0.48 | | |
| Capacity (c), ve | ************************************** | | | | 462 | Descriptions. | | allah da da kacamanan da da da da da da da da da da da da da | 41 | | 373 | 652 | 605 | 533 | 824 | 859 | | |
| Volume-to-Capa | | | | | 0.049 | 9 | | | 0.2 | | 0.382 | 0.007 | 0.295 | 0.165 | 0.186 | 0.19 | 1 | |
| | | ln (95 th percentile) | | | 16 | | | | 6 | 9 | 111 | 2 | 114 | 54 | 47 | 75 | | |
| | | h/ln (95 th percentil | | ······································ | 0.7 | | | | 2. | 8 | 4.4 | 0.1 | 4.5 | 2.1 | 1.9 | 3.0 | | |
| | | RQ) (95 th percenti | le) | | 0.00 | THE PERSON NAMED IN | | | 0.0 | 00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| Uniform Delay (| | | | | 24.4 | | | | 25 | .8 | 26.6 | 14.2 | 21.5 | 20.2 | 7.7 | 12.5 | | |
| wanteed to a language of the control | cremental Delay (d 2), s/veh | | | | | | | | 0. | 1 | 0.2 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | | |
| Initial Queue De | ADDRESS OF THE PERSON OF THE P | | | | 0.0 | | | | 0. | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | | |
| Control Delay (| WALLES AND A STREET OF THE STREET | h | | | 24.4 | | | | 25 | .9 | 26.8 | 14.2 | 21.6 | 20.3 | 7.8 | 12.6 | | |
| Level of Service | (LOS) | | | | С | | | | 0 | | С | В | С | С | Α | В | | |
| Approach Delay, | s/veh/ | LOS | | 24.4 | | С | ; | 26.5 | 5 | | С | 21.1 | | С | 10.3 | | В | |
| Intersection Dela | ay, s/veł | ı/LOS | | ACAD TABLE | | | 18 | .6 | | | | | | | В | | | |
| | | | | | | | | | | | | | + - | | | | | |
| Multimodal Res | ults | - CARLO CARLO | | Comments. | EB | | | | W | В | | | NB | | | SB | | |
| Pedestrian LOS | ******************************* | | | 2.17 | | В | 3 | 1.93 | 3 | | В | 1.97 | | В | 1.67 | | В | |
| Bicycle LOS Sco | ore / LOS | S | | 0.53 | | Α | | 0.87 | <u> </u> | | Α | 0.93 | | Α | 1.01 | | Α | |

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| Agency | | Horner & Canter As | SSOC | | | | | | ********** | - ! | ıratior | | 0.25 | MICE | | | | |
| Analyst | | DHH | | Analy | sis Da | te I. | Jul 7. | 2025 | | | еа Ту | | Othe | | | | | ì |
| Jurisdiction | | Perkasie Borough | | | Period | | | eak Ho | ur | PH | | Y | 0.90 | | — → ∳ -∻ | | # n∔€ | <u> </u> |
| Urban Street | | | neurone contrata de la contrata del contrata de la contrata del contrata de la contrata del contrata de la contrata de la contrata de la contrata del contrata de la contrata del contrata de la contrata de la contrata de la contrata del contrata de la contrata de la contrata del contrata del contrata del contrata de la contrata del contrata del contrata del contrat | Analy | PERSONAL PROPERTY OF THE PERSON NAMED IN COLUMN 2 IN C | | ORIGINAL PROPERTY OF THE PARTY | No-Bui | | | | Period | THE PARTY OF THE P | | <u> </u> | | | - - |
| Intersection | , managament de la participa d | Constitution Ave/W | alnut | File N | ************************************** | | ************************************** | titution | | | | | errenitent en | .00 | | ĸ | | 7 الم |
| Project Descrip | tion | 25-038 Perkasie Pl | | <u> </u> | | | | | | TTOIL | iat ou | 000_1101 | | | | ት i ተ | ት ነገ 1 | |
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| Demand Inform | nation | | | | EB | } | 7-50-50-0 HILLION | | ٧ | VΒ | | | NE | 3 | | ξ | SB | |
| Approach Move | ement | | | L | T | П | R | L | | T | R | L | ΙT | R | L | | T |] R |
| Demand (v), v | eh/h | | | 1 | 205 | 5 | 144 | 58 | 1 | 62 | 1 | 104 | 0 | 49 | 0 | | 0 | 0 |
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| Signal Informa | | | i | | | , | ₩ € | - O3 (| | | | | | | | | | |
| Cycle, s | 86.0 | Reference Phase | 2 | | I RY | M | ſŹ. | | | | | | | 4 | Y | ¥ | | ♣. |
| Offset, s | 0 | Reference Point | End | Green | | | 7.0 | 35.0 | 0 | .0 | 0.0 | 0.0 | | | I i | | | |
| Uncoordinated | Yes | Simult. Gap E/W | On | Yellow | 4.0 | [4 | 4.0 | 4.0 | 0. | 0 | 0.0 | 0.0 | | ¥ | 1 | | | * |
| Force Mode | Fixed | Simult. Gap N/S | On | Red | 3.0 |](| 3.0 | 3.0 | 0. | .0 | 0.0 | 0.0 | | 5. | 6 | | 7 | 8 |
| | | | | | | | | | | | | | | | | | | |
| Timer Results | | | | EBI | - | EB | | WB | L | | /BT | NB | L | NBT | SE | BL. | | SBT |
| Assigned Phase | 9 | THE RESERVE OF THE PROPERTY OF | | | | 4 | | 3 | | | 8 | | | 2 | | | ********** | 6 |
| Case Number | _ | | | | | 8.3 | - | 1.0 | and the second | ** | .0 | | | 6.0 | | | - | 0.8 |
| Phase Duration | | \ _ | | | | 42. | *************************************** | 14.0 | **** | | 3.0 | | | 30.0 | <u> </u> | | *************************************** | 30.0 |
| Change Period, | | | <u> </u> | | | 7.0 | | 7.0 | | | .0 | | | 7.0 | - | | *************************************** | 7.0 |
| Max Allow Head | THE RESERVE THE PROPERTY OF THE PERSON NAMED IN COLUMN 1 | | | | | 3.2 | | 3.1 | | | .2 | | | 3.1 | | | PII/ANIA WAT | 0.0 |
| Queue Clearan | ATTENDED AND AND AND AND AND AND AND AND AND AN | | | ninhumannania-arena | | 14. | | 4.2 | ***************** | | .4 | | | 7.3 | | | Territoria. | |
| Green Extensio | ATTENDED OF THE VAN AND THE PARTY OF THE PAR | (<i>g</i> e), s | | | | 1. | ··· | 0.0 | | (/www.manners.com | .1 | | | 0.2 | <u> </u> | | | 0.0 |
| Phase Call Prob | | , | | | | 1.0 | | 1.00 | | | 00 | | | 1.00 | | | | |
| Max Out Probal | лису | | J | | | 0.0 | U | 1.00 | | 0.0 | UU | | | 0.00 | Л | | W. | |
| Movement Gro | up Res | ults | | | EB | | | | W | R | | | NB | | | SI | R | |
| Approach Move | ment | | ******* | L | Т | | R | L | Т | | R | L | T | l R | L | ĪΤ | - | R |
| Assigned Move | ment | | | 7 | 4 | , | 14 | 3 | 8 | | 18 | 5 | 2 | 12 | 1 | 6 | | 16 |
| Adjusted Flow F | Rate (<i>v</i>) |), veh/h | | | 350 | | | 64 | 18 | 1 | ii kala kananan in in in in in in in in in in in in in | 116 | 54 | 0 | | 0 | and the same of th | ************************************** |
| Adjusted Satura | tion Flo | w Rate (s), veh/h/lı | n | | 1789 | | | 1587 | 186 | 4 | | 1607 | 1483 | | | 0 | | ··········· |
| Queue Service | | The property of the same of th | | | 0.0 | | | 1.7 | 3.9 | } | | 4.8 | 2.4 | | | 0.0 | o I | |
| Cycle Queue Cl | earance | Time (<i>g c</i>), s | | | 12.2 | | | 1.7 | 3.9 |) | | 4.8 | 2.4 | | | 0.0 | 0 | |
| Green Ratio (g/ | tNetth Andrews American | | | | 0.42 | | | 0.54 | 0.5 | 8 | | 0.28 | 0.28 | | | | | |
| Capacity (c), v | eh/h | | | | 791 | | į | 500 | 108 | 4 | | 532 | 414 | | | | | |
| Volume-to-Capa | city Rat | tio (X) | | | 0.443 | | | 0.129 | 0.16 | 7 | | 0.217 | 0.132 | | | 0.00 | 00 | |
| TOTAL CONTROL OF THE PARTY OF T | Commence of the commence of th | In (95 th percentile) | | | 224 | | | 26 | 64 | | | 85 | 38 | | | 0 | | |
| THE SHOULD BE SH | A STREET AND ADDRESS OF THE PARTY OF | h/ln (95 th percentil | THE RESERVE OF THE PARTY OF THE | | 8.5 | | | 1.0 | 2.5 | | | 3.2 | 1.4 | | | 0.0 |) [| |
| | angere an area and an area and the | RQ) (95 th percenti | ile) | | 0.00 18.1 | | | 0.00 | 0.0 | | | 0.00 | 0.00 | | | 0.0 | 0 | |
| | niform Delay (d 1), s/veh | | | | | | | 10.8 | 8.3 | | | 24.1 | 23.2 | | | ļ | | |
| | cremental Delay (d 2), s/veh tial Queue Delay (d 3), s/veh | | | | | | | 0.0 | 0.0 | | | 0.1 | 0.1 | | | 0.0 | | |
| to a serial control of the serial control of | | THE RESIDENCE OF THE PROPERTY | | | 0.0 | | | 0.0 | 0.0 | | | 0.0 | 0.0 | | | 0.0 |) | |
| Control Delay (| | N | | *************************************** | 18.2 | | | 10.8 | 8.4 | | | 24.2 | 23.3 | | | ļ | | |
| Level of Service | | 11.00 | | 100 | В | <u></u> | | В | A | | | С | C | 1 | | <u> </u> | | |
| Approach Delay | Transcondental and the second second | | | 18.2 | | В | | 9.0 | | Α | ١ | 23.9 | <u> </u> | С | 0.0 | | | |
| Intersection Dela | ay, s/vet | 1/LUS | | | | | 16 | .5 | | | | | | | В | | | |
| Multimodal Res | uulta | | H | | ED | | li | | ١٨/- |) | 1 | | A I C | | | | | |
| Pedestrian LOS | | 108 | | 1.91 | EB | D | | 4 00 | WE | | , 1 | 4.00 | NB | D | , , , | SE - I | | |
| Bicycle LOS Sco | | The second secon | | | Personal Property and Property | В | | 1.66 | | В | | 1.92 | | В | 1.7 | | 0.000 mg (0.000 | В |
| PICACIC FOO OCC | VE L LO | J | | 1.07 | | Α | | 0.89 | | Α | ١ . | 0.77 | L | Α | 0.49 | 9 | | A |

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| Jurisdiction | | Perkasie Borough | anna a fa a dh'ann dhadd fa. | Time | | | Peak Ho | Amman | PF | HF | | 0.96 | • | ÷ | * | vi‡E S | |
| Urban Street | | | mpana magana | Analy | | committee and the second | 3 No-Bu | | personal numbers of the | UZYANIA MINI | Period | | :00 | 7 | | | 7 |
| Intersection | | Constitution Ave/W | | File N | ame | Con | stitution | Ave_ | Walr | nut Str | eet_np. | xus | | | | ጎ የ | |
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| Demand Inform | ~~ ~ t ! ~ ~ | | | 1 | FF | , | | | A/D | | | , , , , , , , , , , , , , , , , , , , | i i | 1 | | | |
| Approach Move | | | | , | EE T | | | 1 | WB = | T 5 | | NE I - | | | | SB | |
| Demand (v), v | | | | <u> L</u> | 218 | R 3 210 | | <u>, </u> | T | R | L OZC | T | F | | L | T | R |
| Demand (V), V | GII/II | | | J | 210 | 7 2 10 | 3 10 | U (| 332 | 1 | 270 |) 6 | 12 | 21 | 0 | 0 | 0 |
| Signal Informa | ntion | | | | IJ. | | 8. | R.J | | | | | T | | T | | |
| Cycle, s | 93.0 | Reference Phase | 2 | | 1 | - 1 | | Č. | | | | | | 寸 | , <u>v</u> | | |
| Offset, s | 0 | Reference Point | End | | | | 1 | | | | | | 1 | | 2 | 3 | Y 4 |
| Uncoordinated | Yes | Simult. Gap E/W | On | Green Yellow | | 14.0 4.0 | 39.0 4.0 | | .0 | 0.0 | 0.0 | | | 人 | | | 45 - |
| Force Mode | Fixed | Simult. Gap N/S | On | Red | 3.0 | 3.0 | 3.0 | | .0 | 0.0 | 0.0 | SASSACOSCO-COMP | 5 | Y | G. | 7 | 8 |
| 10.00 | | | | , | | | | 1 | | | | | | | | | |
| Timer Results | | | | EBI | - [| EBT | WE | 3L | V | VBT | NB | L | NBT | | SBL | 1 | SBT |
| Assigned Phase | 9 | | | | | 4 | 3 | | | 8 | | | 2 | ì | | | 6 |
| Case Number | 000000000000000000000000000000000000000 | | | | | 8.3 | 1.0 | 0 | 4 | 1.0 | | | 6.0 | | | | 8.0 |
| Phase Duration | , S | THE REAL PROPERTY OF THE PROPE | | - Indivini sa Alamano a songa | | 46.0 | 21. | .0 | 67 | 7.0 | | | 26.0 | | | ************** | 26.0 |
| Change Period, | (Y+R a | c), S | | | | 7.0 | 7.0 |) | 7 | 7.0 | | | 7.0 | | ., | 1 | 7.0 |
| Max Allow Head | dway (A | //AH), s | | | | 3.2 | 3. | 1 | 3 | 3.2 | | | 3.1 | | | | 0.0 |
| Queue Clearan | ce Time | (gs), s | | | | 17.4 | 4.7 | 7 | 9 |).6 | | | 16.8 | | | | |
| Green Extensio | n Time (| (ge), s | | | | 1.5 | 0. | 1 | 1 | .6 | | | 0.2 | | | THE STREET STREET, STR | 0.0 |
| Phase Call Prob | oability | | | | | 1.00 | 1.0 | 0 | 1. | .00 | | | 1.00 | | | | |
| Max Out Probal | oility | | | | | 0.00 | 0.0 | 0 | 0. | .00 | | | 1.00 | | | | |
| | | | | , | | | | | | | | | | | | | |
| Movement Gro | S | ults | | | EB | - | | W | | 0.0740.00 | | NB | | | | SB | |
| Approach Move | | | | <u> </u> | | R | L. | <u> </u> | | R | L | T | R | L | | T | R |
| Assigned Move | | \ | | 7 | 4 | 14 | 3 | 8 | | 18 | 5 | 2 | 12 | 1 | | 6 | 16 |
| Adjusted Flow F | | | ···· | | 401 | | 104 | 34 | | | 281 | 132 | ļ | _ | ~~~ | 0 | |
| | and the same of th | w Rate (s), veh/h/lr | 1 | | 1830 | | 1750 | 191 | *************************************** | | 1714 | 1593 | | | | 0 | |
| Queue Service Cycle Queue Cl | | The same of the sa | | | 0.0 | | 2.2 | 7. | | | 14.3 | 6.6 | <u> </u> | | | 0.0 | |
| Green Ratio (g/ | COMMUNICATION CONTRACTOR | e fille (gc), s | | | 14.9 0.43 | | 2.2 | 7. | | | 14.3 | 6.6 | | | | 0.0 | Military of Lances on Assessment |
| Capacity (c), v | | | | | 826 | | 0.62 636 | 0.6 | | | 0.22 | 0.22 | | | | | |
| Volume-to-Capa | | fio (V) | | | 0.486 | | 0.164 | 0.2 | | | 446 0.630 | 343 0.386 | | | | | |
| | ······ | /In (95 th percentile) | | | 260 | 1 | 34 | 11 | | | 252 | 112 | | | | 000 | |
| | | h/ln (95 th percentil | | | 10.3 | | 1.3 | 4.4 | | | 10.1 | 4.5 | | - | tatacional enamento | .0 | |
| MARKANIA AND AND AND AND AND AND AND AND AND AN | AND DESCRIPTION OF THE ANALYSIS | RQ) (95 th percenti | NAME OF TAXABLE PARTY O | | 0.00 | | 0.00 | 0.0 | | | 0.00 | 0.00 | <u> </u> | 1 | | .0 .00 | |
| Uniform Delay (| THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER. | | 16) | × | 19.3 | | 9.0 | 6.7 | | | 34.3 | 31.2 | - | | 0. | ·UU | |
| Incremental Del | ******* | | | | 0.2 | | 0.0 | 0.0 | | | 2.2 | 0.3 | | - | 1, | .0 | |
| Initial Queue De | | | | | 0.0 | 1 | 0.0 | 0.0 | | | 0.0 | 0.0 | | | | .0 | *************************************** |
| Control Delay (| *************************************** | | | | 19.5 | | 9.1 | 6.8 | | | 36.5 | 31.5 | | | | .0 | |
| Level of Service | maisment and a second | | | | В. | | A | A | | | D | C C | | | | | |
| Approach Delay | | LOS | | ı 19.5 | | <u>.L</u> В | 7.3 | | | <u> </u> | 34.9 | | C | |).0 | 1 | |
| Intersection Dela | AACAMATTA AACAMATTA AACAMATTA AACAMATTA AACAMATTA AACAMATTA AACAMATTA AACAMATTA AACAMATTA AACAMATTA AACAMATTA A | | | | | and the second second second | 0.2 | L | | | 07.0 | | ~ | C | | | |
| | | | l l | | | | - /- | | | 6 | | | 20 | | | | |
| Multimodal Res | sults | | | | EB | 2. | | W | 3 | | | NB | | | 9 | SB | |
| Pedestrian LOS | Score / | LOS | | 1.91 | | В | 1.64 | 1 | Е | 3 | 1.93 | The second secon | В | 1. | 78 | | В |
| Bicycle LOS Sco | ore / LO | S | | 1.15 | | Α | 1.23 | 3 | Α | 1 | 1.17 | TOTAL PROPERTY. | Α | | 49 | | Α |

| | | HC | S Sig | nalize | d In | terse | ction I | Resi | ılts S | Sum | nmar | У | | | | |
|--|---|--|--|--|-----------|---|-------------|-------|--|-------------------|---|---|--|---------|---|---------------------------------------|
| | | Physics of the second | | | | | | | 4-1- | | ui. | | | | | |
| General Inform | nation | | | | | | | | Inter | sect | tion In | format | ion | | 1474 | NOT THE PERSON NAMED IN COLUMN 1 |
| Agency | | Horner & Canter As | ssoc | | | | | | Dura | tion, | h | 0.25 | 0 | | * | |
| Analyst | | DHH | | Analy | sis Da | te Jul | 7, 2025 | | Area | Тур | е | Othe | er | | | <u> </u> |
| Jurisdiction | | Perkasie Borough | year and the same bear and the | | Period | | Peak H | | PHF | MEMalentreson | | 0.92 | | <u></u> | w+E | ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± ± |
| Urban Street | Name and the second | | Vegenja III november 1 vedečnosta | ~ | sis Ye | | 8 No-Bu | | odina za za za za za za za za za za za za za | Schrithren to the | Period | 1> 7 | :00 | | | <u> </u> |
| Intersection | | Constitution Ave/W | | File N | ame | Con | stitution | Ave_\ | <i>N</i> alnut | Stre | et_ns. | xus | | | <u> </u> | |
| Project Descrip | tion | 25-038 Perkasie Pl | ace | | | | | | | | | | | | ণ ব∤ † বিশ্ | የታተ |
| Demand Inform | nation | | | 1 | F-F |) | | | V/D | | 1 | MO | | 1 | 0.0 | |
| Approach Move | | The second secon | | | EE T T | R | L | | VB T | | i , | NB T ∓ | | | SB | |
| Demand (v), v | | | | 1 | 210 | | | | 99 | R 1 | L 205 | T | 119 | L | T | R |
| Demand (V), V | GHIII | | | 1 | 1 210 |) 22 | 3 110 | 7 1 | 99 | I | H 200 | 1 0 | 1 118 | 9 0 | 0 | _ _0_ |
| Signal Informa | tion | | | | T.JK | | 13 1 | R | | | | | | | | 1 |
| Cycle, s | 86.0 | Reference Phase | 2 | | 1 | ř | | | | | - | | 5 6 5 | ₩. | 7 | |
| Offset, s | 0 | Reference Point | End | Green | 23.0 | | 35.0 | 0. | 0 (| 0.0 | | \$3600 05006 | 1 | 2 | 3 | Y 4 |
| Uncoordinated | Yes | Simult. Gap E/W | On | Yellow | | 4.0 | 4.0 | 0. | | 0.0 | 0.0 | 200.00000 200.00000 200.00000 200.0000 | ¥ | 人 | | \Rightarrow |
| Force Mode | Fixed | Simult. Gap N/S | On | Red | 3.0 | 3.0 | 3.0 | 0. | | 0.0 | 0.0 | | 5 | 6 | 7 | 8 |
| | | | | | | | | | | | | | | | | |
| Timer Results | | | | EBI | | EBT |] WE | 3L | WB1 | Γ | NB | | NBT | SB | L | SBT |
| Assigned Phase |) | 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - | | | | 4 | 3 | | 8 | | | | 2 | | | 6 |
| Case Number | | | | Mark Hall Street Contract on Contract C | | 8.3 | 1.0 |) | 4.0 | | | | 6.0 | | | 8.0 |
| Phase Duration | | | | | | 42.0 | 14. | 0 | 56.0 | | | | 30.0 | | | 30.0 |
| Change Period, | | | | | | 7.0 | 7.0 |) | 7.0 | | | | 7.0 | | | 7.0 |
| Max Allow Head | | | N-866-AP | | | 3.2 | 3. | | 3.2 | | | | 3.2 | | | 0.0 |
| Queue Clearand | AP Challes Chillian Survey in horizon | aler de la la companya de la companya de companya de la companya del la companya de la companya | VOIDATA MARIETTA TRANSPORTA | | | 17.2 | 5.6 | | 7.3 | | OFFE THE STATE OF | | 11.9 | | THE REAL PROPERTY OF THE PARTY | |
| Green Extension | | (ge), s | | | | 1.3 | 0.0 | | 1.3 | | | | 0.5 | | | 0.0 |
| Phase Call Prob | | | | | | 1.00 | 1.0 | | 1.00 | | | | 1.00 | | | |
| Max Out Probab | oility | | | | | 0.00 | 1.0 | 0 | 0.00 | | | | 0.00 | | | |
| Movement Gro | un Poe | ulte | | 1 | EΒ | | П | VVE | , | П | | NB | <u> </u> | ři – | | |
| Approach Move | | uico | *************************************** | L. | T | R | L. | T | R | | ı | T | R | | SB I T | R |
| Assigned Mover | | | | 7 | 4 | 14 | 3 | 8 | 18 | | 5 | 2 | 12 | 1 | 6 | 16 |
| Adjusted Flow R | | \ veh/h | | | 412 | | 126 | 217 | | _ | 223 | 129 | 12 | | 0 | 10 |
| Market Market Company of the Company | | w Rate (s), veh/h/lr | n l | | 1813 | | 1709 | 186 | | | 1688 | 1544 | | | 0 | |
| Queue Service | CONTRACTOR OF THE PARTY OF THE | The state of the s | | | 0.0 | | 3.1 | 4.8 | | | 9,4 | 5.7 | | | 0.0 | |
| Cycle Queue Cl | | | | | 14.7 | | 3.1 | 4.8 | | | 9.4 | 5.7 | <u> </u> | | 0.0 | |
| Green Ratio (g/ | | | | | 0.42 | | 0.54 | 0.58 | | | 0.28 | 0.28 | | | 7.0 | |
| Capacity (c), ve | eh/h | | | | 801 | | 487 | 108 | week of the second | T | 555 | 431 | | | | |
| Volume-to-Capa | city Rat | tio (X) | *************************************** | | 0.514 | *************************************** | 0.259 | 0.20 | 201727-1-1 | | 0.402 | 0.300 | | | 0.000 | |
| Back of Queue (| Q), ft/ | /ln (95 th percentile) |) | | 255 | ĺ | 50 | 78 | | | 167 | 92 | | | 0 | |
| Back of Queue (| Q), ve | h/ln (95 th percentil | e) | | 10.1 | | 1.9 | 3.1 | | | 6.6 | 3.6 | | | 0.0 | |
| Queue Storage | Ratio (/ | RQ) (95 th percenti | le) | | 0.00 | | 0.00 | 0.00 |) | | 0.00 | 0.00 | | | 0.00 | |
| Uniform Delay (| d 1), s/ | veh | | | 18.8 | | 11.8 | 8.5 | | | 25.7 | 24.4 | CONTRACTOR PRODUCTION | | | |
| Incremental Dela | ay (d 2 |), s/veh | | | 0.3 | | 0.1 | 0.0 | | | 0.2 | 0.1 | | | 0.0 | |
| Initial Queue De | lay (da | a), s/veh | | | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 | | | 0.0 | |
| Control Delay (| d), s/ve | h | | ĺ | 19.1 | | 11.9 | 8.6 | | | 25.9 | 24.5 | | | | |
| Level of Service | | | | | В | | В | A | | | С | С | | | | |
| Approach Delay, | · · · · · · · · · · · · · · · · · · · | The second secon | | 19.1 | | В | 9.8 | | Α | | 25.4 | | С | 0.0 | | |
| Intersection Dela | ay, s/vel | h/LOS | | | | 1 | 8.2 | | | | | | | В | | |
| di- | | | | | | | N. | | | | | | | | | |
| Multimodal Res | | | | AND THE RESERVE OF THE PERSON NAMED IN COLUMN 1 | EB | E William Loberton Tourism | | WE | TENER COLUMN | | | NB | | | SB | - |
| Pedestrian LOS | | The second secon | | 1.91 | | В | 1.66 | | В | | 1.92 | | В | 1.77 | | В |
| Bicycle LOS Sco | re / LO | 8 | | 1.17 | | Α | 1.05 | 5 | Α | | 1.07 | | Α | 0.49 | | Α |

APPENDIX G Build Capacity/LOS Analysis Worksheets

| P-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1 | | HC | S Sigi | nalize | d Inte | ersec | tion F | Resul | ts Su | nmar | У | | | | |
|--|--|--|--|---|-----------------------|---------------------------|--|--|--|--|-----------|--|-------------------|--------------------|-----------------------------|
| | | | | | | | | | | | W. Co | | | | |
| General Inform | nation | | | | | | | | Interse | ction In | format | ion | | 14 7 4 1 | F C |
| Agency | | Horner & Canter As | SSOC | 7/ | | | | | Duration | ո, h | 0.25 | 0 | | . ∤↓ | |
| Analyst | | DHH | | Analy | sis Dat | e Jul 7, | 2025 | | Area Ty | ре | Othe | er | <u>4</u> | | <u>⊼</u> 5- |
| Jurisdiction | | Perkasie Borough | | Time | Period | AM P | eak Ho | ur | PHF | VI. Till till im der had bed in som men | 0.93 | | <u></u> | -M+E | |
| Urban Street | | | | Analy | sis Yea | r 2028 | Build | | Analysis | Period | 1> 7 | :00 | <u>-</u> | | Ę |
| Intersection | | Constitution Ave/Pe | erkasi | File N | ame | Cons | titution. | Ave_P | erkasie S | Square_ | ba.xus | | | 111 | |
| Project Descrip | tion | 25-038 Perkasie Pl | ace | | | | | | | | | | | <u>ነ ቁርተ</u> ቀነነ | ት ፖ |
| Demand Inform | nation | | | 1 | EB | | T | W | R | | NB | 1 | 1 | SB | |
| Approach Move | | 2//// | | | l T | R | L. | 1 7 | | | T | R | L | ов Т | l R |
| Demand (v), v | | | | 7 | 0 | 10 | 68 | + 6 | | 4 | 118 | | | 164 | 1 4 |
| Demaria (V), V | O I I I I | | | H | 1 | 1 10 | <u> </u> | _10 | | 1 4 | 1 110 | , 1 30 | /3 | 104 | _ 4 |
| Signal Informa | ition | | | | | | | | R.J | ĺ | | | | | |
| Cycle, s | 85.0 | Reference Phase | 2 | | EC 23 | BASE | | 41947 | | | | <u>.</u> ا | N/A | | |
| Offset, s | 0 | Reference Point | End | Green | | 7.0 | 27.0 | 12 | 0 0.0 | 0.0 | | 1 | 2 | 3 | Y 4 |
| Uncoordinated | Yes | Simult. Gap E/W | On | Yellow | | 4.0 | 4.0 | 4.0 | | 0.0 | | ₹ | 人 | | - |
| Force Mode | Fixed | Simult. Gap N/S | Ön | Red | 2.0 | 2.0 | 2.0 | 2.0 | | 0.0 | |] 5 | 6 | 7 | 8 |
| | | | | | | | | | | | | | | | |
| Timer Results | | | | EBI | - | EBT | WE | IL | WBT | NB | L | NBT | SB | L | SBT |
| Assigned Phase | = | | | | | 4 | | | 8 | 5 | | 2 | 1 | | 6 |
| Case Number | | ZdM-> C+uA | | | | 8.0 | | | 7.0 | 1.1 | | 3.0 | 1.1 | | 4.0 |
| Phase Duration | , S | Tell Article 2013 (Alle for tabella menero minerale ancienta de la companya de la companya de la companya de l | | | | 26,0 | OVID-SEASON SINGLE | | 26.0 | 13.0 |) | 33.0 | 26.0 |) | 46.0 |
| Change Period, | (Y+R | ;), s | | | | 6.0 | | | 6.0 | 6.0 | | 6.0 | 6.0 | | 6.0 |
| Max Allow Head | lway (N | <i>1AH</i>), s | | | | 3.5 | | | 3.5 | 3.1 | | 3.1 | 3.1 | | 3.1 |
| Queue Clearan | ce Time | (gs), s | | | | 3.2 | | | 6.3 | 2.6 | | 6.7 | 4.1 | | 7.4 |
| Green Extensio | n Time (| (ge), s | | | | 0.3 | \$ | | 0.2 | 0.0 | | 0.6 | 0.1 | İ | 0.6 |
| Phase Call Prob | ability | | | | | 1.00 | | | 1.00 | 1.00 |) | 1.00 | 1.00 | | 1.00 |
| Max Out Probat | oility | | | | | 0.00 | | | 0.00 | 0.03 | 3 | 0.00 | 0.00 |) | 0.00 |
| | | | | | | | | | | | | | | | |
| Movement Gro | CONTRACTOR OF THE PARTY OF THE | ults | | OCCUPANTIZATION CONTROL | EB | - | | WB | | | NB | | | SB | Securitaria managam managam |
| Approach Move | | | | L | T | R | L | T | R | L. | T | R | <u>L</u> | Т | R |
| Assigned Move | | | | 7 | 4 | 14 | 3 | 8 | 18 | 5 | 2 | 12 | 1 | 6 | 16 |
| Adjusted Flow F | and the second s | | | | 18 | | | 73 | 49 | 4 | 127 | 49 | 78 | 181 | |
| | | w Rate (s), veh/h/li | 1 | | 1640 | | | 1311 | 1508 | 1750 | 1837 | 1594 | 1714 | 1792 | |
| Queue Service | - | | | | 0.0 | | | 3.1 | 2.2 | 0.1 | 4.2 | 1.8 | 1.6 | 4.9 | |
| Cycle Queue Cl | | Time (g_c) , s | | | 0.7 | | | 3.8 | 2.2 | 0.1 | 4.2 | 1.8 | 1.6 | 4.9 | |
| Green Ratio (g/ | OTTO MAKE THE PARTY OF THE PART | | | | 0.25 | | de particular de la composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della composition della compositio | 0.25 | 0.25 | 0.42 | 0.33 | 0.33 | 0.61 | 0.48 | |
| Capacity (c), vo | CONTRACTOR OF THE PARTY OF THE | | | | 465 | | | 409 | 373 | 646 | 605 | 525 | 867 | 865 | - |
| Volume-to-Capa | | | | | 0.039 | | | 0.179 | | 0.007 | 0.210 | 0.094 | 0.091 | 0.209 | |
| And a company of the | Carles Investors Committee | [/] in (95 th percentile) h/ln (95 th percentil | mandenienie | | 13 0,5 | | | 56 2.2 | 36 1.4 | 2 0.1 | 78 3.1 | 30 1.2 | 23 | 83 | |
| to the company of the | Emerican Anna Communication Co | RQ) (95 th percenti | MARKET THE PARTY OF THE PARTY O | | 0.00 | | | | and the same of th | Service and the service and th | 0.00 | Communication of the Communica | 0.9 | 3.3 | |
| Uniform Delay (| The state of the s | | 10) | | 24.3 | and the second support of | *************************************** | 0.00 25.5 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | |
| Incremental Delay | | | | | 0.0 | | | | | 14.2 | 20.9 | 19.7 | 7.2 | 12.7 | |
| Initial Queue De | CONTRACTOR OF THE PARTY OF THE | | | | 0.0 | | | 0.1 | 0.1 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | |
| Control Delay (| Contract Contract on purpose programmers. | | | | 24.4 | | CONTRACTOR OF THE STREET | 25.6 | 25.0 | 14.2 | | 2400 | 0.0 | 0.0 | |
| Level of Service | | II | | *************************************** | 24.4 C | | | 25.6 C | 25.0 C | 14.2 B | 20.9 C | 19.8 B | 7.2 A | 12.7 B | |
| Approach Delay | | LOS | | <u>1</u> 24.4 | | С | 25.3 | | C | 20.4 | | C . | 11.0 | | В |
| Intersection Dela | CONTRACTOR OF THE PARTY OF THE | | | 47.7 | <u> </u> | 17 | | | J | 20.4 | | | <u> 11.0</u> В | | י ן |
| | | 200 | i i | | | 17 | • 1 | | | 1 | | | U | 18. | |
| Multimodal Res | sults | | | | EB | | | WB | | | NB | | | SB | |
| Pedestrian LOS | | LOS | | 2.13 | and annual parameter, | В | 1.93 | THE PARTY OF THE P | В | 1.94 | | В | 1.67 | | В |
| Bicycle LOS Sco | METALONICA PROPRIOTAL | ng paramagan a namanalah karamanan labaran mendilak dara mena | | 0.52 | | A | 0.69 | Charles Street, Communication of the Communication | A | 0.79 | | A | 0.92 | | A |
| | | | B | | | | | | | * | | | 4 | | |

| | | HC | S Sia | nalize | d Int | erse | ctio | n Re | sult | ls Sur | nmar | v | | | | |
|---|--|--|--|----------|---|--|---|---|----------|----------|---|--|----------|--------------|-------------|--|
| | | 9(| 3 | | | | | | | .0 0 41 | ······ | J | | | | |
| General Inform | nation | | | | 45.00 | | | | ſ | Interse | ction In | format | ion | | 2424 | 1 1- 1 |
| Agency | | Horner & Canter A | SSOC | | *************************************** | | | | | Duration | *************************************** | 0.25 | - | | 4, | |
| Analyst | | DHH | | Analy | sis Dat | e Jul | 7. 20 | 25 | | Area Ty | | Othe | | | | \ 4 |
| Jurisdiction | | Perkasie Borough | | <u>-</u> | Period | | | K Hour | | PHF | , , , , , , , , , , , , , , , , , , , | 0.97 | / | — ; , | ν∔ε | - 5 |
| Urban Street | <u> </u> | , , , , , , , , , , , , , , , , , , , | | | sis Yea | | 8 Bui | | | Analysis | S Period | THE RESERVE AND ADDRESS OF THE PERSON NAMED IN | ·nn | <u></u> | • | 7 |
| Intersection | *************************************** | Constitution Ave/Pe | erkasi | File N | | | *************************************** | | | rkasie S | d) Oraclinia de la compa | | .00 | | | |
| Project Descrip | tion | 25-038 Perkasie Pl | | J | | 100. | | | <u> </u> | madic c | oqualo_ | . Бр. жио | | | 1 4 1 4 5 | SANGERGEREES A |
| | | | | | | | | | | | | | | | | |
| Demand Inform | nation | | | | EΒ | | | | WB | } | | NB | l | | SB | |
| Approach Move | ement | | ************************************** | L | Т | R | | L, | T | R | L | T | l R | L | ΙT | l R |
| Demand (v), v | eh/h | | | 13 | 1 | 11 | ı | 118 | 3 | 188 | 4 | 234 | 142 | 169 | 163 | |
| | | | | | | | | | | | 9 | | | | | |
| Signal Informa | | | | | 7 | | ba é | W. | - | | | | | | | -3.5 |
| Cycle, s | 111.0 | Reference Phase | 2 | | 73 | | | 517 | | 201 | | | ` | V | | -4 |
| Offset, s | 0 | Reference Point | End | Green | 7.0 | 7.0 | | 48.0 | 25.0 | 0.0 | 0.0 | | | | 3 | 24 4 K |
| Uncoordinated | Yes | Simult. Gap E/W | On | Yellow | 4.0 | 4.0 | 4 | 4.0 | 4.0 | 0.0 | 0.0 | | ጚ∖⊬ | ⅓ | | ₩ |
| Force Mode | Fixed | Simult. Gap N/S | On | Red | 2.0 | 2.0 | [2 | 2.0 | 2.0 | 0.0 | 0.0 | | 6 | 6 | 7 | 8. |
| | | | | | | | | | | | | | | | | |
| Timer Results | W-11-1 | | | EBI | _ | EBT | | WBL | | WBT | NB | L | NBT | SB | L | SBT |
| Assigned Phase | е | 14.2 | | | | 4 | | ····· | | 8 | 5 | | 2 | 1 | | 6 |
| Case Number | | | | | - | 8.0 | | aii — ervanoany | | 7.0 | 1.1 | | 3.0 | 1.1 | | 4.0 |
| Phase Duration | announcement and inches | | | | | 31.0 | | | | 31.0 | 13. | | 54.0 | 26. | | 67.0 |
| Change Period, | | | | | | 6.0 | | | _ | 6.0 | 6.0 | **** | 6.0 | 6.0 | | 6.0 |
| Max Allow Head | MALE PROPERTY AND ADDRESS OF THE PARTY AND ADD | | | <u> </u> | | 3.5 | | ~~~~ | | 3.5 | 3.1 | | 3.1 | 3.1 | | 3.1 |
| Queue Clearan | TOTAL PROPERTY AND | | *************************************** | | | 3.7 | | gy) present troops to the | | 12.1 | 2.6 | | 11.9 | 6.9 | | 7.7 |
| Green Extensio | TAXABLE VALUE OF THE OWNER, THE O | (<i>g</i> ⊕), s | | | | 0.7 | | | | 0.6 | 0.0 | | 1.0 | 0.2 | | 1.0 |
| Phase Call Prot | | | - | | | 1.00 | | | | 1.00 | 1.0 | | 1.00 | 1.00 | | 1.00 |
| Max Out Probab | ollity | | | | | 0.00 | 1 | | | 0.00 | 0.0 | 3 | 0.00 | 0.00 | 0 | 0.00 |
| Movement Gro | un Rae | ulte |] | | EB | | 11 | | WB | | M . | NID | | n - | CD. | |
| Approach Move | 60000000000000000000000000000000000000 | UILO | | L. | T | R | | LI | T | R | 1 | NB T | R | 1 1 | SB T | |
| Assigned Move | | | | 7 | 4 | 14 | _ | 3 | 8 | 18 | 5 | 2 | 12 | L 1 | | R |
| Adjusted Flow F | | \ veh/h | | | 26 | 1-1 | | | 125 | 153 | 4 | 241 | 115 | 174 | 6 172 | 16 |
| | · | w Rate (s), veh/h/li | n | | 1653 | | Language Control | | 1361 | 1508 | 1750 | 1837 | 1619 | 1714 | 1792 | |
| Queue Service | *************************************** | | | | 0.0 | | | | 7.3 | 9.6 | 0.1 | 9.4 | 4.8 | 4.4 | 5.2 | |
| Cycle Queue Cl | 711111111111111111111111111111111111111 | | | | 1.2 | | ╫ | | 8.6 | 9.6 | 0.1 | 9.4 | 4.8 | 4.4 | 5.2 | |
| Green Ratio (g/ | Market Street, | 7 mile (9 c), 3 | | | 0.23 | | | | 0.0 | 0.23 | 0.51 | 0.44 | 0.44 | 0.65 | 0.56 | |
| Capacity (c), v | halada a Aleksa da a a a a a a a a a a a a a a a a a | The second secon | | | 436 | | 1 | | 383 | 353 | 735 | 811 | 715 | 802 | 1001 | |
| Volume-to-Capa | *** | tio (X) | | | 0.059 | | | | .326 | 0.432 | 0.006 | 0.297 | 0.162 | 0.217 | 0.172 | |
| 1.0.00.00.00.00.00.00.00.00.00.00.00.00. | | /in(95 th percentile) |)) | | 25 | | | | 132 | 165 | 2 | 177 | 79 | 66 | 90 | 1 |
| Advant/mandrat/manananga mananavefina menan | | h/ln (95 th percentil | | | 1.0 | | | THE PERSON NAMED IN COLUMN | 5.3 | 6.6 | 0.1 | 7.1 | 3.2 | 2.6 | 3.6 | - |
| ************************************** | ATMETER CARE SMITHERMAN | RQ) (95 th percenti | THE PROPERTY OF THE PARTY OF TH | | 0.00 | | | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Uniform Delay (| annematic succession distributions | | , | | 33.0 | | - | CHERTINE STORY | 35.8 | 36.2 | 13.2 | 20.2 | 18.6 | 8.2 | 12.0 | |
| Incremental Del | | | | | 0.0 | | 1- | | 0.2 | 0.3 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 1 |
| Initial Queue De | **************************** | | *************************************** | | 0.0 | | 1- | | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | |
| Control Delay (| | A STATE OF THE PARTY OF THE PAR | | | 33.0 | W. Till Till Market Street, and and | | *************************************** | 36.0 | 36.5 | 13.2 | 20.3 | 18.7 | 8.2 | 12.0 | |
| Level of Service | | energy (Commenced Control of the Additional Administration Commenced Commenc | | | C | ************************************** | 1 | | D.0 | D | В | C C | В | A | 12.0 B | |
| Approach Delay | | LOS | | 33.0 | ~~~~ | C | | <u>l</u> 36.3 | ī | D | 19.7 | | В | 10.1 | | В |
| Intersection Dela | TATABLE TO SERVICE STATE OF THE SERVICE STATE OF TH | State also a large of the property of the second control of the se | | | | | 1.3 | | | _ | | | | C 10.1 | | 2 |
| | ,, -,, | | Į. | | | | | | | | 1 | | | | | |
| Multimodal Res | sults | (| | | EB | | | 1 | WB | | | NB | | | SB | |
| Pedestrian LOS | | LOS | T I | 2.17 | *************************************** | В | | 1.94 | | В | 1.97 | | В | 1.67 | | В |
| Bicycle LOS Sco | ore / LO | S | | 0.53 | | Α | -6 | 0.95 | *** | Α | 1.08 | | A | 1.06 | | A |
| | | | | | | | | | | | · | | ? | * | | |

| . , | | HC | S Sig | nalize | ed In | ters | sect | ion F | Resi | ılts | Sur | nmar | v | | | | |
|--|--|--|--|---|--------------|----------|------------|--------------------|----------|-----------------------|---|------------|--|-------------|--|--|---|
| 6.0 | | | | | | | 1. 1 | | | | | | , | | | | |
| General Inforn | nation | | | | | | | | | Inte | ersec | tion In | formati | ion | | 7 4 7 4. | 144 |
| Agency | | Horner & Canter As | SSOC | | | | | | | Dur | ration | , h | 0.25 | 0 | | الد | |
| Analyst | | DHH | | Analy | rsis Da | ite J | Jul 7, | 2025 | | Are | а Тур | ре | Othe | er | <u></u> | | |
| Jurisdiction | and the land of th | Perkasie Borough | | Time | Period | ı [s | SAT F | eak Ho | our | PHI | F | | 0.92 | | <u> </u> | พูใ้เ | |
| Urban Street | · | | | Analy | ⁄sis Ye | ar 2 | 2028 | Build | | Ana | alysis | Period | 1> 7 | :00 | 3 | | 7 |
| Intersection | | Constitution Ave/Pe | erkasi | File N | lame | | Const | itution / | Ave_I | ^o erka | sie S | quare_ | bs.xus | | | 5 1 | ' ا |
| Project Descrip | tion | 25-038 Perkasie Pl | ace | ORANI PRO PRO PARA DE ANTO | | | | | | | | | | | | প্ৰ প্ৰ | <u>የ</u> ተተፈ |
| | | | | н | | | | | | | | | | | | | |
| Demand Inform | | | | <u> </u> | E | 3 | | | | VB | | | NB | | | SB | www.gworenzameronco. |
| Approach Move | | | | L | _ | | R | L | | T | R | L | Ţ | R | L | T | R |
| Demand (v), v | eh/h | | | 6 | 0 | | 15 | 92 | | 2 | 172 | 4 | 164 | 125 | 147 | 149 |) 2 |
| Signal Informa | tion | | | 1 | 1 1 | | m | 110 | | | | 1 | | - I | - 1 | | ı — |
| Cycle, s | 85.0 | Reference Phase | 2 | 1 | 1 3 | 4 6 | W | ed b | | | | | | | KD | | x |
| Offset, s | 00.0 | Reference Point | End | 1 | R | | | N. | γË | a es | | | | 1 | 2 | ā | ₹ 4 |
| Uncoordinated | Yes | Simult. Gap E/W | On | Greer | | | 7.0 | 27.0 | | 0.0 | 0.0 | 0.0 | | _ | | | S |
| Force Mode | Fixed | Simult. Gap E/W | On | Yellov Red | v 4.0 2.0 | | 4.0 2.0 | 4.0 2.0 | 4. 2. | | 0.0 | 0.0 | CAPAGE STATE OF TH | ` `! | 177 | | Y |
| Torce Mode | i ixed j | Official Gap 1975 | Oil | INeu | 12.0 | | 2.0 | 2.0 | 12. | Ü | 0.0 | 10.0 | 18,00,00 | 1° | 6 | / | |
| Timer Results | | | | EB | , 1 | EB | r I | WB | , 1 | WE | DΤ | NB | . 1 | NDT | W 60 | , [| CDT |
| Assigned Phase | <u> </u> | | | LD | | 4 | | VVD | - | 8 | | 1ND 5 | L. | NBT 2 | SB | <u> </u> | SBT 6 |
| Case Number | * ************************************ | | | | | 8.0 | | | | 7.0 | | 1.1 | | 3.0 | 1,1 | 1 | |
| Phase Duration | C | and the second s | manual and a constant | | | 26. | - | | | 26. | - | 13.0 | ammenana kasatan s | 33.0 | 26. | THE RESERVE THE PERSON NAMED IN COLUMN | 4.0 |
| Change Period, | | .) c | | | | 6.0 | | | | 6.0 | | | | 6.0 | <u> </u> | | 46.0 |
| | | | | | | 3.6 | | | | 3.6 | | 6.0 3.1 | | 3.1 | 6.0 | | 6.0 |
| *************************************** | Allow Headway (<i>MAH</i>), s ue Clearance Time (<i>g</i> s), s | | | | | 3.4 | | | | 9.5 | | 2.6 | | 8.6 | 3.1 5.9 | | 3.1 |
| Green Extension | Company of the Average of the Averag | | ne | | | 0.6 | | | | 0.5 | *************************************** | 0.0 | - Samuel Samuel | 0.8 | <u> </u> | - | 7.0 |
| Phase Call Prob | VIII. | (90),0 | | | | 1.00 | | | | 1.0 | | 1.00 | | 1.00 | 0.2 1.00 | | 0.8 1.00 |
| Max Out Probab | | | | | | 0.0 | | | | 0.0 | | 0.03 | · | 0.00 | 0.00 | | 0.00 |
| | 7111cy | | | | | 0.0 | U H | | I | 0.0 | | 0.00 | | 0.00 | g 0.00 | , | 0.00 |
| Movement Gro | up Res | ults | | | EB | <u> </u> | | | WE | 3 | | | NB | | | SB | |
| Approach Move | ment | | | L | Т | | R | L | ΙT | | R | L | T | R | L | ĺΤ | R |
| Assigned Mover | nent | | | 7 | 4 | 1 | 14 | 3 | 8 | | 18 | 5 | 2 | 12 | 1 | 6 | 16 |
| Adjusted Flow R | ate (v) |), veh/h | The Control of the Co | CONTRACTOR OF THE PARTY OF THE | 23 | | | danka kanan papa g | 102 | enement of the second | 49 | 4 | 178 | 98 | 160 | 164 | |
| Adjusted Satura | tion Flo | w Rate (s), veh/h/lı | 1 | | 1651 | | | | 135 | 5 15 | 508 | 1750 | 1837 | 1619 | 1714 | 1782 | |
| Queue Service | Fime (g | 's), S | | | 0.0 | | | | 4.4 | 7 | 7.0 | 0.1 | 6.1 | 3.7 | 3.4 | 4.5 | |
| Cycle Queue Cle | earance | Time (g_c), s | | | 0.9 | | | | 5.2 | 7 | 7.0 | 0.1 | 6.1 | 3.7 | 3.4 | 4.5 | |
| Green Ratio (g/ | (C) | | | | 0.25 | | | | 0.2 | 5 0. | .25 | 0.42 | 0.33 | 0.33 | 0.61 | 0.48 | |
| Capacity (c), ve | eh/h | | | | 462 | | | | 419 |) 3 | 73 | 652 | 605 | 533 | 824 | 859 | |
| Volume-to-Capa | city Rat | io (<i>X</i>) | | | 0.049 | | | | 0.24 | 4 0.4 | 400 | 0.007 | 0.295 | 0.183 | 0.194 | 0.191 | |
| Back of Queue (| Q), ft/ | 'In (95 th percentile) | | | 16 | | | | 78 | 1 | 17 | 2 | 114 | 60 | 49 | 75 | |
| Back of Queue (| Q), ve | h/ln (95 th percentil | e) | | 0.7 | | | | 3.1 | 4 | 1.7 | 0.1 | 4.5 | 2.4 | 2.0 | 3.0 | |
| Annual Control of the | THE RESERVE OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN | RQ) (95 th percenti | le) | | 0.00 | | | | 0.00 | 0. | .00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| Uniform Delay (| d 1), s/\ | veh | | | 24.4 | | | | 26.1 | 26 | 6.7 | 14.2 | 21.5 | 20.3 | 7.8 | 12.5 | |
| Incremental Dela | remental Delay (d ₂), s/veh | | | | | | | | 0.1 | 0 |).3 | 0.0 | 0.1 | 0.1 | 0.0 | 0.0 | |
| Initial Queue De | lay (<i>d</i> з |), s/veh | | | 0.0 | | | | 0.0 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0,0 | |
| Control Delay (| /), s/ve | h | | | 24.4 | | | | 26.2 | 2 27 | 7.0 | 14.2 | 21.6 | 20.4 | 7.8 | 12.6 | |
| Level of Service | (LOS) | | | С | ľ | | | С | | С | В | С | С | Α | В | | |
| Approach Delay, | s/veh / | | 24.4 | - | С | | 26.7 | | С | | 21.1 | Ì | С | 10.2 | : | В | |
| Intersection Dela | ıy, s/vel | r/LOS | | | | | 18. | 8 | | | | | | | В | | *************************************** |
| | | | ii. | | | | | | | | | | | | | | |
| Multimodal Res | | | | | EB | | | | WB | | | | NB | | CONTROL OF THE PARTY OF THE PAR | SB | |
| Pedestrian LOS | Assignment of the Communication of the Communicatio | | | 2.17 | | В | | 1.93 | | В | | 1.97 | | В | 1.67 | | В |
| Bicycle LOS Sco | re / LO | S | | 0.53 | | Α | | 0.90 | | Α | | 0.95 | | Α | 1.02 | | Α |

| | | НС | S Sig | nalize | ed l | nte | rsec | tion F | Resu | ılts | Sur | nmar | V | | | | | |
|--|---|--|---|---|--|--------------------|--|------------|---------------|--------|-------------------|----------|---|-------------|-----------|--------------------------------|----------|--|
| | | | | | | | | | | | | | | | | | | |
| General Inform | | | | | | | | ersec | tion In | format | ion | | 1424 | TIFLE | | | | |
| Agency | | | | | | | Du | ration | ı, h | 0.25 | iO | | | | | | | |
| Analyst DHH | | | | | Analysis Date Jul 7, 2025 | | | | | Are | еа Туј | эе | Othe | er er | T 🖥 | | <u>ì</u> | |
| Jurisdiction Perkasie Borough | | | | | Time Period AM | | | | Peak Hour PHF | | | | 0.90 | | | wie | <u>`</u> | |
| Urban Street | | | | | sis Y | ⁄ear | 2028 | Build | - Wardman | Ana | alysis | Period | 1> 7 | 1> 7:00 | | | Ī | |
| Intersection Constitution Ave/Walnut | | | | | lame |) | Cons | titution | Ave_\ | Valni | ut Str | eet_ba. | xus | | *** | ነ ነ ነ | | |
| Project Descrip | | | | *************************************** | | | | *** | 1,0 | | | 有用其例的形式 | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| Demand Inform | EB | | | | ······ | V | VB | | | , NE | 3 | | SB | MANAL SALA | | | | |
| Approach Move | L | | Т | R | L | | T R | | L | T | R | L | T | R | | | | |
| Demand (v), v | eh/h | | | 1 | 2 | :05 | 147 | 59 | 1 | 62 | 1 | 114 | 0 | 53 | 0 | 0 | 0 | |
| Signal Informa | tion | | | 1 | | n . | , | . 1 | | | , | 1 | | | 1 | | | |
| Cycle, s | 86.0 | Reference Phase | l a | | - 1 | i Na | | 4.7 | | | | | | | | J | | |
| Offset, s | 0 | Reference Point | 2 | 1 | | | | | | | | | | - 1 | 2 | 3 | ₹ 4 | |
| Uncoordinated | Yes | Simult. Gap E/W | End | Greer | | | 7.0 | 35.0 | | | 0.0 | 0.0 | 35.0 | | 71000 100 | | K | |
| Force Mode | Fixed | Simult. Gap E/W | On On | Yellov Red | v 4.0 3.0 | | 4.0 3.0 | 4.0 3.0 | 0. 0. | | 0.0 | 0.0 | | ¥. | Į¥ | | Y | |
| 1 orce wode | Tixeu | Sinuit. Gap 19/5 | Oll | Reu | 13.0 | J | 13.0 | 13.0 | 10. | U | 0.0 | 0.0 | | - 3 | 6 | 1 | 8 | |
| Timer Results | | | | EB | 1 | F | BT | l we | ı İ | WI | ВT | NB | i I | NBT | l er | a 1 | SBT | |
| Assigned Phase | <u> </u> | | | EDL | | 4 | | 3 | WBL | | 3 | 140 | <u> </u> | 2 | SBL | | 6 | |
| Case Number | | | | | | 8.3 | | 1.0 | | | 0.00 | | | 6.0 | | | 8.0 | |
| Phase Duration | S | economic Company (New York) | CANADA AND AND AND AND AND AND AND AND AN | | | CUATED DANGE | 2.0 | 14. | | | DASSESSON WARRANT | | | 30.0 | | | 30.0 | |
| Change Period, | | s) s | | | | | .0 7. | | | 7.0 | | | | 7.0 | | | 7.0 | |
| | | | | | | | .2 | <u></u> | 3.1 3.2 | | | | | 3.1 | | | 0.0 | |
| Max Allow Headway (<i>MAH</i>), s Queue Clearance Time (<i>g</i> s), s | | | | | | | 4.8 | 4.2 | | 6.4 | | | | 7.8 | | | 0.0 | |
| Green Extension Time (g_e), s | | | | | Santana and the santana and th | | .1 | 0.0 | | 1.1 | | | Tilleterifato creema | 0.3 | | | 0.0 | |
| Phase Call Probability | | | | | | 100° | 00 | 1.0 | | 1.0 | | | | 1.00 | | | 0.0 | |
| Max Out Probab | <u>.</u> | | | | | | 00 | 1.0 | | 0.0 | | | | 0.00 | | | | |
| | , | | | 1 | | | | | | | | 1 | | 0.00 | И | | | |
| Movement Gro | up Res | ults | | | Е | В | W | | WE | 3 | | | NB | | | SB | | |
| Approach Move | ment | | | L | T | | R | L | Т | | R | L | T | R | L | T | R | |
| Assigned Move | ment | | | 7 | 4 | | 14 | 3 | 8 | | 18 | 5 | 2 | 12 | 1 | 6 | 16 | |
| Adjusted Flow F | Rate (v |), veh/h | | | 35 | 3 | | 66 | 181 | | | 127 | 59 | | | 0 | | |
| Commence of the Commence of th | | w Rate (s), veh/h/lı | າ [| | 178 | 37 | 111 F 11 11 11 11 11 11 11 11 11 11 11 1 | 1587 | 186 | 4 | | 1607 | 1483 | | | 0 | | |
| Queue Service | | THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED AND ADDRESS O | | | 0.0 | 0 | | 1.7 | 3.9 | | | 5.3 | 2.6 | | | 0.0 | | |
| Cycle Queue Cl | CONTRACTOR DESCRIPTION OF THE PERSON OF THE | Time $(g \circ)$, s | | | 12. | .3 | | 1.7 | 3.9 | | | 5.3 | 2.6 | | | 0.0 | | |
| Green Ratio (g/ | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | | | 0.4 | | | 0.54 | 0.58 | | | 0.28 | 0.28 | | | | | |
| Capacity (c), ve | weenense van belieben van | and the second second second second second second second second second second second second second second second | | | 79 | | - Proposition of the Proposition | 498 | 108 | _ | | 532 | 414 | | | 240024000 | | |
| Volume-to-Capa | | | | | 0.4 | | | 0.132 | 0.16 | | | 0.238 | 0.142 | | | 0.000 | | |
| Back of Queue (| | 22 | | | 27 | 64 | | | 94 | 42 | | | 0 | | | | | |
| Back of Queue (Q), veh/ln (95 th percentile) | | | | | 8.6 | THE REAL PROPERTY. | etroacene eant | 1.0 | 2.5 | | | 3.5 | 1.6 | | | 0.0 | | |
| Queue Storage Ratio (RQ) (95 th percentile) | | | | | 0.0 | | | 0.00 | 0.00 | | | 0.00 | 0.00 | | | 0.00 | | |
| Uniform Delay (d 1), s/veh | | | | | 18. | | | 10.8 | 8.3 | | | 24.3 | 23.3 | | | <u> </u> | | |
| Incremental Delay (d 2), s/veh | | | | | 0.1 | | | 0.0 | 0.0 | | | 0.1 | 0.1 | | | 0.0 | | |
| Initial Queue Delay (d 3), s/veh Control Delay (d), s/veh | | | | | 0.0 | - | | 0.0 | 0.0 | | | 0.0 | 0.0 | | | 0.0 | | |
| CONTRACTOR OF THE PROPERTY OF | | 18. | NAME OF THE OWNER, WHEN | | 10.9 | 8.4 | - | | 24.3 | 23.3 | | <u> </u> | | | | | | |
| Level of Service (LOS) Approach Delay skiph (LOS) | | | | | В | | | В | L A | 1 | | C | С | | | <u> </u> | | |
| Approach Delay, s/veh / LOS | | | | | | E | | 9.0 | | Α | | 24.0 | | С | 0.0 | | | |
| Intersection Delay, s/veh / LOS | | | | | 16.7 | | | | | | | | | В | | | | |
| Multimodal Results | | | | | <u> </u> | | ı | | WB | | H | | NB | | | SB | | |
| Pedestrian LOS | ************* | LOS | | 1.91 | | В | | 1.66 | | 3 B | | 1.92 | *************************************** | В | 1.7 | THE PERSON NAMED IN COLUMN TWO | В | |
| Bicycle LOS Sco | | CONTRACTOR OF THE CONTRACTOR OF THE TAXABLE PARTY. | | 1.07 | | 7 | mercensus message | 0.89 | | A | | 0.79 | | А | 0.49 | | A | |
| 0,0,0 _00 | 1,07 | L | | • | 0.08 | | | | 0.78 | L | ^ | 0.4 | | /\ | | | | |

| HCS Signalized Intersection Results Summary | | | | | | | | | | | | | | | | | | |
|--|--|--|--|-----------------|-----------------|-------------------|---|---------------------|--|-------------------|---|--|---|--------------|--------------|--|--|--|
| | | | # . # · | | | | | | | 4.5 | | 30 m | | | | | | |
| General Inform | | | | | | | | terse | ction In | forma | | 7 4 7.4. 10 10 10 10 10 10 10 10 10 10 10 10 10 1 | i Fil | | | | | |
| Agency | | | | | | | | uratior | n, h | 0.25 | 50 | | * | L L | | | | |
| Analyst | Analy | , 2025 | | Ar | rea Ty | pe | Oth | er | 4 | | 4 | | | | | | | |
| Jurisdiction Perkasie Borough | | | | | Perio | od | PM F | Peak Ho | ur | PH | HF | V-42000-04 | 0.96 | } | ₹ | W-E | <u> </u> | |
| Urban Street | | | | | sis Y | ear | 2028 | Build | ivin | Ar | nalysis | Period | 1> 7 | 7:00 | <u>z</u> | | Ī | |
| Intersection Constitution Ave/Walnut | | | | | ame | | Cons | titution | Ave_ | Walr | nut Str | eet_bp. | xus | | | ጎ የ | | |
| Project Description 25-038 Perkasie Place | | | | | | ale see s | | | | en resument≜ere | an and a state of the state of | | 2005 - 192 - Stan | | 为特质特殊特色 | | | |
| | | | | | l ED I | | | | | | | -1 | | _ | | | | |
| Demand Information | | | | | EB | | | | 1 | NB — | ······································ | | | 3 | | SB | | |
| Approach Movement Demand (v), veh/h | | | | | 1 218 | | R | | | T R | | L | I | | | I I | R | |
| Demand (V), V | enm | | | 11_ | 2 | 18 | 226 | 104 | +] 、 | 332 | 1 | 276 | 6 6 | 123 | 3 0 | 1 0 | 0 | |
| Signal Information | | | | | | 1 | l | . | Re I | | 1 | | | | 1 | | | |
| Cycle, s | 93.0 | Reference Phase | 2 | 1 1 | | 1 3 | | | | | | | | | KÍZ | | . A | |
| Offset, s | 0 | Reference Point | End | 1 | | 1 | | Ñ | | | | | | 1 | 2 | 3 | 3 3 4 | |
| Uncoordinated | Yes | Simult. Gap E/W | On | Green Yellow | | | 14.0 4.0 | 39.0 0.0 4.0 0.0 | | | 0.0 | 0.0 | | | 从 | | | |
| Force Mode | Fixed | Simult. Gap N/S | On | Red | 3.0 | | 3.0 | 3.0 | DEPARTMENT OF THE | . <u>0</u> .0 | 0.0 | 0.0 | TEXANDER OF THE PERSON OF THE | 5 | 4 6 | 7 | k a l | |
| 71 | | | | II . | | | Sec. 1 | 0.0 | | | , 0.0 | 10.0 | | | | | | |
| Timer Results | | | | EBI | . 1 | E | BT | WE | 3L | V | VBT | NB | L | NBT | ∥ SE | BL T | SBT | |
| Assigned Phase | 9 | | | | | | 4 | 3 | | | 8 | | | 2 | | | 6 | |
| Case Number | | | | | | 8 | .3 | 1.0 | | | 1.0 | | | 6.0 | | | 8.0 | |
| Phase Duration | , S | ANNUAL PROPERTY OF THE PROPERT | THE REAL PROPERTY OF THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TO THE PER | | | 46 | 3.0 | 21. | Chief Shire and Samuel States of the State o | | | | | 26.0 | | | 26.0 | |
| Change Period, (Y+R c), s | | | | | | 7 | '.0 | 7.0 |) | | | | | 7.0 | | | 7.0 | |
| Max Allow Head | dway (A | <i>IAH</i>), s | | | | 3 | .2 | 3.1 | | | 3.2 | | | 3.1 | | | 0.0 | |
| Queue Clearance Time (g s), s | | | | | | 17 | 7.9 | 4.8 | 4.8 | | 9.6 | | | 17.2 | | | | |
| Green Extensio | n Time | (ge), s | | | | 1 | .6 | 0.1 |),1 1 | | .6 | | | 0.2 | | The second secon | 0.0 | |
| Phase Call Probability | | | | | | 1. | 00 | 1.0 | 0 | 1. | .00 | | | 1.00 | 1 | | | |
| Max Out Probab | oility | | | | | 0. | 00 | 0.0 | 0 | 0. | .00 | | | 1.00 | | | | |
| | | | | | | | | | | | | | | | | | | |
| Movement Gro | THE PARTY OF THE P | ults | Commence of the Commence of th | | EE | | | W W | | | | | NB | | | SB | | |
| Approach Move | | | | L | Т | | R | L | <u> </u> | _ | R | L. | T | R | L | Ţ | R | |
| Assigned Mover | / | | OMERICA CONTRACTOR OF THE PARTY | 7 | 4 | | 14 | 3 | 8 | ***** | 18 | 5 | 2 | 12 | 1 | 6 | 16 | |
| Adjusted Flow F | | | | | 411 | demonstration was | | 108 | 34 | | | 288 | 134 | | | 0 | - | |
| A STATE OF THE PARTY OF THE PAR | | w Rate (s), veh/h/lr | 1 | | 182 | ************ | | 1750 | 191 | ****** | | 1714 | 1593 | | <u> </u> | 0 | | |
| Queue Service | THE RESERVE OF THE PARTY OF THE | | | | 0.0 | | | 2.3 | 7. | | | 14.7 | 6.7 | <u> </u> | | 0.0 | | |
| Croop Detic (av | ······································ | $e \text{ rime } (g_c), s$ | | | 15.4 | | | 2.3 | 7. | unceres de l'este | | 14.7 | 6.7 | | , J | 0.0 | * | |
| Green Ratio (g/ | THE RESERVE AND ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE | | | | 0.43 | | | 0.62 | 0.6 | | | 0.22 | 0.22 | <u> </u> | <u> </u> | | | |
| Capacity (c), ve | No. of Concession, Name of Street, or other Designation, Name of Street, or other Designation, Name of Street, | io (V) | | | 824 | | - | 627 | 125 | | | 446 | 343 | - | | | | |
| and a second and a | | | | | 0.49 267 | | | 0.173 35 | 0.27 | | | 0.645 | 0.392 | | | 0.000 | | |
| Back of Queue (Q), ft/in (95 th percentile) | | | | | 10.6 | _ | | 1.4 | 11 ¹ | | | 258 10.3 | 114 | - | A ANTALISMAN | 0 | | |
| Back of Queue (Q), veh/ln (95 th percentile) | | | | | 0.00 | www. | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 0.00 | 0.0 | ****** | | 0.00 | 4.6 0.00 | | | 0.0 | | |
| Queue Storage Ratio (RQ) (95 th percentile) Uniform Delay (d 1), s/veh | | | | | 19. | | | 9.2 | 6.7 | | | 34.4 | 31.3 | _ | | 0.00 | Si da Silan Tan Mahada da Assantana ar | |
| Incremental Delay (d 2), s/veh | | | | | 0.2 | | | 0.0 | 0.0 | ****** | | 2.5 | 0.3 | | | 0.0 | | |
| Initial Queue Delay (d 3), s/veh | | | | 0.0 | 777 COLUMN 1985 | - | 0.0 | 0.0 | | | 0.0 | 0.0 | | | 0.0 | | | |
| Control Delay (d), s/veh | | | | 19.7 | www.czzwa.cz | Para (mbanyoonan) | 9.2 | 6.8 | TWILE PERSON | | 36.9 | 31.6 | *************************************** | | 0.0 | | | |
| Level of Service (LOS) | | | | | В. | | | A | A | _ | | D | C | | | · | | |
| Approach Delay, s/veh / LOS | | | | | Ť | L E | 3 | 7.4 | | | 7 | 35.2 | | D D | 0.0 | | <u> </u> | |
| Intersection Delay, s/veh / LOS | | | | 19.7 | | ************ | 20 | 1 | | 1 | • | 00.2 | | | C 0.0 | | | |
| , | | | | A-0T | | | | | | | k | | | · | | | | |
| Multimodal Results | | | | | 3 | | WB | | 3 | | | NB | | | SB | | | |
| Pedestrian LOS | Score / | LOS | | 1.91 | | В | 3 | 1.64 | | E | 3 | 1.93 | THE RESERVE | В | 1.78 | | В | |
| Bicycle LOS Score / LOS | | | | | | А | \ | 1.24 | | Α | 4 | 1.18 | | Α | 0.49 | | Α | |

| HCS Signalized Intersection Results Summary | | | | | | | | | | | | | | | |
|---|--|---|---|-----------|--|---|-------------------|--|-------------|---|--|-------------------|----------|-------|-----|
| | 481 (2000) | | | | | | | | | | | | | | |
| General Information | | | | | | -0 | Inter | sec | tion In | format | | 1474 | | | |
| Agency | | | | | | | tion, | | 0.25 | | | | | | |
| Analyst | Analysis Date Jul 7, 2025 | | | | | Area | | | Othe | *** | | | Ì | | |
| Jurisdiction | _ | Period | | Peak H | our | PHF | | | 0.92 | | ÷ 33 | w# | | | |
| Urban Street | Analy | sis Yea | | Build | 2 1 | in the second second | vsis | Period | 1> 7 | | 3 | | 7 | | |
| Intersection | File N | ~~~ | | titution. | A | *************************************** | CONTRACTOR OF THE | | | | κ, | | | | |
| Project Description | | *************************************** | <u>, , , , , , , , , , , , , , , , , , , </u> | | | | | | | | ነ ተተ | የ ነር | | | |
| | | | | | | | | | | | | | | | |
| Demand Information | | EB | | | V | /B | | | NE | } | SB | | } | | |
| Approach Movement | | | L | T | R | L | - I | Г | R | L | Ţ | R | L | T | R |
| Demand (v), veh/h | | | 1 | 210 | 227 | 118 | 3 19 | 99 | 1 | 209 | 0 | 121 | 0 | 0 | 0 |
| | | | | | | | | | | | | | | | |
| Signal Information | *************************************** | | | | 1 | | | | | | 100 Aug | | | | |
| Cycle, s 86.0 | Reference Phase | 2 | | 50 | 71 | | E" | | | | | 4 | Y | ₹. | -4 |
| Offset, s 0 | Reference Point | End | Green | | 7.0 | 35.0 | 0.0 |) (| 0.0 | 0.0 | 19870 3948 | | | | Y 4 |
| Uncoordinated Yes | Simult. Gap E/W | On | Yellow | | 4.0 | 4.0 | 0.0 | | 0.0 | 0.0 | | ¥ | D | | 💝 |
| Force Mode Fixed | Simult. Gap N/S | On | Red | 3.0 | 3.0 | 3.0 | 0,0 |) (| 0.0 | 0.0 | | 5 | 6 | | 8 |
| | | | | | | | | | | | | | | | |
| Timer Results | | | EBI | - | EBT | WE | 3L | WBT | Γ_ | NB | L | NBT | SE | 3L | SBT |
| Assigned Phase | | | | | 4 | 3 | | 8 | | | | 2 | | | 6 |
| Case Number | | #IDidicaco awaran | 8.3 | 1.0 | 1.0 | |) | | | 6.0 | | | 8.0 | | |
| Phase Duration, s | | | 42.0 | 14. | 0 | 56.0 | | | | 30.0 | | | 30.0 | | |
| Change Period, (Y+Rc | | | 7 | | 7.0 | 7.0 | | 7.0 | | | | 7.0 | | | 7.0 |
| Max Allow Headway (M | <i>1AH</i>), s | | 3 | | 3.2 | 3.1 | | 3.2 | | | | 3.2 | | | 0.0 |
| Queue Clearance Time | | 17 | | 17.4 | 5.7 | | 7.3 | | | | 12.1 | | | | |
| Green Extension Time (| 1 | | 1.3 | 0.0 | | 1.4 | | 27,000 7 0 1000,100 | | 0.5 | | | 0.0 | | |
| Phase Call Probability | | | 1.00 | 1.0 | 0 | 1.00 | | | | 1.00 | | | | | |
| Max Out Probability | | | | | 0.00 | 1.0 | 0 | 0.00 | | *************************************** | | 0.00 | | | |
| | | | | | | | | | | | 96 | | | | |
| Movement Group Resu | ults | | | EB | | . WE | | | | | | | | SB | |
| Approach Movement | | | L | Т | R | L | T | R | | L | Т | R | L | T | R |
| Assigned Movement | The state of the s | | 7 | 4 | 14 | 3 | 8 | 18 | 3 | 5 | 2 | 12 | 1 | 6 | 16 |
| Adjusted Flow Rate (v) | THE RESERVE THE PROPERTY OF TH | | | 416 | 1.000 | 128 | 217 | | | 227 | 132 | | | 0 | |
| Adjusted Saturation Flov | | า | | 1811 | | 1709 | 1868 | 5 | | 1688 | 1544 | Auto-moral party. | | 0 | |
| Queue Service Time (g | | | | 0.0 | | 3.2 | 4.8 | | | 9.6 | 5.8 | | | 0.0 | |
| Cycle Queue Clearance | Time (<i>g c</i>), s | | obles franças in a navernament p | 14.9 | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 3.2 | 4.8 | | | 9.6 | 5.8 | | | 0.0 | |
| Green Ratio (g/C) | | | | 0.42 | | 0.54 | 0.58 | | | 0.28 | 0.28 | | | | |
| Capacity (c), veh/h | | | | 800 | | 484 | 1084 | 4 | | 555 | 431 | | | | |
| Volume-to-Capacity Rati | io (<i>X</i>) | and the second | | 0.520 | | 0.265 | 0.20 | 1 | | 0.410 | 0.305 | | | 0.000 |) |
| Back of Queue (Q), ft/ | | 259 | × | 50 | 78 | | | 171 | 94 | | | 0 | | | |
| Back of Queue (Q), vel | | 10.2 | | 2.0 | 3.1 | | | 6.7 | 3.7 | | | 0.0 | | | |
| Queue Storage Ratio (F | | 0.00 | × | 0.00 | 0.00 | | | 0.00 | 0.00 | | | 0.00 | | | |
| Uniform Delay (d 1), s/v | | 18.9 | | 11.8 | 8.5 | | | 25.8 | 24.4 | | | | | | |
| Incremental Delay (d 2) | | 0.3 | | 0.1 | 0.0 | | | 0.2 | 0.1 | | | 0.0 | | | |
| Initial Queue Delay (d з | | 0.0 | | 0.0 | 0.0 | | | 0.0 | 0.0 | | | 0.0 | | | |
| Control Delay (d), s/vel | | 19.2 | | 11.9 | 8.6 | | | 26.0 | 24.6 | Alter Shimenous | | | | | |
| Level of Service (LOS) | | В | | В | А | | Ī | C · | С | | | | | | |
| Approach Delay, s/veh / | 19.2 | | В | 9.8 | | Α | ì | 25.5 | | С. | 0.0 | | | | |
| Intersection Delay, s/veh | ************************************** | | 18 | 3.3 | on the second second | | | TOTAL CONTRACTOR AND ADDRESS OF THE PARTY OF | | | В | | | | |
| | | | | | | | | | | | 77 | | | | |
| Multimodal Results | | EB | | WB | | | | NB | | | | | | | |
| Pedestrian LOS Score / | LOS | | 1.91 | | В | 1.66 | 3 | В | | 1.92 | A CONTRACTOR OF THE CONTRACTOR | В | 1.77 | 7 | В |
| Bicycle LOS Score / LOS | 1.17 | | Α | 1.06 | 3 | Α | | 1.08 | | Α | 0.49 |) | Α | | |