### **CITY OF EMMETT**

### Planning & Zoning Department

### STAFF REPORT

APPLICATIONS: ANN 21-004, PP #21-004- ANNEXATION W/ZONING AND PRELIMINARY PLAT FOR PROPOSED PAYETTE RIVER ESTATES SUBDIVISION

P&Z COMMISSION HEARING DATE: October 4, 2021

COUNCIL PUBLIC HEARINGS: November 9, 2021, continued to January 11, 2022, continued to February 8, 2022

OWNER: LANDMARK PACIFIC INVESTORS LLC

APPLICANT: Andrew Newell with Blaine A. Womer Engineering on behalf of Landmark Pacific Investments LLC PO Box 1939 Eagle, Id, 83616

PROPERTY LOCATION: NORTH OF W. 12<sup>TH</sup> ST. AND WEST OF TWIN BUTTES SUBDIVISION

PARCEL NUMBER: RP06N02W128850

STAFF PLANNER: BRIAN SULLIVAN

### 1. APPLICATION SUMMARY/BACKGROUND:

The applicant, Andrew Newell, with Blaine A. Womer Engineering, representing Landmark Pacific Investments LLC, is requesting approval of two applications for Payette River Estates Subdivision. This summary gives a brief description of the applications and what each one consists of. For information on how the applications comply with the zoning ordinance and comprehensive plan, please look at sections 5, 6, and 7 of this staff report.

The applications include the following:

- 1. Annexation with zoning classification of RP06N02W128850, a 17.14-acre parcel with the requested zoning classification of R-1, single-family residential. This property is located to the west of Twin Buttes Subdivision, and is contiguous to the city limits.
- 2. Preliminary Plat which includes 69 65 single-family lots and 5 common lots.

The gross density for this site is  $4.03 \ \underline{3.78}$  dwelling units per acre. Lot sizes range from  $6,000 \ \underline{6,500sf}$ .  $-23,012 \ \underline{13,843}$  sf. with and average size of  $6,660 \ \text{sf}$ .

Open Space required by ECC is 1.91 1.80 acres. Payette River Estates is providing 1.99 2.04 acres of common open space that will serve all residents.

All roads will be constructed with curb, gutter, and sidewalk and improved to the City of Emmett Staff Report
Page 1 of 9
Payette River Estates Subdivision

design standards. As with all subdivisions in the city, all roads are dedicated to the Public and under the ownership of the City of Emmett. A final landscape plan will need to be submitted and approved prior to the final plat. Sewer, water, and pressure irrigation will be provided to each lot. Storm water will be retained on-site within the subdivision.

If this property is annexed and the zoning classification is changed to a residential use, it will eliminate the Light and Heavy Industrial zoning classifications for this property. The surrounding properties will remain the zoning classification they currently hold.

### 2. APPLICATION & PROPERTY FACTS:

A. Site Address/Location:

The subject property is located within Section 12 of T6N, R2W.

- B. Current Owner(s): Joseph D. and Joanne Rohrbacher.
- C. Applicant(s): Landmark Pacific Investments, LLC
- D. Representative(s): Andrew Newell, Blaine Womer Engineering
- E. Engineer: Andrew Newell
- F. Present Zoning: M-1 Light Industrial and M-2 Heavy Industrial (County)
- G. Present Comprehensive Plan Designation: Area of City Impact
- H. Property Size: Approx. 17.14 acres

### 3. APPLICATION PROCESS FACTS:

A. Application Submittal:

The complete application for this item was received by the P&Z Department on July 21st, 2021.

B. Notice of Public Hearing:

Notice of Public Hearing on the application for the Emmett Planning and Zoning Commission was published in accordance with requirements of Title 67, Chapter 65, Idaho Code on September 15, 2021. Notice of this public hearing was mailed to property owners within 300 feet of the subject property in accordance with the requirements of Title 67, Chapter 65, Idaho Code on September 15, 2021. The physical property was posted for the public hearing on September 23, 2021.

C. Relevant Ordinances and Required Actions:

The subject application will in fact constitute an Annexation application as determined by Emmett City Code (ECC) 9-15-10A - D. By reason of the provisions of the ECC Title 9, Chapter 15, a public hearing is required before the Zoning Commission ("Commission") and the City Council ("Council") on this matter. The Commission must make a recommendation to the Council and make findings of fact and conclusions of law relating to compliance with the Comprehensive Plan, per ECC 9-15-10H.

The subject application will in fact constitute a rezone as determined by Emmett City Code. By reason of the provisions of the Emmett City Code Title 9, Chapter 15, a public hearing is required before the

Staff Report

Zoning Commission and the City Council on this matter.

The subject application will in fact constitute a Preliminary Plat as determined by Emmett City Code (ECC), Title 10, Chapter 2. By reason of the provisions of the Emmett City Code Title 10, Chapter 2, a public hearing is required before the Planning & Zoning Commission and a review of the recommendation is due by the City Council on the matter of the Preliminary Plat.

- D. History of Previous Actions on Property:
- E. Companion Applications: Annexation, ANN 21-004 Preliminary Plat, PP 21-004

### 4. LAND USE:

- A. Existing Land Use(s): Vacant pasture land
- B. Description of Character of Surrounding Area: Medium to high density residential to the east and low density to the south, north, and west.
- C. Adjacent Comprehensive Plan, Zoning and Land Use: R-1 Single-Family Residential; R-2 Residential Transitional, M-1 and M-2

	COMP PLAN DESIGNATION	ZONING DESIGNATION	LAND USE
North of site	Mixed Planned Dev.	R-2 Residential Transitional (County)	Single-family and vacant pasture
South of site	Area of City Impact	M-1 Light Industrial	Single-family residential
East of site	Area of City Impact	R-1 Single-Family M-1 Light Industrial	Single-family residential
West of site	Area of City Impact	M-1 and M-2, and A-2	Vacant land, single-family

### D. Site Design Information:

	TOTAL ACREAGE OF SITE	PROPOSED MINIMUM LOT AREA	CURRENT MINIMUM
SITE DATA	17.14 acres	6, <del>000</del> <u>500</u> , w/ 6, <del>830</del> <u>660</u> average, single family, to over <del>23,012 13,843</del>	6,000 sq. ft. R-1 zone

E. Streets and/or Access Information: The applicant is proposing connecting to Homestead Drive from Twin Buttes Subdivision and to construct 4 new interior streets, one (1) new street that will

connect to W. 12<sup>th</sup> street giving the subdivision two ingress and egress points.

### **5. COMPREHENSIVE PLAN:** (Staff comments are in italics)

### CHAPTER 3 - HOUSING

- Future Conditions: Continuous planning must occur to reflect the changing economic conditions and/or policies locally and statewide. The Gem Community must recognize and anticipate that future national and state energy policies will impact housing standards.

  In planning for residential growth, various densities and housing types should be allowed. Examples of housing types include multi-family, duplex, townhouses, zero-lot-line development, and single-family detached.
- 1.0 General Housing Goal Statement: The Gem Community recognizes that housing is one of the most basic and important human needs. All citizens must be provided with the opportunity for adequate housing. Housing policies focus on these areas:
  - Encourage development within the Emmett Area of City Impact and Rural Residential areas in the County.
  - Encourage workforce housing (affordable to households earning from 80% to 140% of the Area Median Income) in the Gem Community.
  - Encourage diversified housing including single-family, multi-family and rental housing.

These sections of the comp plan support additional housing as planning for residential growth.

### **CHAPTER 9 - PUBLIC SERVICES AND UTILITIES**

• GC9.1.2: Policies for City of Emmett-Encourage annexations within the Impact Area for hook-up to municipal services.

This development will connect to city utilities.

### Chapter 10 - Transportation

### Chapter 10, TRANSPORTATION GOAL STATEMENT

"Develop a balanced and mixed transportation system which provides for the efficient and safe movement of people and goods."

- 10.1.2 Achieve a balanced transportation system including roadways, public transit, bicycle route, sidewalks, etc.
- 10.1.3 Encourage a transportation system designed and developed to reduce existing traffic congestion and facilitate the safe, efficient movement of people and goods within the community.
- 10.1.4 Encourage clustering of uses and access points along arterial where applicable by land use.

### 2.0 STREET BEAUTIFICATION GOAL STATEMENT

"Promote the beautification of federal, state and local roads to improve the visual impact of Emmett and Gem County."

10.2.1 Enforce the landscape ordinance that requires new development to plant trees in street landscaping buffer zones within the city limits and Area of City Impact.

Emmett City Code (ECC)requires a landscape plan to be submitted prior to approving a final plat.

**4.0 Pathways Goal Statement:** Gem Community will consider cyclists, equestrians, pedestrians, skateboarders, skaters, and other non-motorized transportation needs in all land use decisions. (Wheelchairs and similar mobility devices for the handicapped are also included in this pathway goal.)

### **Policies for Pathways:**

10.4.2 Consider all new development an opportunity to provide and improve bicycle and pedestrian facilities.

Staff finds per the City of Emmett, Park Master Plan, the sidewalks called out throughout the subdivision will connect to adjacent sidewalks in Twin Buttes Subdivision and provide an improved bicycle and pedestrian pathway system.

10.4.3 Provide for safe pedestrian walkways, whether paved or unpaved. *Pathways will be concrete sidewalks*.

### CHAPTER 12 - LAND USE: GENERAL RESIDENTIAL CATEGORIES

- Area of City Impact These land areas are generally adjacent to arterials and are anticipated for a variety of residential densities. Residential areas in close proximity of city limits, activity centers and public transportation routes should range in density from 3-25 units per acre.

  This statement supports additional residential housing with the density proposed.
- Impact Area Policies 12.22 Residential areas may be serviced by municipal sewer or water within the City Impact area. When the property becomes contiguous with the City of Emmett, annexation will be evaluated.

This property is contiguous to the city. Municipal water and sewer will be accessed from Homestead Drive in Twin Buttes Subdivision.

### RESIDENTIAL LAND USE POLICIES

- 12.13 Encourage the provision of quality and diverse housing, as well as creative subdivision designs, of all price ranges for present and future residents.
- 12.14 Create and maintain a high quality of life through the provision of adequate open space and recreational opportunities.

Payette River Estates provides  $\frac{1.99}{2.04}$  acres of open space. The open space areas will be classified as a minipark and will need to comply with ECC 10-3-11G, H, and I.

12.15 Encourage compatible infill development, which will complement existing neighborhoods.

Staff finds that the proposed subdivision will be compatible with surrounding neighborhood Twin Buttes Subdivision.

### 6. ZONING DISTRICTS:

The purpose of the R district is to permit the establishment of residential dwellings and other uses that are compatible with residential uses. Centralized water and sewer facilities are required in the R district in accordance with section 7-6-2 of this code.

### 7. SUBDIVISION ORDINANCE (PRELIMINARY PLAT)

Before recommending approval or approving any subdivision, ECC 10-2-3.H requires the Commission and City Council to consider the objectives of the Subdivision Ordinance and at least the following findings:

- 1. The conformance of the subdivision with the comprehensive development plan.

  Staff finds the plat to comply with the Comprehensive Plan, as outlined in Section 5 above.
- 2. The availability of public services to accommodate the proposed development.

This finding expands upon the Preliminary Plat finding above by requiring <u>all</u> public services to be evaluated before approving a preliminary plat application. This includes, among other services, EMS, fire, law enforcement, library, schools, streets and irrigation. To date, written comments have been received from the following service providers:

### Zoning Meeting Letters:

- Emmett Fire Department (no comment)
- Emmett Police Department
- Emmett Public Works (no comment)
- Idaho Power (no comment)
- Gem County Road and Bridge (no comment)
- Rob A. Kilpatrick, neighbor- Opposed
- Lori Dixon, neighbor- Opposed
- Dawn Ferdinand, neighbor- Opposed
- Lee Osmialowski, neighbor- Opposed

### City Council Meeting Letters

- Sandra and Dean Bickford- Opposed
- Robert and Dorothy Hartgrove- Opposed
- Carol Emery- Opposed
- Dawn Ferdinand- Opposed
- Rob Kilpatrick- Opposed
- Linda Ward- Opposed
- Joseph Moys- Opposed
- David Paul- Opposed
- Lee Osmialowski- Opposed

- Lori Dixon- Opposed
- Madeline Nichols (Wageman)- Opposed
- Harold and Shirly Barrett- Opposed
- Rob and Sue Barrett- Opposed
- Jeff Millennor Opposed

The Commission and Council should review all of the comments as well as public testimony from any service providers before making a decision.

3. The continuity of the proposed development with the capital improvement program.

Currently, there is not an adopted Capital Improvement Program for the City of Emmett.

4. The public financial capability of supporting services for the proposed development.

If this subdivision is approved, staff finds the following services will need to be provided by the City of Emmett to future residents:

- Water
- Street
- Parks
- Cemetery
- Fire
- City Clerk

Public services to support the development would be handled through general tax and/or fee-for-service structures in place at the time of development.

### 8. REQUIRED COMMISSION FINDINGS & STAFF ANALYSIS FOR ANNEXATION

Emmett City Code 9-15-10. H., Commission Review, requires the Commission to make the following findings for any annexation application before recommending approval to the Council: (staff analysis in *italics*)

A. Determine whether the proposed annexation will be harmonious and in accordance with the specific goals and policies of applicable components of the Gem Community Comprehensive Plan.

The analysis of the Gem Community Comprehensive Plan is provided in Section 5 above. Staff finds the property included in this annexation request lies within the "Area of City Impact" designation of the Future Land Use Map in the Joint Comprehensive Plan. Chapter 12 of the Gem Community Comprehensive Plan describes the intent and development goals of this area. Land in this area is slated to be annexed and zoned when it becomes contiguous with the city limits and when urban services are available.

B. Recommend that the property sought to be annexed should be zoned as one or more zoning districts (as more fully described in the Emmett Zoning Ordinance).

Staff recommends the Commission support the proposed zoning classification of R-1, Single-Family Residential for the 17.14 acres and recommend approval of the annexation to City Council.

### 9. REQUIRED FINDINGS & STAFF ANALYSIS FOR REZONE

Emmett City Code 9-15-4, Transmittal to Commission, outlines the process and findings for review and approval of Zoning Amendment applications, which is what Rezone applications are classified under.

Section B requires the Commission to find that the request is "in accordance with the adopted Comprehensive Plan." This is the only standard in the Zoning Ordinance by which the Commission must evaluate Rezone requests. Staff's analysis of relevant Comprehensive Plan policies is provided above. The Commission and Council must find that the Comprehensive Plan map and policies support the Rezone application.

### 10. SITE SPECIFIC CONDITIONS OF APPROVAL:

P&Z staff offers the following recommended conditions of approval for the PP application. Other departments/agencies may have recommended conditions of approval separate from this report.

### **Preliminary Plat Application**

- 1. Comply with all conditions of approval, as approved by City Council, from staff, impact agencies, and utility providers.
- 2. Subdivision name and road names must meet the approval of the Street Naming Committee. Will be approved prior to final plat.
- 3. All subdivision construction must follow the 2017 edition of ISPWC, (Idaho Standards for Public Works Construction) as adopted by the City of Emmett.
- 4. Landscaping: It is recommended the plan be submitted with construction drawings. a) The common lots must be maintained by an HOA or business owner's association, as applicable and be noted as such on the final plat. b) The landscape plan must be prepared by a qualified nursery person, landscape architect or other landscape professional. c) A final landscape plan must be submitted for approval prior to filing the final plat.
- 5. If this subdivision is constructed in phases, each phase must contain the required amount of open space and be developed prior to acceptance of the final plat.
- 6. Applicant shall submit a final copy of the CC & R's for review by the City prior to filing the final plat.
- 7. Staff recommends the open space areas, including any amenities, be described in the CC & R's as an allowed use by all residents of Payette River Estates Subdivision, and describe the entity who is in charge of maintenance of these amenities.
- 8. All utilities within the development must be constructed underground.
- 9. Streetlights shall be installed using LED lights. Locations are to be submitted with construction drawings for approval. General locations for street lights are at entrances into subdivision, at intersections, close proximity to fire hydrants, and at end of cul-de-sacs.
- 10. Street signage shall be submitted to the City for approval prior to installation.
- 11. Developer must install a gang type mailbox for the subdivision. Individual mailboxes will not be allowed to be anchored or placed on the completed sidewalk. Please contact Emmett Postal Service for type of gang mailbox allowed and approval for placement location.

12. Applicant shall comply with ECC 10-2-3 regarding plat approval period standards and shall submit a final plat application within one (1) year of Preliminary Plat approval.

### 11. STAFF RECOMMENDATION

A new plat was submitted taking into consideration the comments of the zoning commission members. Zoning commission asked for larger lot sizes, and the applicant has changed the plat from 6,000 sf. lot to 6,500 sf. lots. The number of lots has also decreased from 69 to 65 lots.

The public testimony received all have concerns about the traffic thru Twin Buttes Subdivision and on W. 12<sup>th</sup> Street. The Commission did not recommend a traffic analysis or study be provided. The City Council can recommend this at any time during the hearing prior to making a decision if they feel it is warranted.

A Traffic impact analysis was requested by City Council at the November 9, 2021 meeting. The applicant delivered the analysis to staff as requested. This study is in the packet along with literature submitted by Joe Morton from ITD showing crash reports from 2008-2020 on Mill Road, SH 52, and 12<sup>th</sup> street.

At the January 11, 2022 City Council meeting, Council members requested the applicant extend the time frame for information collected from 4:30am to 7am to supplement the morning study, and again from 2pm to 4pm to supplement the afternoon study.

Due to the applications complying with the Gem Community Comprehensive Plan, and the Traffic Impact Analysis showing the roadways function above the City of Emmett established level of service (LOS) "D" or better, staff recommends approval of application ANN 21-004 for annexation, and the application PP 21-004, preliminary plat of Payette River Estates Subdivision.



### **CITY OF EMMETT**

### Zoning Commission Recommendation to City Council

(This recommendation is to be used in conjunction with the Staff Report for the same application.)

Application: ANN 21-004, PP #21-004 Annexation w/zoning and Preliminary Plat-

Payette River Estates Subdivision

**Applicant**: Andrew Newell with Blaine A. Womer Engineering on behalf of Landmark Pacific Investments LLC

Date of Written Recommendation: November 3, 2021

Date of Zoning Commission Public Hearing(s): October 4, 2021

Date of City Council Meeting: November 9, 2021, continued to January 11, 2022,

and February 8, 2022.

### **Summary and Rebuttal of Public Testimony:**

- Administrator gave the summary of the staff report
- Applicant provided summary/overview of proposed plat
- Lori Dixon testified with concerns of a lot boarding her property:
- Fred Bilbrey has concerns about animals causing a nuisance to the development. Does not want to get rid of their animals.
- Jerry Betzold has concerns with security of his storage units and irrigation waste water.
- Robert Riggs concerns with traffic, noise, security and fence line between the new road and his property. He also has concerns about the city annexing his property.
- Danny Bigford has concerns with her animals and traffic on 12<sup>th</sup> St.
- Dawn Ferdinand informed the commission of another subdivision approved on Tyler Road, and the roads crossing the tracks.
- Matthew Braica has concerns about lot size and density
- Applicant and Staff rebuttal:
  - Applicant Andrew Newell addressed the corner lot boarding Lori Dixons lot. This large lot has changed and made into two smaller lots, with one lot boarding Dixons lot.
  - O Applicant informed the public that they will be doing a disclosure statement with potential new owners that there are animals and noise around the property. Newell stated that there will be a vinyl fence around the perimeter of the property.

- o Applicant informed the commission that the irrigation ditches will be piped during the construction.
- Administrator and Attorney Sweeten informed the commission that the city is not doing forced annexations, only upon property owner's consent.
- o Applicant stated that they can increase the lot size and frontage size. The lots have increased to 6,500 sf. with 65' of frontage.
- o Commissioner Gregory stated the development does not cross the tracks.
- Applicant agreed to comply with all staff comments.

### **Commission Recommendations:**

- Motion 1- Based on the findings included in the accompanying staff report and on the applicant's testimony that they will comply with staff comments, the Commission voted to recommend approval of application ANN 21-0014, annexation with zoning classification of R-1, single-family residential.
- Motion 2 Recommend approval of PP 21-004, and adopt the Site-Specific Conditions, adopt the staff report into the record, require 65' of frontage minimum, state in the CC&R's that the neighbors will have animals that smell and make noise.

Reason(s) and Findings for Recommendation: See pages 6-9 of the Staff Report.

**Possible Motion:** Staff would propose the following motion if Council agrees to approve the applications:

I would like to make a motion to approve the following applications:

- ANN 21-004, Annexation of parcel # RP06N02W128850 containing 17.14 acres as described in legal description Exhibit A, with a zoning classification of R-1, single-family residential.
- PP 21-004, Preliminary Plat of Payette River Estates Subdivision, adopting Site-Specific Conditions of Approval in Section 10
- and enter the staff report into the record as part of the approval.

Or

I would like to make a motion to deny the following applications:

- ANN 21-004, Annexation of parcel # RP06N02W128850 containing 17.14 acres as described in legal description Exhibit A, with a zoning classification of R-1, single-family residential.
- PP 21-004, Preliminary Plat of Payette River Estates Subdivision, adopting Site-Specific Conditions of Approval in Section 10 based on the following:

TJW ENGINEERING, INC.

TRAFFIC ENGINEERING &
TRANSPORTATION PLANNING

CONSULTANTS

January 18, 2022

Landmark Pacific Investments, LLC PO Box 1939 Eagle, ID 83616

Subject: Payette River Estates – Response to TIS Review Comments

*TJW ENGINEERING, INC. (TJW)* has reviewed the draft TIS review comments dated January 4, 2022, and offers the following responses:

Comment: Page 1, first paragraph-Keller Associates is misspelled as "Keller Association."

Response: Comment noted. Misspelling has been corrected in the revised TIS.

Comment: <u>Page 9</u>, <u>second paragraph</u> - Turning movement counts, performed Wednesday, November 17, 2021, were not adjusted for seasonal variations. Traffic volumes are typically lower than the annual average beginning in November through the winter, and an adjustment factor is often applied to increase the traffic volumes to the annual average. In this case, the lack of an adjustment is not likely to affect TIS conclusions because LOS B is the worst reported level of service in all scenarios and a 5-10% increase in background traffic volumes would not be enough to push the intersections to unacceptable level of service. In addition, such an adjustment in background traffic volumes would not be enough to trigger turn lane warrants.

Response: Comment noted. The traffic volumes utilized in the TIS were seasonally adjusted in relation to AADT at the nearest ITD traffic monitoring station.

Comment: <u>Page 12, Table 4</u>- The occurrence of a recent Fatal pedestrian-involved crash in the study area is worth discussion in the narrative, but unlikely to affect the TIS conclusions in this case.

Response: Comment noted. Additional narrative provided in revised TIS.

Comment: <u>Page 14, Table 5</u>- Trip generation was calculated using average rates from the ITE Trip Generation Manual, 11lh Edition. Based on recommendations in Figure 4.2 of the Trip Generation Handbook, 3rd Edition, fitted curve equations (instead of average rates) should be used for the time periods shown in the table. In this case, the difference in trips generated between the two methods is relatively small and unlikely to affect TIS conclusions.

Response: The revised TIS utilizes trip generation equations instead of trip generation rates.

Comment: <u>Page 15, Exhibit 6</u>- Trip distribution percentages appear reasonable, given the surrounding land uses and road network.

Response: Comment noted.

Comment: <u>Page 18, third paragraph</u>- Three percent annual growth for background traffic is reasonable. *Response: Comment noted. The revised TIS also adds projected traffic related to the Skyhawk and Skyhawk East developments to background traffic conditions based on information contained in those project's traffic impact studies.* 

Comment: *General* - the TIS report is sealed by an Idaho-licensed Engineer, Blaine Womer. But the company on the report TJW Engineering (with a Boise, West Emerald Street address), isn't listed with the Idaho Board of PELS as licensed to do business in Idaho, and TJW Engineering also is not listed with the Idaho Secretary of State.

Response: Comment noted. TJW's application for a PELS license in the State of Idaho has been accepted and is expected to be approved and finalized in February 2022.

Please contact us at (949) 878-3509 if you have any questions.

Sincerely,

Blaine Womer, PE

### Payette River Estates Traffic Impact Study

City of Emmett, Idaho

January 19, 2022

Prepared by:



TJW ENGINEERING, INC. 4355 West Emerald Street, Suite 145 Boise, ID 83706 208.593.7555



January 19, 2022

Landmark Pacific Investments, LLC PO Box 1939 Eagle, ID 83616 TRANSPORTATION PLANNING
CONSULTANTS

Subject:

Traffic Impact Study - Revised Payette River Estates, City of Emmett

TJW ENGINEERING, INC. (TJW) is pleased to present you with this revised traffic impact study for the proposed Payette River Estates residential project located north of 12<sup>th</sup> Street and west of the existing Twin Butte subdivision in the City of Emmett.

This traffic study has been prepared to meet the access management guidelines for the City of Emmett and assesses the forecast traffic operations associated with the proposed project and its impact on the local street network. This report has been revised pursuant to comments received from City staff and the collection of additional traffic data and is being submitted to you for review and forwarding to the City of Emmett.

Please contact us at (208) 593-7555 if you have any questions regarding this analysis.

Sincerely,

Thomas Wheat, PE, TE

President

Jeffrey Chinchilla, PE Project Engineer

Prepared under the supervision of:

Blaine A. Womer, PE

### Payette River Estates Traffic Impact Study

City of Emmett, Idaho

### January 19, 2022

### Prepared for:

Landmark Pacific Investments, LLC PO Box 1939 Eagle, ID 83616

### Prepared by:

Thomas Wheat, PE, TE Jeffrey Chinchilla, PE Blaine A. Womer, PE



TJW ENGINEERING, INC. 4355West Emerald Street, Suite 145 Boise, ID 83706 208.593.7555

### Table of Contents

1.0	EXECUTIVE SUMMARY	iv
1.1 1.2 1.3	FINDINGSPROPOSED PUBLIC STREET CONNECTIONSRECOMMENDATIONS	iv
2.0	INTRODUCTION	
2.1	PROJECT DESCRIPTION	
2.2	STUDY AREA	1
2.3	ANALYSIS METHODOLOGY	
2	3.1 Intersection Analysis Methodology	4
2.4	PERFORMANCE CRITERIA	6
3.0	EXISTING CONDITIONS	
3.1	EXISTING CIRCULATION NETWORK/STUDY AREA CONDITIONS	7
3.2	CITY OF EMMETT TRANSPORTATION PLAN	7
3.3 3.4	EXISTING BICYCLE AND PEDESTRIAN FACILITIES	
3.5	EXISTING POBLIC TRANSIT SERVICES	
3.6	EXISTING CONDITIONS INTERSECTION LEVEL OF SERVICE ANALYSIS	11
3.7	TRAFFIC SAFETY	
4.0	PROPOSED PROJECT	13
4.1	PROJECT DESCRIPTION	
4.2	PROJECT TRIP GENERATION	
4.3 4.4	PROJECT TRIP DISTRIBUTION  MODAL SPLIT	
4.5	CUMULATIVE PROJECTS TRAFFIC	
5.0	PROJECT OPENING YEAR WITHOUT PROJECT CONDITIONS	17
5.1	ROADWAY IMPROVEMENTS	17
5.2	PROJECT OPENING YEAR WITHOUT PROJECT TRAFFIC VOLUMES	
5.3	PROJECT OPENING YEAR WITHOUT PROJECT INTERSECTION LEVEL OF SERVICE ANALYSIS	17
6.0	PROJECT OPENING YEAR WITH PROJECT CONDITIONS	
6.1	ROADWAY IMPROVEMENTS	
6.2		
6.3	PROJECT OPENING WITH PROJECT INTERSECTION LEVEL OF SERVICE ANALYSIS	21



### Payette River Estates Traffic Impact Analysis- Revised

7.0	ACCESS MANAGEMENT ANALYSIS	23
7.1	1 ACCESS ON 12 <sup>TH</sup> STREET	23
7.2	2 TURN LANE WARRANT ANALYSIS	23
7.3	SIGHT DISTANCE ANALYSIS	25



### List of Tables

Table 1 HCM – LOS & Delay Ranges – Unsignalized Intersections	6
Table 2 Roadway Characteristics within Study Area	7
Table 3 Intersection Analysis – Existing Conditions	11
Table 4 Reported Crash Summary	12
Table 5 Proposed Project Trip Generation	14
Table 6 Cumulative Projects Trip Generation	14
Table 7 Intersection Analysis – Project Opening Year Without Project Conditions	19
Table 8 Intersection Analysis – Project Opening Year With Project Conditions	21
Table 9 Left Turn Lane Analysis Results	24
Table 10 Right Turn Lane Analysis Results	25
List of Exhibits	
Exhibit 1: Project Location	
Exhibit 2: Proposed Project Site Plan	
Exhibit 3: Proposed TIA Study Area	
Exhibit 4: Lane Geometry and Intersection Controls	
Exhibit 5: Existing AM Peak Hour Volumes	
Exhibit 6: Trip Distribution at Study Intersections	
Exhibit 7: Trip Assignment at Study Intersections	
Exhibit 8: Project Opening Year Without Project AM & PM Peak Hour Volumes	
Exhibit 9: Project Opening Year With Project AM & PM Peak Hour Volumes	22

### **Appendices**

Appendix A: Roadway Classifications Appendix B: Existing Traffic Counts Appendix C: HCM Analysis Sheets



### 1.0 EXECUTIVE SUMMARY

This traffic impact study (TIS) analyzes the projected traffic operations associated with the proposed Payette River Estates residential project located in the City of Emmett. The purpose of this TIS is to evaluate potential circulation system deficiencies that may result from development of the proposed project, and to recommend improvements to achieve acceptable operations, if applicable. This analysis has been prepared in coordination with the City of Emmett pursuant to the City's Access Management Guidelines.

### 1.1 FINDINGS

**Table ES-1** summarizes the results of the intersection level of service analysis based on the City of Emmett thresholds of significance for analyzing transportation deficiencies.

**Table ES-1**Summary of Transportation Deficiencies at Study Intersections

	Interse	Project Opening Year With Project	
1	Cottonwood Creek Avenue	W 12 <sup>th</sup> Street	No Deficiencies
2	Mill Road	Homestead Drive	No Deficiencies
3	Mill Road	W 12 <sup>th</sup> Street	No Deficiencies

### **Existing Conditions**

The study intersections are projected to operate at an acceptable LOS during the AM and PM peak hours for *Existing* conditions.

### **Project Opening Year Without Project Conditions**

The study intersections are projected to operate at an acceptable LOS during the AM and PM peak hours for *Project Opening Year Without Project* conditions.

### **Project Opening Year With Project Conditions**

The study intersections are projected to operate at an acceptable LOS during the AM and PM peak hours for *Project Opening Year With Project* conditions.

### 1.2 PROPOSED PUBLIC STREET CONNECTIONS

• The proposed public street connection on W 12<sup>th</sup> Street meets the City's spacing standards.



- NCHRP Report 457 guidelines for left- and right-turn lanes are not met at any locations within the study area for project opening year with project conditions.
- There is adequate sight distance at the proposed public street connection so long as the intersection is designed with the appropriate sight lines.

### 1.3 RECOMMENDATIONS

Based on the results of the analysis, no off-site improvements were identified since the proposed project is projected to result in no deficiencies at the study intersections for all analysis scenarios. The public street connection to W 12th Street should be designed to provide adequate sight distance for the posted speed limits.



### 2.0 INTRODUCTION

This traffic impact study (TIS) analyzes the projected traffic operations associated with the proposed Payette River Estates residential project located north of 12<sup>th</sup> Street and west of the existing Twin Butte subdivision in the City of Emmett. The purpose of this TIS is to evaluate potential circulation system deficiencies that may result from development of the proposed project, and to recommend improvements to achieve acceptable operations, if applicable. This analysis has been prepared in coordination with the City of Emmett and is pursuant to applicable City of Emmett Access Management Guidelines (Keller Associates, January 2017).

### 2.1 PROJECT DESCRIPTION

The proposed project consists of 65 single-family residential units. Site access is planned via Cottonwood Creek Avenue and an extension of Homestead Drive. The site is currently within the jurisdiction of Gem County and is zoned M-1 (Light Industrial) and M-2 (Heavy Industrial). The project site is currently vacant. The proposed project will be incorporated into the City of Emmett with a zoning designation of R-1 (Single Family Residential).

The proposed project is anticipated to be built and generating trips in 2022.

Exhibit 1 shows the project site location. Exhibit 2 shows the proposed project site plan.

### 2.2 STUDY AREA

The following three (3) intersections in the vicinity of the project site have been included in the intersection level of service (LOS) analysis:

- 1. Cottonwood Creek Avenue/W 12th Street
- 2. Mill Road/Homestead Drive; and
- 3. Mill Road/12<sup>th</sup> Street.

The study intersections are all located within either the City of Emmett or Gem County.

This traffic analysis follows the Emmett Access Management Guidelines (January 2017).

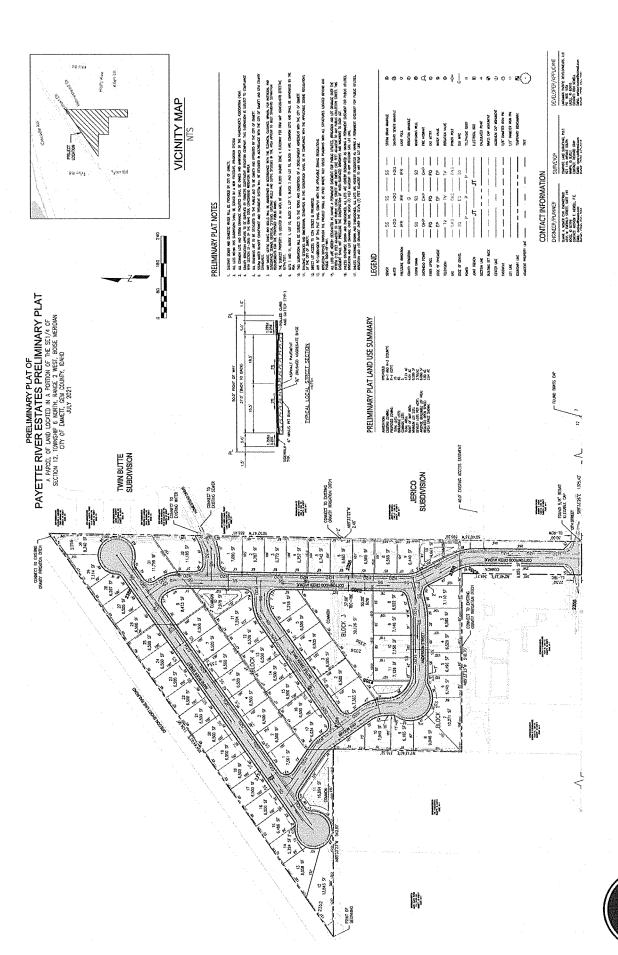




Project Site

### Exhibit 1: Project Location BAW-21-006 Payette River Estates Traffic Impact Study







BAW-21-006 Payette River Estates Traffic Impact Study



Not to Scale

**Exhibit 3** shows the location of the study intersections which are analyzed for the following study scenarios:

- Existing Year Traffic Condition (Existing)
- Project Opening Year Without Project Conditions
- Project Opening Year With Project Conditions

Traffic operations are evaluated for the following time periods:

- Weekday AM Peak Hour occurring within 4:30 AM to 9:00 AM
- Weekday PM Peak Hour occurring within 2:00 PM to 6:00 PM

### 2.3 ANALYSIS METHODOLOGY

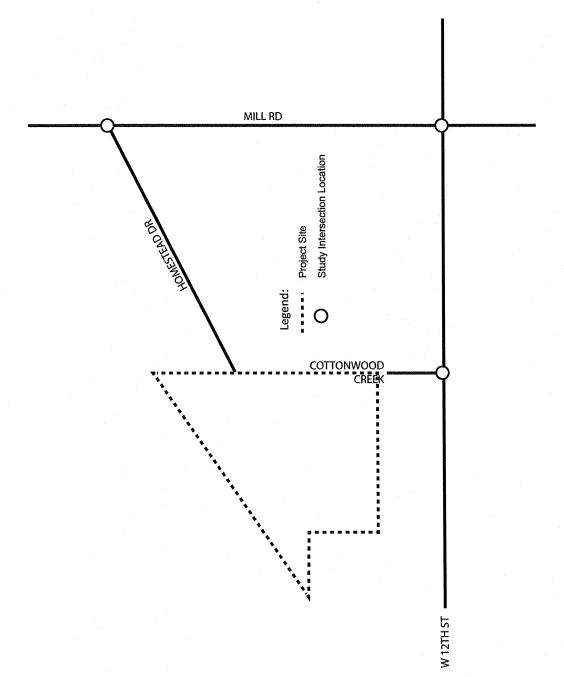
### 2.3.1 Intersection Analysis Methodology

Level of Service (LOS) is commonly used to describe the quality of flow on roadways and at intersections using a range of LOS from LOS A (free flow with little congestion) to LOS F (severely congested conditions). The definitions for LOS for interruption of traffic flow differ depending on the type of traffic control (traffic signal, unsignalized intersection with side street stops, unsignalized intersection with all-way stops). The *Highway Capacity Manual (HCM)* 6 (Transportation Research Board, 2016) methodology expresses the LOS of an intersection in terms of delay time for the intersection approaches. The HCM methodology utilizes different procedures for distinct types of intersection control. All the study intersections in this analysis are unsignalized.

Collected peak hour traffic volumes have been adjusted using a peak hour factor (PHF) to reflect peak 15-minute volumes. It is a widespread practice in LOS analysis to conservatively use a peak 15-minute flow rate applied to the entire hour to derive flow rates in vehicles per hour that are used in the LOS analysis. The PHF is the relationship between the peak 15-minute flow rate and the full hourly volume. PHF = [Hourly Volume]/ [4 \* Peak 15-Minute Volume]. The use of a 15-minute PHF produces a more detailed and conservative analysis compared to analyzing vehicles per hour. Existing PHFs have been obtained from the existing traffic counts for use in all analysis scenarios in this study.

Intersection operation for unsignalized intersections is based on the weighted average control delay expressed in seconds per vehicle. At a two-way or side-street stop-controlled intersection, LOS is calculated for each stop-controlled minor street movement, for the left-turn movement(s) from the major street, and for the intersection as a whole. For approaches consisting of a single lane, the delay is calculated as the average of all movements in that lane. For all-way stop-controlled intersection, LOS is computed for the intersection as a whole.





### Exhibit 3: Study Intersection Locations BAW-21-006 Payette River Estates Traffic Impact Study



Page 5

**Table 1** describes the general characteristics of traffic flow and accompanying delay ranges at unsignalized intersections.

**Table 1**HCM – LOS & Delay Ranges – Unsignalized Intersections

Level of Service	Description	Delay (in seconds)
Α	Little or no delays.	0 - 10.00
В	Short traffic delays.	10.01 - 15.00
С	Average traffic delays.	15.01 – 25.00
D	Long traffic delays. Multiple vehicles in queue.	25.01 – 35.00
E	Very long delays. Demand approaching capacity of intersection	35.01 – 50.00
F	Very constrained flow with extreme delays and intersection capacity exceeded.	> 50.01

Source: Transportation Research Board, Highway Capacity Manual, HCM6 Edition (Washington D.C., 2016).

This analysis utilizes Synchro, Version 10 analysis software.

### 2.4 PERFORMANCE CRITERIA

The City of Emmett has established level of service "D" or better as acceptable LOS for all intersections along the designated street and highway system in the City's General Plan Circulation Element.

The Access Management Guidelines state that when a facility is operating at LOS C (or better) without the development, the traffic impact of the development on roadways and intersections within the study area shall be mitigated back to LOS C. Mitigation to LOS D is acceptable only with City concurrence.



### 3.0 EXISTING CONDITIONS

### 3.1 EXISTING CIRCULATION NETWORK/STUDY AREA CONDITIONS

The characteristics of the roadway system in the vicinity of the proposed project site are described in **Table 2.** 

**Table 2**Roadway Characteristics within Study Area

Roadway	Classification <sup>1</sup>	Direction	Existing Travel Lanes	Median Type <sup>2</sup>	Speed Limit (mph)	On-Street Parking
Homestead Drive	Local System	East-West	2	NM	None Posted	Yes
Cottonwood Creek Avenue	Local System	North- South	2 <sup>3</sup>	NM	None Posted	No
12 <sup>th</sup> Street	Local Street (west of Mill) Major Collector (east of Mill)	East-West	2	NM	20	No
Mill Road	Major Collector	North- South	2	NM	35	No

<sup>1:</sup> Source: City of Emmett Access Management Guidelines (January 2017)

**Exhibit 4** show existing conditions study area intersection and roadway geometry.

### 3.2 CITY OF EMMETT TRANSPORTATION PLAN

The proposed project site will be annexed into the City of Emmett. **Appendix A** contains the current City of Emmett Future functional classification and new roads map. In the future Mill Road will is planned to be a minor arterial, and 12<sup>th</sup> Street west of Mill Road will be upgraded to a Major Collector and extended west to Airport Road.

### 3.3 EXISTING BICYCLE AND PEDESTRIAN FACILITIES

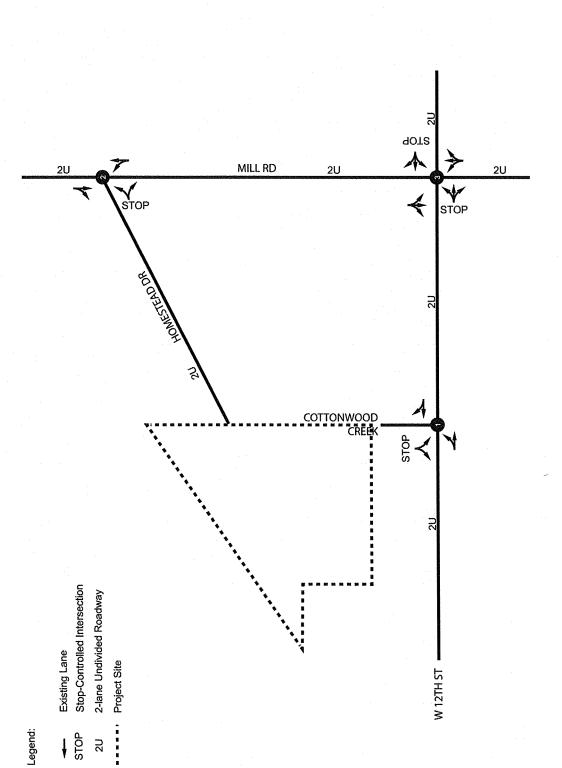
Within the study area there are no bicycle facilities. There are no sidewalks on 12<sup>th</sup> Street or Mill Road within the study area. Sidewalks are present on Homestead Drive.

According to the City of Emmett Pathways map from the City of Emmett Master Pathway Plan (June 2012), on-street bicycle lanes are planned on 12<sup>th</sup> Street and Mill Road in the study area.

Appendix A contains the City of Emmett Pathway Plan.



<sup>2:</sup> NM = No Median.





Not to Scale

## Exhibit 4: Existing Lane Geometry & Intersection Control BAW-21-006 Payette River Estates Traffic Impact Study



### 3.4 EXISTING PUBLIC TRANSIT SERVICES

There is no existing or planned transit service in the City of Emmett.

### 3.5 EXISTING TRAFFIC VOLUMES

To determine the existing operation of the study intersections, AM and PM peak period traffic volumes were estimated based on new traffic counts collected on Wednesday, November 17, 2021, from 7:00-9:00 AM and 4:00-6:00 PM and on Thursday January 13, 2022, from 4:30-7:00 AM and 2:00-4:00 PM. Detailed traffic count data is provided in **Appendix B**. The additional data collected on Thursday, January 13, 2022, was at the direction of City Council, which, at the City Council hearing on Tuesday, January 11, 2022, requested the additional data collection to ensure that peak hour volumes were captured due to the project's proximity to Emmett High School.

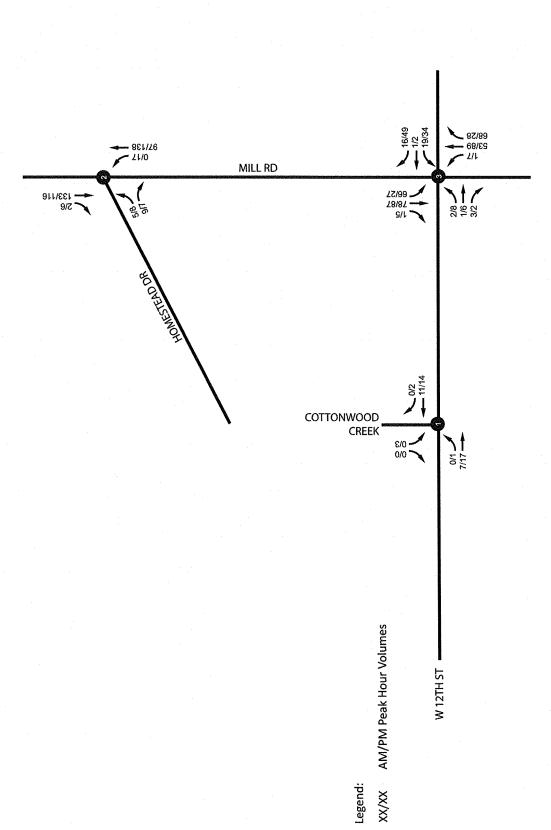
TJW also applied a seasonal adjustment factor to increase the traffic volumes to the annual average. At the direction of City staff, TJW utilized the traffic data at Idaho Transportation Department (ITD) traffic data station #274 on Route 16 to seasonally adjust traffic volumes. ITD provides average daily traffic volumes by month, and each month in 2021 was compared to the annual average to determine the adjustment factor. The adjustment factor for November was 1.031 and the adjustment factor for January was 1.158.

**Exhibit 5** shows seasonally adjusted existing AM and PM peak hour volumes at the study intersections.





Not to Scale





### Exhibit 5: Existing AM/PM Peak Hour Traffic Volumes BAW-21-006 Payette River Estates Traffic Impact Study

### 3.6 EXISTING CONDITIONS INTERSECTION LEVEL OF SERVICE ANALYSIS

Existing conditions AM and PM peak hour intersection analysis is shown in **Table 3**. Calculations are based on the existing geometrics at the study area intersections as shown in **Exhibit 4**. HCM analysis sheets are provided in **Appendix C**.

**Table 3**Intersection Analysis – Existing Conditions

			6. 4. 17.	Peak	Existing Conditions		
	Intersection		Control Type	Hour	Movement	Delay <sup>1</sup>	LOS
				AM	Intersection Southbound Approach	0.0 0.0	A A
1	1   Cottonwood Creek Avenue	W 12st Street	OWSC	PM	Intersection Southbound Approach	0.9 8.8	A A
	NAIL DO		owsc -	AM	Intersection Eastbound Approach	0.6 9.8	A
2	Mill Road	Homestead Drive		PM	Intersection Eastbound Approach	0.9 10.2	A B
	MIII Doord	W 42th C	TIME	AM	Intersection Eastbound Approach Westbound Approach	3.2 11.0 11.4	A B B
3	Mill Road	W 12 <sup>th</sup> Street	TWSC	PM	Intersection Eastbound Approach Westbound Approach	4.0 11.7 10.9	A B B

Note: TWSC = Two-Way Stop-Control, OWSC = One-Way Stop-Control; Delay shown in seconds per vehicle.

As shown in **Table 3**, the study intersections are currently operating at an acceptable LOS during the AM and PM peak hours for *existing* conditions.

### 3.7 TRAFFIC SAFETY

Crash histories at the study intersections and roadways were obtained from the Local Highway Technical Assistance Council (<a href="https://lhtac.org/">https://lhtac.org/</a>). Crashes were reviewed for a five-year period from March 2016 through March 2021. The data was reviewed to identify potential patterns.



<sup>1=</sup> Overall average delay shown for One- and Two-Way Stop Controlled Intersection along with delay for stop-controlled movements. Delay shown in seconds

**Table 4**Reported Crash Summary

Incident Location	Date	Crash Type	Severity	Factors	Movement
Mill Road/W 12 Street Intersection	3/10/2016	Head-On	Injury	Inattention/ Improper Turn	Left-turn
789 Mill Road	12/11/2017	Pedestrian	Fatality	Other (unspecified)	Proceeding Straight
Mill Road/W 12 Street Intersection	4/10/2020	Angle	Property Damage	Failure to Yield	Left-turn

Crash occurrence in the study area is generally low, and none of the intersection crash histories revealed any specific patterns or trends. One pedestrian fatality occurred on Mill Road in the study area in 2017. The vehicle that struck a pedestrian was proceeding straight, and while the crash factor is listed as 'unspecified' the section of Mill Road on which the crash occurred does not have sidewalks so the pedestrian was likely walking on the edge of the roadway. The proposed project would not be able to remedy the lack of sidewalk on Mill Road since it is not within the project's right-of-way.



### 4.0 PROPOSED PROJECT

### 4.1 PROJECT DESCRIPTION

The proposed project consists of 65 single-family residential units. Site access is planned via Homestead Drive and Cottonwood Creek Avenue. The site is currently within the jurisdiction of Gem County and is zoned M-1 (Light Industrial) and M-2 (Heavy Industrial). The project site is currently vacant. The proposed project will be incorporated into the City of Emmett with a zoning on R-1 (Single Family Residential).

The proposed project is anticipated to be built and generating trips in 2022.

**Exhibit 2** previously showed the proposed project site plan.

### 4.2 PROJECT TRIP GENERATION

Trip generation represents the amount of traffic, both inbound and outbound, produced by a development. Determining trip generation for a proposed project is based on projecting the amount of traffic that the specific land uses being proposed will produce. Industry standard *Institute of Transportation Engineers (ITE) Trip Generation Manual (11th Edition, 2021)* trip generation equations were used to determine trip generation for the proposed project.

**Table 5** summarizes the projected AM peak hour, PM peak hour and daily trip generation of the proposed project. The proposed project is projected to generate 679 daily trips, 46 AM peak hour trips, and 61 PM peak hour trips.

### 4.3 PROJECT TRIP DISTRIBUTION

Projecting trip distribution involves the process of identifying probable destinations and traffic routes that will be utilized by the proposed project's traffic. The potential interaction between the proposed land use and surrounding regional access routes are considered to identify the probable routes onto which project traffic would distribute. The projected trip distribution for the proposed project is based on anticipated travel patterns to and from the project site and existing traffic patterns at the study intersections.



**Table 5**Proposed Project Trip Generation

Proposed Land Use <sup>1</sup>		ty Unit	Daily Trips (ADTs)		AM Peak Hour				PM Peak Hour					
	Qty		Equation Volume	Malina	F	In/Out	Volume		Fauntina	In/Out	Volume			
				Equation	Split	In	Out	Total	Equation	Split	ln	Out	Total	
Single- Family Detached Housing	65	DU <sup>2</sup>	LN(T) = 0.92*LN( X)+2.68	679	LN(T) = 0.91*LN( X)+0.12	26/74	13	37	50	LN(T) = 0.94*LN( X)+0.27	63/37	41	25	66

<sup>1:</sup> Equations from ITE Trip Generation (11th Edition, 2021)

**Exhibit 6** shows the projected trip distribution of proposed project trips. **Exhibit 7** shows the projected assignment of proposed project trips.

### 4.4 MODAL SPLIT

The traffic reducing potential of public transit, walking and bicycling have not been considered in this analysis since there are no transit facilities in the study area.

### 4.5 CUMULATIVE PROJECTS TRAFFIC

Opening Year (2022) traffic volumes were developed using an annual ambient growth rate of 3% to account for cumulative projects in the study area. In addition to ambient growth, trip associated with the proposed Skyhawk and Skyhawk East developments east of Mill Road and south of 4<sup>th</sup> Street were added to the study intersections based on information provided in 12-18-20 Traffic Impact Analysis (CR Engineering Inc., December 18, 2020) and Skyhawk East TIA Memo 03222021 (CR Engineering, Inc., March 22, 2021).

Table 6 summarizes trip generation associated with the cumulative projects

**Table 6**Cumulative Projects Trip Generation

Division	Dally Tries (ADTs)		AM Peak Hour	1	PM Peak Hour			
Project	Daily Trips (ADTs)	ln	Out	Total	In	Out	Total	
Skyhawk <sup>1</sup>	735	12	42	54	42	25	67	
Skyhawk East <sup>2</sup>	515	9	31	40	31	17	48	
Total	1,250	21	73	94	73	42	115	

<sup>1:</sup>Source = 12-18-20 Traffic Impact Analysis (CR Engineering Inc., December 18, 2020)

<sup>2:</sup> Source = Skyhawk East TIA Memo 03222021 (CR Engineering, Inc., March 22, 2021)



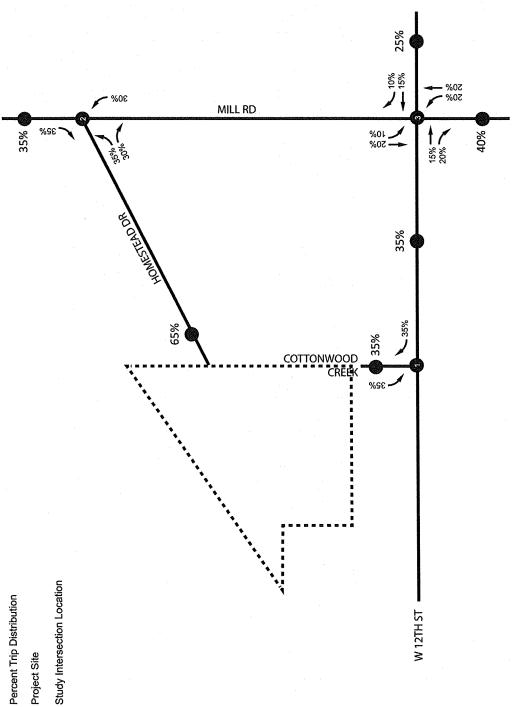
<sup>2:</sup> DU = Dwelling Units

Legend:

Percent Trip Distribution %XX

Project Site . . . . .

8

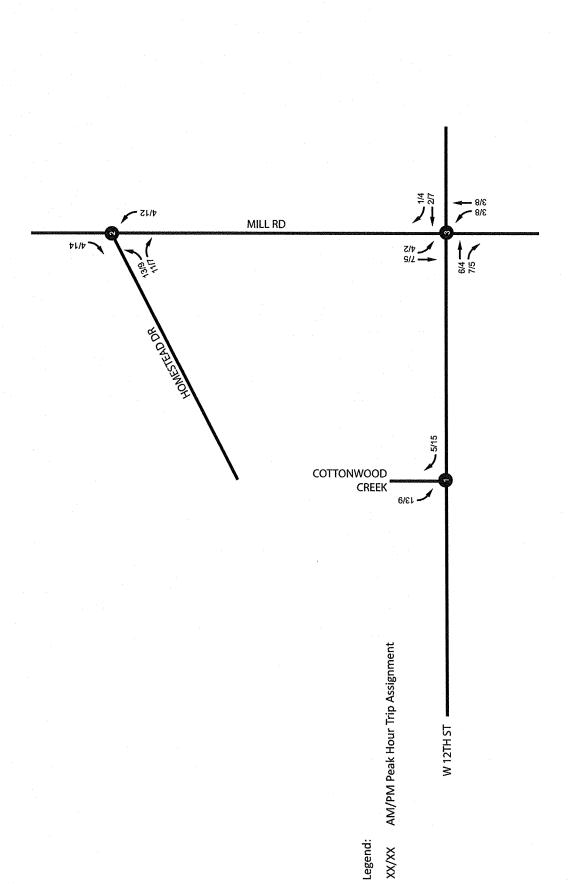




# Exhibit 6: Projected Trip Distribution of Proposed Project Trips BAW-21-006 Payette River Estates Traffic Impact Study

Page 15

Not to Scale





Not to Scale

# **Exhibit 7: Projected Trip Assignment of Proposed Project Trips**

BAW-21-006 Payette River Estates Traffic Impact Study



#### 5.0 PROJECT OPENING YEAR WITHOUT PROJECT CONDITIONS

*Project opening year without project* traffic conditions analysis is intended to identify baseline conditions in the near-term without the proposed project.

#### 5.1 ROADWAY IMPROVEMENTS

The lane configurations and traffic controls assumed to be in place for the *project opening year without* project are consistent with those previously shown in **Exhibit 4**.

#### 5.2 PROJECT OPENING YEAR WITHOUT PROJECT TRAFFIC VOLUMES

Project opening year without project volumes include background traffic. Since the proposed project is expected to be built and generating trips in 2022, project opening year without project volumes include a growth rate of 3% per year for one year, applied to existing volumes.

In addition to ambient growth, trip associated with the proposed Skyhawk and Skyhawk East developments east of Mill Road and south of 4<sup>th</sup> Street were added to the study intersections based on information provided in 12-18-20 Traffic Impact Analysis (CR Engineering Inc., December 18, 2020) and Skyhawk East TIA Memo 03222021 (CR Engineering, Inc., March 22, 2021).

Project Opening Year Without Project Volumes = (Existing (2021) Counts \* 1.03^1) + Cumulative Projects Traffic

**Exhibit 8** shows *project opening year without project* AM and PM peak hour volumes at the study intersections.

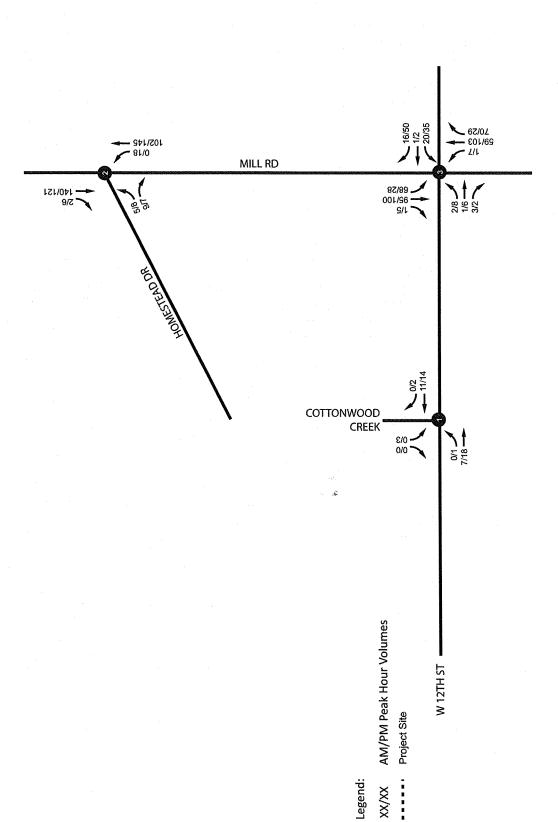
#### 5.3 PROJECT OPENING YEAR WITHOUT PROJECT INTERSECTION LEVEL OF SERVICE ANALYSIS

*Project opening year without project* AM and PM peak hour intersection analysis is shown in **Table 7**. Calculations are based on the existing geometrics at the study area intersections as shown in **Exhibit 4**. HCM analysis sheets are provided in **Appendix C**.





Not to Scale



# Without Project AM/PM Peak Hour Traffic Volumes BAW-21-006 Payette River Estates Traffic Impact Study **Exhibit 8: Project Opening Year**



**Table 7**Intersection Analysis – Project Opening Year Without Project Conditions

			CastaalTaa	Peak	Opening Year Without P	roject Condi	tions
	Intersection		Control Type	Hour	Movement	Delay <sup>1</sup>	LOS
		·		AM	Intersection	0.0	А
1	Cottonwood Creek Avenue	W 12st Street	owsc	Alvi	Southbound Approach	0.0	Α
1	Cottonwood Creek Avenue	W 12St Street	OWSC	PM	Intersection	0.9	Α
				PIVI	Southbound Approach	8.8	Α
				AM	Intersection	0.5	Α
2	Mill Road	Homestead Drive	owsc	AW	Eastbound Approach	9.9	Α
	Will Road	nomestead prive	Owsc	PM	Intersection	0.9	Α
				Pivi	Eastbound Approach	10.3	В
					Intersection	3.1	Α
				AM	Eastbound Approach	11.3	В
3	Mill Road	W 12 <sup>th</sup> Street	TWSC		Westbound Approach	11.8	В
3	IVIIII KOAU	M 17 201661	IVVSC		Intersection	Delay <sup>1</sup> 0.0 0.0 0.9 8.8 0.5 9.9 10.3 3.1 11.3	Α
				PM	Eastbound Approach		В
		•			Westbound Approach	11.2	В

Note: TWSC = Two-Way Stop-Control, OWSC = One-Way Stop-Control; Delay shown in seconds per vehicle.

As shown in *Table 7,* the study intersections are projected to continue to operate at an acceptable LOS during the AM and PM peak hours for *project opening year without project* conditions.



 $<sup>1 =</sup> Overall \ average \ delay \ shown \ for \ One- \ and \ Two-Way \ Stop \ Controlled \ Intersection \ along \ with \ delay \ for \ stop-controlled \ movements. \ Delay \ shown \ in \ seconds$ 

#### 6.0 PROJECT OPENING YEAR WITH PROJECT CONDITIONS

*Project opening year with project* traffic conditions analysis is intended to identify the project-related impacts on both the existing and planned near-term circulation system.

#### 6.1 ROADWAY IMPROVEMENTS

The lane configurations and traffic controls assumed to be in place for the project opening year base plus cumulative plus project scenario are consistent with those previously shown in **Exhibit 4**, except for the extension of Homestead Drive and Cottonwood Creek Avenue assumed to be constructed by the proposed project to provide site access.

#### 6.2 PROJECT OPENING YEAR WITH PROJECT TRAFFIC VOLUMES

*Project opening year with project* volumes include background traffic plus the addition of the traffic projected to be generated by the proposed project.

Project Opening Year Plus Project Volumes = Project Opening Year Without Project Traffic + Project Volume

**Exhibit 9** shows *project opening year with project* AM and PM peak hour volumes at the study intersections.

#### 6.3 PROJECT OPENING WITH PROJECT INTERSECTION LEVEL OF SERVICE ANALYSIS

Project opening year plus project conditions AM and PM peak hour intersection analysis is shown in **Table 8**. HCM analysis sheets are provided in **Appendix C**.



 Table 8

 Intersection Analysis – Project Opening Year With Project Conditions

	Intersect	ion	Control	Peak	Movement	Openir Without	ng Year : Project	Openir With F	ig Year Project
			Type	Hour		Delay <sup>1</sup>	LOS	Delay <sup>1</sup>	LOS
				AM	Intersection	0.0	Α	3.2	Α
1	Cottonwood	W 12st	owsc	Alvi	Southbound Approach	0.0	Α	8.9	Α
1	Creek Avenue	Street	OWSC	PM	Intersection	0.9	Α	1.8	Α
				PIVI	Southbound Approach	8.8	Α	8.9	Α
		Mill Road Homestead OWSC		AM	Intersection	0.5	Α	1.5	Α
2	Mill Road	Homestead	OMCC	Aivi	Eastbound Approach	9.9	Α	10.4	В
~	IVIIII NOdu	Drive	Owsc	PM	Intersection	0.9	Α	1.6	Α
				FIVI	Eastbound Approach	10.3	В	10.8	В
					Intersection	3.1	Α	3.6	Α
				AM	Eastbound Approach	11.3	В	11.8	В
3	Mill Road	W 12 <sup>th</sup>	TWSC		Westbound Approach	11.8	В	12.6	В
٥	I WIIII NOAU	Street	10030		Intersection	3.8	Α	4.3	Α
İ				PM	Eastbound Approach	12.2	В	12.3	В
					Westbound Approach	11.2	В	12.0	В

Note: TWSC = Two-Way Stop-Control, OWSC = One-Way Stop-Control; Delay shown in seconds per vehicle.

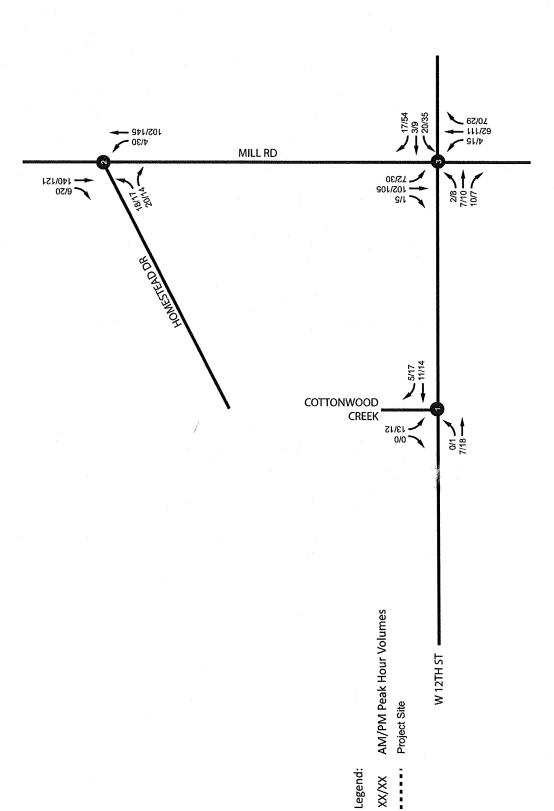
As shown in **Table 8**, the study intersections are projected to continue to operate at an acceptable LOS during the AM and PM peak hours for *project opening year with project* conditions.



<sup>1=</sup> Overall average delay shown for One- and Two-Way Stop Controlled Intersection along with delay for stop-controlled movements. Delay shown in seconds



Not to Scale





BAW-21-006 Payette River Estates Traffic Impact Study



#### 7.0 ACCESS MANAGEMENT ANALYSIS

The City of Emmett's public street intersection and driveway spacing standards are included in Section 4.0 of the *City of Emmett Access Management Guidelines*. The following section summarizes our review of the proposed access point on 12<sup>th</sup> Street via Cottonwood Creek Avenue against these standards.

#### 7.1 ACCESS ON 12<sup>TH</sup> STREET

The site plan proposed a public street connection on 12<sup>th</sup> Street. For a local street accessing a minor arterial like 12<sup>th</sup> Street the following criteria applies:

The Project is a minor generator (51 to 5,000 daily trips) intersecting a local street with a posted speed limit of twenty miles per hour. However, in the future 12<sup>th</sup> Street west of Mill Road may be upgraded to a major collector and could potentially have a speed limit of 35 miles per hour.

TJW has analyzed the spacing based on the potential future designation and speed limit on 12<sup>th</sup> Street as it is a stricter standard. The minimum driveway spacing is 4 to 5 times the posted speed limit, or 140-175 feet. The proposed site access is approximately 325 feet from the nearest driveway to the west, and 240 feet from the nearest driveway to the east, which is on the opposite side of the street. Therefore, the proposed public street connection meets the City's access spacing standard.

#### 7.2 TURN LANE WARRANT ANALYSIS

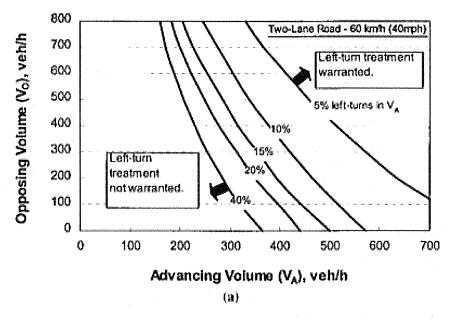
Turn lane guidelines, as described in the *City of Emmett Access Management Guidelines* based on the National Cooperative Highway Research Program Report 457 were evaluated at the study intersections for *opening year with project* conditions.

Left-turn lane warrants look at the advancing volume on the major street, the opposing volume on the major street, the percentage of the advancing volumes that is left-turns and the speed of the roadway.

**Figure 1** shows the left turn lane warrant analysis chart. **Table 9** summarizes the left-turn lane analysis and results.



Figure 1: Left Turn Lane Warrant Analysis Chart



Source: NCHRP Report 457

**Table 9**Left Turn Lane Analysis Results

	Intersec	tion	Left-Turn Lane	Peak Hour	Advancing Volume	Opposing Volume	Left Turn %	85 <sup>th</sup> Percentile Speed	Warrant Met?
1	Cottonwood Creek Avenue	W 12st Street	Eastbound	AM PM	7	16 31	0% 5%	20mph 20mph	No No
2	Mill Road	Homestead Drive	Northbound	AM	106	146	4%	35mph	No
3	Mill Road	W 12 <sup>th</sup>	Northbound	PM AM	175 136	141 175	17% 3%	35mph 35mph	No No
၁ 	IVIIII NOAU	Street W 12 <sup>th</sup>	Northbourid	PM AM	155 175	140 136	10% 41%	35mph 35mph	No No
4	Mill Road	Street	Southbound	PM	140	155	21%	35mph	No

Right-turn lane warrants look at the major road volume in each direction of travel, the right-turn volume, and the speed of the roadway.

**Figure** 2 shows the right-turn lane warrant analysis chart. **Table 10** summarizes the right-turn lane analysis and results.



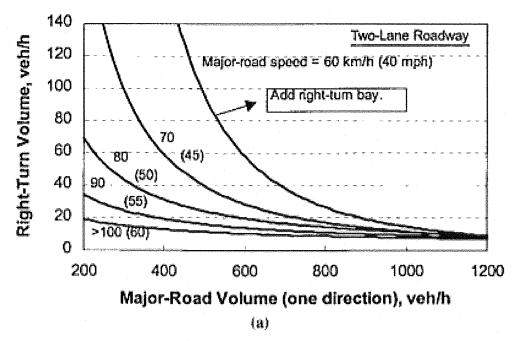


Figure 2: Right Turn Lane Warrant Analysis Chart

Source: NCHRP Report 457

**Table 10**Right Turn Lane Analysis Results

	Intersed	ction	Right-Turn Lane	Peak Hour	Major Road Volume	Right Turn Volume	85 <sup>th</sup> Percentile Speed	Warrant Met?
4	Cottonwood	W 12at Stuart	14/	AM	16	5	20mph	No
1	Creek Avenue	W 12st Street	Westbound	PM	31	17	20mph	No
_	Mill Road	Homestead		AM	146	6	35mph	No
2	IVIIII KOAO	Drive	Southbound	PM	141	20	35mph	No
_	NASU Darad	W 12 <sup>th</sup> Street	81 t   -	AM	136	70	35mph	No
3	Mill Road	M 15 Street	Northbound	PM	155	29	35mph	No
		va dath ca	6	AM	175	1	35mph	No
4	Mill Road	W 12 <sup>th</sup> Street	Southbound	PM	140	5	35mph	No

#### 7.3 SIGHT DISTANCE ANALYSIS

Intersection sight distance was reviewed at the proposed sight access location on W 12<sup>th</sup> Street. W 12<sup>th</sup> Street is signed as 20 miles per hour where Cottonwood Creek Avenue intersects it. As such, the



recommended minimum stopping sight distance along the road is 125 feet and intersection sight distance is 195 feet. If 12<sup>th</sup> Street West eventually has a 35 mile per hour speed limit when upgraded to a Major Collector the recommended minimum stopping sight distance would be 250 feet and the intersection sight distance 390 feet. Currently there is more sight distance available than these minimum recommended values at the proposed public street connection so long as the intersection is designed with the appropriate sight lines.





#### APPENDIX A

Roadway Classifications

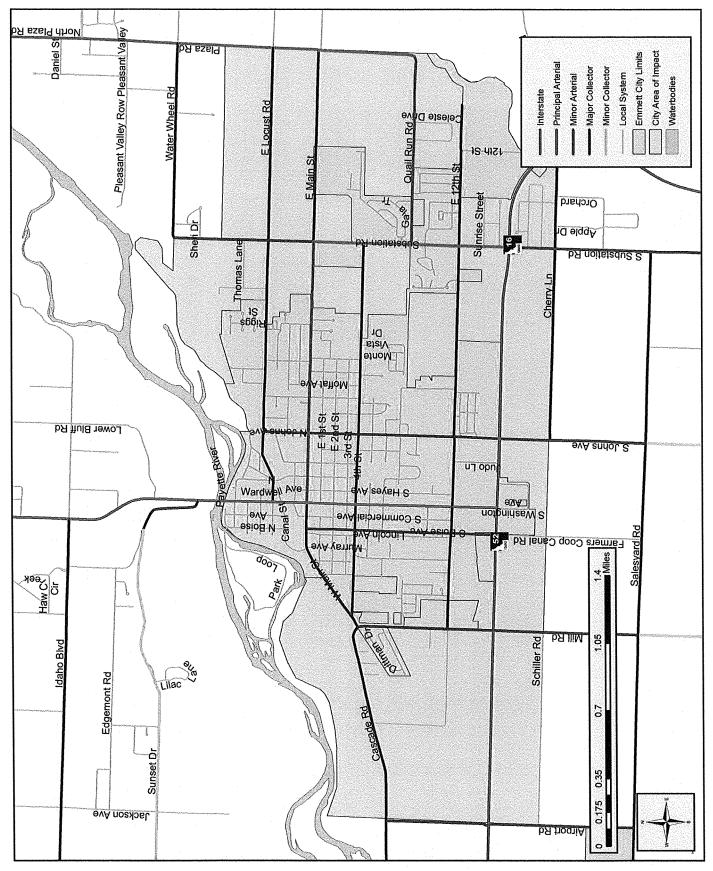


Figure 6 - Current Functional Classification (ITD 2025)





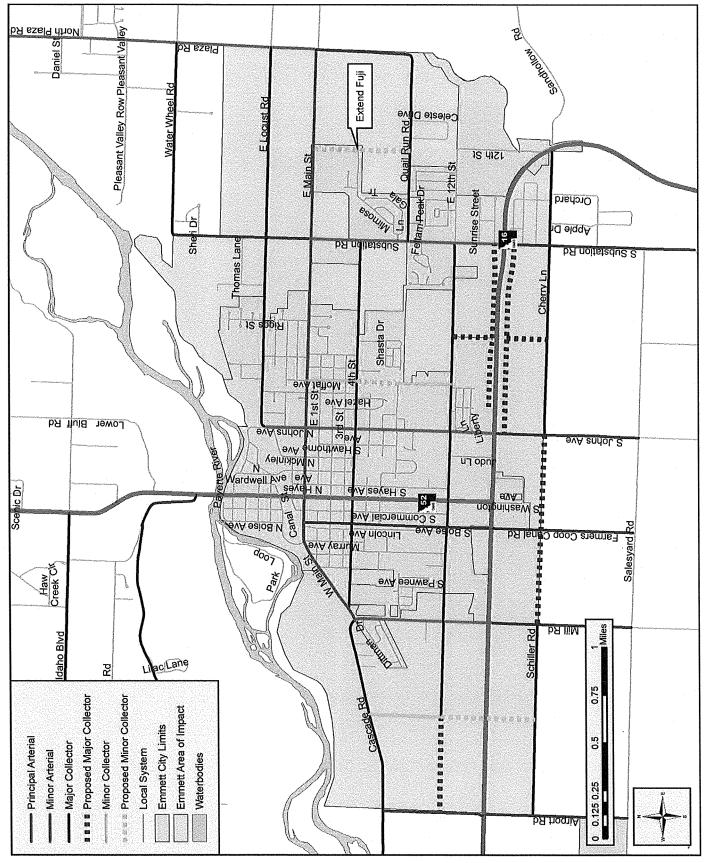


Figure 31 - Future Functional Classification and New Roads





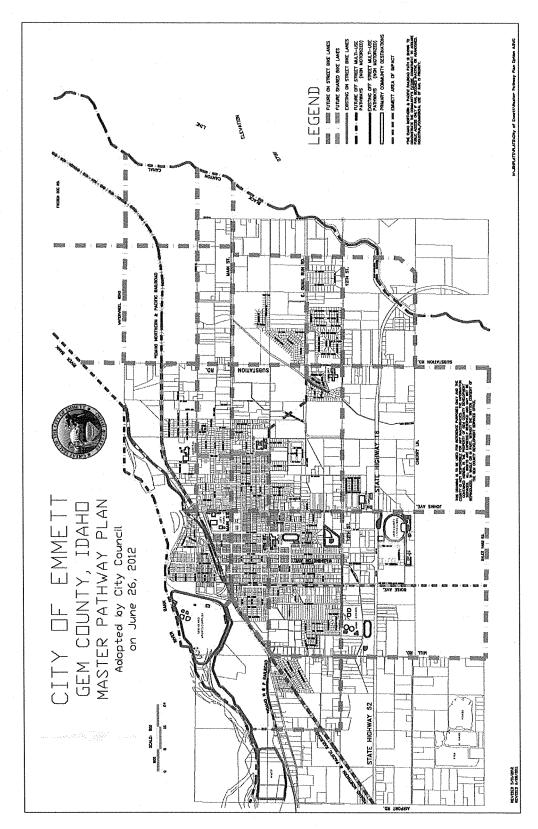


Figure 9 - Pathway Map





#### APPENDIX B

Existing Traffic Data

L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0001

Intersection: Cottonwood Creek / 12th St City, State: Emmett, Idaho

Control: No Control

File Name: Cottonwood Creek Ave & 12th St

Site Code : 00000000

Start Date : 11/17/2021

1	Cotto	nwood C	reek Av	enue		12th S	Street	]		12th S	Street		
		From	North			From	East			From	West		
Start Time	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	Int. Tota
07:00 AM	0	0	0	0	0	0	0	0	1	0	0	1	
07:15 AM	0	0	0	0	0	0	0	0	2	0	0	2	
07:30 AM	0	0	0	0	0	1	0	1	1	0	0	1	
07:45 AM	0	0	0	0	0	1	0	1	0	0	0	0	
Total	0	0	0	0	0	2	0	2	4	0	0	4	
08:00 AM	0	0	0	0	0	1	0	1	0	0	0	0	
08:15 AM	0	0	0	0	0	. 1	0	1	1	0	0	1	
08:30 AM	0	0	0	0	0	3	0	3	1	0	0	1	
08:45 AM	0	0	0	0	0	6	0	6	5	0	0	5	1
Total	0	0	0	0	. 0	11	0	11	7	0	0	. 7	
04:00 PM	0	0	0	0	0	1	0	1	2	0	0	2	A CONTRACTOR OF THE CONTRACTOR
04:15 PM	0	0	0	0	0	1	0	1	4	0	0	4	
04:30 PM	0	0	0	0	0	2	0	2	1	0	0	1	
04:45 PM	00	0	0	0	2	3	0	5	0	0	0	0	
Total	0	0	0	0	2	7	0	9	7	0	0	7	
05:00 PM	0	3	0	3	0	2 2	0	2 2	2 3	1	0	3	
05:15 PM	0	0	0	0	0	2	0	2	. 3	0	0	. 3	
05:45 PM	0	0	0	0	0	2	0	2	2	0	0	2	
Total	0	3	0	3	0	6	0	6	7	1	0	8	
Grand Total	. 0	3	0	3	. 2	26	0	28	25	1	0	26	
Apprch %	0	100	0		7.1	92.9	0		96.2	3.8	0		1
Total %	0	5.3	0	5.3	3.5	45.6	0	49.1	43.9	1.8	0	45.6	

L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0001

Intersection: Cottonwood Creek / 12th St

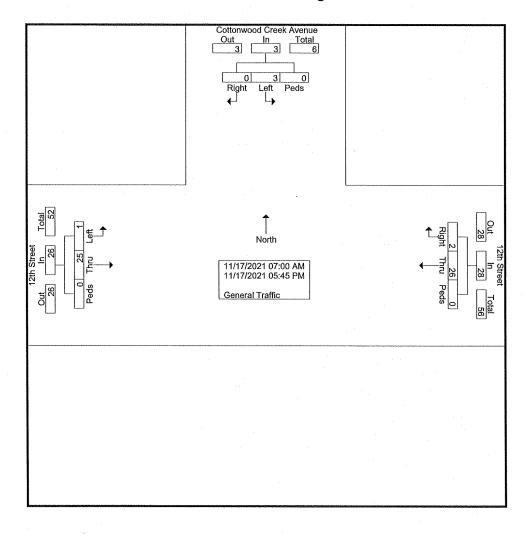
City, State: Emmett, Idaho

Control: No Control

File Name: Cottonwood Creek Ave & 12th St

Site Code : 00000000

Start Date : 11/17/2021



L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0001

Intersection: Cottonwood Creek / 12th St

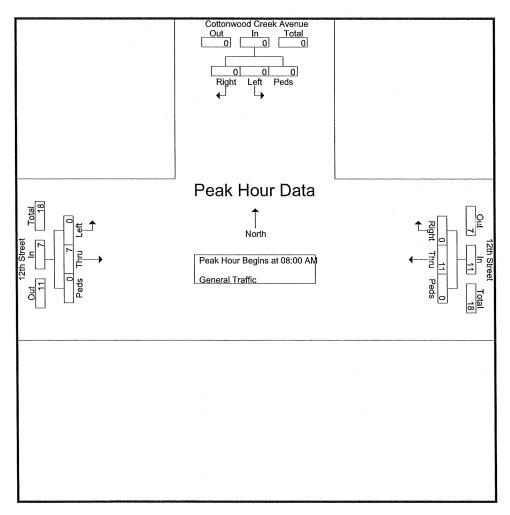
City, State: Emmett, Idaho

Control: No Control

File Name: Cottonwood Creek Ave & 12th St

Site Code : 00000000 Start Date : 11/17/2021

	Cotto	onwood C	reek Ave	enue		12th S	Street			12th :	Street		
		From	North			From	East			From	West		
Start Time	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis	From 07:0	0 AM to 1	1:45 AM	- Peak 1 of 1									
Peak Hour for Entire	e Intersecti	on Begins	at 08:00.	AM .									
08:00 AM	0	0	0	0	0	1	0	1	0	0	0	0	1
08:15 AM	0	0	0	0	0	1	0	1	1	0	0	1	2
08:30 AM	0	0	0	0	0	3	. 0	3	1	0	0	1	4
08:45 AM	0	0	0	0	0	6	0	6	5	0	0	5	11
Total Volume	0	0	0	0	0	11	0	11	7	0	0	7	18
% App. Total	0	0	0		0	100	0		100	0	0		
PHF	.000	.000	.000	.000	.000	.458	.000	.458	.350	.000	.000	.350	.409



L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0001

Intersection: Cottonwood Creek / 12th St

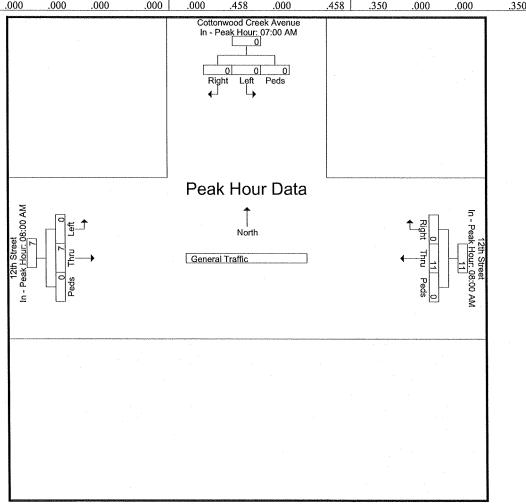
City, State: Emmett, Idaho

Control: No Control

File Name: Cottonwood Creek Ave & 12th St

Site Code : 00000000 Start Date : 11/17/2021

	Cotton	wood C	reek Ave		T	12th S	Stunat		I	1245 6			I
	Cotton			nue						12th S			
		From	North			From	East	·		From	West		
Start Time	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	Int. Tot
eak Hour Analysis	From 07:00	AM to 1	1:45 AM	- Peak 1 of	1								
eak Hour for Each	Approach B	egins at:											
	07:00 AM				08:00 AM				08:00 AM				
+0 mins.	0	0	0	0	0	1	0	1	0	0	0	0	
+15 mins.	0	0	0	0	0	1	0	1	1	0	0	1	
+30 mins.	0	0	0	0	0	3	0	3	1	0	0	1	
+45 mins.	0	0	0.	0	0	6	0	6	5	0	0	5	
Total Volume	0	0	0	0	0	11	0	11	7	0	0	7	
% App. Total	0	0	0		0	100	0		100	0	0		
DITE	000	000	000	000	000	450	000	4.00	250	000	000	250	1



L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0001

Intersection: Cottonwood Creek / 12th St

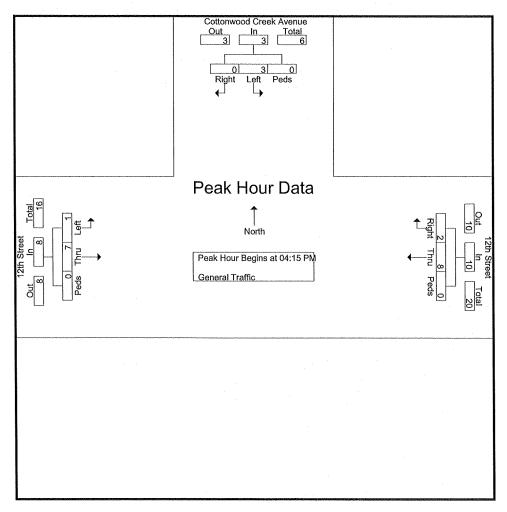
City, State: Emmett, Idaho

Control: No Control

File Name: Cottonwood Creek Ave & 12th St

Site Code : 00000000 Start Date : 11/17/2021

	Cotto	iwood C From		enue			Street East				Street West		
Start Time	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Analysis	From 12:00	PM to 0.	5:45 PM	- Peak 1 of 1									
Peak Hour for Entire	e Intersection	n Begins	at 04:15	PM									
04:15 PM	0	0	0	0	0	1	0	1	4	0	0	4	5
04:30 PM	0	0	0	0	0	2	0	2	1	0	0	1	3
04:45 PM	0	0	0	0	2	3	0	5	0	0	0	0	5
05:00 PM	0	3	0	3	0	2	0	2	2	1	0	3	8
Total Volume	0	3	0	3	2	8	0	10	7	1	0	8	21
% App. Total	0	100	. 0		20	80	0		87.5	12.5	0		
PHF	.000	.250	.000	.250	.250	.667	.000	.500	.438	.250	.000	.500	.656



L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0001 Intersection: Cottonwood Creek / 12th St City, State: Emmett, Idaho

Control: No Control

File Name: Cottonwood Creek Ave & 12th St

Site Code : 00000000

Start Date : 11/17/2021

Start Time eak Hour Analysis F		nwood C From	North			12th S From				12th S From		_	
Start Time	Right	Left	Peds	App. Total	Right	Thru	Peds	App. Total	Thru	Left		App. Total	Int. Total
eak Hour Analysis	From 12:00	PM to 0:	5:45 PM	- Peak 1 of 1									
eak Hour for Each		Begins at:			T				T				İ
10	04:15 PM	^	0	^	04:30 PM	^	^	^	04:15 PM	0	0		
+0 mins.	0	0	0	. 0	0 2	2	0	2 5	4	0	0	4	
+15 mins. +30 mins.	0 0	0	0	0	0	<b>3</b> 2	0	2	1 0	0	0	1 0	
+45 mins.	0	3	0	3	0	2	0	2	2	1	0	3	
Total Volume	0	3	0	3	2	9	0	11	7	<u>î</u>	0	8	
% App. Total	ő	100	0	,	18,2	81.8	0	11	87.5	12.5	. 0	Ü	
PHF	.000	.250	.000	.250	.250	.750	.000	.550	.438	.250	.000	.500	
	<b></b>					nwood Cre							•
					In - F	Peak Hour:	04:15 PN					1	
						Peak Hour:							
	İ				·								
	1					0 3	0					1	
	ı					ght Left	Peds					1	
					+	L .		ŀ					
												1	
	- 1											1	
												ı	
				***************************************				. L			-		
					Pea	k Hou	r Da	ta					
	12th Street In - Peak <u>Hour:</u> 04:15 PM					1				. —	In - Peak Hour. 04:30 PM		
	1.75	## ## ## ## ## ## ## ## ## ## ## ## ##				i North				↑ Right 2	'p		
	# 5 W					NOIGI				# 12	a×	ನ	
	Stre	Thru			[0	ıl Traffic				<b>4</b> ⇒	딩	<b>\$</b>	
	투슈	f			Genera	птатис				+ Thru	± 5	Stre	
	12 eal	0 0									4	ğ	
	1	Peds								Peds			
	=									ه <u>ا</u>	ž		
	1												
	1											1	

L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0001

Intersection: Cottonwood Creek / 12th St

City, State: Emmett, Idaho

Control: No Control

File Name: Cottonwood Creek Ave & 12th St

Site Code : 00000000 Start Date : 11/17/2021

Page No : 7

#### Image 1



L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0001

Intersection: South Mill / Homestead Dr

City, State: Emmett, Idaho

Control: Stop Sign

File Name: South Mill Rd & Homestead Dr

Site Code : 00000000 Start Date : 11/17/2021

Page No : 1

**Groups Printed- General Traffic** 

	South Mill Road From North				oroupo r	Homeste	ad Drive	)		South M	ill Road		
		From	North			From So	uthwest			From	South		
Start Time	Bear Right	Thru	Peds	App. Total	Hard Right	Bear Left	Peds	App. Total	Thru	Hard Left	Peds	App. Total	Int. Total
07:00 AM	1	11	0	12	3	1	0	4	8	0	0	8	24
07:15 AM	0	49	0	49	. 3	1	0	4	27	0	0	27	80
07:30 AM	2	51	0	53	3	4	0	7	26	0	0	26	86
07:45 AM	0	14	0	14	3	0	1	4	23	0	0	23	41
Total	3	125	. 0	128	12	6	1	19	84	0	0	84	231
08:00 AM	0	15	0	15	0	0	. 0	0	18	0	0	18	33
08:15 AM	2	15	0	17	3	1	0	4	13	0	0	13	34
08:30 AM	0	9	0	9	0	2	0	2	18	1	0	19	30
08:45 AM	1	14	0	15	3	3	0	6	14	0	0	14	35
Total	3	53	0	56	6	6	0	12	63	.1	0	64	132
04:00 PM	1	20	0	21	1	2	0	3	25	3	0	28	52
04:15 PM	0	20	0	20	4	1	0	5	28	2	0	30	55
04:30 PM	0	16	0	16	3	1	0	4	26	3	0	29	49
04:45 PM	1	23	0	24	0	0	0		16	2	0	18	42
Total	2	79	0	81	8	4	0	12	95	10	0	105	198
05:00 PM	1	21	0	22	4	0	0	4	16	3	0	19	45
05:15 PM	0	16	0	16	0	0	0	0	21	3	0	24	40
05:30 PM	1	17	0	18	0	0	0		24	5	0	29	47
05:45 PM	1	15	0	16	1	1	0		23	1	0	24	42
Total	3	69	0	72	5	1	0	6	84	12	0	96	174
Grand Total	11	326	0	337	31	17	1	49	326	23	0	349	735
Apprch %	3.3	96.7	0		63.3	34.7	2		93.4	6.6	0		
Total %	1.5	44.4	0	45.9	4.2	2.3	0.1	6.7	44.4	3.1	0	47.5	

L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0001

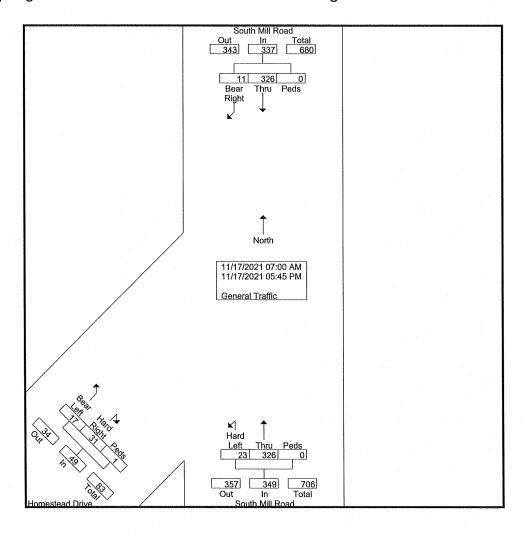
Intersection: South Mill / Homestead Dr

City, State: Emmett, Idaho

Control: Stop Sign

File Name: South Mill Rd & Homestead Dr

Site Code : 00000000 Start Date : 11/17/2021



L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0001

Intersection: South Mill / Homestead Dr

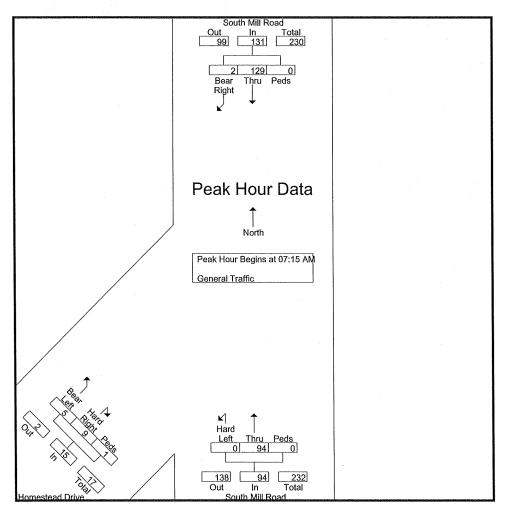
City, State: Emmett, Idaho

Control: Stop Sign

File Name: South Mill Rd & Homestead Dr

Site Code : 00000000 Start Date : 11/17/2021

			Iill Road North			Homeste From So				South M From			į
Start Time	Bear Right	Thru	Peds	App. Total	Hard Right	Bear Left	Peds	App. Total	Thru	Hard Left	Peds	App. Total	Int. Total
Peak Hour Analysis	From 07:00	AM to	11:45 AM	- Peak 1 of	Į								
Peak Hour for Entire	e Intersection	n Begins	at 07:15	AM									
07:15 AM	0	49	0	49	3	1	0	4	27	0	0	27	80
07:30 AM	2	51	0	53	3	4	0	7	26	. 0	0	26	86
07:45 AM	0	14	0	14	3	0	1	4	23	0	0	23	41
08:00 AM	. 0	15	0	15	0	0	0	0	18	0	0	18	33
Total Volume	2	129	0	131	9	5	1	15	94	0	0	94	240
% App. Total	1,5	98.5	0		60	33,3	6.7		100	0	0	-	
PHF	.250	.632	.000	,618	.750	.313	.250	.536	.870	.000	.000	.870	.698



L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0001

Intersection: South Mill / Homestead Dr

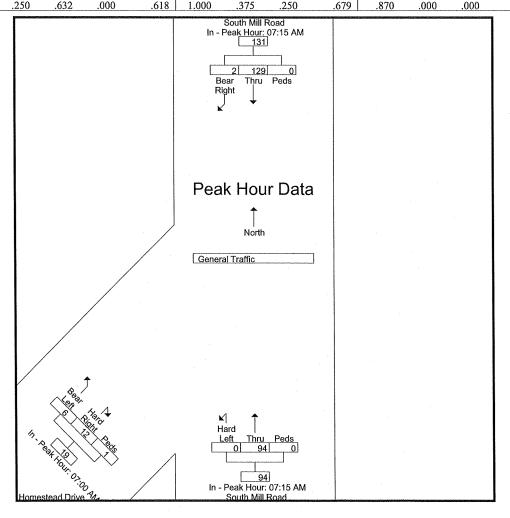
City, State: Emmett, Idaho

Control: Stop Sign

File Name: South Mill Rd & Homestead Dr

Site Code : 00000000 Start Date : 11/17/2021

			Iill Road North	-		Homeste From So				South M From			
Ct. + TP!	<u> </u>			A	ļ	T		1	701		·	4 20 . 1	7 / 75 /
Start Time	Bear Right	Thru	Peds	App. Total	Hard Right	Bear Left	Peds	App. Total	Thru	Hard Left	Peds	App. Total	Int. Tota
Peak Hour Analysis	From 07:0	00 AM to	l 1:45 AM	- Peak 1 of	1								
Peak Hour for Each	Approach	Begins at:											
	07:15 AM				07:00 AM	[			07:15 AM	[			
+0 mins.	0	49	0	49	. 3	1	0	4	27	0	0	27	
+15 mins.	2	51	0	53	3	1	0	4	26	0	0	26	
+30 mins.	0	14	0	14	3	4	0	7	23	0	0	23	
+45 mins.	0	15	0	15	3	0	1	4	18	0	0	18	
Total Volume	2	129	0	131	12	6	1	19	94	0	0	94	
% App. Total	1.5	98.5	0		63.2	31.6	5.3		100	0	0		
PHF	.250	.632	.000	.618	1.000	.375	.250	.679	.870	.000	.000	.870	



L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0001

Intersection: South Mill / Homestead Dr

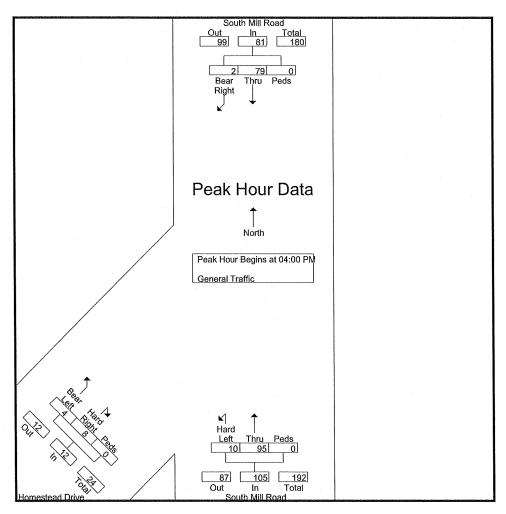
City, State: Emmett, Idaho

Control: Stop Sign

File Name: South Mill Rd & Homestead Dr

Site Code : 00000000 Start Date : 11/17/2021

			Iill Road North			Homeste From So							
Start Time	Bear Right	Thru	Peds	App. Total	Hard Right	Bear Left	Peds	App. Total	Thru	Hard Left	Peds	App. Total	Int. Total
Peak Hour Analysis	From 12:0	00 PM to 0	5:45 PM	- Peak 1 of 1									
Peak Hour for Entire	e Intersecti	ion Begins	at 04:00	PM									
04:00 PM	1	20	0	21	1	2	0	3	25	3	0	28	52
04:15 PM	0	20	0	20	4	1	0	5	28	2	0	30	55
04:30 PM	0	16	0	16	3	1	0	4	26	3	0	29	49
04:45 PM	1	23	0	24	0	0	0	0	16	2	0	18	42
Total Volume	2	79	0	81	8	4	0	12	95	10	0	105	198
% App. Total	2.5	97.5	0		66.7	33.3	0		90.5	9.5	0		
PHF	.500	.859	.000	.844	.500	.500	.000	.600	.848	.833	.000	.875	.900



L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0001

Intersection: South Mill / Homestead Dr

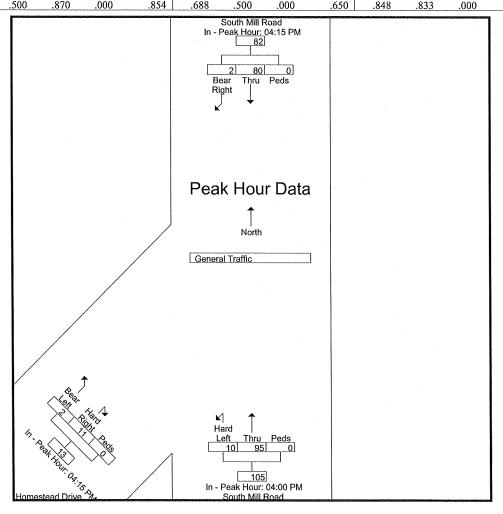
City, State: Emmett, Idaho

Control: Stop Sign

File Name: South Mill Rd & Homestead Dr

Site Code : 00000000 Start Date : 11/17/2021

	·	****											_
		South Mill Road				Homeste	ad Drive	!					
	From North					From So	uthwest						
Start Time	Bear Right	Thru	Peds	App. Total	Hard Right	Bear Left	Peds	App. Total	Thru	Hard Left	Peds	App. Total	Int. Tota
Peak Hour Analysis	From 12:0	0 PM to 0	5:45 PM	- Peak 1 of 1									
Peak Hour for Each	Approach l	Begins at:											_
	04:15 PM				04:15 PM				04:00 PM				
+0 mins.	0	20	0	20	4	1	0	5	25	3	0	28	
+15 mins.	0	16	0	16	3	1	0	4	28	2	0	30	
+30 mins.	1	23	0	24	0	0	0	0	26	. 3	0	29	
+45 mins.	1	21	0	22	4	0	0	4	16	2	0	18	
Total Volume	2	80	0	82	11	2	0	13	95	10	0	105	
% App. Total	2.4	97.6	0		84.6	15.4	0		90.5	9.5	0		
PHF	.500	.870	.000	.854	.688	.500	.000	.650	.848	.833	.000	.875	



L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0001

Intersection: South Mill / Homestead Dr

City, State: Emmett, Idaho

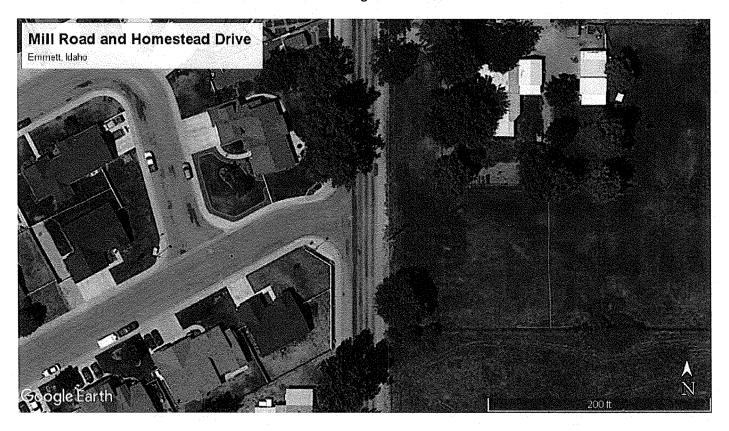
Control: Stop Sign

File Name: South Mill Rd & Homestead Dr

Site Code : 00000000 Start Date : 11/17/2021

Page No : 7

#### Image 1



L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0002

Intersection: South Mill / Homestead Dr City, State: Emmett, Idaho Control: Stop Sign

File Name : South Mill Rd & Homestead Dr Site Code : 00000000 Start Date : 1/13/2022

				(	Groups P	rinted- Ge	neral Tr	affic					
		South Mil					Iill Road						
		From N				From	South	,		From So			
Start Time	Bear Right	Thru	Peds	App. Total	Thru	Hard Left	Peds	App. Total	Hard Right	Bear Left	Peds	App. Total	Int. Total
04:30 AM	0	0	0	0	2	0	0	2	1	0	0	1	3
04:45 AM	0	5	0	5	5	0	0	5	0	1	0	1	11_
Total	0	5	0	5	7	0	0	7	1	1	0	2	14
05:00 AM	0	3	0	3	4	0	0	4	0	0	0	0	7.
05:15 AM	0	1	0	1	4	0	0	4	0	0	0	0	5
05:30 AM	1	7	0	8	7	0	0	7	1	0	0	1	16
05:45 AM	0	7	0	7	11	0	0	11	1	1	0	2	20
Total	I	18	0	19	26	0	0	26	2	1	0	3	48
06:00 AM	1	5	0	6	5	0	0	5	3	0	0	3	14
06:15 AM	0	7	0	. 7	4	1	0	5	2	1	0	3	15
06:30 AM	0	9	0	9	6	0	0	6	0	0	0	0	15
06:45 AM	00	9	0	9	10	0	0	10	1	0	0	1	20
Total	1	30	0	31	25	1	0	26	6	1	0	7	64
******													
02:00 PM	1	25	0	26	15	2	0	17	l 0	1	0	1	44
02:15 PM	0	19	0	19	16	2	0	18	0	1	0	1	38
02:30 PM	0	16	0	16	19	3	0	22	0	2	0	2	40
02:45 PM	0	40	0	40	31	1	0	32	2	2	0	4	76
Total	1	100	0	101	81	8	0	89	2	6	0	8	198
03:00 PM	5	23	0	28	45	5	. 0	50	3	2	1	6	84
03:15 PM	0	21	0	21	24	6	0	30	1	1	0	2	53
03:30 PM	1	15	0	16	14	2	0	16	1	1	0	2	34
03:45 PM	1	20	0	21	18	3	0	21	3	1	0	4	46
Total	7	79	0	86	101	16	0	117	8	5	1	14	217
Grand Total	10	232	0	242	240	25	0	265	19	14	1	34	541
Apprch %	4.1	95.9	0		90.6	9.4	0		55.9	41.2	2.9		
Total %	1.8	42.9	0	44.7	44.4	4.6	0	49	3.5	2.6	0.2	6.3	

L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

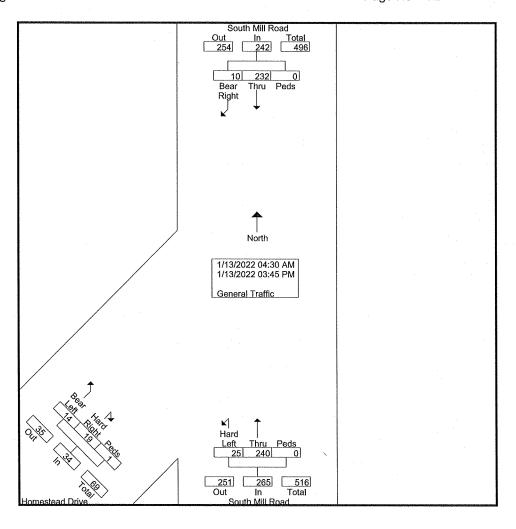
Study: TJW0002

Intersection: South Mill / Homestead Dr City, State: Emmett, Idaho

Control: Stop Sign

File Name : South Mill Rd & Homestead Dr Site Code : 00000000

Start Date : 1/13/2022



L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0002

Intersection: South Mill / Homestead Dr

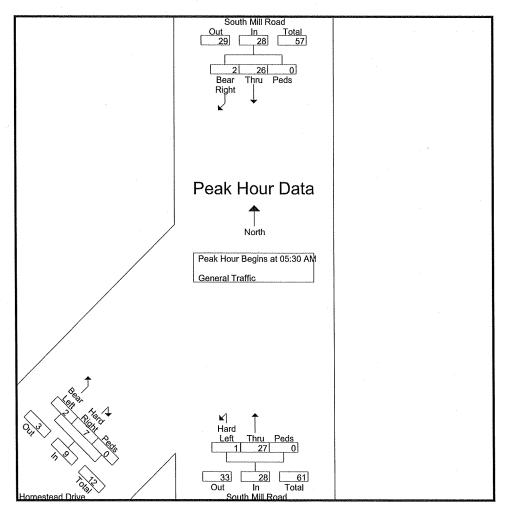
City, State: Emmett, Idaho

Control: Stop Sign

File Name: South Mill Rd & Homestead Dr

Site Code : 00000000 Start Date : 1/13/2022

	South Mill Road From North						Iill Road						
						From	South						
Start Time	Bear Right	Thru	Peds	App. Total	Thru	Hard Left	Peds	App. Total	Hard Right	Bear Left	Peds	App. Total	Int. Total
Peak Hour Analysis	From 04:3	0 AM to 1	l:45 AM -	Peak 1 of 1									
Peak Hour for Entire	Intersection	on Begins a	at 05:30 A	M									
05:30 AM	1	7	0	8	7	0	0	7	1	0	0	1	16
05:45 AM	0	7	0	7	11	0	0	11	- 1	-1	0	2	20
06:00 AM	1	5	0	6	5	0	0	5	3	0	0	3	14
06:15 AM	0	7	0	7	4	1	0	5	2	1	0	3	15
Total Volume	2	26	0	28	27	1	0	28	7	2	0	9	65
% App. Total	7.1	92.9	0		96.4	3.6	0		77.8	22,2	0		
PHF	.500	.929	.000	.875	.614	.250	.000	.636	.583	.500	.000	.750	.813



L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0002 Intersection: South Mill / Homestead Dr

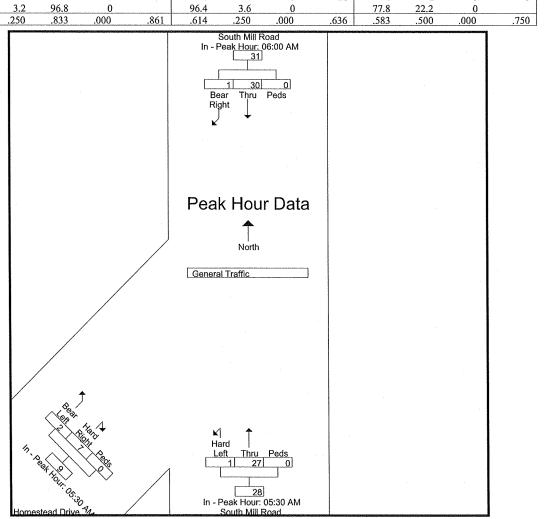
City, State: Emmett, Idaho

Control: Stop Sign

File Name: South Mill Rd & Homestead Dr

Site Code : 00000000 Start Date : 1/13/2022

		South M	ill Road			South M	ill Road		Homestead Drive				
				From	South		From Southwest						
Start Time	Bear Right	Thru	Peds	App. Total	Thru	Hard Left	Peds	App. Total	Hard Right	Bear Left	Peds	App. Total	
Peak Hour Analysis	From 04:30.	AM to 11	:45 AM - I	Peak I of 1									
Peak Hour for Each	Approach Be	gins at:											
	06:00 AM				05:30 AM				05:30 AN	Л			
+0 mins.	1	5	0	6	7	0	0	7	1	0	0	1	
+15 mins.	0	7	0	7	11	0	0	11	1	1	0	2	
+30 mins.	0	9	0	9	5	0	0	5	3	0	0	3	
+45 mins.	0	9	0	9	4	1	0	5	2	1	0	3	
Total Volume	1	30	0	31	27	1	0	28	7	2	0	9	
% App. Total	3.2	96.8	0		96.4	3.6	0		77.8	22,2	0		
PHF	250	833	000	861	614	250	000	636	583	500	000	750	



L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

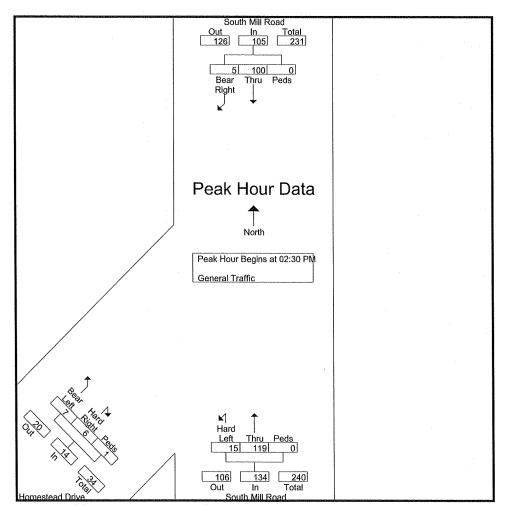
Study: TJW0002 Intersection: South Mill / Homestead Dr City, State: Emmett, Idaho

Control: Stop Sign

File Name: South Mill Rd & Homestead Dr

Site Code : 00000000 Start Date : 1/13/2022

		South Mill Road				South M	Iill Road						
		From	North			From	South						
Start Time	Bear Right	Thru	Peds	App. Total	Thru	Hard Left	Peds	App. Total	Hard Right	Bear Left	Peds	App. Total	Int. Total
Peak Hour Analysis	From 12:0	0 PM to 03	:45 PM -	Peak 1 of 1									
Peak Hour for Entire	Intersection	on Begins a	at 02:30 Pl	M									
02:30 PM	0	16	0	16	19	3	0	22	0	2	0	2	40
02:45 PM	0	40	0	40	31	1	0	32	2	2	0	4	- 76
03:00 PM	5	23	0	28	45	5	0	50	3	2	1	6	84
03:15 PM	0	21	0	21	24	6	0	30	1	1	0	2	53
Total Volume	5	100	0	105	119	15	0	134	6	7	1	14	253
% App. Total	4.8	95.2	0		88.8	11.2	0		42.9	50	7.1		
PHF	.250	.625	.000	.656	.661	.625	.000	.670	.500	.875	.250	.583	.753



L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0002

Intersection: South Mill / Homestead Dr

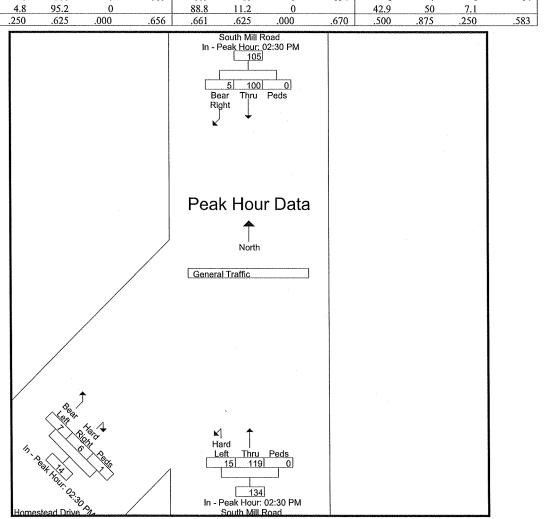
City, State: Emmett, Idaho

Control: Stop Sign

File Name: South Mill Rd & Homestead Dr

Site Code : 00000000 Start Date : 1/13/2022

		South Mi	ill Road			South N	lill Road			Homeste	ad Drive		
		From 1	North			From	South			From So	uthwest		
Start Time	Bear Right	Thru	Peds	App. Total	Thru	Hard Left	Peds	App. Total	Hard Right	Bear Left	Peds A	pp. Total	Int. To
eak Hour Analysis	From 12:00	PM to 03:4	45 PM - 1	Peak 1 of 1									
eak Hour for Each	Approach B	egins at:											_
	02:30 PM				02:30 PM				02:30 PM	ĺ			
+0 mins.	0	16	0	16	19	3	0	22	0	2	0	2	
+15 mins.	0	40	0	40	31	1	0	32	2	2	0	4	ĺ
+30 mins.	5	23	0	28	45	5	0	50	3	2	1	6	
+45 mins.	0	21	0	21	24	6	0	30	1	1	0	2	ŀ
Total Volume	5	100	0	105	119	15	0	134	6	7	1	14	
% App. Total	4.8	95.2	0		88.8	11.2	0		42.9	50	7.1		
DHE	250	625	000	656	661	625	000	670	500	975	250	592	



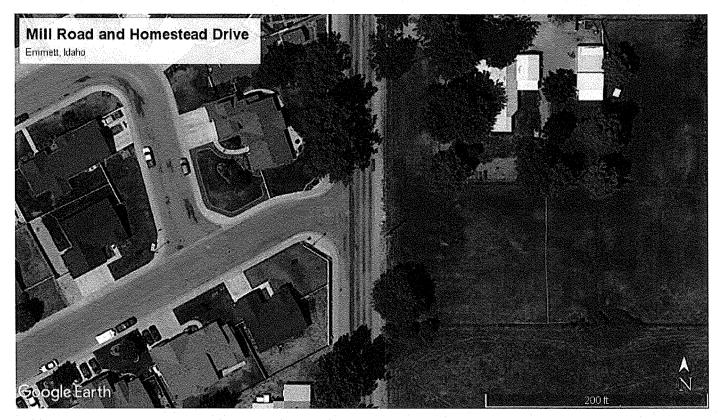
L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0002

Intersection: South Mill / Homestead Dr City, State: Emmett, Idaho Control: Stop Sign

File Name : South Mill Rd & Homestead Dr Site Code : 00000000 Start Date : 1/13/2022 Page No : 7

Image 1



L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0001

Intersection: South Mill Rd / 12th St

City, State: Emmett, Idaho

Control: Stop Sign

File Name: South Mill Rd & 12th St

Site Code : 00000000 Start Date : 11/17/2021

Page No : 1

Groups Printed- General Traffic

			h Mill					th Str	eet			Sout	h Mill		***************************************		12	th Stre	et		
***		Fr	om No	rth			F	rom E	ast			Fr	om So	uth			Fr	om W	est		
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int, Total
07:00 AM	0	6	6	0	12	1	0	6	0	7	1	5	0	0	6	1	0	0	0	1	26
07:15 AM	0	29	22	0	51	7	1	3	0	11	23	14	0	0	37	2	0	1	0	3	102
07:30 AM	0	19	34	0	53	7	0	6	0	- 13	36	9	0	0	45	0	0	1	0	1	112
07:45 AM	1	15	5_	0	21	0	0	6	0	6	6	14	0	0	20	1	0	0	0	1	48
Total	1	69	67	0	137	15	1	21	0	37	66	42	0	0	108	4	0	2	0	6	288
08:00 AM	0	13	3	0	16	2	0	3	0	5	1	14	1	0	16	0	1	0	. 0	1	38
08:15 AM	0	16	1	0	17	1	1	0	0	2	0	7	0	0	7	. 2	1	0	0	3	29
08:30 AM	4	10	0	0	14	1	0	0	0	1	1	17	3	0	21	0	0	1	0	1	37
08:45 AM	1_	12	1	0	14	0	0	1	0	1	2	10	4	0	16	1	4	2	0	7	38
Total	5	51	5	0	61	4	1	4	0	9	4	48	8	0	60	3	6	3	0	12	142
						ı															1
04:00 PM	1	19	2	0	22	3	1	6	1	11	3	21	1	0	25	0	0	1	0	1	59
04:15 PM	0	21	3	0	24	3	0	0	0	3	0	23	0	0	23	0	2	3	0	5	55
04:30 PM	0	13	2	0	15	2	1	1	0	4	5	29	2	0	36	2	1	0	0	3	58
04:45 PM	2	16	0	0	18	1	1_	1_	0_	3	6		2	0	28	1	0	0	0	1	50
Total	3	69	7	0	79	9	3	8	. 1	21	14	93	5	0	112	3	3	4	0	10	222
	ı					1					i					1					1
05:00 PM	0	18	4	0	22	. 1	0	3	0	4	3	15	3	0	21	2	4	2	0	8	55
05:15 PM	0	12	3	0	15	0	2	2	0	4	2	24	3	0	29	3	2	0	0	5	53
05:30 PM	1	11	2	0	14	6	1	2	0	. 9	7	25	2	0	34	0	1	0	0	1	58
05:45 PM	0	12_	2_	0	14	4	3	8	0	15	5	20	11	0	26	1	1	0	0	2	57
Total	1	53	11	0	65	11	6	15	0	32	17	84	9	0	110	6	8	2	0	16	223
																ı					
Grand Total	10	242	90	0	342	39	11	48	1	99	101	267	22	0	390	16	17	11	0	44	875
Apprch %	2.9	70.8	26.3	0		39.4	11.1	48.5	1		25.9	68.5	5.6	0		36.4	38.6	25	0		
Total %	1.1	27.7	10.3	0	39.1	4.5	1.3	5.5	0.1	11.3	11.5	30.5	2.5	0	44.6	1.8	1.9	1.3	0	5	

L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0001

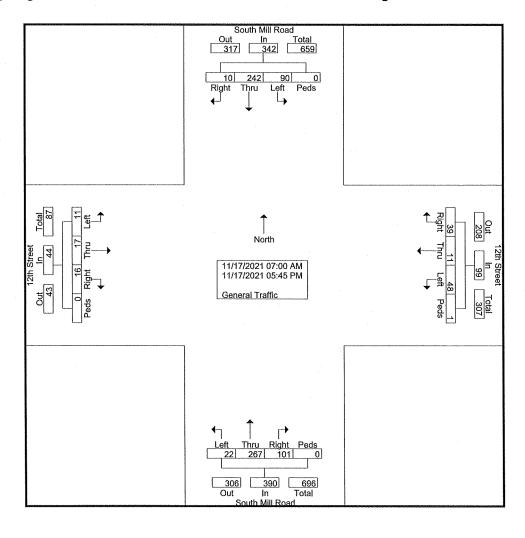
Intersection: South Mill Rd / 12th St

City, State: Emmett, Idaho

Control: Stop Sign

File Name: South Mill Rd & 12th St

Site Code : 00000000 Start Date : 11/17/2021



L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0001

Intersection: South Mill Rd / 12th St

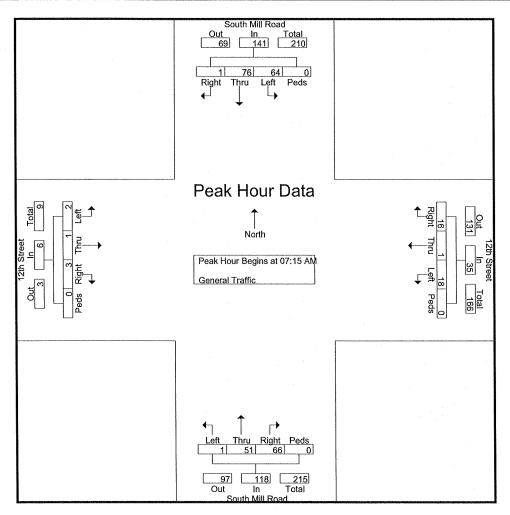
City, State: Emmett, Idaho

Control: Stop Sign

File Name: South Mill Rd & 12th St

Site Code : 00000000 Start Date : 11/17/2021

			h Mill om No					th Str					h Mill om So					th Str			
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour A	nalysis	From	07:00	AM to	11:45 A	M - P	eak I o	f l													
Peak Hour fo	r Entir	e Inter	section	Begin	s at 07:1	5 AM					_										
07:15 AM	0	29	22	0	51	7	1	3	0	11	23	14	0	0	37	2	.0	1	0	3	102
07:30 AM	0	19	34	0	53	7	0	6	0	13	36	9	0	0	45	0	0	1	0	1	112
07:45 AM	1	15	5	0	21	0	0	6	0	6	6	14	0	0	20	1	0	0	0	1	48
08:00 AM	0	13	3	0	16	2	0	3	0	5	1	14	1	0	16	0	1	0	0	1	38
Total Volume	1	76	64	0	141	16	1	18	0	35	66	51	1	0	118	3	1	2	0	6	300
% App. Total	0.7	53.9	45.4	0		45.7	2.9	51.4	0_		55.9	43.2	0.8	0		50	16.7	33.3	0		
PHF	.250	.655	.471	.000	.665	.571	.250	.750	.000	.673	.458	.911	.250	.000	.656	.375	.250	.500	.000	.500	.670



L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0001

Intersection: South Mill Rd / 12th St

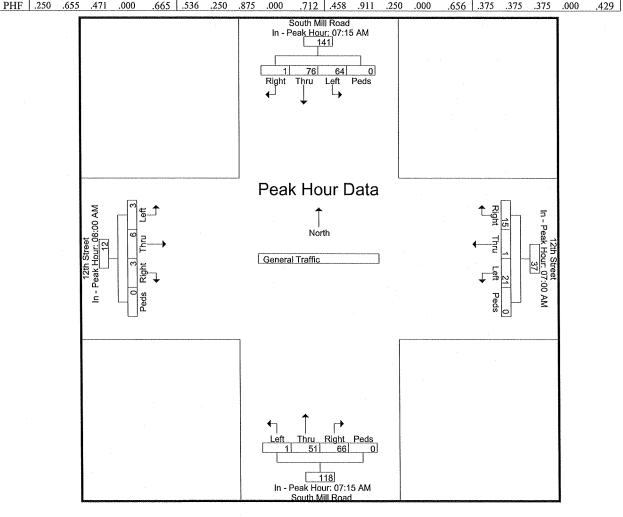
City, State: Emmett, Idaho

Control: Stop Sign

File Name: South Mill Rd & 12th St

Site Code : 00000000 Start Date : 11/17/2021

		Sout	h Mill	Road			12	th Str	eet			Sout	h Mill	Road			12	th Str	eet		
		Fr	om No	orth			F	rom E	ast			Fr	om So	uth			Fr	om W	est		
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int.
Peak Hour A	nalysis	From	07:00	AM to	11:45 A	M - Pe	ak 1 o	f 1													
Peak Hour fo	r Each	Appro	oach Be	egins a	t:						·										
	07:15 AN	1				07:00 AM					07:15 AN	•			-	08:00 AM					
+0 mins.	0	29	22	0	51	1	0	6	0	7	23	14	0	0	37	0	1	0	0	1	
+15 mins.	0	19	34	0	53	7	1	3	0	11	36	9	0	0	45	2	1	0	0	3	
+30 mins.	1	15	5	0	21	7	0	6	0	13	6	14	0	0	20	0	0	1	0	1	
+45 mins.	0	13	3	0	16	0	0	6	0	6	1	14	1	0	16	1	4	2	0	7	
Total Volume	1	76	64	0	141	15	1	21	0	37	66	51	1	0	118	3	6	3	0	12	
% App. Total	0.7	53.9	45.4	0		40.5	2.7	56.8	0		55.9	43.2	0.8	0		25	50	25	0		
DITE	250	CEE	471	000	((5	526	250	075	000	712	450	011	250	000	101	275	275	275	000	400	1



L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0001

Intersection: South Mill Rd / 12th St

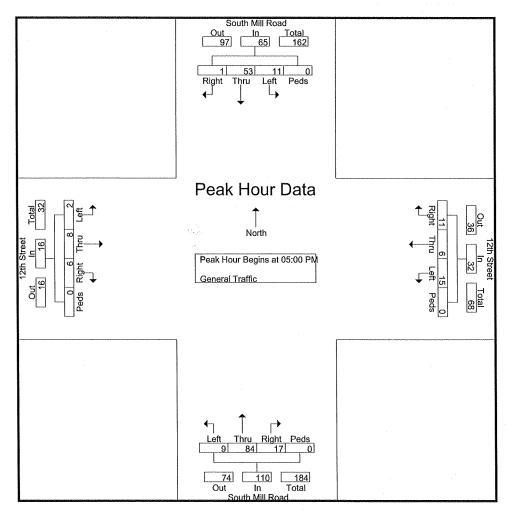
City, State: Emmett, Idaho

Control: Stop Sign

File Name: South Mill Rd & 12th St

Site Code : 00000000 Start Date : 11/17/2021

		Sout	h Mill	Road			12	th Str	eet			Sout	h Mill	Road			12	th Str	eet		
		Fr	om No	orth			F	rom E	ast			Fr	om So	uth			Fı	om W	est .		
Start Time	Right	Thru	Left	Peds	App, Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour A	nalysis	From	12:00	PM to	05:45 P	M - Pe	ak 1 of	1													
Peak Hour fo	r Entir	e Inter	section	Begin:	s at 05:0	00 PM															
05:00 PM	0	18	4	0	22	1	0	3	0	4	. 3	15	3	0	21	2	4	2	0	8	55
05:15 PM	0	12	3	0	15	0	2	2	0	4	2	24	3	0	29	3	2	0	0	5	53
05:30 PM	1	11	2	0	14	6	1	2	0	9	7	25	2	0	34	0	1	0	0	1	58
05;45 PM	0	12	2	0	14	4	3	8	0	15	5	20	1	0	26	1	1	0	0	2	57
Total Volume	1	53	11	0	65	11	6	15	0	32	17	84	9	0	110	6	8	2	0	16	223
% App. Total	1.5	81.5	16.9	0		34.4	18.8	46.9	0		15,5	76.4	8.2	0		37.5	50	12.5	0		
PHF	.250	.736	.688	.000	.739	.458	.500	.469	.000	.533	.607	.840	.750	.000	.809	.500	.500	.250	.000	.500	.961



L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0001

Intersection: South Mill Rd / 12th St

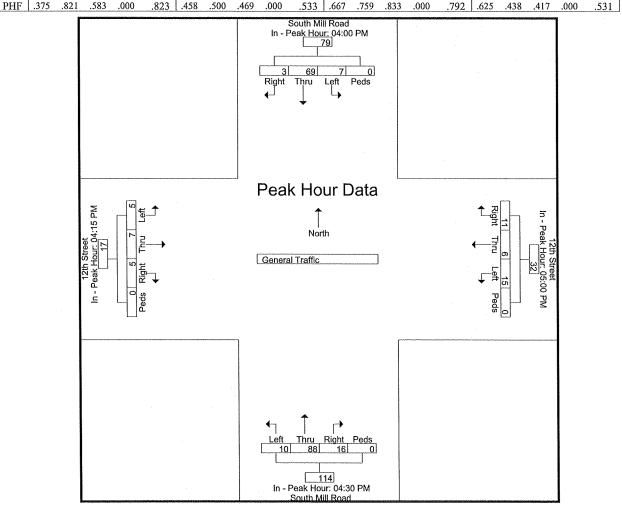
City, State: Emmett, Idaho

Control: Stop Sign

File Name: South Mill Rd & 12th St

Site Code : 00000000 Start Date : 11/17/2021

		Sout	h Mill	Road			12	th Str	eet			Sout	h Mill	Road			12	th Str	eet	
		Fr	om No	rth			F	rom E	ast			Fr	om So	uth			Fı	om W	est	
Start Time	Right	Thru	Left	Peds	App, Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total
Peak Hour A	nalysis	From	12:00	PM to	05:45 P	M - Pe	ak I of	`1												
Peak Hour fo	r Each	Appro	ach Be	gins at	t:				·											
	04:00 PM					05:00 PM					04:30 PM					04:15 PM				
+0 mins.	1	19	2	0	22	1	0	3	0	4	5	29	2	0	36	0	2	3	0	5
+15 mins.	0	21	3	0	24	0	2	2	0	4	6	20	2	0	28	2	1	0	0	3
+30 mins.	0	13	2	0	15	6	1	2	0	9	3	15	3	0	21	1	0	0	0	1
+45 mins.	2	16	0	0	18	4	3	8	0	15	2	24	3	0	29	2	4	2	0	8
Total Volume	3	69	7	0	79	11	6	15	0	32	16	88	10	0	114	5	7	5	0	17
% App. Total	3.8	87.3	8.9	00		34.4	18.8	46.9	0		14	77.2	8.8	0		29.4	41.2	29.4	0 -	
TITLE	0.7.5	^	~ O O	000	000	1.50	=00		000	W 0 0			000	000		/ n =				



L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0001

Intersection: South Mill Rd / 12th St

City, State: Emmett, Idaho

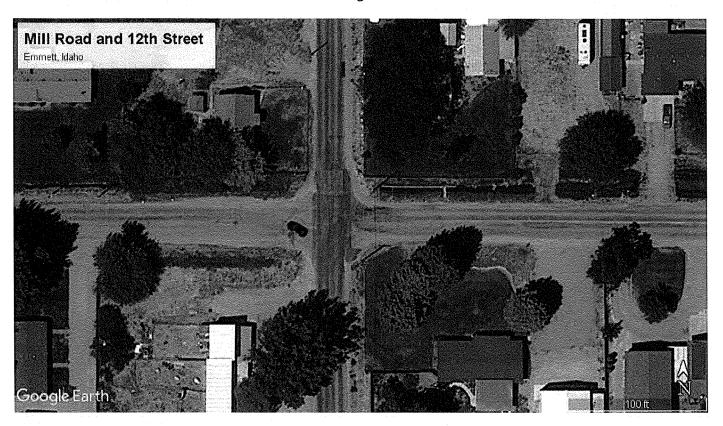
Control: Stop Sign

File Name: South Mill Rd & 12th St

Site Code : 00000000 Start Date : 11/17/2021

Page No : 7

#### Image 1



L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0002

Intersection: South Mill Rd / 12th St City, State: Emmett, Idaho

Control: Stop Sign

File Name : South Mill Rd & 12th St Site Code : 00000000 Start Date : 1/13/2022

Page No : 1

**Groups Printed- General Traffic** 

			h Mill					th Str				Sout	h Mill	Road			12	th Str	eet		
		Fr	om No				Fı	om Ea	ıst			Fr	om Soi	uth			Fr	om W	est		
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	Арр. Тогаі	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
04:30 AM	0	2	0	0	2	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	3
04:45 AM	0	6	0	0	6	0	0_	00	0	0	2	3	0	0	5	0	0	0	0	0	11
Total	0	8	0	0	8	0	0	0	0	0	2	4	0	0	6	0	0	0	0	0	14
05:00 AM	0	3	1	0	4	1	0	2	0	3	3	3	0	0	6	0	0	0	0	0	13
05:15 AM	0	1	0	0	1	0	0	0	0	0	0	3	0	0	3	0	0	0	0	0	4
05:30 AM	0	5	0	0	5	0	0	2	0	2	0	4	0	0	4	3	0	0	0	3	14
05:45 AM	0	10	00	0	10	0	0	1	0	1	0	9	0	0	9	1	0	0	0	1	21
Total	0	19	1	0	20	1	0	5	0	6	3	19	0	0	22	4	0	0	0	4	52
06:00 AM	0	7	1	0	8	0	0	1	0	. 1	0	3	1	0	4	2	0	0	0	2	15
06:15 AM	0	11	0	0	11	0	0	2	0	2	0	2	0	0	2	0	0	0	0	0	15
06:30 AM	0	12	1	0	13	0	0	1	0	1	0	4	0	0	4	0	0	0	0	0	18
06:45 AM	0	12	2	0	14	0	0	2	0	2	2	9	0	0	11	2	0	1	0	3	30
Total	0	42	4	0	46	0	0	6	0	- 6	2	18	1	0	21	4	0	1	0	5	78
											i					1					ı
02:00 PM	1	19	0	0	20	1	1	1	0	3	2	11	1	0	14	0	1	2	0	3	40
02:15 PM	3	10	3	0	16	3	0	2	0	5	0	14	0	0	14	0	0	1	0	1	36
02:30 PM	2	11	2	0	15	2	0	3	0	5	6	14	4	0	24	0	1	2	0	3	47
02:45 PM	0	27	16	0	43	8	1	3_	0	12_	7	18	1	0	26	0	3_	3	0	6	87
Total	6	67	21	0	94	14	2	9	0	25	15	57	6	0	78	0	5	8	0	13	210
	1 -															ı					ı
03:00 PM	2	19	2	0	23	29	1	20	0	50	8	17	0	0	25	1	1	1	0	3	101
03:15 PM	0	18	3	0	21	3	0	3	2	8	3	28	1	0	32	1	0	1	0	2	63
03:30 PM	1	13	2	0	16	1	1	1	0	3	4	15	2	0	21	1	0	0	0	1	41
03:45 PM	0	18	1_	0	19	11_	2	2	0	5	5	21	1	0	27	1	2	1	0	4	55
Total	3	68	8	0	79	34	4	26	2	66	20	81	4	0	105	4	3	3	0	10	260
						۱											_				
Grand Total	9	204	34	0	247	49	6	46	2	103	42	179	11	0	232	12	8	12	0	32	614
Apprch %	3.6	82.6	13.8	0		47.6	5.8	44.7	1.9		18.1	77.2	4.7	0		37.5	25	37.5	0		
Total %	1.5	33.2	5.5	0	40.2	8	i	7.5	0.3	16.8	6.8	29.2	1.8	0	37.8	2	1.3	2	0	5.2	

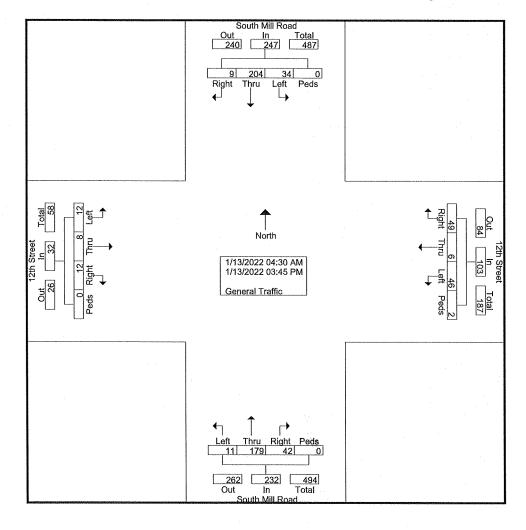
L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0002 Intersection: South Mill Rd / 12th St City, State: Emmett, Idaho

Control: Stop Sign

File Name: South Mill Rd & 12th St

Site Code : 00000000 Start Date : 1/13/2022



L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0002

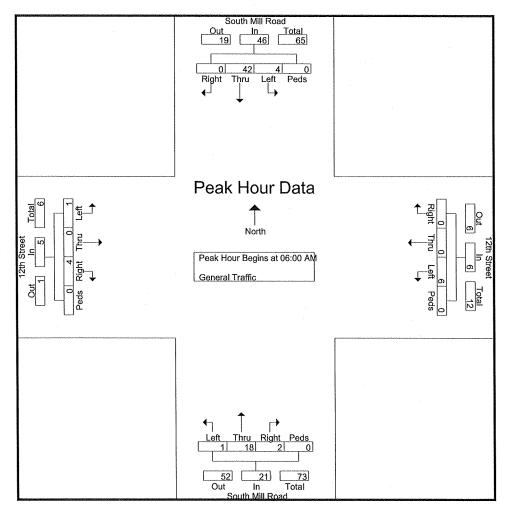
Intersection: South Mill Rd / 12th St City, State: Emmett, Idaho

Control: Stop Sign

File Name: South Mill Rd & 12th St

Site Code : 00000000 Start Date : 1/13/2022

			h Mill om No					th Str					h Mill om So					th Str			
						<u> </u>								, , , , ,			T		est		ļ
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Ar	nalysis	From (	4:30 A	M to 1	1:45 AN	1 - Peal	k 1 of 1														
Peak Hour for	Entire	Inters	ection l	Begins	at 06:00	AM															
06:00 AM	0	7	1	0	8	0	0	1	0	1	0	3	1	0	4	2	0	0	0	2	15
06:15 AM	0	11	0	0	11	0	0	2	0	2	0	2	0	0	2	0	0	0	0	0	15
06:30 AM	0	12	I	0	13	0	0	1	0	1	0	4	0	0	4	0	0	0	0	0	18
_06:45 AM	0	12	2	0	14	0	0	2	0	2	2	9	0	0	11	2	0	1	0	3	30
Total Volume	0	42	4	0	46	0	0	6	0	6	. 2	18	1	0	21	4	0	1	0	- 5	78
% App. Total	0	91.3	8.7	0		0	0	100	0		9.5	85.7	4.8	0		80	0	20	0		
PHF	.000	.875	.500	.000	.821	.000	.000	.750	.000	.750	.250	.500	.250	.000	.477	.500	.000	.250	.000	.417	.650



L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0002

Intersection: South Mill Rd / 12th St

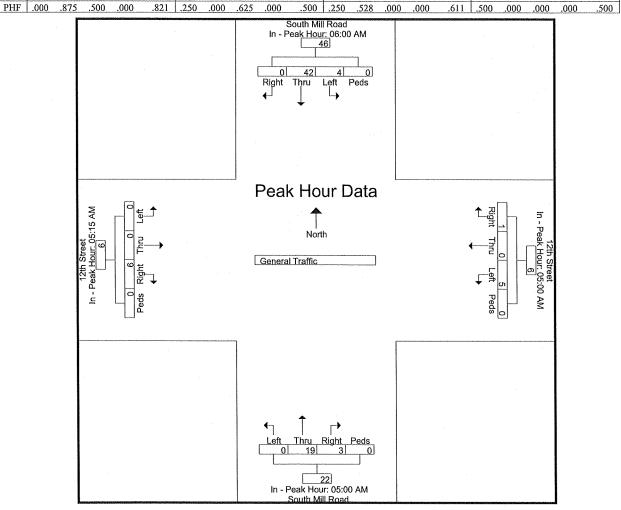
City, State: Emmett, Idaho

Control: Stop Sign

File Name: South Mill Rd & 12th St

Site Code : 00000000 Start Date : 1/13/2022

			n Mill					th Str					h Mill					th Str			
		Fr	om No	rth	r		F	rom E	ast			Fr	om So	ıth			Fr	om W	est		
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. To
Peak Hour Ar	alysis	From 0	4:30 A	M to 1	1:45 AN	1 - Peal	c l of l														
Peak Hour for	Each	Approa	ch Beg	gins at:																	_
:	06:00 AM					05:00 AM					05:00 AN	ı				05:15 AN	ı				
+0 mins.	0	7	1	0	8	1	0	2	0	3	3	3	0	0	6	0	0	0	0	0	
+15 mins.	0	11	0	0	11	0	0	0	0	0	0	3	0	0	3	3	0	0	0	3	
+30 mins.	0	12	1	0	13	0	0	2	0	2	0	4	0	0	4	1	0	0	0	1	
+45 mins.	0	12	2	0	14	0	0	1	0	1	0	9	0	0	9	2	0	0	0	2	
Total Volume	0	42	4	0	46	1	0	5	0	6	3	19	0	0	22	6	0	0	0	6	1
% App. Total	0	91.3	8.7	0		16.7	0	83.3	0		13.6	86.4	0	0		100	0	0	0		



L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0002

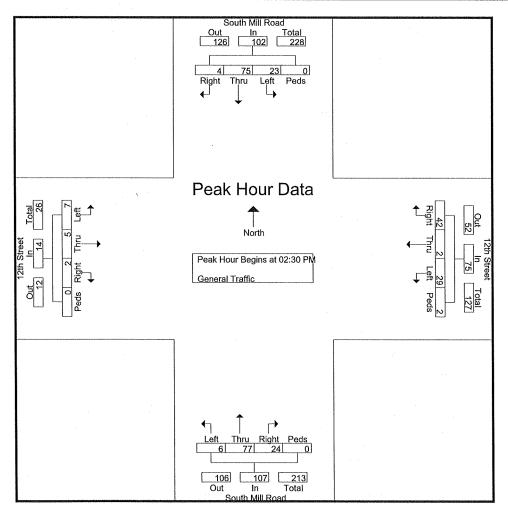
Intersection: South Mill Rd / 12th St City, State: Emmett, Idaho

Control: Stop Sign

File Name: South Mill Rd & 12th St

Site Code : 00000000 Start Date : 1/13/2022

			h Mill om No					th Str rom E					h Mill om So					th Str			
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. Total
Peak Hour Ar	alysis	From 1	2:00 P	M to 0	3:45 PM	- Peak	l of l														
Peak Hour for	Entire	Inters	ection l	Begins	at 02:30	PM															
02:30 PM	2	11	2	0	15	2	0	3	0	5	6	14	4	0	24	0	1	2	0	3	47
02:45 PM	0	27	16	0	43	8	1	3	0	12	7	18	1	. 0	26	0	3	3	0	6	87
03:00 PM	2	19	2	0	23	29	1	20	0	50	8	17	0	0	25	1	1	1	0	3	101
03:15 PM	0	18	3	0	21	3	0	3	2	8	3	28	1	0	32	1	0	1	0	2	63
Total Volume	4	75	23	0	102	42	2	29	2	75	24	77	6	0	107	2	5	7	0	14	298
% App. Total	3.9	73.5	22.5	0		56	2.7	38.7	2.7		22.4	72	5.6	0		14.3	35.7	50	0		
PHF	.500	.694	.359	.000	.593	.362	.500	.363	.250	.375	.750	.688	.375	.000	.836	.500	.417	.583	.000	.583	.738



L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

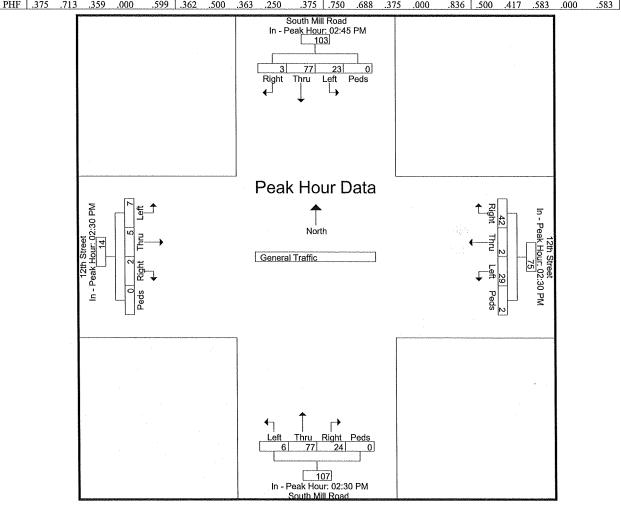
Study: TJW0002 Intersection: South Mill Rd / 12th St City, State: Emmett, Idaho

Control: Stop Sign

File Name: South Mill Rd & 12th St

Site Code : 00000000 Start Date : 1/13/2022

			h Mill om No					th Str rom E					h Mill om So					th Str om W			
Start Time	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Int. To
eak Hour Ai	nalysis	From 1	12:00 P	M to 0	3:45 PM	- Peak	1 of 1														
eak Hour fo	Each	Approa	ach Beg	gins at:		<b>,</b>					y	-									
	02:45 PM	1				02:30 PM					02:30 PM					02:30 PM					
+0 mins.	0	27	16	0	43	2	0	3	0	5	6	14	4	0	24	0	1	2	0	3	
+15 mins.	2	19	2	0	23	8	1	3	0	12	7	18	1	0	26	0	3	3	0	6	
+30 mins.	0	18	3	0	21	29	1	20	0	50	8	17	0	0	25	1	1	1	0	3	
+45 mins.	1	13	2	0	16	3	0	3	2	8	3	28	1	0	32	. 1	0	1	0	2	
Total Volume	3	77	23	0	103	42	2	29	2	75	24	77	6	0	107	2	5	7	0	14	
% App. Total	2.9	74.8	22.3	0		56	2.7	38.7	2.7		22.4	72	5.6	0		14.3	35.7	50	0		
DHE	275	713	350	ΛΛΛ	500	362	500	363	250	375	750	600	275	000	826	500	417	502	000	592	1



L2DataCollection.com Idaho (208) 860-7554 Utah (801) 413-2993

Study: TJW0002

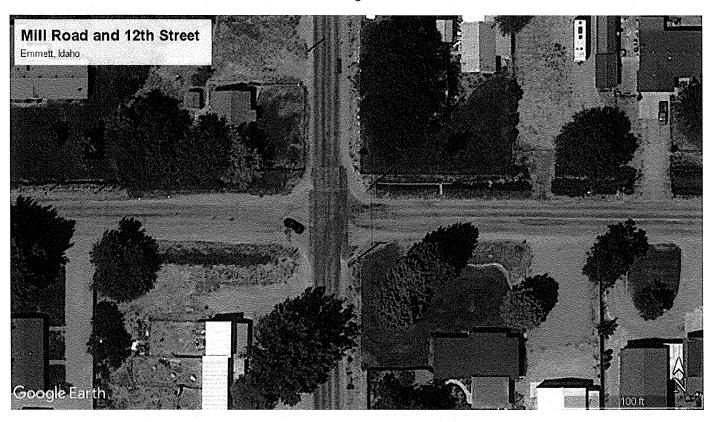
Intersection: South Mill Rd / 12th St City, State: Emmett, Idaho Control: Stop Sign

File Name : South Mill Rd & 12th St Site Code : 00000000

Start Date : 1/13/2022

Page No : 7

#### Image 1



#### APPENDIX C

**HCM ANALYSIS WORKSHEETS** 



Intersection							
Int Delay, s/veh	0						
Movement	EBL		WBT	WBR	SBL	SBR	
Lane Configurations	n O-ON-HWIDEN S	લ	Դ		W		
Traffic Vol, veh/h	0	7	11	0	0	0	
Future Vol, veh/h	0	7	11	0	0	0	
Conflicting Peds, #/hr		0	0	0	0	0	
Sign Control	CONTRACTOR CONTRACTOR			Free	Stop	Stop	
RT Channelized	-	None	-	None		None	
Storage Length		-			0	-	
Veh in Median Storag	e,#-	0	0		0	-	
Grade, %	•	0	0	-	0		
Peak Hour Factor	41	41	41	41	41	41	
Heavy Vehicles, %	2	2	2	2	2	2	
Mvmt Flow	0	17	27	0	0	. 0	
Major/Minor M	ajor1	٨	/lajor2	, A	Minor2		
Conflicting Flow All	27	0	najorz -	0	44	27	
Stage 1			_	-	27	21 -	
Stage 2	_	-	_	-	17	_	
Critical Hdwy	4.12	-	<del>.</del>	-	6.42	6.22	
Critical Hdwy Stg 1	4.14 -	-	-		5.42	U.ZZ -	
Critical Hdwy Stg 2	_	_	-		5.42	-	
	2.218	7	-	_	3.518		
Pot Cap-1 Maneuver		- - - -	-		967		
Stage 1	1007	_	_		996	1040	
Stage 2	•		_	-	1006	_	
Platoon blocked, %			_	-	1000		
Mov Cap-1 Maneuver	1597	-	_		967	1048	
Mov Cap-1 Maneuver		-	_	_	967	1040	
Stage 1			-	-	996		
Stage 1	_	_		-	1006	_	
Stage 2	-		_		1000		
Approach	EB		WB		SB		
HCM Control Delay, s	s 0		0		0		
HCM LOS					Α		
Minor Lane/Major Mv	mt	EBL	FRT	WBT	WBR	SBI n1	
Capacity (veh/h)	1114	1587	- LUI	νν ω <sub>1</sub>	VVDIX	- - -	
HCM Lane V/C Ratio		1007	_	-		-	
a a secondo como como como como como como como co	THE RESERVE AND ADDRESS.	- 0	<del>-</del>		-	- 0	
HCM Control Delay (s HCM Lane LOS	٥)	о А	-	-	-		
	ы	0	-	-	-	A	
HCM 95th %tile Q(ve	11)	U			÷		

		***************************************				***************************************
Intersection						
Int Delay, s/veh	0.6					
• .	:OI	COD	NIDI	NDT	ODT	ODD
	BL	EDK	NBL	NBT	SBT	SBR
	₩			্ৰ	đ,	
Traffic Vol, veh/h	5	9	0	97	133	2
Future Vol, veh/h	5	9	0	97	133	2
Conflicting Peds, #/hr	0	0	0	0	0	0
	top	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None		None
Storage Length	0					man harman de la company de la
Veh in Median Storage,	#0	<u>-</u>	-	0	0	-
Grade, %	0	-	-	0	0	2004255559293 <b>-</b>
	70	70	70	70	70	70
Heavy Vehicles, %	2	2	2	2	2	2
Mymt Flow	7	13	0	139	190	3
IMMITTER		ات	U	109	ישו	3
Major/Minor Mino	or2		//ajor1	N.	1ajor2	
Conflicting Flow All 3	331	192	193	0	-	0
	192		4	-		
	139	365 AF AF A		-	-	-
	.42	6.22	4.12	_	_	_
	.42	0.22	4.14		_	
			-	-	-	-
	.42	-	0 010	#104948A		
		3.318	and the second second second second	<b></b>		
	364		1380	-		-
	341	-	-	-	-	-
	388	•	-	•		-
Platoon blocked, %	un nuse extremisée	500				W. M. S. S. S. S. S. S. S. S. S. S. S. S. S.
Mov Cap-1 Maneuver 6	364	850	1380	-	-	
Mov Cap-2 Maneuver 6		-	-	-	-	-
	341	_	_	_	_	_
	341 388		_		-	_
Glaye 2 0	JOU	- -	<b>-</b>	- -		- 1551-1551
Approach I	EB		NB		SB	
HCM Control Delay, s. 9	9.8		0		0	
HCM LOS	Α.					
Minor Lane/Major Mvmt	t	NBL	NBTE	BLn1	SBT	SBR
Capacity (veh/h)		1380	-	773		
HCM Lane V/C Ratio		::::::::::::::::::::::::::::::::::::::		0.026	-	
HCM Control Delay (s)		0	_	9.8	_	_
HCM Lane LOS		A		3.0 A		-
HCM 95th %tile Q(veh)		0	SEKANDA CIATIB	0.1	01000409404010000	-
HOW SOUL WILLE Q(Ven)		U	-	U, I		

Intersection															
Int Delay, s/veh	3.2														
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR			
Lane Configurations		€\$			4			€\$			<b>(</b> \$)				
Traffic Vol, veh/h	2	- 1	3	19	1	16	1	53	68	66	78	1			
Future Vol, veh/h	2	1	3	19	1	16	1	53	68	66	78	1			
Conflicting Peds, #/h	range spiral period	- 0	- 0	0	0	0	0	0	0	0	0	0			
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free			
RT Channelized	-	-	None	-	•		•	-		-	-				
Storage Length Veh in Median Storage	- 	- 0	-	-	0	-	-	- 0	-	-	- 0	-			
Grade, %	Je, # -	0	-	_	0			0	-	_	0	-			
Peak Hour Factor	67	67	67	67	67	67	67	67	67	67	67	67			
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2			
Mvmt Flow	3	1	4	28	1	24	1	79	101	99	116	1	-		
Major/Minor N	/linor2		٨	/linor1		٨	/lajor1		Ň.	1ajor2					
Conflicting Flow All	459	497	117	449	447	130	117	0	0	180	0	0			
Stage 1	315	315		132	132	100		_		-	_	5			
Stage 2	144	182	2642A \$1,0848.500 	317	315	SEASON SANS	-	-	-	-	<del>.</del>	-			
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	_	-	4.12	-	-			
Critical Hdwy Stg 1	6.12	5.52	<b></b>	6.12	5.52	-	-		-	-	-	-	P-LN LLYCHIC TLYCCHON	History and sections of	
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-		-	-	•	-			
						3.318				2.218			6-50-1-02-02-02-02-02-02-02-02-02-02-02-02-02-	~~	
Pot Cap-1 Maneuver	CONTRACTOR STATES	475	935	520	506	920	1471	•	•	1396	•	-			
Stage 1	696	656	-	871	787	-	-		-	• Sobjective	- Deltaretak				
Stage 2 Platoon blocked, %	859	749	-	694	656	-	-	-	-	•	-	<del>.</del>			
Mov Cap-1 Maneuve	r 468	438	935	486	467	920	1471	-	-	1396		-			
Mov Cap-1 Maneuve		438	- 555	486	467	ںمِن -	. 17/ 1	-	_	1000	-	_			
Stage 1	695	606	-	870	786	_	-	-	_		_				
Stage 2	834	748	-	637	606	-	-	-		-	641535,23545 ••	-			
•															
Approach	EB			WB			NB			SB					
HCM Control Delay,				11.4			0.1			3,5					
HCM LOS	В			В											
Minor Lane/Major My	/mt	NBL	NBT	NBRI	EBLn1/	VBLn1	SBL	SBT	SBR						y y y y y y y y y y y y y y y y y y y
Capacity (veh/h)		1471	-	_	NAME OF TAXABLE PARTY.	614	1396	_							
HCM Lane V/C Ratio		0.001	-			0.088		-	-						
HCM Control Delay		7.5	0		ct-control designation	11.4	7.8	0	-						
HCM Lane LOS		Α	Α	-	В	В	Α	Α		n ppicesteric de la constantion de la constantio	ouseppelation of the control of the				ora, nel perdoras (ISSP 89 PASES)
HCM 95th %tile Q(ve	eh)	0	-		0	0.3	0.2	•	-						
	, a				a and the second second	and the second s		Action Control of the Section						engenet-philosophical filteria	enm-un ett ett in til ette i Alleite.

Intersection							
Int Delay, s/veh	0.9						
Movement	EBL	EBT	WBT	WBR	SBL	SBR	
Lane Configurations	Salade Francis Domination	ঝ	ß		K\$		
Traffic Vol, veh/h	1	17	14	2	3	0	
Future Vol, veh/h	1	17	14 0	2	3 0	0	
Conflicting Peds, #/h Sign Control	r 0 Free	0 Free		0 Free	Stop	0 Stop	
RT Channelized		None		None	and the second s	None	
Storage Length	-	140116			0	-	
Veh in Median Storag		0	0	-	0		
Grade, %	-	0	0		0	-	
Peak Hour Factor	66	66	66	66	66	66	
Heavy Vehicles, %	2	2	2	2	2	2	
Mvmt Flow	2	26	21	3	- 5	0	
	/ajor1	٨	/lajor2	Ŋ	/linor2		
Conflicting Flow All	24	0	1 101/20/20 101/20/20	0	53	23	
Stage 1			-	•	23	-	
Stage 2	- -	-		-	30	-	The state of the s
Critical Hdwy Critical Hdwy Stg 1	4.12 -	•	•	-	6,42 5,42	6.22	
Critical Hdwy Stg 2	-	-	-	-	5.42	-	
	2.218	_	_			3,318	
Pot Cap-1 Maneuver			-	-		1054	
Stage 1	-	-	-	-	1000	-	
Stage 2	-		•	-	993	-	
Platoon blocked, %	na Prikarenovo	- Colombination and a second	managaman disense	man and the contract of the co			
Mov Cap-1 Maneuve		-	٠	-	954	1054	
Mov Cap-2 Maneuve	systematicna essential necessity	-			954	-	
Stage 1 Stage 2	_	-			999 993	_	
Staye 2	-	-	<b>-</b>	-	990	-	
. 1			1675				
Approach	EB		WB		SB		
HCM Control Delay, HCM LOS	s U.4		0		8.8 A		
HOM FOO					A		
Minor Lane/Major M	vmt	EBL	EBT	WBT		SBLn1	
Capacity (veh/h)		1591	-	-	-	954	
HCM Lane V/C Ratio		0.001	-	-		0.005	
HCM Control Delay ( HCM Lane LOS	(8)	7.3	0		•	8.8	
HCM 95th %tile Q(ve	ah)	A 0	Α.	-	-	A 0	
LIGINI JOHN JOHN WINE	ر11)	Y		•		U	

***************************************	·	<del> </del>				
Intersection						
Int Delay, s/veh	0,9					
· · · · · · · · · · · · · · · · · · ·		-	A IST	NIE-	055	055
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations			Manager Anterior Circ.	4	ß	
Traffic Vol, veh/h	8		17	138	116	6
Future Vol, veh/h	8	7	17	138	. 116	6
Conflicting Peds, #/h	ır O	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized		None	-	None	4	None
Storage Length	0		-	-		
Veh in Median Stora	ge, #0	-	-	0	0	-
Grade, %	0	-	-	0	0	000.520.00000 -
Peak Hour Factor	75	75	75	75	75	75
Heavy Vehicles, %	2	2	2	2	2	2
Mymt Flow	11	9	23	184	155	8
INIVITIC I TOW		9	LU	104	,00	U
Marie Company Science Company						
	Minor2	٨	//ajor1	N	/lajor2	
Conflicting Flow All	389	159	163	0	-	0
Stage 1	159	-	-	_	-	
Stage 2	230			25/42/56/56/56 	-	
Critical Hdwy	6.42	6.22	4.12		-	_
Critical Hdwy Stg 1	5.42	-		_		-
Critical Hdwy Stg 2	5.42	_	-			-
Follow-up Hdwy		3.318		-	-	-
Pot Cap-1 Maneuve			1416	-		-
Stage 1	870	000	1410	-	-	
					-	- 06455455X
Stage 2	808	•	•	-		•
Platoon blocked, %	:5/60 \40 <u>  </u>	tariosu <u>kraz</u> nikos				, <del></del>
Mov Cap-1 Maneuv		886	1416	÷		•
Mov Cap-2 Maneuve						
Stage 1	854	-		•	-	-
Stage 2	808	-	_	-	-	-
Annuagob	EB		NB		SB	
Approach						
HCM Control Delay,			8,0		0	
HCM LOS	. B		in a proposal transcription		managa en en contra	unnegs out with the medical section of the
Minor Lane/Major M	vmt	NBL	NET	EBLn1	SBT	SBR
	VIIIL					Charles Commenters
Capacity (veh/h)	_	1416	-		-	-
HCM Lane V/C Rati		0.016	HANG HER TERROLOGICAL TO SOUTH	0.028	· · · · · · · · · · · · · · · · · · ·	
HCM Control Delay	(s)	7,6	0		•	-
		· A	Λ.	В	_	_
HCM Lane LOS HCM 95th %tile Q(v		A 0	Α	0.1	-	-

THE OWNER THE WAYNESS OF THE THE THE THE THE THE THE THE THE THE			· · · · · · · · · · · · · · · · · · ·			***************************************						
Intersection												
Int Delay, s/veh	4											
<b>3</b> /	•			\	1 2 100 000							
Movement	EBL	EBT	EBR	WBL		WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		ቆ	data da da la deriva de la constanta de la con		ቆ			ℯ₿ℷ			ቆ	
Traffic Vol, veh/h	- 8	6	2	34	2	49	7	89	28	27	87	5
Future Vol, veh/h	8	6	2	34	2	49	7	89	28	27	87	- 5
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	_	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	
Veh in Median Storag	e,#-	0	-		0	-	-	0	•		0	
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	74	74	74	74	74	74	74	74	74	74	74	74
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	11	8	3	46	3	66	9	120	38	36	118	7
an e e e e e e e e e e e e e e e e e e e	nen en committe de la la la la la la la la la la la la la			nan na statur 12 Ali ahili (Ali Salis)	oceanides en 65000 JUNO	eeesseryktojoselPith		on alphanistic de la companie de la companie de la companie de la companie de la companie de la companie de la	og og skaleger carektilfet folktillet.		anamata da da da da da da da da da da da da da	ne, remandibili
Major/Minor M	linor2		٨	dinord		, k	daiord		ħ	laior)		
		270		Minor1	254		/ajor1			Major2		
Conflicting Flow All	386	370	122	356	354	139	125	0	0	158	0	0
Stage 1	194	194	-	157	157	-	-	-	-	-	•	-
Stage 2	192	176	-	199	197	-	-			-	• skarekasa	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	•		4.12	-	•
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52			-		-	···	
Critical Hdwy Stg 2	6.12	5.52			5.52	-		-	•		-	-
		realist annual transcription of	and the second second	3.518	international and the second	and other name of the contract		 Nicológicologico		2.218		
Pot Cap-1 Maneuver		560	929	599	571	909	1462	-	-	1422	•	•
Stage 1	808	740		845	768	·	-	-			- ************************************	
Stage 2	810	753	•	803	738	•	•	•	-	-	-	•
Platoon blocked, %	Aggertage the controls	4394594 <u>25</u> 43444444	ingga <u>ne</u> nen	8455900000000000000000000000000000000000			hana ngaya ganta atauna.				mi distribute de de de de	
Mov Cap-1 Maneuve	enterpression de la constitución de la constitución de la constitución de la constitución de la constitución de	541	929	575	552	909	1462	•	-	1422	-	•
Mov Cap-2 Maneuve	n lanarramana isti mar	541			552		ta in dente de la compa				-	-
Stage 1	802	720	-		763	-	-	-	-	-	•	-
Stage 2	743	748	esercial concentration of	770	718	-	_	-		-	eraenterritario	
Approach	EB			WB			NB			SB		
HCM Control Delay, s				10.9			0.4			1.7		
HCM LOS	э і і. <i>і</i> В			10.9			U. <del>H</del>			1.1		
TION LOG	ם			Б								
Minor Lane/Major Mv	mt	NBL	NBT	NBRI	EBLn1	VBLn1	SBL	SBT	SBR			
Capacity (veh/h)		1462	-	-	557	729	1422	-	-			
HCM Lane V/C Ratio		0.006		na-1905/90/56/56/56/ 		0.158			ANGERTALISATION			
HCM Control Delay (	NO CONTRACTOR CONTRACTOR	7.5	0		11.7	10.9	7.6	0				
HCM Lane LOS		A	Ā		В	В.	 A	A	-			
HCM 95th %tile Q(ve	h)	0		CHOCANOCACTICATO	0.1	0.6	0.1		_			
							esternistist				972131313	

PROJECT OPENING YEAR WITHOUT PROJECT CONDITIONS

Intersection						
Int Delay, s/veh	0					
Movement	EBL	EBT	WBT	WBR		SBR
Lane Configurations	to re less conductions as	Ą	<b>}</b>	N-Salaken Noble Sentence	₩	e, co-daya Destava Galaria
Traffic Vol, veh/h	0	7	11	0	0	0
Future Vol, veh/h Conflicting Peds, #/h	0 r 0	7 0.	11	0	0	0
Sign Control		Free		Free	Stop	
RT Channelized	of Authorite Authorite Property Co.	None		None		None
Storage Length	-	-	-	-	0	-
Veh in Median Storag	qe,#-	0	0	-	0	-
Grade, %		0	0		0	#503/10250F6 0xf2/
Peak Hour Factor	41	41	41	41	41	41
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	0	17	27	0	0	0
	/lajor1	Λ	/lajor2	<u>I</u>	/linor2	
Conflicting Flow All	27	0	-	0	44	27
Stage 1		•	-	-	27	
Stage 2	· ·		tananakan	255000000000000000000000000000000000000	17	
Critical Hdwy	4.12	-	•	•	6.42	
Critical Hdwy Stg 1			⊷ Postilitarionio	-	5.42	 *1001/2003/2006/20
Critical Hdwy Stg 2	- 2.218	•	-	•	5.42	2 240
Follow-up Hdwy Pot Cap-1 Maneuver		-	-	PORTER PROPERTY.	3,518	1048
Stage 1	1007		-	-	996	1040
Stage 2	-	-	- 	-	1006	-
Platoon blocked, %		_	<u>-</u>	-	1000	
Mov Cap-1 Maneuve	r1587	4	_	-	967	1048
Mov Cap-2 Maneuve		-	-	-	967	-
Stage 1	-	_	-	-	996	-
Stage 2	-	-	-	-	1006	######################################
Approach	EB		WB		SB	
HCM Control Delay,	s 0		0		0	
HCM LOS					Ā	
Minor Lane/Major My	/mt	EBL	FRT	WAT	WBR	SBI n1
Capacity (veh/h)		1587		- VVID 1	AADIV	
HCM Lane V/C Ratio	)	-	-	-	-	-
HCM Control Delay (		0	+	-		0
					nio esperante de la como de la como de la como de la como de la como de la como de la como de la como de la co	
HCM Lane LOS	# 36C##G#19C4CTCCTCTCTC	Α	-	-	-	Α

Intersection						
Int Delay, s/veh	0.5					
•		ERD	NBL	NBT	SBT	SBR
Lane Configurations		CDIT	INDL		***************************************	SDK
Traffic Vol, veh/h	<b>₩</b>	9	0	<b>बी</b> 102	<b>%</b> 140	2
Future Vol, veh/h	້ 5	9	0	102	140	
Conflicting Peds, #/hr		9	0	102	140	0
			222/22/22/2017			
RT Channelized	Stop	None	Free	Free	Free	Free
	0	INOHE		None	-	None
Storage Length	-	OTENSIONAL HUMBOOKS	- 	-	-	-
Veh in Median Storag		•	-	0	0	-
Grade, %	0		-	0	0	-
Peak Hour Factor	70	70	70	70	70	70
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	7	13	0	146	200	3
Major/Minor M	inor2	٨	/ajor1	N.	/lajor2	
Conflicting Flow All	348	202	203	0	<del></del>	0
Stage 1	202	202	200	_	_	-
Stage 2	146	_		-	_	-
	6.42	6.22		-	-	-
A CONTRACT PRODUCTION CONTRACTOR OF THE CONTRACT TO THE CONTRACTOR OF THE CONTRACT TO THE CONT	5.42	0.ZZ -	7.14	7	-	-
	5.42	-	-		-	-
		3.318		•		
						-
Pot Cap-1 Maneuver		839	1369	#		-
Stage 1	832	- 480010000000	= physical adams on		e Ografija og statistiske	
Stage 2	881	•		•	•	-
Platoon blocked, %	Fadigateron confiner	Astronous columns and annual	el mandonena descri	- Isakot av-korosrosco	_	-
Mov Cap-1 Maneuver		ane metane and histories	1369		-	-
Mov Cap-2 Maneuver	and the second second		_	-		
Stage 1	832	-	-	-	•	-
Stage 2	881	-	-	-	-	-
Approach	EВ		NB		SB	
HCM Control Delay, s			0		0	
HCM LOS			U		U	
HOM FOS	Α	\$05055555				
Minor Lane/Major Mvi	mt	NBL	NBTI	EBLn1	SBT	SBR
Capacity (veh/h)		1369	-		-	
HCM Lane V/C Ratio		-		0.026	-	**************************************
HCM Control Delay (s		0		STANDER OF THE PROPERTY.		
HCM Lane LOS		A	-	о.о	-	-
HCM 95th %tile Q(vel	h۱	. 0			_	_
LICIN SOUL YOUR CALACI	LI .	Y				

	>59°25°45°22°22°24°44°44°		Markarikan kalendaran ini markari	One production or other Production	***********	98000000000000000000000000000000000000	000/00/00/00/00/00/00/00/00/	>0000000000000000000000000000000000000		-transminana na	
Intersection											
Int Delay, s/veh 3.	l										
Movement EB	. EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	43			43			43			4	
Traffic Vol, veh/h	2 1	3	20	1	16	1	59	70	68	95	1
Future Vol, veh/h	2 1	3	20	1	16	1	59	70	68	95	1
Conflicting Peds, #/hr	) 0	0	0	0	0	0	0	0	0	0	0
Sign Control Sto	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
		None			None	-	-	None	_	-	None
Storage Length	-	-	-		-	-	-	-			P. C. C. C. S. S. C. C. C. C. C. C. C. C. C. C. C. C. C.
Veh in Median Storage, #	- 0			0	-	-	0	-	-	0	-
Grade, %	- 0		-	0	-	-	0	- 1000-000-000	-	0	-
Peak Hour Factor 6		67		67	67	67	67	67	67	67	67
	2 2		2	2	2	2	2	2	2	2	2
Mvmt Flow	3 1	4	30	1	24	- 1	88	104	101	142	1
Major/Minor Minor	)	1	Minor1		٨	/ajor1		Λ	/lajor2		
Conflicting Flow All 50		143	489	487	140	143	0	0	192	0	0
Stage 1 34		140	940000040444094094000	142	140	140	O .	O .	102	-	-
Stage 2 15		_		345	_	-	_		_	-	_
Critical Hdwy 7.1		Control and Control and Control and Control	7.12	6.52	6.22	4.12	_		4,12		
Critical Hdwy Stg 1 6.1.				5.52	- V.E.	-		-	- 44.45	-	_
Critical Hdwy Stg 2 6.1		_		5.52	_	_					
	3 4.018				3.318	2.218		-	2.218		_
Pot Cap-1 Maneuver 48		905	489	481	908	1440		-	1381		
Stage 1 67				779	82.5 D.P. 32 -		166401016646 -		::::::::::::::::::::::::::::::::::::::	-	-
Stage 2 84		_	669	636	_		_	_	÷.	_	_
Platoon blocked, %							-	-		-	-
Mov Cap-1 Maneuver 43	9 413	905	456	443	908	1440		-	1381	-	_
Mov Cap-2 Maneuver 43		-	456	443			-				-
Stage 1 67	2-termina na parez marineros.	_	860	778	-	-		-	_		
Stage 2 82	2 739		612	586		and the second s			-	-	
Approach E	3		WB			NB			SB		
HCM Control Delay, s 11.			11.8			0,1			3,2		
10-content extra content of content of the content	<b>3</b>		11,0 B			U. I			3.Z		
HOW LOS	ر		D								
Minor Lane/Major Mvmt	NBL		NBRI	EBLn1		SBL	SBT	SBR			
Capacity (veh/h)	1440			583	581	1381	-	_			
HCM Lane V/C Ratio	0.001			0.015	0.095	0.073	-	-			
HCM Control Delay (s)	7.5	0	-	11.3	11.8	7.8	0	÷			
HCM Lane LOS	Α		-	В	В	Α	Α	-			
HCM 95th %tile Q(veh)	C		-	0	0.3	0.2		•			

***************************************			······································		
0.9					
EDI	COT	MOT	MDD	CDI	SBR
EBL			VVOIT		אטט
4	40	14	2	Υ	0
					0
and the second second			tener standard a continuous	and the second second second	0
and the state of t			Color of the second of the second		Stop
-		*			None
- 		- -			-
ge,#-					-
-			Complete Windows in world find an	en Correcto Personal Contractor	-
		Control of the second of			66
					2
2	27	21	3	- 5	0
/aior1	N.	laior2	N	Minor2	
					23
transportation descriptions	and a second second second	******			23 -
	•				-
	-				6.22
4.12	-		•		
	printe carrie da pere muno	same of a chartile and			
	•	-			•
	_	Market State	Table (Apple Services		
1591	•	-			1054
-	-	-	-		-
	-		-	992	-
	an established (S. S.  eversterentistelikeri ••	-		en engele ten para di PAS del PASSA.	
er1591	an 🚅		-	953	1054
section in endings are section	-	##C###################################		953	
John Compension	- managing organization are a		_		
-		-	-		-
-	-	-	-	JUZ	-
	0.0000000000000000000000000000000000000				
North Control of the				SB	
EB		WB		Section of the second	
EB s 0.4		WB 0		8,8	
				Section of the second	
				8,8	
s 0,4	r:n)	0	WDT	8,8 A	ont -4
	EBL	0 EBT	WBT	8.8 A WBR	
s 0.4 vmt	1591	0 EBT		8.8 A WBR	953
s 0,4 vmt	1591 0.001	EBT		8.8 A WBR	953 0.005
s 0.4 vmt	1591	0 EBT		8,8 A WBR: -	953 0.005
s 0,4 vmt	1591 0.001	EBT	-	8,8 A WBR: -	953 0.005
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	## Company of the com	EBL EBT WBT  1 18 14 1 18 14 1 0 0 0 Free Free Free - None - 0 0 66 66 66 2 2 2 2 2 27 21  Major1 Major2 24 0	EBL EBT WBT WBR  1 18 14 2 1 18 14 2 1 0 0 0 0 0 Free Free Free Free - None - None - None - O O - O - O O O - O - O O O O - O O O O	EBL         EBT         WBT         WBR         SBL           1         18         14         2         3           1         18         14         2         3           0         0         0         0         0           Free         Free         Free         Free         Stop           None         -         None         -         0           0         0         -         0         0         -         0           1         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         -         0         0         66         66         66         66         66         66         66         66         66         66         -         22         2         2         2         2         2         2         3         5         3         4         4.12         -         -         6.42         -

	OSTCHOST TO NAME OF				ersta Fertiletzekokokokokokokokokokokokokokokokokokoko	98999999
Intersection						
Int Delay, s/veh 0	).9					
Movement El	3L	EBR	NBL	NBT	SBT	SBR
	k/			र्श	λ	
Traffic Vol, veh/h	8	7	18	145	121	6
Future Vol, veh/h	8	7	18	145	121	6
Conflicting Peds, #/hr	0		. 0	. 0	. 0	0
INVESTMENT OF THE PROPERTY OF		Stop	Free	Free	Free	Free
RT Channelized	arman and and	None	ACTUAL CONTRACTOR AND ADDRESS.	None	terrorisate distribution	None
Storage Length	0	NOITE		140116		140110
Veh in Median Storage,	_	-	-	0	- 0	-
Grade, %		(Keighannein)			0	
	0 75	- 76	- 75	0		- 76
		75	75	75	75	75
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	11	9	24	193	161	8
Major/Minor Mino	r2	٨	/lajor1	Λ	/lajor2	
	06	165	169	0	-	0
	65	-	.00	3		
	41	-			_	
The state of the s		6.22	4.12	- -	POGRESSIA DE LO CESTA PO	-
		100000000000000000000000000000000000000	4.12	-	•	
,,	42					
	42	-	-	-	1	-
		CONTRACTOR CONTRACTOR	2.218	_	-	-
	01	879	1409		-	-
3	64	-	-	-	-	-
	99		-		•	•
Platoon blocked, %	one encettate diff		n-with the control of	-		**************************************
Mov Cap-1 Maneuver 5	90	879	1409	-	-	-
Mov Cap-2 Maneuver 5			encedasteringer:	-		
ampair reverse a plante property and the property and the property of the prop	48					
	-0 99	36266521 -	-		-	_
Olage 2				-	-	-
	ΞВ		NB		SB	
HCM Control Delay, s 10	),3		0.8		0	
HCM LOS	В	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~			
Missel as /Massel NA set		NIDI	KIDTI	-D1 -4	сот	onn
Minor Lane/Major Mymt		NBL		EBLn1	SBT	SBR
Capacity (veh/h)		1409	-		-	•
HCM Lane V/C Ratio	C	0.017	Access of the Commercial Commerci	0.029	-	unautivers to a value of
HCM Control Delay (s)		7.6	0	10.3	-	•
HCM Lane LOS		Α	Α	В		
HCM 95th %tile Q(veh)		0,1	-	0.1	-	-
	weeks 5000			u nagurus us pagalajati	augustus (2002) (1974)	viciosios significations ·

Intersection												
Int Delay, s/veh	3.8							-				
Movement	EBL	EBT	FRR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	- t t' t	<b>₽</b>	LDIA	1100	<b>(</b>	VVUIX	1100	€\$	111111	OUL	<b>€</b>	ODIT
Traffic Vol, veh/h	8	<b>.</b> 6	2	35	2	50	7	103	29	28	100	5
Future Vol. veh/h	8	6	2	35	2	50	7	103	29	28	100	5
Conflicting Peds, #/hr	. 0	- 0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	•	None	-	•	None
Storage Length	-	-		markan da sanara			es contractor in a trachi	en construir de la construir d			- -	v ouddoorald arbhydd
Veh in Median Storag	је, # <i>-</i>	0	-	•	0		•	0	-	-	0	ě
Grade, %		0	-	-	0			0			0	-
Peak Hour Factor	74	74	74	74	74	74	74	74	74	74	74	74
Heavy Vehicles, %	2 11	2 8	2 3	2 47	2	2 68	2	2	2	2 38	2 135	2 7
Mvmt Flow	11	ď	3	4/	3	- 58	9	139	39	- 38	135	1
		500000000000000000000000000000000000000			ingga pagangan pagangan kalan kalan	halilanginisiyateleninisi ili-	Malográphycia Massiera ac	njojam idmironikum	ngig é in la likik aronnan k-n-r		nomal technology	7051530AD0040ACO000
	linor2			Ainor1			//ajor1			lajor2		
Conflicting Flow All	427	411	139	397	395	159	142	0	0	178	0	0
Stage 1	215	215	•	177	177	•	•	•	-	-	•	-
Stage 2	212	196	-	220	218	-	-			_	-	
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	•	•	4.12	*	•
Critical Hdwy Stg 1	6.12 6.12	5.52 5.52	-	6.12 6.12	5.52 5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2 Follow-up Hdwy					4.018	2 210	2 210			2.218	-	•
Pot Cap-1 Maneuver		531	909	563	542	886	1441	-		1398	-	-
Stage 1	787	725	- 303 -	825	753	-		-		-1090	-	-
Stage 2	790	739	-	782	723	_		_	-	<u>.</u>	-	-
Platoon blocked, %		ministra Tob			redilio (1776-16)		00.5744.676666	5/25/62/5/4/ •	-		-	-
Mov Cap-1 Maneuve	r 481	511	909	539	522	886	1441	-	-	1398	-	-
Mov Cap-2 Maneuve		511	-	539	522			-			-	-
Stage 1	781	703	•	819	748	•	-	-		-	-	-
Stage 2	722	734		748	701		-	-	tyrifeskijeskik-eke-ek	-		**
Approach	EB			WB			NB			SB		
HCM Control Delay,				11,2			0.4			1.6		
HCM LOS	в В			В.		1005/500955556						
Minor Lane/Major Mv	/mt	NBL	NBT	MRDI	EBLn1/	VRI nd	SBL	SBT	SBR			
Capacity (veh/h)	341k	1441		- -	NEXT CONTRACTOR	695	1398	<u>। वर</u> -	AGC -			
HCM Lane V/C Ratio	262- <u>1</u> 66	0.007	-		0.041			_	_			
HCM Control Delay (		7.5	- 0	_	03899020202080	11.2	7.6	- 0	-			
HCM Lane LOS	Y)	7.5 A		-		л. <u>г</u> В	,,o A	A	_			
HCM 95th %tile Q(ve	eh)	0			0.1	0.6	0.1	,	-			
	er i Calledala			.05F22765334555			nodikini Adali	w40404445A	a standard (1986)		2011975 P. P. P. P. P. P. P. P. P. P. P. P. P.	

PROJECT OPENING YEAR WITH PROJECT CONDITIONS

Interspetier						
Intersection Int Delay, s/veh	3.2					
-						
Movement	EBL	NAME OF TAXABLE PARTY.		WBR	SBL	SBR
Lane Configurations		<b>ର୍ଣ</b> 7	þ		W	
Traffic Vol, veh/h	0		11	5	13	0
Future Vol, veh/h	0	7	11	5	13	0
Conflicting Peds, #/hr		0	0	0	0	0
Sign Control	Free		Free	Free	Stop	Stop
RT Channelized Storage Length	-	None	-	None -	- 0	None
		0	0			-
Veh in Median Storag Grade, %	je, # =	0	0	-	0	-
Peak Hour Factor	- 41	41	41	41	41	41
Heavy Vehicles, %	41	41	41	41 2	41	41 2
Mymt Flow	0	17	27	12	32	0
WINIH FIOW	U	1/	41	ıΖ	υZ	U
	umarana ana					
	lajor1		lajor2		/linor2	
Conflicting Flow All	39	0	**************************************	0	50	33
Stage 1	•	-	•		33	-
Stage 2	·		-	-	17	
Critical Hdwy	4.12	•	•		6.42	6.22
Critical Hdwy Stg 1	HALL NOON OF THE SAME	agrangerjag en av o een	·		5.42	
Critical Hdwy Stg 2	_	_	•	-	5.42	
	2.218	-			3.518	
Pot Cap-1 Maneuver	1571	•	•	•	959	1041
Stage 1	calacalerolesia co	m Ejesseneses brein		······································	989	
Stage 2	7	•	-	-	1006	_
Platoon blocked, %	Hannanin	m consideration		- 20250-000 25,0000	industry distribution	cojecycleja medzinkom
Mov Cap-1 Maneuve		•	-	•		1041
Mov Cap-2 Maneuve			= esconosiónes	- Section to a to a con-	959	
Stage 1	Ī		-	-		-
Stage 2	-				1006	= cassissarias cons
Approach	EB		WB		SB	
HCM Control Delay, s	s 0		0		8.9	
HCM LOS					Α	
Minor Lane/Major Mv	mt	EBL	EDT	WBT	///pd	SBL 54
	1114	1571	<u> </u>		VVDIX	
Capacity (veh/h) HCM Lane V/C Ratio		15/1	-	-		0.033
HCM Control Delay (		0	-		-	669VF825258882518
HCM Lane LOS	رد	υ A				6.9 A
	h)	A 0	-	SANDESTIN (TELEVISION	-	
HCM 95th %tile Q(ve	;ii)	U		-	•	U.I

Intersection						
Int Delay, s/veh	1.5					
Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations	k/		1124	લ	4	( ) ( ) ( )
Traffic Vol, veh/h	18	20	4	102	140	6
Future Vol, veh/h	18	20	4	102	140	6
Conflicting Peds, #/h		0	0	0	0	0
Sign Control	Stop		Free	Free	Free	Free
RT Channelized		None	art to A toward the terrory	None	attraction and a total trace and	None
Storage Length	0	-	_	INUITE	:::::::	140116
Veh in Median Stora	-			0	0	
Grade, %	ge, no 0		_	0	0	-
Peak Hour Factor	70	70	70	70	70	70
Heavy Vehicles, %	2	2	2	2	2	70 2
Mymt Flow	26	29	6	146	200	9
IVIVITIL FIOW	20	23	O	140	200	J
	/linor2	٨	//ajor1	N	lajor2	
Conflicting Flow All	363	205	209	0	-	0
Stage 1	205	-	-	•	•	-
Stage 2	158	-	######################################	***************************************	-	4219503603014036
Critical Hdwy	6.42	6.22	4.12		-	-
Critical Hdwy Stg 1	5.42		enderende <del>j</del> ed -	-	-	
Critical Hdwy Stg 2	5.42	_		-	_	_
Follow-up Hdwy		3.318	2 218	***************************************		-
Pot Cap-1 Maneuver		A	1362	4		_
Stage 1	829	-	- XXX	_	-	
Stage 2	871	-		_	-	<u>-</u>
Platoon blocked, %	υ <i>ι</i> Ι		en e	7.	_	
Mov Cap-1 Maneuve	r 632	836	1362	-	-	-
Mov Cap-1 Maneuve		- 000	1302	_	-	- -
Stage 1	825	- -	-			-
Stage 2	e∠5 871	-	-	-	-	-
Oldyt Z	0/1	-	- 	-		-
Approach	EB		NB		SB	
HCM Control Delay,	s 10.4		0.3		0	
HCM LOS	В					
			1 m.	- 1-0.1		~~~
Minor Lane/Major M	vmt		NBTE	The second second second	SBT	SBR
Capacity (veh/h)		1362	-		•	-
HCM Lane V/C Ratio		0.004	rano ellorezzakonences	0.075	naesastasistasis	
HCM Control Delay	(s)	7,7	0		-	•
					-	encontrol Control Co
HCM 95th %tile Q(vi	eh)	0	÷	0.2	•	
HCM Lane LOS HCM 95th %tile Q(ve	STATE OF STA	A 0	A -	B 0.2	numeron en en en en en en en en en en en en en	-

	************		*			************		***************************************				*******
Intersection												
Int Delay, s/veh	3.6											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
	EDL		COR	VVDL		NOR	NDL		NBR	SBL		SBR
Lane Configurations	2	4	40	20	₩,	destaren		₩	76	70	₩	
Traffic Vol, veh/h		7	10	20	3	17	. 4	62	70	72	102	1
Future Vol, veh/h	2	7	10	20	3	17	4	62	70	72	102	1
Conflicting Peds, #/h		0	0	0	0	0	_ 0	_ 0	_ 0	_ 0	_ 0	_ 0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	•	None	-	-	None	-	i de la companya de la companya de la companya de la companya de la companya de la companya de la companya de	None	-	•	None
Storage Length	- 	- ^	- 1:05:050:05:05	-	-	-	-	- ************************************	-	-	-	-
Veh in Median Storag	ge,#-	0			0		-	0		Parather	0	
Grade, %	- 	0	- -	-	0	-	- -	0	_ 	-	0	-
Peak Hour Factor	67	67	67	67	67	67	67	67	67	67	67	67
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	3	10	15	30	4	25	6	93	104	107	152	1
Major/Minor N	/linor2		N	Ainor1		N	/lajor1		N	1ajor2		
Conflicting Flow All	539	576	153	536	524	145	153	0	0	197	0	0
Stage 1	367	367	-	157	157	•	-	-	-		-	-
Stage 2	172	209	***************************************	379	367		-	101947110083904		-	POR SHARROWSHIP	
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	•	-	4.12	-	
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52		-	-		-		-
Critical Hdwy Stg 2	6.12	5.52	•	6.12	5.52	-	-	-	-	-	-	-
		4.018		3.518	4.018	3.318	2.218	-		2.218	-	
Pot Cap-1 Maneuver	453	428	893	455	458	902	1428	-	-	1376	-	•
Stage 1	653	622	-	845	768	-			-	**************************************		## (## (## (## (## (## (## (## (## (##
Stage 2	830	729	÷.	643	622	-	-		-	-	•	-
Platoon blocked, %		and the second of the second o	orani dayan dahar 2000 da		gen magit significipal (2004)	on, e epocytic property of the collection of the					-	500-4488E40987088
Mov Cap-1 Maneuve		389	893	408	417	902	1428	-	-	1376	-	•
Mov Cap-2 Maneuve		389	-	408	417			-	*** **********************************		-	**************************************
Stage 1	650	569	•	841	764	-		•	-	-	-	•
Stage 2	798	725		568	569	-	_		-	-		
Approach	EB			WB			NB			SB		
HCM Control Delay,				12.6			0.2			3,2		
HCM LOS	а і і,о В			12.0 B			υ,Ζ			٧,٧		
TIOW LOG	U			ט								
Minor Lane/Major M	vmt	NBL	NBT	NBRI	EBLn1/	200	SBL	SBT	SBR			
Capacity (veh/h)		1428	-	-	557	533	1376		•			
HCM Lane V/C Ratio		0.004	was to the second secon	enth scott and the control	And an advisor of the second	0.112		-		0.2 how in 2		
HCM Control Delay (	(s)	7.5	- 0	-	11.8	12.6	7.8	0	-			
HCM Lane LOS		Α	Α	-	В	В	Α	Α	***			
HCM 95th %tile Q(ve	eh)	0			0.2	0.4	0.3	-	-			

Intersection						
Int Delay, s/veh	1.8					
Movement E	BL	EBT	WBT	WBR	SBL	SBR
Lane Configurations		ৰ	ß		k/f	
Traffic Vol, veh/h	1	18	14	17	12	0
Future Vol. veh/h	1	18	14	17	12	0
Conflicting Peds, #/hr	Ö	0	. 0	0	0	0
Programme and describes and reference to the programme and	ree	Free	Free	Free	Stop	
RT Channelized		None	COLUMN TO SERVICE DE LA	None	and the second second	None
Storage Length	1001 <u>-</u>	140116		140116	0	INUITE
Veh in Median Storage,	#	- 0	- 0	-	0	-
Grade, %	, 11 -	0	0	-	0	
	- 66	-				
Peak Hour Factor	66	66	66	66	66	66
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	2	27	21	26	18	0
Major/Minor Maj	or1	N	lajor2	٨	/linor2	
Conflicting Flow All	47	0	- -	0	65	34
Stage 1	41	U	-	-	34	J4 -
					34 31	
Stage 2	- -	-	-			-
	.12	-	•	-	6.42	6.22
Critical Hdwy Stg 1	-				5.42	
Critical Hdwy Stg 2	-	-	-	•	5.42	-
	218	_	-	-	3.518	
Pot Cap-1 Maneuver 18	560	- <b>-</b>	-	•		1039
Stage 1		-		±	988	-
Stage 2				-	992	-
Platoon blocked, %				-		
Mov Cap-1 Maneuver1	560	2			940	1039
Mov Cap-2 Maneuver	-	-	-	-	940	- 1000
Stage 1				<b>-</b>	987	
	-				992	
Stage 2		-	-	-	992	-
Approach	EB		WB		SB	
HCM Control Delay, s	0.4		0		8.9	
HCM LOS					A.	
TOWLOO						
Minor Lane/Major Mvm	t	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)		1560		_	-	940
HCM Lane V/C Ratio	22755577	0.001	***************************************	-		0.019
HCM Control Delay (s)		7.3	0	_	_	8.9
HCM Lane LOS		,,s A	A	-	_	16152X1000000000000
HCM 95th %tile Q(veh)		0	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		<b>-</b>	0.1
How som whe d(ven)		v	•			U.I

					where any human share		
Intersection							
Int Delay, s/veh	1.6						
Movement	EBL	EBR	NBL	NBT	SBT	SBR	
Lane Configurations	W		·	4	<b>^</b> }		
Traffic Vol, veh/h	17	14	30	145	121	20	
Future Vol, veh/h	17	14	30	145	121	20	
Conflicting Peds, #/h	r 0	0	0	0	0	0	
Sign Control	Stop	Stop	Free	Free	Free	Free	
RT Channelized	į	None		None	-	None	
Storage Length	0				-	-	
Veh in Median Stora	ge, #0	-	-	0	0		
Grade, %	. 0	_		0	0	-	
Peak Hour Factor	75	75	75	75	75	75	
Heavy Vehicles, %	2	2	2	2	2	2	
Mvmt Flow	23	19	40	193	161	27	
Major/Minor N	/linor2	ı	//ajor1	V	lajor2		
Conflicting Flow All	448	175	188	0	-	0	
Stage 1	175		_		-	_	
Stage 2	273	-		-		-	
Critical Hdwy	6.42	6.22	4.12	-	_		
Critical Hdwy Stg 1	5.42	-	***************************************		-	-	
Critical Hdwy Stg 2	5.42	-	100	_		-	
Follow-up Hdwy	3.518	3.318	2.218	entranegrascores	-	-	
Pot Cap-1 Maneuver	568	868	1386			-	
Stage 1	855	-	-	-	-		
Stage 2	773	_	_	_	•	•	
Platoon blocked, %				-	-		
Mov Cap-1 Maneuve		868	1386	-	-	-	
Mov Cap-2 Maneuve		-	av endamaviorations	-		non combinate la companion	
Stage 1	828		-	-	•	-	
Stage 2	773				-		\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Approach	ЕВ		NB		SB		
HCM Control Delay,	s 10.8		1.3		0		
HCM LOS	В		2000 1200 1200 1200 1200 1200 1200 1200	succides G-9580,786		, 1999 (1995) (1995) (1995) 	
Minor Lane/Major M	/mt	NBL	NRTI	EBLn1	SBT	SBR	
Capacity (veh/h)	vill	1386	יו שאו		וטט -	- -	
HCM Lane V/C Ratio	•	0.029		0.063		-	
HCM Control Delay		7.7	0	thus on Protection and other	-	-	
HCM Lane LOS	(0)	7.7 A	. U	10.6 B	-	-	
HCM 95th %tile Q(ve	ah)	0.1	A .	THE RESERVE AND THE RESERVE AND THE	-		
LICIVI SOUL WILLE CALL	311)	U, I		∪.∠			

Interesation												
Intersection Int Delay, s/veh	4.3											
-					x2-2000/00/w/-000w-1-000			non-Phosphoropolinists		o-entapycenikineasiry	NEW STANSFERS	
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	es territories seur	ℯ₿			ℯֆ	companies of the Albert		ℯ₿			ቆ	74.000.07900.0000.0000
Traffic Vol, veh/h	8	10	7	35	9	54	15	111	29	30	105	5
Future Vol, veh/h	8	10	7	35	9	54	15	111	29	30	105	5
Conflicting Peds, #/h		0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	•	-	None	-	-	None	-	-	None	-	-	None
Storage Length			-			-	-TOP-STORES				usa ferrenrekkeite	
Veh in Median Storag	ge,#-	0	-		0	-	•	0	•	-	0	-
Grade, %	econominate de la	0	entrat de la constante		0			0	-		0	
Peak Hour Factor	74	74	74	74	74	74	74	74	74	74	74	74
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	11	14	9	47	12	73	20	150	39	41	142	7
Major/Minor N	/linor2		1	Ainor1		١	/lajor1			/lajor2		
Conflicting Flow All	480	457	146	449	441	170	149	0	0	189	0	0
Stage 1	228	228	-	210	210		-		-	-	_	
Stage 2	252	229	**************************************	239	231			**************************************			-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	_	-	4.12	-	_
Critical Hdwy Stg 1	6.12	5,52		6.12	5.52	-	-	-	-			-
Critical Hdwy Stg 2	6.12	5,52		6.12	5.52	_	_					2
	3.518	4.018	3.318	3.518		3,318	2,218	*	-	2.218	-	-
Pot Cap-1 Maneuver		500	901	520	510	874	1432			1385	÷	-
Stage 1	775	715		792	728		-	******************************			-	-
Stage 2	752	715	-	764	713		-	-	_	-	-	-
Platoon blocked, %		aus vormissibiositi				wetsin1455250					-	-
Mov Cap-1 Maneuve	r 430	477	901	485	486	874	1432	-	-	1385	-	-
Mov Cap-2 Maneuve		477		485	486	-		-			-	-
Stage 1	763	692		779	716	-	-	-	-	-	-	-
Stage 2	667	704		717	690	-	-0.000000389004960		-	-	-	
Approach	EB			WB			NB	A STATE OF THE STA		SB		
HCM Control Delay,				12			0.7					
HCM LOS	s iz,s B			IZ B			- 0.7			1.6		
HOW LOS	D			D		6400000						
Minor Lane/Major M	/mt	NBL	NBT	NBRI	EBLn1	VBLn1	SBL	SBT	SBR			
Capacity (veh/h)		1432	-	-	528	643	1385	-	_			
HCM Lane V/C Ratio		0.014	-		0.064	0.206		-			gyagt az terfizőkö főlő	
HCM Control Delay (	(s)	7.5	0		12.3	12	7.7	0				
HCM Lane LOS		Α	Α	-	В	В	Α	Α	-	eu, 2004286/76/8000		
HCM 95th %tile Q(ve	eh)	0	-	-	0.2	0.8	0.1		-			

February 2, 2022

Mr. Brian Sullivan

**Emmett City Planning and Zoning** 

RE: Proposed Zoning Change and Approval – Payette River Subdivision

Dear Brian:

Attached please find copies of a petition signed by residents on Mill Road (North of Hwy 52) and intersectting streets to Mill Road.

We have formed the "Citizens for Pedestrian and Traffic Safety on Mill Road" in an effort to have better planning and implementation of standard road safety such as sidewalks for pedestrains, especially nearer the High School. Slower speed zones for logging trucks and other traffic.

We oppose the Payette River Subdivision being zoned into the City of Emmett and the subdivision being approved at this time. Two other major projects are going to drastically impact and increase further traffic on the already busy Mill Road. We are asking that this project not be appproved at this time until the major issues on Mill Road are addressed.

Please post these documents on the P&Z web site for public comment.

Harvey Stezel, Chairman

Citizens for Pedestrian and Traffic Safety on Mill Road

& Redition collection ongoing.

Petition summary and background	People against approving more subdivi	People against approving more subdivisions adding traffic and accidents on Mill Road and 12th	2th for safety of pedestrates at the High School.
Action petitioned for	Paye	tte River Sub division and Zon	Payette River Sub division and Zoning change from County to City.
Printed Name	Signature	Address	Comment Date
DAWN FRANKI (AN) O		183 Tyler Road	Seasyle -
7-			
1,00	ron thros	1305 MIRA	2/1/22
Tam Bays	Benz	14/2 Mill Rd	2
et Start		1994 N. 1995	2//2:
Sanda Dicker	Samen Silver	13218 W 12th	2/1/2
Jan Sider	Milhard	122180124	2/1/
Loc Dixon	Dur B	712 TYLORY	21/12
Rob Thillaring	Color Barboll	787 TY/ex 22	2-1-27
MARICA STETEC	The season	780 w 12 th	22-22
- Comment	La RRIL	1452 W 1214 St	ده ده ده ده ده ده ده ده ده ده ده ده ده د
Bevertubilbre	y Decerly beliver	1452 W 12th 5+	tt-t-t-1

Page 10/

February 1, 2022

City of Emmett

Planning and Zoning

Mr. Brian Sullivan

RE: Payette River Subdivision - Accident and Incident Reports for Mill Road

Dear Mr. Sullivan:

We are requesting that you kindly include these accident and traffic reports for Mill Road – North, between Cascade and Highway 52 for public record, Emmett City Mayor, City Council Members and post for public comment.

In 2021 the incidents on Mill Road North of accidents and traffic reports increased by 1450% over 2020.

Thank you for your kind consideration,

Dawn Ferdinand

783 Tyler Road, Emmett, ID 83617

Attachments – 212



February 7, 2022

Landmark Pacific Investments, LLC PO Box 1939 Eagle, ID 83616

Subject:

Payette River Estates – Response to Accident & Incident Reports submitted to City dated February 1, 2022

TJW ENGINEERING, INC. (TJW) has reviewed the letter and attachments submitted to the City by Ms. Dawn Ferdinand, dated February 1, 2022. TJW was able to review the information provided, but has specifically reviewed the attachments/incidents between 2016 and current. Typically, accident data is reviewed for the most recent 3-, 4-, or 5- year period depending on the jurisdiction's preference.

The attachments include Gem County Sheriff *Incident Summaries* and Gem County Sheriff *Call Detail Reports*. The table below summarizes the number of reports included with the letter by year.

Report/Year	2021	2020	2019	2018	2017	2016
Call Detail Report	50					
Incident Report	9	4	5	11	15	9

The Call Detail Reports are in a date range of April 27, 2021 through December 26, 2021. Call Detail Reports include traffic stops, traffic complaints, and traffic hazards reported, although there is not always an infraction related to traffic complaints and reports of hazards. It is unlikely that there were zero traffic stops, complaints and hazards from January 1, 2016 through April 26, 2021, and more likely that additional information was omitted from inclusion with the letter or not provided by or asked of the Sheriff's office. Additionally, traffic stops are a function of traffic patrols, and as a stretch of road is patrolled more/less frequently, the number of stops will fluctuate.

The incidents included are for the entire length of Mill Road from Cascade Road to Black Canyon Canal Road. The incidents also include incidents on Cascade Road west of Mill Road, on Main Street east of Mill Road, on 12<sup>th</sup> Street east and west of Mill Road and 12 incidents in the Emmett High School parking lot. Within the study area for the Payette River Estates TIS, which includes Mill Road between Homestead Drive and 12<sup>th</sup> Street, Homestead Drive, and 12<sup>th</sup> street east and west of Mill Road, there were 8 call detail reports.

The Gem County Sheriff Incident Reports include accidents, traffic complaints, incidents of motorists requiring assistance, reports of reckless driving, and reports of hit and run (several of which were unable to

be confirmed per the report) among several other miscellaneous reports. Of the 53 incident reports from 2016-2021, 8 were accidents, and 9 were reported hit and runs. Within the study area for the Payette River Estates TIS, which includes Mill Road between Homestead Drive and 12<sup>th</sup> Street, Homestead Drive, and 12<sup>th</sup> street east and west of Mill Road there were 4 incident reports, including 2 traffic complaints, 1 report of reckless driving, and 1 accident with injuries. The reported accident with injuries in the study area included with the letter is included in Table 4(Reported Crash Summary) of the Payette River Estates TIS. The other accidents in Table 4 of the TIS, from the Local Highway Technical Assistance Council website (Ihtac.org), are not in the incident summaries submitted with the letter.

The vast majority of the information submitted falls well outside the appropriate TIS study area for Payette River Estates and has no nexus to the project.

Please contact us if you have any questions.

Sincerely,

Thomas Wheat, PE, TE

The Oalt

President

Jeffrey Weckstein

Seffor Wes

Sr. Transportation Planner

