

COLORADO DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ACCESS CODE NOTICE TO PROCEED		CDOT Permit No. 422070
		State Highway/Mile Post/Side 036B / 19.773/Right
		Local Jurisdiction Lyons
Permittee(s):	Applicant:	
<p>Zach Tucker Planet Blue Grass Farm, LLC 19680 N St. Vrain Drive Lyons, Colorado 80540</p>		

The permittee is hereby authorized to proceed with access construction within state highway right-of-way in accordance with the above referenced State Highway Access Permit and this Notice to Proceed.

This Notice to Proceed is valid only if the referenced Access Permit has not expired. Access Permits expire one year from date of issue if not under construction, or completed. Access Permits may be extended in accordance with Section 2.3(11)(d), of the Access Code.

Adequate advance warning is required at all times during access construction, in conformance with the Manual on Uniform Traffic Control Devices for Streets and Highways.

All construction shall be completed in an expeditious and safe manner and shall be finished within 45 days from initiation. The permittee or applicant shall notify the Department prior to commencing construction as indicated on the Access Permit.

Both the Access Permit and this Notice To Proceed shall be available for review at the construction site.

This Notice to Proceed is conditional. The following items shall be addressed prior to or during construction as appropriate.

Municipality or County Approval (When the appropriate local authority retains issuing authority)

By (X)	Title	Date
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This Notice is not valid until signed by a duly authorized representative of the Department

Colorado Department of Transportation

By (X)	DocuSigned by: <i>Allyson Young</i>	Title Access Manager	Date 8/1/2022 7:44 AM MDT
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Copy distribution: **Required** 03805405...
Region (original)
Applicant
Staff Access Section

Make copies as necessary for:
Local Authority Inspector
MTCE Patrol Traffic Engineer

Form 1265 8/98, 6/99

COLORADO DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ACCESS PERMIT

CDOT Permit No.

422070State Highway No / Mp / Side
036B / 19.773 / Right

Permit Fee \$50.00	Date of Transmittal 07/29/2022	Region / Section / Patrol / Name 4 / 01 / 8	Local Jurisdiction Lyons
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The Permittee(s):

Zach Tucker
 Planet Blue Grass Farm, LLC
 19680 N St. Vrain Drive
 Lyons, Colorado 80540

The Applicant(s):

is hereby granted permission to have an access to the state highway at the location noted below. The access shall be constructed, maintained and used in accordance with this permit, including the State Highway Access Code and any attachments, terms, conditions and exhibits. This permit may be revoked by the Issuing Authority if at any time the permitted access and its use violate any parts of this permit. The issuing authority, the Department and their duly appointed agents and employees shall be held harmless against any action for personal injury or property damage sustained by reason of the exercise of the permit.

Location: This access is located 4,080 feet east of mile marker 19 on the south/right side of CO 36.

Access to Provide Service to: (Land Use Code)	(Size)	(Units)
416 - Campground/Recreational Vehicle Park Festival <i>Camper/Parking (30th Day)</i>	16	ADT

Additional Information:

Up to 29 event days per year with "higher traffic volumes" are permitted via this permit.

MUNICIPALITY OR COUNTY APPROVAL

Required only when the appropriate local authority retains issuing authority.

Signature	Print Name	Date	Title
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Upon the signing of this permit the permittee agrees to the terms and conditions and referenced attachments contained herein. All construction shall be completed in an expeditious and safe manner and shall be finished within 45 days from Initiation. The permitted access shall be completed in accordance with the terms and conditions of the permit prior to being used.

The permittee shall notify Bruce Barnett with the Colorado Department of Transportation, at (970) 350-2147 at least 48 hours prior to commencing construction within the State Highway right-of-way.

The person signing as the permittee must be the owner or legal representative of the property served by the permitted access and have full authority to accept the permit and its terms and conditions.

Permittee Signature: <small>DocuSigned by:</small>	Print Name	Date
	Zach Tucker	7/30/2022 12:50 PM MDT

Co-Permittee Signature: <small>(if applicable)</small>	Print Name	Date

This permit is not valid until signed by a duly authorized representative of the Department.

COLORADO DEPARTMENT OF TRANSPORTATION

Signature <small>DocuSigned by:</small>	Print Name	Title	Date (of issue)
	Allyson Young	Access Manager	8/1/2022 7:37 AM MDT

Copy Distribution: <small>Required:</small>	3. Staff Access Section	Make copies as necessary for:	Previous editions are obsolete and may not be used
1. Region 2. Applicant	4. Central Files	Local Authority MTCE Patrol	Inspector Traffic Engineer

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State Highway Access Permit
Form 101, Page 2

The following paragraphs are excerpts of the State Highway Access Code. These are provided for your convenience but do not alleviate compliance with all sections of the Access Code. A copy of the State Highway Access Code is available from your local issuing authority (local government) or the Colorado Department of Transportation (Department). When this permit was issued, the issuing authority made its decision based in part on information submitted by the applicant, on the access category which is assigned to the highway, what alternative access to other public roads and streets is available, and safety and design standards. Changes in use or design not approved by the permit or the issuing authority may cause the revocation or suspension of the permit.

APPEALS

1. Should the permittee or applicant object to the denial of a permit application by the Department or object to any of the terms or conditions of a permit placed there by the Department, the applicant and permittee (appellant) have a right to appeal the decision to the [Transportation] Commission [of Colorado]. To appeal a decision, submit a request for administrative hearing to the Transportation Commission of Colorado within 60 days of transmittal of notice of denial or transmittal of the permit for signature. Submit the request to the Transportation Commission of Colorado, 4201 East Arkansas Avenue, Denver, Colorado 80222-3400. The request shall include reasons for the appeal and may include changes, revisions, or conditions that would be acceptable to the permittee or applicant.
2. Any appeal by the applicant or permittee of action by a local issuing authority shall be filed with the local authority and be consistent with the appeal procedures of the local authority.
3. In submitting the request for administrative hearing, the appellant has the option of including within the appeal a request for a review by the Department's internal administrative review committee pursuant to [Code] subsection 2.10. When such committee review is requested, processing of the appeal for formal administrative hearing, 2.9(5) and (6), shall be suspended until the appellant notifies the Commission to proceed with the administrative hearing, or the appellant submits a request to the Commission or the administrative law judge to withdraw the appeal. The two administrative processes, the internal administrative review committee, and the administrative hearing, may not run concurrently.
4. Regardless of any communications, meetings, administrative reviews or negotiations with the Department or the internal administrative review Committee regarding revisions or objections to the permit or a denial, if the permittee or applicant wishes to appeal the Department's decision to the Commission for a hearing, the appeal must be brought to the Commission within 60 days of transmittal of notice of denial or transmittal of the permit.

PERMIT EXPIRATION

1. A permit shall be considered expired if the access is not under construction within one year of the permit issue date or before the expiration of any authorized extension. When the permittee is unable to commence construction within one year after the permit issue date, the permittee may request a one year extension from the issuing authority. No more than two one-year extensions may be granted under any circumstances. If the access is not under construction within three years from date of issue the permit will be considered expired. Any request for an extension must be in writing and submitted to the issuing authority before the permit expires. The request should state the reasons why the extension is necessary, when construction is anticipated, and include a copy of page 1 (face of permit) of the access permit. Extension approvals shall be in writing. The local issuing authority shall obtain the concurrence of the Department prior to the approval of an extension, and shall notify the Department of all denied extensions within ten days. Any person wishing to reestablish an access permit that has expired may begin again with the application procedures. An approved Notice to Proceed, automatically renews the access permit for the period of the Notice to Proceed.

CONSTRUCTION

1. Construction may not begin until a Notice to Proceed is approved. (Code subsection 2.4)
2. The construction of the access and its appurtenances as required by the terms and conditions of the permit shall be completed at the expense of the permittee except as provided in subsection 2.14. All materials used in the construction of the access within the highway right-of-way or on permanent easements, become public property. Any materials removed from the highway right-of-way will be disposed of only as directed by the Department. All fencing, guard rail, traffic control devices and other equipment and materials removed in the course of access construction shall be given to the Department unless otherwise instructed by the permit or the Department inspector.
3. The permittee shall notify the individual or the office specified on the permit or Notice to Proceed at least two working days prior to any construction within state highway right-of-way. Construction of the access shall not proceed until both the access permit and the Notice to Proceed are issued. The access shall be completed in an expeditious and safe manner and shall be finished within 45 days from initiation of construction within the highway right-of-way. A construction time extension not to exceed 30 working days may be requested from the individual or office specified on the permit.
4. The issuing authority and the Department may inspect the access during construction and upon completion of the access to ensure that all terms and conditions of the permit are met. Inspectors are authorized to enforce the conditions of the permit during construction and to halt any activities within state right-of-way that do not comply with the provisions of the permit, that conflict with concurrent highway construction or maintenance work, that endanger highway property, natural or cultural resources protected by law, or the health and safety of workers or the public.

5. Prior to using the access, the permittee is required to complete the construction according to the terms and conditions of the permit. Failure by the permittee to abide by all permit terms and conditions shall be sufficient cause for the Department or issuing authority to initiate action to suspend or revoke the permit and close the access. If in the determination of the Department or issuing authority the failure to comply with or complete the construction requirements of the permit create a highway safety hazard, such shall be sufficient cause for the summary suspension of the permit. If the permittee wishes to use the access prior to completion, arrangements must be approved by the issuing authority and Department and included in the permit. The Department or issuing authority may order a halt to any unauthorized use of the access pursuant to statutory and regulatory powers. Reconstruction or improvement of the access may be required when the permittee has failed to meet required specifications of design or materials. If any construction element fails within two years due to improper construction or material specifications, the permittee shall be responsible for all repairs. Failure to make such repairs may result in suspension of the permit and closure of the access.

6. The permittee shall provide construction traffic control devices at all times during access construction, in conformance with the M.U.T.C.D. as required by section 42-4-104, C.R.S., as amended.

7. A utility permit shall be obtained for any utility work within highway right-of-way. Where necessary to remove, relocate, or repair a traffic control device or public or private utilities for the construction of a permitted access, the relocation, removal or repair shall be accomplished by the permittee without cost to the Department or issuing authority, and at the direction of the Department or utility company. Any damage to the state highway or other public right-of-way beyond that which is allowed in the permit shall be repaired immediately. The permittee is responsible for the repair of any utility damaged in the course of access construction, reconstruction or repair.

8. In the event it becomes necessary to remove any right-of-way fence, the posts on either side of the access shall be securely braced with an approved end post before the fence is cut to prevent any slackening of the remaining fence. All posts and wire removed are Department property and shall be turned over to a representative of the Department.

9. The permittee shall ensure that a copy of the permit is available for review at the construction site at all times. The permit may require the contractor to notify the individual or office specified on the permit at any specified phases in construction to allow the field inspector to inspect various aspects of construction such as concrete forms, subbase, base course compaction, and materials specifications. Minor changes and additions may be ordered by the Department or local authority field inspector to meet unanticipated site conditions.

10. Each access shall be constructed in a manner that shall not cause water to enter onto the roadway or shoulder, and shall not interfere with the existing drainage system on the right-of-way or any adopted municipal system and drainage plan.

11. By accepting the permit, permittee agrees to save, indemnify, and hold harmless to the extent allowed by law, the issuing authority, the Department, its officers, and employees from suits, actions, claims of any type or character brought because of injuries or damage sustained by any person resulting from the permittee's use of the access permit during the construction of the access.

CHANGES IN ACCESS USE AND PERMIT VIOLATIONS

1. It is the responsibility of the property owner and permittee to ensure that the use of the access to the property is not in violation of the Code, permit terms and conditions or the Act. The terms and conditions of any permit are binding upon all assigns, successors-in-interest, heirs and occupants. If any significant changes are made or will be made in the use of the property which will affect access operation, traffic volume and or vehicle type, the permittee or property owner shall contact the local issuing authority or the Department to determine if a new access permit and modifications to the access are required.

2. When an access is constructed or used in violation of the Code, section 43-2-147(5)(c), C.R.S., of the Act applies. The Department or issuing authority may summarily suspend an access permit and immediately order closure of the access when its continued use presents an immediate threat to public health, welfare or safety. Summary suspension shall comply with article 4 of title 24, C.R.S.

MAINTENANCE

1. The permittee, his or her heirs, successors-in-interest, assigns, and occupants of the property serviced by the access shall be responsible for meeting the terms and conditions of the permit, the repair and maintenance of the access beyond the edge of the roadway including any cattle guard and gate, and the removal or clearance of snow or ice upon the access even though deposited on the access in the course of Department snow removal operations. Within unincorporated areas the Department will keep access culverts clean as part of maintenance of the highway drainage system. However, the permittee is responsible for the repair and replacement of any access-related culverts within the right-of-way. Within incorporated areas, drainage responsibilities for municipalities are determined by statute and local ordinance. The Department will maintain the roadway including auxiliary lanes and shoulders, except in those cases where the access installation has failed due to improper access construction and/or failure to follow permit requirements and specifications in which case the permittee shall be responsible for such repair. Any significant repairs such as culvert replacement, resurfacing, or changes in design or specifications, requires authorization from the Department.



COLORADO
Department of Transportation
Office of the Executive Director
4201 East Arkansas Ave, Suite 262
Denver, CO 80222

RELEASE MEMORANDUM

To: All CDOT Employees
From: Shailen P. Bhatt, Executive Director
Re: Updated Procedural Directive 602.1 "ADA and PWFA Accommodation Procedures"
Date: June 16, 2017

1. Name of Updated Procedural Directive: PD 602.1 "ADA and PWFA Accommodation Procedures"
2. Date of Directive Superseded: April 14, 2015
3. Executive Summary: PD 602.1 provides information regarding CDOT's provision of reasonable accommodation to employees, or applicants for employment, with disabilities. This PD has been updated to incorporate requirements from the Pregnant Workers Fairness Act, passed in 2016, which requires employers to provide to employees or applicants for employment reasonable accommodation for health conditions related to pregnancy, physical recovery from childbirth, or a related condition, to perform essential functions of the job, unless the accommodation would impose an undue hardship on CDOT.
4. Effective Date: June 16, 2017
5. Office to Contact with Questions: ADA Program Administrator, Division of Human Resources.



COLORADO DEPARTMENT OF TRANSPORTATION		<input type="checkbox"/> POLICY DIRECTIVE <input checked="" type="checkbox"/> X PROCEDURAL DIRECTIVE
Subject		
ADA and PWFA Accommodation Procedures		602.1
Effective	Supersedes	Originating Office
6.16.17	4.14.15	Division of Human Resources

I. PURPOSE

Title 1 of the Americans with Disabilities Act (ADA) requires the Colorado Department of Transportation to provide Reasonable Accommodation to individuals with disabilities who are Employees, or applicants for employment, except when such accommodation would cause an undue hardship.

The Pregnant Workers Fairness Act (PWFA) requires the Colorado Department of Transportation to provide Reasonable Accommodations to an Employee or applicant for employment, for health conditions related to pregnancy, physical recovery from childbirth, or a related condition, to perform the essential functions of the job, unless the accommodation would impose an undue hardship on the employer's business.

Discrimination and Retaliation concerns under the ADA and PWFA are addressed under Policy Directive 600.0 (Equal Employment Opportunity and Affirmative Action) and Procedural Directive 600.6. (Internal Discrimination Complaint Procedures). See also Procedural Directive 12.1 (Workplace Accommodations for Nursing Mothers) for procedures in compliance with the Workplace Accommodations for Nursing Mothers Act.

II. AUTHORITY

CDOT Executive Director pursuant to § 43-1-105, C.R.S.

Rules 4-6, 9-3 and 9-5 of 4 CCR 801-1, Personnel Board Rules and Personnel Director's Administrative Procedures

Americans with Disabilities Act of 1990, 42 U.S.C. § 12101 (1990) (hereinafter "ADA"), as amended

29 C.F.R. Part 1630

29 C.F.R. § 1602.31 (record keeping)

Rehabilitation Act of 1973, 29 U.S.C. § 701 (1973), as amended

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U.S. EEOC Enforcement Guidance: Reasonable Accommodation and Undue Hardship under the Americans with Disabilities Act
(https://www.eeoc.gov/laws/guidance/enforcement_guidance.cfm)

§ 24-34-402, *et seq.*, C.R.S.

§24-34-402.3, C.R.S. (Pregnant Worker's Fairness Act)

3 CCR 708-1, State of Colorado Civil Rights Commission Rules and Regulations

III. APPLICABILITY

This Procedural Directive applies to Employees and Job Applicants for all employment-related operations and services of CDOT, as well as to all CDOT building facilities, divisions, regions, offices and branches.

IV. DEFINITIONS

“Americans with Disabilities Act (ADA)” shall refer to Title I of the Americans with Disabilities Acts of 1990 and the ADAAA of 2008 which require the Department to provide equal employment opportunities for individuals with disabilities. As one of the requirements of the ADA and ADAAA, Reasonable Accommodation will be provided to individuals with disabilities who are qualified and employed by the Department or who are applicants for employment, absent undue hardship.

“ADA Coordinator” shall mean the person or persons designated and trained by the Division of Human Resources in the ADA and PWFA requirements to take a lead role in conducting an Interactive Process with an Employee or Job Applicant. The list of ADA Coordinators can be found on the CDOT intranet (<http://intranet.dot.state.co.us/employees/ee-rights/ada-content>).

“Appointing Authority” for purposes of this Procedural Directive shall mean the person or persons designated to handle personnel matters or make hiring decisions.

“Department” or “CDOT” shall mean the Colorado Department of Transportation pursuant to § 43-1-101, C.R.S.

“Disability” shall mean a physical or mental impairment that substantially limits one or more major life activities; a record of such impairment; or being regarded as having such an impairment.

“Employee” shall mean any individual who is employed with CDOT in a temporary, permanent, part-time or full-time capacity. Volunteers are not considered an “Employee” for application of this procedural directive.

“Hiring Process” shall mean any aspect of the process to fill an employment position including

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the application, interview, written test, or other type of job demonstration.

“Interactive Process” shall mean the process by which an individual will request and/or participate in discussions with the Department for an accommodation; the Department will determine whether requirements are met, whether an accommodation is reasonable and can be provided, and examine potential alternative accommodations.

“Job Applicant” shall mean any individual who has submitted an application for employment with the Department as well as any current Employee seeking promotion or transfer with the Department.

“Reasonable Accommodation” shall mean any change in the work environment or in the way processes are customarily done that enables an individual with a Disability or an individual who falls under the PWFA to enjoy equal employment opportunities. A Reasonable Accommodation may include job restructuring, leave, modified or part-time schedule, modified policies, reassignment, or variations thereof.

“Unfilled Position” for purposes of this Procedural Directive shall mean a position for which funding has been established, approved by the Department, and that the Department intends to fill.

V. PROCEDURE

A. General Requirements

1. In the following areas of employment, the Department shall comply with the ADA and PWFA requirements concerning the provision of Reasonable Accommodation:
 - a) That is required to ensure equal opportunity in the Hiring Process;
 - b) That enables an individual with a Disability or who has health conditions related to pregnancy, physically recovering from childbirth, or related condition, who is qualified to perform the essential functions of the position held or desired; and
 - c) That enables the Department’s Employees with disabilities or who has health conditions related to pregnancy, physically recovering from childbirth, or related condition, to enjoy equal benefits and privileges of employment as are enjoyed by other similarly situated Employees without disabilities or do not have health conditions related to pregnancy, physically recovering from childbirth or related condition. Benefits and privileges of employment shall include, but are not limited to, Department-sponsored: (1) training, (2) services such as cafeteria, lounges, auditoriums, and (3) parties or other social functions.
2. The Department, through the ADA Coordinator, will initiate an Interactive Process

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with an Employee or Job Applicant, or his/her personal representative, to assist with the ADA or PWFA Accommodation Procedures. The Interactive Process may include the following as determined on a case-by-case basis:

- a) Act upon receipt of a request for an accommodation or information identifying a need;
- b) Determine whether the individual has a Disability as defined by the ADA;
- c) Determine whether the individual with a Disability is qualified (1) satisfies the requisite work experience, education, and other job related requirements for a position; and (2) can perform the essential functions of the position with or without a reasonable accommodation.
- d) Identify a Reasonable Accommodation, or potential undue hardship.

3. The Department is not required to provide an accommodation that would cause an undue hardship. Undue hardship means significant difficulty or expense in, or resulting from, the provision of the accommodation. Whether a particular accommodation will cause an undue hardship is determined on a case-by-case basis. The resources and circumstances of the Department as the employer will be considered in relationship to the cost or difficulty of providing a specific accommodation. An individual assessment and evaluation will be conducted through the Interactive Process by an ADA Coordinator with the recommendation to an Appointing Authority, who shall make the final determination.

4. When a Workers' Compensation process parallels the accommodation process, the Risk Management Unit will provide the necessary information to the ADA Coordinator concerning requests related to Employees also involved in Workers' Compensation claims. Workers' Compensation Injury/Illness shall mean a work-related injury or a work-related illness, as defined in the Colorado Workers' Compensation Act.

B. Procedures Related to Accommodating Job Applicants and the Hiring Process

1. Human resources shall provide a Job Applicant with information as to whom to contact for an accommodation either in the job announcement or by additional notification in the Hiring process.
2. During the selection process, Job Applicants will be notified of the different aspects of the Hiring process (i.e., interview, written exam, or job demonstration, etc.). Human resources will inform the Job Applicant that if he or she requires an accommodation to participate in the process, he or she must inform human resources within a reasonably established time period prior to the administration of that aspect of the Hiring Process. If a Job Applicant has an obvious Disability or discloses information which indicates a possible need for an accommodation, human resources will initiate communication to

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determine if an accommodation is required. If an accommodation is required, an ADA Coordinator will conduct an Interactive Process with the Job Applicant with a Disability for the Hiring Process. During the Interactive Process, the Department may identify a Reasonable Accommodation that will allow the Job Applicant equal opportunity during the Hiring Process.

3. After a conditional job offer is made, an ADA Coordinator may conduct an Interactive Process with the selected Job Applicant with a Disability or with an applicant who has a health condition related to pregnancy, is physically recovering from childbirth, or a related condition, to determine if the essential functions of the specific position can be performed with or without a Reasonable Accommodation. During the Interactive Process, the Department may identify a Reasonable Accommodation that will allow the selected Job Applicant to perform the essential functions of the specific position.

C. Procedures Related to Accommodating Employees

1. For performance of job duties, an Employee with a Disability or a health condition related to pregnancy, physically recovering from childbirth or a related condition, should request an accommodation from his or her supervisor or manager or ADA Coordinator for all employment-related requests. A list of ADA Coordinators are posted on the CDOT intranet (<http://intranet.dot.state.co.us/employees/ee-rights/ada-content>).

2. The supervisor or manager will notify the ADA Coordinator of any request or receipt of information regarding a potential need for accommodation. The ADA Coordinator shall be the main point of contact for an Employee's request for accommodation.

3. The ADA Coordinator will conduct an Interactive Process with an Employee to determine if the essential functions of his/her position can be performed with or without a Reasonable accommodation.

4. During the Interactive Process, a Reasonable Accommodation that meets the needs of the Employee may be identified. A Reasonable Accommodation will be provided to allow an Employee with a Disability to perform the essential functions of his/her position. For employees covered by the PWFA, a temporary transfer to another position that meets the request for accommodation will be considered.

5. Reassignment is a form of Reasonable Accommodation for an Employee with a Disability (ADA only) who is qualified, made as a last resort, and is required only after it has been determined that:

- a) There are no effective accommodations that will enable the Employee to perform the essential functions of his/her current position; or
- b) All other accommodations would cause undue hardship.

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However, if both the Department and the Employee voluntarily agree that a reassignment is preferable to remaining in the current position with some form of Reasonable Accommodation, the Department may consider reassignment for an Employee. The Department will follow the process described in the Guide to determine a reassignment of an Employee.

A reassignment can only be made to an Unfilled Position for which the Employee meets the minimum qualifications.

6. Prior to contemplation of an administrative discharge of an Employee in accordance with State Personnel Board Rules and Personnel Director's Administrative Procedures, the Appointing Authority is required to consult with the ADA Coordinator to determine whether the ADA applies, and if so, whether the Employee can be reasonably accommodated.
7. For benefits and privileges of employment, the Department will conduct an Interactive Process with an Employee. Employees with disabilities or who fall under the PWFA will be provided a Reasonable Accommodation in order to gain access to and have an equal opportunity to participate in the same benefits and privileges of employment afforded to similarly-situated Employees without disabilities. Benefits and privileges of employment shall include, but are not limited to, Department-sponsored: (a) training, (b) services such as cafeteria, lounges, auditoriums, and (c) parties or other social functions.

D. Record Keeping

1. Any information regarding the Job Applicant or Employee, including medical information and the final letter of determination, obtained as part of an examination or inquiry for determining a Disability or Reasonable Accommodation under the ADA or PWFA is protected and confidential. All documents shall be kept in a separate, confidential ADA or PWFA file with limited access for the duration of employment at CDOT or for 2 years from the date of the making of the record or the personnel action involved, whichever occurs later, pursuant to 29 C.F.R. § 1602.31.
2. All ADA Coordinators will maintain records to demonstrate compliance with the ADA and PWFA requirements in accordance with state and federal requirements. For tracking and reporting requirements, a Statewide ADA Administrator will administer the ADA and PWFA program and prepare reports as necessary.
3. If the Department is notified of a charge of discrimination or pending litigation relating to the ADA or PWFA decision, the records must be maintained for two years after expiration of the eligible list or until the litigation and/or charges are resolved, whichever occurs later.

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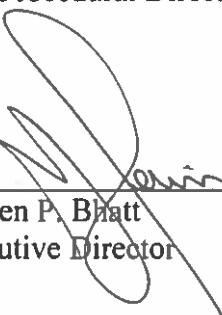
VI. IMPLEMENTATION PLAN

The Division of Human Resources will offer training on the ADA and PWFA, the Department's program and accommodation process to all Appointing Authorities, designees and direct reports, and ADA Coordinators. In order to conduct the Interactive Process, an ADA Coordinator must be certified by the Statewide ADA Administrator.

The Office of Policy and Government Relations shall post this Procedural Directive on the CDOT intranet as well as on the CDOT public announcements.

VII. REVIEW DATE

This Procedural Directive shall be reviewed on or before June 2022.



Shailen P. Bhatt
Executive Director

6/16/17

Date of Approval

COLORADO DEPARTMENT OF TRANSPORTATION

Environmental Clearances Information Summary

PURPOSE - This summary is intended to inform entities external to CDOT that may be entering the state highway right-of-way to perform work related to their own facilities (such as Utility, Special Use or Access Permittees), about some of the more commonly encountered environmental permits/clearances that may apply to their activities. This listing is not all-inclusive - additional environmental or cultural resource permits/clearances may be required in certain instances. Appropriate local, state and federal agencies should be contacted for additional information if there is any uncertainty about what permits/clearances are required for a specific activity. **IMPORTANT – Please Review The Following Information Carefully – Failure to Comply With Regulatory Requirements May Result In Suspension or Revocation of Your CDOT Permit, Or Enforcement Actions By Other Agencies.**

CLEARANCE CONTACTS - As indicated in the permit/clearance descriptions listed below, the following individuals or agencies may be contacted for additional information:

- Colorado Department of Public Health and Environment (CDPHE): General Information – (303) 692-2035
Water Quality Control Division (WQCD): (303) 692-3500
Environmental Permitting Website <https://www.colorado.gov/pacific/cdphe/all-permits>
- CDOT Water Quality Program Manager: (303) 757-9343 <https://www.codot.gov/programs/environmental/water-quality>
- CDOT Asbestos Project Manager: Phil Kangas, (303) 512-5519
- Colorado Office of Archaeology and Historic Preservation: (303) 866-5216
- U.S. Army Corps of Engineers, District Regulatory Offices:
 - Omaha District (NE CO), Denver Office (303) 979-4120
<http://www.nwo.usace.army.mil/Missions/RegulatoryProgram/Colorado.aspx>
 - Sacramento Dist. (Western CO), Grand Junction Office (970) 243-1199
<http://www.spk.usace.army.mil/Missions/Regulatory.aspx>
 - Albuquerque District (SE CO), Pueblo Office (719)-543-9459
<http://www.spa.usace.army.mil/Missions/RegulatoryProgramandPermits.aspx>
- CDOT Utilities, Special Use and Access Permitting: (303) 757-9654 <https://www.codot.gov/business/permits>

Wildlife Resources - Disturbance of wildlife shall be avoided to the maximum extent practicable. Entry into areas of known or suspected threatened or endangered species habitat will require special authorization from the CDOT permitting office. If any threatened or endangered species are encountered during the progress of the permitted work, work in the subject area shall be halted and the CDOT Regional Permitting Office and Region Planning and Environmental Manager shall be contacted immediately. Authorization must be provided by CDOT prior to the continuation of work. Information about threatened or endangered species may be obtained from the CDOT website, <http://www.codot.gov/programs/environmental/wildlife/guidelines>, or the Colorado Parks and Wildlife (CPW) website, <http://www.cpw.state.co.us/learn/Pages/SOC-ThreatenedEndangeredList.aspx>. Additional guidance may be provided by the appropriate Region Planning and Environmental Manager (RPEM).

Cultural Resources - The applicant must request a file search of the permit area through the Colorado Office of Archaeology and Historic Preservation (OAHP), Denver, to ascertain if historic or archaeological resources have previously been identified (<http://www.historycolorado.org/oahp/file-search>). Inventory of the permit area by a qualified cultural resources specialist may be necessary, per the recommendation of CDOT. If archaeological sites/artifacts or historic resources are known to exist prior to the initiation of the permitted work or are encountered as the project progresses, all work in the subject area shall be halted and the CDOT Regional Permitting Office and Region Planning and Environmental Manager shall be contacted immediately. Authorization must be provided by CDOT prior to the continuation of work. Additional guidance may be provided by the Regional Permitting Office and RPEM. **Contact Information:** Contact the OAHP for file searches at (303) 866-5216.

Paleontological Resources - The applicant must request a fossil locality file search through the University of Colorado Museum, Boulder (<https://cumuseum.colorado.edu/research/paleontology/vertebrates/policies>), and the Denver Museum of Nature and Science (<http://www.dms.org/science/collections/earth-science-collections/>) to ascertain if paleontological resources have been previously identified in or near the permit area. Inventory of the permit area by a qualified paleontologist may be necessary, per the recommendation of CDOT. If fossils are encountered during the permitted work, all work in the subject area shall be halted and the CDOT Regional Permitting Office and Region Planning and Environmental Manager shall be contacted immediately. Authorization must be provided by CDOT prior to the continuation of work. Additional guidance may be provided by the Regional Permitting Office in the Permit Special Provisions. **Contact Information:** See the museum websites listed above for Paleontological Collections Manager contact information. Contact the CDOT Paleontologist for further information at nicole.peavey@state.co.us or (303) 757-9632. The CDOT Paleontologist will not conduct a comprehensive file search independently of the museums.

Hazardous Materials, Solid Waste - The Solid Wastes Disposal Sites and Facilities Act C.R.S. 30-20-100, et al, and Regulations Pertaining to Solid Waste Disposal Sites and Facilities (6 CCR 1007-2), prohibit solid waste disposal without an approved Certificate of Designation (a landfill permit). The Colorado Hazardous Waste Act C.R.S. 25-15-301 et al, and the Colorado Hazardous Waste Regulations (6 CCR 1007-3) prohibit the transfer, storage or disposal (TSD) of hazardous waste except at permitted TSD sites. There are no permitted landfills or TSD sites within the State Highway Right of Way. Therefore, all solid or hazardous wastes that might be generated by the activities of entities entering the State Highway Right of Way must be removed from the ROW and disposed of at a permitted facility or designated collection point (e.g., for solid waste, a utility or construction company's own dumpster). If pre-existing solid waste or hazardous materials contamination (including oil or petroleum contaminated soil, asbestos, chemicals, mine tailings, etc.) is encountered during the performance of work, the permittee shall halt work in the affected area and immediately contact the CDOT Regional Permitting Office for direction as to how to proceed. **Contact Information:** Theresa Santangelo-Dreiling, CDOT Hazardous Materials Management Supervisor: (303) 512-5524.

Asbestos Containing Materials, Asbestos Contaminated Soil - All work on asbestos containing materials (ACM) must comply with the applicable requirements of the CDPHE Air Pollution Control Division's (APCD) Regulation 8. Disposal of ACM, and work done in asbestos-contaminated soil, must comply with the CDPHE Hazardous Materials and Waste Management Division's (HMWMD) Solid

Waste Regulations. The application for any CDOT permit must specifically identify any ACM involved in the work for which authorization is being requested. Additional guidance or requirements may be specified in the permit special provisions. **Contact Info:** CDPHE APCD and HMWMD Regulations can be accessed via the CDPHE Environmental Permitting Website listed above. Additional information [concerning clearance on CDOT projects](#) is available from the CDOT Asbestos Project Manager (303) 512-5519, or Theresa Santangelo-Dreiling, Hazardous Materials Management Supervisor: (303) 512-5524.

Transportation of Hazardous Materials - No person may offer or accept a hazardous material for transportation in commerce unless that person is registered in conformance with the United States Department of Transportation regulations at 49 CFR, Part 171. The hazardous material must be properly classed, described, packaged, marked, labeled, and in condition for shipment as required or authorized by applicable requirements, or an exemption, approval or registration has been issued. Vehicles requiring a placard, must obtain authorization and a State HAZMAT Permit from the Colorado Public Utilities Commission. **Contact Information:** For authorization and more info call the Federal Motor Safety Carrier Administration, US DOT for inter- and intra-state HAZMAT Registration (303) 969-6748. Colorado Public Utilities Commission: (303) 894-2868.

Discharge of Dredged or Fill Material – 404 Permits Administered By the U.S. Army Corps of Engineers, and Section 401

Water Quality Certifications Issued by the CDPHE WQCD - Corps of Engineers 404 permits are required for the discharge of dredged or fill materials into waters of the United States, including wetlands. There are various types of 404 permits, including nationwide permits, which are issued for activities with relatively minor impacts. For example, there is a nationwide permit for utility line activities (nwp #12). Depending upon the specific circumstances, it is possible that either a "general" or "individual" 404 permit would be required. If an individual 404 permit is required, section 401 water quality certification from the CDPHE WQCD is also required. Contact the appropriate Corps District Regulatory Office for information about what type of 404 permit may be required (contact information above). Contact the CDPHE Water Quality Control Division at (303) 692-3500.

Working on or in any stream or its bank - In order to protect and preserve the state's fish and wildlife resources from actions that may obstruct, diminish, destroy, change, modify, or vary a natural existing stream or its banks or tributaries, it may be necessary to obtain a Senate Bill 40 certification from the Colorado Department of Natural Resources. A stream is defined as 1) represented by a solid blue line on USGS 7.5' quadrangle maps; and/or 2) intermittent streams providing live water beneficial to fish and wildlife; and/or 3) segments of streams supporting 25% or more cover within 100 yards upstream or downstream of the project; and/or 4) segments of streams having wetlands present within 200 yards upstream or downstream of the project measured by valley length. The CPW application, as per guidelines agreed upon by CDOT and CPW, can be accessed at <https://www.codot.gov/programs/environmental/wildlife/guidelines>.

Stormwater Construction Permit (SCP) and Stormwater Discharge From Industrial Facilities - Discharges of stormwater runoff from construction sites disturbing one acre or more - or certain types of industrial facilities, such as concrete batch plants - require a CDPS Stormwater Permit. **Contact Information:** Contact the CDPHE Water Quality Control Division at (303) 692-3500. Website: <https://www.colorado.gov/pacific/cdphe/wq-construction-general-permits> and <https://colorado.gov/pacific/cdphe/wq-commerce-and-industry-permits>.

Construction Dewatering (Discharge or Infiltration) and Remediation Activities - Discharges of water encountered during excavation or work in wet areas may require a Construction Dewatering or Remediation Activities Discharge Permit. **Contact Information:** For Construction Dewatering and Remediation Activities Discharge Permits, contact the CDPHE WQCD at (303) 692-3500. For Applications and Instructions (CDPHE website): <https://www.colorado.gov/pacific/cdphe/wq-construction-general-permits>.

Municipal Separate Storm Sewer System (MS4) Discharge Permit - Discharges from the storm sewer systems of larger municipalities, and from the CDOT highway drainage system that lies within those municipalities, are subject to MS4 Permits issued by the CDPHE WQCD. For facilities that lie within the boundaries of a municipality that is subject to an MS4 permit, the owner of such facility should contact the municipality regarding stormwater related clearances that may have been established under that municipality's MS4 permit. All discharges to the CDOT highway drainage system or within the Right of Way (ROW) must comply with the applicable provisions of the Colorado Water Quality Control Act, the Water Quality Control Commission (WQCC) Regulations (<https://www.colorado.gov/pacific/wqcc-regulations-and-policies-and-water-quality-statutes>) and the CDOT MS4 Permit # COS-000005 (<https://www.codot.gov/programs/environmental/water-quality/documents>). Discharges are subject to inspection by CDOT and CDPHE. Contact the CDPHE Water Quality Control Division at (303) 692-3500 for a listing of municipalities required to obtain MS4 Permits, or go to <https://www.colorado.gov/pacific/cdphe/wq-municipal-ms4-permits>. For CDOT-related MS4 regulations, go to: <https://www.codot.gov/programs/environmental/water-quality/stormwater-programs.html>.

General Prohibition – Discharges - All discharges are subject to the provisions of the Colorado Water Quality Control Act and the Colorado Discharge Permit Regulations. Prohibited discharges include, but are not limited to, substances such as wash water, paint, automotive fluids, solvents, oils or soaps and sediment. **Contact Information:** Contact the CDPHE Water Quality Control Division at (303) 692-3500.

General Authorization - Allowable Non-Stormwater Discharges - Unless otherwise identified by CDOT or the WQCD as significant sources of pollutants to the waters of the State, the following discharges to stormwater systems are allowed without a Colorado Discharge Permit System permit: landscape irrigation, diverted stream flows, uncontaminated ground water infiltration to separate storm sewers, discharges from potable water sources, foundation drains, air conditioning condensation, irrigation water, uncontaminated springs, footing drains, water line flushing, flows from riparian habitats and wetlands, and flow from firefighting activities. Allowable non-stormwater discharges can be found under Illicit Discharge PDD at: <https://www.codot.gov/programs/environmental/water-quality/stormwater-programs.html>. **Contact Information:** The CDPHE Water Quality Control Division (telephone #'s listed above).

Erosion and Sediment Control Practices - For activities requiring a Stormwater Construction Permit, erosion control requirements will be specified in that permit. In situations where a stormwater permit is not required, all reasonable measures should be taken to minimize erosion and sedimentation according to CDOT Standard Specifications 107.25, 208, 213 and 216 (<https://www.codot.gov/business/designsupport/2011-construction-specifications/2011-Specs/2011-specs-book>). All disturbances require a stabilization plan, native seeding or landscape design plan according to applicable CDOT Standard Specifications 212-217 and 623. The CDOT Erosion Control and Stormwater Quality Guide (available from the Bid Plans Office at (303) 757-9313) should be used to design erosion controls and restore disturbed vegetation.

Disposal of Drilling Fluids - Drilling fluids used in operations such as Horizontal Directional Drilling may be classified as "discharges" or "solid wastes," and in general, should be pumped or vacuumed from the construction area, removed from the State Highway Right of Way, and disposed of at permitted facilities that specifically accept such wastes. Disposal of drilling fluids into storm drains, storm sewers, roadside ditches or any other type of man-made or natural waterway is prohibited by Water Quality Control and/or Solid Waste regulations. Small quantities of drilling fluid solids (less than 1 cubic yard of solids) may be left on-site after either being separated from fluids or after infiltration of the water, provided: 1) the drilling fluid consists of only water and bentonite clay, or, if required for proper drilling properties, small quantities of polymer additives that are approved for use in drinking water well drilling; 2) the solids are fully contained in a pit, and are not likely to pose a nuisance to future work in the area, 3) the solids are covered and the area restored as required by CDOT permit requirements (Utility, Special Use, or Access Permits, etc.). **Contact Information:** Contact CDPHE (telephone #'s listed above).

Noxious Weeds and Invasive Species Management Plan – Noxious Weeds and Invasive Species guidance can be found by contacting the Colorado Department of Agriculture (<https://www.colorado.gov/pacific/agconservation/noxiousweeds>) and the Colorado Division of Parks and Wildlife (<http://cpw.state.co.us/aboutus/Pages/RS-NoxiousWeeds.aspx>). In either case, management plans involving the control of noxious weeds associated with the permitted activity and cleaning of equipment will be required.

Concrete Washout - Waste generated from concrete activities shall NOT be allowed to flow into the drainage ways, inlets, receiving waters, or in the CDOT ROW. Concrete waste shall be placed in a temporary concrete washout facility and must be located a minimum of 50 feet from state waters, drainageways, and inlets. Concrete washout shall only be performed as specified by the CDOT Environmental Program and shall be in accordance to CDOT specifications and guidelines. **Contact Information:** Contact CDPHE or find additional information on the CDOT website: <https://www.codot.gov/business/designsupport/2011-construction-specifications/2011-Specs> and refer to the specifications and their revisions for sections 101, 107 and 208.

Spill Reporting - Spills shall be contained and cleaned up as soon as possible. Spills shall NOT be washed down into the storm drain or buried. All spills shall be reported to the CDOT Illicit Discharge Hotline at (303) 512-4446 (4H20), as well as the Regional Permitting Office and Regional Maintenance Supervisor. Spills on highways, into waterways, any spill in the highway right-of-way exceeding 25 gallons, or that may otherwise present an immediate danger to the public shall be reported by calling 911, and shall also be reported to the CDPHE at 1-877-518-5608. More information can be found at <https://www.colorado.gov/pacific/cdphe/emergency-reporting-line>.

About This Form - Questions or comments about this Information Summary may be directed to Alex Karami, Program Administrator, CDOT Access Management Unit, at (303) 757-9841, alex.karami@state.co.us.



What is stormwater runoff?

Stormwater runoff occurs when precipitation from rain or snowmelt flows over the ground. Impervious surfaces like roads and sidewalks prevent stormwater from naturally soaking into the ground

Why is stormwater runoff a problem?

Stormwater can pick up debris, chemicals, dirt and other pollutants and flow into CDOT's storm drain system or directly into a stream, river, lake, wetland or reservoir. Anything that enters CDOT's storm drain system is discharged untreated into the waterways we use for fishing, swimming, and providing drinking water.



Dredged spoil, dirt, slurry, solid waste, incinerator residue, sewage, sewage sludge, garbage, trash, chemical waste, biological nutrient, biological material, radioactive material, heat, pH, wrecked or discarded equipment, rock, sand, any industrial, municipal, or agricultural waste.

Tips for Reporting an Illicit Discharge

Call the illicit discharge hotline at **(303) 512-4426**
From a safe distance try to estimate the amount of the discharge.
Identify characteristics of the discharge (color, odor, algae, etc.).
Obtain information on the vehicle dumping the waste (if applicable).
Do not approach!
Call *CSP for illicit dumping.
If possible, take a photo, record a license plate.
REMEMBER:
Never get too close to the illicit discharge, it may be dangerous!!!

For more information on CDOT Utility Permits:

https://www.codot.gov/business/permits/utility_permitspecialuse

For more information on CDOT Access Permits:

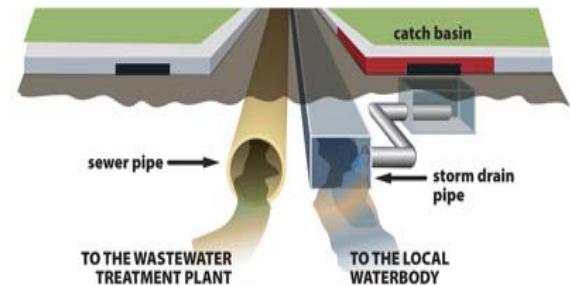
https://www.codot.gov/business/permits/access_permits

For more information on CDOT Water Quality Program:

Water Quality Program Manager
4201 E. Arkansas Ave.
Shumate Building
Denver, Colorado 80222
303-757-9343

Water Quality Program Industrial Facilities Program

CDOT has a Municipal Separate Storm Sewer System permit, otherwise known as (MS4) from the Colorado Department of Public Health and Environment. The permit states that only stormwater can be discharged from CDOT's storm drain system



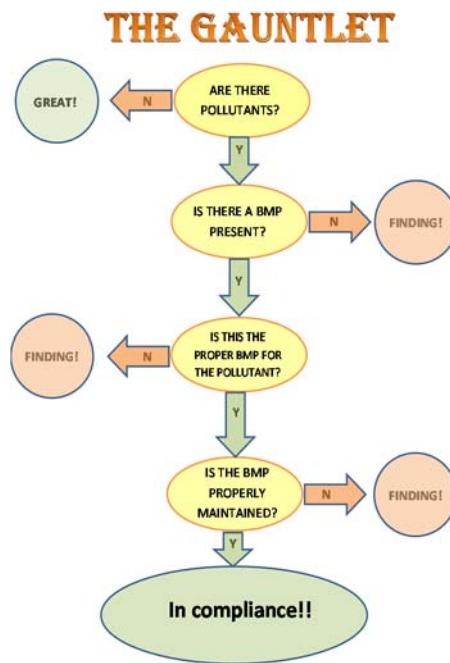
As part of the permit, CDOT has several different programs to prevent pollutants from entering into the storm drain system:

- Construction Site Program
- New Development Redevelopment Program
- Illicit Discharge Program
- Industrial Facilities Program
- Public Education and Outreach Program
- Pollution Prevention and Good Housekeeping Program
- Wet Weather Monitoring Program



Control Measures for Industrial Facilities

Industrial facilities can use control measures (CM) otherwise known as Best Management Practices (BMP) during the construction of a facility and when operating the facility. Control measures are schedules of activities, maintenance procedures, and other management practices to prevent and reduce pollution entering into CDOT's storm drain system. Control Measures also include treatment, operating procedures, and practices to control site run off which can include structural and non-structural controls.



CDOT defines a utility, or utility facility as any privately, publicly, or cooperatively owned line, facility, or system producing, transmitting or distributing the following:

- ✓ Communications
- ✓ Cable television
- ✓ Power
- ✓ Electricity
- ✓ Light
- ✓ Heat Gas
- ✓ Oil
- ✓ Crude Products
- ✓ Water
- ✓ Stream
- ✓ Waste
- ✓ Stormwater not connected with highway drainage
- ✓ Similar Commodity



Industrial Facilities Program Elements:

1. Educate and outreach to owners or operators that have potential to contribute substantial pollutant to water.
2. Report and include information on discharge and water quality concerns. Provide written notification within 15 days of discovery to CDPHE.
3. Submit an annual report to CDPHE containing the number of informational brochures distributed; name and title of each individual trained.

Education

There are instances when a utility company or other entity doing work in the state highway right-of-way will require some type of environmental permit or clearance for that work. CDOT has put together an Environmental Clearances Information Summary for those applying for a CDOT Utility and Special Use Permit or Access Permit to obtain all required clearances. This fact sheet is given to each permittee and is available at:

<http://www.coloradodot.info/programs/environmental/resources/guidance-standards/Environmental%20Clearances%20Info%20Summary.pdf>

State Highway Access Permit

Attachment to Permit No. 422070 - Additional Terms and Conditions

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1. If there are any questions regarding this permit, please contact Allyson Young at (970) 350-2148.
2. The Permittee or the contractor shall notify Bruce Barnett at (970) 350-2147 at least two working days prior to beginning any access improvements or construction of any kind within the State Highway right-of-way. Failure to comply with this requirement may result in revocation of this permit.
3. The Permittee shall request final inspection by Bruce Barnett at (970) 350-2147 within 10 days following the completion of access construction, and prior to authorized use. The Permittee or their representative shall be present.
4. A fully executed complete copy of this permit must be on the job site with the contractor at all times during construction. Failure to comply with this or any other construction requirement may result in the immediate suspension of work by order of the Department inspector or the issuing authority.
5. The Permittee shall refer to all additional standard requirements included with this permit and any enclosed additional terms, conditions, exhibits, and noted attachments.
6. All communications related to the deliberative process are considered to be part of the permit.
7. Incorporated as part of this permit are the following:
 - Application for Access Permit (CDOT Form No. 137)
 - Permit (CDOT Form No. 101) and its attachments
- Exhibits:
 - "A" – Access/Vicinity Map
8. This permit is issued in accordance with the State Highway Access Code (2 CCR 601-1), and is based upon the information submitted by the Permittee. This permit is only for the use and purpose stated in the Application and Permit. Any changes in traffic volumes or type, drainage, or other operation aspects may render this permit void, requiring a new permit to be applied for based upon the existing and anticipated future conditions.
9. All work is to conform to the plans referenced by this permit on file with the Department or as modified by this permit. (If discrepancies arise, this permit shall take precedence over the plans.) The Department plan review is only for the general conformance with the Department's design and code requirements. The Department is not responsible for the accuracy and adequacy of the design, dimensions, elevations, and any other elements which shall be confirmed and correlated at the work site. The Department, through the approval of this document, assumes no responsibility for the completeness and/or accuracy of the plans.
10. The Permittee is responsible for obtaining any necessary additional federal, state, and/or city/county permits or clearances required for construction of the access. Approval of this access permit does not constitute verification of this action by the Permittee.

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11. The Permittee is responsible for the resolution of any unforeseen circumstances.
12. The State requires a Certificate of Insurance prior to commencing any work on the State Highway right-of-way. Policies shall name the State of Colorado as additional insured party. All vendors, contractors, and utility companies shall procure, at their own expense, and maintain for the duration of the work period, the following minimum insurance coverages:
 - A. Standard workman's compensation and employer's liability, including occupational disease, covering all employees engaged in performance of the work at the site, in the amount required by State Statutes.
 - B. Comprehensive general liability in the amount of \$600,000 combined single limit bodily injury and property damage, each occurrence and \$2,000,000 annual aggregate.
 - C. Automobile liability in the amount of \$1,000,000 combined single limit bodily injury and property damage, for each accident.

Certificates of insurance showing compliance with these provisions shall be attached to and made a part of this permit and be available on the site during construction.

13. All costs associated with the installation of this access are the responsibility of the Permittee. This includes design, construction, signing and striping, utility relocation, testing of materials, and inspections. In the event a signal is warranted in the future, CDOT will not participate in any fashion with that signal installation, including financially.
14. The Department will not participate in any costs related to the design and installation of a traffic signal, should one be warranted or approved at this access location or any other serving this development.
15. The development of this property shall not negatively impact adjacent nearby properties. Correction of the problem and cost resulting from damages shall be borne by the Permittee.
16. It is the responsibility of the Permittee to determine which environmental clearances and/or regulations apply to the project, and to obtain any clearances that are required directly for the appropriate agency prior to commencing work. Please refer to or request a copy of the "CDOT Environmental Clearance Information Summary" (ECIS) for details. The ECIS may be obtained from the CDOT Permitting Offices or may be accessed via the CDOT Planning/Construction-Environmental Guidance webpage at <http://www.dot.state.co.us/environmental/Forms/asp>. FAILURE TO COMPLY WITH REGULATORY REQUIREMENTS MAY RESULT IN THE SUSPENSION OR REVOCATION OF YOUR CDOT PERMIT, OR ENFORCEMENT ACTIONS BY OTHER AGENCIES.

ALL discharges are subject to the provisions of the Colorado Water Quality Act and the Colorado Discharge Permit Regulations. Prohibited discharges include substances such as: wash water, paint, automotive fluids, solvents, oils or soaps.

Unless otherwise identified by CDOT or the Colorado Department of Public Health and Environmental (CDPHE) Water Quality Control Division (WQCD) as significant sources of pollutants to the waters of the State, the following discharges to storm water systems are allowed without a Colorado Discharge Permit System Permit: landscape irrigation, diverted

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stream flows, uncontaminated ground water infiltration to separate storm sewers, discharges from potable water sources, foundation drains, air condition condensation, irrigation water, springs, footing drains, waterline flushing, flows from riparian habitats and wetlands, and flow from fire-fighting activities.

ANY OTHER DISCHARGES, including storm water discharges from industrial facility or construction sites, may require Colorado Discharge Permit System permits from CDPHE before work begins. For additional information and forms, go to the CHPHE website at: <http://cdphe.state.co.us/wq/PermitsUnit/wqu>.

17. Should any excavation encounter plant or animal fossils, the remains of historic or prehistoric structures, artifacts, (pottery, stone tools, arrowheads, etc.), the work shall be stopped and the Permittee shall notify the Department inspector.
18. Survey markers or monuments must be preserved in their original positions. Notify the Department at (970) 350-2173 immediately upon damage to or discovery of such markers or monuments at the work site. Any survey markers or monuments disturbed during the permitted work shall be repaired and/or replaced immediately at the expense of the Permittee.
19. Landscaping and site construction shall not obstruct sight distance at any State Highway access point. Landscaping within the State Highway right-of-way requires the Permittee to obtain a CDOT Landscaping Permit from the Traffic/Access Section. The access permit does not authorize that activity. Irrigation of features within the right-of-way may require the Permittee to install a subsurface drain in accordance with CDOT Standard M-605-1 or other approved system. The Permittee shall contact Allyson Mattson at the Greeley Traffic Office, (970) 350-2148 to obtain the Landscaping Permit.
20. This permit is subject to revocation due to: 1) Noncompliance with the provisions of this permit; 2) Abandonment; 3) Supersedure by new permit covering the same installation; or 4) Conflict with necessary planned highway construction and/or improvements. The permittee shall promptly terminate occupancy upon notice of cancellation of the permit from the Department, unless a new permit is applied for and granted.
21. The Department inspector may suspend work due to: 1) Noncompliance with the provisions of this permit; 2) Adverse weather or traffic conditions; 3) Concurrent highway construction or maintenance in conflict with permit work; 4) Any condition deemed unsafe for workers or the general public. The work may be resumed upon notice from the Department Inspector.
22. If necessary, minor changes, corrections, and/or additions to this permit may be ordered by the Department inspector, other Department representative or local authority to meet unanticipated site conditions. Changes may not be in violation of the State Highway Access Code. All major changes to the plan must be approved in writing by the Department prior to commencement of any work on or within the State Highway right-of-way.

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23. Reconstruction and improvements to the access may be required when the Permittee has failed to meet the required design and/or material specifications. If any construction element fails within two years due to improper construction or material specifications, the Permittee is responsible for all such repairs.
24. The Department retains the right to perform any necessary maintenance work in this area.
25. Routine, periodic maintenance and emergency repairs may be performed within the State Highway right-of-way, under general terms and conditions of the permit. Any significant repairs such as culvert replacement, resurfacing, or changes in design or specifications, will require written authorization from the Department. The Department shall be given proper advance notice whenever maintenance work will affect the movement or safety of traffic on the State Highway. In an emergency, the Department Region Office and the State Patrol shall immediately be notified of possible hazards.
26. Access construction methods and materials shall conform to the Colorado Department of Transportation Standard Specifications for Road and Bridge Construction (current edition).
27. All materials, equipment, installation, construction, and design, including the auxiliary lane(s) and intersection improvement(s) within the State Highway shall be in accordance with the following Department standard references as applicable.
 - A. State Highway Access Code, 2 CCR601-1
 - B. Roadway Design Manual
 - C. Materials Manual
 - D. Construction Manual
 - E. Standard Specifications for Road and Bridge Construction, latest edition
 - F. Standard Plans (M&S Standards)
 - G. Manual on Uniform Traffic Control Devices (M.U.T.C.D.) for Streets and Highways and the Colorado Supplement thereto
 - H. A Policy on Geometric Design of Highways and Streets, American Association of State Highway and Transportation Officials (AASHTO), latest edition
 - I. AASHTO Roadside Design Guide
 - J. Institute of Transportation Engineer's Trip Generation Manual, 6th Edition

Some of the reference materials listed above (A through E) may be purchased from:

Colorado Department of Transportation
Bid Plans Room
4201 East Arkansas Avenue
Denver, CO 80222-3400
(303) 757-9313

The State Highway Access Code may be purchased from:

The Public Records Corporation
1666 Lafayette Street
PO Box 18186

State Highway Access Permit

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Denver, CO 80218
(303) 832-8262

The website address is: www.cdot.gov

28. All workers within the State Highway right-of-way shall comply with their employer's safety and health policies/procedures, and all applicable U.S. Occupational Safety and Health Administration (OSHA) regulations – including, but not limited to, the applicable sections of 29 CFR Part 1910 – Occupational Safety and Health Standards and 29 CFR Part 1926 – Safety and Health Regulations for Construction.

At a minimum, all workers in the State Highway right-of-way, except when in their vehicles, shall wear the following personal protective equipment:

- Head protection that complies with the ANSI Z89.1-1997 standard;
- At all construction sites or whenever there is danger of injury to feet, protective footwear that complies with the ANSI Z41-1999 standard will be worn
- High visibility apparel as specified in the Traffic Control provision of this permit (at such a minimum ANSI/ISEA 107-1999, Class 2).

Where any of the above referenced ANSI standards have been revised, the most recent version of the standard shall apply.

29. No work will be allowed at night, or on Saturdays, Sundays, and legal holidays without prior authorization from the Department. The Department may also restrict work within the State Highway right-of-way during adverse weather conditions.
30. No construction vehicles shall be parked, or construction materials/equipment stored, on the State Highway right-of-way overnight.
31. Backing maneuvers within and into the State Highway right-of-way are strictly prohibited. All vehicles shall enter and exit the highway right-of-way in forward movement. Backing into the right-of-way shall be considered a violation of the terms and conditions of the access permit and may result in revocation of the permit by the Department and/or the issuing authority.
32. Traffic detours or lane closures will not be allowed, unless pre-approved by the Department.
33. Two-way traffic shall be maintained throughout the work area at all times unless specific written authorization is obtained from the Department.
34. Construction traffic control devices, when not in use, shall be removed or turned away from traffic. Devices must be stored outside of the roadway clear zone per the latest AASHTO guidelines.

State Highway Access Permit

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35. Cattle guards are not permitted in State Highway right-of-way.
36. Any fencing modifications should follow the included Standard M-607-1 sheets 1 through 3. Permittee will be required to obtain a highway right-of-way fence agreement for a special fence if the Permittee desires to remove the existing standard highway fencing in this area.

When it is necessary to remove any highway right-of-way fence, the posts on either side of the access entrance shall be securely braced with approved end posts and in conformance with the Department's M-607-1 standard, before the fence is cut to prevent slackening of the remaining fence. All posts and wire removed shall be returned to the Department.
37. All required access improvements shall be installed prior to the herein authorized use of this access. Failure to do so will result in the appropriate legal action from the Department, up to Permit Revocation.
38. The access shall be maintained as per Exhibit "A".
39. The access shall be maintained perpendicular to the travel lanes of the State Highway for a minimum distance of 40 feet, and shall slope down and away from the adjacent pavement edge at a rate of 2% grade for a minimum of 20 feet.
40. Surfacing of the access shall be maintained as per Exhibit "A".
41. No paved surface shall be cut unless specified in this permit. Asphalt removal shall be saw cut to assure a straight edge for patching. Full panel concrete replacement is required for any concrete work.
42. If frost, water, or moisture is present in the subgrade, no surfacing materials shall be placed until all frost, water, or moisture is gone or removed.
43. The access shall be maintained in such a manner that will not cause water to enter onto the roadway, and will not interfere with the existing drainage system within the State Highway right-of-way. Drainage to the State Highway right-of-way shall not exceed historical rate of flow.
44. All existing drainage structures shall be extended, modified, or upgraded as necessary, to accommodate all new construction and safety standards, in accordance to the Department's standard specifications.



PLANET BLUEGRASS

*Offices: 304 2nd Avenue | Festivals: 500 W. Main Street | Mailing: PO Box 769
Lyons, CO 80540
303-823-0848
planet@bluegrass.com*

December 07, 2021

Colorado Department of Transportation
Attn: Timothy Bilobran
Via Email: c/o Philip Strom pstrom@townoflyons.com

RE: Traffic Impacts of Planet Bluegrass Conditional Use Update

Timothy,

This document is intended to clarify several items related to the normal event operations at Planet Bluegrass and how traffic will be affected by the recently submitted conditional use update. Throughout our application and this document, we refer to our properties as "The Ranch" and "The Farm". The Ranch is the property at 500 W Main Street, where our performances are, and guests are able to eat, drink, and camp. There is very limited parking on-site for VIP's and staff. The Farm refers to the property at 19680 N. St Vrain Drive, on both the North and South sides of the North Saint Vrain Creek. This property handles all of our attendee parking, as well as camping for certain events.

We are seeking two major changes to our conditional use that may have notable traffic impacts. First, we are requesting a change to our "Mid-Tier" events, as defined by our existing zoning. We are currently allowed to host ten events at a capacity of 1,000 attendees, and are seeking to increase the capacity to 3,000 attendees and use The Farm property for parking and camping.

Our second request is for approval to camp up to 1,000 people at the Farm in an area we refer to as the "South Grazing Area". This area is between Apple Valley Road and the North Saint Vrain Creek, along the southern boundary of The Farm property. This camping area will only be utilized in conjunction with **major events** at The Ranch, as defined by our current zoning, so we will be limited to 12 event days per year. Furthermore, access will not be allowed from Apple Valley Road, other than staff & service vehicles. Instead, patrons will park in the area currently approved for parking at the Farm and walk over our pedestrian bridge to their campsite. This camping area will NOT be used in conjunction with Mid-Tier events described above. We are not seeking use of this camping area to sell

additional camping tickets, but instead to shift camping tickets that were originally sold for Riverbend (501 W Main Street), which we are no longer able to use.

One of our key operational goals for all events we do is to minimize impacts on Highway 36. We contract with the Boulder County Sheriff's Office (BCSO) for a flagger to manage attendees turning into The Farm property for all events we currently host, and intend to do this for these Mid-Tier events if they are approved. Furthermore, we work closely with the BCSO flagger and officers to address any traffic impacts that do arise. The incorporation of the highway underpass connecting our two properties, as well as continued improvements to our operations, allowed us to run extremely smooth events related to parking and traffic in 2021, and we plan to continue our pursuit of this.

The following pages offer a more detailed look at how the addition of 1,000 campers at The Farm, in conjunction with Major Events, could affect traffic related to Highway 36. We believe that even with these proposed changes, the traffic study that we submitted in 2018 in conjunction with our annexation request for The Farm property is still applicable. Pedestrian impacts will be reduced since we are no longer utilizing a crosswalk.

We are **not** seeking a capacity increase for our Major events, and therefore we aren't trying to park any more people at The Farm. While we are shifting where our attendees sleep from Riverbend to The Farm property, most of them already parked their car at The Farm. Since we already operate The Farm at its maximum capacity for most events, any additional vehicle traffic created would be directed to our overflow parking at the Town of Lyons Wastewater Treatment Plant.

We do recognize that the addition of Mid-Tier event use of The Farm will increase the number of times Highway 36 is impacted (an increase of up to 10 days per year), however, the level of use for each event will not be higher than that of our original traffic study, since these Mid-Tier events have a lower capacity than or historically approved Major events.

We understand that our current permit approvals will need to be updated to reflect the addition of the Mid-Tier events as well, and we plan to begin that process as soon as our conditional use update is approved.

I recognize that this remains quite nuanced and complicated. If I can be of any assistance in clarifying important aspects of our operation or intended uses, please reach out to me at any time.

Thank you for your consideration.

Zach Tucker
Director of Operations
Telluride Bluegrass Festival, PBC d/b/a Planet Bluegrass
zach@bluegrass.com
303-912-8057

Planet Bluegrass Current Uses

Planet Bluegrass uses 19680 N. Saint Vrain Drive (The Farm) for major events to handle parking and camping. Historically, we have also leased 501 West Main St., known as Riverbend, during our events for additional parking and camping. We will no longer be able to utilize Riverbend for camping in 2022.

Capacities & Management -

Since we began using these two properties, our capacities have been as follows:

Riverbend:

- 600 Campers
- 120 Vehicles

The Farm:

- 350 Campers
- 100 Camping Vehicles (under 18')
- 75 RV's (over 18')
- Roughly 1,000 parking vehicles per day. This number varies depending on vehicle sizes, etc.

It is important to note that most of the 600 Riverbend campers set up their campsite at Riverbend and park their car at the Farm. Only 120 vehicles are able to park on-site at Riverbend as noted. The rest park their car at the Farm and are included in the 1,000 daily parking vehicles noted above.

Access -

Riverbend campers currently access the festival by crossing Highway 36 at the crosswalk in front of the property. This is outlined in the map in Appendix A. The crosswalk is flagged by BCSO flaggers who stop traffic whenever pedestrians need to cross, leading to frequent stops for eastbound and westbound traffic. Since this is camping access, patrons move back and forth throughout the day, meaning each person will likely cross that road 4+ times per day.

All patrons who park and camp at The Farm property cross the North Saint Vrain Creek using our pedestrian bridge and travel under Highway 36 using the underpass. These attendees can move back and forth between their camp/car and the festival without stopping traffic.

Our goal is always to carefully balance camping/parking density with guest experience. We want to use space as efficiently as possible, but also want guests to have an enjoyable experience parking, driving, and camping. At this time, we think we are using the Farm property to close to its operating capacity for our events, other than the South Grazing Area along Apple Valley Road which we are seeking new use of.

Proposed Changes & Impacts

Shifting Riverbend Campers

The proposed addition of camping in the South Grazing Area at The Farm will shift the 600 campers from Riverbend to the Farm but shouldn't have a noticeable impact on vehicle traffic into or out of the Farm, since most of those cars already park there. Since we already use the Farm to its maximum capacity during events, the 120 vehicles that currently park at Riverbend, will either remain parked there under a different lease agreement, or will be directed to our overflow parking lots in Town.

Additional Farm Camping

It is notable that we are requesting approval for up to 1,000 campers in the South Grazing area. At this time, we are only seeking to "re-home" the 600 campers from Riverbend, but based on the square footage of the area, we believe it can fit 1,000 campers. We are seeking approval for this higher number so that we can shift capacity from other camping areas to this one should that be necessary down the road. It is notable that the campers we would be shifting **already park their car at the farm** even if they camp elsewhere. Therefore, even reaching this higher camping number shouldn't have noticeable vehicle impacts at the Farm.

Reduced Traffic Impacts

The opportunity for reduced traffic impacts comes from the decrease in pedestrian crossings of Highway 36. As discussed previously, the constant crossing of Highway 36 by Riverbend campers leads to frequent traffic stops. By shifting these 600 campers up to the Farm, they will be able to take advantage of the underpass to access the festival grounds, meaning they never need to cross Highway 36 and traffic won't need to be stopped at the Riverbend crosswalk.

Due to limited parking available in Town and the risk of losing their parking spot, our camping patrons walk into Town for almost everything they need. The campers moving to The Farm will also be able to access businesses in Town, by using the underpass to cross below the highway.

Mid-Tier Events

Planet Bluegrass is currently approved to hold 10 Mid-Tier events at The Ranch for up to 1,000 people. We are requesting that the capacity for these events be increased to 3,000 people and we be allowed to utilize The Farm for parking and camping related to them. Camping will not be allowed in the South Grazing Area for these events. This will increase the number of times we impact Highway 36, but we plan to continue working with BCSO to manage traffic and our parking operation allows for all the necessary vehicles to enter and exit in an orderly manner with the least possible impact on the Highway.

We recognize that our current CDOT entry permit for the Farm approves us for 10 event days total. We are seeking approval for this zoning change subject to restrictions set forth by our CDOT permits. Therefore, we would be seeking an update to this permit as well once our conditional use update is approved.

Conclusion

The goal of this conditional use update is to position Planet Bluegrass to remain a world class music venue while maximizing our guest experience and reducing our impact on those around us. By shifting camping from Riverbend to the Farm, we are reducing the number of pedestrians who need to cross Highway 36 and not increasing vehicle parking at the Farm. Therefore, the traffic study previously commissioned for The Farm property remains accurate to our proposed use, other than a notable decrease in traffic impact from the removal of the Pedestrian crosswalk. This traffic study is attached in Appendix B for reference. We are also seeking an increase in the number of days we can utilize the Farm for large scale parking and camping operations, but we recognize that this is subject to our CDOT entrance permits. We will be seeking updated permits once our conditional use update is completed.

Appendix A – Pedestrian Travel Map



Appendix B – 2018 Traffic Study

NOTE: This traffic study references pedestrian crossing which no longer occurs, reducing the net impact of our operations on Highway 36.

**PLANET BLUEGRASS
FARM ANNEXATION**

Traffic Impact Study

Prepared for:

Planet Bluegrass
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FHU Reference No. 117263-02

March 2018

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I. INTRODUCTION

Planet Bluegrass is an outdoor music event venue located along the northeast side of US 36, within the Town of Lyons, Colorado. Each summer, Planet Bluegrass hosts two major music festivals: Rockygrass (in July) and the Folks Festival (in August). Both events typically fill the venue to capacity, currently at 4,000 attendees. Peak use of the venue occurs only 10 days out of the year.

Recently, a nearby farm property, located along the southwest side of US 36, has been acquired by Planet Bluegrass and subsequently annexed by the Town of Lyons. The 26.2-acre site is primarily agricultural land, with a single residence and an outbuilding. It is proposed to use this site for parking and camping during major events. Smaller events would also be held at the site; for most of the year, however, the site would remain agricultural. **Figure 1** illustrates the location of the new site relative to the Planet Bluegrass venue and the Town of Lyons.

Figure 2 depicts the current site plan concept. As shown, event parking would occur on about 7.4 acres in the northwest corner of the property (this new parking would replace the use of Bohn Park). Approximately 1,000 vehicles would be accommodated. A camping area would be established on approximately 4.2 acres adjacent to the Saint Vrain Creek, which runs through the south side of the property. Ultimately, about 400 individual campsites are planned. The existing farm residence would be used for weddings and other smaller-scale events during non-festival times.

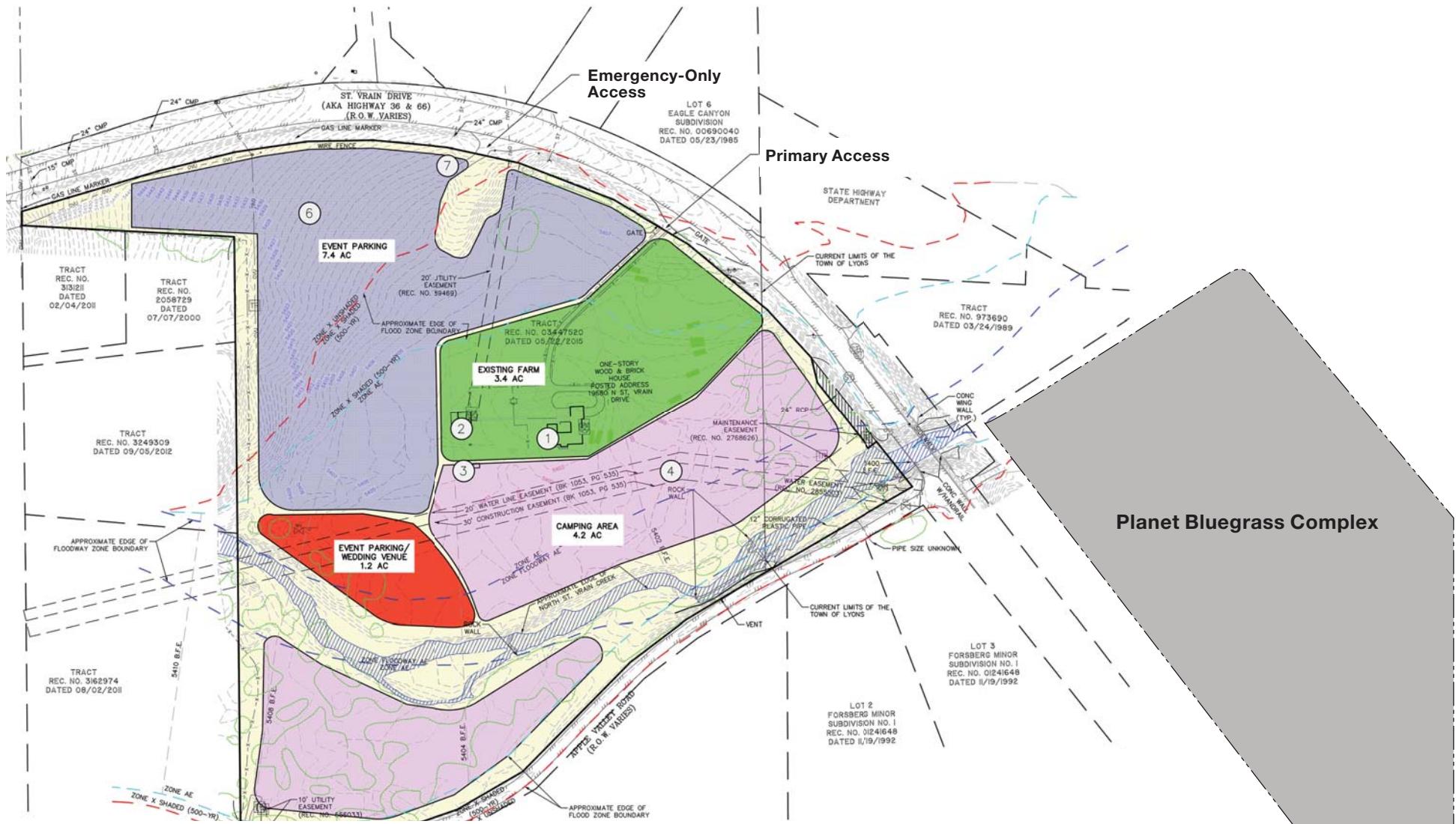
Primary vehicular access would be via the existing driveway on US 36. An emergency-only access is also planned on US 36 about 270 feet west of the primary access. No site access is proposed on Apple Valley Road.

Because the proposed parking and camping uses will shift much of the major event traffic to the farm annexation site, the purpose of this study is to assess the traffic impacts on the adjacent roadways during a major festival. Two scenarios were evaluated:

- **Thursday Peak Hour.** This scenario evaluates the impacts of site traffic arriving at the start of the festival. For this evaluation, 10:00 AM has been estimated for peak site traffic.
- **Saturday Peak Hour.** Because traffic on US 36 tends to be the highest on weekends, this scenario evaluates the festival impacts during a Saturday. This evaluation considers the 3:00 PM peak hour.



 NORTH



II. EXISTING CONDITIONS

Existing Land Use and Roadway Network

Figure I shows the roadway system surrounding Planet Bluegrass. US 36, which bisects the Town of Lyons, is the primary route between Boulder and Estes Park. This state highway is under the authority of the Colorado Department of Transportation (CDOT). CDOT has classified US 36 as an Access Category R-A, Regional Highway, transitioning to NR-B, Non-Rural Arterial, adjacent to the new farm annexation and existing Planet Bluegrass sites. The posted speed limit is 45 miles per hour (MPH) westbound and 40 MPH eastbound. Nearby intersections include Apple Valley Road and Eagle Canyon Circle. Apple Valley Road serves primarily low density, rural residential development. Eagle Canyon Circle serves a single family residential subdivision.

Existing Festival Operations

Through the 2017 season, much of the parking associated with festivals has occurred at Bohn Park, a municipal facility located on the south side of Lyons. Because Bohn Park is about $\frac{3}{4}$ of a mile away from Planet Bluegrass, a shuttle bus system has been established to transport festival-goers between the park and the intersection of US 36/High Street, where they can walk the relatively short distance to the venue. Some festival parking also occurs throughout the Town, either on-street or in designated areas, and these festival-goers filter through Town on foot using various routes to the venue.

Festival campsites have been established at the River Bend campsite, just south of the existing Planet Bluegrass site, as well as at Meadow Park, located south of Railroad Avenue. Both locations have typically been at capacity during festivals. Camping is prohibited at Bohn Park. Festival campers tend to arrive before the start of the festival and stay for the three-day duration.

Special temporary traffic control measures have been enacted during festivals, including parking restrictions in Town, reduced speeds on US 36 adjacent to the Planet Bluegrass site, traffic control officers (Boulder County Sheriff's Department) at the pedestrian crossing, and traffic cones establishing a pedestrian walkway along US 36 between the shuttle stop at High Street and the Planet Bluegrass entrance. Special signing directs festival-goers to parking at Bohn Park. Traffic observations during recent festivals indicated generally safe and orderly movement of vehicles and pedestrians.

Background Traffic Volumes

The Town of Lyons conducted traffic counts on US 36 during the 2017 Rockygrass Festival. The traffic counts were collected in 15-minute intervals from July 18 through July 24, 2017 (the festival ran from Thursday, July 20, to Sunday, July 23). The counts were conducted just east of the 3rd Avenue/US 36 intersection in downtown Lyons. Both eastbound and westbound directional volumes were counted. The westbound directional counter malfunctioned prior to Saturday; these data were, therefore, augmented based on travel patterns obtained from the CDOT website. From the data, the section of US 36 east of Town carried about 18,800 vehicles per day on the Thursday before the festival. On Saturday, this section of US 36 carried about 26,300 VPD. **Appendix A** contains the Town's traffic count data.

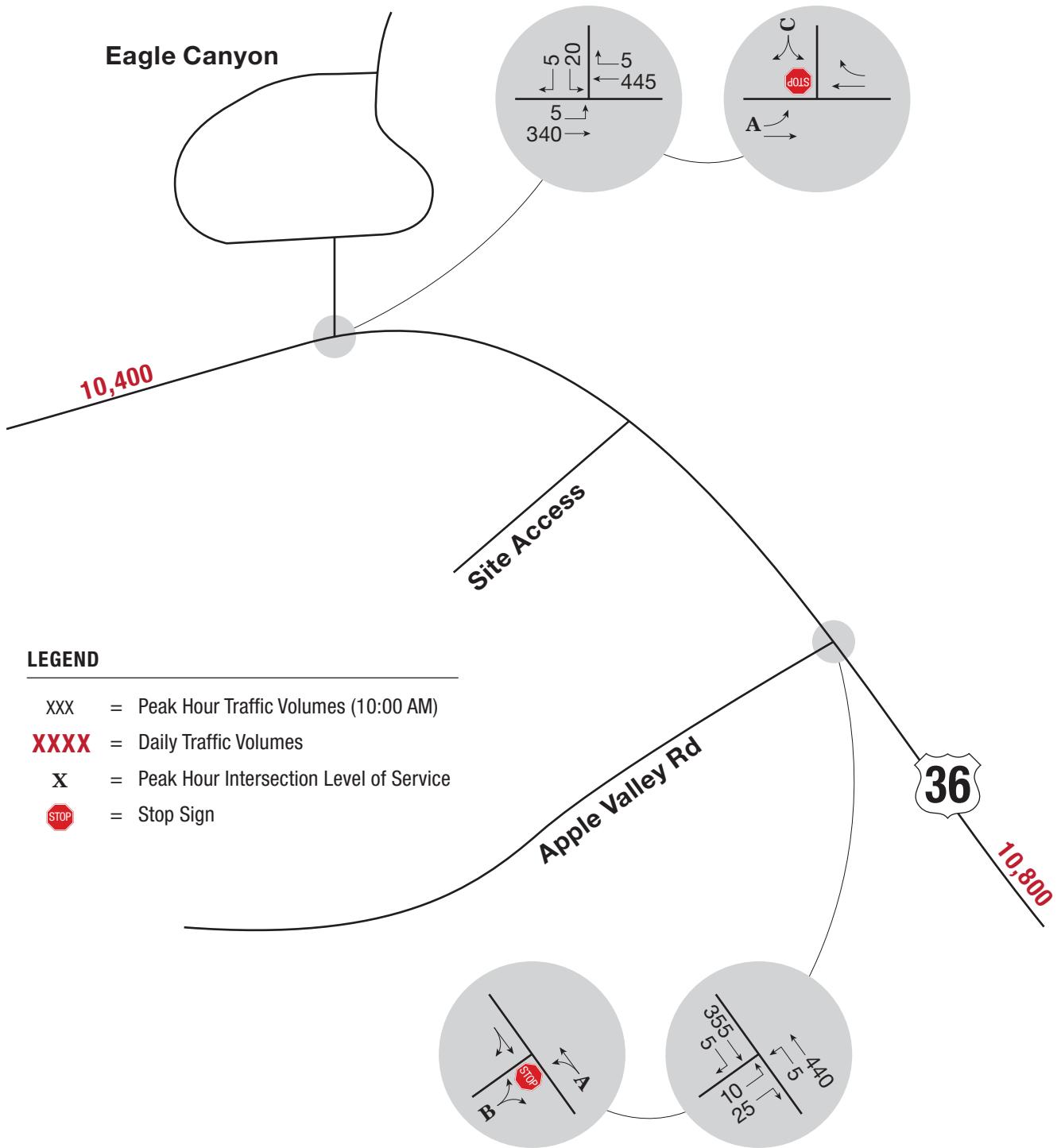
The above traffic volumes were compared to CDOT data for US 36. A CDOT Annual Average Daily Traffic (AADT) volume near the general location of where the Town counts were conducted showed 21,400 VPD. This annual average was used to calculate factors to convert AADT to Thursday and Saturday (0.8785 for Thursday and 1.228 for Saturday).

The above factors were then used to calculate traffic volumes on the section of US 36 to the northwest of Town, adjacent to the farm annexation site. CDOT data from 2015 show an AADT of 9,000 VPD on US 36 at the Longmont Dam Road (about 3.5 miles west of the site). Given that traffic volumes tend to

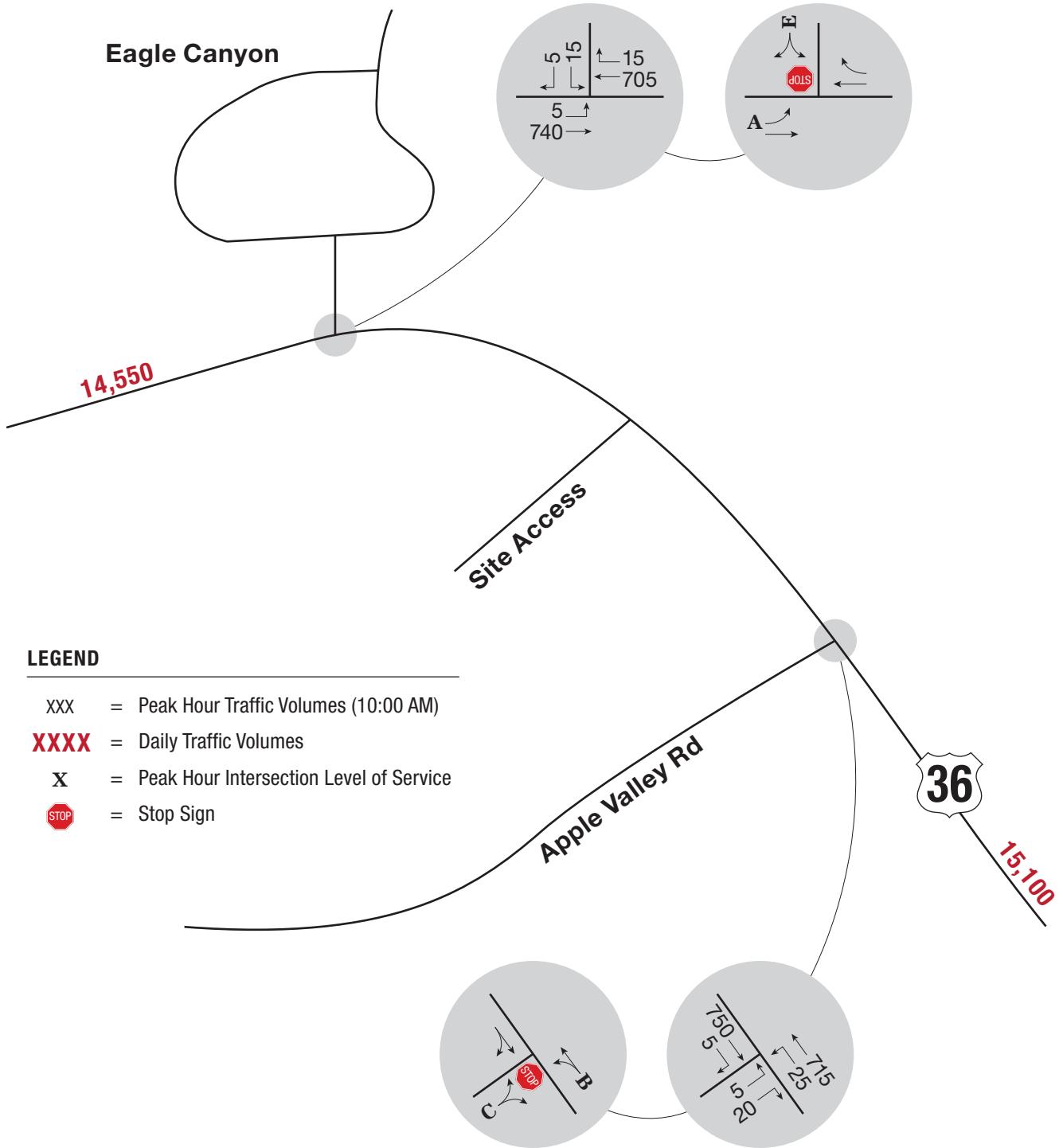
increase approaching Town, a 30 percent increase was estimated. To account for 3 years of growth, the CDOT annual growth rate of 1.7 percent was also applied, yielding an estimated 12,300 AADT adjacent to the farm annexation site. Applying the Thursday and Saturday factors (calculated above) yields 10,800 VPD on Thursday and 15,100 VPD on Saturday.

Figure 3 shows the estimated study area traffic volumes on Thursday. These volumes have been used as background conditions for the Thursday scenario. As indicated, US 36 currently carries about 10,800 vehicles per day (VPD) east of the farm annexation site. Peak hour turning movements at Eagle Canyon Circle and at Apple Valley Road have been estimated using *Institute of Transportation Engineers* trip generation data. The hourly through-movements on US 36 were calculated based on the hourly distributions exhibited in the Town counts.

Figure 4 depicts the background traffic volumes for Saturday. As indicated, the traffic volumes on US 36 show an increase over the Thursday counts, with about 15,100 VPD. For reference, a two-lane arterial highway, such as US 36, has a typical daily capacity of about 12,000 to 16,000 VPD. As with the Thursday scenario, peak hour turning movements at Eagle Canyon Circle and at Apple Valley Road have been estimated using *Institute of Transportation Engineers* trip generation data. The hourly through-movements on US 36 were calculated based on the hourly volumes in the Town counts augmented with CDOT directional data.



NORTH



Background Traffic Operations

Background traffic operations for Thursday were analyzed at the study area intersections based on procedures documented in the *Highway Capacity Manual (HCM)*, Transportation Research Board, 6th Edition, 2017. Level of Service (LOS) is a qualitative measure of operations based on the average delay per vehicle at a controlled intersection. LOS is described by a letter ranging from A to F, with LOS A representing minimal delay and LOS F representing congested conditions and long delays. In developed areas, LOS D is typically considered to be acceptable for peak hour intersection operations.

Figure 3 shows the existing lane geometry, traffic control, and LOS results for the Thursday background condition. At the STOP sign controlled intersection of US 36/Eagle Canyon Road, southbound movements exiting the Eagle Canyon subdivision are acceptable, at LOS C. The inbound left-turn from US 36 also operates acceptably, at LOS A. At US 36/Apple Valley Road, Thursday operations are also acceptable, at LOS A or B during the peak hour analyzed.

Figure 4 shows the corresponding analysis results for the Saturday background conditions. As shown, the weekend increase in traffic volumes along US 36 impacts the STOP sign controlled intersection at Eagle Canyon Road, where the southbound movement operates at LOS E, indicating near-capacity conditions, with some congestion and delays for outbound motorists. Inbound left-turn movements, however, remain within the acceptable range (LOS A). At the Apple Valley Road intersection, traffic operations remain acceptable, at LOS C for STOP sign controlled movements and LOS B for the westbound flow. **Appendix B** contains operational analysis worksheets for the background conditions.

III. SITE GENERATED TRAFFIC

Proposed Uses

As previously mentioned, event parking would occur on about 7.4 acres in the northwest corner of the farm annexation property. This new parking is intended to replace the use of Bohn Park. Approximately 1,000 vehicles would be accommodated. A camping area would be established on approximately 4.2 acres north of the Saint Vrain Creek, which runs through the south side of the property. About 400 individual campsites are planned. The existing farm residence would be used for weddings and other smaller-scale events during non-festival times.

Vehicular access to the site would be via the existing driveway onto US 36. It is envisioned that festival parking and camping would be accessed via this existing driveway. An emergency-only access on US 36 is proposed to be located about 360 feet northwest from the existing access.

Traffic and Pedestrian Projections

Music festivals at Planet Bluegrass run Friday through Sunday, with most of the festival arrivals occurring on Thursday, as evidenced in the parking sales data provided by Planet Bluegrass (see **Appendix C**). Shows typically start at 10:30 or 11:00 AM, with admissions opening at 10:00 AM. A lineup of various artists is scheduled to perform, with shows ending at around 10:30 PM. Festival attendees tend to come and go throughout the day. To estimate the level of vehicular activity at the new site during a festival, this analysis has assumed the following:

Thursday

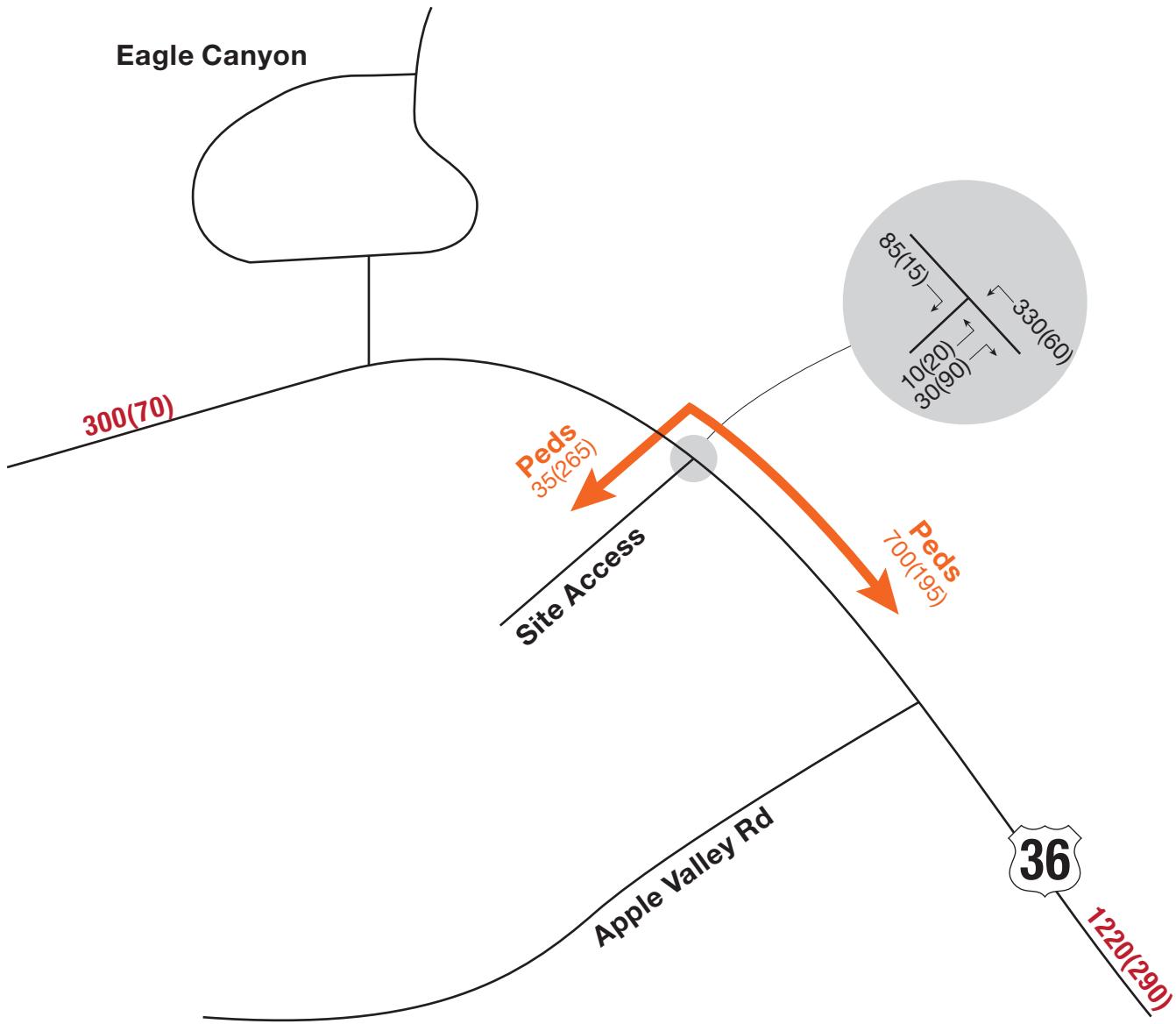
- Traffic at the new site would consist of “parkers” and “campers.” Festival parkers tend to be “day-trippers,” arriving and departing the same day. Campers tend to arrive early and stay on-site throughout the festival.
- Campers tend to arrive a day or two prior to the festival. This analysis assumes that all campers arrive on Thursday. Of these, it is estimated that 30 percent would arrive between 10:00 and 11:00 AM, coinciding with the peak arrival of the parkers.
- One vehicle per each of the 400 campsites is assumed.
- The number of parkers is based on the parking pass sales data provided by Planet Bluegrass (Thursday, Rockygrass, 2017). The proposed 1,000 parking spaces would be near capacity, at 978 tickets sold.
- Approximately 80 percent of festival traffic would be oriented to/from the east via US 36, with 20 percent oriented to/from the west.
- It has been estimated that about 10 percent of the on-site vehicles might exit the site during the peak hour for errands, such as groceries or food.
- Using a typical vehicle occupancy factor of 2.5 and 1,400 vehicles, the new site would represent 3,500 festival attendees. Because the festival capacity is 4,000 persons, it can be calculated that the new site would account for about 87.5 percent of the festival attendance. The remaining 12.5 percent of festival-goers would come from elsewhere, such as in-town parking areas or the existing campsite south of Railroad Avenue.
- The level of pedestrian activity between the new site and the Planet Bluegrass venue would mirror the vehicle arrival/departure patterns described above.

Saturday

- It is estimated that the campsites would be full on Saturday and that the only new arrivals would be parkers. Of the inbound trips, it is estimated that 30 percent would arrive between 3:00 and 4:00 PM, coinciding with the peak of background traffic on US 36.
- The number of parkers is based on the parking pass sales data provided by Planet Bluegrass (Saturday, Rockygrass, 2017). The proposed 1,000 parking spaces would be at capacity, with 1,087 spaces occupied (assumes some turn-over due to festival-goers who leave on Saturday).
- Approximately 80 percent of festival traffic would be oriented to/from the east via US 36, with 20 percent oriented to/from the west.
- It has been estimated that about 10 percent of the on-site vehicles might exit the site during the peak hour for errands, such as groceries or food.
- Pedestrian activity is calculated based on the vehicular patterns.

Figure 5 shows the resultant farm annexation site generated traffic volumes for both Thursday and Saturday conditions. As indicated, Thursday is the heavier day for festival traffic. US 36 would experience between 300 VPD (west) and 1,220 VPD (east) within the study area. Approximately 735 peak hour pedestrian crossings of US 36 are projected.

On Saturday, site generated volumes on US 36 would be between 70 VPD and 290 VPD. Pedestrian activity would be about 460 crossings of US 36 during the peak hour.



IV. TOTAL TRAFFIC CONDITIONS

Thursday

The Thursday background traffic volumes (**Figure 3**) were added to the corresponding site generated traffic volumes (**Figure 5**) to obtain the total projected Thursday traffic volumes during a major festival. The peak hour turning movements and pedestrian crossings were used to perform LOS analyses, the results of which are summarized on **Figure 6**. **Appendix D** contains the total traffic LOS worksheets.

Because major events occur only occasionally (approximately 10 days out of the year), the site access intersection on US 36 would remain unsignalized, with STOP sign control on the outbound approach. However, due to the relatively heavy background flows in conjunction with festival traffic, along with the high number of pedestrians crossing US 36, traffic control officers would be needed to manually direct traffic and pedestrian movements. Traffic control officers would monitor actual flows and react as needed to ensure orderly intersection operations. To approximate the traffic operational levels during festival peak times, an analysis was conducted assuming actuated/uncoordinated signal parameters using SYNCHRO, a computerized capacity analysis tool (worksheets are included in the appendices). Peak hour factors of 0.80 were used for festival traffic and side-street movements at the two adjacent intersections and a peak hour factor of 0.90 was used for mainline US 36 traffic.

As depicted on **Figure 6**, The SYNCHRO analysis indicates that, using traffic control officers, generally acceptable operational levels could be maintained at the site access for vehicular and pedestrian movements: at LOS C during the Thursday peak hour for vehicular traffic and LOS B for pedestrians crossing US 36.

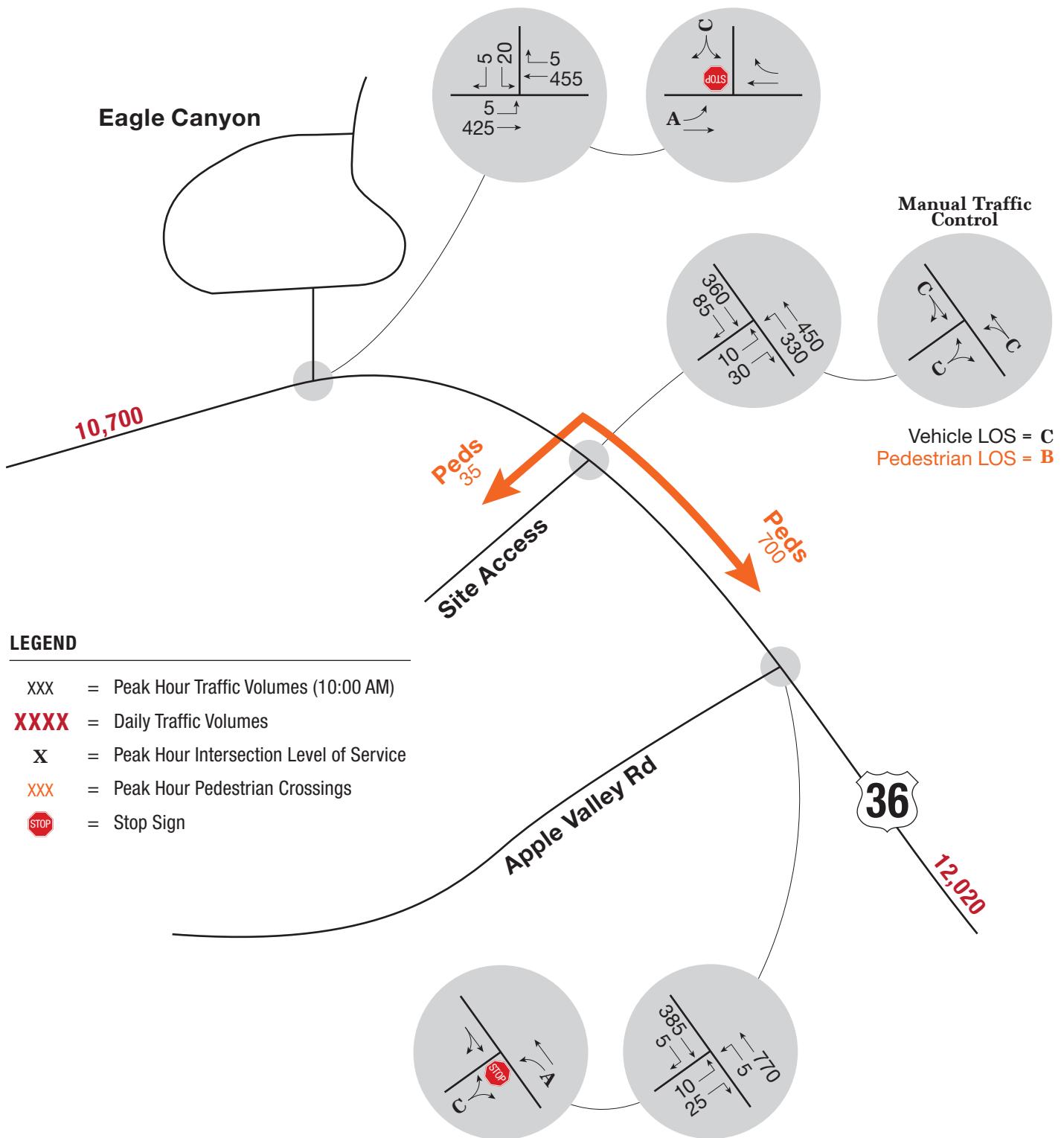
At the US 36/Eagle Canyon Circle intersection, traffic operations would remain as in the background condition, with outbound movements at LOS C. Based on the delay reported in the analysis worksheets, the addition of festival traffic would increase the average delay for this movement by about 1.9 seconds per vehicle. The US 36/Apple Valley Road intersection operations would remain within acceptable limits on Thursday, with outbound movements at LOS C during the peak hour. The addition of festival traffic would increase the average delay for this movement by about 3.4 seconds per vehicle. **Appendix D** contains the LOS worksheets for the total traffic conditions.

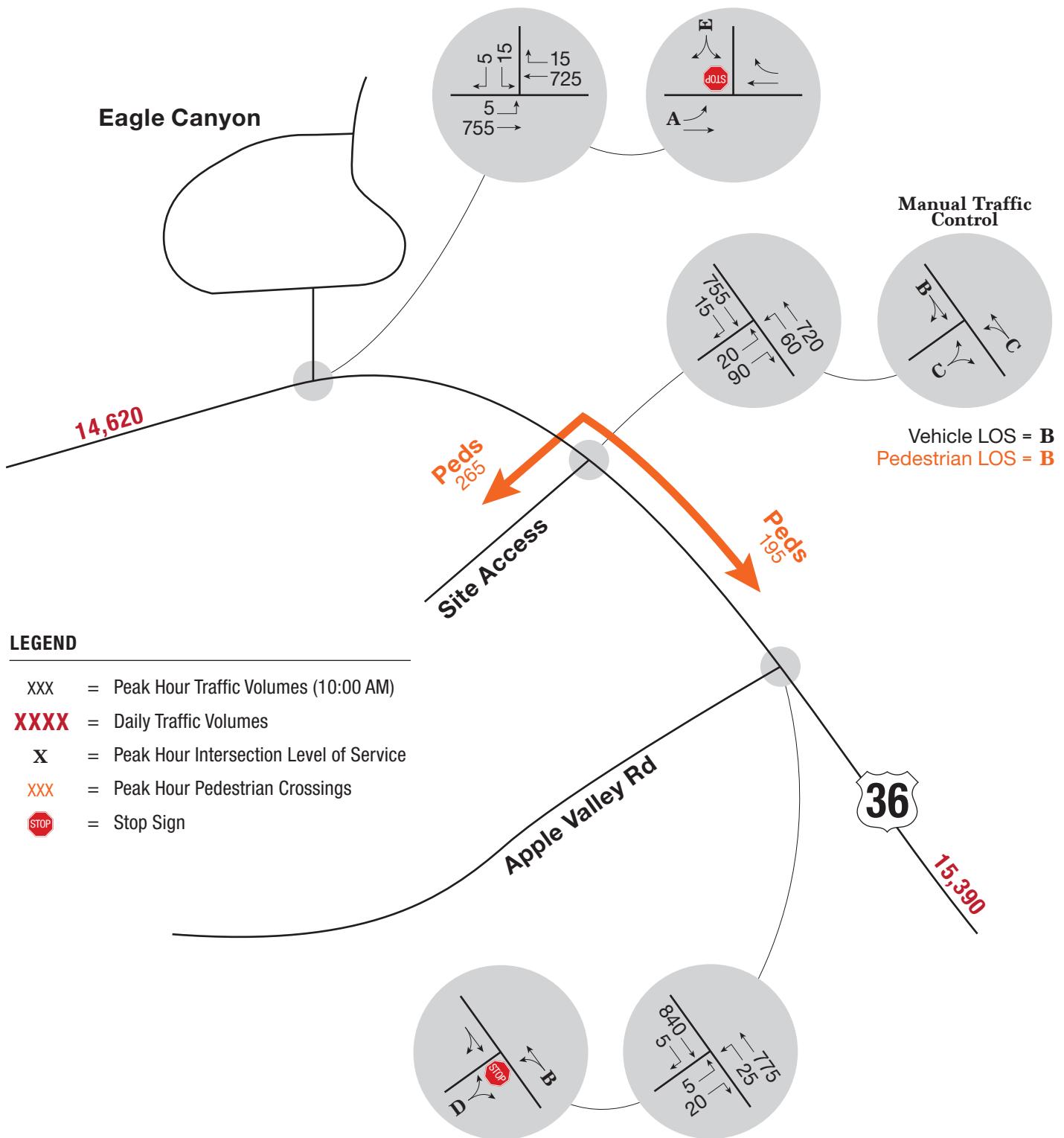
Saturday

Figure 7 depicts the total traffic volumes (sum of **Figures 4** and **5**) and LOS analysis results for Saturday. Traffic control officers could maintain generally acceptable operational levels at the site access for vehicular and pedestrian movements: at LOS B for both vehicles and pedestrians.

At the US 36/Eagle Canyon Circle intersection, traffic operations would remain as in the background condition, with some delays for outbound movements (LOS E). Based on the delay reported in the analyses worksheets, the addition of festival traffic would increase the average delay for this movement by about 3.2 seconds per vehicle. The US 36/Apple Valley Road intersection operations would degrade somewhat, from a background LOS C to LOS D with the additional site generated traffic. The average delay per vehicle would increase by about 4.0 seconds.

Note that the proposed manual traffic control (using traffic control officers) at the site access could help mitigate potential delays for side-street movements at adjacent intersections. During the pedestrian phase, the manual traffic control would create gaps in the through-movements along US 36, which would provide increased opportunities to turn out of both Eagle Canyon Circle and Apple Valley Road.





V. SUMMARY AND CONCLUSIONS

Recently, Planet Bluegrass has acquired a nearby farm property, located along the southwest side of US 36 to the northwest of the existing event venue. Planned uses of the 26.2-acre site include 1,000 parking spaces and 400 campsites, to be used during major music festivals. The existing farm residence would be used for weddings and other smaller-scale events during non-festival times. For most of the year, however, the site would remain agricultural.

Currently, parking for festivals occurs remotely, at Bohn Park; the new site would replace this remote parking and shift the associated traffic to the new site. Analyses of vehicular volumes at the new site access indicate between 455 vehicles per hour (Thursday) and 185 vehicles per hour (Saturday). Pedestrian crossings of US 36 would range between 735 and 460 during peak times.

Operational analyses as documented in this report indicate that traffic operations in the vicinity of the site would remain at the existing LOS with the proposed shift in traffic. Some minor impacts to delay are projected for Eagle Canyon Circle and Apple Valley Road. Relative to this, the following is a summary of the findings of this analysis:

- Traffic control officers would be needed to maintain acceptable operational levels at the site access on US 36 during festivals.
- Vehicular movements at the site access would be at LOS C during both Thursday and Saturday peak hours. Pedestrian LOS would also be acceptable, at LOS B, crossing US 36.
- The use of traffic control officers could help to mitigate potential delays at both Eagle Canyon Circle and Apple Valley Road by creating gaps in through-traffic along US 36.

APPENDIX A. TRAFFIC COUNTS

Volume Data Dump Report: US 36 E/LYONS

Station ID : US 36 E/LYONS

Info Line 1 :

Info Line 2 :

GPS Lat/Lon :

DB File : US 36 ELYONS.DB

Last Connected Device Type : Apollo

Version Number : 1.63

Serial Number : 25507

Number of Lanes : 2

Posted Speed Limit : 0.0 mph

Lane Configuration

#	Dir. Information	Vehicle Sensors	Sensor Spacing	Loop Length	Volume Mode	Volume Sensors	Axle Class	Speed Class	Length Class	Gap Class	Hdway Class	Speedx Axle	Speedx Length	SnMis Store	Divide By 2
1.		0	0.0 ft	0.0 ft	Normal	Axle									Yes

Volume Data In Database From: 00:00 - 07/18/2017 To: 10:44 - 07/25/2017**Date Time Lane #1**

07/18/17	00:00	2
07/18/17	00:15	5
07/18/17	00:30	8
07/18/17	00:45	8
07/18/17	01:00	4
07/18/17	01:15	5
07/18/17	01:30	3
07/18/17	01:45	3
07/18/17	02:00	3
07/18/17	02:15	0
07/18/17	02:30	2
07/18/17	02:45	7
07/18/17	03:00	5
07/18/17	03:15	3
07/18/17	03:30	6
07/18/17	03:45	8
07/18/17	04:00	7
07/18/17	04:15	7
07/18/17	04:30	7
07/18/17	04:45	14
07/18/17	05:00	21
07/18/17	05:15	29
07/18/17	05:30	29
07/18/17	05:45	44
07/18/17	06:00	53
07/18/17	06:15	61
07/18/17	06:30	94
07/18/17	06:45	77
07/18/17	07:00	93
07/18/17	07:15	131
07/18/17	07:30	172
07/18/17	07:45	138
07/18/17	08:00	135
07/18/17	08:15	144
07/18/17	08:30	167
07/18/17	08:45	130
07/18/17	09:00	117
07/18/17	09:15	139
07/18/17	09:30	177
07/18/17	09:45	121
07/18/17	10:00	161
07/18/17	10:15	156

Date	Time	Lane #1
07/18/17	10:30	174
07/18/17	10:45	121
07/18/17	11:00	160
07/18/17	11:15	156
07/18/17	11:30	148
07/18/17	11:45	161
07/18/17	12:00	155
07/18/17	12:15	138
07/18/17	12:30	157
07/18/17	12:45	136
07/18/17	13:00	167
07/18/17	13:15	152
07/18/17	13:30	193
07/18/17	13:45	169
07/18/17	14:00	166
07/18/17	14:15	161
07/18/17	14:30	182
07/18/17	14:45	197
07/18/17	15:00	190
07/18/17	15:15	178
07/18/17	15:30	200
07/18/17	15:45	187
07/18/17	16:00	226
07/18/17	16:15	223
07/18/17	16:30	195
07/18/17	16:45	202
07/18/17	17:00	173
07/18/17	17:15	211
07/18/17	17:30	197
07/18/17	17:45	147
07/18/17	18:00	182
07/18/17	18:15	125
07/18/17	18:30	153
07/18/17	18:45	130
07/18/17	19:00	92
07/18/17	19:15	119
07/18/17	19:30	88
07/18/17	19:45	114
07/18/17	20:00	94
07/18/17	20:15	78
07/18/17	20:30	78
07/18/17	20:45	81
07/18/17	21:00	63
07/18/17	21:15	49
07/18/17	21:30	69
07/18/17	21:45	61
07/18/17	22:00	51
07/18/17	22:15	29
07/18/17	22:30	31
07/18/17	22:45	21
07/18/17	23:00	20
07/18/17	23:15	15
07/18/17	23:30	8
07/18/17	23:45	6
07/19/17	00:00	7
07/19/17	00:15	8
07/19/17	00:30	7
07/19/17	00:45	8
07/19/17	01:00	2
07/19/17	01:15	3
07/19/17	01:30	0
07/19/17	01:45	1
07/19/17	02:00	2

Date	Time	Lane #1
07/19/17	02:15	1
07/19/17	02:30	5
07/19/17	02:45	2
07/19/17	03:00	3
07/19/17	03:15	3
07/19/17	03:30	4
07/19/17	03:45	4
07/19/17	04:00	6
07/19/17	04:15	4
07/19/17	04:30	14
07/19/17	04:45	17
07/19/17	05:00	16
07/19/17	05:15	32
07/19/17	05:30	32
07/19/17	05:45	42
07/19/17	06:00	51
07/19/17	06:15	85
07/19/17	06:30	83
07/19/17	06:45	80
07/19/17	07:00	102
07/19/17	07:15	115
07/19/17	07:30	139
07/19/17	07:45	137
07/19/17	08:00	155
07/19/17	08:15	137
07/19/17	08:30	174
07/19/17	08:45	152
07/19/17	09:00	143
07/19/17	09:15	147
07/19/17	09:30	150
07/19/17	09:45	143
07/19/17	10:00	174
07/19/17	10:15	173
07/19/17	10:30	171
07/19/17	10:45	158
07/19/17	11:00	135
07/19/17	11:15	188
07/19/17	11:30	201
07/19/17	11:45	148
07/19/17	12:00	169
07/19/17	12:15	154
07/19/17	12:30	178
07/19/17	12:45	130
07/19/17	13:00	152
07/19/17	13:15	190
07/19/17	13:30	196
07/19/17	13:45	134
07/19/17	14:00	201
07/19/17	14:15	154
07/19/17	14:30	214
07/19/17	14:45	206
07/19/17	15:00	222
07/19/17	15:15	223
07/19/17	15:30	230
07/19/17	15:45	234
07/19/17	16:00	226
07/19/17	16:15	250
07/19/17	16:30	208
07/19/17	16:45	225
07/19/17	17:00	227
07/19/17	17:15	228
07/19/17	17:30	176
07/19/17	17:45	179

Date	Time	Lane #1
07/19/17	18:00	162
07/19/17	18:15	123
07/19/17	18:30	143
07/19/17	18:45	121
07/19/17	19:00	102
07/19/17	19:15	76
07/19/17	19:30	109
07/19/17	19:45	56
07/19/17	20:00	94
07/19/17	20:15	77
07/19/17	20:30	65
07/19/17	20:45	63
07/19/17	21:00	49
07/19/17	21:15	66
07/19/17	21:30	75
07/19/17	21:45	34
07/19/17	22:00	35
07/19/17	22:15	25
07/19/17	22:30	26
07/19/17	22:45	13
07/19/17	23:00	24
07/19/17	23:15	23
07/19/17	23:30	3
07/19/17	23:45	8
07/20/17	00:00	2
07/20/17	00:15	7
07/20/17	00:30	7
07/20/17	00:45	5
07/20/17	01:00	4
07/20/17	01:15	2
07/20/17	01:30	0
07/20/17	01:45	2
07/20/17	02:00	4
07/20/17	02:15	1
07/20/17	02:30	5
07/20/17	02:45	3
07/20/17	03:00	8
07/20/17	03:15	0
07/20/17	03:30	7
07/20/17	03:45	4
07/20/17	04:00	3
07/20/17	04:15	3
07/20/17	04:30	14
07/20/17	04:45	10
07/20/17	05:00	15
07/20/17	05:15	38
07/20/17	05:30	29
07/20/17	05:45	44
07/20/17	06:00	52
07/20/17	06:15	63
07/20/17	06:30	75
07/20/17	06:45	82
07/20/17	07:00	108
07/20/17	07:15	118
07/20/17	07:30	162
07/20/17	07:45	130
07/20/17	08:00	147
07/20/17	08:15	117
07/20/17	08:30	161
07/20/17	08:45	182
07/20/17	09:00	137
07/20/17	09:15	146
07/20/17	09:30	166

Date	Time	Lane #1
07/20/17	09:45	170
07/20/17	10:00	171
07/20/17	10:15	146
07/20/17	10:30	181
07/20/17	10:45	155
07/20/17	11:00	173
07/20/17	11:15	150
07/20/17	11:30	160
07/20/17	11:45	138
07/20/17	12:00	177
07/20/17	12:15	148
07/20/17	12:30	169
07/20/17	12:45	173
07/20/17	13:00	157
07/20/17	13:15	178
07/20/17	13:30	174
07/20/17	13:45	167
07/20/17	14:00	182
07/20/17	14:15	219
07/20/17	14:30	181
07/20/17	14:45	181
07/20/17	15:00	227
07/20/17	15:15	190
07/20/17	15:30	264
07/20/17	15:45	228
07/20/17	16:00	225
07/20/17	16:15	206
07/20/17	16:30	217
07/20/17	16:45	207
07/20/17	17:00	190
07/20/17	17:15	232
07/20/17	17:30	216
07/20/17	17:45	184
07/20/17	18:00	173
07/20/17	18:15	166
07/20/17	18:30	138
07/20/17	18:45	122
07/20/17	19:00	128
07/20/17	19:15	97
07/20/17	19:30	85
07/20/17	19:45	89
07/20/17	20:00	101
07/20/17	20:15	84
07/20/17	20:30	81
07/20/17	20:45	82
07/20/17	21:00	62
07/20/17	21:15	62
07/20/17	21:30	57
07/20/17	21:45	39
07/20/17	22:00	37
07/20/17	22:15	25
07/20/17	22:30	17
07/20/17	22:45	19
07/20/17	23:00	25
07/20/17	23:15	8
07/20/17	23:30	12
07/20/17	23:45	7
07/21/17	00:00	10
07/21/17	00:15	7
07/21/17	00:30	2
07/21/17	00:45	6
07/21/17	01:00	3
07/21/17	01:15	4

Date	Time	Lane #1
07/21/17	01:30	0
07/21/17	01:45	4
07/21/17	02:00	5
07/21/17	02:15	1
07/21/17	02:30	10
07/21/17	02:45	1
07/21/17	03:00	0
07/21/17	03:15	3
07/21/17	03:30	3
07/21/17	03:45	4
07/21/17	04:00	4
07/21/17	04:15	7
07/21/17	04:30	10
07/21/17	04:45	17
07/21/17	05:00	15
07/21/17	05:15	23
07/21/17	05:30	46
07/21/17	05:45	37
07/21/17	06:00	70
07/21/17	06:15	67
07/21/17	06:30	66
07/21/17	06:45	71
07/21/17	07:00	121
07/21/17	07:15	123
07/21/17	07:30	162
07/21/17	07:45	135
07/21/17	08:00	131
07/21/17	08:15	157
07/21/17	08:30	162
07/21/17	08:45	156
07/21/17	09:00	149
07/21/17	09:15	164
07/21/17	09:30	174
07/21/17	09:45	169
07/21/17	10:00	163
07/21/17	10:15	201
07/21/17	10:30	160
07/21/17	10:45	209
07/21/17	11:00	159
07/21/17	11:15	196
07/21/17	11:30	223
07/21/17	11:45	155
07/21/17	12:00	181
07/21/17	12:15	197
07/21/17	12:30	164
07/21/17	12:45	168
07/21/17	13:00	194
07/21/17	13:15	164
07/21/17	13:30	166
07/21/17	13:45	209
07/21/17	14:00	162
07/21/17	14:15	258
07/21/17	14:30	242
07/21/17	14:45	254
07/21/17	15:00	312
07/21/17	15:15	246
07/21/17	15:30	281
07/21/17	15:45	253
07/21/17	16:00	195
07/21/17	16:15	201
07/21/17	16:30	199
07/21/17	16:45	229
07/21/17	17:00	173

Date	Time	Lane #1
07/21/17	17:15	202
07/21/17	17:30	192
07/21/17	17:45	194
07/21/17	18:00	134
07/21/17	18:15	155
07/21/17	18:30	171
07/21/17	18:45	127
07/21/17	19:00	129
07/21/17	19:15	127
07/21/17	19:30	112
07/21/17	19:45	100
07/21/17	20:00	85
07/21/17	20:15	80
07/21/17	20:30	69
07/21/17	20:45	50
07/21/17	21:00	57
07/21/17	21:15	64
07/21/17	21:30	57
07/21/17	21:45	52
07/21/17	22:00	41
07/21/17	22:15	24
07/21/17	22:30	26
07/21/17	22:45	16
07/21/17	23:00	15
07/21/17	23:15	9
07/21/17	23:30	21
07/21/17	23:45	6
07/22/17	00:00	9
07/22/17	00:15	10
07/22/17	00:30	7
07/22/17	00:45	7
07/22/17	01:00	6
07/22/17	01:15	3
07/22/17	01:30	8
07/22/17	01:45	0
07/22/17	02:00	5
07/22/17	02:15	2
07/22/17	02:30	3
07/22/17	02:45	4
07/22/17	03:00	2
07/22/17	03:15	1
07/22/17	03:30	8
07/22/17	03:45	5
07/22/17	04:00	2
07/22/17	04:15	7
07/22/17	04:30	13
07/22/17	04:45	11
07/22/17	05:00	9
07/22/17	05:15	18
07/22/17	05:30	22
07/22/17	05:45	31
07/22/17	06:00	22
07/22/17	06:15	34
07/22/17	06:30	43
07/22/17	06:45	49
07/22/17	07:00	62
07/22/17	07:15	80
07/22/17	07:30	99
07/22/17	07:45	106
07/22/17	08:00	94
07/22/17	08:15	111
07/22/17	08:30	120
07/22/17	08:45	118

Date	Time	Lane #1
07/22/17	09:00	163
07/22/17	09:15	173
07/22/17	09:30	144
07/22/17	09:45	173
07/22/17	10:00	198
07/22/17	10:15	171
07/22/17	10:30	202
07/22/17	10:45	203
07/22/17	11:00	212
07/22/17	11:15	191
07/22/17	11:30	233
07/22/17	11:45	215
07/22/17	12:00	222
07/22/17	12:15	220
07/22/17	12:30	232
07/22/17	12:45	210
07/22/17	13:00	215
07/22/17	13:15	243
07/22/17	13:30	268
07/22/17	13:45	277
07/22/17	14:00	282
07/22/17	14:15	266
07/22/17	14:30	266
07/22/17	14:45	242
07/22/17	15:00	265
07/22/17	15:15	280
07/22/17	15:30	265
07/22/17	15:45	318
07/22/17	16:00	275
07/22/17	16:15	316
07/22/17	16:30	266
07/22/17	16:45	262
07/22/17	17:00	284
07/22/17	17:15	238
07/22/17	17:30	239
07/22/17	17:45	233
07/22/17	18:00	265
07/22/17	18:15	249
07/22/17	18:30	231
07/22/17	18:45	210
07/22/17	19:00	234
07/22/17	19:15	231
07/22/17	19:30	218
07/22/17	19:45	202
07/22/17	20:00	166
07/22/17	20:15	163
07/22/17	20:30	160
07/22/17	20:45	166
07/22/17	21:00	167
07/22/17	21:15	147
07/22/17	21:30	123
07/22/17	21:45	120
07/22/17	22:00	96
07/22/17	22:15	103
07/22/17	22:30	95
07/22/17	22:45	69
07/22/17	23:00	44
07/22/17	23:15	25
07/22/17	23:30	30
07/22/17	23:45	28
07/23/17	00:00	19
07/23/17	00:15	22
07/23/17	00:30	9

Date	Time	Lane #1
07/23/17	00:45	11
07/23/17	01:00	12
07/23/17	01:15	7
07/23/17	01:30	5
07/23/17	01:45	6
07/23/17	02:00	3
07/23/17	02:15	3
07/23/17	02:30	1
07/23/17	02:45	2
07/23/17	03:00	2
07/23/17	03:15	4
07/23/17	03:30	4
07/23/17	03:45	3
07/23/17	04:00	3
07/23/17	04:15	7
07/23/17	04:30	7
07/23/17	04:45	9
07/23/17	05:00	12
07/23/17	05:15	13
07/23/17	05:30	22
07/23/17	05:45	17
07/23/17	06:00	13
07/23/17	06:15	29
07/23/17	06:30	41
07/23/17	06:45	36
07/23/17	07:00	46
07/23/17	07:15	48
07/23/17	07:30	82
07/23/17	07:45	76
07/23/17	08:00	91
07/23/17	08:15	110
07/23/17	08:30	130
07/23/17	08:45	133
07/23/17	09:00	138
07/23/17	09:15	159
07/23/17	09:30	172
07/23/17	09:45	180
07/23/17	10:00	212
07/23/17	10:15	227
07/23/17	10:30	234
07/23/17	10:45	223
07/23/17	11:00	272
07/23/17	11:15	302
07/23/17	11:30	305
07/23/17	11:45	314
07/23/17	12:00	276
07/23/17	12:15	268
07/23/17	12:30	284
07/23/17	12:45	252
07/23/17	13:00	296
07/23/17	13:15	255
07/23/17	13:30	311
07/23/17	13:45	304
07/23/17	14:00	256
07/23/17	14:15	326
07/23/17	14:30	317
07/23/17	14:45	306
07/23/17	15:00	369
07/23/17	15:15	362
07/23/17	15:30	337
07/23/17	15:45	300
07/23/17	16:00	368
07/23/17	16:15	349

Date	Time	Lane #1
07/23/17	16:30	359
07/23/17	16:45	264
07/23/17	17:00	344
07/23/17	17:15	305
07/23/17	17:30	292
07/23/17	17:45	318
07/23/17	18:00	290
07/23/17	18:15	257
07/23/17	18:30	228
07/23/17	18:45	228
07/23/17	19:00	244
07/23/17	19:15	214
07/23/17	19:30	175
07/23/17	19:45	168
07/23/17	20:00	173
07/23/17	20:15	169
07/23/17	20:30	125
07/23/17	20:45	126
07/23/17	21:00	151
07/23/17	21:15	118
07/23/17	21:30	101
07/23/17	21:45	88
07/23/17	22:00	82
07/23/17	22:15	42
07/23/17	22:30	39
07/23/17	22:45	29
07/23/17	23:00	26
07/23/17	23:15	22
07/23/17	23:30	20
07/23/17	23:45	10
07/24/17	00:00	11
07/24/17	00:15	7
07/24/17	00:30	12
07/24/17	00:45	7
07/24/17	01:00	5
07/24/17	01:15	6
07/24/17	01:30	1
07/24/17	01:45	2
07/24/17	02:00	1
07/24/17	02:15	1
07/24/17	02:30	2
07/24/17	02:45	1
07/24/17	03:00	3
07/24/17	03:15	6
07/24/17	03:30	6
07/24/17	03:45	6
07/24/17	04:00	10
07/24/17	04:15	3
07/24/17	04:30	12
07/24/17	04:45	16
07/24/17	05:00	18
07/24/17	05:15	33
07/24/17	05:30	39
07/24/17	05:45	52
07/24/17	06:00	56
07/24/17	06:15	63
07/24/17	06:30	86
07/24/17	06:45	72
07/24/17	07:00	97
07/24/17	07:15	152
07/24/17	07:30	160
07/24/17	07:45	129
07/24/17	08:00	130

Date	Time	Lane #1
07/24/17	08:15	155
07/24/17	08:30	140
07/24/17	08:45	164
07/24/17	09:00	174
07/24/17	09:15	147
07/24/17	09:30	153
07/24/17	09:45	171
07/24/17	10:00	152
07/24/17	10:15	156
07/24/17	10:30	156
07/24/17	10:45	158
07/24/17	11:00	141
07/24/17	11:15	175
07/24/17	11:30	160
07/24/17	11:45	163
07/24/17	12:00	187
07/24/17	12:15	156
07/24/17	12:30	186
07/24/17	12:45	165
07/24/17	13:00	171
07/24/17	13:15	176
07/24/17	13:30	162
07/24/17	13:45	173
07/24/17	14:00	173
07/24/17	14:15	213
07/24/17	14:30	225
07/24/17	14:45	214
07/24/17	15:00	240
07/24/17	15:15	226
07/24/17	15:30	191
07/24/17	15:45	238
07/24/17	16:00	227
07/24/17	16:15	210
07/24/17	16:30	175
07/24/17	16:45	240
07/24/17	17:00	231
07/24/17	17:15	212
07/24/17	17:30	202
07/24/17	17:45	184
07/24/17	18:00	183
07/24/17	18:15	137
07/24/17	18:30	153
07/24/17	18:45	116
07/24/17	19:00	113
07/24/17	19:15	132
07/24/17	19:30	100
07/24/17	19:45	123
07/24/17	20:00	87
07/24/17	20:15	109
07/24/17	20:30	88
07/24/17	20:45	89
07/24/17	21:00	61
07/24/17	21:15	70
07/24/17	21:30	80
07/24/17	21:45	53
07/24/17	22:00	31
07/24/17	22:15	33
07/24/17	22:30	19
07/24/17	22:45	13
07/24/17	23:00	14
07/24/17	23:15	11
07/24/17	23:30	10
07/24/17	23:45	11

Date	Time	Lane #1
07/25/17	00:00	10
07/25/17	00:15	6
07/25/17	00:30	9
07/25/17	00:45	3
07/25/17	01:00	1
07/25/17	01:15	4
07/25/17	01:30	1
07/25/17	01:45	3
07/25/17	02:00	7
07/25/17	02:15	2
07/25/17	02:30	6
07/25/17	02:45	2
07/25/17	03:00	2
07/25/17	03:15	5
07/25/17	03:30	4
07/25/17	03:45	3
07/25/17	04:00	7
07/25/17	04:15	3
07/25/17	04:30	10
07/25/17	04:45	16
07/25/17	05:00	22
07/25/17	05:15	32
07/25/17	05:30	36
07/25/17	05:45	41
07/25/17	06:00	54
07/25/17	06:15	78
07/25/17	06:30	56
07/25/17	06:45	88
07/25/17	07:00	107
07/25/17	07:15	125
07/25/17	07:30	160
07/25/17	07:45	121
07/25/17	08:00	143
07/25/17	08:15	121
07/25/17	08:30	149
07/25/17	08:45	112
07/25/17	09:00	122
07/25/17	09:15	118
07/25/17	09:30	101
07/25/17	09:45	87
07/25/17	10:00	62
07/25/17	10:15	37
07/25/17	10:30	72

Volume Data Dump Report: US 36 E/LYONS

Station ID : US 36 E/LYONS

Info Line 1 :

Info Line 2 :

GPS Lat/Lon :

DB File : US 36 ELYONS.DB

Last Connected Device Type : Apollo

Version Number : 1.63

Serial Number : 25507

Number of Lanes : 2

Posted Speed Limit : 0.0 mph

Lane Configuration

#	Dir. Information	Vehicle Sensors	Sensor Spacing	Loop Length	Volume Mode	Volume Sensors	Axle Class	Speed Class	Length Class	Gap Class	Hdway Class	Speedx Axle	Speedx Length	SnMis Store	Divide By 2
2.		0	0.0 ft	0.0 ft	Normal	Axle									Yes

Volume Data In Database From: 00:00 - 07/18/2017 To: 10:44 - 07/25/2017

Date	Time	#2
07/18/17	00:00	6
07/18/17	00:15	10
07/18/17	00:30	9
07/18/17	00:45	4
07/18/17	01:00	2
07/18/17	01:15	6
07/18/17	01:30	4
07/18/17	01:45	6
07/18/17	02:00	3
07/18/17	02:15	4
07/18/17	02:30	4
07/18/17	02:45	3
07/18/17	03:00	5
07/18/17	03:15	4
07/18/17	03:30	2
07/18/17	03:45	4
07/18/17	04:00	3
07/18/17	04:15	5
07/18/17	04:30	3
07/18/17	04:45	3
07/18/17	05:00	3
07/18/17	05:15	14
07/18/17	05:30	41
07/18/17	05:45	33
07/18/17	06:00	48
07/18/17	06:15	78
07/18/17	06:30	81
07/18/17	06:45	77
07/18/17	07:00	77
07/18/17	07:15	90
07/18/17	07:30	123
07/18/17	07:45	126
07/18/17	08:00	127
07/18/17	08:15	129
07/18/17	08:30	120
07/18/17	08:45	131
07/18/17	09:00	142
07/18/17	09:15	167
07/18/17	09:30	170
07/18/17	09:45	174
07/18/17	10:00	189
07/18/17	10:15	186

Date	Time	#2
07/18/17	10:30	220
07/18/17	10:45	218
07/18/17	11:00	202
07/18/17	11:15	195
07/18/17	11:30	170
07/18/17	11:45	190
07/18/17	12:00	165
07/18/17	12:15	156
07/18/17	12:30	154
07/18/17	12:45	201
07/18/17	13:00	173
07/18/17	13:15	159
07/18/17	13:30	142
07/18/17	13:45	148
07/18/17	14:00	141
07/18/17	14:15	136
07/18/17	14:30	173
07/18/17	14:45	138
07/18/17	15:00	146
07/18/17	15:15	147
07/18/17	15:30	139
07/18/17	15:45	164
07/18/17	16:00	145
07/18/17	16:15	145
07/18/17	16:30	155
07/18/17	16:45	153
07/18/17	17:00	157
07/18/17	17:15	164
07/18/17	17:30	183
07/18/17	17:45	166
07/18/17	18:00	134
07/18/17	18:15	137
07/18/17	18:30	138
07/18/17	18:45	138
07/18/17	19:00	112
07/18/17	19:15	76
07/18/17	19:30	81
07/18/17	19:45	74
07/18/17	20:00	66
07/18/17	20:15	61
07/18/17	20:30	68
07/18/17	20:45	69
07/18/17	21:00	69
07/18/17	21:15	60
07/18/17	21:30	61
07/18/17	21:45	44
07/18/17	22:00	34
07/18/17	22:15	57
07/18/17	22:30	28
07/18/17	22:45	28
07/18/17	23:00	26
07/18/17	23:15	24
07/18/17	23:30	20
07/18/17	23:45	15
07/19/17	00:00	9
07/19/17	00:15	13
07/19/17	00:30	7
07/19/17	00:45	9
07/19/17	01:00	2
07/19/17	01:15	7
07/19/17	01:30	8
07/19/17	01:45	3
07/19/17	02:00	7

Date	Time	#2
07/19/17	02:15	4
07/19/17	02:30	2
07/19/17	02:45	5
07/19/17	03:00	5
07/19/17	03:15	4
07/19/17	03:30	2
07/19/17	03:45	11
07/19/17	04:00	4
07/19/17	04:15	3
07/19/17	04:30	4
07/19/17	04:45	7
07/19/17	05:00	9
07/19/17	05:15	13
07/19/17	05:30	26
07/19/17	05:45	32
07/19/17	06:00	62
07/19/17	06:15	69
07/19/17	06:30	70
07/19/17	06:45	84
07/19/17	07:00	86
07/19/17	07:15	99
07/19/17	07:30	89
07/19/17	07:45	124
07/19/17	08:00	143
07/19/17	08:15	137
07/19/17	08:30	138
07/19/17	08:45	160
07/19/17	09:00	140
07/19/17	09:15	148
07/19/17	09:30	188
07/19/17	09:45	185
07/19/17	10:00	203
07/19/17	10:15	229
07/19/17	10:30	214
07/19/17	10:45	225
07/19/17	11:00	225
07/19/17	11:15	211
07/19/17	11:30	196
07/19/17	11:45	192
07/19/17	12:00	152
07/19/17	12:15	189
07/19/17	12:30	173
07/19/17	12:45	179
07/19/17	13:00	167
07/19/17	13:15	171
07/19/17	13:30	167
07/19/17	13:45	152
07/19/17	14:00	168
07/19/17	14:15	150
07/19/17	14:30	151
07/19/17	14:45	160
07/19/17	15:00	173
07/19/17	15:15	166
07/19/17	15:30	169
07/19/17	15:45	148
07/19/17	16:00	151
07/19/17	16:15	161
07/19/17	16:30	190
07/19/17	16:45	175
07/19/17	17:00	151
07/19/17	17:15	177
07/19/17	17:30	169
07/19/17	17:45	171

Date	Time	#2
07/19/17	18:00	135
07/19/17	18:15	142
07/19/17	18:30	132
07/19/17	18:45	109
07/19/17	19:00	109
07/19/17	19:15	89
07/19/17	19:30	101
07/19/17	19:45	67
07/19/17	20:00	85
07/19/17	20:15	84
07/19/17	20:30	53
07/19/17	20:45	59
07/19/17	21:00	53
07/19/17	21:15	64
07/19/17	21:30	63
07/19/17	21:45	30
07/19/17	22:00	43
07/19/17	22:15	38
07/19/17	22:30	29
07/19/17	22:45	35
07/19/17	23:00	19
07/19/17	23:15	19
07/19/17	23:30	16
07/19/17	23:45	16
07/20/17	00:00	11
07/20/17	00:15	16
07/20/17	00:30	16
07/20/17	00:45	10
07/20/17	01:00	4
07/20/17	01:15	5
07/20/17	01:30	6
07/20/17	01:45	4
07/20/17	02:00	10
07/20/17	02:15	6
07/20/17	02:30	1
07/20/17	02:45	4
07/20/17	03:00	4
07/20/17	03:15	4
07/20/17	03:30	2
07/20/17	03:45	3
07/20/17	04:00	1
07/20/17	04:15	9
07/20/17	04:30	6
07/20/17	04:45	5
07/20/17	05:00	13
07/20/17	05:15	19
07/20/17	05:30	17
07/20/17	05:45	45
07/20/17	06:00	42
07/20/17	06:15	66
07/20/17	06:30	82
07/20/17	06:45	93
07/20/17	07:00	77
07/20/17	07:15	101
07/20/17	07:30	98
07/20/17	07:45	123
07/20/17	08:00	146
07/20/17	08:15	125
07/20/17	08:30	166
07/20/17	08:45	130
07/20/17	09:00	143
07/20/17	09:15	159
07/20/17	09:30	147

Date	Time	#2
07/20/17	09:45	184
07/20/17	10:00	175
07/20/17	10:15	225
07/20/17	10:30	186
07/20/17	10:45	196
07/20/17	11:00	173
07/20/17	11:15	201
07/20/17	11:30	194
07/20/17	11:45	177
07/20/17	12:00	165
07/20/17	12:15	166
07/20/17	12:30	175
07/20/17	12:45	153
07/20/17	13:00	186
07/20/17	13:15	149
07/20/17	13:30	155
07/20/17	13:45	140
07/20/17	14:00	194
07/20/17	14:15	183
07/20/17	14:30	160
07/20/17	14:45	160
07/20/17	15:00	150
07/20/17	15:15	156
07/20/17	15:30	173
07/20/17	15:45	138
07/20/17	16:00	148
07/20/17	16:15	130
07/20/17	16:30	164
07/20/17	16:45	151
07/20/17	17:00	163
07/20/17	17:15	123
07/20/17	17:30	169
07/20/17	17:45	147
07/20/17	18:00	123
07/20/17	18:15	121
07/20/17	18:30	124
07/20/17	18:45	96
07/20/17	19:00	92
07/20/17	19:15	88
07/20/17	19:30	74
07/20/17	19:45	93
07/20/17	20:00	84
07/20/17	20:15	59
07/20/17	20:30	48
07/20/17	20:45	51
07/20/17	21:00	58
07/20/17	21:15	60
07/20/17	21:30	43
07/20/17	21:45	42
07/20/17	22:00	40
07/20/17	22:15	36
07/20/17	22:30	30
07/20/17	22:45	18
07/20/17	23:00	14
07/20/17	23:15	15
07/20/17	23:30	19
07/20/17	23:45	16
07/21/17	00:00	9
07/21/17	00:15	17
07/21/17	00:30	6
07/21/17	00:45	3
07/21/17	01:00	3
07/21/17	01:15	5

Date	Time	#2
07/21/17	01:30	2
07/21/17	01:45	6
07/21/17	02:00	3
07/21/17	02:15	4
07/21/17	02:30	4
07/21/17	02:45	2
07/21/17	03:00	2
07/21/17	03:15	3
07/21/17	03:30	4
07/21/17	03:45	3
07/21/17	04:00	4
07/21/17	04:15	1
07/21/17	04:30	6
07/21/17	04:45	4
07/21/17	05:00	7
07/21/17	05:15	11
07/21/17	05:30	22
07/21/17	05:45	25
07/21/17	06:00	35
07/21/17	06:15	49
07/21/17	06:30	62
07/21/17	06:45	63
07/21/17	07:00	65
07/21/17	07:15	69
07/21/17	07:30	68
07/21/17	07:45	82
07/21/17	08:00	78
07/21/17	08:15	89
07/21/17	08:30	81
07/21/17	08:45	101
07/21/17	09:00	108
07/21/17	09:15	78
07/21/17	09:30	93
07/21/17	09:45	100
07/21/17	10:00	95
07/21/17	10:15	65
07/21/17	10:30	45
07/21/17	10:45	83
07/21/17	11:00	59
07/21/17	11:15	73
07/21/17	11:30	89
07/21/17	11:45	52
07/21/17	12:00	66
07/21/17	12:15	71
07/21/17	12:30	57
07/21/17	12:45	62
07/21/17	13:00	55
07/21/17	13:15	62
07/21/17	13:30	62
07/21/17	13:45	68
07/21/17	14:00	45
07/21/17	14:15	58
07/21/17	14:30	49
07/21/17	14:45	49
07/21/17	15:00	46
07/21/17	15:15	96
07/21/17	15:30	67
07/21/17	15:45	91
07/21/17	16:00	104
07/21/17	16:15	77
07/21/17	16:30	42
07/21/17	16:45	44
07/21/17	17:00	41

Date	Time	#2
07/21/17	17:15	52
07/21/17	17:30	49
07/21/17	17:45	53
07/21/17	18:00	44
07/21/17	18:15	40
07/21/17	18:30	57
07/21/17	18:45	37
07/21/17	19:00	30
07/21/17	19:15	34
07/21/17	19:30	27
07/21/17	19:45	25
07/21/17	20:00	22
07/21/17	20:15	22
07/21/17	20:30	15
07/21/17	20:45	15
07/21/17	21:00	7
07/21/17	21:15	9
07/21/17	21:30	8
07/21/17	21:45	3
07/21/17	22:00	8
07/21/17	22:15	3
07/21/17	22:30	4
07/21/17	22:45	6
07/21/17	23:00	4
07/21/17	23:15	3
07/21/17	23:30	5
07/21/17	23:45	3
07/22/17	00:00	3
07/22/17	00:15	2
07/22/17	00:30	0
07/22/17	00:45	3
07/22/17	01:00	2
07/22/17	01:15	2
07/22/17	01:30	0
07/22/17	01:45	1
07/22/17	02:00	3
07/22/17	02:15	0
07/22/17	02:30	1
07/22/17	02:45	3
07/22/17	03:00	4
07/22/17	03:15	1
07/22/17	03:30	1
07/22/17	03:45	1
07/22/17	04:00	1
07/22/17	04:15	1
07/22/17	04:30	3
07/22/17	04:45	4
07/22/17	05:00	5
07/22/17	05:15	8
07/22/17	05:30	12
07/22/17	05:45	7
07/22/17	06:00	15
07/22/17	06:15	15
07/22/17	06:30	16
07/22/17	06:45	24
07/22/17	07:00	24
07/22/17	07:15	32
07/22/17	07:30	36
07/22/17	07:45	44
07/22/17	08:00	37
07/22/17	08:15	44
07/22/17	08:30	47
07/22/17	08:45	52

Date	Time	#2
07/22/17	09:00	60
07/22/17	09:15	96
07/22/17	09:30	63
07/22/17	09:45	87
07/22/17	10:00	79
07/22/17	10:15	84
07/22/17	10:30	85
07/22/17	10:45	75
07/22/17	11:00	66
07/22/17	11:15	40
07/22/17	11:30	56
07/22/17	11:45	36
07/22/17	12:00	0
07/22/17	12:15	9
07/22/17	12:30	25
07/22/17	12:45	25
07/22/17	13:00	17
07/22/17	13:15	16
07/22/17	13:30	10
07/22/17	13:45	12
07/22/17	14:00	10
07/22/17	14:15	19
07/22/17	14:30	20
07/22/17	14:45	16
07/22/17	15:00	5
07/22/17	15:15	3
07/22/17	15:30	2
07/22/17	15:45	1
07/22/17	16:00	2
07/22/17	16:15	1
07/22/17	16:30	0
07/22/17	16:45	0
07/22/17	17:00	0
07/22/17	17:15	0
07/22/17	17:30	1
07/22/17	17:45	0
07/22/17	18:00	0
07/22/17	18:15	0
07/22/17	18:30	0
07/22/17	18:45	2
07/22/17	19:00	0
07/22/17	19:15	0
07/22/17	19:30	0
07/22/17	19:45	0
07/22/17	20:00	0
07/22/17	20:15	0
07/22/17	20:30	0
07/22/17	20:45	0
07/22/17	21:00	1
07/22/17	21:15	0
07/22/17	21:30	0
07/22/17	21:45	0
07/22/17	22:00	0
07/22/17	22:15	0
07/22/17	22:30	0
07/22/17	22:45	0
07/22/17	23:00	0
07/22/17	23:15	0
07/22/17	23:30	0
07/22/17	23:45	0
07/23/17	00:00	0
07/23/17	00:15	0
07/23/17	00:30	0

Date	Time	#2
07/23/17	00:45	0
07/23/17	01:00	0
07/23/17	01:15	0
07/23/17	01:30	0
07/23/17	01:45	0
07/23/17	02:00	0
07/23/17	02:15	0
07/23/17	02:30	0
07/23/17	02:45	0
07/23/17	03:00	0
07/23/17	03:15	0
07/23/17	03:30	0
07/23/17	03:45	0
07/23/17	04:00	0
07/23/17	04:15	0
07/23/17	04:30	0
07/23/17	04:45	0
07/23/17	05:00	0
07/23/17	05:15	0
07/23/17	05:30	0
07/23/17	05:45	1
07/23/17	06:00	0
07/23/17	06:15	0
07/23/17	06:30	0
07/23/17	06:45	0
07/23/17	07:00	0
07/23/17	07:15	0
07/23/17	07:30	0
07/23/17	07:45	1
07/23/17	08:00	0
07/23/17	08:15	0
07/23/17	08:30	1
07/23/17	08:45	0
07/23/17	09:00	0
07/23/17	09:15	0
07/23/17	09:30	0
07/23/17	09:45	0
07/23/17	10:00	0
07/23/17	10:15	0
07/23/17	10:30	0
07/23/17	10:45	0
07/23/17	11:00	0
07/23/17	11:15	0
07/23/17	11:30	0
07/23/17	11:45	1
07/23/17	12:00	0
07/23/17	12:15	0
07/23/17	12:30	0
07/23/17	12:45	0
07/23/17	13:00	0
07/23/17	13:15	0
07/23/17	13:30	1
07/23/17	13:45	0
07/23/17	14:00	0
07/23/17	14:15	0
07/23/17	14:30	0
07/23/17	14:45	0
07/23/17	15:00	0
07/23/17	15:15	0
07/23/17	15:30	0
07/23/17	15:45	0
07/23/17	16:00	0
07/23/17	16:15	0

Date	Time	#2
07/23/17	16:30	0
07/23/17	16:45	0
07/23/17	17:00	0
07/23/17	17:15	0
07/23/17	17:30	0
07/23/17	17:45	0
07/23/17	18:00	0
07/23/17	18:15	0
07/23/17	18:30	0
07/23/17	18:45	0
07/23/17	19:00	0
07/23/17	19:15	0
07/23/17	19:30	0
07/23/17	19:45	0
07/23/17	20:00	0
07/23/17	20:15	1
07/23/17	20:30	0
07/23/17	20:45	0
07/23/17	21:00	0
07/23/17	21:15	0
07/23/17	21:30	0
07/23/17	21:45	0
07/23/17	22:00	0
07/23/17	22:15	0
07/23/17	22:30	0
07/23/17	22:45	0
07/23/17	23:00	0
07/23/17	23:15	0
07/23/17	23:30	0
07/23/17	23:45	0
07/24/17	00:00	0
07/24/17	00:15	0
07/24/17	00:30	0
07/24/17	00:45	0
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07/24/17	01:15	0
07/24/17	01:30	0
07/24/17	01:45	0
07/24/17	02:00	0
07/24/17	02:15	0
07/24/17	02:30	0
07/24/17	02:45	0
07/24/17	03:00	0
07/24/17	03:15	0
07/24/17	03:30	0
07/24/17	03:45	0
07/24/17	04:00	0
07/24/17	04:15	0
07/24/17	04:30	0
07/24/17	04:45	0
07/24/17	05:00	0
07/24/17	05:15	0
07/24/17	05:30	0
07/24/17	05:45	0
07/24/17	06:00	3
07/24/17	06:15	6
07/24/17	06:30	4
07/24/17	06:45	5
07/24/17	07:00	3
07/24/17	07:15	10
07/24/17	07:30	17
07/24/17	07:45	13
07/24/17	08:00	6

Date	Time	#2
07/24/17	08:15	14
07/24/17	08:30	18
07/24/17	08:45	14
07/24/17	09:00	21
07/24/17	09:15	12
07/24/17	09:30	24
07/24/17	09:45	26
07/24/17	10:00	25
07/24/17	10:15	27
07/24/17	10:30	23
07/24/17	10:45	28
07/24/17	11:00	29
07/24/17	11:15	27
07/24/17	11:30	14
07/24/17	11:45	21
07/24/17	12:00	21
07/24/17	12:15	21
07/24/17	12:30	19
07/24/17	12:45	19
07/24/17	13:00	21
07/24/17	13:15	27
07/24/17	13:30	15
07/24/17	13:45	16
07/24/17	14:00	9
07/24/17	14:15	7
07/24/17	14:30	5
07/24/17	14:45	8
07/24/17	15:00	14
07/24/17	15:15	17
07/24/17	15:30	12
07/24/17	15:45	16
07/24/17	16:00	13
07/24/17	16:15	17
07/24/17	16:30	12
07/24/17	16:45	12
07/24/17	17:00	15
07/24/17	17:15	13
07/24/17	17:30	14
07/24/17	17:45	10
07/24/17	18:00	7
07/24/17	18:15	6
07/24/17	18:30	10
07/24/17	18:45	12
07/24/17	19:00	4
07/24/17	19:15	3
07/24/17	19:30	3
07/24/17	19:45	3
07/24/17	20:00	1
07/24/17	20:15	1
07/24/17	20:30	1
07/24/17	20:45	1
07/24/17	21:00	2
07/24/17	21:15	1
07/24/17	21:30	1
07/24/17	21:45	3
07/24/17	22:00	0
07/24/17	22:15	0
07/24/17	22:30	0
07/24/17	22:45	0
07/24/17	23:00	0
07/24/17	23:15	0
07/24/17	23:30	0
07/24/17	23:45	0

Date	Time	#2
07/25/17	00:00	0
07/25/17	00:15	0
07/25/17	00:30	0
07/25/17	00:45	0
07/25/17	01:00	0
07/25/17	01:15	0
07/25/17	01:30	0
07/25/17	01:45	0
07/25/17	02:00	0
07/25/17	02:15	0
07/25/17	02:30	0
07/25/17	02:45	0
07/25/17	03:00	0
07/25/17	03:15	0
07/25/17	03:30	0
07/25/17	03:45	0
07/25/17	04:00	0
07/25/17	04:15	0
07/25/17	04:30	0
07/25/17	04:45	0
07/25/17	05:00	0
07/25/17	05:15	0
07/25/17	05:30	1
07/25/17	05:45	1
07/25/17	06:00	1
07/25/17	06:15	2
07/25/17	06:30	2
07/25/17	06:45	3
07/25/17	07:00	3
07/25/17	07:15	8
07/25/17	07:30	7
07/25/17	07:45	5
07/25/17	08:00	1
07/25/17	08:15	3
07/25/17	08:30	12
07/25/17	08:45	2
07/25/17	09:00	5
07/25/17	09:15	3
07/25/17	09:30	2
07/25/17	09:45	5
07/25/17	10:00	1
07/25/17	10:15	7
07/25/17	10:30	4

APPENDIX B. BACKGROUND TRAFFIC LOS

HCM 6th TWSC
1: US 36 & Eagle Canyon Cir

Thursday Background Conditions

03/22/2018

Intersection

Int Delay, s/veh 0.5

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↑	↑	↑	↑	↑	↑
Traffic Vol, veh/h	5	340	445	5	20	5
Future Vol, veh/h	5	340	445	5	20	5
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	100	-	-	100	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	6	378	494	6	22	6

Major/Minor	Major1	Major2	Minor2			
Conflicting Flow All	500	0	-	0	884	494
Stage 1	-	-	-	-	494	-
Stage 2	-	-	-	-	390	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1064	-	-	-	316	575
Stage 1	-	-	-	-	613	-
Stage 2	-	-	-	-	684	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	1064	-	-	-	314	575
Mov Cap-2 Maneuver	-	-	-	-	314	-
Stage 1	-	-	-	-	609	-
Stage 2	-	-	-	-	684	-

Approach EB WB SB

HCM Control Delay, s 0.1 0 16.3

HCM LOS C

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1064	-	-	-	345
HCM Lane V/C Ratio	0.005	-	-	-	0.081
HCM Control Delay (s)	8.4	-	-	-	16.3
HCM Lane LOS	A	-	-	-	C
HCM 95th %tile Q(veh)	0	-	-	-	0.3

HCM 6th TWSC
4: Apple Valley Rd & US 36

Thursday Background Conditions

03/22/2018

Intersection

Int Delay, s/veh 0.6

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑		↔	↔		
Traffic Vol, veh/h	355	5	5	440	10	25
Future Vol, veh/h	355	5	5	440	10	25
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	394	6	6	489	11	28

Major/Minor	Major1	Major2	Minor1		
Conflicting Flow All	0	0	400	0	898 397
Stage 1	-	-	-	-	397 -
Stage 2	-	-	-	-	501 -
Critical Hdwy	-	-	4.12	-	6.42 6.22
Critical Hdwy Stg 1	-	-	-	-	5.42 -
Critical Hdwy Stg 2	-	-	-	-	5.42 -
Follow-up Hdwy	-	-	2.218	-	3.518 3.318
Pot Cap-1 Maneuver	-	-	1159	-	310 652
Stage 1	-	-	-	-	679 -
Stage 2	-	-	-	-	609 -
Platoon blocked, %	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	1159	-	308 652
Mov Cap-2 Maneuver	-	-	-	-	308 -
Stage 1	-	-	-	-	674 -
Stage 2	-	-	-	-	609 -

Approach	EB	WB	NB
HCM Control Delay, s	0	0.1	12.9
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	494	-	-	1159	-
HCM Lane V/C Ratio	0.079	-	-	0.005	-
HCM Control Delay (s)	12.9	-	-	8.1	0
HCM Lane LOS	B	-	-	A	A
HCM 95th %tile Q(veh)	0.3	-	-	0	-

HCM 6th TWSC
1: US 36 & Eagle Canyon Cir

Saturday Background Conditions

03/22/2018

Intersection

Int Delay, s/veh 0.5

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↑	↑	↑	↑	↑	↑
Traffic Vol, veh/h	5	740	705	15	15	5
Future Vol, veh/h	5	740	705	15	15	5
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	100	-	-	100	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	6	822	783	17	17	6

Major/Minor	Major1	Major2	Minor2			
Conflicting Flow All	800	0	-	0	1617	783
Stage 1	-	-	-	-	783	-
Stage 2	-	-	-	-	834	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	823	-	-	-	114	394
Stage 1	-	-	-	-	450	-
Stage 2	-	-	-	-	426	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	823	-	-	-	113	394
Mov Cap-2 Maneuver	-	-	-	-	113	-
Stage 1	-	-	-	-	447	-
Stage 2	-	-	-	-	426	-

Approach	EB	WB	SB
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HCM Control Delay, s 0.1 0 36

HCM LOS E

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	823	-	-	-	138
HCM Lane V/C Ratio	0.007	-	-	-	0.161
HCM Control Delay (s)	9.4	-	-	-	36
HCM Lane LOS	A	-	-	-	E
HCM 95th %tile Q(veh)	0	-	-	-	0.6

HCM 6th TWSC
4: Apple Valley Rd & US 36

Saturday Background Conditions

03/22/2018

Intersection

Int Delay, s/veh 0.5

Movement	EBT	EBR	WBL	WBT	NBL	NBR
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Lane Configurations						
Traffic Vol, veh/h	750	5	25	715	5	20
Future Vol, veh/h	750	5	25	715	5	20
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	833	6	28	794	6	22

Major/Minor	Major1	Major2	Minor1		
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Conflicting Flow All	0	0	839	0	1686	836
Stage 1	-	-	-	-	836	-
Stage 2	-	-	-	-	850	-
Critical Hdwy	-	-	4.12	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	796	-	103	367
Stage 1	-	-	-	-	425	-
Stage 2	-	-	-	-	419	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	796	-	97	367
Mov Cap-2 Maneuver	-	-	-	-	97	-
Stage 1	-	-	-	-	398	-
Stage 2	-	-	-	-	419	-

Approach	EB	WB	NB
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HCM Control Delay, s	0	0.3	22.3
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HCM LOS			C
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Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	236	-	-	796	-
HCM Lane V/C Ratio	0.118	-	-	0.035	-
HCM Control Delay (s)	22.3	-	-	9.7	0
HCM Lane LOS	C	-	-	A	A
HCM 95th %tile Q(veh)	0.4	-	-	0.1	-

APPENDIX C. FESTIVAL PARKING DATA

Rocky Grass (July)					Folks Festival (August)				
2015					2015				
	<u>Thursday</u>	<u>Friday</u>	<u>Saturday</u>	<u>Sunday</u>		<u>Thursday</u>	<u>Friday</u>	<u>Saturday</u>	<u>Sunday</u>
3-Day	791	138	82		3-Day	402	136	108	
Single Day	<u>151</u>	<u>27</u>	<u>168</u>	<u>183</u>	Single Day	<u>292</u>	<u>66</u>	<u>410</u>	<u>394</u>
Total # of Cars	942	1,107	1,179	1,194	Total # of Cars	694	896	1,056	1,040
2016					2016				
	<u>Thursday</u>	<u>Friday</u>	<u>Saturday</u>	<u>Sunday</u>		<u>Thursday</u>	<u>Friday</u>	<u>Saturday</u>	<u>Sunday</u>
3-Day	720	118	35		3-Day	425	115	87	
Single Day	<u>160</u>	<u>23</u>	<u>186</u>	<u>187</u>	Single Day	<u>171</u>	<u>64</u>	<u>361</u>	<u>338</u>
Total # of Cars	880	1,021	1,059	1,060	Total # of Cars	596	775	988	965
2017					2017				
	<u>Thursday</u>	<u>Friday</u>	<u>Saturday</u>	<u>Sunday</u>		<u>Thursday</u>	<u>Friday</u>	<u>Saturday</u>	<u>Sunday</u>
3-Day	751	92	67		3-Day	533	175	79	
Single Day	<u>227</u>	<u>32</u>	<u>177</u>	<u>193</u>	Single Day	<u>219</u>	<u>171</u>	<u>358</u>	<u>491</u>
Total # of Cars	978	1,102	1,087	1,103	Total # of Cars	752	1,098	1,145	1,278

APPENDIX D. TOTAL TRAFFIC LOS

Timings

2: Site Access & US 36

Thursday Total Traffic

03/21/2018



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑		↑	↑	↑	
Traffic Volume (vph)	360	85	330	450	10	30
Future Volume (vph)	360	85	330	450	10	30
Confl. Peds. (#/hr)			735		735	
Peak Hour Factor	0.90	0.80	0.80	0.90	0.80	0.80
Shared Lane Traffic (%)						
Turn Type	NA		Prot	NA	Prot	
Protected Phases	4		3	8	2	
Permitted Phases						
Detector Phase	4		3	8	2	
Switch Phase						
Minimum Initial (s)	5.0		3.0	5.0	5.0	
Minimum Split (s)	25.0		8.0	25.0	25.0	
Total Split (s)	28.0		24.0	52.0	8.0	
Total Split (%)	46.7%		40.0%	86.7%	13.3%	
Yellow Time (s)	3.5		3.5	3.5	3.5	
All-Red Time (s)	1.5		1.5	1.5	1.5	
Lost Time Adjust (s)	0.0		0.0	0.0	0.0	
Total Lost Time (s)	5.0		5.0	5.0	5.0	
Lead/Lag	Lag		Lead			
Lead-Lag Optimize?	Yes		Yes			
Recall Mode	None		None	None	Min	
Act Effct Green (s)	20.2		16.5	41.8	3.1	
Actuated g/C Ratio	0.37		0.30	0.76	0.06	
v/c Ratio	0.86		0.78	0.35	0.40	
Control Delay	32.5		30.4	2.8	24.0	
Queue Delay	0.0		0.0	0.0	0.0	
Total Delay	32.5		30.4	2.8	24.0	
LOS	C		C	A	C	
Approach Delay	32.5			15.3	24.0	
Approach LOS	C			B	C	

Intersection Summary

Cycle Length: 60

Actuated Cycle Length: 55

Natural Cycle: 90

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.86

Intersection Signal Delay: 21.5

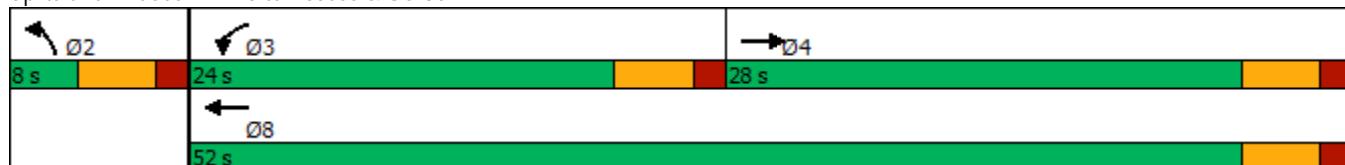
Intersection LOS: C

Intersection Capacity Utilization 61.2%

ICU Level of Service B

Analysis Period (min) 15

Splits and Phases: 2: Site Access & US 36



HCM 6th TWSC
1: US 36 & Eagle Canyon Cir

Thursday Total Traffic

03/21/2018

Intersection

Int Delay, s/veh 0.6

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↑	↑	↑	↑	Y	Y
Traffic Vol, veh/h	5	425	455	5	20	5
Future Vol, veh/h	5	425	455	5	20	5
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	100	-	-	100	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	80	90	90	80	80	80
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	6	472	506	6	25	6

Major/Minor	Major1	Major2	Minor2			
Conflicting Flow All	512	0	-	0	990	506
Stage 1	-	-	-	-	506	-
Stage 2	-	-	-	-	484	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	1053	-	-	-	273	566
Stage 1	-	-	-	-	606	-
Stage 2	-	-	-	-	620	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	1053	-	-	-	271	566
Mov Cap-2 Maneuver	-	-	-	-	271	-
Stage 1	-	-	-	-	602	-
Stage 2	-	-	-	-	620	-

Approach

EB WB SB

HCM Control Delay, s 0.1 0 18.2

HCM LOS C

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	1053	-	-	-	303
HCM Lane V/C Ratio	0.006	-	-	-	0.103
HCM Control Delay (s)	8.4	-	-	-	18.2
HCM Lane LOS	A	-	-	-	C
HCM 95th %tile Q(veh)	0	-	-	-	0.3

HCM 6th TWSC
4: Apple Valley Rd & US 36

Thursday Total Traffic

03/21/2018

Intersection

Int Delay, s/veh 0.6

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑		↔	↔		
Traffic Vol, veh/h	385	5	5	770	10	25
Future Vol, veh/h	385	5	5	770	10	25
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	90	80	80	90	80	80
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	428	6	6	856	13	31

Major/Minor	Major1	Major2	Minor1			
Conflicting Flow All	0	0	434	0	1299	431
Stage 1	-	-	-	-	431	-
Stage 2	-	-	-	-	868	-
Critical Hdwy	-	-	4.12	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-	-	2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	1126	-	178	624
Stage 1	-	-	-	-	655	-
Stage 2	-	-	-	-	411	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	1126	-	176	624
Mov Cap-2 Maneuver	-	-	-	-	176	-
Stage 1	-	-	-	-	648	-
Stage 2	-	-	-	-	411	-

Approach

EB WB NB

HCM Control Delay, s 0 0.1 16.3

HCM LOS C

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	361	-	-	1126	-
HCM Lane V/C Ratio	0.121	-	-	0.006	-
HCM Control Delay (s)	16.3	-	-	8.2	0
HCM Lane LOS	C	-	-	A	A
HCM 95th %tile Q(veh)	0.4	-	-	0	-

HCM 2010 Signals-Pedestrians
2: Site Access & US 36

Thursday Total Traffic
03/21/2018

Approach	EB	WB	NB
Crosswalk Length (ft)	36.0	36.0	24.0
Crosswalk Width (ft)	12.0	12.0	12.0
Total Number of Lanes Crossed	2	3	2
Number of Right-Turn Islands	0	0	0
Type of Control	None	None	None
Corresponding Signal Phase	8	2	4
Effective Walk Time (s)	0.0	0.0	0.0
Right Corner Size A (ft)	9.0	9.0	9.0
Right Corner Size B (ft)	9.0	9.0	9.0
Right Corner Curb Radius (ft)	0.0	0.0	0.0
Right Corner Total Area (sq.ft)	81.00	81.00	81.00
Ped. Left-Right Flow Rate (p/h)	0	0	0
Ped. Right-Left Flow Rate (p/h)	0	0	0
Ped. R. Sidewalk Flow Rate (p/h)	0	0	0
Veh. Perm. L. Flow in Walk (v/h)	0	0	0
Veh. Perm. R. Flow in Walk (v/h)	0	0	0
Veh. RTOR Flow in Walk (v/h)	0	0	0
85th percentile speed (mph)	30	30	30
Right Corner Area per Ped (sq.ft)	0.0	0.0	0.0
Right Corner Quality of Service	-	-	-
Ped. Circulation Area (sq.ft)	0.0	0.0	0.0
Crosswalk Circulation Code	-	-	-
Pedestrian Delay (s/p)	30.0	30.0	30.0
Pedestrian Compliance Code	Fair	Fair	Fair
Pedestrian Crosswalk Score	2.20	2.37	1.99
Pedestrian Crosswalk LOS	B	B	A

Timings

2: Site Access & US 36

Saturday Total Traffic

03/23/2018



Lane Group	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑		↑	↑	↑	
Traffic Volume (vph)	755	15	60	720	20	90
Future Volume (vph)	755	15	60	720	20	90
Confl. Peds. (#/hr)		460			735	
Peak Hour Factor	0.90	0.90	0.80	0.90	0.80	0.80
Shared Lane Traffic (%)						
Turn Type	NA		Prot	NA	Prot	
Protected Phases	4		3	8	2	
Permitted Phases						
Detector Phase	4		3	8	2	
Switch Phase						
Minimum Initial (s)	5.0		5.0	5.0	5.0	
Minimum Split (s)	25.0		25.0	25.0	25.0	
Total Split (s)	42.0		10.0	52.0	8.0	
Total Split (%)	70.0%		16.7%	86.7%	13.3%	
Yellow Time (s)	3.5		3.5	3.5	3.5	
All-Red Time (s)	1.5		1.5	1.5	1.5	
Lost Time Adjust (s)	0.0		0.0	0.0	0.0	
Total Lost Time (s)	5.0		5.0	5.0	5.0	
Lead/Lag	Lag		Lead			
Lead-Lag Optimize?	Yes		Yes			
Recall Mode	None		None	None	Min	
Act Effct Green (s)	26.8		5.6	31.6	3.4	
Actuated g/C Ratio	0.58		0.12	0.68	0.07	
v/c Ratio	0.80		0.35	0.63	0.62	
Control Delay	15.1		30.6	5.7	25.4	
Queue Delay	0.0		0.0	0.0	0.0	
Total Delay	15.1		30.6	5.7	25.4	
LOS	B		C	A	C	
Approach Delay	15.1			7.8	25.4	
Approach LOS	B			A	C	

Intersection Summary

Cycle Length: 60

Actuated Cycle Length: 46.3

Natural Cycle: 100

Control Type: Actuated-Uncoordinated

Maximum v/c Ratio: 0.80

Intersection Signal Delay: 12.4

Intersection LOS: B

Intersection Capacity Utilization 64.2%

ICU Level of Service C

Analysis Period (min) 15

Splits and Phases: 2: Site Access & US 36



HCM 6th TWSC
1: US 36 & Eagle Canyon Cir

Saturday Total Traffic

03/21/2018

Intersection

Int Delay, s/veh 0.6

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations	↑	↑	↑	↑	↑	↑
Traffic Vol, veh/h	5	755	725	15	15	5
Future Vol, veh/h	5	755	725	15	15	5
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	100	-	-	100	0	-
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	80	90	90	80	80	80
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	6	839	806	19	19	6

Major/Minor	Major1	Major2	Minor2			
Conflicting Flow All	825	0	-	0	1657	806
Stage 1	-	-	-	-	806	-
Stage 2	-	-	-	-	851	-
Critical Hdwy	4.12	-	-	-	6.42	6.22
Critical Hdwy Stg 1	-	-	-	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	2.218	-	-	-	3.518	3.318
Pot Cap-1 Maneuver	805	-	-	-	108	382
Stage 1	-	-	-	-	439	-
Stage 2	-	-	-	-	419	-
Platoon blocked, %	-	-	-	-	-	-
Mov Cap-1 Maneuver	805	-	-	-	107	382
Mov Cap-2 Maneuver	-	-	-	-	107	-
Stage 1	-	-	-	-	436	-
Stage 2	-	-	-	-	419	-

Approach

EB WB SB

HCM Control Delay, s 0.1 0 39.2

HCM LOS E

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1
Capacity (veh/h)	805	-	-	-	130
HCM Lane V/C Ratio	0.008	-	-	-	0.192
HCM Control Delay (s)	9.5	-	-	-	39.2
HCM Lane LOS	A	-	-	-	E
HCM 95th %tile Q(veh)	0	-	-	-	0.7

HCM 6th TWSC
4: Apple Valley Rd & US 36
Saturday Total Traffic

03/21/2018

Intersection

Int Delay, s/veh 0.6

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	↑		↔	↔		
Traffic Vol, veh/h	840	5	25	725	5	20
Future Vol, veh/h	840	5	25	725	5	20
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	90	80	80	90	80	80
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	933	6	31	806	6	25

Major/Minor	Major1	Major2	Minor1		
Conflicting Flow All	0	0	939	0	1804 936
Stage 1	-	-	-	-	936 -
Stage 2	-	-	-	-	868 -
Critical Hdwy	-	-	4.12	-	6.42 6.22
Critical Hdwy Stg 1	-	-	-	-	5.42 -
Critical Hdwy Stg 2	-	-	-	-	5.42 -
Follow-up Hdwy	-	-	2.218	-	3.518 3.318
Pot Cap-1 Maneuver	-	-	730	-	87 321
Stage 1	-	-	-	-	382 -
Stage 2	-	-	-	-	411 -
Platoon blocked, %	-	-	-	-	-
Mov Cap-1 Maneuver	-	-	730	-	80 321
Mov Cap-2 Maneuver	-	-	-	-	80 -
Stage 1	-	-	-	-	353 -
Stage 2	-	-	-	-	411 -

Approach	EB	WB	NB
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HCM Control Delay, s 0 0.4 26.3

HCM LOS D

Minor Lane/Major Mvmt	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)	200	-	-	730	-
HCM Lane V/C Ratio	0.156	-	-	0.043	-
HCM Control Delay (s)	26.3	-	-	10.2	0
HCM Lane LOS	D	-	-	B	A
HCM 95th %tile Q(veh)	0.5	-	-	0.1	-

HCM 2010 Signals-Pedestrians
2: Site Access & US 36

Saturday Total Traffic
03/21/2018

Approach	EB	WB	NB
Crosswalk Length (ft)	36.0	36.0	24.0
Crosswalk Width (ft)	12.0	12.0	12.0
Total Number of Lanes Crossed	2	3	2
Number of Right-Turn Islands	0	0	0
Type of Control	None	None	None
Corresponding Signal Phase	8	2	4
Effective Walk Time (s)	0.0	0.0	0.0
Right Corner Size A (ft)	9.0	9.0	9.0
Right Corner Size B (ft)	9.0	9.0	9.0
Right Corner Curb Radius (ft)	0.0	0.0	0.0
Right Corner Total Area (sq.ft)	81.00	81.00	81.00
Ped. Left-Right Flow Rate (p/h)	0	0	0
Ped. Right-Left Flow Rate (p/h)	0	0	0
Ped. R. Sidewalk Flow Rate (p/h)	0	0	0
Veh. Perm. L. Flow in Walk (v/h)	0	0	0
Veh. Perm. R. Flow in Walk (v/h)	0	0	0
Veh. RTOR Flow in Walk (v/h)	0	0	0
85th percentile speed (mph)	30	30	30
Right Corner Area per Ped (sq.ft)	0.0	0.0	0.0
Right Corner Quality of Service	-	-	-
Ped. Circulation Area (sq.ft)	0.0	0.0	0.0
Crosswalk Circulation Code	-	-	-
Pedestrian Delay (s/p)	30.0	30.0	30.0
Pedestrian Compliance Code	Fair	Fair	Fair
Pedestrian Crosswalk Score	2.53	2.53	1.82
Pedestrian Crosswalk LOS	B	B	A

**COLORADO DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ACCESS PERMIT APPLICATION**
Issuing authority application
acceptance date:

**Please print
or type**

Instructions:

- Contact the Colorado Department of Transportation (CDOT) or your local government to determine your issuing authority.
- Contact the issuing authority to determine what plans and other documents are required to be submitted with your application.
- Complete this form (some questions may not apply to you) and attach all necessary documents and Submit it to the issuing authority.
- Submit an application for each access affected.
- If you have any questions contact the issuing authority.
- For additional information see CDOT's Access Management website at <https://www.codot.gov/business/permits/accesspermits>

1) Property owner (Permittee) Planet Bluegrass Farm, LLC		2) Applicant or Agent for permittee (if different from property owner) Zach Tucker	
Street address 19680 N. St Vrain Drive		Mailing address PO Box 769	
City, state & zip Lyons, CO 80540	Phone # 303-682-3993	City, state & zip Lyons, CO 80540	Phone # (required) 303-682-3993
E-mail address zach@bluegrass.com		E-mail address if available zach@bluegrass.com	
3) Address of property to be served by permit (required) 19680 N. St Vrain Drive, Lyons CO 80540			
4) Legal description of property: If within jurisdictional limits of Municipality, city and/or County, which one? county subdivision block lot section township range Boulder 18 3 North 70W of 6P.M.			
5) What State Highway are you requesting access from? Highway 36		6) What side of the highway? <input type="checkbox"/> N <input checked="" type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W	
7) How many feet is the proposed access from the nearest mile post? 1200 feet <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W from: 20		How many feet is the proposed access from the nearest cross street? 700 feet <input checked="" type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> E <input type="checkbox"/> W from: Apple Valley Road	
8) What is the approximate date you intend to begin construction?			
9) Check here if you are requesting a: <input type="checkbox"/> new access <input type="checkbox"/> temporary access (duration anticipated: <input checked="" type="checkbox"/> change in access use <input type="checkbox"/> removal of access) <input type="checkbox"/> improvement to existing access <input type="checkbox"/> relocation of an existing access (provide detail)			
10) Provide existing property use Agricultural with Occassional Event Use in the Summer.			
11) Do you have knowledge of any State Highway access permits serving this property, or adjacent properties in which you have a property interest? <input type="checkbox"/> no <input checked="" type="checkbox"/> yes, if yes - what are the permit number(s) and provide copies: Permit #418017 & #418018 and/or, permit date:			
12) Does the property owner own or have any interests in any adjacent property? <input type="checkbox"/> no <input checked="" type="checkbox"/> yes, if yes - please describe: Adjacent property just southeast within Town of Lyons Limits			
13) Are there other existing or dedicated public streets, roads, highways or access easements bordering or within the property? <input type="checkbox"/> no <input checked="" type="checkbox"/> yes, if yes - list them on your plans and indicate the proposed and existing access points.			
14) If you are requesting agricultural field access - how many acres will the access serve?			
15) If you are requesting commercial or industrial access please indicate the types and number of businesses and provide the floor area square footage of each. business/land use square footage business square footage			
Parking and Camping for Festivals		20 Acres	
16) If you are requesting residential development access, what is the type (single family, apartment, townhouse) and number of units? type number of units type number of units			
17) Provide the following vehicle count estimates for vehicles that will use the access. Leaving the property then returning is two counts.			
Indicate if your counts are <input type="checkbox"/> peak hour volumes or <input checked="" type="checkbox"/> average daily volumes. # of single unit vehicles in excess of 30 ft.		# of passenger cars and light trucks at peak hour volumes 16	# of multi unit trucks at peak hour volumes 16
		# of farm vehicles (field equipment)	Total count of all vehicles 16

18) Check with the issuing authority to determine which of the following documents are required to complete the review of your application.

- a) Property map indicating other access, bordering roads and streets.
- b) Highway and driveway plan profile.
- c) Drainage plan showing impact to the highway right-of-way.
- d) Map and letters detailing utility locations before and after development in and along the right-of-way.
- e) Subdivision, zoning, or development plan.
- f) Proposed access design.
- g) Parcel and ownership maps including easements.
- h) Traffic studies.
- i) Proof of ownership.

1- It is the applicant's responsibility to contact appropriate agencies and obtain all environmental clearances that apply to their activities. Such clearances may include Corps of Engineers 404 Permits or Colorado Discharge Permit System permits, or ecological, archeological, historical or cultural resource clearances. The CDOT Environmental Clearances Information Summary presents contact information for agencies administering certain clearances, information about prohibited discharges, and may be obtained from Regional CDOT Utility/Special Use Permit offices or accessed via the CDOT Planning/Construction-Environmental-Guidance webpage: <https://www.codot.gov/programs/environmental/resources/guidance-standards/environmental-clearances-info-summary-august-2017/view>

2- All workers within the State Highway right of way shall comply with their employer's safety and health policies/procedures, and all applicable U.S. Occupational Safety and Health Administration (OSHA) regulations - including, but not limited to the applicable sections of 29 CFR Part 1910 - Occupational Safety and Health Standards and 29 CFR Part 1926
- Safety and Health Regulations for Construction.

Personal protective equipment (e.g. head protection, footwear, high visibility apparel, safety glasses, hearing protection, respirators, gloves, etc.) shall be worn as appropriate for the work being performed, and as specified in regulation. At a minimum, all workers in the State Highway right of way, except when in their vehicles, shall wear the following personal protective equipment: High visibility apparel as specified in the Traffic Control provisions of the documentation accompanying the Notice to Proceed related to this permit (at a minimum, ANSI/ISEA 107-1999, class 2); head protection that complies with the ANSI Z89.1-1997 standard; and at all construction sites or whenever there is danger of injury to feet, workers shall comply with OSHA's PPE requirements for foot protection per 29 CFR 1910.136, 1926.95, and 1926.96. If required, such footwear shall meet the requirements of ANSI Z41-1999.

Where any of the above-referenced ANSI standards have been revised, the most recent version of the standard shall apply.

3- The Permittee is responsible for complying with the Revised Guidelines that have been adopted by the Access Board under the American Disabilities Act (ADA). These guidelines define traversable slope requirements and prescribe the use of a defined pattern of truncated domes as detectable warnings at street crossings. The new Standards Plans and can be found on the Design and Construction Project Support web page at:

<https://www.codot.gov/business/civilrights/ada/resources-engineers>

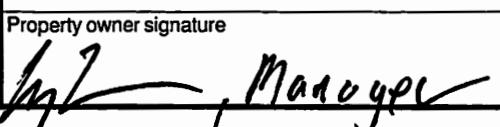
If an access permit is issued to you, it will state the terms and conditions for its use. Any changes in the use of the permitted access not consistent with the terms and conditions listed on the permit may be considered a violation of the permit.

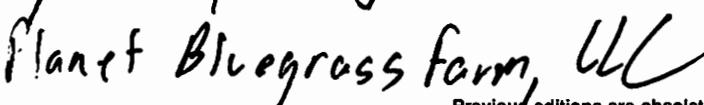
The applicant declares under penalty of perjury in the second degree, and any other applicable state or federal laws, that all information provided on this form and submitted attachments are to the best of their knowledge true and complete.

I understand receipt of an access permit does not constitute permission to start access construction work.

Applicant or Agent for Permittee signature	Print name	Date
	Zachary Tucker	7/18/22

If the applicant is not the owner of the property, we require this application also to be signed by the property owner or their legally authorized representative (or other acceptable written evidence). This signature shall constitute agreement with this application by all owners-of-interest unless stated in writing. If a permit is issued, the property owner, in most cases, will be listed as the permittee.

Property owner signature	Print name	Date
	Craig Ferguson	7/18/22



Previous editions are obsolete and may not be used

Exhibit A

Legend



14857 CO-7

Access

19680 N St Vrain Dr

↑
N