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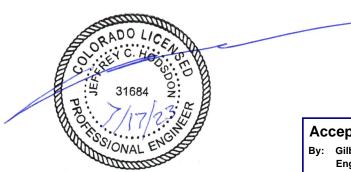
Website: http://www.lsctrans.com

Falcon Acres
Traffic Impact Study
(LSC #S214720)
May 18, 2023

PCD File # SF223

Traffic Engineer's Statement

This traffic report and supporting information were prepared under my responsible charge and they comport with the standard of care. So far as is consistent with the standard of care, said report was prepared in general conformance with the criteria established by the County for traffic reports.



Accepted for File

By: Gilbert LaForce, P.E. Engineering Manager

Date: 11/14/2023 7:27:52 AM
El Paso County Department of Public Works

Developer's Statement

I, the Developer, have read and will comply with all commitments made on my behalf within this report.

Thousand hills ile Redering

7/13/23 Date

Falcon Acres Traffic Impact Study

Prepared for:

Mr. Richard K. Elliott c/o Thousand Hills Land and Cattle Co., LLC 812 East Monument Street Colorado Springs CO, 80903-2824

MAY 18, 2023

LSC Transportation Consultants Prepared by: Jeffrey C. Hodsdon, P.E.

LSC #S214720 PCD File No. SF223



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Table 3 and Table 4

Figure 1 - Figure 8

Traffic Counts

Synchro LOS Reports

MTCP Maps



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May 18, 2023

Mr. Richard K. Elliott c/o Thousand Hills Land and Cattle Co., LLC 812 East Monument Street Colorado Springs CO, 80903-2824

RE: Falcon Acres
Traffic Impact Study
El Paso County, CO
PCD File No. SF223
LSC #S214720

Dear Mr. Elliott,

LSC Transportation Consultants, Inc. has prepared this traffic impact for the proposed Falcon Acres single-family residential development in El Paso County, Colorado. The eight-dwelling-unit single-family residential site is located on the southwest corner of Curtis Road/Davis Road (EPC parcel ID 4404000014). One access point to Davis Road is proposed for the property.

This report has been prepared for submittal to El Paso County.

REPORT CONTENTS

The preparation of this report included the following:

- Inventory of existing adjacent and nearby area road system. This included surface conditions, functional classifications, roadway widths, lane configurations, traffic control, posted speed limits, pavement markings, intersection and access spacing, roadway and intersection alignments, auxiliary left- and right-turn lanes, intersection sight distances, etc.;
- Estimates of existing morning and late-afternoon peak-hour turning-movement traffic counts at the "study-area" intersection of Curtis Road/Davis Road;
- Short-term baseline traffic volume estimates, which take into account remaining effects of the COVID-19 pandemic;
- Review of previously-completed traffic studies in the vicinity of this site for information and findings relative to this development. Other recent studies completed in the area and any applicable data/transferrable information/analysis etc. from previous LSC studies adjacent to the site were also utilized;

- Evaluation of intersection/access sight distance at the proposed access-point intersection on Davis Road, based on current criteria in the County's Engineering Criteria Manual (ECM);
- Estimates of average weekday and peak-hour trip generation for the proposed development;
- Estimation of directional distribution of site-generated vehicle trips on the area road system, at the study-area intersections, and at the proposed site-access point;
- Projections of site-generated turning-movement traffic volumes at the following "study-area" intersections:
 - Curtis Road/Davis Road
 - Davis Road/proposed site access
- Estimates of short- and long-term background traffic volumes at the study-area intersections and access points;
- Total traffic (site traffic plus background traffic) projections at the study-area intersections for the short and long term;
- Level of service (LOS) analysis at the study-area intersections;
- Evaluation of existing, short-term, and long-term projected intersection volumes to determine the potential need for any new auxiliary right-/left-turn lanes on Curtis Road and/or Davis Road, based on the criteria in the County's Engineering Criteria Manual;
- Estimated average daily traffic (ADT) on Davis Road and comparison of the "design ADT" for gravel roads in the ECM (from traffic-count data) to calculate the "link level of service (LOS);"
- Identification of the El Paso County Road Impact Fee Program fee amounts;
- Other recommended improvements/modifications to the study-area roads and intersections; and
- Summary of compiled data, analysis, findings, and recommendations.

LAND USE AND ACCESS

Proposed Land Use

Figure 1 shows the site location of the proposed Falcon Acres single-family residential development relative to the adjacent and nearby roads. in El Paso County, Colorado. The eight-dwelling-unit single-family residential site is located on the southwest corner of Curtis Road/Davis Road (EPC parcel ID 4404000014). A copy of the site plan is shown in Figure 2.

Proposed Site Access

One access point to Davis Road is proposed for the property, 1/4-mile west of the intersection of Curtis Road/Davis Road. This access point would be stop-sign controlled on the northbound approach and would be a full-movement intersection with Davis Road.

ROAD AND TRAFFIC CONDITIONS

Figure 1 shows the roads adjacent to and in the vicinity of the site. Adjacent roads serving the site are identified below followed by a brief description of each:

Page 3

Curtis Road extends north-to-south between Drennan Road and Stapleton Drive in El Paso County, Colorado. Curtis Road is shown as a two-lane Principal Arterial on the County's Major Transportation Corridors Plan (MTCP). The posted speed limit on Curtis Road adjacent to Davis Road is 45 miles per hour (mph). No auxiliary left- or right-turn lanes exist on any approach at the stop-sign-controlled intersection of Curtis Road/Davis Road. Curtis Road is classified as a fourlane Principal Arterial on the MTCP Corridor Preservation Plan (Map 14, attached).

Davis Road is a rural, two-lane gravel roadway extending east from Hoofbeat Road to east of Curtis Road. Davis Road is shown as a two-lane Collector on the 2040 El Paso County Major Transportation Corridors Plan (MTCP). The posted speed limit on Davis Road is 25 mph adjacent to the site.

Blaney Road is a rural, two-lane gravel roadway locally extending north from SH 94 to Davis Road. Blaney Road is classified as a two-lane Major Collector on the 2040 El Paso County Major Transportation Corridors Plan (MTCP) and a two-lane Collector on the 2060 El Paso County Corridor Preservation Plan.

Existing Traffic Volumes

Figure 3 shows the existing traffic volumes on the study-area roads and at the intersection of Curtis/Davis. These volumes are based on traffic counts on Davis Road west of Curtis and peak-hour turning-movement counts at the intersection of Curtis/Davis. Daily traffic estimates on Curtis Road and Davis Road east of Curtis are estimates by LSC. Count data sheets are attached for reference.

SIGHT DISTANCE

El Paso County Requirements

Access points (planned public-roadway intersections) must meet Engineering Criteria Manual (ECM) standards for sight distance. The site-access point is anticipated to be a full-movement, stop-sign-controlled intersection with Davis Road. All sight-distance field measurements utilized a driver's-eye height of 3.5 feet and a height of 3.5 feet for vehicles approaching from the east or west.

Entering Sight Distance

The entering sight distance for the proposed site-access driveway would exceed the required 335 feet approaching the access from both directions along Davis Road (per Table 2-21 of the County's Engineering Criteria Manual). Field measurements recorded 849 feet of sight distance looking to the east and greater than 1,000 feet looking to the west from the proposed site access location.

TRIP GENERATION

Estimates of the existing and projected vehicle trips to be generated by the site have been made using nationally-published average trip-generation rates for land use code "210 – Single-Family (Detached) Housing" in *Trip Generation*, 11th Edition, 2021 by the Institute of Transportation Engineers (ITE).

Table 1 below presents a summary of the estimated site trip generation. A detailed trip-generation estimate for the development, including ITE rates for the proposed land uses, is presented in Table 3 (attached).

Table 1: Estimated External Site Vehicle-Trip Generation

Analysis Pariod		Weekday	
Analysis Period	In	Out	Total
Morning Peak Hour	1	4	5
Evening Peak Hour	5	3	8
Daily/24-hour	38	38	76

Based on the ITE estimate for the proposed residential development, the site is projected to generate about 76 vehicle trips on the average weekday. During the weekday morning peak hour, approximately 1 vehicle would enter and 4 vehicles would exit the site. Approximately 5 entering vehicles and 3 exiting vehicles are projected for the weekday afternoon peak hour.

TRIP DISTRIBUTION AND ASSIGNMENT

Trip Directional Distribution

Estimating the directional distribution of site-generated vehicle trips to the study-area roads and intersections is a necessary component in determining the site's traffic impacts. Figure 4 shows the percentages of the site-generated vehicle trips projected to be oriented to and from the site's major approaches. Estimates have been based on the following factors: the proposed land use, the area road system serving the site, the traffic-count data at the intersection of Curtis/Davis, previously-conducted traffic studies in the area, and the site's geographic location relative to the City of Colorado Springs metro area, El Paso County, and the Pikes Peak region.

Site-Generated Traffic

Short Term

Figure 5 shows the projected short-term site-generated traffic volumes for the weekday morning and evening peak hours. Site-generated traffic volumes at the study-area intersections have been

calculated by applying the directional-distribution percentages estimated by LSC (from Figure 4) to the trip-generation estimates (from Table 3).

Existing-Plus-Site-Generated Traffic Volumes

Figure 6 shows the sum of existing traffic volumes (from Figure 3) and site-generated peak-hour traffic volumes (shown in Figure 5). These volumes represent the projected short-term total traffic.

Estimated Future 2040 Background Traffic Volumes

Figure 7 shows the projected 20-year background traffic volumes for the year 2040. Estimated 2040 background through traffic volumes on Curtis Road and Davis Road account for projected background growth of undeveloped parcels nearby and align with long-term traffic projections from previous LSC traffic studies in the vicinity of the site. The background traffic estimates shown in Figure 7 reflect a five-percent-per-year growth rate for 20 years. Projected 20-year background traffic volumes do not include projected traffic to be generated by the proposed Falcon Acres development.

Future 2040 Total Traffic Volumes

Figure 8 shows the projected 2040 total traffic volumes, which are the sum of 2040 background traffic volumes (from Figure 7) plus the site-generated traffic volumes (from Figure 5).

LEVEL OF SERVICE ANALYSIS

The following intersections have been analyzed to determine the projected intersection levels of service for short- and long-term traffic scenarios for the morning and evening peak-hour time periods:

- Curtis Road/Davis Road
- Davis Road/proposed site access

Level of service (LOS) is a quantitative measure of the level of congestion or delay at an intersection and is indicated on a scale from "A" to "F." LOS A is indicative of little congestion or delay. LOS F indicates a high level of congestion or delay. Table 2 shows the level of service delay ranges for signalized and unsignalized intersections.

Table 2:	Intersection	Levels of	Service	Delay	Ranges
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	Signalized Intersections	Unsignalized Intersections
	Average Control Delay	Average Control Delay
Level of Service	(Seconds per Vehicle)	(Seconds per Vehicle) ⁽¹⁾
Α	10.0 sec or less	10.0 sec or less
В	10.1-20.0 sec	10.1-15.0 sec
С	20.1-35.0 sec	15.1-25.0 sec
D	35.1-55.0 sec	25.1-35.0 sec
E	55.1-80.0 sec	35.1-50.0 sec
F	80.1 sec or more	50.1 sec or more

⁽¹⁾ For unsignalized intersections, if V/C ratio is greater than 1.0 the level of service is LOS F, regardless of the projected average control delay per vehicle.

Detailed Synchro reports are attached. A summary of LOS during the weekday morning and evening peak hours for the following unsignalized intersections is shown in the following figures:

- Figure 3: Existing Traffic, Lane Geometry, Traffic Control, and LOS
- Figure 6: Short-Term Total Traffic, Lane Geometry, Traffic Control, and LOS
- Figure 7: 2041 Background Traffic, Lane Geometry, Traffic Control, and LOS
- Figure 8: 2041 Background + Site Traffic, Lane Geometry, Traffic Control, and LOS

Curtis Road/Davis Road

All individual turning movements at the intersection of Curtis Road/Davis Road currently operate at and are projected to remain at LOS C or better during all short-term and long-term scenarios, with or without the addition of site-generated traffic.

Davis Road/Proposed Site Access

All individual turning movements at the proposed site-access intersection with Davis Road are projected to operate at LOS A during all short-term and long-term scenarios following the addition of site-generated traffic.

AUXILIARY TURN-LANE NEEDS ANALYSIS

The *Engineering Criteria Manual* contains turning-volume thresholds which require auxiliary left- or right-turn lanes by roadway classifications.

- Curtis Road Principal Arterial
- Davis Road Collector

Curtis Road/Davis Road Intersection

<u>Left-Turn Deceleration Lanes</u>

Left-turn deceleration auxiliary turn lanes are required for a Principal Arterial access with a projected peak-hour left-ingress turning volume of 10 vph or greater. The northbound left-turn volume is **not** projected to exceed this 10-vph threshold during either peak hour following the completion of the Falcon Acres residential development. As such, no modifications would be required to the existing northbound approach on Curtis Road approaching Davis Road.

Right-Turn Deceleration Lanes

Right-turn deceleration auxiliary turn lanes are required for a Principal Arterial access with a projected peak-hour right-ingress turning volume of 25 vph or greater. The southbound right-turn volume is **not** projected to exceed this 25-vph threshold during either peak hour following the completion of the Falcon Acres residential development. As such, no modifications would be required to the existing southbound approach on Curtis Road approaching Davis Road.

Right-Turn Acceleration Lanes

Per Section 2.3.7.D.2 of the *ECM*, a right-turn acceleration lane is required for any access with a projected peak-hour right-turning volume of 50 vph or greater when the posted speed on the roadway is greater than 40 mph. The eastbound right-turn volume is not projected to exceed this 50-vph threshold during either peak hour following the completion of the Falcon Acres residential development. As such, an eastbound-to-southbound right-turn acceleration lane would **not** be required at the intersection of Curtis Road/Davis Road.

Peaceful Rain Way (Site Access)/Davis Road Intersection (Proposed)

Right-turn deceleration lanes are typically required on Minor Arterials (or lower classifications, such as Davis Road (Collector)) for accesses with an ingress volume greater than 50 vph. The eastbound right-turn volume is not projected to exceed this 50-vph threshold during either peak hour following the completion of the Falcon Acres residential development. As such, an eastbound right-turn deceleration lane would **not** be required at the proposed Peaceful Rain Way/Davis Road site-access intersection.

AVERAGE DAILY TRAFFIC IMPACTS RELATIVE TO ROADWAY DESIGN ADT BY CLASSIFICATION

The projected buildout average daily traffic (ADT) impacts have been compared to the roadway design ADTs shown in Tables 2-4 and 2-5 of the *Engineering Criteria Manual (ECM)*. Actual current roadway capacities for specific roadway segments may differ from these *ECM*-identified "Design-ADT" values for County-standard roadways by classification.

Davis Road

Existing and Short Term

Davis Road is classified by the ECM as a two-lane, gravel Collector. Any development that causes an existing gravel roadway to exceed 200 vehicles per day (the design ADT for this type of roadway) shall require the gravel roadway to be paved, per *ECM* criteria.

Figure 3 shows the existing average weekday traffic AWT (125 vehicles per day), while the existingplus site scenario projects an ADT of 197 vehicles per day on Davis Road between Curtis Road and the proposed site access (shown in Figure 6). With the addition of projected site-generated trips, the quarter-mile segment of Davis Road between Curtis Road and the projected site access is not estimated to exceed the 200 ADT threshold for paving in the short term.

West of the site access, the estimated short-term total average weekday traffic AWT is 130 vpd, which would **not** exceed the 200 ADT threshold for paving in the short term.

Note that a significant portion of the vehicles on Davis Road on weekday off-peak workday hours are commercial vehicles (between 40 and 50 percent based on the count data). The weekend volumes are lower, absent these commercial vehicles. Thus, average daily traffic (7-day average) is lower than the average weekday volume.

Long Term

The long-term background projections consider projections developed with the MTCP. Map 2 of the 2040 MTCP shows "Low Growth" for residential households in the vicinity of the site. Locally, the volumes take into consideration the partially developed Davis Ranch subdivision on the east side of Curtis Road. Figure 7 shows LSC's estimates of 2040 background volumes on Curtis Road and Davis Road. Future turning-movement volumes at Davis/Curtis are relatively light and may vary significantly depending on additional area subdivisions and/or other development served by Davis Road. Any future changes in area roadway conditions may also have an effect on these projected volumes.

The section of Davis Road between Curtis Road and the proposed site access, at 250 vehicles per day (Average Weekday Traffic), is projected to exceed the 200 ADT threshold for paving in the long term, without the proposed Falcon Acres residential development. The projected total would be 323 AWT in the long term **with** the addition of site-generated traffic.

The section of Davis Road west of the proposed site access between Blaney Road, at 250 vehicles per day (Average Weekday Traffic), is projected to exceed the 200 ADT threshold for paving in the long term, without the proposed Falcon Acres residential development. The projected total would be 255 AWT in the long term with the addition of site-generated traffic.

However, Map 7 of the MTCP projects that Davis Road east of Blaney Road, as a gravel road, would remain adequate through 2040. Granted, the MTCP was dated 2016 and this and other future subdivisions can alter the MTCP findings. Also, the MTCP is a large-scale document. Staff will review the local area conditions with this subdivision application.

ROADWAY PAVING – DAVIS ROAD

LSC has calculated the percentage of impact on Davis Road due to this project's site-generated traffic.

Please refer to Table 4 (attached).

MAJOR TRANSPORTATION CORRIDORS PLAN (MTCP)

Roadway Classifications

The following study-area roadway improvements are shown on Map 13 and Table 5 of El Paso County's 2016 MTCP. The County will require these roadways to be constructed to County standards (ECM Table 2-5 presents a summary of roadways design standards):

- Curtis Road 2-lane Rural Principal Arterial
- Davis Road 2-lane Rural Collector
- Internal roadways within the proposed residential development Rural Local (Gravel) Road

Reimbursable Improvements

The following roadway improvement projects have been identified as being needed by the year 2040 per Map 13 and Table 4 of El Paso County's 2016 MTCP:

- U1 Curtis Road from Judge Orr Road to SH 94 (\$35,549,000)
 - Existing conditions 2-lane Rural Unimproved County Road
 - Future conditions 2-lane Rural Principal Arterial
- P12 Hoofbeat Road from Blaney Road to SH 94 (\$2,756,000)
 - Existing conditions 2-lane Rural Gravel Road
 - Future conditions 2-lane Rural Unimproved County Road

See the attached *MTCP* maps for reference.

COUNTY ROAD IMPROVEMENT FEE PROGRAM

Transportation Impact Fees

This project will be required to participate in the El Paso County Road Improvement Fee Program. Falcon Acres will join the ten-mil PID. The ten-mil PID building permit fee portion associated with this option is \$1,221 per single-family dwelling unit. The total building-permit fee would be \$9,768 for the 8 lots.

Note: This is based on the current rate, which is subject to change. El Paso County updates this rate periodically.

MULTI-MODAL TRANSPORTATION AND TDM OPPORTUNITIES

The following multi-modal improvement projects have been identified as being needed by the year 2040 per Map 15 and Table 5 of El Paso County's 2016 MTCP:

Proposed Secondary Regional Trail (Hoofbeat Road to Peyton Highway)

No sidewalks would be required, as all study-area roadways are Rural roadways.

There is a Park-N-Ride under construction to the northwest near the intersection of US Hwy 24/Meridian Road.

DEVIATIONS

No transportation-related deviations to *ECM* design criteria are requested.

SUMMARY OF FINDINGS

- The proposed development is projected to generate about 76 vehicle trips on the average weekday.
- During the weekday morning peak hour, 1 vehicle would enter the site while 4 vehicles would
- During the weekday evening peak hour, 5 vehicles would enter the site while 3 vehicles would
- All approaches at the study area intersections are projected to operate at LOS or better through the 20-year horizon. Please refer to the "Level of Service" section above for detailed LOS analysis results for more details.
- Based on the projected northbound left-turn movement (which includes baseline background traffic plus projected site traffic) at the Curtis/Davis intersection, a northbound left-turn lane would not be required by ECM criteria.
- Projected right-turn volumes at the Curtis/Davis intersection are below the ECM threshold requiring right-turn deceleration and acceleration Curtis Road. lanes on

Note: The turning-volume thresholds requiring auxiliary lanes on Principal Arterials are relatively low. Any significant additional development along Davis Road to the east and west or additional trip generation added to roads connecting to Davis Road may result in these thresholds being exceeded. Davis Road east and west of Curtis Road is classified as a Collector roadway on the *MTCP*. Typically, collector connections with arterial roads include auxiliary turn lanes. However, in this case, Davis Road has limited continuity to the east and west. The *MTCP* shows future need for improvement to Blaney Road south of Davis, and not Davis east of Blaney Road.

- Please refer to the "Auxiliary Turn-Lane Analysis" section more details.
- Based on the existing average weekday traffic volumes plus the estimated site-generated weekday volumes, the quarter-mile segment of Davis Road between Curtis Road and the site access would be under the County 200-vpd threshold for paving gravel roadways. Please refer to the "Average Daily Traffic Impacts Relative to Roadway Design ADT by Classification" section above for more details.
- Regarding the longer-term need for paving, Davis Road east and west of Curtis Road is classified as a Collector roadway on the MTCP. Typically, Collectors are already paved or are projected (by MTCP) to have volumes significantly above the 200-vpd paving threshold, and, as such, would clearly need future paving. However, Davis Road has limited continuity to the east and west. The MTCP shows future need for improvement to Blaney Road south of Davis, and not Davis east of Blaney Road. Map 7 of the MTCP projects that Davis Road east of Blaney Road, as a gravel road, would remain adequate through 2040. Granted the MTCP was dated 2016 (five years old) and this and other future subdivisions can alter the MTCP findings, particularly on low-volume roadways. The MTCP is a large-scale document. Also, note that a significant portion of the vehicles on Davis Road on weekday off-peak workday hours are commercial vehicles. The weekend volumes are lower, absent these commercial vehicles. Thus, average daily traffic (7-day average) is lower than the average weekday volume. Should staff determine that this section of Davis Road would need to be paved in the future, the applicant may be required to escrow a fair-share amount toward future roadway paving (see attached Table 4).

* * * * *

May 18, 2023 Traffic Impact Study

Please contact me if you have any questions regarding this report.

Respectfully Submitted,

LSC TRANSPORTATION CONSULTANTS, INC.

By: Jeffrey C. Hodsdon, P.E. Principal

JCH/JAB:jas

Enclosures: Table 3 and Table 4

Figure 1 - Figure 8 Traffic Counts

Synchro LOS Reports

MTCP Maps

Tables



Table 3: Detailed Trip-Generation Estimate

	ITE			Trip	Gener	ation F	Rates ²		Tot	al Trips	s Genei	ated	
	1116	Value	Units 1	Average	A.	M.	P.I	M.	Average	A.	M.	P.	M.
Code	Description			Weekday	ln	Out	ln	Out	Weekday	ln	Out	ln	Out
210	Single-Family (Detached) Housing	8	DU	9.43	0.18	0.53	0.59	0.35	75	1	4	5	3

¹ DU = dwelling units

² Source: Trip Generation, 11th Edition, 2017, by the Institute of Transportation Engineers (ITE)

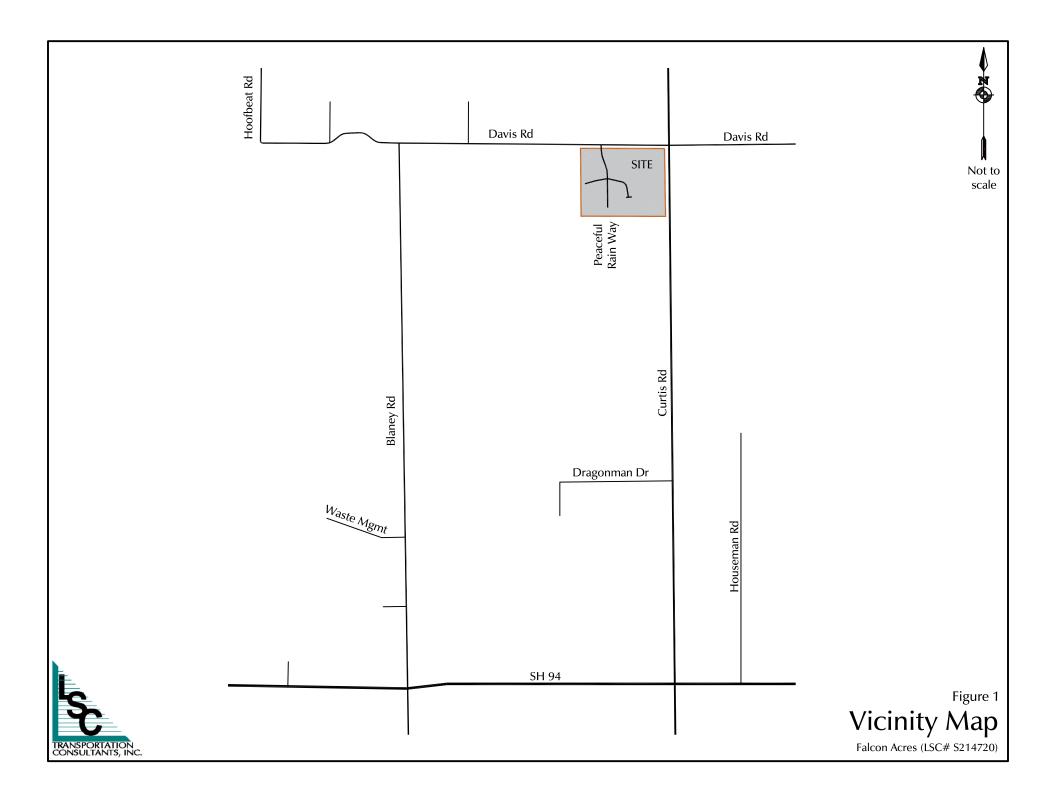
Table 4 Estimated Fair Share of Improvement Cost

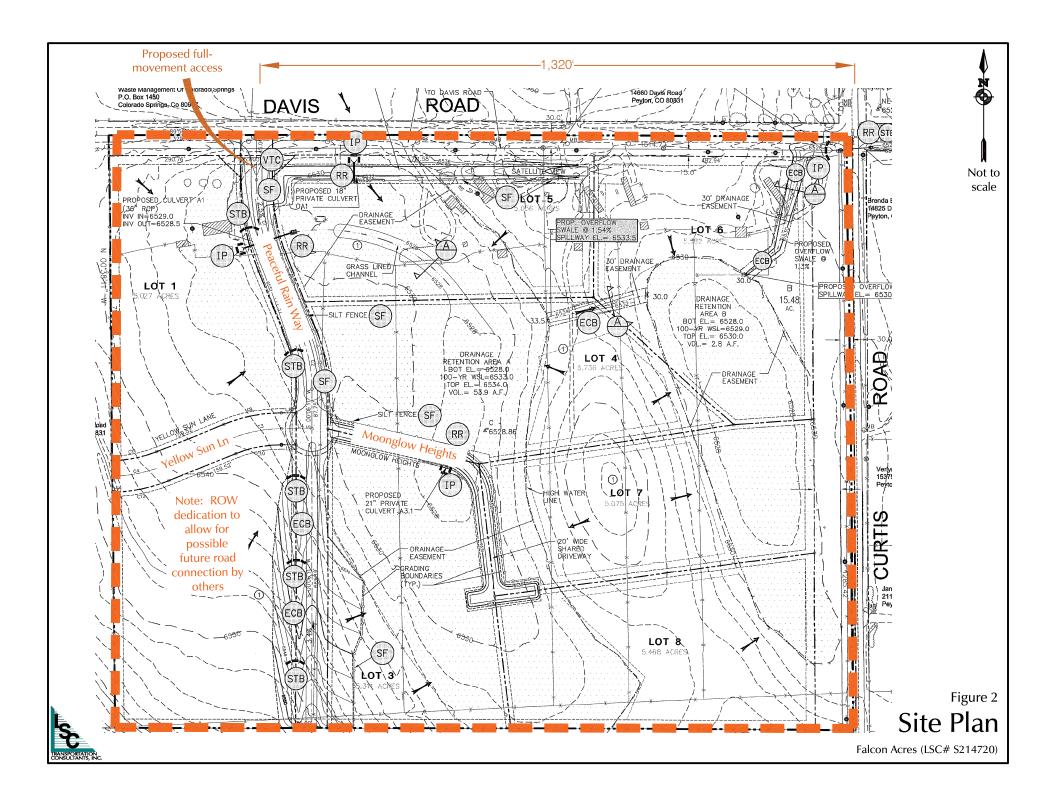
Davis Road Paving/Upgrade

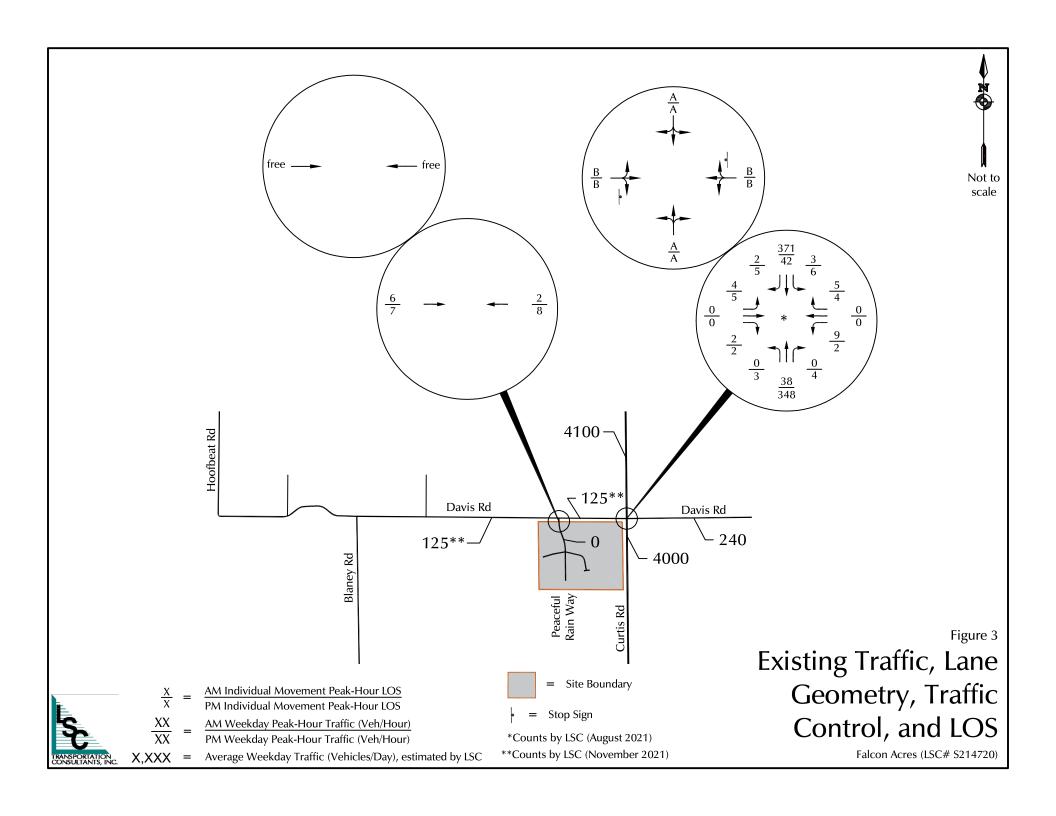
	Volum	nes (ADT)	Site	Linear	l ma mana ya ma a mat	Linit Cost		Davelanment	David		
Roadway Segment	C:t-	2042	Percent of	Feet of	Improvement		Total Cost	Development		Cross Section	Unit Cost Includes:
	Site	BG + Site	2042 Total	Roadway	Scenario	per LF		Share	Width		
Davis w/o site to Blaney Road	4	254	1.6%	3880	Scenario 1	81.76	\$317,229	\$4,996	28'	Rural Local	Asphalt Only \$2.92 (6" depth)
Davis w/o site to Blaney Road	4	254	1.6%	3880	Scenario 2	173.34	\$672,559	\$10,591	32'	Rural Major Collector	Standard Segment Unit Cost
Davis e/o site to Curtis Road	71	321	22.1%	1320	Scenario 1	81.76	\$107,923	\$23,871	28'	Rural Local	Asphalt Only \$2.92 (6" depth)
Davis e/o site to Curtis Road	71	321	22.1%	1320	Scenario 2	173.34	\$228,809	\$50,609	32'	Rural Major Collector	Standard Segment Unit Cost
Both Segments Combined:											
Davis Road Curtis to Blaney					Scenario 1		\$425,152	\$28,867	28'	Rural Local	Asphalt Only \$2.92 (6" depth)
Davis Road Curtis to Blaney					Scenario 2		\$901,368	\$61,200	32'	Rural Major Collector	Standard Segment Unit Cost
by: LSC Transportation Consulta	ants, Inc.										4/27/2023

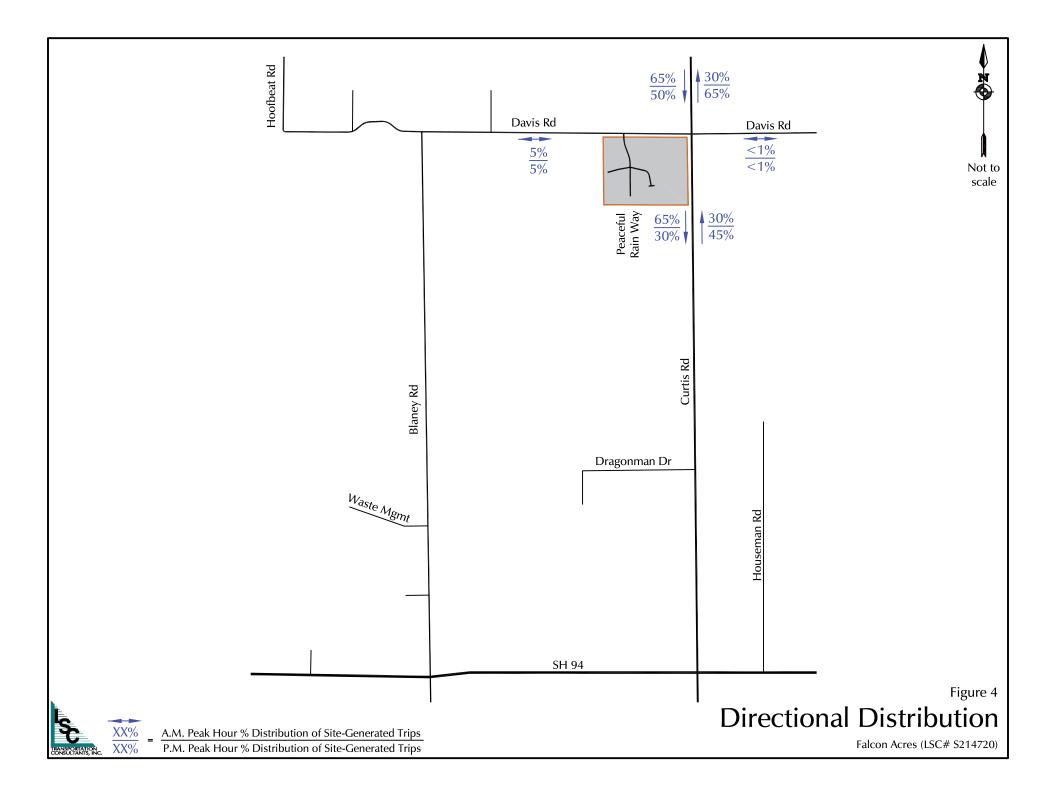
Figures

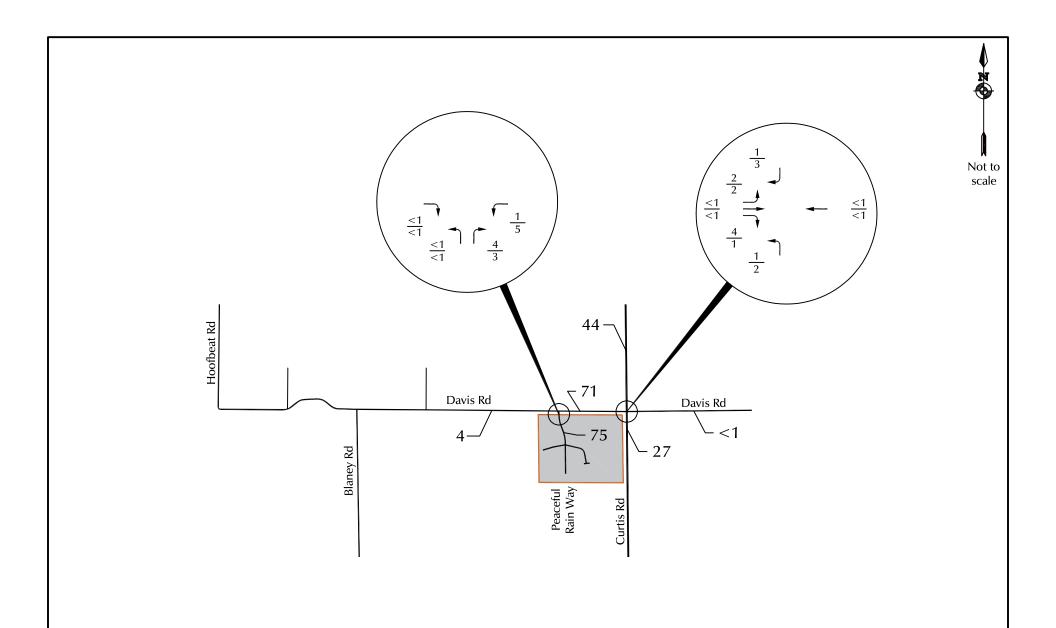














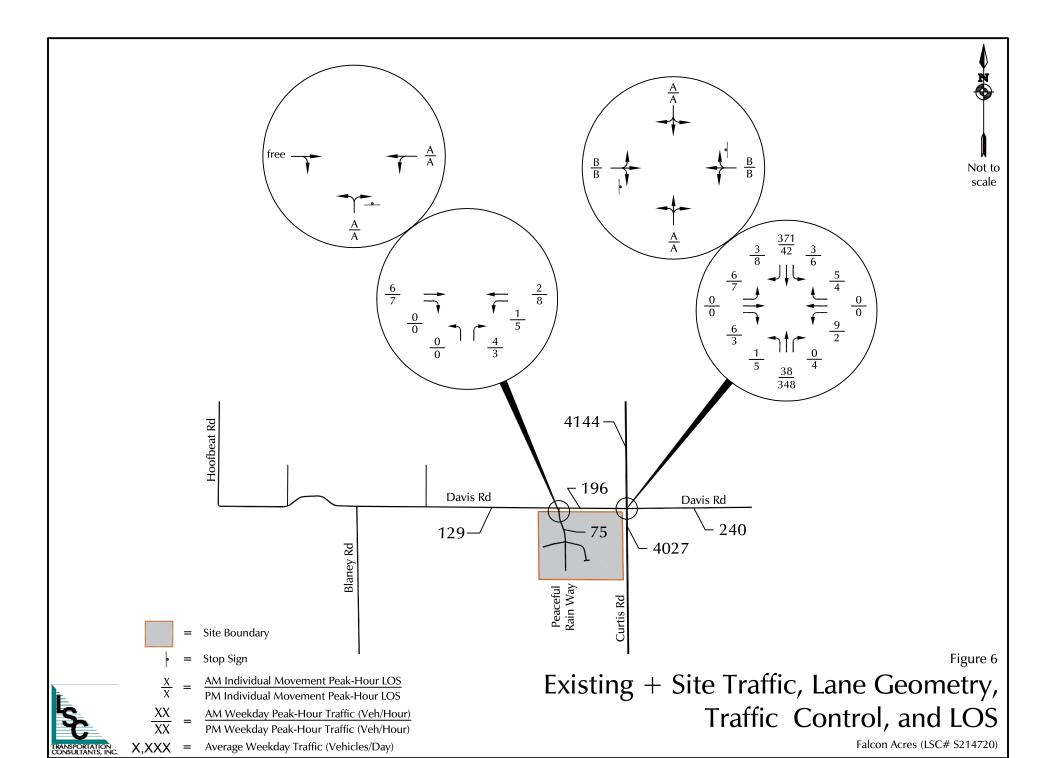
= Site Boundary

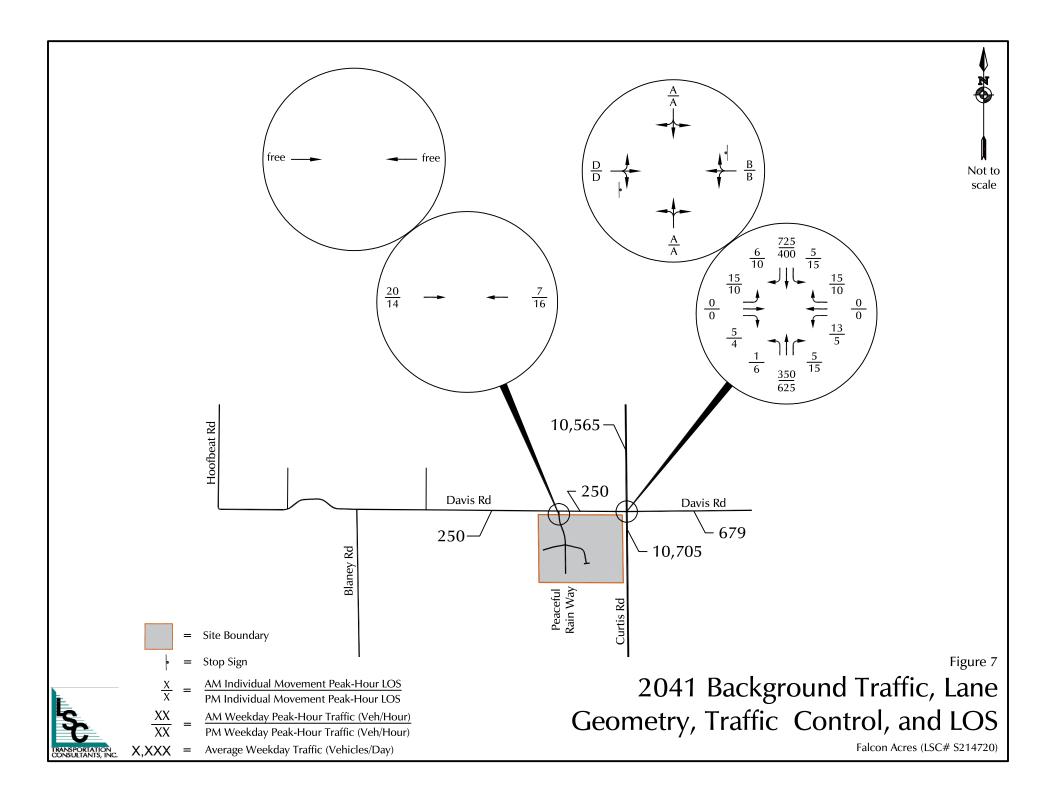
 $\frac{XX}{XX}$ = $\frac{AM \text{ Weekday Peak-Hour Traffic (Veh/Hour)}}{PM \text{ Weekday Peak-Hour Traffic (Veh/Hour)}}$

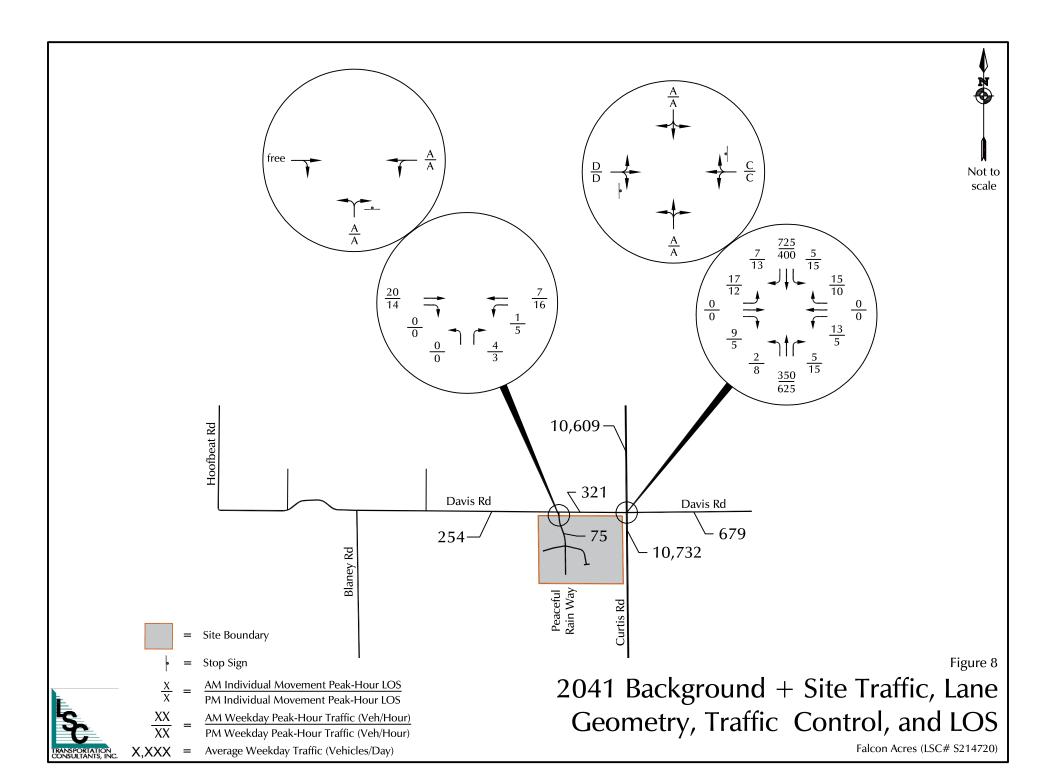
X,XXX = Average Weekday Traffic (Vehicles/Day)

Site-Generated Traffic

Falcon Acres (LSC# S214720)







Traffic Counts



545 E Pikes Peak Ave, Suite 210 Colorado Springs, CO 80905 719-633-2868

File Name: Curtis Rd - Davis Rd AM

Site Code : S214720 Start Date : 8/10/2021

Page No : 1

Groups Printed- Unshifted

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Start		Т	R	U	A T-4-1	L	T	R	U	A T-4-1	т	Т	R	T.	A T-4-1	L	т	R	U	A T-4-1	Int. Total
Time	L	1	K	U	App. Total	L	1	K	U	App. Total	L	1	K		App. Total	L	1	K	U	App. Total	int. 1 otai
06:30 AM	1	93	0	0	94	2	0	1	0	3	1	9	0	0	10	0	0	0	0	0	107
06:45 AM	0	87	0	0	87	0	0	1	0	1	0	9	0	0	9	0	0	0	0	0	97
Total	1	180	0	0	181	2	0	2	0	4	1	18	0	0	19	0	0	0	0	0	204
07:00 AM	1	91	1	0	93	3	0	1	0	4	0	14	0	0	14	1	0	1	0	2	113
07:15 AM	1	99	1	0	101	3	0	1	0	4	0	6	0	0	6	1	0	1	0	2	113
07:30 AM	1	94	0	0	95	3	0	2	0	5	0	9	0	0	9	2	0	0	0	2	111
07:45 AM	0	69	1	0	70	0	0	1	0	1	0	3	0	0	3	1	0	0	0	1	75
Total	3	353	3	0	359	9	0	5	0	14	0	32	0	0	32	5	0	2	0	7	412
08:00 AM	0	54	2	0	56	1	0	0	0	1	0	8	1	0	9	0	0	0	0	0	66
08:15 AM	2	44	2	0	48	2	0	1	0	3	0	9	0	0	9	1	0	0	0	1	61
Grand Total	6	631	7	0	644	14	0	8	0	22	1	67	1	0	69	6	0	2	0	8	743
Apprch %	0.9	98	1.1	0		63.6	0	36.4	0		1.4	97.1	1.4	0		75	0	25	0		
Total %	0.8	84.9	0.9	0	86.7	1.9	0	1.1	0	3	0.1	9	0.1	0	9.3	0.8	0	0.3	0	1.1	

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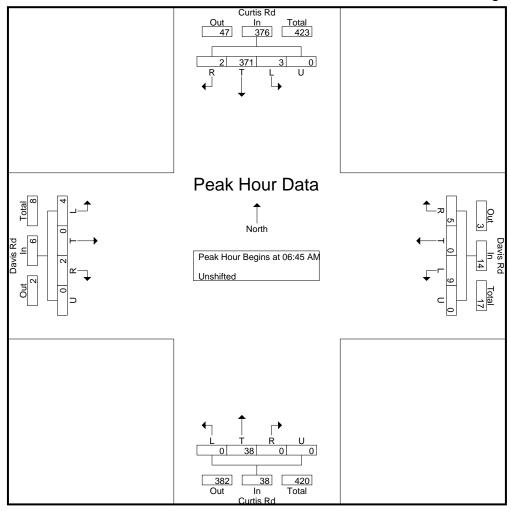
		(Curtis Ro	ı]	Davis Rd				(Curtis Ro	ı]	Davis Rd			
		So	uthboun	d			W	estbound	ı			No	orthbour	ıd			E	astboun	ì		
Start Time	L	T	R	U	App. Total	L	T	R	U	App. Total	L	T	R	U	App. Total	L	T	R	U	App. Total	Int. Total
Peak Hour Analy	ysis From	6:30:00	AM to 8	:15:00	AM - Peak	1 of 1															
Peak Hour for Ent	tire Inters	ection Be	gins at 6:	45:00 A	M																
6:45:00 AM	0	87	0	0	87	0	0	1	0	1	0	9	0	0	9	0	0	0	0	0	97
7:00:00 AM	1	91	1	0	93	3	0	1	0	4	0	14	0	0	14	1	0	1	0	2	113
7:15:00 AM	1	99	1	0	101	3	0	1	0	4	0	6	0	0	6	1	0	1	0	2	113
7:30:00 AM	1	94	0	0	95	3	0	2	0	5	0	9	0	0	9	2	0	0	0	2	111
Total Volume	3	371	2	0	376	9	0	5	0	14	0	38	0	0	38	4	0	2	0	6	434
% App. Total	0.8	98.7	0.5	0		64.3	0	35.7	0		0	100	0	0		66.7	0	33.3	0		
PHF	.750	.937	.500	.000	.931	.750	.000	.625	.000	.700	.000	.679	.000	.000	.679	.500	.000	.500	.000	.750	.960

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.625

.696

.000

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.875

		_	Curtis Rd uthbound				Davis Rd estbound			_	urtis Rd rthbound					Davis Rd astbound					
Start Time	L	T	R	U A	App. Total	L	T	R	UA	App. Total	L	T	R	U A	p. Total	L	T	R	U A	pp. Total	Int. Total
Peak Hour Anal	ysis From	6:30:00	AM to 8:	15:00 A	M - Peak	1 of 1															
Peak Hour for Ea	ch Approa	ch Begin	s at:																		
	6:45:00 AM					6:45:00 AM					6:30:00 AM					7:00:00 AM					
+0 mins.	0	87	0	0	87	0	0	1	0	1	1	9	0	0	10	1	0	1	0	2	
+5 mins.	1	91	1	0	93	3	0	1	0	4	0	9	0	0	9	1	0	1	0	2	
+10 mins.	1	99	1	0	101	3	0	1	0	4	0	14	0	0	14	2	0	0	0	2	
+15 mins.	1	94	0	0	95	3	0	2	0	5	0	6	0	0	6	1	0	0	0	1	
Total Volume	3	371	2	0	376	9	0	5	0	14	1	38	0	0	39	5	0	2	0	7	
% App. Total	0.8	98.7	0.5	0		64.3	0	35.7	0		2.6	97.4	0	0		71.4	0	28.6	0		

.700

.250

.679

.000

.000

PHF

.750

.937

.500

.000

.931

.750

.000

.625

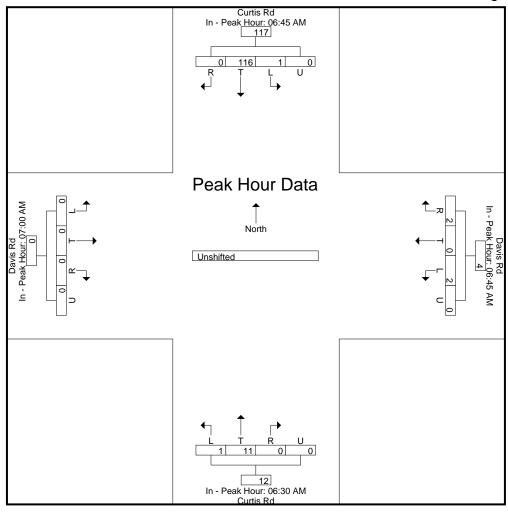
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File Name: Curtis Rd - Davis Rd PM

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Groups Printed- Unshifted

1										s r i iiiteu-	Chamite										٦
			Curtis R	.d				Davis Ro	i				Curtis R	ld				Davis Ro	l		
		S	outhbour	nd			V	Vestboun	ıd			N	orthbou	nd			E	Castboun	d		
Start		T	ъ	T T		L	$_{\mathbf{T}}$	R	T T			Т	ъ	T.			T	R	TI		T 4 75 4 1
Time	L	1	R	U	App. Total	L	1	K	U	App. Total	L	1	R		App. Total	L	1	K	U	App. Total	Int. Total
04:00 PM	2	9	0	0	11	1	0	2	0	3	0	77	1	0	78	2	0	1	0	3	95
04:15 PM	1	11	3	0	15	1	0	1	0	2	2	104	1	0	107	0	0	0	0	0	124
04:30 PM	2	12	2	0	16	0	0	1	0	1	0	78	0	0	78	2	0	0	0	2	97
04:45 PM	1	10	0	0	11	0	0	0	0	0	1	89	2	0	92	1	0	1	0	2	105
Total	6	42	5	0	53	2	0	4	0	6	3	348	4	0	355	5	0	2	0	7	421
05:00 PM	0	10	1	0	11	2	0	0	0	2	0	59	1	0	60	0	0	1	0	1	74
05:15 PM	0	10	1	0	11	0	0	0	0	0	1	60	3	0	64	0	0	0	0	0	75
05:30 PM	0	8	0	0	8	0	0	0	0	0	0	43	0	0	43	1	0	0	0	1	52
05:45 PM	0	11	0	0	11	0	0	1	0	1	1	34	0	0	35	2	0	0	0	2	49
Total	0	39	2	0	41	2	0	1	0	3	2	196	4	0	202	3	0	1	0	4	250
Grand Total	6	81	7	0	94	4	0	5	0	9	5	544	8	0	557	8	0	3	0	11	671
Apprch %	6.4	86.2	7.4	0		44.4	0	55.6	0		0.9	97.7	1.4	0		72.7	0	27.3	0		
Total %	0.9	12.1	1	0	14	0.6	0	0.7	0	1.3	0.7	81.1	1.2	0	83	1.2	0	0.4	0	1.6	

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		(Curtis Ro	l]	Davis Rd				(Curtis Ro	i]	Davis Rd	l		
		So	uthboun	d			W	estboun	d			No	orthbour	ıd			E	astbound	ı		
Start Time	L	T	R	U	App. Total	L	T	R	U	App. Total	L	T	R	U	App. Total	L	T	R	U	App. Total	Int. Total
Peak Hour Analy	ysis From	4:00:00	PM to 5	:45:00 I	PM - Peak	1 of 1															
Peak Hour for En	tire Inters	ection Be	gins at 4:	00:00 P	M																
4:00:00 PM	2	9	0	0	11	1	0	2	0	3	0	77	1	0	78	2	0	1	0	3	95
4:15:00 PM	1	11	3	0	15	1	0	1	0	2	2	104	1	0	107	0	0	0	0	0	124
4:30:00 PM	2	12	2	0	16	0	0	1	0	1	0	78	0	0	78	2	0	0	0	2	97
4:45:00 PM	1	10	0	0	11	0	0	0	0	0	1	89	2	0	92	1	0	1	0	2	105
Total Volume	6	42	5	0	53	2	0	4	0	6	3	348	4	0	355	5	0	2	0	7	421
% App. Total	11.3	79.2	9.4	0		33.3	0	66.7	0		0.8	98	1.1	0		71.4	0	28.6	0		
PHF	.750	.875	.417	.000	.828	.500	.000	.500	.000	.500	.375	.837	.500	.000	.829	.625	.000	.500	.000	.583	.849

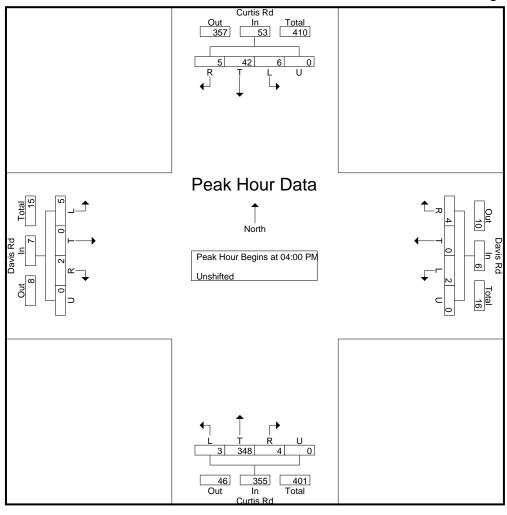
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			Curtis Rd uthbound					Davis Rd estbound				_	urtis Rd rthbound					Davis Rd astbound			
Start Time	L	T	R	UA	pp. Total	L	Т	R	U A	pp. Total	L	T	R	UA	pp. Total	L	Т	R	UA	App. Total	Int. Total
Peak Hour Anal	ysis From	4:00:00	PM to 5:4	45:00 PM	I - Peak	1 of 1															
Peak Hour for Ea	ch Approa	ch Begin	s at:																		-
	4:00:00 PM					4:00:00 PM					4:00:00 PM					4:00:00 PM					
+0 mins.	2	9	0	0	11	1	0	2	0	3	0	77	1	0	78	2	0	1	0	3	
+5 mins.	1	11	3	0	15	1	0	1	0	2	2	104	1	0	107	0	0	0	0	0	
+10 mins.	2	12	2	0	16	0	0	1	0	1	0	78	0	0	78	2	0	0	0	2	
+15 mins.	1	10	0	0	11	0	0	0	0	0	1	89	2	0	92	1	0	1	0	2	
Total Volume	6	42	5	0	53	2	0	4	0	6	3	348	4	0	355	5	0	2	0	7	
% App. Total	11.3	79.2	9.4	0		33.3	0	66.7	0		0.8	98	1.1	0		71.4	0	28.6	0		

.500

.375

.837

.500

.000

.829

.625

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.500

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PHF

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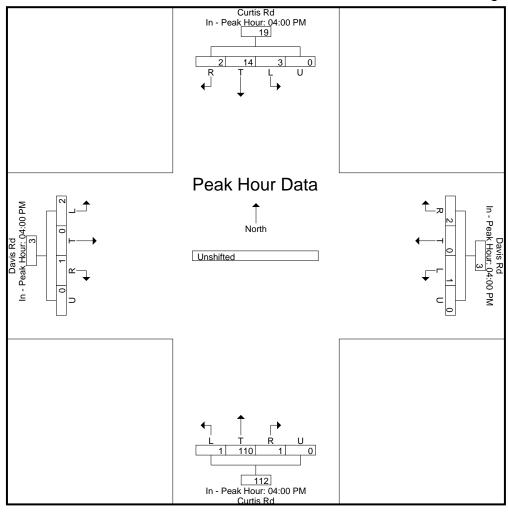
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File Name: Curtis Rd - Davis Rd PM

Site Code : S214720 Start Date : 8/10/2021

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Levels of Service



Int Delay, s/veh	Intersection												
Movement		0.7											
Lane Configurations			EDT	EDD	\\/DI	WDT	W/DD	NDI	NDT	NDD	CDI	CDT	CDD
Traffic Vol, veh/h		EDL		EDK	VVDL		WDK	INDL		NDK	ODL		SDK
Future Vol, veh/h Conflicting Peds, #lhr O O O O O O O O O O O O O O O O O O O		1		2	0		_	٥		٥	2		2
Conflicting Peds, #hr Stop Stop						-		-					
Sign Control Stop Stop Stop Stop Stop Stop Stop Free	· ·												
RT Channelized						~							
Storage Length		•									riee		
Veh in Median Storage, # - 0			_	INUITE			INUITE			INUITE	_		INUITE
Grade, % - 0 - - 0 - - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 - 0 0 - 0 0 - 0 0 - 0 0 - 0 0 4 0 3 403 2 Major/Minor Minor Minor Major Major Major Winor - 0 0 46 0 0 46 0 0 46 0 0 0 46 0 0 46 0 0 46 0 0 46 0 0 46 0 0 46 0 0 46 0 0 46 0 0 46 0			<u> </u>							_			
Peak Hour Factor	•	•											
Heavy Vehicles, % 2 2 2 2 2 2 2 2 2									-				
Mymt Flow 5 0 3 12 0 6 0 46 0 3 403 2 Major/Minor Minor2 Minor1 Major1 Major2 Conflicting Flow All 459 456 404 458 457 46 405 0 0 46 0 0 Stage 1 410 410 - 46 46 - <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>													
Major/Minor Minor2													
Conflicting Flow All													_
Conflicting Flow All	Major/Mina-	Minaro			Minant			Mais =1			Mais 2		
Stage 1 410 410 - 46 46			450			157			^			^	^
Stage 2											46		
Critical Hdwy 7.12 6.52 6.22 7.12 6.52 6.22 4.12 - 4.12 - - - - 4.12 -							-	-	-	-	-	-	-
Critical Hdwy Stg 1 6.12 5.52 - 6.12 5.52 - <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>6.00</td><td>1.10</td><td>-</td><td>-</td><td>1.10</td><td>-</td><td>-</td></t<>							6.00	1.10	-	-	1.10	-	-
Critical Hdwy Stg 2 6.12 5.52 - <td></td> <td></td> <td></td> <td>0.22</td> <td></td> <td></td> <td>0.22</td> <td>4.12</td> <td>-</td> <td>-</td> <td>4.12</td> <td>-</td> <td>-</td>				0.22			0.22	4.12	-	-	4.12	-	-
Follow-up Hdwy 3.518 4.018 3.318 3.518 4.018 3.318 2.218 - 2.218 2.218 Pot Cap-1 Maneuver 512 501 647 513 500 1023 1154 - 1562 Stage 1 619 595 - 968 857				-			_	-	_	_	-	_	_
Pot Cap-1 Maneuver 512 501 647 513 500 1023 1154 1562 Stage 1 619 595 - 968 857 Stage 2 964 857 - 617 595 Platoon blocked, %							3 312	2 212	-	-	2 212	-	-
Stage 1									-	-		-	-
Stage 2 964 857 - 617 595 -							1023	1104	_	_	1002	_	
Platoon blocked, %							_	-	-	-	-	_	-
Mov Cap-1 Maneuver 508 500 647 510 499 1023 1154 - - 1562 - - Mov Cap-2 Maneuver 508 500 - 510 499 - <td>•</td> <td>JU4</td> <td>001</td> <td></td> <td>017</td> <td>000</td> <td>_</td> <td></td> <td>_</td> <td>_</td> <td></td> <td>_</td> <td>_</td>	•	JU4	001		017	000	_		_	_		_	_
Mov Cap-2 Maneuver 508 500 - 510 499 - </td <td></td> <td>508</td> <td>500</td> <td>647</td> <td>510</td> <td>499</td> <td>1023</td> <td>1154</td> <td>_</td> <td>_</td> <td>1562</td> <td></td> <td>_</td>		508	500	647	510	499	1023	1154	_	_	1562		_
Stage 1 619 594 - 968 857 -							- 1020	- 107	_	_	- 1002	_	_
Stage 2 958 857 - 613 594 -	·						_	-	-	_	_	_	_
Approach EB WB NB SB HCM Control Delay, s 11.7 11 0 0.1 HCM LOS B B B Minor Lane/Major Mvmt NBL NBT NBR EBLn1WBLn1 SBL SBT SBR Capacity (veh/h) 1154 - - 547 621 1562 - - HCM Lane V/C Ratio - - 0.014 0.029 0.002 - - HCM Control Delay (s) 0 - - 11.7 11 7.3 0 - HCM Lane LOS A - B B A A -	_						_	_	_	_	_	_	_
HCM Control Delay, s 11.7		200	J		J. J	30 1							
HCM Control Delay, s 11.7	Annroach	ED			MD			ND			CD		
Minor Lane/Major Mvmt NBL NBT NBR EBLn1WBLn1 SBL SBT SBR Capacity (veh/h) 1154 - - 547 621 1562 - - HCM Lane V/C Ratio - - - 0.014 0.029 0.002 - - HCM Control Delay (s) 0 - - 11.7 11 7.3 0 - HCM Lane LOS A - B B A A -													
Minor Lane/Major Mvmt NBL NBT NBR EBLn1WBLn1 SBL SBT SBR Capacity (veh/h) 1154 - - 547 621 1562 - - HCM Lane V/C Ratio - - - 0.014 0.029 0.002 - - HCM Control Delay (s) 0 - - 11.7 11 7.3 0 - HCM Lane LOS A - B B A A -								U			0.1		
Capacity (veh/h) 1154 547 621 1562 HCM Lane V/C Ratio 0.014 0.029 0.002 HCM Control Delay (s) 0 11.7 11 7.3 0 - HCM Lane LOS A - B B A A -	HOM FOS	В			В								
Capacity (veh/h) 1154 547 621 1562 HCM Lane V/C Ratio 0.014 0.029 0.002 HCM Control Delay (s) 0 11.7 11 7.3 0 - HCM Lane LOS A - B B A A -													
HCM Lane V/C Ratio 0.014 0.029 0.002 HCM Control Delay (s) 0 11.7 11 7.3 0 - HCM Lane LOS A - B B A A -	Minor Lane/Major Mvm	nt		NBT	NBR				SBT	SBR			
HCM Control Delay (s) 0 11.7 11 7.3 0 - HCM Lane LOS A B B A A -			1154	-					-	-			
HCM Lane LOS A B B A A -				-	-					-			
				-	-					-			
HCM 95th %tile Q(veh) 0 0 0.1 0				-	-					-			
	HCM 95th %tile Q(veh)		0	-	-	0	0.1	0	-	-			

Intersection												
Int Delay, s/veh	0.6											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	LDL	4	LDI	1100	4	TIDIO	HUL	4	HOIL	ODL	4	OBIN
Traffic Vol, veh/h	5	0	2	2	0	4	3	348	4	6	42	5
Future Vol, veh/h	5	0	2	2	0	4	3	348	4	6	42	5
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	_	_	None	_	-	None
Storage Length	-	-	-	-	-	-	_	-	-	-	-	-
Veh in Median Storage	,# -	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	78	78	78	78	78	78	92	92	92	83	83	83
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	6	0	3	3	0	5	3	378	4	7	51	6
Major/Minor I	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	457	456	54	456	457	380	57	0	0	382	0	0
Stage 1	68	68	-	386	386	-	-	-	-	-	-	-
Stage 2	389	388	_	70	71	_	_	_	_	_	_	_
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	_	-	4.12	_	_
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	_	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	514	501	1013	515	500	667	1547	-	-	1176	-	-
Stage 1	942	838	-	637	610	-	-	-	-	-	-	-
Stage 2	635	609	-	940	836	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	507	497	1013	510	496	667	1547	-	-	1176	-	-
Mov Cap-2 Maneuver	507	497	-	510	496	-	-	-	-	-	-	-
Stage 1	940	833	-	636	609	-	-	-	-	-	-	-
Stage 2	629	608	-	932	831	-	-	-	-	-	-	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	11.2			11			0.1			0.9		
HCM LOS	В			В			J .,			3.0		
Minor Lane/Major Mvm	nt	NBL	NBT	NRR	EBLn1V	WRI n1	SBL	SBT	SBR			
Capacity (veh/h)	IC.	1547	-	-		605	1176	- 301	ODIN			
HCM Lane V/C Ratio		0.002	-		0.015			_	_			
HCM Control Delay (s)		7.3	0	<u>-</u>	11.2	11	8.1	0	_			
HCM Lane LOS		7.3 A	A	-	11.2 B	В	Α	A	_			
HCM 95th %tile Q(veh)	\	0			0	0	0		_			
TOW JOHN JOHN GUVEN		- 0			- 0	U	-					

Intersection												
Int Delay, s/veh	0.9											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		4			4			4			4	
Traffic Vol, veh/h	6	0	6	9	0	5	1	38	0	3	371	3
Future Vol, veh/h	6	0	6	9	0	5	1	38	0	3	371	3
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage	е,# -	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	78	78	78	78	78	78	78	78	78	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	8	0	8	12	0	6	1	49	0	3	403	3
Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	465	462	405	466	463	49	406	0	0	49	0	0
Stage 1	411	411	-	51	51	-	-	-	-	-	-	-
Stage 2	54	51	-	415	412	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	508	497	646	507	496	1020	1153	-	-	1558	-	-
Stage 1	618	595	-	962	852	-	-	-	-	-	-	-
Stage 2	958	852	-	615	594	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	503	496	646	500	495	1020	1153	-	-	1558	-	-
Mov Cap-2 Maneuver	503	496	-	500	495	-	-	-	-	-	-	-
Stage 1	617	594	-	961	851	-	-	-	-	-	-	-
Stage 2	951	851	-	606	593	-	-	-	-	-	-	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	11.5			11.1			0.2			0.1		
HCM LOS	В			В			V.=			V . 1		
200												
Minor Lane/Major Mvn	nt	NBL	NBT	NBR	EBLn1V	VBLn1	SBL	SBT	SBR			
Capacity (veh/h)		1153	-	-	566	611	1558	-	_			
HCM Lane V/C Ratio		0.001	-	-	0.027			-	-			
HCM Control Delay (s)		8.1	0	-	11.5	11.1	7.3	0	_			
HCM Lane LOS		Α	A	-	В	В	Α	A	-			
HCM 95th %tile Q(veh)	0	-	-	0.1	0.1	0	-	-			
.,	,											

Intersection						
Int Delay, s/veh	4.1					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	1>	LDIX	VVDL	4	Y	HUIT
Traffic Vol, veh/h	6	0	2	2	0	6
Future Vol, veh/h	6	0	2	2	0	6
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control RT Channelized	Free -	Free None	Free	Free None	Stop	Stop None
			-		-	None -
Storage Length	- 4 0	-	-	-	0	
Veh in Median Storage		-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	78	78	78	78	78	78
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	8	0	3	3	0	8
Major/Minor	Major1	ľ	Major2	- 1	Minor1	
Conflicting Flow All	0	0	8	0	17	8
Stage 1	_	_	_	_	8	-
Stage 2	_	_	_	_	9	_
Critical Hdwy	_	_	4.12	_	6.42	6.22
Critical Hdwy Stg 1	_	_	7.12		5.42	0.22
Critical Hdwy Stg 1			_	_	5.42	
	_	-	2.218	-	3.518	
Follow-up Hdwy		-	1612	_	1001	1074
Pot Cap-1 Maneuver	-	-	1012	-	1001	1074
Stage 1	-	-	-	-		-
Stage 2	-	-	-	-	1014	-
Platoon blocked, %	-	-	4040	-	000	4074
Mov Cap-1 Maneuver	-	-	1612	-	999	1074
Mov Cap-2 Maneuver	-	-	-	-	999	-
Stage 1	-	-	-	-	1015	-
Stage 2	-	-	-	-	1012	-
Approach	EB		WB		NB	
HCM Control Delay, s	0		3.6		8.4	
HCM LOS	U		0.0		Α	
110W LOO					Α.	
Minor Lane/Major Mvm	nt I	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)		1074	-		1612	-
HCM Lane V/C Ratio		0.007	-	-	0.002	-
HCM Control Delay (s)		8.4	-	-	7.2	0
HCM Lane LOS		Α	-	-	Α	Α
HCM 95th %tile Q(veh))	0	-	-	0	-

Int Delay, s/veh	Intersection												
Movement EBL EBT EBR WBL WBR WBR NBL NBT NBR SBL SBR SBR Lane Configurations Traffic Vol, veh/h 7 0 3 2 0 4 6 348 4 6 42 8 Future Vol, veh/h 7 0 3 2 0 0 4 6 348 4 6 42 8 Future Vol, veh/h 7 0 3 2 0 0 4 6 348 4 6 42 8 Future Vol, veh/h 7 0 3 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0.7											
Lane Configurations		ERI	ERT	EDD	\\/\DI	\/\/RT	\M/RD	NDI	NRT	NRD	QRI	CRT	SBD
Traffic Vol, veh/h		EDL		EDI	WDL		MDIZ	NDL		NDIX	SDL		SDIX
Future Vol, veh/h Conflicting Peds, #hr O O O O O O O O O O O O O O O O O O O		7		3	2		1	6		1	6		Q
Conflicting Peds, #/hr		•	_			-				-			
Sign Control Stop Free Free		•					•			-			
RT Channelized													
Storage Length											1166		
Veh in Median Storage, # - 0			_	TNOTIC			INOITE			INOIIE	_		INOITE
Grade, % - 0 - - 0 - - 0 - - 0 - - 0 - - 0 - - 0 - - 0 - - 0 - - 0 - - 0 - - 0 - - 0 - - 0 - - 0 - - 0 - - 0 - - 0 - 0 - - 0 - 0 - 0 - 0 - 0 0 - 0 0 - 0 0 - 0 0 - 0 0 0 - 0<			0	_			_			_			_
Peak Hour Factor	•	•	_						-				
Heavy Vehicles, % 2 2 2 2 2 2 2 2 2													83
Mymt Flow 9 0 4 3 0 5 7 378 4 7 51 10 Major/Minor Minor2 Minor1 Major1 Major2 Conflicting Flow All 467 466 56 466 469 380 61 0 0 382 0 0 Stage 1 70 70 - 394 394 - <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>													
Major/Minor Minor2 Minor1 Major1 Major2													
Conflicting Flow All				•				•	0.0	•	•		
Conflicting Flow All	Major/Minor	Minor			Minor			Majort			Majara		
Stage 1			400			400						^	^
Stage 2 397 396 - 72 75 - <											382		
Critical Hdwy 7.12 6.52 6.22 7.12 6.52 6.22 4.12 - 4.12 - - - - 4.12 -							-	-	-	-	-	-	-
Critical Hdwy Stg 1 6.12 5.52 - 6.12 5.52 -							6.00	4.40	-	-	1.10	-	-
Critical Hdwy Stg 2 6.12 5.52 - 6.12 5.52 - <t< td=""><td></td><td></td><td></td><td>0.22</td><td></td><td></td><td>0.22</td><td>4.12</td><td>-</td><td>-</td><td>4.12</td><td>-</td><td>-</td></t<>				0.22			0.22	4.12	-	-	4.12	-	-
Follow-up Hdwy 3.518 4.018 3.318 3.518 4.018 3.318 2.218 - 2.218 2.218 Pot Cap-1 Maneuver 506 494 1011 507 492 667 1542 - 1176 Stage 1 940 837 - 631 605				-			-	-	-	-	-	-	-
Pot Cap-1 Maneuver 506 494 1011 507 492 667 1542 - - 1176 - - Stage 1							2 210	2 212	-	-	2 212	-	-
Stage 1 940 837 - 631 605 -									-	_		-	_
Stage 2 629 604 - 938 833 -							007	1042	-	-	1170	-	-
Platoon blocked, %							-	-	-	-	-	-	-
Mov Cap-1 Maneuver 497 488 1011 500 486 667 1542 - - 1176 - - Mov Cap-2 Maneuver 497 488 - 500 486 - <td></td> <td>023</td> <td>004</td> <td>_</td> <td>330</td> <td>000</td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td>		023	004	_	330	000				_			
Mov Cap-2 Maneuver 497 488 - 500 486 - </td <td>· · · · · · · · · · · · · · · · · · ·</td> <td>497</td> <td>488</td> <td>1011</td> <td>500</td> <td>486</td> <td>667</td> <td>1542</td> <td>_</td> <td></td> <td>1176</td> <td></td> <td>_</td>	· · · · · · · · · · · · · · · · · · ·	497	488	1011	500	486	667	1542	_		1176		_
Stage 1 934 832 - 627 601 -	•						-	-	_	_	- 1170	_	_
Stage 2 620 600 - 929 828 -	·						_	_	_	_	_	_	_
Approach EB WB NB SB HCM Control Delay, s 11.3 11.1 0.1 0.9 HCM LOS B B B B Minor Lane/Major Mvmt NBL NBT NBR EBLn1WBLn1 SBL SBT SBR Capacity (veh/h) 1542 - - 586 600 1176 - - HCM Lane V/C Ratio 0.004 - - 0.022 0.013 0.006 - - HCM Control Delay (s) 7.3 0 - 11.3 11.1 8.1 0 - HCM Lane LOS A A - B B A A -	_						_	_	_	_	_	_	_
HCM Control Delay, s 11.3 11.1 0.1 0.9 HCM LOS B B Minor Lane/Major Mvmt NBL NBT NBR EBLn1WBLn1 SBL SBT SBR Capacity (veh/h) 1542 586 600 1176 HCM Lane V/C Ratio 0.004 0.022 0.013 0.006 HCM Control Delay (s) 7.3 0 - 11.3 11.1 8.1 0 - HCM Lane LOS A A - B B A A -	J. 10 2	320	300		320	320							
HCM Control Delay, s 11.3 11.1 0.1 0.9 HCM LOS B B Minor Lane/Major Mvmt NBL NBT NBR EBLn1WBLn1 SBL SBT SBR Capacity (veh/h) 1542 586 600 1176 HCM Lane V/C Ratio 0.004 0.022 0.013 0.006 HCM Control Delay (s) 7.3 0 - 11.3 11.1 8.1 0 - HCM Lane LOS A A - B B A A -	Annuach	ED			WD			ND			CD		
Minor Lane/Major Mvmt NBL NBT NBR EBLn1WBLn1 SBL SBT SBR Capacity (veh/h) 1542 - - 586 600 1176 - - HCM Lane V/C Ratio 0.004 - - 0.022 0.013 0.006 - - HCM Control Delay (s) 7.3 0 - 11.3 11.1 8.1 0 - HCM Lane LOS A A - B B A A -													
Minor Lane/Major Mvmt NBL NBT NBR EBLn1WBLn1 SBL SBT SBR Capacity (veh/h) 1542 - - 586 600 1176 - - HCM Lane V/C Ratio 0.004 - - 0.022 0.013 0.006 - - HCM Control Delay (s) 7.3 0 - 11.3 11.1 8.1 0 - HCM Lane LOS A A - B B A A -								0.1			0.9		
Capacity (veh/h) 1542 586 600 1176 HCM Lane V/C Ratio 0.004 0.022 0.013 0.006 HCM Control Delay (s) 7.3 0 - 11.3 11.1 8.1 0 - HCM Lane LOS A A - B B A A -	HOM FO2	В			В								
Capacity (veh/h) 1542 586 600 1176 HCM Lane V/C Ratio 0.004 0.022 0.013 0.006 HCM Control Delay (s) 7.3 0 - 11.3 11.1 8.1 0 - HCM Lane LOS A A - B B A A -													
HCM Lane V/C Ratio 0.004 - - 0.022 0.013 0.006 - - HCM Control Delay (s) 7.3 0 - 11.3 11.1 8.1 0 - HCM Lane LOS A A - B B A A -	Minor Lane/Major Mvm	nt	NBL	NBT	NBR	EBLn1V	VBLn1	SBL	SBT	SBR			
HCM Control Delay (s) 7.3 0 - 11.3 11.1 8.1 0 - HCM Lane LOS A A - B B A A -	, , ,			-					-	-			
HCM Lane LOS A A - B B A A -				-	-					-			
					-		11.1			-			
HCM 95th %tile Q(veh) 0 0.1 0 0				Α	-				Α	-			
	HCM 95th %tile Q(veh))	0	-	-	0.1	0	0	-	-			

Intersection						
Int Delay, s/veh	2.7					
	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	1		11.00	4	Y	, LOIN
Traffic Vol, veh/h	7	0	5	8	0	3
Future Vol, veh/h	7	0	5	8	0	3
Conflicting Peds, #/hr	0	0	0	0	0	0
	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	Stop -	None
Storage Length	_	NOHE -	-	-	0	NOITE
				0	0	-
Veh in Median Storage, 7		-	-			
Grade, %	0	70	-	0	0	- 70
Peak Hour Factor	78	78	78	78	78	78
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	9	0	6	10	0	4
Major/Minor Ma	ajor1	N	Major2	ľ	Minor1	
Conflicting Flow All	0	0	9	0	31	9
Stage 1	_	_	_	_	9	_
Stage 2	_	_	_	_	22	_
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	
Pot Cap-1 Maneuver	_		1611	_	983	1073
Stage 1	_	_	1011	_	1014	1073
Stage 2	_			_	1001	_
Platoon blocked, %	_	_	_	_	1001	-
Mov Cap-1 Maneuver		-	1611		979	1073
	-	-		-		1073
Mov Cap-2 Maneuver	-	-	-	-	979	-
Stage 1	-	-	-	-	1014	-
Stage 2	-	-	-	-	997	-
Approach	EB		WB		NB	
HCM Control Delay, s	0		2.8		8.4	
HCM LOS					A	
110111 200					,,	
Minor Lane/Major Mvmt	1	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)		1073	-		1611	-
HCM Lane V/C Ratio		0.004	-	-	0.004	-
HCM Control Delay (s)		8.4	-	-		0
HCM Lane LOS		Α	-	-	Α	Α
HCM 95th %tile Q(veh)		0	-	-	0	-

Intersection												
Int Delay, s/veh	1.2											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		4			4			4			4	
Traffic Vol, veh/h	15	0	5	13	0	15	1	350	5	6	725	5
Future Vol, veh/h	15	0	5	13	0	15	1	350	5	6	725	5
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage	e,# -	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	78	78	78	78	78	78	92	92	92	93	93	93
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	19	0	6	17	0	19	1	380	5	6	780	5
Major/Minor	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	1189	1182	783	1183	1182	383	785	0	0	385	0	0
Stage 1	795	795	-	385	385	-	-	-	-	_	-	-
Stage 2	394	387	-	798	797	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	_	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	165	190	394	166	190	664	834	-	-	1173	-	-
Stage 1	381	399	-	638	611	-	-	-	-	-	-	-
Stage 2	631	610	-	380	399	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	159	188	394	162	188	664	834	-	-	1173	-	-
Mov Cap-2 Maneuver	159	188	-	162	188	-	-	-	-	-	-	-
Stage 1	380	395	-	637	610	-	-	-	-	-	-	-
Stage 2	611	609	-	370	395	-	-	-	-	-	-	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	27.3			20.2			0			0.1		
HCM LOS	D			С								
Minor Lane/Major Mvm	nt	NBL	NBT	NBR	EBLn1V	VBLn1	SBL	SBT	SBR			
Capacity (veh/h)		834	-	-	187	272	1173	-	-			
HCM Lane V/C Ratio		0.001	_	-	0.137			-	-			
HCM Control Delay (s)		9.3	0	-	27.3	20.2	8.1	0	-			
HCM Lane LOS		A	A	-	D	С	A	A	-			
HCM 95th %tile Q(veh)	0	-	-	0.5	0.4	0	-	-			

Movement EBL EBT EBR WBL WBT WBR NBL NBT NBR SBL SBT SBR Lane Configurations ♣ ♠ <
Lane Configurations Image: Configuration of the confi
Lane Configurations Image: Configuration of the confi
Traffic Vol, veh/h 10 0 4 5 0 10 6 625 15 15 400 10 Future Vol, veh/h 10 0 4 5 0 10 6 625 15 15 400 10
Future Vol, veh/h 10 0 4 5 0 10 6 625 15 15 400 10
,
Sign Control Stop Stop Stop Stop Stop Stop Free Free Free Free Free Free
RT Channelized None None None
Storage Length
Veh in Median Storage, # - 0 0 0 -
Grade, % - 0 0 0 -
Peak Hour Factor 78 78 78 78 78 93 93 97 87 87
Heavy Vehicles, % 2 2 2 2 2 2 2 2 2 2 2 2 2
Mvmt Flow 13 0 5 6 0 13 6 672 16 17 460 11
Major/Minor Minor2 Minor1 Major1 Major2
Conflicting Flow All 1199 1200 466 1194 1197 680 471 0 0 688 0 0
Stage 1 500 500 - 692 692
Stage 2 699 700 - 502 505
Critical Hdwy 7.12 6.52 6.22 7.12 6.52 6.22 4.12 4.12
Critical Hdwy Stg 1 6.12 5.52 - 6.12 5.52
Critical Hdwy Stg 2 6.12 5.52 - 6.12 5.52
Follow-up Hdwy 3.518 4.018 3.318 4.018 3.318 2.218 2.218
Pot Cap-1 Maneuver 162 185 597 163 186 451 1091 906
Stage 1 553 543 - 434 445
Stage 2 430 441 - 552 540
Platoon blocked, %
Mov Cap-1 Maneuver 153 179 597 157 180 451 1091 906
Mov Cap-2 Maneuver 153 179 - 157 180
Stage 2 414 437 - 534 527
Approach EB WB NB SB
HCM Control Delay, s 25.4 18.9 0.1 0.3
HCM LOS D C
Minor Lane/Major Mvmt NBL NBT NBR EBLn1WBLn1 SBL SBT SBR
Capacity (veh/h) 1091 194 278 906
HCM Lane V/C Ratio 0.006 0.093 0.069 0.019
HCM Control Delay (s) 8.3 0 - 25.4 18.9 9.1 0 -
HCM Lane LOS A A - D C A A -
HCM 95th %tile Q(veh) 0 0.3 0.2 0.1

2041 Background PM
HCM 6th TWSC
Synchro 10 Report
JAB

JAB

Intersection												
Int Delay, s/veh	1.4											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		4			4			4			4	
Traffic Vol, veh/h	17	0	9	13	0	15	2	350	5	5	725	7
Future Vol, veh/h	17	0	9	13	0	15	2	350	5	5	725	7
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage	e,# -	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	78	78	78	78	78	78	92	92	92	93	93	93
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	22	0	12	17	0	19	2	380	5	5	780	8
Major/Minor	Minor2			Minor1			Major1			Major2		
		1183	784		1185	383	788	0	0	385	0	0
Conflicting Flow All	1190			1187		303	100		U	ატე		
Stage 1	794	794	-	387 800	387 798	-	-	-		-	-	-
Stage 2	396	389 6.52	6 22			6.00	4.12	-	-	4.12	-	-
Critical Hdwy	7.12		6.22	7.12 6.12	6.52	6.22	4.12	-		4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-		5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	2 240	6.12	5.52	2 240	2 240	-	-	2 240	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318		-	-	2.218	-	-
Pot Cap-1 Maneuver	165	189	393	165	189	664	831	-	-	1173	-	-
Stage 1	381	400	-	637	610	-	-	-	-	-	-	-
Stage 2	629	608	-	379	398	-	-	-	-	-	-	-
Platoon blocked, %	450	407	200	450	407	004	004	-	-	4470	-	-
Mov Cap-1 Maneuver	159	187	393	159	187	664	831	-	-	1173	-	-
Mov Cap-2 Maneuver	159	187	-	159	187	-	-	-	-	-	-	-
Stage 1	380	397	-	635	608	-	-	-	-	-	-	-
Stage 2	609	606	-	365	395	-	-	-	-	-	-	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	26.6			20.5			0.1			0.1		
HCM LOS	D			C								
3 = 0.0												
		NE	NIST	NDE	EDL (A/DL (051	057	055			
Minor Lane/Major Mvm	nt	NBL	NBT	NBR	EBLn1V		SBL	SBT	SBR			
Capacity (veh/h)		831	-	-	200	268	1173	-	-			
HCM Lane V/C Ratio		0.003	-	-	0.167	0.134	0.005	-	-			
HCM Control Delay (s)		9.3	0	-	26.6	20.5	8.1	0	-			
HCM Lane LOS		Α	Α	-	D	С	Α	Α	-			
HCM 95th %tile Q(veh		0	-	-	0.6	0.5	0	-	-			

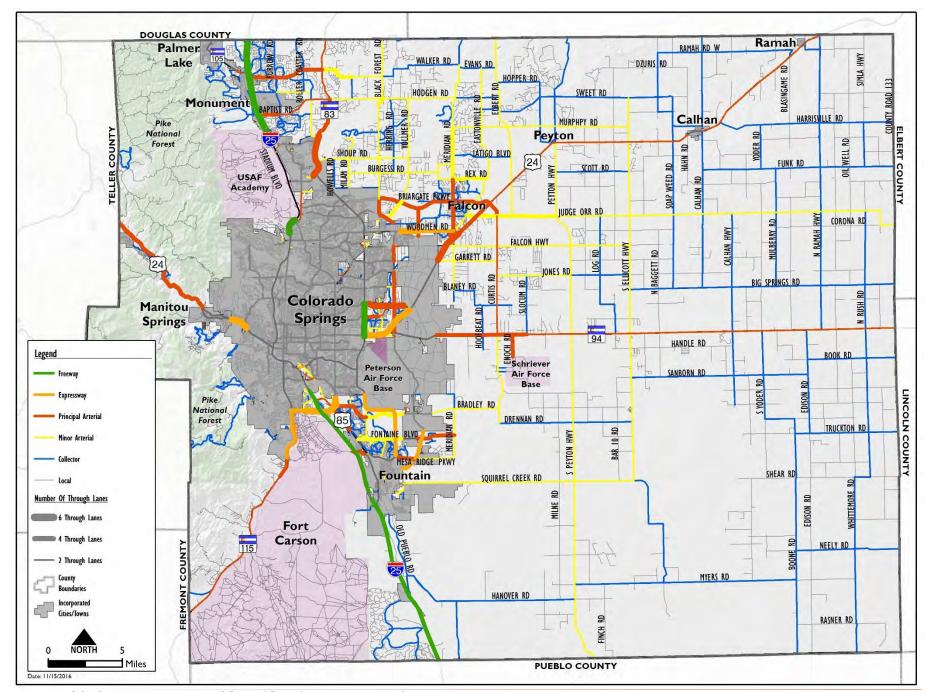
Intersection						
Int Delay, s/veh	1.9					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
		EBK	WBL			INBK
Lane Configurations	1	٥	0	4	Y	0
Traffic Vol, veh/h	20	0	2	7	0	6
Future Vol, veh/h	20	0	2	7	0	6
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage		-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	78	78	78	78	78	78
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	26	0	3	9	0	8
Major/Minor	Major1	ı	Major2	ı	Minor1	
Conflicting Flow All	0	0	26	0	41	26
Stage 1	-	-	-	-	26	-
Stage 2	-	_	_	-	15	_
Critical Hdwy		_	4.12	_	6.42	6.22
Critical Hdwy Stg 1	_	-	4.12	_	5.42	0.22
		-	_			-
Critical Hdwy Stg 2	-	-	-	-	5.42	-
Follow-up Hdwy	-		2.218	-	3.518	3.318
Pot Cap-1 Maneuver	-	-	1588	-	970	1050
Stage 1	-	-	-	-	997	-
Stage 2	-	-	-	-	1008	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1588	-	968	1050
Mov Cap-2 Maneuver	-	-	-	-	968	-
Stage 1	-	-	-	-	997	-
Stage 2	-	-	-	-	1006	-
Approach	EB		WB		NB	
	0		1.6		8.5	
HCM Control Delay, s HCM LOS	U		1.0		6.5 A	
I IOIVI LOS					А	
Minor Lane/Major Mvr	nt l	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)		1050	-	-	1588	-
HCM Lane V/C Ratio		0.007	-		0.002	-
HCM Control Delay (s)	8.5	-	-	7.3	0
HCM Lane LOS		Α	-	-	Α	Α
HCM 95th %tile Q(veh	1)	0	-	-	0	-

Intersection												
Int Delay, s/veh	0.9											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		4			4			4			4	
Traffic Vol, veh/h	12	0	5	5	0	10	8	625	15	15	400	13
Future Vol, veh/h	12	0	5	5	0	10	8	625	15	15	400	13
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0_0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage	e, # -	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	78	78	78	78	78	78	93	93	93	87	87	87
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	15	0	6	6	0	13	9	672	16	17	460	15
Major/Minor I	Minor2			Minor1			Major1			Major2		
Conflicting Flow All	1207	1208	468	1203	1207	680	475	0	0	688	0	0
Stage 1	502	502	-	698	698	-	-	-	-	-	-	-
Stage 2	705	706	-	505	509	-	-	-	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-	2.218	-	-
Pot Cap-1 Maneuver	160	183	595	161	183	451	1087	-	-	906	-	-
Stage 1	552	542	-	431	442	-	-	-	-	-	-	-
Stage 2	427	439	-	549	538	-	-	-	-	-	-	-
Platoon blocked, %								-	-		-	-
Mov Cap-1 Maneuver	151	176	595	155	176	451	1087	-	-	906	-	-
Mov Cap-2 Maneuver	151	176	-	155	176	-	-	-	-	-	-	-
Stage 1	545	528	-	425	436	-	-	-	-	-	-	-
Stage 2	409	433	-	529	524	-	-	-	-	-	-	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	26			19			0.1			0.3		
HCM LOS	D			С								
Minor Lane/Major Mvm	nt	NBL	NBT	NBR	EBLn1V	VBLn1	SBL	SBT	SBR			
Capacity (veh/h)		1087	-	-	193	276	906	_				
HCM Lane V/C Ratio		0.008	_	_	0.113		0.019	_	_			
HCM Control Delay (s)		8.3	0	-	26	19	9.1	0	-			
HCM Lane LOS		A	A	-	D	C	A	A	_			
HCM 95th %tile Q(veh))	0	-	-	0.4	0.2	0.1	-	-			
2 222. 700.0 4(1011)												

Intersection						
Int Delay, s/veh	2.1					
Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations	\$	LDIX	VVDL	₩ 4	₩.	NOI
	14	0		4	3	3
Traffic Vol, veh/h			5			
Future Vol, veh/h	14	0	5	16	3	3
Conflicting Peds, #/hr	0	0	0	0	0	0
•	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	-	-	0	-
Veh in Median Storage,		-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	78	78	78	78	78	78
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	18	0	6	21	4	4
Major/Minor M	lajor1	N	Major2	_	Minor1	
Conflicting Flow All	0	0	18	0	51	18
Stage 1	-	-	-	-	18	-
Stage 2	_	_	<u>-</u>	_	33	_
Critical Hdwy	_		4.12	_	6.42	6.22
Critical Hdwy Stg 1	-	_	4.12	-	5.42	0.22
		-	_	-	5.42	-
Critical Hdwy Stg 2	-	-	-	-		2 240
Follow-up Hdwy	-	-	2.218	-	3.518	
Pot Cap-1 Maneuver	-	-	1599	-	958	1061
Stage 1	-	-	-	-	1005	-
Stage 2	-	-	-	-	989	-
Platoon blocked, %	-	-		-		
Mov Cap-1 Maneuver	-	-	1599	-	954	1061
Mov Cap-2 Maneuver	-	-	-	-	954	-
Stage 1	-	-	-	-	1005	-
Stage 2	-	-	-	-	985	-
Approach	EB		WB		NB	
HCM Control Delay, s	0		1.7		8.6	
HCM LOS	U		1.7		Α	
TIOWI LOG					A	
Minor Lane/Major Mvmt	1	NBLn1	EBT	EBR	WBL	WBT
Capacity (veh/h)		1005	-	-	1599	-
HCM Lane V/C Ratio		0.008	-	-	0.004	-
HCM Control Delay (s)		8.6	-	-	7.3	0
HCM Lane LOS		Α	-	-	Α	Α
HCM 95th %tile Q(veh)		0	-	-	0	-
· ,						

MTCP Maps





Map 14: 2040 Roadway Plan (Classification and Lanes)



Map 15: Multimodal Improvements

