

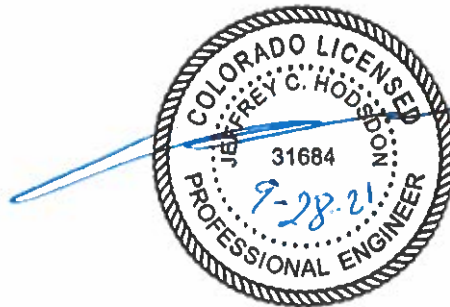


LSC TRANSPORTATION CONSULTANTS, INC.  
2504 East Pikes Peak Avenue, Suite 304  
Colorado Springs, CO 80909  
(719) 633-2868  
FAX (719) 633-5430  
E-mail: [lsc@lsctrans.com](mailto:lsc@lsctrans.com)  
Website: <http://www.lsctrans.com>

Falcon Meadows at Bent Grass  
Filing No. 1  
Updated Transportation Memorandum  
(LSC #S214330)  
September 28, 2021

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.



Developer's Statement

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

A handwritten signature in black ink, likely belonging to the Developer, is written over a horizontal line.

9/28/21  
Date

# **Falcon Meadows at Bent Grass**

## **Filing No. 1**

### **Updated Transportation Memorandum**

Prepared for:

Mr. Jim Byers

VP of Community Development

Challenger Homes

8605 Explorer Dr, Suite 250

Colorado Springs, CO 80920

**SEPTEMBER 28, 2021**

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LSC Transportation Consultants

Prepared by: Kirstin D. Ferrin, P.E.

Reviewed by: Jeffrey C. Hodsdon, P.E.

LSC #S214330



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Golden Sage Road and Woodmen Road Memorandum



**LSC TRANSPORTATION CONSULTANTS, INC.**  
2504 East Pikes Peak Avenue, Suite 304  
Colorado Springs, CO 80909  
(719) 633-2868  
FAX (719) 633-5430  
E-mail: [lsc@lsctrans.com](mailto:lsc@lsctrans.com)  
Website: <http://www.lsctrans.com>

September 28, 2021

Mr. Jim Byers  
VP of Community Development  
Challenger Homes  
8605 Explorer Dr, Suite 250  
Colorado Springs, CO 80920

RE: Falcon Meadows at Bent Grass  
Filing No. 1  
El Paso County, CO  
Updated Transportation Memorandum  
LSC #214330

Dear Mr. Byers,

LSC Transportation Consultants, Inc. has prepared this updated Transportation Memorandum for Falcon Meadows at Bent Grass Filing No. 1. The location of the site is shown in Figure 1. This report is intended as a site-specific, final-plat traffic report for the currently-proposed filing.

LSC recently completed a traffic impact study (TIS) for the Falcon Meadows at Bent Grass PUD (PUDSP-20-005). This report was dated December 11, 2020. The land use and access currently-proposed for Filing No. 1 is consistent with the land use and trip generation estimated and evaluated in that report. A copy of the PUD TIS has been attached.

## **LAND USE AND ACCESS**

### **Land Use**

Filing No. 1 is planned to include a total of 71 lots for single-family homes. The location of the lots to be included as part of currently-proposed Filing No. 1 was included in traffic analysis zone (TAZ) 8 in the PUD TIS.

### **Access**

Two full-movement access points are proposed to the recently completed section of Bent Grass Meadows Drive. Figure 2 shows the location of the access points.

## Sight Distance

Figure 3 shows a sight-distance analysis at the proposed access points to Bent Grass Meadows Drive. Based on a design speed of 40 miles per hour (mph) on Bent Grass Meadows Drive and the criteria contained in Table 2-21 of the *Engineering Criteria Manual (ECM)*, the required intersection sight distance at the proposed site-access points is 445 feet. The required stopping sight distance from *ECM* Table 2-17 is also shown in the figure. The required intersection sight distance and stopping sight distance can be met at both intersections, if the areas between the sight distance lines and the curb line have low-level landscaping and are kept free of other obstructions (such as monument signs and parking areas) that would restrict the drivers' line of sight. Landscaping should be low — about 18 inches or lower in height — to the east of the passenger-vehicle lines of sight shown. Please refer to *ECM* Sections 2.3.6.G.1 and 2.

## Pedestrian and Bicycle Facilities

- Woodmen & Meridian are shown as proposed bike routes on the *Major Transportation Corridors Plan (MTCP) Non-Motorized Plan*. Also shown is a proposed secondary regional trail west of the site.
- Bent Grass Meadows Drive is sufficiently wide for bicycles with the paved shoulder.
- There are developing pedestrian connections along the north side of the Woodmen North Frontage Road, Bent Grass Meadows Drive, and Meridian Park Drive. Other area sections of sidewalk/trail connections are being added as development occurs.
- Sidewalks have been added along Bent Grass Meadows Drive with the connection south to the frontage road, adjacent to the School District 49 headquarters.
- The subdivision streets will all have sidewalks to connect to the sidewalk along Bent Grass Meadows Drive

## TRIP GENERATION

The site-generated vehicle trips were estimated using the nationally published trip-generation rates from *Trip Generation, 10th Edition, 2017* by the Institute of Transportation Engineers (ITE). Table 1 shows the trip-generation estimates for Falcon Meadows at Bent Grass Filing No. 1.

Falcon Meadows at Bent Grass Filing No. 1 is expected to generate about 670 vehicle trips on the average weekday, with about half entering and half exiting the site during a 24-hour period. During the morning peak hour, which generally occurs for one hour between 6:30 a.m. and 8:30 a.m., about 13 vehicles would enter and 39 vehicles would exit the site. During the afternoon peak hour, which generally occurs for one hour between 4:15 p.m. and 6:15 p.m., about 44 vehicles would enter and 26 vehicles would exit the site.

## **TRIP GENERATION**

Figure 4 shows the projected traffic volumes at the intersection of Woodmen/Golden Sage due to Falcon Meadows at Bent Grass Filing No. 1. These volumes were calculated by applying the external trip-distribution percentages shown in Figure 7 of the PUD TIS to the trip generation shown in Table 1. Trips with destinations and/or origins within the area bound by Woodmen Road on the south and Meridian Road on the east have been assigned separately, based on the location of the future commercial and school uses within the study area.

## **SHORT-TERM AND 2040 TOTAL TRAFFIC**

Please refer to the PUD TIS for the short-term and 2040-total traffic volumes and level of service analysis.

## **REQUIRED IMPROVEMENTS**

Please see a copy of Table 4 Roadway System Improvements from PUD TIS with annotations added in March 2021 and updated in July and September 2021 indicating the status of each improvement.

Regarding Improvement F, note that Bent Grass Meadows Drive has been completed between the Woodmen frontage road and Meridian Road since completion of the PUD TIS. This improvement is likely currently warranted. Please refer to the table for notes added September 2021.

Regarding Improvement G, please see the attached transportation memorandum dated December 30, 2020 which provides a warrant analysis for a protected eastbound left-turn signal phase at the intersection of Woodmen Road/Golden Sage Drive. It is our understanding that control of the intersection of Golden Sage/Woodmen is being transferred to the City of Colorado Springs as part of Banning Lewis Ranch North Annexation (CPC A 19-00022) and that the timing of this improvement is currently under discussion.

Table 2 shows the percentage of the projected 2040 total traffic due to Falcon Meadows at Bent Grass Filing No 1 for Improvements H, I, and J. These percentages could be used to determine the pro-rata share of the cost of intersection improvements. However, it should be noted that our understanding is that control over the intersection of Golden Sage/Woodmen is being transferred to the City of Colorado Springs as part of the Banning Lewis Ranch North Annexation (CPC A 19-00022).

## **ROADWAY CLASSIFICATIONS**

Figure 5 shows the recommended internal street classifications.

**ROAD IMPROVEMENT FEE PROGRAM**

Falcon Meadows at Bent Grass West Ranch Filing No. 1 will not be required to participate in the Countywide Transportation Improvement Fee Program, as the site is located within the Woodmen Road Metropolitan District boundary.

\* \* \* \* \*

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:KDF:jas

Enclosures: Tables 1-2  
Figures 1-5  
Table 4 from *Falcon Meadows at Bent Grass Updated Traffic Impact Study*  
Golden Sage Road and Woodmen Road Memorandum

# Tables

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**Table 1**  
**Trip Generation Estimate**  
**Falcon Meadows at Bent Grass Filing No. 1**

Land Use Code	Land Use Description	Trip Generation Units	Trip Generation Rates <sup>(1)</sup>						Total Trips Generated			
			Average Weekday Traffic	Morning Peak Hour		Afternoon Peak Hour		Average Weekday Traffic	Morning Peak Hour		Afternoon Peak Hour	
				In	Out	In	Out		In	Out	In	Out
210	Single-Family Detached Housing	71 DU <sup>(2)</sup>	9.44	0.19	0.56	0.62	0.37	670	13	39	44	26
Notes: (1) Source: "Trip Generation, 10th Edition, 2017" by the Institute of Transportation Engineers (ITE) (2) DU = dwelling unit												
Source: LSC Transportation Consultants, Inc.												Mar-21

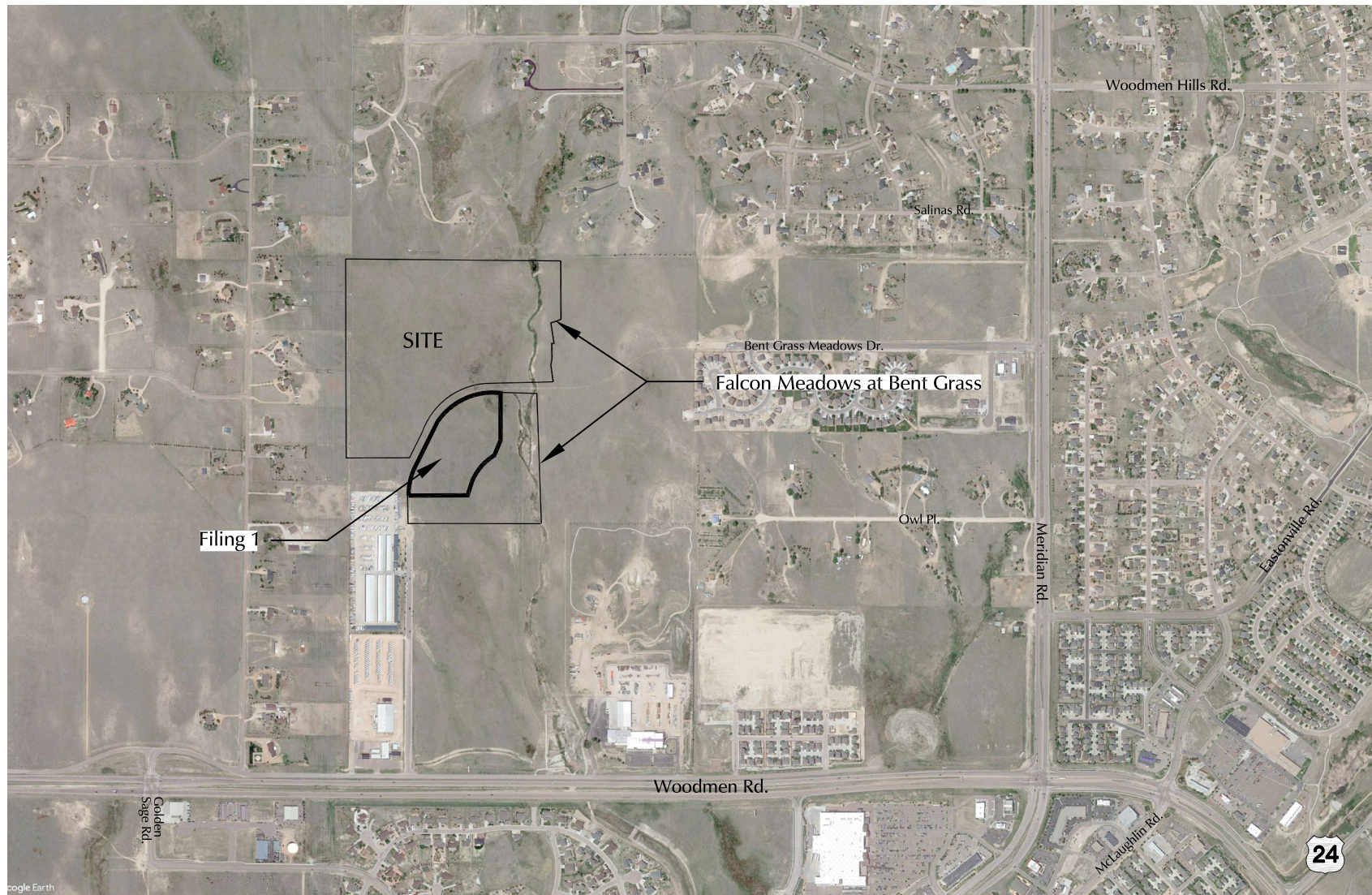
September 2021 Note: The improvements and fair shares are to be verified with an updated traffic impact analysis or memorandum as appropriate with each final plat in the Falcon Meadows at Bent Grass development. An escrow agreement, including a financial assurance estimate for the intersection improvements, as approved by the Planning and Community Development Department Director and the County Attorney's Office shall be completed and escrow deposited with each final plat for the respective improvements **within the County's jurisdiction.**

It should be noted that our understanding is that control over the intersection of Golden Sage/Woodmen is being transferred to the City of Colorado Springs as part of the Banning Lewis Ranch North Annexation (CPC A 19-00022).

Table 2						
Prorata Share Contribution Calculations						
Falcon Meadows at Bent Grass Filing No. 1						
Item	Improvement Description and Estimated Cost		AM	PM	AM + PM	
H	Lengthening of the current eastbound single left-turn deceleration lane on Woodmen approaching Golden Sage Road		Site-Generated Traffic <sup>(1)</sup> (vehicles per hour)	4	20	24
			2040 Total Traffic <sup>(1)</sup> (vehicles per hour)	319	447	766
			%	1.25%	4.47%	3.13%
	Estimated Improvement Cost:	\$ 200,000	Estimated Fair-Share Portion for this project based on calculated AM + PM percentage:	\$ 6,266		
I	Southbound exclusive right-turn lane on Golden Sage Road approaching Woodmen Road		Site-Generated Traffic <sup>(2)</sup> (vehicles per hour)	15	12	27
			2040 Total Traffic <sup>(2)</sup> (vehicles per hour)	392	391	783
			%	3.83%	3.07%	3.45%
	Estimated Improvement Cost:	\$ 100,000	Estimated Fair-Share Portion for this project based on calculated AM + PM percentage:	\$ 3,448		
J	Signalization of Golden Sage Road/Woodmen Frontage Road or reconstruction as a modern roundabout; Future additional laneage may be necessary at this intersection to accommodate vehicle queues and for traffic operations.		Site-Generated Traffic <sup>(3)</sup> (vehicles per hour)	19	32	51
			2040 Total Traffic <sup>(3)</sup> (vehicles per hour)	979	1183	2162
			%	1.94%	2.70%	2.36%
	Estimated Improvement Cost:	\$ 350,000	Estimated Fair-Share Portion for this project based on calculated AM + PM percentage:	\$ 8,256		
Notes: (1) Eastbound left-turn volume at the intersection of Woodmen/Golden Sage (2) Southbound right-turn volume at the intersection of Woodmen/Golden Sage (3) Sum of all traffic volumes at the intersection of Golden Sage/Woodmen frontage road						
Source: LSC Transportation Consultants, Inc.					Jul-21	

# Figures

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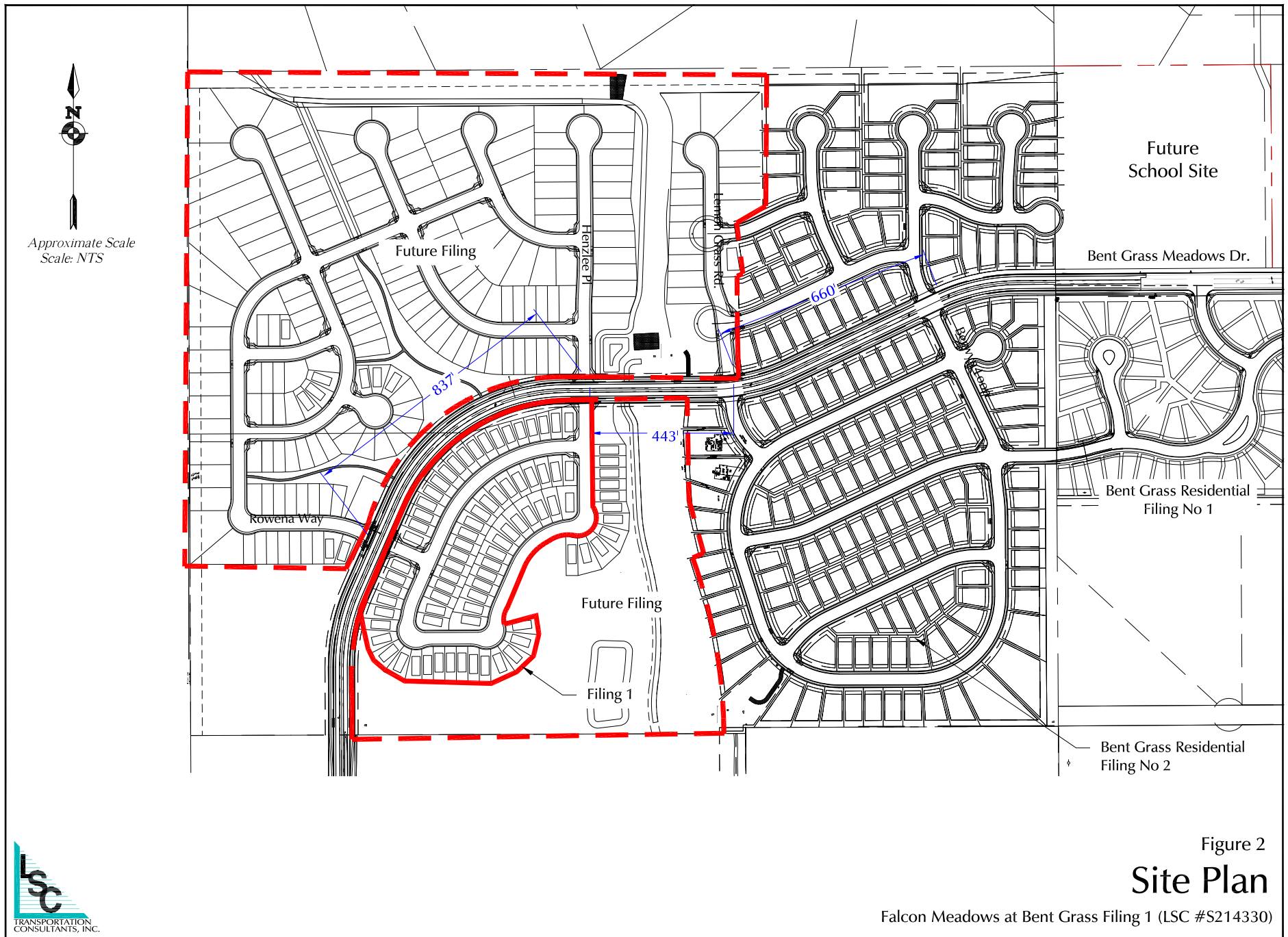
Approximate Scale  
Scale: 1"= 1,200'

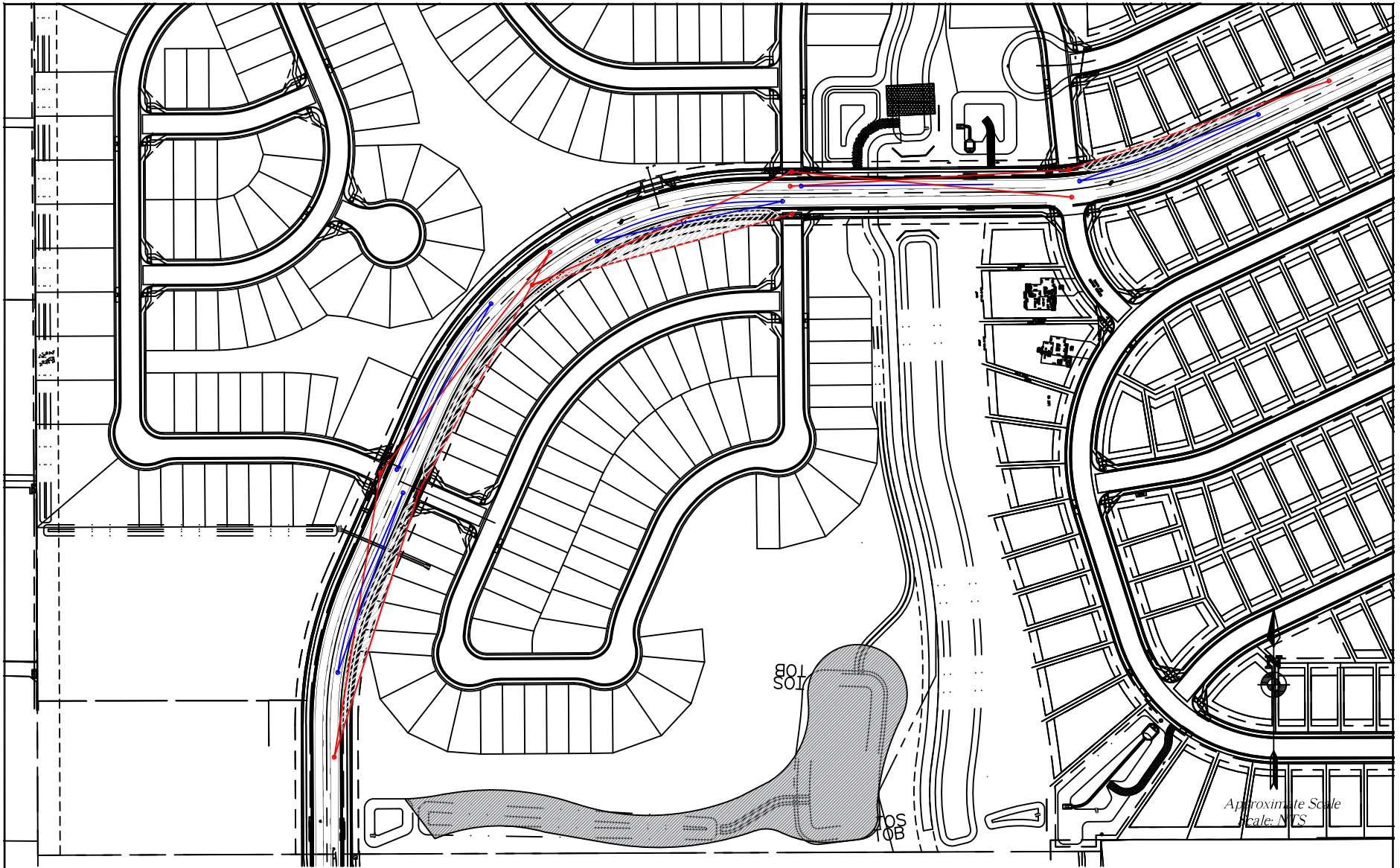
Figure 1

## Vicinity Map

Falcon Meadows at Bent Grass (LSC #204420)







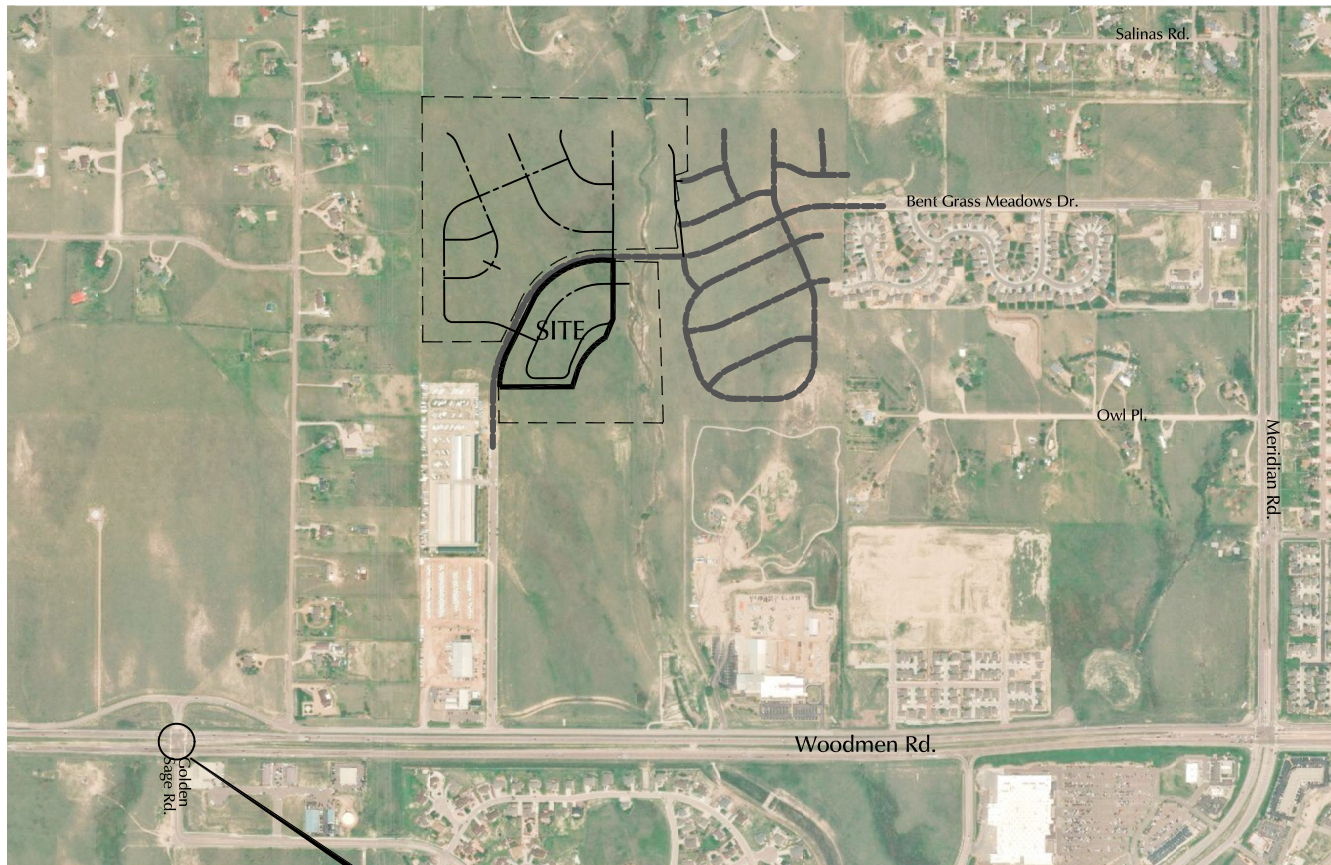
LEGEND:

- = ECM Required Intersection Sight Distance (445' based on design speed of 40mph from Table 2-21)
- ←←← = ECM Required Stopping Sight Distance Travel Path (305' based on design speed of 40mph from Table 2-17)
- = Stopping Sight Distance Sight Line
- /// = Area must be kept clear of obstructions to intersection distance line of sight.



Figure 3  
**Sight Distance**

Falcon Meadows at Bent Grass Filing 1 (LSC #S214330)



Approximate Scale  
Scale: 1" = 1,200'

LEGEND:

$\frac{XX}{XX} = \frac{\text{AM Weekday Peak-Hour Traffic (vehicles per hour)}}{\text{PM Weekday Peak-Hour Traffic (vehicles per hour)}}$

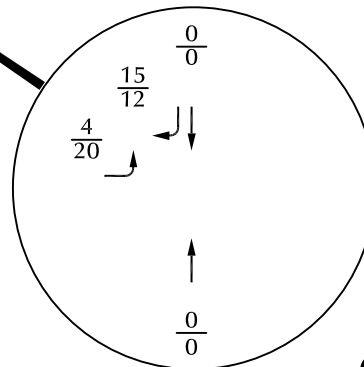


Figure 4

## Long-Term Assignment of Filing No. 1 Generated Traffic

Falcon Meadows at Bent Grass (LSC #204420)



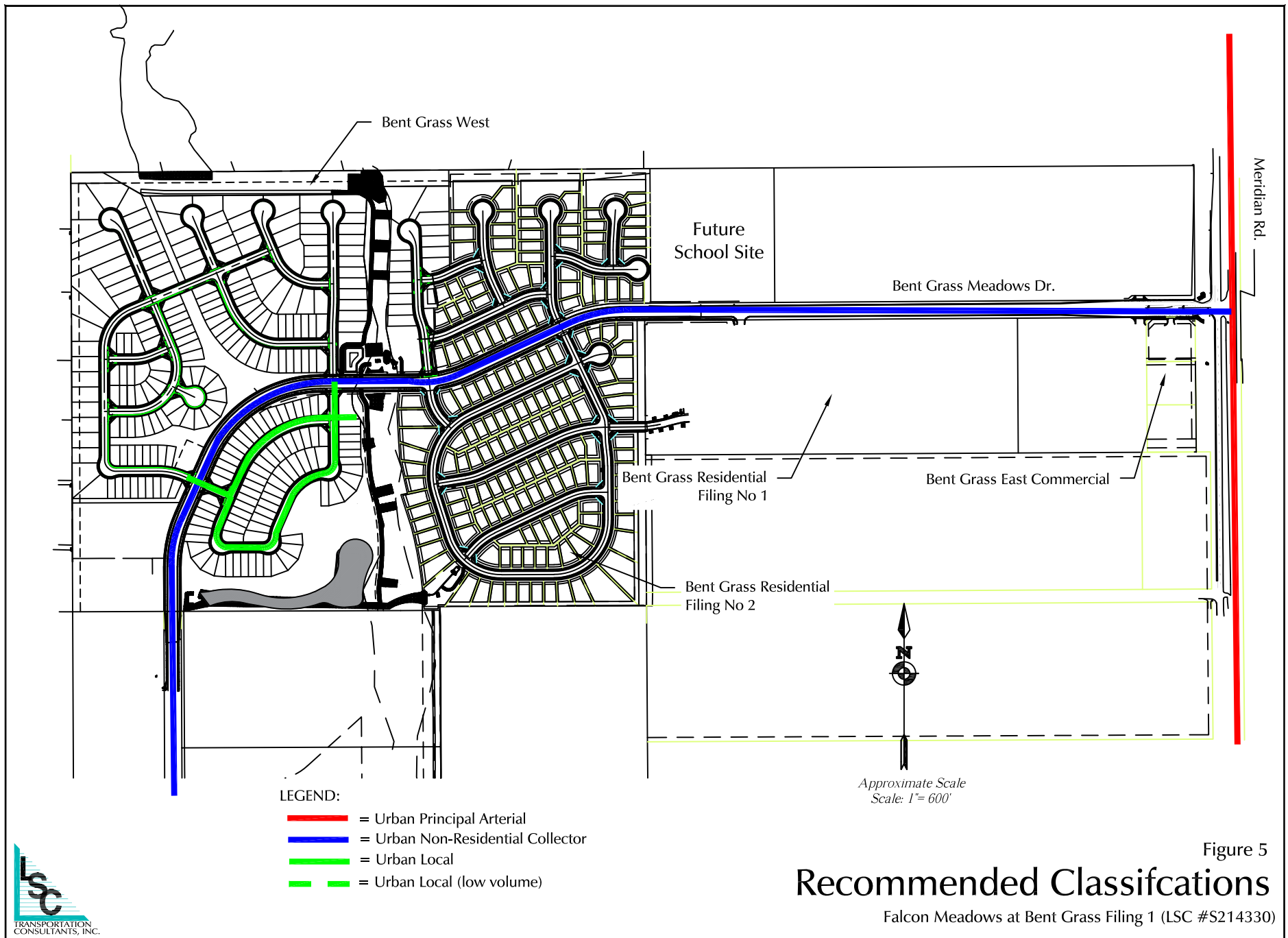


Figure 5  
**Recommended Classifications**  
 Falcon Meadows at Bent Grass Filing 1 (LSC #S214330)



## Additional Attachments

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Table 4 from *Falcon Meadows at Bent Grass Updated Traffic Impact Study*

Taken from the *Falcon Meadows at Bent Grass Updated Traffic Impact Study* December 11, 2020 with Updates added in July 2021 and September 2021

Table 4  
Roadway System Improvements  
Falcon Meadows at Bent Grass

Description		Trigger	Timing	Responsibility
Meridian Road/Bent Grass Meadows Road				
A	Signalize Meridian/Bent Grass Meadows	Remove existing stop-sign and replace with traffic signal control.	When warrant(s) are met -- 2 of the 3 conditions of the "Crash Experience" warrant are currently met. The current number of reported crashes (susceptible to correction with a signal) exceeds the threshold as do the associated traffic volume thresholds.	Bent Grass Metro District
B	Right-turn acceleration lane on Meridian at Bent Grass Meadows	ECM criteria indicates the acceleration lane would need to be 960 feet long plus a 222-foot taper based on the design speed of 60 mph. Note that Owl Lane is located approximately 925 feet south of Bent Grass Meadows Drive. Therefore, the lane would be a continuous acceleration/deceleration lane between Bent Grass Meadows Drive and Owl Lane.	ECM criteria has been exceeded. A deviation was previously approved waiving this requirement with the development of Bent Grass Residential Filing 1 and Bent Grass East Commercial Filing 2A. Additional development will either require the submittal and approval of a new deviation or construction of this improvement. (Notes: The installation of the traffic signal will regularly stop southbound traffic allowing eastbound right turns to enter southbound Meridian Road without an acceleration lane. The LOS analysis indicates significant improvement of the LOS with the signal. The crash data does not indicate a safety issue with the current eastbound right movement without the accel lane. Several costly improvements may be needed to build the accel lane -- including burying the overhead power lines south to Owl Place, reconstructing the ditch section along the west side of Meridian Road, and reworking the radius at Meridian Road. This intersection is similar to the Meridian/Woodmen Hills, Meridian/Stapleton, and Meridian/Londonderry intersections to the north in that [for "to the extent that"] southbound right acceleration lanes have not been added. If the County ultimately wants a raised right-turn island on this southwest corner of the Bent Grass Meadows/Meridian Road intersection in conjunction with an accel lane, this would likely need to be accomplished later with the overall widening of Bent Grass Meadows just west of Meridian Road.	Bent Grass Metro District
C	Construct Bent Grass Meadows Drive between the existing sections located north of the Woodmen frontage road and west of Meridian Road	Construct Bent Grass Meadows Drive as a Non-Residential Collector	With any development west of Bent Grass Residential Filing No. 1	Bent Grass Metro District
D	Restrict westbound left-turn at 7-Eleven access	Remove the existing curb cut.	When the eastbound left-turn volume exceeds 25 vehicles per hour	Bent Grass Metro District
E	Close 7-Eleven Access	Remove the existing curb cut.	When the eastbound left-turn volume exceeds 25 vehicles per hour	Bent Grass Metro District
F	Eastbound left-turn lane on Woodmen frontage road approaching Bent Grass Meadows Dr.	ECM criteria indicates the left-turn lane would need to be 315 feet long (155 feet of deceleration length plus 160 feet of storage length) plus a 160-foot taper based on the design speed of 40 mph.	When the eastbound left-turn volume exceeds 25 vehicles per hour	Bent Grass Metro District
Woodmen/Golden Sage				
G	Add protected/permitted phasing for left-turn movements	Prepare a traffic signal modification plan and furnish/install new traffic signal heads for protected-permissive phasing and other necessary hardware, software needed to implement this phase; modify existing signal timing plan.	If/when needed to maintain acceptable level of service/traffic operations and/or to control vehicle queues.	Bent Grass Metro District
H	Lengthening of the current eastbound single left-turn deceleration lane on Woodmen approaching Golden Sage Road	Provide a 240-foot transition taper (20:1 taper ratio), 290 feet of deceleration distance plus sufficient vehicle stacking distance. CURRENT: 175-foot taper plus a 465-foot left-turn lane which translates to a 175-foot taper, 290-foot deceleration distance, and 175 feet of stacking distance. SHORT TERM: Adequate stacking is available in the current turn lane - calculated queue length 204 feet. LONG TERM: Lengthen single left-turn lane and/or future implementation of dual left-turn lanes (if capacity needs dictate). If a dual left is implemented in the future, consideration will need to be given to the configuration on Golden Sage and at the Golden Sage/Woodmen Frontage Road intersection to receive the dual left-turn movement.	The estimated "trigger" of 40 PM peak hour eastbound left turns above the estimated short term total volume (from Figure 16a of the TIS) approximately translates to and additional 589 directional ADT for residential trips making this turning movement (based on the ITE single family trip ratio). This estimated threshold may be reached with a combination of site-generated trips and background trips.	Bent Grass Metro District
I	Southbound exclusive right-turn lane on Golden Sage Road approaching Woodmen Road	A continuous right-turn lane within the 150 feet between the Woodmen Frontage Road and Woodmen Road	The estimated "trigger" of 5-30 AM peak hour southbound right turns above the estimated short term total volume (from Figure 16a of the Falcon Marketplace TIS) approximately translates to an additional 85-510 directional ADT for residential trips making this turning movement (based on the ITE single family trip ratio). This estimated threshold may be reached with a combination of site-generated trips and background trips.	Bent Grass Metro District
J	Signalization of Golden Sage Road/Woodmen Frontage Road or reconstruction as a modern roundabout; Future additional laneage may be necessary at this intersection to accommodate vehicle queues and for traffic operations.	Remove existing stop-signs and replace with traffic signal control or reconstruct as modern roundabout	If/when needed to maintain acceptable level of service/traffic operations and/or to control vehicle queues.	Bent Grass Metro District
Notes:	*Note: It is our understanding that the specifics of the district participation will need to be included in the SIA/ revised development agreement to be completed and finalized prior to the development of lots beyond the initial 49 lots. If for some reason the District is unable or unwilling to participate, or if determination by the district is delayed, the applicant would be responsible. In this case, an escrow agreement between the applicant and the County would be prepared and finalized). We understand that staff would like for that the applicant to understand the estimated/approximate costs associated with their fair share of future improvements at Golden Sage/Woodmen. LSC will provide preliminary fair share cost estimates utilizing available information from the Falcon Marketplace SIA. This will be provided by March 31st to the applicant and staff.			

(1) See Table 5 for pro-rata percentage calculations  
Source: LSC Transportation Consultants, Inc. (December 2020)

## Additional Attachments

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Golden Sage Road and Woodmen Road Memorandum





LSC TRANSPORTATION CONSULTANTS, INC.  
2504 East Pikes Peak Avenue, Suite 304  
Colorado Springs, CO 80909  
(719) 633-2868  
FAX (719) 633-5430  
E-mail: [lsc@lsctrans.com](mailto:lsc@lsctrans.com)  
Website: <http://www.lsctrans.com>

## MEMORANDUM

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DATE: December 30, 2020

TO: Jeff Rice, P.E.

CC: Jim Byers

FROM: Jeffrey C. Hodsdon, P.E.

SUBJECT: Golden Sage Road and Woodmen Road  
LSC #194460

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This memorandum contains the following:

- The results of manual intersection turning movement counts at the intersection of Golden Sage Road and Woodmen Road in January and December 2020;
- A warrant analysis for the addition of a protected phase for the eastbound left-turn movement at the intersection of Golden Sage Road and Woodmen Road;

### Existing Traffic Volumes

LSC Transportation Consultants, Inc conducted manual intersection turning-movement counts at the intersection of Woodmen/Golden Sage in January 2020 and again in December 2020. Note that the January 2020 counts were conducted prior to the completion of Bent Grass Meadows Drive between the Woodmen frontage road and Meridian Road, but before effects of the COVID-19 pandemic. The December 2020 counts were conducted following the completion of Bent Grass Meadows Drive between the Woodmen frontage road and Meridian Road, but during the COVID-19 pandemic. The traffic count reports are attached.

## Left Turn Phase Analysis

The intersection of Golden Sage Road and Woodmen Road is currently traffic-signal controlled. The existing signal timing plan has two phases, namely a northbound/southbound phase and an eastbound/westbound phase with no protected phasing for any of the left-turn movements. LSC has analyzed the need to add an additional protected phase for the eastbound left-turn movement based on the criteria found in Exhibit 11-6 from the Federal Highway Administration Report *Signalized Intersections: Informational Guide* Publication Number: FHWA-SA-13-027 dated July 2013 copied below with our analysis.

### Exhibit 11-6 Guidelines for use of left-turn phasing

*Left-turn phasing (protected-permissive, permissive-protected, or protected-only) should be considered if any one of the following criteria is satisfied:*

1. *A minimum of 2 left-turning vehicles per cycle and the product of opposing and left-turn hourly volumes exceeds the appropriate following value:*
  - a. *Random arrivals (no other traffic signals within 0.8 km (0.5 mi))*  
*One opposing lane: 45,000 Two opposing lanes: 90,000*
  - b. *Platoon arrivals (other traffic signals within 0.8 km (0.5 mi))*  
*One opposing lane: 50,000 Two opposing lanes: 100,000*

Table 1 shows the results of the analysis based on criterion “b” Platoon arrivals with two opposing lanes. As shown in Table 1, the existing traffic volumes do not currently meet this criterion. This criterion is projected to be met following buildout of Bent Grass Residential Filing No. 2, based on the January 2020 afternoon peak-hour traffic volumes but not the December 2020 afternoon peak-hour traffic volumes. Following buildout of both Bent Grass Residential Filing No. 2 and Falcon Meadows at Bent Grass, the criterion is projected to be met based on the January 2020 existing afternoon peak-hour traffic volumes and based on both the January and December 2020 existing morning peak-hour traffic volumes. The analysis assumes **no** growth of through traffic on Woodmen Road and **no** additional traffic on Golden Sage Road due to any other future area developments. The known projects in the area that could potentially add traffic to this intersection in the short-term include the initial phase of Banning Lewis Ranch North located northeast of the intersection of Golden Sage Road/Woodmen Road, buildout of the Bent Grass East Commercial development located southwest of the intersection of Meridian Road/Bent Grass Meadows Drive, and Falcon Marketplace located northwest of the intersection of Woodmen Road/Meridian Road. Development of any of these projects or increases in through traffic on Woodmen Road could potentially trigger the need for an eastbound left-turn protected phase prior to buildout of Bent Grass Residential 2.

2. *The left-turning movement crosses 3 or more lanes of opposing through traffic.*

This criterion is not currently applicable to the intersection of Golden Sage/Woodmen.

3. *The posted speed of opposing traffic exceeds 45 mph.*

**This criterion is currently met.**

4. *Recent crash history for a 12-month period indicates 5 or more left-turn collisions that could be prevented by the installation of left-turn signals.*

The Colorado State Patrol (CSP) provided LSC with crash history data for the intersection of Woodmen Road and Golden Sage Road from 2017 through 2020. During the reported time period there was one left-turn collision that could potentially have been prevented by installation of left-turn signals. Based on this data, criterion 4 is not currently met. The crash history data has been attached.

5. *Sight distances to oncoming traffic are less than the minimum distances in Exhibit 11-7.*

This criterion is not applicable to the intersection of Golden Sage/Woodmen.

6. *The intersection has unusual geometric configurations, such as five legs, when an analysis indicates that left-turn or other special traffic-signal phases would be appropriate to provide positive direction to the motorist.*

This criterion is not applicable to the intersection of Golden Sage/Woodmen.

7. *An opposing left-turn approach has a left-turn signal or meets one or more of the criteria in this table.*

This criterion is not currently applicable to the intersection of Golden Sage/Woodmen.

8. *An engineering study indicates a need for left-turn signals. Items that may be considered include, but are not necessarily limited to, pedestrian volumes, traffic-signal progression, freeway interchange design, maneuverability of particular classes of vehicles, and operational requirements unique to preemption systems.*

As criterion 1b is projected to be met in the short-term and criterion 3 is currently met, an additional engineering study was not completed at this time. Note: should a study be requested, a key component of that study would likely include analysis of the "maneuverability of particular classes of vehicles" (i.e., school buses) due to the location of the Academy School District 20 Transportation Department just northeast of the study intersection and would therefore need to be delayed until the district returns to in-person instruction and regular bus service is resumed so that field observations could be conducted.

\* \* \* \* \*

Attachments: Table 1  
Traffic Count Data  
Crash History Data

## Table 1

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**Table 1**  
**Left-Turn Signal Phase Warrant Analysis**  
**Golden Sage Road/Woodmen Road**  
**Bent Grass Residential Filing No. 2**

Date	Time	Existing Traffic Volumes <sup>(1)</sup>					Following Buildout of Bent Grass Residential Filing No. 2				Following Buildout of Falcon Meadows at Bent Grass			
		Eastbound Left-Turn Volume (vph)	Westbound Through and Right-Turn (vph)	Product	Threshold <sup>(3)</sup>	Met?	Projected Additional Eastbound Left-Turn Traffic <sup>(3)</sup>	Product	Threshold	Met?	Projected Additional Eastbound Left-Turn Traffic <sup>(4)</sup>	Product	Threshold	Met?
1/21/2020	6:45 AM - 7:45 AM	47	1,558	73,226	100,000	NO	12	91,922	100,000	NO	25	130,872	100,000	YES
1/21/2020	4:45 PM - 5:45 PM	88	942	82,896	100,000	NO	52	131,880	100,000	YES	83	210,066	100,000	YES
12/8/2020	7:15 AM - 8:15 AM	41	1,063	43,583	100,000	NO	12	56,339	100,000	NO	25	82,914	100,000	NO
12/3/2020	4:45 PM - 5:45 PM	60	868	52,080	100,000	NO	52	97,216	100,000	NO	83	169,260	100,000	YES

**Notes:**

- (1) Based on manual turning movement counts by LSC in January and December 2020. The January 2020 counts were conducted prior to the completion of Bent Grass Meadows Drive between the Woodmen frontage road and Meridian Road, but before impacts of the COVID-19 pandemic. The December 2020 counts were conducted following the completion of Bent Grass Meadows Drive between the Woodmen frontage road and Meridian Road, but during the COVID-19 pandemic.
- (2) Based on the criteria contained in Exhibit 11-6 from the Federal Highway Administration Report *Signalized Intersections: Informational Guide* Publication Number: FHWA-SA-13-027 dated July 2013
- (3) Taken from Figure 7 of the *Bent Grass Residential Filing No. 2 Traffic Impact Analysis* dated April 17, 2020
- (4) Taken from Figure 8 of the *Falcon Meadows at Bent Grass Updated Traffic Impact Analysis* dated December 11, 2020

Source: LSC Transportation Consultants, Inc.

Dec-20



# Traffic Counts

---

# LSC Transportation Consultants, Inc.

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

File Name : Golden Sage Rd - Woodmen Rd AM 1-20

Site Code : 00194460

Start Date : 1/21/2020

Page No : 1

## Groups Printed- Unshifted

	Golden Sage Rd Southbound					Woodmen Rd Westbound					Golden Sage Rd Northbound					Woodmen Rd Eastbound					
Start Time	Left	Through	Right	Peds	App. Total	Left	Through	Right	Peds	App. Total	Left	Through	Right	Peds	App. Total	Left	Through	Right	Peds	App. Total	Int. Total
06:30 AM	5	1	25	0	31	0	195	48	1	244	20	2	0	0	22	10	107	0	0	117	414
06:45 AM	12	5	28	0	45	4	355	30	0	389	24	4	0	0	28	14	151	9	0	174	636
Total	17	6	53	0	76	4	550	78	1	633	44	6	0	0	50	24	258	9	0	291	1050
07:00 AM	17	7	29	0	53	2	340	25	0	367	42	2	1	0	45	13	158	13	0	184	649
07:15 AM	8	4	30	0	42	3	424	16	0	443	44	3	1	0	48	12	171	11	0	194	727
07:30 AM	16	4	25	1	46	6	356	12	0	374	29	4	1	0	34	8	181	11	0	200	654
07:45 AM	7	1	7	0	15	2	293	17	0	312	13	5	0	0	18	16	209	20	0	245	590
Total	48	16	91	1	156	13	1413	70	0	1496	128	14	3	0	145	49	719	55	0	823	2620
08:00 AM	9	1	14	0	24	3	239	12	1	255	18	0	0	0	18	16	165	13	1	195	492
08:15 AM	13	2	12	0	27	2	267	19	1	289	18	3	2	0	23	28	142	6	1	177	516
Grand Total	87	25	170	1	283	22	2469	179	3	2673	208	23	5	0	236	117	1284	83	2	1486	4678
Apprch %	30.7	8.8	60.1	0.4		0.8	92.4	6.7	0.1		88.1	9.7	2.1	0		7.9	86.4	5.6	0.1		
Total %	1.9	0.5	3.6	0	6	0.5	52.8	3.8	0.1	57.1	4.4	0.5	0.1	0	5	2.5	27.4	1.8	0	31.8	

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Colorado Springs, CO 80905

719-633-2868

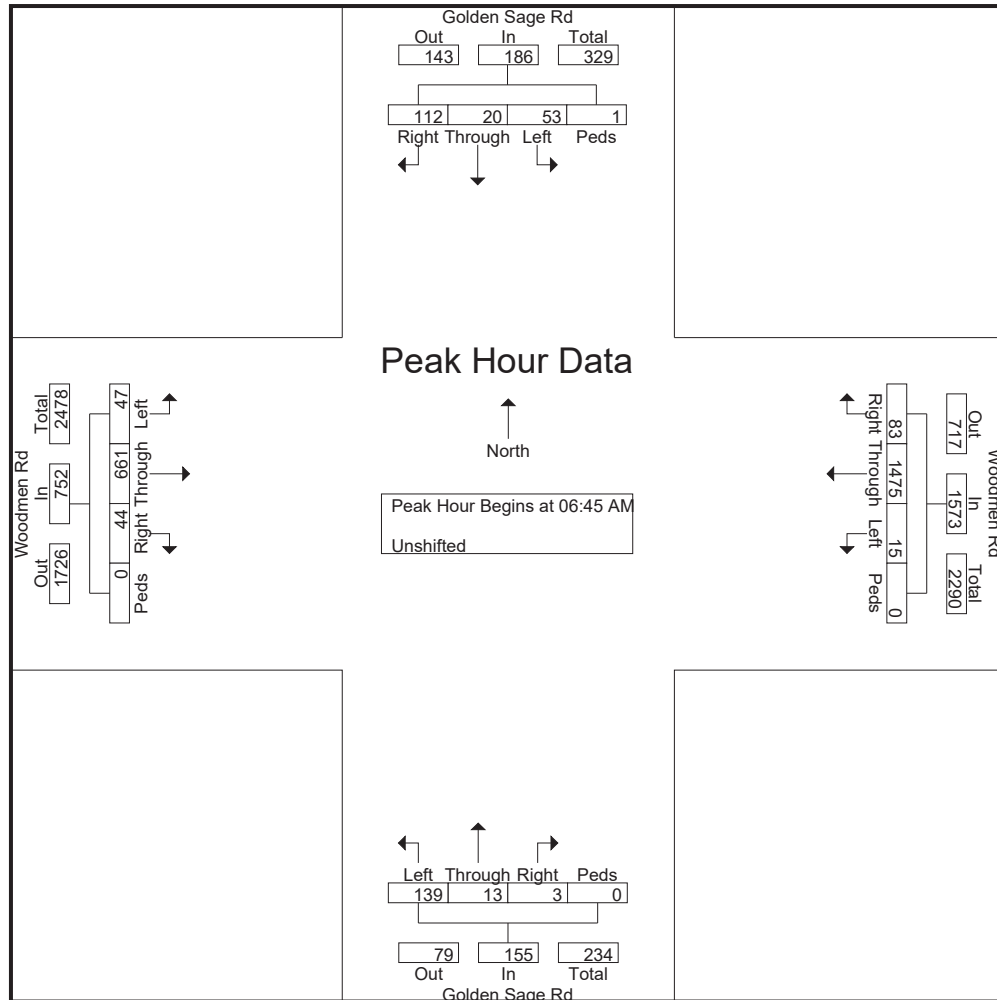
File Name : Golden Sage Rd - Woodmen Rd AM 1-20

Site Code : 00194460

Start Date : 1/21/2020

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	Golden Sage Rd Southbound					Woodmen Rd Westbound					Golden Sage Rd Northbound					Woodmen Rd Eastbound					
Start Time	Left	Through	Right	Peds	App. Total	Left	Through	Right	Peds	App. Total	Left	Through	Right	Peds	App. Total	Left	Through	Right	Peds	App. Total	Int. Total
<b>Peak Hour Analysis From 6:30:00 AM to 8:15:00 AM - Peak 1 of 1</b>																					
Peak Hour for Entire Intersection Begins at 6:45:00 AM																					
6:45:00 AM	12	5	28	0	45	4	355	30	0	389	24	4	0	0	28	14	151	9	0	174	636
7:00:00 AM	17	7	29	0	53	2	340	25	0	367	42	2	1	0	45	13	158	13	0	184	649
7:15:00 AM	8	4	30	0	42	3	424	16	0	443	44	3	1	0	48	12	171	11	0	194	727
7:30:00 AM	16	4	25	1	46	6	356	12	0	374	29	4	1	0	34	8	181	11	0	200	654
Total Volume	53	20	112	1	186	15	1475	83	0	1573	139	13	3	0	155	47	661	44	0	752	2666
% App. Total	28.5	10.8	60.2	0.5		1	93.8	5.3	0		89.7	8.4	1.9	0		6.2	87.9	5.9	0		
PHF	.779	.714	.933	.250	.877	.625	.870	.692	.000	.888	.790	.813	.750	.000	.807	.839	.913	.846	.000	.940	.917



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File Name : Golden Sage Rd - Woodmen Rd PM 1-20

Site Code : 00194460

Start Date : 1/21/2020

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## Groups Printed- Unshifted

	Golden Sage Rd Southbound					Woodmen Rd Westbound					Golden Sage Rd Northbound					Woodmen Rd Eastbound					
Start Time	Left	Through	Right	Peds	App. Total	Left	Through	Right	Peds	App. Total	Left	Through	Right	Peds	App. Total	Left	Through	Right	Peds	App. Total	Int. Total
04:00 PM	17	2	26	0	45	7	205	16	0	228	23	9	5	0	37	21	272	23	2	318	628
04:15 PM	7	1	22	0	30	5	241	26	0	272	26	5	6	0	37	28	325	12	1	366	705
04:30 PM	21	4	24	0	49	1	241	20	1	263	26	8	4	0	38	24	313	3	1	341	691
04:45 PM	29	3	19	2	53	1	202	24	0	227	16	4	0	0	20	18	341	10	1	370	670
Total	74	10	91	2	177	14	889	86	1	990	91	26	15	0	132	91	1251	48	5	1395	2694
05:00 PM	18	1	27	0	46	2	254	11	2	269	27	7	1	0	35	19	328	11	0	358	708
05:15 PM	7	2	6	0	15	8	192	9	1	210	32	10	12	0	54	23	340	17	0	380	659
05:30 PM	42	7	42	1	92	7	227	23	0	257	30	7	10	0	47	28	336	6	0	370	766
05:45 PM	21	1	18	0	40	1	180	12	1	194	19	5	5	0	29	18	326	9	0	353	616
Total	88	11	93	1	193	18	853	55	4	930	108	29	28	0	165	88	1330	43	0	1461	2749
Grand Total	162	21	184	3	370	32	1742	141	5	1920	199	55	43	0	297	179	2581	91	5	2856	5443
Apprch %	43.8	5.7	49.7	0.8		1.7	90.7	7.3	0.3		67	18.5	14.5	0		6.3	90.4	3.2	0.2		
Total %	3	0.4	3.4	0.1	6.8	0.6	32	2.6	0.1	35.3	3.7	1	0.8	0	5.5	3.3	47.4	1.7	0.1	52.5	

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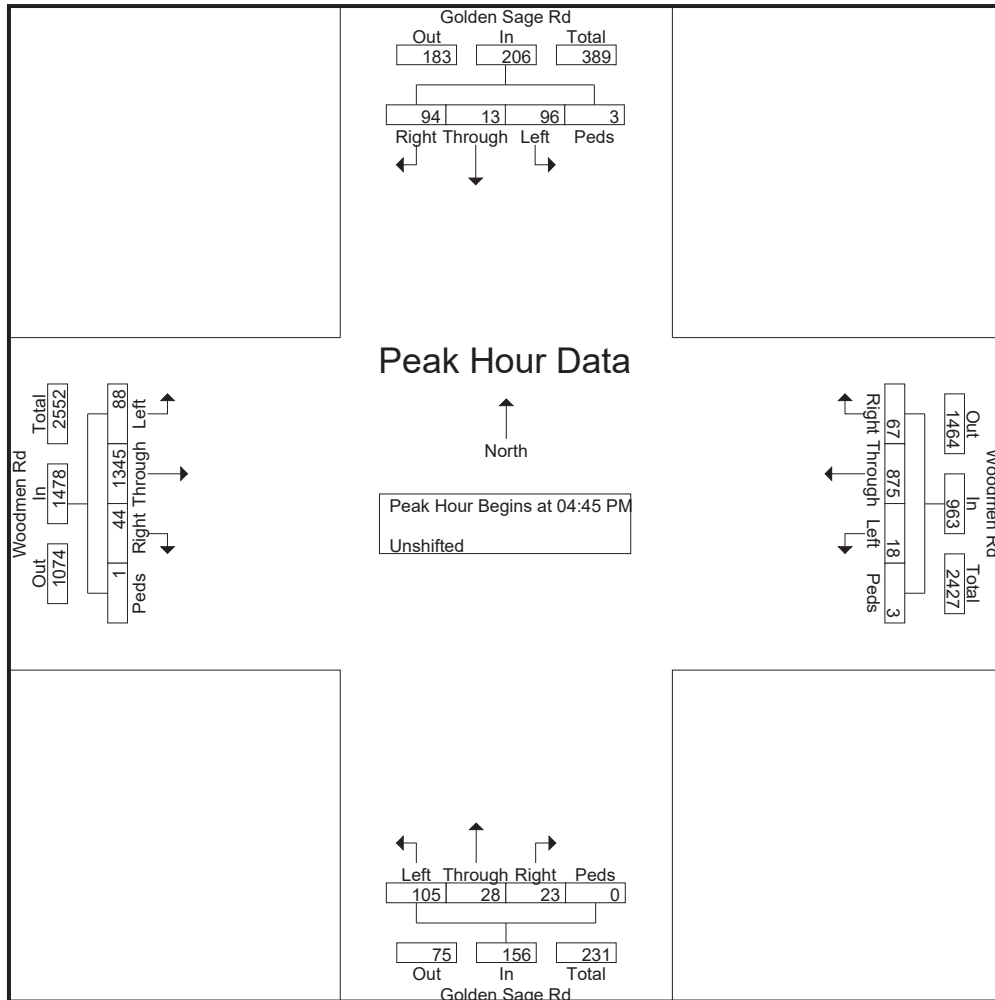
File Name : Golden Sage Rd - Woodmen Rd PM 1-20

Site Code : 00194460

Start Date : 1/21/2020

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	Golden Sage Rd Southbound					Woodmen Rd Westbound					Golden Sage Rd Northbound					Woodmen Rd Eastbound					
Start Time	Left	Through	Right	Peds	App. Total	Left	Through	Right	Peds	App. Total	Left	Through	Right	Peds	App. Total	Left	Through	Right	Peds	App. Total	Int. Total
<b>Peak Hour Analysis From 4:00:00 PM to 5:45:00 PM - Peak 1 of 1</b>																					
Peak Hour for Entire Intersection Begins at 4:45:00 PM																					
4:45:00 PM	29	3	19	2	53	1	202	24	0	227	16	4	0	0	20	18	341	10	1	370	670
5:00:00 PM	18	1	27	0	46	2	254	11	2	269	27	7	1	0	35	19	328	11	0	358	708
5:15:00 PM	7	2	6	0	15	8	192	9	1	210	32	10	12	0	54	23	340	17	0	380	659
5:30:00 PM	42	7	42	1	92	7	227	23	0	257	30	7	10	0	47	28	336	6	0	370	766
Total Volume	96	13	94	3	206	18	875	67	3	963	105	28	23	0	156	88	1345	44	1	1478	2803
% App. Total	46.6	6.3	45.6	1.5		1.9	90.9	7	0.3		67.3	17.9	14.7	0		6	91	3	0.1		
PHF	.571	.464	.560	.375	.560	.563	.861	.698	.375	.895	.820	.700	.479	.000	.722	.786	.986	.647	.250	.972	.915



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719-633-2868

File Name : Golden Sage Rd - Woodmen Rd AM

Site Code : 00194460

Start Date : 12/8/2020

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## Groups Printed- Unshifted

	Golden Sage Rd Southbound					Woodmen Rd Westbound					Golden Sage Rd Northbound					Woodmen Rd Eastbound					
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
07:00 AM	17	1	13	0	31	1	242	5	0	248	13	4	0	0	17	7	127	6	0	140	436
07:15 AM	8	0	20	0	28	4	289	7	0	300	20	2	1	0	23	7	138	4	0	149	500
07:30 AM	8	2	30	0	40	3	318	7	0	328	29	3	2	0	34	10	138	11	1	160	562
07:45 AM	7	0	21	0	28	4	211	3	0	218	11	2	2	0	15	8	133	17	0	158	419
Total	40	3	84	0	127	12	1060	22	0	1094	73	11	5	0	89	32	536	38	1	607	1917
08:00 AM	3	1	18	0	22	2	224	4	2	232	12	3	3	0	18	16	144	8	1	169	441
08:15 AM	10	2	23	0	35	3	210	6	0	219	14	2	3	0	19	18	165	4	0	187	460
08:30 AM	6	0	22	0	28	1	247	6	0	254	16	0	1	0	17	7	161	9	0	177	476
08:45 AM	10	3	12	0	25	3	170	8	0	181	19	2	0	0	21	12	142	14	0	168	395
Total	29	6	75	0	110	9	851	24	2	886	61	7	7	0	75	53	612	35	1	701	1772
Grand Total	69	9	159	0	237	21	1911	46	2	1980	134	18	12	0	164	85	1148	73	2	1308	3689
Apprch %	29.1	3.8	67.1	0		1.1	96.5	2.3	0.1		81.7	11	7.3	0		6.5	87.8	5.6	0.2		
Total %	1.9	0.2	4.3	0	6.4	0.6	51.8	1.2	0.1	53.7	3.6	0.5	0.3	0	4.4	2.3	31.1	2	0.1	35.5	

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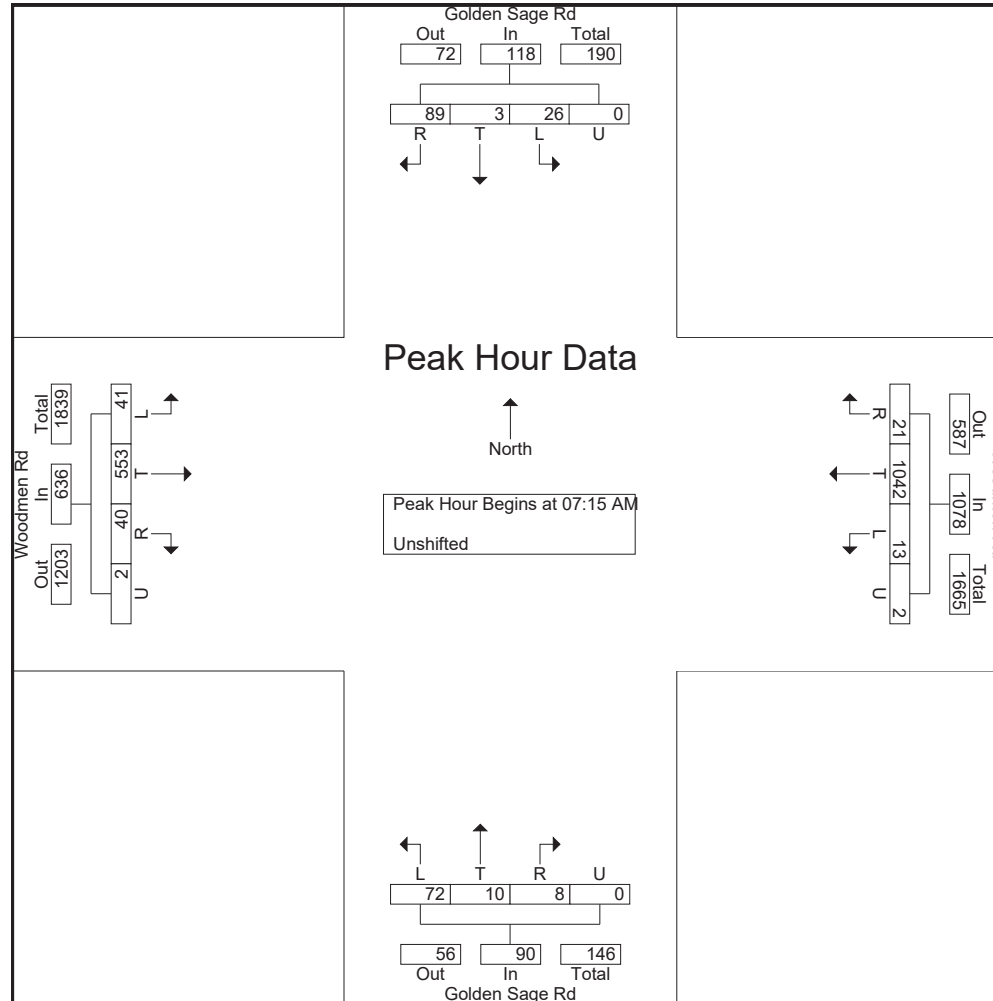
719-633-2868

File Name : Golden Sage Rd - Woodmen Rd AM

Site Code : 00194460

Start Date : 12/8/2020

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719-633-2868

File Name : Golden Sage Rd - Woodmen Rd PM  
Site Code : 00194460  
Start Date : 12/3/2020  
Page No : 1

**Groups Printed- Unshifted**

Start Time	Golden Sage Rd Southbound					Woodmen Rd Westbound					Golden Sage Rd Northbound					Woodmen Rd Eastbound					Int. Total
	L	T	R	U	App. Total	L	T	R	U	App. Total	L	T	R	U	App. Total	L	T	R	U	App. Total	
04:00 PM	23	0	12	0	35	8	260	13	0	281	18	3	7	0	28	13	279	30	1	323	667
04:15 PM	13	1	15	0	29	4	220	8	0	232	16	2	4	0	22	16	332	19	0	367	650
04:30 PM	15	1	17	0	33	1	245	10	0	256	14	4	2	0	20	14	316	16	0	346	655
04:45 PM	11	0	13	0	24	2	223	12	2	239	21	2	3	0	26	10	335	8	1	354	643
Total	62	2	57	0	121	15	948	43	2	1008	69	11	16	0	96	53	1262	73	2	1390	2615
05:00 PM	9	3	16	0	28	2	225	8	0	235	27	3	2	0	32	15	336	17	0	368	663
05:15 PM	7	4	12	0	23	5	190	13	2	210	32	4	11	0	47	18	325	19	0	362	642
05:30 PM	17	2	28	0	47	15	192	5	0	212	24	2	3	0	29	17	378	10	0	405	693
05:45 PM	10	2	5	0	17	3	145	9	1	158	12	4	2	0	18	15	278	16	1	310	503
Total	43	11	61	0	115	25	752	35	3	815	95	13	18	0	126	65	1317	62	1	1445	2501
Grand Total	105	13	118	0	236	40	1700	78	5	1823	164	24	34	0	222	118	2579	135	3	2835	5116
Apprch %	44.5	5.5	50	0		2.2	93.3	4.3	0.3		73.9	10.8	15.3	0		4.2	91	4.8	0.1		
Total %	2.1	0.3	2.3	0	4.6	0.8	33.2	1.5	0.1	35.6	3.2	0.5	0.7	0	4.3	2.3	50.4	2.6	0.1	55.4	



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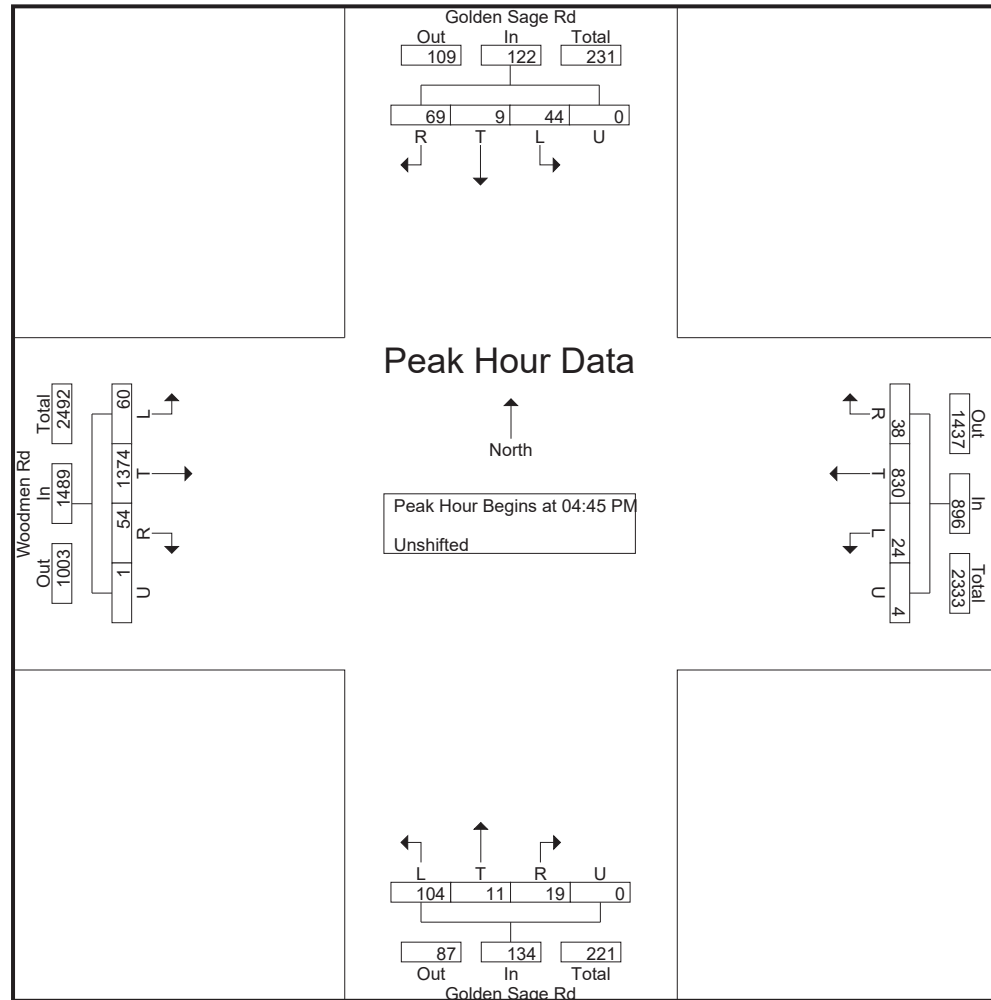
719-633-2868

File Name : Golden Sage Rd - Woodmen Rd PM

Site Code : 00194460

Start Date : 12/3/2020

Page No : 3



# Crash History

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AccidentDate	AccidentTime	Total Vehicles	Number Killed	Number Injured	FIP	ReferencePointName	ReferencePointAtName	Direction Code	Direction	Approach Overtaking Turn Code	Road Condition Code	Lighting Condition Code	Adverse Weather Condition Code	Accident Narrative
9/14/2020 0:00	12:05:00 PM	2	0	0	Property	E WOODMEN ROAD	GOLDEN SAGE RD	03	E	03	01	01	00	Vehicle #2 was traveling eastbound on E Woodmen Road in lane 01. Vehicle #2 was traveling slowly with traffic departing the Golden Sage Road traffic light. Vehicle #1 was traveling eastbound on E Woodmen Road behind Vehicle #2. Vehicle #1 did not slow as traffic was, and crashed into the back of vehicle #2. Both vehicles were blocking lane 01 and on all four wheels. Vehicles were driven to nearby parking lot to
8/19/2020 0:00	6:22:00 PM	3	0	1	Injury	WOODMEN RD	W GOLDEN SAGE RD			03	02	01	01	V1, V2, V3 were all eastbound on Woodmen Road in the number 1 lane. V3 was stopped the light at Golden Sage Road and V2 was stopped behind V3. V1 was unable to slow down and the front of V1 collided with the rear of V2 causing the front of V2 to collide with the rear of V3. All vehicles came to final rest on all wheels facing east approximately 1,056 feet west of Golden Sage Road on Woodmen Road in the number 1 lane.
12/2/2019 0:00	6:38:00 AM	2	0	0	Property	E WOODMEN RD	GOLDEN SAGE RD	07	W	03	01	01	00	Vehicle 1 was westbound on East Woodmen Road in Traffic Lane # 1. Vehicle 2 was westbound on East Woodmen Road, in Traffic Lane # 1, ahead of Vehicle 1. Vehicle 2 stopped for a red traffic signal. Vehicle 1 continued westbound. After the signal turned green, Vehicle 2 proceeded westbound and stopped for traffic. Vehicle 1 slowed and struck Vehicle 2, on its rear, with its front. Both vehicles were moved from the scene prior to officer arrival.
10/11/2019 0:00	12:10:00 PM	2	0	0	Property	E WOODMEN RD	GOLDEN SAGE	03	E	03	01	01	00	Vehicle #1 was stopped at the stop light on Woodmen and Golden Sage. Vehicle #2 was stopped at the stop light on Woodmen and Golden Sage, in front of vehicle #1. Vehicle #1 proceeded to travel west and collided its front with the rear of vehicle #2. After impact, both vehicles came to final rest and then moved to a safe location.
10/8/2019 0:00	4:15:00 PM	2	0	0	Property	E WOODMEN RD	W GOLDEN SAGE RD			03	01	01	00	Vehicle #1 was eastbound on E. Woodmen Rd approaching Golden Sage Rd in the left lane. Vehicle #2 was ahead of Vehicle #1 in the left lane. Vehicle #2 slowed for traffic ahead. Vehicle #1 could not stop in time, and collided its front into the rear of Vehicle #2. After impact, both vehicles moved to the center grassy median out of traffic prior to CSP arrival. Vehicle 1 was northbound on Golden Sage into the intersection at Woodmen Road. Vehicle 2 was southbound on Golden Sage into the intersection at Woodmen Road. Vehicle 1 failed to yield the right of way to Vehicle 2 and began to make a left turn onto westbound Woodmen Road. The front of Vehicle 1 collided with the front of Vehicle 2 in the intersection. Vehicle 1 was removed from the roadway prior to law enforcement arrival. Vehicle 2 was pushed out of the intersection by law enforcement after arrival to open the roadway. Measurements were not taken due to traffic volume.
7/18/2019 0:00	9:30:00 PM	2	0	1	Injury	E WOODMEN RD	GOLDEN SAGE DR			01	01	03	00	Vehicles 1 and 2 were westbound on E. Woodmen Road approaching the intersection with Golden Sage Road. Vehicle 2 slowed to a stop. It is unclear if there was a green light or if the light was red. Vehicle 1 collided its front with the rear of Vehicle 2 in the number 2 lane. Both vehicles were moved from rest prior to investigation.
6/16/2019 0:00	11:50:00 AM	2	0	0	Property	E WOODMEN RD	GOLDEN SAGE RD			03	01	01	00	Vehicles 1 and 2 were stopped at the red light on E. Woodmen Road at the intersection with Golden Sage Road. Vehicle 1 started moving forward when the light turned green and collided its front with the rear of Vehicle 2 before it could start moving. Both vehicles were moved from rest prior to investigation.
5/27/2019 0:00	1:20:00 PM	2	0	0	Property	E WOODMEN RD	GOLDEN SAGE RD			03	01	01	00	Vehicle #1 was southbound on Golden Sage road approaching Woodman Road. Vehicle #2 was northbound on Golden Sage Road approaching Woodman Road. Vehicle #2 had the right of way and entered the intersection. Simultaneously Vehicle #1 entered the intersection and made a left turn, failing to yield the right of way to vehicle #2. Vehicle #2 collided it's front with the right side of vehicle #1 in the intersection. Both vehicle's drove to the south shoulder of Woodman road, coming to final rest.
8/24/2018 0:00	5:35:00 PM	2	0	0	Property	E WOODMEN RD	GOLDEN SAGE DR			03	01	01	00	Vehicle #2 was traveling eastbound on Woodmen Road in the left lane. Vehicle #1 was traveling behind Vehicle #2. Vehicle #1 collided with the rear of Vehicle #2 with its front. After impact, both vehicles were driven to the shoulder of the roadway.
6/23/2018 0:00	8:55:00 AM	2	1	0	Fatal	E WOODMAN ROAD	GOLDEN SAGE			03	01	01	00	Vehicle #1 was eastbound in the right lane on Woodmen Road approaching Golden Sage. Vehicle #2 was in the right lane for eastbound traffic on Woodmen, stopped at the traffic signal. Vehicle #1 collided with the rear of Vehicle. #2. Vehicle #2 was pushed forward rolling 1 1/4 times, ejecting the driver. Vehicle #1 came to a stop facing east. Vehicle #2 came to rest facing north.
4/19/2018 0:00	10:55:00 AM	2	0	0	Property	E WOODMEN RD	W GOLDEN SAGE RD	03	E	03	01	01	05	Vehicle 2 was eastbound Woodmen Rd, in the left lane, approaching Golden Sage Rd. Vehicle 1 was the same and behind Vehicle 2. Traffic and Vehicle 2 slowed. Vehicle 1 failed to safely slow. Vehicle 1 struck its front with the rear of Vehicle 2. The point of impact occurred 14' to the right of the left road edge and 859.1 ft west of Golden Sage Rd. Vehicle 1 came to rest in the left lane, facing east, 15'3" east of the point of impact and 8'6" from the left road edge. Vehicle 2 was driven to rest.
3/30/2018 0:00	9:45:00 AM	2	0	0	Property	WOODMEN RD	E GOLDEN SAGE RD			03	01	01	00	Vehicle#1 was traveling west on Woodmen RD east of Golden Sage RD in lane #2. Vehicle#2 was in front of Vehicle#1 in the same location. Vehicle#1 slowed down then collided with Vehicle#2 on the rear bumper with the front bumper of Vehicle#1. Both vehicles pulled to the right shoulder after impact. No final rest as both vehicles were moved prior to investigation.
2/14/2018 0:00	5:09:00 PM	2	0	0	Property	WOODMEN RD	GOLDEN SAGE RD	07	W	03	01	02	05	Vehicle #1 and #2 were eastbound on Woodman Road. Vehicle #2 was stopped at the red light at Golden Sage Road. The front of vehicle #1 collided with the rear of vehicle #2 approximately 350' west of the west road edge of Golden Sage Road. Vehicles were moved prior to investigation.
10/11/2017 0:00	7:10:00 AM	2	0	0	Property	GOLDEN SAGE ROAD	E WOODMEN ROAD			03	01	01	00	Vehicles 1 and 2 were stopped at the light on Golden Sage Road at the intersection with E. Woodmen Road. The light turned green and both vehicles started into the intersection. Vehicle 2 stopped shortly after starting forward as the vehicle ahead of her suddenly stopped. Vehicle 1 collided its front with the rear of Vehicle 2. Both vehicles were moved prior to investigation.
8/31/2017 0:00	4:45:00 PM	2	0	0	Property	WOODMEN RD	GOLDEN SAGE RD	04	S	03	01	01	00	Vehicles 1 and 2 were eastbound in the left lane on Woodmen Rd stopped for traffic just west of Golden Sage Rd. Vehicle 1 began moving forward before vehicle 2. Vehicle 1 collided its front with the rear of vehicle 2. Both vehicles were moved prior to investigation.
7/26/2017 0:00	6:25:00 PM	2	0	0	Property	WOODMEN RD	GOLDEN SAGE RD	03	NW	03	01	01	00	Vehicles 1 and 2 were westbound on Woodmen Rd approaching Golden Sage Rd in the left lane. Vehicle 2 stopped for traffic ahead. Vehicle 1 failed to stop and collided its front with the rear of vehicle 2. Both vehicles were moved prior to investigation.
7/17/2017 0:00	9:55:00 AM	2	0	0	Property	GOLDEN SAGE ROAD	WOODMEN ROAD	01	N	03	01	01	00	Vehicles 1 and 2 were stopped on Golden Sage Road at the intersection with East Woodmen Road. Vehicle 1 rolled forward and collided its front with the rear of Vehicle 2. Both vehicles were moved from rest prior to investigation.
6/2/2017 0:00	4:07:00 PM	2	0	0	Property	Woodmen Rd	Golden Sage Dr			03	01	01	00	Vehicle #1 was eastbound on Woodmen Rd. Vehicle #2 was stopped at the intersection of Golden Sage Rd and Woodmen Rd. Vehicle #1 failed to stop for the red light. Vehicle #2 began to turn left onto Woodmen Rd. Vehicle #1's passenger front bumper impacted Vehicle #2's driver side. Both vehicles moved prior to investigation.
4/14/2017 0:00	6:40:00 PM	2	1	0	Fatal	Woodmen Road	Golden Sage Road			01	01	01	00	Vehicle #1 was eastbound on Woodmen Road making a left turn in front of approaching traffic. Vehicle #2 was westbound on Woodmen Road. Vehicle #1 collided its front with the left side of Vehicle #2. Vehicle #1 came to rest facing north. Vehicle #2 traveled off the right side of the road and came to rest facing south.
4/20/2017 0:00	1:35:00 PM	2	0	0	Property	WOODMEN RD	GOLDEN SAGE RD			03	01	01	05	VEHICLES 1 AND 2 WERE EASTBOUND ON WOODMEN RD, IN THE LEFT LANE, STARTING FROM A GREEN LIGHT, AT GOLDEN SAGE RD. THE FRONT OF VEHICLE 1 IMPACTED THE REAR OF VEHICLE 2, APPROXIMATELY 20' EAST OF THE INTERSECTION, IN THE LEFT LANE. BOTH VEHICLES WERE DRIVEN TO REST IN THE MEDIAN, OUT OF TRAFFIC, PRIOR TO ARRIVAL. EXACT POINT OF IMPACT UNKNOWN.
4/15/2017 0:00	7:45:00 AM	2	0	0	Property	Woodmen Road westbound	Golden Sage Road	03	NW	03	01	01	00	Vehicle #1 was traveling westbound on Woodmen Road in the right lane approaching Golden Sage Road. Vehicle #2 was stopped on Woodmen Road at Golden Sage Road in the right lane. Vehicle #1 attempted to stop leaving 88 feet of braking tire marks before its front left struck Vehicle #2's right rear. Both vehicles moved from final rest onto Golden Sage Road prior to my arrival on scene.

<b>A. LOCATION</b> 01. On Roadway 02. Ran Off Left Side 03. Ran Off Right Side 04. Ran Off 'T' Intersection 05. Vehicle Crossed Center Median Into Opposing Lanes 06. On Private Property	<b>K. VEHICLE / VEHICLE COMBINATION</b> <b>FMC (Overlay C) Required</b> 01. Vehicle / Vehicle Combination (10,001 lbs. and over) 02. School Bus (all school buses) 03. Non-school Bus (9 occupants or more including driver) in commerce 04. Transit Bus <b>GVWR 10,000 lbs. or Less</b> 05. Passenger Car / Passenger Van 06. Passenger Car / Passenger Van W/ Trailer 07. Pickup Truck / Utility Van 08. Pickup Truck / Utility Van W/Trailer 09. SUV 10. SUV W/Trailer 11. Motor Home 12. Motorcycle 13. Bicycle 14. Motorized Bicycle 15. Farm Equipment 16. Hit & Run Unknown 17. Light Rail 18. Other (Describe in Narrative)
<b>B. HARMFUL EVENT SEQUENCE</b> <b>NON-COLLISION ACCIDENT</b> 01. Overturning 02. Other Non-Collision <b>COLLISION WITH PEDESTRIAN</b> 03. School Age To / From School 04. Pedestrian on Toy Motorized Veh. 05. All Other Peds <b>COLLISION WITH MOTOR VEHICLE IN TRANSPORT</b> 06. Front to Front 07. Front to Rear 08. Front to Side 09. Rear to Side 10. Rear to Rear 11. Side to Side-Same Direction 12. Side to Side-Opposite Direction <b>COLLISION WITH OTHER VEHICLE</b> 13. Parked Motor Vehicle 14. Railway Vehicle/Light Rail 15. Bicycle 16. Road Maintenance Equipment <b>COLLISION WITH ANIMAL</b> 17. Domestic Animal 18. Wild Animal <b>COLLISION WITH OBJECT</b> 19. Light Pole / Utility Pole 20. Traffic Signal Pole 21. Sign 22. Guard Rail 23. Cable Rail 24. Concrete Highway Barrier 25. Bridge Structure 26. Vehicle Debris or Cargo 27. Culvert or Headwall 28. Embankment 29. Curb 30. Delineator Post 31. Fence 32. Tree 33. Large Rocks or Boulder 34. Railroad Crossing Equipment 35. Barricade 36. Wall or Building 37. Crash Cushion / Traffic Barrel 38. Mailbox 39. Other Fixed Object (Specify in Narrative) 40. Other Object (Specify in Narrative)	<b>L. DIRECTION OF TRAVEL – PRIOR TO IMPACT</b> 01. North 02. Northeast 03. East 04. Southeast 05. South 06. Southwest 07. West 08. Northwest
<b>C. APPROACH/OVERTAKING TURN</b> 01. Approach Turn 02. Overtaking Turn 03. Not Applicable	<b>M. VEHICLE MOVEMENT – PRIOR TO IMPACT</b> 01. Going Straight 02. Slowing 03. Stopped in Traffic 04. Making Right Turn 05. Making Left Turn 06. Making U-Turn 07. Passing 08. Backing 09. Entering / Leaving Parked Position 10. Parked 11. Changing Lanes 12. Avoiding Object in Roadway 13. Weaving 14. Spun Out of Control 15. Drove Wrong Way 16. Other (Describe in Narrative)
<b>D. ROAD DESCRIPTION</b> 01. At Intersection 02. Driveway Access Related 03. Intersection Related 04. Non-Intersection 05. Alley Related 06. Roundabout 07. Highway Interchange 08. Parking Lot	<b>N. ROADWAY SPEED LIMIT - Vehicles Only</b> Traffic Unit #1 or _____ Traffic Unit #2 or _____
<b>E. ROAD CONTOUR</b> 01. Straight On-Level 02. Straight On-Grade 03. Curve On-Level 04. Curve On-Grade 05. Hillcrest	<b>P. ESTIMATED VEHICLE SPEED - Vehicles Only</b> Traffic Unit #1 or _____ Traffic Unit #2 or _____
<b>F. ROAD SURFACE</b> 01. Concrete 02. Blacktop 03. Brick or Block 04. Gravel, Slag or Stone 05. Dirt 06. Other (Describe in Narrative) 07. Unknown	<b>Q. DRIVER ACTIONS (Officer Opinion Only)</b> 00. No Action 01. Exceeded Safe/ Posted Speed 02. Impeded Traffic 03. Failed to Yield ROW 04. Disregard Stop Sign 05. Failed to Stop at Signal 06. Disregarded Other Device 07. Improper Turn 08. Turned from Wrong Lane or Position 09. Other Improper Turns 10. Lane Violation 11. Improper Passing on Left 12. Improper Passing on Right 13. Followed Too Closely 14. Improper Backing 15. Signaling Violation 16. Reckless Driving 17. Careless Driving (if used, block R can not be coded "00")
<b>G. ROAD CONDITION</b> 01. Dry 02. Wet 03. Muddy 04. Snowy 05. Icy 06. Slushy 07. Foreign Material 08. Dry W/Visible Icy Road Treatment 09. Wet W/Visible Icy Road Treatment 10. Snowy W/Visible Icy Road Treatment 11. Icy W/Visible Icy Road Treatment 12. Slushy W/Visible Icy Road Treatment	<b>R. DRIVER - MOST APPARENT HUMAN CONTRIBUTING FACTOR (Officer Opinion Only)</b> 00. No Apparent Contributing Factor 01. Asleep at the Wheel 02. Driver Fatigue 03. Illness / Medical 04. Driver Inexperience 05. Aggressive Driving 06. Driver Unfamiliar With Area 07. Driver Emotionally Upset 08. Evading Law Enforcement Officer 09. Physical Disability 10. DUI, DWAI, DUID 11. Distracted / Passenger 12. Distracted / Cell Phone 13. Distracted / Radio 14. Distracted / Other i.e. Food, Objects, Pet, etc. 15. Other Factor (Describe in Narrative)
<b>H. LIGHTING CONDITION</b> 01. Daylight 02. Dawn or Dusk 03. Dark - Lighted 04. Dark - Unlighted	<b>S. BY PEDESTRIAN ACTION (Officer Opinion Only)</b> 01. Cross Against Signal 02. Cross / Enter at Intersection 03. Cross / Enter NOT at Intersection 04. Standing in Roadway 05. Playing in Roadway 06. Soliciting Rides 07. Walking in Roadway in Direction of Traffic 08. Walking in Roadway Against Direction of Traffic 09. Entering / Exiting Vehicle 10. Pushing / Working on Vehicle 11. Lying in Roadway 12. Other (Describe in Narrative)
<b>J. ADVERSE WEATHER CONDITION</b> 00. None 01. Rain 02. Snow / Sleet / Hail 03. Fog 04. Dust 05. Wind	<b>T. VEHICLE DEFECT / CONDITION (Officer Opinion Only)</b> 00. No Vehicle Defects 01. Defective Head Light(s) 02. Defective Brake/Tail Light(s) 03. Defective Signaling Device 04. Brakes Defective/Out of Adjustment 05. Defective Tires 06. Sudden Tire Failure 07. Improper Tires for Conditions 08. Mechanical Failure 09. Obstructed Window(s) 10. Improper Load 11. Spilled Load – Commercial Aggregate 12. Spilled Load – Commercial Non- Aggregate 13. Spilled Load – Other 14. Parking Violation 15. Other Defect(s) (Describe in Narrative)