



## SM ROCHA, LLC

TRAFFIC AND TRANSPORTATION CONSULTANTS

### SMR Response

July 30, 2024

Drew Balsick  
Flying Horse Development  
2138 Flying Horse Club Drive  
Colorado Springs, Colorado 80921

**RE: Flying Horse North Filing 4 / Traffic Generation Analysis  
El Paso County, Colorado**

The 2016 Master TIS is 8 years old. According to ECM Appendix B.1.3. the 2016 TIS will need to be updated.

Pursuant to meeting with County Staff on 10/24/24, this traffic letter will suffice for Filing 4's application, and provision of a new Traffic Impact Study will be provided with the forthcoming Major PUD Amendment.

Dear Drew,

SM ROCHA, LLC is pleased to provide traffic generation information for the development entitled Flying Horse North Filing 4. This development is located near the southwest corner of Black Forest Road and Old Stagecoach Road in El Paso County, Colorado.

The intent of this analysis is to present traffic volumes likely generated by the proposed development, provide a traffic volume comparison to previous land use assumptions approved for the development site, and consider potential impacts to the adjacent roadway network. This letter also serves as an update to the previously approved Flying Horse North Updated Traffic Impact Analysis<sup>1</sup> prepared for the overall Preliminary Plan application, pursuant to Section B.1.2.D of El Paso County's Engineering Criteria Manual (ECM)<sup>2</sup>.

The following is a summary of analysis results.

### Site Description and Access

Land for the development is currently vacant and surrounded by a mix of residential and recreational land uses. The proposed development is understood to entail the new construction of 50 single-family detached homes.

Proposed access to the overall development area is general and provided along Old Stagecoach Road and Rubble Drive.

General site and access locations are shown on Figure 1.

A site plan, as prepared by HR Green, Inc., is shown on Figure 2. This plan is provided for illustrative purposes only.

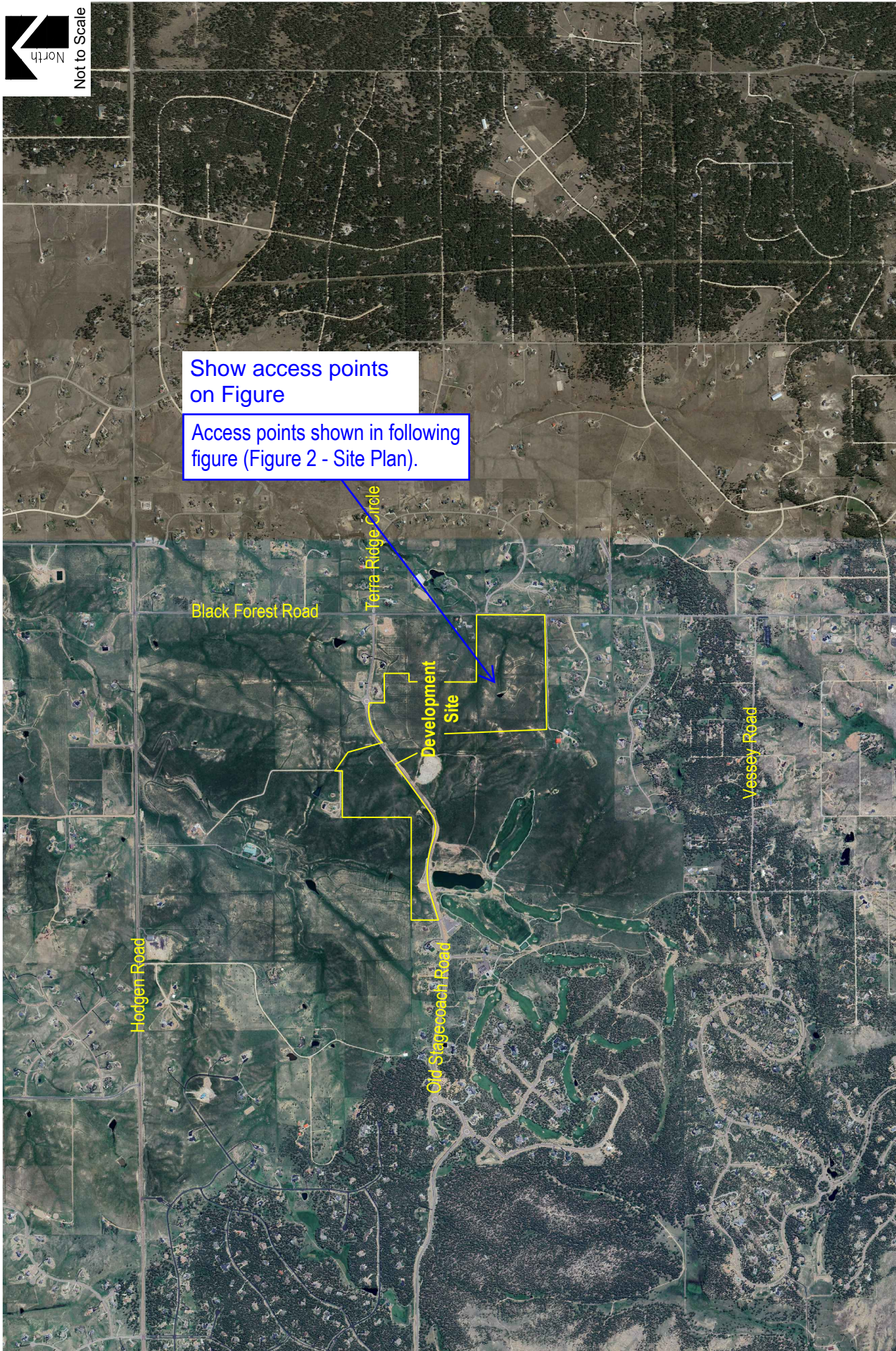
<sup>1</sup> Flying Horse North: Updated Traffic Impact Analysis, LSC Transportation Consultants, Inc., July 21, 2016.

<sup>2</sup> El Paso County Engineering Criteria Manual, El Paso County, October 2020.





Not to Scale

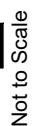


Show access points  
on Figure

Access points shown in following  
figure (Figure 2 - Site Plan).

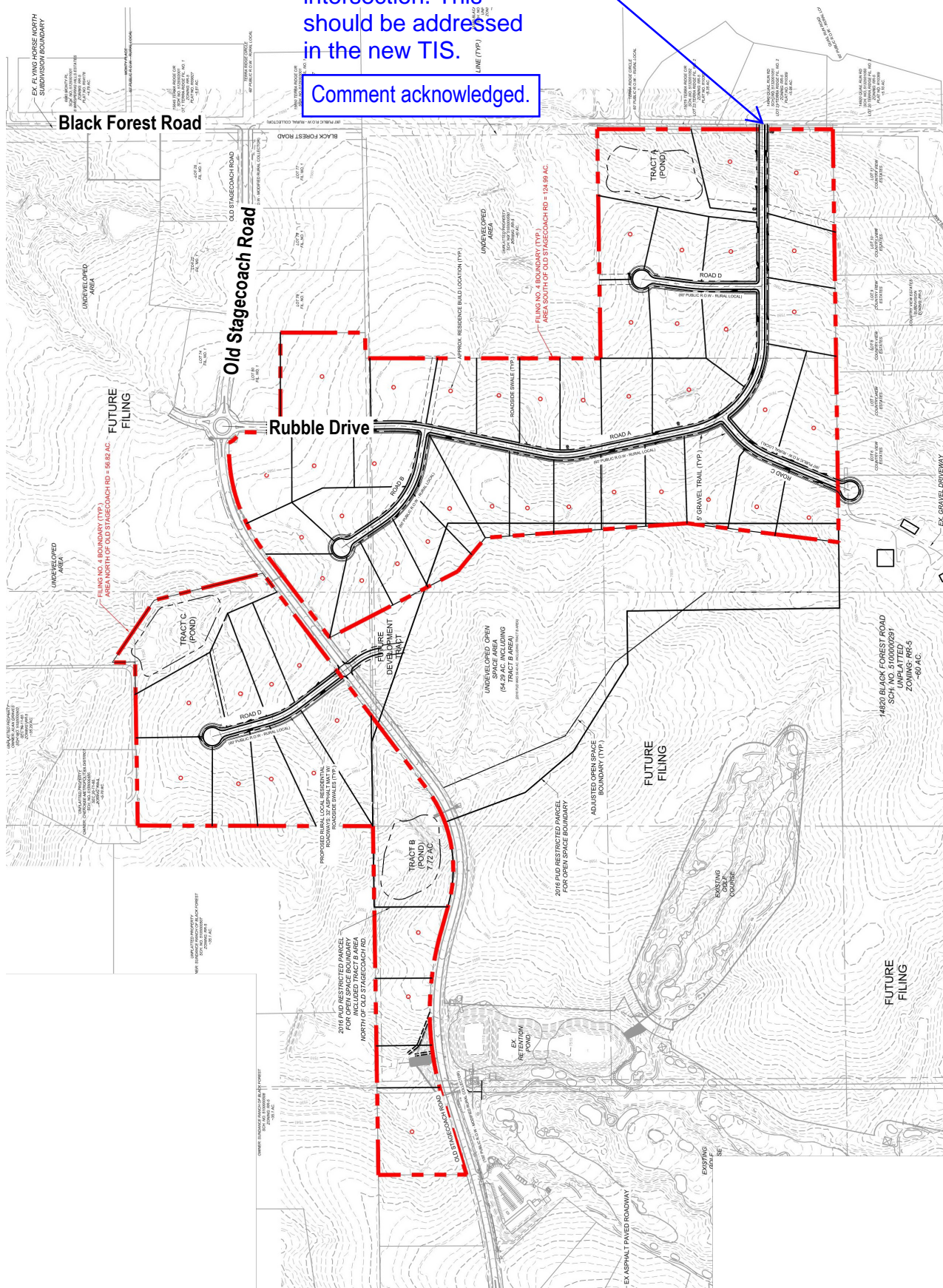






There does not exist a recent (post-2016) analysis at this proposed intersection. This should be addressed in the new TIS.

Comment acknowledged.



## Figure 2 SITE PLAN

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As Table 2 shows, the proposed development area has the potential to generate approximately 472 daily trips with 35 of those occurring during the morning peak hour and 47 during the afternoon peak hour. Compared to the previously approved land use, this represents a potential increase in site generation of approximately 81 daily trips with 4 of those occurring during the morning peak traffic hour and 6 during the afternoon peak traffic hour.

### **Adjustments to Trip Generation Rates**

A development of this type is not likely to attract trips from within area land uses nor pass-by or diverted link trips from the adjacent roadway system, therefore no trip reduction was taken in this analysis.

### **Vehicle Trip Generation Comparison & Development Impacts**

As Table 2 shows, there is an increase in peak hour traffic volumes anticipated for the proposed development. However, these volumes are considered minor and are not likely to negatively impact operations of Rubble Drive, Old Stagecoach Road, nor other adjacent roadways or intersections.

### **Recommended Improvements**

Pursuant to the previous Flying Horse North Updated Traffic Impact Analysis prepared for the Flying Horse North PUD dated 2016, the development area proposed with this plat application was previously assumed as part of development Phases 4, 6, and 11.

Table 3 of the referenced traffic analysis shows how auxiliary lane improvements to the State Highway 83 intersection with Stagecoach Road were recommended upon completion of Phase 3 (build-out of 75 dwelling units). However, a recent site visit of the study area concludes how auxiliary lane improvements to the Stagecoach Road and State Highway 83 intersection have already been implemented.

Additionally, the referenced traffic analysis shows that auxiliary lane improvements for the Stagecoach Road and Black Forest Road intersection were recommended upon completion of Phase 7 (build-out of 162 dwelling units).

Upon buildout of Flying Horse North Filing 4, there is expected to be 182 total dwelling units constructed within the overall Flying Horse North development area. As such, it is likely that a northbound left-turn lane along Black Forest Road at Old Stagecoach Road may be needed upon full buildout of Filing 4.

Previous trip generation estimates and recommended improvement information from the 2016 Flying Horse North Updated Traffic Impact Analysis are provided for reference in Attachment A.

## Conclusion

This analysis assessed traffic generation for the Flying Horse North Filing 4 development, provided a traffic volume comparison to previous land use assumptions approved for the development site, and considered potential impacts to the adjacent roadway network.

It is our professional opinion that the proposed site-generated traffic resulting from the development is expected to create no negative impact to traffic operations for the surrounding roadway network and existing site access, nor at the Old Stagecoach Road intersection with Black Forest Road, and is in compliance with the Flying Horse North Updated Traffic Impact Analysis.

We trust that our findings will assist in the planning and approval of the Flying Horse North Filing 4 development. Please contact us should further assistance be needed.

Sincerely,

**SM ROCHA, LLC**

*Traffic and Transportation Consultants*



Megan Bock, EIT  
Traffic Engineer



Fred Lantz, PE  
Traffic Engineer

**ATTACHMENT A**

**2016 Flying Horse North Updated Traffic Impact Analysis**

**Table 2**  
**Trip Generation Estimate**  
**Flying Horse at Shamrock Ranch East**

Phase	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		
1-2	210	Single-Family Detached Housing	43 DU <sup>(2)</sup>	9.52	0.19	0.56	0.63	0.37		409	8	24	27	16	
	210 430	Single-Family Detached Housing Golf Course	136 DU 18 holes	9.52 35.74	0.19 1.63	0.56 0.43	0.63 1.49	0.37 1.43		1,295 643	26 29	77 8	86 27	50 26	
										1,938	55	84	112	76	
Buildout	210	Single-Family Detached Housing	283 DU	9.52	0.19	0.56	0.63	0.37		2,694	53	159	178	105	
	430	Golf Course	18 holes	35.74	1.63	0.43	1.49	1.43		643	29	8	27	26	
										3,337	82	167	205	130	

Notes:

(1) Source: "Trip Generation, 9th Edition, 2012" by the Institute of Transportation Engineers (ITE)

(2) DU = dwelling unit

Source: LSC Transportation Consultants, Inc.



**Table 3**  
**Recommended Improvements**  
**Flying Horse at Shamrock Ranch East**

Intersection/Road	Improvement	Lane Length (ft)	Taper Length (ft)	Phase When Required
SH 83/Stagecoach	Northbound Right-Turn Deceleration Lane	378	222	3
	Northbound Right-Turn Acceleration Lane	738	222	3
	Southbound Left-Turn Lane	418	222	3
	Southbound Left-Turn Acceleration Lane	738	222	3
Hogden/Full-Movement Site Access	No Auxiliary Lanes Required			
Hogden/Black Forest (West)	No Additional Auxiliary Lanes Required			
Black Forest/Stagecoach	Northbound Left-Turn Lane	340	240	7
Black Forest/Site Access Points	No Auxiliary Lanes Required			
Holmes Road	Pave	N/A	N/A	9
Source: LSC Transportation Consultants, Inc.				