



Lake Tahoe School Planning Commission

995 Tahoe Blvd., Incline Village, NV.

February 6, 2024

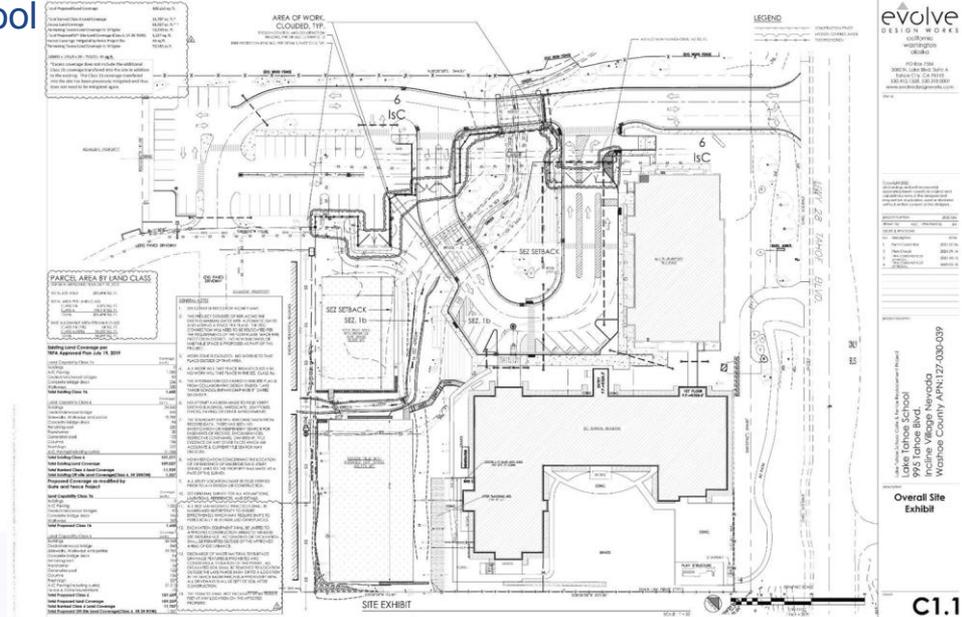
Agenda

- Site Overview
- Purpose of Meeting
- Traffic & Parking
- Traffic Mitigation Measures
- Contacts



Site Overview

- **Applicant/Property Owner:** Lake Tahoe School
- **Location:** 995 Tahoe Blvd
- **APN:** 127-030-39
- **Parcel Size:** 4.602 acres
- **Master Plan:** Tourist
- **Regulatory Zone:** TA-IVT
- **Area Plan:** Tahoe
- **Development Code:** Authorized in Article 804
- **Commission District:** 1 – Commissioner Hill



Amendment to Conditions Special Use Permit

Student Enrollment Breakdown	
Maximum Student Enrollment Capacity per WDMOD21-0009, 10% expansion of the student population permanently in accordance with WCC 110.810.60a(4) & 110.804.35	220
Maximum Student Enrollment Capacity per SUP17-0004, Condition 1.g.iv.1.	200
Current Families (<i>Student/Siblings</i>)	125
Anticipated New Students (<i>No Current Student Sibling</i>)	15
Anticipated Actual Student Enrollment	235
Proposed Increase to Student Enrollment	250



No modification or construction is necessary for the new Special Use Permit request.

LSC Traffic Study update was conducted to re-evaluate the existing 2023 conditions and future traffic volumes. The future projected volumes were increased by 25% (equivalent to 1:1 ratio) in proportion to the proposed student enrollment maximum.

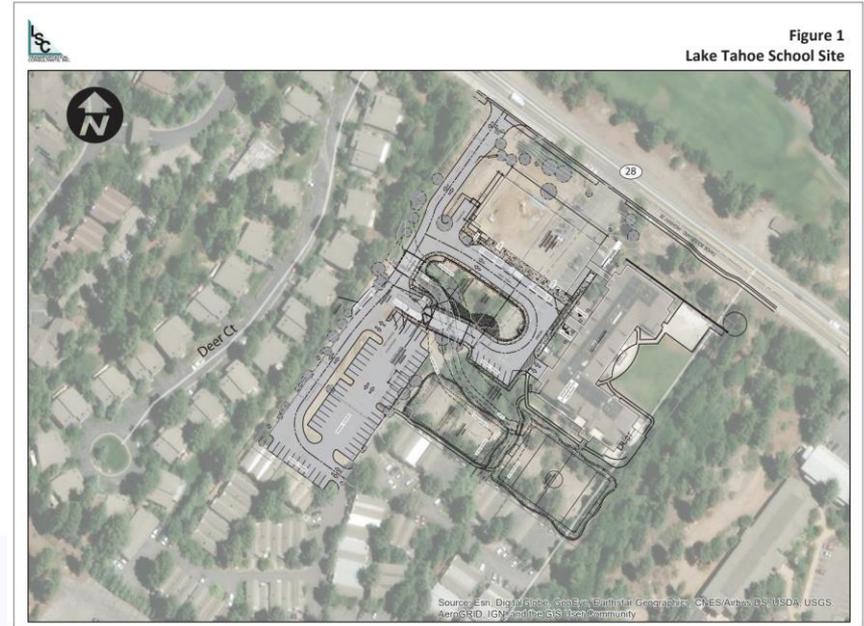
Table 1: SR 28/Lake Tahoe School Driveway Peak Hour Intersection Traffic Volumes

Intersection	Northbound			Eastbound		Westbound		Total
	Left	Through	Right	Through	Right	Left	Through	
2023 Existing Design Volumes								
AM SR 28/School Driveway	72	--	63	238	86	60	349	867
PM SR 28/School Driveway	72	--	51	355	63	27	359	927
Future Design Volumes								
AM SR 28/School Driveway	90	--	79	238	108	75	349	938
PM SR 28/School Driveway	90	--	64	355	79	34	359	981

Table 2: Lake Tahoe School Driveway/Tahoe Blvd - Existing Intersection LOS Summary

Scenario	Control Type	LOS		Delay (sec/veh)	LOS ¹
		Threshold			
2023 Existing AM Peak Hour	TWSC	F		21.4	C
2023 Existing PM Peak Hour	TWSC	F		20.4	C
Future AM Peak Hour	TWSC	F		25.7	D
Future PM Peak Hour	TWSC	F		22.8	C

TWSC = Two-Way Stop-Control; AWSC = All-Way Stop-Control
 NOTE 1: Level of service for unsignalized intersections is reported for the worst movement.
 Source: LSC Transportation Consultants, Inc.

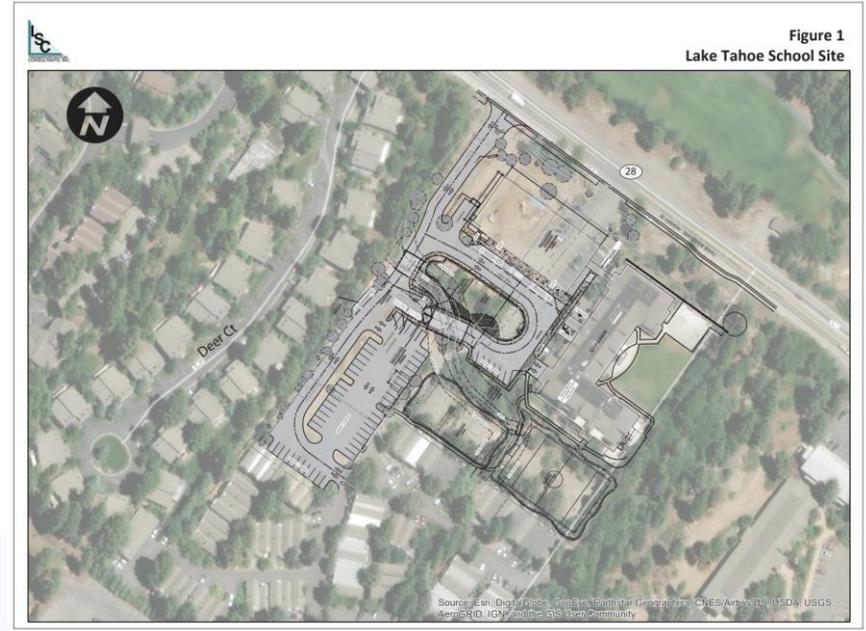


Many families carpool and the additional 30 students would largely consist of siblings of a current student already attending the Lake Tahoe School. Therefore, the traffic analysis is forecasted higher than anticipated.

Traffic Study

LSC Traffic Study update 2023 was conducted to re-evaluate the existing and future traffic conditions based on the increase in student enrollment.

- Based on NDOT criteria of speed of the roadway, total approach traffic volume, volume of left-turns and right-turns, the existing and future conditions warranted turning lanes during the School AM and PM peak period.
- However, a left-turn and right-turn lane may not be desirable for the following reasons:
 1. Construction of the left and right turn lanes would be extremely costly.
 2. The roadway construction would potentially impact the adjacent sensitive lands on the east and west sides of SR28.
 3. The widening of the roadway to allow for the turning lanes would exacerbate the on-site driveway approach grades.
- The determination would ultimately be made by NDOT. To alleviate the traffic congestion and improve flow, the School has actively implemented mitigation measures.



Implementation of Traffic Mitigation Measures

- Two traffic officers will be conducting traffic management flow during School peak traffic times.
- More traffic lanes will be opened up to improve traffic flow & allow additional queue storage at pick-up.
- Staggered drop-off times for the coming school year between the upper and lower grade school release.
- All sibling students will be released together
- Restriping the parking and pick-up areas.

Move traffic flow through the lower parking lot in order to get the drop off traffic out of the main driveway.



Lower grade siblings will wait in the library or gym until upper grade lets out to reduce those trips.

Family Trip Analysis

- The increase in enrollment capacity of 250 students, only 235 students are anticipated to attend.
- Currently there are 125 families, sibling students.
- Siblings will be released at the same time so that they will be picked up together saving 25-30 individual trips.
- Approximately 15 new students are expected to enroll.
- **Due to the School's active traffic management policy plan, it is not anticipated that the increase in student enrollment and expected new students will generate a significant volume and trips than what currently exists.**

Total Families	125
Total Students	235

Mitigation	Trips Saved / School Day
Same time sibling pick up	25
Carpooling	20
Shuttle	15
Biking, Walking, etc.	30
Total	90

**These numbers are to demonstrate trips saved per person via separate modes of travel. The numbers above are estimations are not exact calculations.*



Thank you!

Planner Assigned : Washoe County

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