

December 17, 2021

Bonner County Public Works
1500 Highway 2, Suite 101
Sandpoint, ID 83864

RE: Trip Generation and Distribution Letter
Yoman Bluffs, Coolin Subdivision
Storhaug Engineering Project #21-153

To Whom It May Concern:

It is the intent of this narrative to discuss the Yoman Bluffs, Coolin Subdivision, Parcel No. RP59N04W102400A, Coolin, ID 83821 to summarize the trips generated by the completed project. The approximately 37.60-acre project will be served by Sherwood Beach Rd, which will serve as the main access point for this project. The site is currently zoned Recreation, and there are no plans to change the zoning. Please see enclosed preliminary plat exhibit for a vicinity map, site plan, and site circulation. Also enclosed is the expected trip distribution pattern for traffic on the adjacent street network in graphical format. Project is anticipated to be built in one phase, and construction will start in summer of 2022.

Trip Generation characteristics for the Yoman Bluffs, Coolin Subdivision are calculated from trip generation studies compiled by the Institute of Transportation Engineers, "Trip Generation", 10th Edition, 2017. The project proposes 9 single-family residential homes to be constructed. Based on the total number of new dwelling units of the proposed project, Trip Generation characteristics of the Yoman Bluffs, Coolin Subdivision at the Sherwood Beach Rd access point were projected as follows:

The trip generation characteristics of the residential project conforms to ITE Land Use category 210, Single-Family Detached Housing. The weekday trips were calculated as follows:

ITE 210 Single-Family Detached Housing trip generation average trips per dwelling unit: 9.44

Calculation: 9 units X 9.44 trips/du = 84.96 rounded to **85 ADT**

ITE 210 Single-Family Detached Housing A.M. Peak Hour of adjacent street traffic trip generation average trips per dwelling unit: 0.74

Calculation: 9 units X 0.74 trips/du = 6.66 rounded to **7 A.M. Peak Hour trips**

Allocation: 25% entering, 75% exiting: 2 trips enter, 5 trips exit

ITE 210 Single-Family Detached Housing P.M. Peak Hour of adjacent street traffic trip generation average trips per dwelling unit: 0.99

Calculation: 9 units X 0.99 trips/du = 8.91 rounded to **9 P.M. Peak Hour trips**

Allocation: 63% entering, 37% exiting: 6 trips enter, 3 trips exit

Trip Generation summary for overall proposed project:

ADT Total: 85

A.M. Peak Total: 7, 2 enter, 5 exit

P.M. Peak Total: 9, 6 enter, 3 exit

Distribution:

It is anticipated that the majority of trips, approximately 75, will utilize the Bayview Drive, Dickensheet Dr, and Cavanaugh Bay Rd intersection. This intersection connects traffic to and from the south, east, and west to the project site. A significantly less number of trips, approximately 10, will utilize the N Steamboat Bay, McEwan Rd, and S Steamboat Bay intersection to the north of the site, for traffic entering and exiting the site to and from the north.

Written by: Liam Taylor



Reviewed by: Jerry Storhaug, PE



YOMAN BLUFFS
PRELIMINARY PLAT
DISTRIBUTION GRAPHIC

