

To:	Damon Mamalakos	From:	Maria Morris and Daryl Zerfass
	Armbruster Goldsmith & Delve LLP		Stantec
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Reference: Northlake Specific Plan Wildland Fire Evacuation Scenarios – Evacuation Time Estimates

This memorandum summarizes evacuation time estimates based on various wildland fire evacuation scenarios for the Northlake Specific Plan Development (Project). The Project is located east of the Interstate 5 (I-5) freeway and north of Lake Hughes Road in unincorporated Los Angeles County. The Project location is illustrated in **Figure 1**.

Firesafe Planning Solutions prepared a Wildland Fire Risk Report¹ for the Project. The Wildland Fire Risk Report provides an assessment of wildland fire risks to assess wildland fire intensity approaching the Project site. Information from the Wildland Fire Risk Report, such as time estimates for when a simulated wildland fire would reach certain locations within the Project site, was used to estimate the approximate time needed to evacuate the Project site under various wildland fire scenarios.

Assumptions

The following assumptions related to land use, vehicles/traffic volumes, roadway network, on-site evacuation routes, and Wildland Risk Report Alternatives, were used to estimate evacuation times.

The focus of this analysis is on Ridge Route Road within the Specific Plan area and south to Lake Hughes Road where Ridge Route Road enters the existing Castaic community. Conditions on Lake Hughes Road and on Ridge Route Road south of Lake Hughes Road can affect the overall capacity of vehicles passing through the Ridge Route Road/Lake Hughes Road intersection. For this analysis of the Specific Plan area, it is assumed that these downstream conditions are being actively managed by County emergency management personnel and that sufficient capacity is available to receive and/or stage the evacuating residents.

Land use

Evacuation times are estimated for three land use scenarios:

- Previously Approved Project
- Creek Avoidance Alternative (CAA)
- Partial Creek Avoidance Alternative (PCAA)

The analysis is based on a worst-case scenario in which all residents of dwelling units under evacuation are assumed to be at home and would attempt to evacuate using all available vehicles for each household. The

¹ Wildland Fire Risk Report Northlake Project, Firesafe Planning Solutions, April 2023.

Reference: Northlake Specific Plan Wildland Fire Evacuation Scenarios – Evacuation Time Estimates

analysis also considers the existing residential neighborhoods just south of the Project (i.e., Northlake Hills and Wildwood), which also rely on Ridge Route Road for evacuation.

Table 1 summarizes the total residential units that would be constructed with each alternative. The number of dwelling units that would evacuate under a fire varies by scenario and is discussed later in this report.

Table 1 Northlake Specific Plan Residential Units by Alternative

	Previously Approved Project	CAA	PCAA
Residential	3,150 DU (including 321 affordable housing units)	1,815 DU (including 165 affordable housing units)	3,150 DU (including 315 affordable housing units and 6 live-work market rate units)
DU = dwelling units; CAA = Creek Avoidance Alternative, PCAA = Partial Creek Avoidance Alternative			

Vehicles/Traffic Volume

The number of residential units and the average vehicle ownership per household in the Castaic community was used to estimate the potential number of Northlake vehicles that would need to be evacuated during a wildland fire event. According to the 2021 American Community Survey (shown in **Table 2**), approximately 42% of Castaic households own two vehicles, 20% own 3 vehicles, and 18% own 4 or more vehicles. In total, households in the Castaic community own an average of 2.34 vehicles per household.

Table 2 Vehicles Per Household in Castaic Community – American Community Survey

Number of Vehicles Available in Household	Households	% of Total
0	148	3%
1	953	17%
2	2,401	42%
3	1,144	20%
4+	1,010	18%
Total households in Castaic	5,656	100%
Total with 2 or more	4,555	80%
Weighted average per household	2.34	
Source: 2021 American Community Survey		

The Appendix B of the Wildland Fire Risk Report illustrates fire behavior modeling under 30 scenarios. With each scenario, the number of people at risk determines the number of dwelling units that would be a priority to evacuate (hereby referred to as priority area), which is estimated based on the area of impact as determined in the Wildland Fire Risk Report and is summarized in **Table 3**. The priority area is shown as a dark gray shaded area in the Wildland Fire Risk Report illustrations. In some instances, the entire Project area is in the priority area. The boundaries of the shaded area in the Wildland Fire Risk Report illustrations were overlayed on the Project's tract maps and the number of dwelling units within the dark gray shaded area was estimated. After the priority area has evacuated, the remainder of the Project area would

Reference: Northlake Specific Plan Wildland Fire Evacuation Scenarios – Evacuation Time Estimates

evacuate. **Table 4** summarizes the number of vehicles evacuating, which is based on a worst-case assumption of residents using all available vehicles to evacuate.

Table 3 Estimated Number of Evacuating Dwelling Units in the Priority Area per Alternative

Scenario		Previously Approved Project	CAA	PCAA
1	Route Fire Sim	1,108	651	927
2	SSWat40Spot	1,286	483	1,370
3	SSWat40Line	1,383	1,134	1,485
4	Sat40Line	0	0	0
5	FreewaySpotsat40	822	910	1,132
6	LakeSpotsat40	898	1,650	1,056
7	Neat70Line	570	826	0
8	NNEat70Line	842	767	963
9	Nat70Line	1,687	940	1,702
10	Templin Trigger	3,150	1,815	3,150

Table 4 Estimated Number of Evacuating Vehicles from the Priority Area per Alternative

Scenario		Previously Approved Project	CAA	PCAA
1	Route Fire Sim	2,593	1,524	2,169
2	SSWat40Spot	3,009	1,129	3,206
3	SSWat40Line	3,236	2,653	3,475
4	Sat40Line	0	0	0
5	FreewaySpotsat40	1,924	2,129	2,649
6	LakeSpotsat40	2,101	3,861	2,471
7	NEat70Line	1,334	1,932	0
8	NNEat70Line	1,970	1,795	2,253
9	Nat70Line	3,948	2,198	3,983
10	Templin Trigger	7,371	4,247	7,371
Dwelling Units x average vehicles per household (2.34) = total vehicles				

Reference: Northlake Specific Plan Wildland Fire Evacuation Scenarios – Evacuation Time Estimates

Roadway Network

An illustration of the on-site roadway network for the Previously Approved Project, CAA, and PCAA is shown in **Figure 2**. **Table 5** provides a description of the main on-site roadways that would be used during a wildland fire evacuation and the roadways' capacities. **Figure 3** illustrates the Approved Project's on-site roadway classifications for reference.

Table 5 Roadway Network and Roadway Capacity Summary

Name	Roadway	Classification/Number of Lanes ¹	Capacity per Direction (Free Flow Conditions ²)	Capacity per Direction (Congested Conditions ³)
Ridge Route Point 0	Existing Ridge Route Road from north of Northlake Boulevard to northerly project limits	Secondary Highway 2-lanes (1 in each direction)	VPHPL = 1,600 Total VPH = 1,600	VPHPL = 500 Total VPH = 500
Ridge Route Point 1	Ridge Route Road between Northlake Boulevard and "B" Street	Secondary Highway 4-lanes (2 in each direction)	VPHPL = 1,600 Total VPH = 3,200	VPHPL = 500 Total VPH = 1,000
Ridge Route Point 2	Ridge Route Road between "B" Street and existing school site	Secondary Highway 4-lanes (2 in each direction)	VPHPL = 1,600 Total VPH = 3,200	VPHPL = 500 Total VPH = 1,000
Ridge Route Point 3	Existing Ridge Route Road between existing school site to Pine Crest Place	Secondary Highway 4-lanes (2 in each direction)	VPHPL = 1,600 Total VPH = 3,200	VPHPL = 500 Total VPH = 1,000
Ridge Route Point 4	Existing Ridge Route Road between Pine Crest Place to Castaic Lake Drive	Secondary Highway 4-lanes (2 in each direction)	VPHPL = 1,600 Total VPH = 3,200	VPHPL = 500 Total VPH = 1,000
Evacuation Point 1	"B" Street	Local Collector 2-lanes (1 in each direction)	VPHPL = 1,600 Total VPH = 1,600	VPHPL = 500 Total VPH = 500
Evacuation Point 2	Northlake Boulevard	Modified Industrial Collector 4-lanes (2 in each direction)	VPHPL = 1,600 Total VPH = 3,200	VPHPL = 500 Total VPH = 1,000
Evacuation Point 3	"A" Street	Local Collector 2-lanes (1 in each direction)	VPHPL = 1,600 Total VPH = 1,600	VPHPL = 500 Total VPH = 500
VPHPL = vehicles per hour per lane; VPH = vehicles per hour ¹ Northlake Design Guidebook, April 2018. ² The County of Los Angeles typically uses a VPHPL of 1,600 in ideal conditions. ³ 500 VPHPL under congested conditions would equate to vehicles travelling at 2-3 miles per hour on average.				

Reference: Northlake Specific Plan Wildland Fire Evacuation Scenarios – Evacuation Time Estimates

As shown in **Table 5**, a conservative roadway capacity estimate of 500 vehicles per hour per lane (VPHPL) is used in this analysis to represent extreme congested conditions under a worst-case evacuation scenario. 500 VPHPL is based on the following parameters:

- 30-foot average headways
- average speeds between 2-3 miles per hour

On-Site Evacuation Routes

The Wildland Fire Risk Report identifies the following evacuation points within the on-site roadway network (see **Figure 4** for illustration):

- Evacuation Point 1: Ridge Route Road at B Street intersection.
- Evacuation Point 2: Ridge Route Road at Northlake Boulevard intersection.
- Evacuation Point 3: Existing Ridge Route Road at northernmost emergency access point/local collector road (since the specific location of this intersection varies between the Previously. Approved Specific Plan, CAA, and PCAA, the intersection is referred to as 3A, 3B, and 3C, respectively)

Traffic from the three evacuation points would proceed south along Ridge Route Road towards the Lake Hughes Road intersection. For a worst-case condition, this analysis assumes that no vehicles would be evacuated to the north towards Templin Highway.

Wildland Fire Risk Report Alternatives

The Wildland Fire Risk Report shows the expected path of fire scenarios across the landscape (wildland) and provides rough time limits for the arrival of the fire front at key locations surrounding the Project site. **Table 6** summarizes data from the Wildland Fire Risk Report for 30 unique scenarios showing the estimated allowable time limits for when locations are viable. The allowable time limit is based on the time an evacuation point closes (i.e., becomes impassable), and in some instances reopens, as shown in Appendix B of the Wildland Fire Risk Report. The allowable time limits are used to estimate how many vehicles can pass through various evacuation points and onto Ridge Route Road to exit the Project site. Detailed timetables are located in Appendix B of the Wildland Fire Risk Report and in the attached worksheets.

The Wildland Risk Report reports that Scenario 4 would not result in any impacts to the three evacuation points. All other scenarios would result in an unusable evacuation point within a certain amount of time.

Methodology

The estimated evacuation time is calculated based on factors including the population of the Project area, the average number of vehicles owned by each household, the relative location of households in relation to the roadway network, and the available roadway capacity. As described above, Appendix B of the Wildland Fire Risk Report illustrates fire behavior modeling for 30 scenarios and identifies priority areas required to evacuate under that particular scenario. The procedure used for calculating evacuation times is provided in the attached worksheets.

Reference: Northlake Specific Plan Wildland Fire Evacuation Scenarios – Evacuation Time Estimates

Table 6 Allowable Time Limits from Wildland Fire Risk Report

Scenario	Evac Pt 1	Evac Pt 2	Evac Pt 3A	Evac Pt 3B	Evac Pt 3C
1. Route Fire Sim	Prev. Approved Plan – No time constraints CAA – Closes in 90 min* (reopens after 60 min) PCAA – No time constraints	Prev. Approved Plan – 60 min (reopens after 30 min) CAA – 60 min (reopens after 30 min) PCAA – 60 min (reopens after 30 min)	Prev. Approved Plan – No time constraints CAA – N/A PCAA – N/A	Prev. Approved Plan – N/A CAA – 60 min* (remains closed) PCAA – N/A	Prev. Approved Plan – N/A CAA – N/A PCAA – 60 min* (remains closed)
2. SSWat40Spot	Prev. Approved Plan – No time constraints CAA – No time constraints PCAA – No time constraints	Prev. Approved Plan – 60 min (reopens after 30 min) CAA – No time constraints PCAA – No time constraints	Prev. Approved Plan – 60 min* (remains closed) CAA – N/A PCAA – N/A	Prev. Approved Plan – N/A CAA – 60 min* (remains closed) PCAA – N/A	Prev. Approved Plan – N/A CAA – N/A PCAA – 60 min* (remains closed)
3. SSWat40Line	Prev. Approved Plan – No time constraints CAA – No time constraints PCAA – No time constraints	Prev. Approved Plan – No time constraints CAA – No time constraints PCAA – No time constraints	Prev. Approved Plan – 60 min* (remains closed) CAA – N/A PCAA – N/A	Prev. Approved Plan – N/A CAA – 60 min* (remains closed) PCAA – N/A	Prev. Approved Plan – N/A CAA – N/A PCAA – 60 min* (remains closed)
4. Sat40Line	Prev. Approved Plan – No time constraints CAA – No time constraints PCAA – No time constraints	Prev. Approved Plan – No time constraints CAA – No time constraints PCAA – No time constraints	Prev. Approved Plan – No time constraints CAA – N/A PCAA – N/A	Prev. Approved Plan – N/A CAA – No time constraints PCAA – N/A	Prev. Approved Plan – N/A CAA – N/A PCAA – No time constraints
5. FreewaySpotsat 40	Prev. Approved Plan – 30 min (reopens after 90 min) CAA – 30 min (reopens after 90 min) PCAA – 30 min (reopens after 90 min)	Prev. Approved Plan – 30 min (reopens after 90 min) CAA – 30 min (reopens after 60 min) PCAA – 30 min (reopens after 90 min)	Prev. Approved Plan – 30 min* (reopens after 90 min) CAA – N/A PCAA – N/A	Prev. Approved Plan – N/A CAA – 30 min* (remains closed) PCAA – N/A	Prev. Approved Plan – N/A CAA – N/A PCAA – 30 min* (reopens after 90 min)
6. LakeSpotsat40	Prev. Approved Plan – 60 min* (reopens after 30 min) CAA – 60 min* (reopens after 30 min) PCAA – 60 min* (reopens after 30 min)	Prev. Approved Plan – No time constraints CAA – 90 min* (reopens after 30 min) PCAA – No time constraints	Prev. Approved Plan – No time constraints CAA – N/A PCAA – N/A	Prev. Approved Plan – N/A CAA – 120 min* (remains closed) PCAA – N/A	Prev. Approved Plan – N/A CAA – N/A PCAA – No time constraints
7. NEat70Line	Prev. Approved Plan – No time constraints	Prev. Approved Plan – No time constraints	Prev. Approved Plan – 0 min (closed for the first 4.75 hours of the fire)	Prev. Approved Plan – N/A CAA – 0 min (closed for the first 90 min of the fire)	Prev. Approved Plan – N/A CAA – N/A

Reference: Northlake Specific Plan Wildland Fire Evacuation Scenarios – Evacuation Time Estimates

	CAA – No time constraints No time constraints	CAA – No time constraints No time constraints	CAA – N/A PCAA – N/A	PCAA – N/A	PCAA – 0 min (remains closed for the entire duration of the fire)
8. NNEat70Line	Prev. Approved Plan – No time constraint for 4+ hours* (reopens after 30 min) CAA – No time constraint for 4+ hours* (reopens after 30 min) PCAA – No time constraint for 4+ hours* (reopens after 30 min)	Prev. Approved Plan – No time constraints CAA – 90 min (reopens after 30 min) PCAA – No time constraint for 4+ hours* (reopens after 30 min)	Prev. Approved Plan – 0 min* (closed for the first 4 hours of the fire) CAA – N/A PCAA – N/A	Prev. Approved Plan – N/A CAA – 0 min* (closed for the first 4 hours of the fire) PCAA – N/A	Prev. Approved Plan – N/A CAA – N/A PCAA – 0 min* (remains closed for the entire duration of the fire)
9. Nat70Line	Prev. Approved Plan – No time constraint for 4+ hours* (reopens after 30 min) CAA – No time constraint for 4+ hours* (reopens after 30 min) PCAA – No time constraint for 4+ hours* (reopens after 30 min)	Prev. Approved Plan – 60 min (reopens after 30 min) CAA – 60 min (reopens after 30 min) PCAA – 60 min (reopens after 30 min)	Prev. Approved Plan – 0 min* (remains closed for the entire duration of the fire) CAA – N/A PCAA – N/A	Prev. Approved Plan – N/A CAA – 0 min* (remains closed for the entire duration of the fire) PCAA – N/A	Prev. Approved Plan – N/A CAA – N/A PCAA – 0 min* (remains closed for the entire duration of the fire)
10. Templin Trigger	Prev. Approved Plan – No time constraint for 4+ hours* (reopens after 30 min) CAA – No time constraint for 4+ hours* (reopens after 30 min) PCAA – No time constraint for 4+ hours* (reopens after 30 min)	Prev. Approved Plan – No time constraints CAA – 60 min (reopens after 45 min) PCAA – 60 min (reopens after 45 min)	Prev. Approved Plan – 0 min (closed for the first 6 min of the fire) CAA – N/A PCAA – N/A	Prev. Approved Plan – N/A CAA – 0 min* (remains closed for the entire duration of the fire) PCAA – N/A	Prev. Approved Plan – N/A CAA – 0 min* (remains closed for the entire duration of the fire) PCAA – N/A
* Evac Point is not Limited at this point but the travel path for ingress/egress is Limited, such as closures on Ridge Route Road. Green highlight indicates that the exit point will be viable for four hours or more before it is Limited by the fire. Time in Parentheses () is the time period for this the exit is limited. N/A = not applicable Source: Wildland Fire Risk Report for the NorthLake Project, 2023					

Reference: Northlake Specific Plan Wildland Fire Evacuation Scenarios – Evacuation Time Estimates

With each alternative, Evacuation Point 1 would have one egress lane (500 vehicles per hour under congested conditions), Evacuation Point 2 would have two egress lanes (1,000 vehicles per hour under congested conditions), and Evacuation Point 3 would have one egress lane (500 vehicles per hour under congested conditions). The available capacity for each evacuation point is calculated in 15-minute intervals and an incremental assignment of Project vehicles is applied at each evacuation point until all vehicle demand has been satisfied. The total of the 15-minute intervals is the estimated evacuation time.

Regarding Ridge Route Road, the vehicle arrival rate at key points along Ridge Route Road is also calculated in 15-minute intervals. **Figure 4** shows the four key points on Ridge Route Road that a vehicle would need to pass through to exit the Project site. Ridge Route Point 1 is located just south of Northlake Boulevard and only vehicles from Evacuation Points 2 and 3 would pass through this point. Ridge Route Point 4 would have the greatest number of vehicles passing through as all vehicles from Evacuation Points 1, 2, and 3, as well as the existing Northlake Hills and Wildwood community would pass through this point.

Vehicles will utilize an evacuation point based on the location of the dwelling unit and the relative distance to the evacuation point. For example, units at the northern end of the Project would most likely use Evacuation Point 3, whereas the units located in the center of the Project would likely use Evacuation Points 1 or 2 to get to Ridge Route. Refinements to vehicle assignment consider the available roadway capacity for each scenario.

In certain scenarios, the Wildland Risk Fire Report indicates where certain evacuation points become unusable after a duration of time (i.e., 15 min, 30 min, 60 min, 90 min, 2 hours, etc.), and when the points reopen. In those instances, vehicles are rerouted to the next feasible evacuation point with available roadway capacity. For example, if the northerly Evacuation Point 3 is impassable after 60 minutes, all vehicles will reroute to use Evacuation Point 2. In general, when an evacuation point becomes impassable, the evacuation point would reopen once the fire passes that point.

There are instances where Ridge Route Road would be impassable and evacuation would close for a period. The Wildland Risk Fire Report describes that residents would “shelter in place” if necessary and the community with its built-in fire protection (defensible space, fuel modification, hardening of the structures, and required maintenance), placement of the structures on the topography, overall orientation to the fuels, wind, and slope, and nested (safe center) configuration would facilitate a “shelter in place” decision. The Wildland Risk Fire Report also states that while “shelter in place” is never a first option, history shows that moving populations once the fire has arrived has increased risk and “shelter in place” should be attempted when safe alternative exists.

Evacuation Estimates

Based on the assumptions and methodology described above, evacuation times were estimated for the 30 scenarios and are summarized in **Table 7**.

For example, the following discussion describes how the evacuation time was calculated for the Route Fire Simulation based on the Partial Creek Avoidance Alternative:

1. The number of dwelling units and vehicles in the priority area are estimated. The PCAA Density Exhibit (Sikand, 2022) is used to identify the total number of units under this alternative, the location of each planning area, and the number of dwelling units in each planning area. Phase 2 land use

Reference: Northlake Specific Plan Wildland Fire Evacuation Scenarios – Evacuation Time Estimates

was estimated using an average 12.5 units per acre for each planning area. Under the PCAA, a total of 3,150 residential units would be developed.

In Appendix B of the Wildland Risk Fire Report, a dark gray shaded area is shown in the model output summary sheets, which represents the area of people at risk (priority area). The priority area would be first to evacuate their homes. The dark gray shaded area was overlayed on the PCAA Density Exhibit and the number of dwelling units in the priority area is estimated. The number of dwelling units in the priority area is then converted to the number of vehicles that would evacuate. In this scenario, approximately 927 units are in the priority area and approximately 2,169 vehicles would evacuate based on the average vehicle ownership factor for the Castaic area of 2.34 vehicles per household ($927 \text{ units} \times 2.34 \text{ vehicles/unit} = 2,169 \text{ vehicles}$). A full evacuation of the Project site would include 3,150 units and approximately 7,371 vehicles.

2. Next, viable evacuation points are identified based on allowable time limits. With the PCAA Alternative, there are three evacuation points leading onto Ridge Route Road, which is the Project site's primary egress route. For a worst-case analysis, it is assumed that roadway capacity for a single lane under an evacuation is reduced to 125 vehicles per 15 minutes (maximum of 500 VPHPL) due to potential factors such as traffic congestion or vehicles driving at lower speeds due to the environment (e.g., smoke, wind, debris, watching the fire). Allowable time limits for each of the three evacuation points are taken from Appendix B of the Wildland Fire Risk Report, with evacuations beginning approximately 15 minutes after the fire is spotted at a critical location.

In this scenario, Evacuation Point 1 ("B" Street) is not impacted by the fire and would remain a viable exit route to access Ridge Route Road. As the fire spots over the southbound I-5 at 60 minutes, Evacuation Point 2 (Northlake Boulevard), Evacuation Point 3C ("A" Street), and Ridge Route Point 0 (Ridge Route Road north of Northlake Boulevard) are impacted by the fire and become impassable. In other words, for the first hour vehicles from the priority area can use any of the three evacuation points. When Evacuation Point 2 and Evacuation Point 3C close, vehicles would reroute to Evacuation Point 1 only. When Evacuation Point 2 reopens (approximately 30 minutes after closure), vehicles would reroute to use Evacuation Point 2 and Evacuation Point 1 to access Ridge Route Road until remaining vehicles from the priority area evacuate. Evacuation Point 3C does not reopen in this scenario. The remainder of the Project evacuates after the priority area in the event a mandatory evacuation order is activated for the entire Project site. Methods to reroute vehicles due to closures could be included in an evacuation plan for the Project.

3. Vehicles are distributed to evacuation points. The number of vehicles distributed to an evacuation point is based on the time limitations described above, available roadway capacity, and distance from the residential unit to the evacuation point.

In this scenario, most of the priority area is adjacent to Northlake Boulevard. More vehicles would use Northlake Boulevard to evacuate as it is a 2-lane lane roadway that could accommodate twice as many vehicles as "B" Street (Evacuation Point 1) and "A" Street (Evacuation Point 3C). Northlake Boulevard could accommodate approximately 250 vehicles per 15 minutes compared to "B" Street and "A" Street, where the one-lane egress could accommodate approximately 125 vehicles per 15 minutes. However, if vehicles from the priority area are leaving at the same time, drivers may make the choice to use an alternate route from Northlake Boulevard. This analysis assumes that vehicles from the most northerly homes in the priority area chose to use Evacuation

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Point 3C (“A” Street) because it would have fewer vehicles using that route and would bypass downstream traffic on Northlake Boulevard. Similarly, some vehicles from the middle section of the priority area could choose to use Evacuation Point 1 to bypass traffic originating from the southerly portion of the priority area. An evacuation plan for the community could have emergency personnel directing vehicles to different evacuation points to evenly distribute traffic and prevent a bottleneck on Ridge Route Road at Northlake Boulevard.

As shown in the attached worksheets, the available capacity for each evacuation point is calculated in 15-minute intervals and an incremental assignment of Project vehicles is applied at each evacuation point until all vehicle demand has been satisfied. The total of the 15-minute intervals is the estimated evacuation time. In this instance, it would take approximately 1.75 hours (105 minutes) to evacuate 927 DU (2,169 vehicles) from the priority area of the Project and 4.5 hours (270 minutes) to evacuate the entire Project of 3,150 DU (7,371 vehicles).

Table 7 summarizes the estimated evacuation times (see attached summary table and worksheets for detailed assumptions and calculations) and the number of vehicles estimated to evacuate within the allowable time limits.

Table 7 Estimated Evacuation Time Summary

Scenario	Previously Approved Project	CAA	PCAA
1. Route Fire Sim	2 hours to evacuate 1,108 DU (2,593 vehicles) from the priority evacuation area of the Project. 4.5 hours to evacuate entire Project 3,150 DU (7,371 vehicles).	1 hour to evacuate 651 DU (1,524 vehicles) from the priority evacuation area of the Project. 3 hours to evacuate entire Project 1,815 DU (4,247 vehicles).	1.75 hours to evacuate 927 DU (2,169 vehicles) from the priority evacuation area of the Project. 4.5 hours to evacuate entire Project 3,150 DU (7,371 vehicles).
2. SSWat40Spot	2.25 hours to evacuate 1,286 DU (3,009 vehicles) from the priority evacuation area of the Project. 4.5 hours to evacuate entire Project 3,150 DU (7,371 vehicles).	45 minutes to evacuate 483 DU (1,129 vehicles) from the priority evacuation area of the Project. 2.5 hours to evacuate entire Project 1,815 DU (4,247 vehicles).	2 hours to evacuate 1,370 DU (3,206 vehicles) from the priority evacuation area of the Project. 4.25 hours to evacuate entire Project 3,150 DU (7,371 vehicles).
3. SSWat40Line	2 hours to evacuate 1,383 DU (3,236 vehicles) from the priority evacuation area of the Project. 4.25 hours to evacuate entire Project 3,150 DU (7,371 vehicles).	1.5 hour to evacuate 1,134 DU (2,653 vehicles) from the priority evacuation area of the Project. 2.5 hours to evacuate entire Project 1,815 DU (4,247 vehicles).	2.25 hours to evacuate 1,485 DU (3,475 vehicles) from the priority evacuation area of the Project. 4.25 hours to evacuate entire Project 3,150 DU (7,371 vehicles).
4. Sat40Line	No priority area, total evacuation shown for information purposes:	No priority area, total evacuation shown for information purposes:	No priority area, total evacuation shown for information purposes:

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	3.5 hours to evacuate entire Project 3,150 DU (7,371 vehicles).	2 hours to evacuate entire Project 1,815 DU (4,247 vehicles).	3.5 hours to evacuate entire Project 3,150 DU (7,371 vehicles).
5. FreewaySpotsat40	2.5 hours to evacuate 822 DU (1,924 vehicles) from the priority evacuation area of the Project. 5 hours to evacuate entire Project 3,150 DU (7,371 vehicles).	3.25 hours to evacuate 910 DU (2,129 vehicles) from the priority evacuation area of the Project. 4.5 hours to evacuate entire Project 1,815 DU (4,247 vehicles).	2.75 hours to evacuate 1,132 DU (2,649 vehicles) from the priority evacuation area of the Project. 5 hours to evacuate entire Project 3,150 DU (7,371 vehicles).
6. LakeSpotat40	1.25 hours to evacuate 898 DU (2,101 vehicles) from the priority evacuation area of the Project. 3.5 hours to evacuate entire Project 3,150 DU (7,371 vehicles).	2.5 hours to evacuate 1,650 DU (3,861 vehicles) from the priority evacuation area of the Project. 2.5 hours to evacuate entire Project 1,815 DU (4,247 vehicles).	1.5 hours to evacuate 1,056 DU (2,471 vehicles) from the priority evacuation area of the Project. 3.5 hours to evacuate entire Project 3,150 DU (7,371 vehicles).
7. Neat70Line	1 hour to evacuate 570 DU (1,334 vehicles) from the priority evacuation area of the Project. 4.5 hours to evacuate entire Project 3,150 DU (7,371 vehicles).	1.5 hours to evacuate 826 DU (1,932 vehicles) from the priority evacuation area of the Project. 2.5 hours to evacuate entire Project 1,815 DU (4,247 vehicles).	No priority area, total evacuation shown for information purposes: 4.5 hours to evacuate entire Project 3,150 DU (7,371 vehicles).
8. NNEat70Line	1.5 hour to evacuate 842 DU (1,970 vehicles) from the priority evacuation area of the Project. 4.75 hours to evacuate entire Project 3,150 DU (7,371 vehicles).	1.25 hours to evacuate 767 DU (1,795 vehicles) from the priority evacuation area of the Project. 2.75 hours to evacuate entire Project 1,815 DU (4,247 vehicles).	1.75 minutes to evacuate 963 DU (2,253 vehicles) from the priority evacuation area of the Project. 4.5 hours to evacuate entire Project 3,150 DU (7,371 vehicles).
9. Nat70Line	3.5 hours to evacuate 1,687 DU (3,948 vehicles) from the priority evacuation area of the Project. 5.75 hours to evacuate entire Project 3,150 DU (7,371 vehicles).	2.5 hours to evacuate 940 DU (2,198 vehicles) from the priority evacuation area of the Project. 3.5 hours to evacuate entire Project 1,815 DU (4,247 vehicles).	3.5 hours to evacuate 1,702 DU (3,983 vehicles) from the priority evacuation area of the Project. 5.25 hours to evacuate entire Project 3,150 DU (7,371 vehicles).
10. Templin Trigger	3.75 hours to evacuate entire Project 3,150 DU (7,371 vehicles).	3.25 hours to evacuate entire Project 1,815 DU (4,247 vehicles).	5.5 hours to evacuate entire Project 3,150 DU (7,371 vehicles).
DU = dwelling units			

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Evacuation Estimate Conclusions

1. Route Fire Sim Scenario

Under the Previously Approved Project, Evacuation Point 1 has no closure limit and Evacuation Point 2 closes at 60 minutes and reopens at 90 minutes (from the start of the fire). Evacuation Point 3A (“B” Street”) has no limit, however, Ridge Route Road in between “B” Street and Northlake Boulevard (Route Point 0) closes at 60 minutes and does not reopen. Therefore, Evacuation Point 3A would be unusable because of no access to Ridge Route. It would take approximately 2 hours to evacuate the priority area (approximately 2,593 vehicles) and approximately 4.5 hours to evacuate the entire community. Thus, full evacuation can successfully take place given the limitation of Evacuation Point 2 and the closure of Evacuation Point 3A as Evacuation Point 1 never closes and Evacuation Point 2 reopens after 90 minutes.

Under the CAA, Evacuation Point 1 closes at 90 minutes and reopens at 150 minutes (from the start of the fire) and Evacuation Point 2 closes at 60 minutes and reopens at 90 minutes (from the start of the fire). Evacuation Point 3B closes at 60 minutes and does not reopen. It would take approximately 1 hour to evacuate the priority area (approximately 1,524 vehicles) and approximately 3 hours to evacuate the entire community. Thus, full evacuation can successfully take place given the limitation of Evacuation Point 1 and Evacuation Point 2 and the closure of Evacuation Point 3B as Evacuation Point 1 reopens after 150 minutes and Evacuation Point 2 reopens after 90 minutes.

Under the PCAA, Evacuation Point 1 has no closure limit and Evacuation Point 2 closes at 60 minutes and reopens at 90 minutes (from the start of the fire). Evacuation Point 3C closes at 60 minutes and does not reopen. It would take approximately 1.75 hours to evacuate the priority area (approximately 2,169 vehicles) and approximately 4.5 hours to evacuate the entire community. Thus, full evacuation can successfully take place given the limitation of Evacuation Point 2 and the closure of Evacuation Point 3C as Evacuation Point 1 never closes and Evacuation Point 2 reopens after 90 minutes.

2. SSWat40Spot Scenario

Under the Previously Approved Project, Evacuation Point 1 has no closure limit and Evacuation Point 2 closes at 60 minutes and reopens at 90 minutes (from the start of the fire). Evacuation Point 3A closes at 60 minutes and does not reopen. It would take approximately 2.25 hours to evacuate the priority area (approximately 3,009 vehicles) and approximately 4.5 hours to evacuate the entire community. Thus, full evacuation can successfully take place given the limitation of Evacuation Point 2 and the closure of Evacuation Point 3A as Evacuation Point 1 never closes and Evacuation Point 2 reopens after 90 minutes.

Under the CAA, Evacuation Point 1 and Evacuation Point 2 have no closure limits. Evacuation Point 3B closes at 60 minutes and does not reopen. It would take approximately 45 minutes to evacuate the priority area (approximately 1,129 vehicles) and approximately 2.5 hours to evacuate the entire community. Thus, full evacuation can successfully take place given the limitation of Evacuation Point 3B as Evacuation Point 1 and Evacuation Point 2 never closes.

Under the PCAA, Evacuation Point 1 and Evacuation Point 2 have no closure limits. Evacuation Point 3C closes at 60 minutes and does not reopen. It would take approximately 2 hours to evacuate the priority area (approximately 3,206 vehicles) and approximately 4.25 hours to evacuate the entire community. Thus, full evacuation can successfully take place given the limitation of Evacuation Point 3C as Evacuation Point 1 and Evacuation Point 2 never close.

Reference: Northlake Specific Plan Wildland Fire Evacuation Scenarios – Evacuation Time Estimates

3. SSWat40Line Scenario

Under the Previously Approved Project, Evacuation Point 1 and Evacuation Point 2 have no closure limit and Evacuation Point 3A closes at 60 minutes and does not reopen. It would take approximately 2 hours to evacuate the priority area (approximately 3,236 vehicles) and approximately 4.25 hours to evacuate the entire community. Thus, full evacuation can successfully take place given the closure of Evacuation Point 3A as Evacuation Point 1 and Evacuation Point 2 never close.

Under the CAA, Evacuation Point 1 and Evacuation Point 2 have no closure limits. Evacuation Point 3B closes at 60 minutes and does not reopen. It would take approximately 1.5 hours to evacuate the priority area (approximately 2,653 vehicles) and approximately 2.5 hours to evacuate the entire community. Thus, full evacuation can successfully take place given the limitation of Evacuation Point 3B as Evacuation Point 1 and Evacuation Point 2 never close.

Under the PCAA, Evacuation Point 1 and Evacuation Point 2 have no closure limits. Evacuation Point 3C closes at 60 minutes and does not reopen. It would take approximately 2.25 hours to evacuate the priority area (approximately 3,475 vehicles) and approximately 4.25 hours to evacuate the entire community. Thus, full evacuation can successfully take place given the limitation of Evacuation Point 3C as Evacuation Point 1 and Evacuation Point 2 never close.

4. Sat40Line Scenario

Under the Previously Approved Project, all evacuation points have no closure limit. It would take approximately 3.5 hours to evacuate the entire community. Thus, full evacuation can successfully take place given all evacuation points never close.

Under the CAA, all evacuation points have no closure limit. It would take approximately 2 hours to evacuate the entire community. Thus, full evacuation can successfully take place given all evacuation points never close.

Under the PCAA, all evacuation points have no closure limit. It would take approximately 3.5 hours to evacuate the entire community. Thus, full evacuation can successfully take place given all evacuation points never close.

5. FreewaySpotsat40 Scenario

Under the Previously Approved Project, all evacuation points close at 30 minutes and reopen at 120 minutes (from the start of the fire). In addition, Ridge Route Point 0, 1, 2, and 3 all close at 30 minutes and reopen at 120 minutes (from the start of the fire). During the closure, those at risk in the priority area may need to move to an area of refuge if a shelter in place decision has not been made by emergency personnel. When the closures have been lifted at 120 minutes, evacuation may resume. It would take approximately 2.5 hours to evacuate the priority area (approximately 1,924 vehicles) and approximately 5 hours to evacuate the entire community. Thus, full evacuation can successfully take place given the limitation of all evacuation points and Ridge Route Road closures as they all reopen after 120 minutes.

Under the CAA, all evacuation points close at 30 minutes. Evacuation Point 1 reopens at 120 minutes (from the start of the fire) and Evacuation Point 2 reopens at 150 minutes (from the start of the fire). Evacuation Point 3B does not reopen. In addition, Ridge Route Points 1, 2, and 3 all close at 30 minutes and reopen at

Reference: Northlake Specific Plan Wildland Fire Evacuation Scenarios – Evacuation Time Estimates

120 minutes (from the start of the fire). During the closure, those at risk in the priority area may need to move to an area of refuge if a shelter in place decision has not been made by emergency personnel. When the Ridge Route Road closures have been lifted at 120 minutes, evacuation may resume. It would take approximately 3.25 hours to evacuate the priority area (approximately 2,129 vehicles) and approximately 4.5 hours to evacuate the entire community. Thus, full evacuation can successfully take place given the limitation of all evacuation points and Ridge Route Road closures as Ridge Route Points 1, 2, and 3 reopen at 120 minutes and Evacuation Point 2 reopens at 150 minutes.

Under the PCAA, all evacuation points close at 30 minutes and reopen at 120 minutes (from the start of the fire). In addition, Ridge Route Point 0, 1, 2, and 3 all close at 30 minutes and reopen at 120 minutes (from the start of the fire). During the closure, those at risk in the priority area may need to move to an area of refuge if a shelter in place decision has not been made by emergency personnel. When the closures have been lifted at 120 minutes, evacuation may resume. It would take approximately 2.75 hours to evacuate the priority area (approximately 2,649 vehicles) and approximately 5 hours to evacuate the entire community. Thus, full evacuation can successfully take place given the limitation of all evacuation points and Ridge Route Road closures as they all reopen after 120 minutes.

6. LakeSpotat40 Scenario

Under the Previously Approved Project, Evacuation Point 1 closes at 60 minutes and reopens at 90 minutes (from the start of the fire). Evacuation Point 2 and Evacuation Point 3A have no closure limits. Ridge Route Points 1, 2, and 3 close at 4 hours and reopen at 5 hours (from the start of the fire). During the Ridge Route closures, those at risk may need to move to an area of refuge if a shelter in place decision has not been made by emergency personnel. It would take approximately 1.25 hours to evacuate the priority area (approximately 2,101 vehicles) and approximately 3.5 hours to evacuate the entire community. Thus, full evacuation can successfully take place given the closure of Evacuation Point 1 as it reopens after 90 minutes.

Under the CAA, Evacuation Point 1 closes at 60 minutes and reopens at 90 minutes. Evacuation Point 2 closes at 90 minutes and reopens at 120 minutes. Evacuation Point 3B closes at 120 minutes and does not reopen. Ridge Route Points 1, 2, and 3 close at 4 hours and reopen at 5 hours (from the start of the fire). During the Ridge Route closures, those at risk may need to move to an area of refuge if a shelter in place decision has not been made by emergency personnel. It would take approximately 2.5 hours to evacuate the priority area (approximately 3,861 vehicles) and the entire community. Thus, full evacuation can successfully take place given the limitation of closures at all evacuation points as Evacuation Point 1 reopens at 90 minutes and Evacuation Point 2 reopens at 120 minutes.

Under the PCAA, Evacuation Point 1 closes at 60 minutes and reopens at 90 minutes (from the start of the fire). Evacuation Point 2 and Evacuation Point 3C have no closure limits. Ridge Route Points 1, 2, and 3 close at 4 hours and reopen at 5 hours (from the start of the fire). During the Ridge Route closures, those at risk may need to move to an area of refuge if a shelter in place decision has not been made by emergency personnel. It would take approximately 1.5 hours to evacuate the priority area (approximately 2,471 vehicles) and approximately 3.5 hours to evacuate the entire community. Thus, full evacuation can successfully take place given the closure of Evacuation Point 1 as it reopens after 90 minutes.

Reference: Northlake Specific Plan Wildland Fire Evacuation Scenarios – Evacuation Time Estimates

7. NEat70Line Scenario

Under the Previously Approved Project, Evacuation Point 1 and Evacuation Point 2 have no closure limits. Evacuation Point 3A is closed from the start of the fire and would not reopen until 5 hours (from the start of the fire). It would take approximately 1 hour to evacuate the priority area (approximately 1,334 vehicles) and approximately 4.5 hours to evacuate the entire community. Thus, full evacuation can successfully take place given the limitation of Evacuation Point 3A as Evacuation Point 1 and Evacuation Point 2 never close.

Under the CAA, Evacuation Point 1 and Evacuation Point 2 have no closure limits. Evacuation Point 3B is closed from the start of the fire and would not reopen until 105 minutes (from the start of the fire). It would take approximately 1.5 hours to evacuate the priority area (approximately 1,932 vehicles) and approximately 2.5 hours to evacuate the entire community. Thus, full evacuation can successfully take place given the limitation of Evacuation Point 3A as Evacuation Point 1 and Evacuation Point 2 never close.

Under the PCAA, Evacuation Point 1 and Evacuation Point 2 have no closure limits. Evacuation Point 3C would be closed for the duration of the fire and Ridge Route Point 0 closes after 45 minutes and would be closed for the duration of the fire. It would take approximately 4.5 hours to evacuate the entire community. Thus, full evacuation can successfully take place given the limitation of Evacuation Point 3C and Ridge Route Point 0 as Evacuation Point 1 and Evacuation Point 2 never close.

8. NNEat70Line Scenario

Under the Previously Approved Project, Evacuation Point 1 and Evacuation Point 2 have no closure limits. Evacuation Point 3A is closed from the start of the fire and would not reopen until 4.25 hours (from the start of the fire). Ridge Route Points 2 and 3 would close at 4 hours and reopen at 4.5 hours. During the Ridge Route closures those at risk may need to move to an area of refuge if a shelter in place decision has not been made by emergency personnel. It would take approximately 1.5 hours to evacuate the priority area (approximately 1,970 vehicles) and approximately 4.75 hours to evacuate the entire community. Thus, full evacuation can successfully take place given the limitation of Evacuation Point 3A as Evacuation Point 1 and Evacuation Point 2 never closes.

Under the CAA, Evacuation Point 1 and Evacuation Point 2 have no closure limits. Evacuation Point 3B is closed from the start of the fire and would not reopen until 4.25 hours (from the start of the fire). Ridge Route Points 2 and 3 would close at 4 hours and reopen at 4.5 hours. During the Ridge Route closures, those at risk may need to move to an area of refuge if a shelter in place decision has not been made by emergency personnel. It would take approximately 1.25 hours to evacuate the priority area (approximately 1,795 vehicles) and approximately 2.75 hours to evacuate the entire community. Thus, full evacuation can successfully take place given the limitation of Evacuation Point 3A as Evacuation Point 1 and Evacuation Point 2 never close.

Under the PCAA, Evacuation Point 1 and Evacuation Point 2 have no closure limits. Evacuation Point 3C would be closed for the duration of the fire. Ridge Route Points 2 and 3 would close at 4 hours and reopen at 4.5 hours. During the Ridge Route closures, those at risk may need to move to an area of refuge if a shelter in place decision has not been made by emergency personnel. It would take approximately 1.75 hours to evacuate the priority area (approximately 2,253 vehicles) and approximately 4.5 hours to evacuate the entire community. Thus, full evacuation can successfully take place given the limitation of Evacuation Point 3C as Evacuation Point 1 and Evacuation Point 2 never close.

Reference: Northlake Specific Plan Wildland Fire Evacuation Scenarios – Evacuation Time Estimates

9. Nat70Line Scenario

Under the Previously Approved Project, Evacuation Point 1 has no closure limit. Evacuation Point 2 closes at 90 minutes and reopens at 120 minutes (from the start of the fire). Evacuation Point 3A would be closed for the duration of the fire. Ridge Route Point 1 has no closure limits and Ridge Route Point 3 would be closed at 120 minutes and reopen at 150 minutes (from the start of the fire). Ridge Route Points 2 and 4 would close at 4 hours and reopen at 4.5 hours. During the closure of Ridge Route Road, those at risk in the priority area may need to move to an area of refuge if a shelter in place decision has not been made by emergency personnel. When the closures have been lifted at 150 minutes and again at 4.5 hours, evacuation may resume. It would take approximately 3.5 hours to evacuate the priority area (approximately 3,948 vehicles) and approximately 5.75 hours to evacuate the entire community. Thus, full evacuation can successfully take place given the closure of Evacuation Point 2 as it reopens after 120 minutes and closures of Ridge Route Road, as it reopens after 150 minutes.

Under the CAA, Evacuation Point 1 has no closure limit. Evacuation Point 2 closes at 60 minutes and reopens at 90 minutes (from the start of the fire). Evacuation Point 3B would be closed for the duration of the fire. Ridge Route Point 1 would close at 60 minutes and reopen at 90 minutes and Ridge Route Point 3 would be closed at 120 minutes and reopen at 150 minutes (from the start of the fire). Ridge Route Points 2 and 4 would close at 4 hours and reopen at 4.5 hours. During the closure of Ridge Route Road, those at risk in the priority area may need to move to an area of refuge if a shelter in place decision has not been made by emergency personnel. When the closures have been lifted at 90 minutes and again at 150 minutes, evacuation may resume. It would take approximately 2.5 hours to evacuate the priority area (approximately 2,198 vehicles) and approximately 3.5 hours to evacuate the entire community. Thus, full evacuation can successfully take place given the closure of Evacuation Point 2 as it reopens after 90 minutes and closures of Ridge Route Road, as it reopens after 90 minutes and 150 minutes.

Under the PCAA, Evacuation Point 1 has no closure limit. Evacuation Point 2 closes at 60 minutes and reopens at 90 minutes (from the start of the fire). Evacuation Point 3C would be closed for the duration of the fire. Ridge Route Point 1 has no closure limit and Ridge Route Point 3 would be closed at 120 minutes and reopen at 150 minutes (from the start of the fire). Ridge Route Points 2 and 4 would close at 4 hours and reopen at 4.5 hours. During the closure of Ridge Route Road, those at risk in the priority area may need to move to an area of refuge if a shelter in place decision has not been made by emergency personnel. When the closures have been lifted at 150 minutes and again at 4.5 hours, evacuation may resume. It would take approximately 3.5 hours to evacuate the priority area (approximately 3,983 vehicles) and approximately 5.25 hours to evacuate the entire community. Thus, full evacuation can successfully take place given the closure of Evacuation Point 2 as it reopens after 120 minutes and closures of Ridge Route Road, as it reopens after 150 minutes.

These scenarios result in the longest evacuation times due to a larger number of dwelling units within the priority area and all three evacuation points as well as segments on Ridge Route Road becoming impassible at one point in time (reopening at a later time).

10. Templin Trigger Scenario

Under the Previously Approved Project, Evacuation Point 1 and Evacuation Point 2 have no closure limits. Evacuation Point 3A would be closed from the start of the fire and open at 75 minutes. Ridge Route Point 1 has no closure limit and Ridge Route Point 3 would be closed at 4 hours and reopen at 4.5 hours (from the

Reference: Northlake Specific Plan Wildland Fire Evacuation Scenarios – Evacuation Time Estimates

start of the fire). Ridge Route Points 2 and 4 would close at 5 hours and reopen at 5.5 hours. During the closure of Ridge Route Road Point 2, 3, and 4, those at risk in the priority area may need to move to an area of refuge if a shelter in place decision has not been made by emergency personnel. When the closures have been lifted at 4.5 hours and again at 5.5 hours, evacuation may resume. It would take approximately 3.75 hours to evacuate the entire community. Thus, full evacuation can successfully take place given the limitation of Evacuation Point 3A and closures of Ridge Route Road, as full evacuation of the community could occur before their closures.

Under the CAA, Evacuation Point 1 has no closure limits and Evacuation Point 2 would close at 60 minutes and reopen at 90 minutes. Evacuation Point 3B would be closed for the duration of the fire. Ridge Route Point 1 would be closed at 60 minutes and reopen at 90 minutes and Ridge Route Point 3 would be closed at 4 hours and reopen at 4.5 hours (from the start of the fire). Ridge Route Points 2 and 4 would close at 5 hours and reopen at 5.5 hours. During the closure of Ridge Route Road Point 2, 3, and 4, those at risk in the priority area may need to move to an area of refuge if a shelter in place decision has not been made by emergency personnel. When the closures have been lifted for Ridge Route Point 2, 3, 4, evacuation may resume. It would take approximately 3.25 hours to evacuate the entire community. Thus, full evacuation can successfully take place given the limitation of Evacuation Point 3B and Evacuation Point 2, and closures of Ridge Route Road as they would reopen.

Under the PCAA, Evacuation Point 1 has no closure limit and Evacuation Point 2 would close at 60 minutes and reopen at 105 minutes. Evacuation Point 3C would be closed for the duration of the fire. Ridge Route Point 1 would be closed at 60 minutes and reopen at 90 minutes and Ridge Route Point 3 would be closed at 4 hours and reopen at 4.5 hours (from the start of the fire). Ridge Route Points 2 and 4 would close at 5 hours and reopen at 5.5 hours. During the closure of Ridge Route Road Point 2, 3, and 4, those at risk in the priority area may need to move to an area of refuge if a shelter in place decision has not been made by emergency personnel. When the closures have been lifted for Ridge Route Point 2, 3, 4, evacuation may resume. It would take approximately 5.5 hours to evacuate the entire community. Thus, full evacuation can successfully take place given the limitation of Evacuation Point 3C and Evacuation Point 2, and closures of Ridge Route Road as they would reopen.

As demonstrated above, in some scenarios southerly segments of Ridge Route Road become impassible after a certain amount of time and would reopen after a certain amount of time. This analysis assumes that evacuation would pause/close when Ridge Route is impassable. Although Ridge Route Road may be impassable, other areas of the Project are not affected. In this instance, an evacuation route directly onto the I-5 freeway from Ridge Route Road may be a feasible approach to provide an alternative to Ridge Route Road.

Cumulative Conditions

Information provided by the Los Angeles County Department of Regional Planning² indicates that there is only one cumulative project in the vicinity of the Project, the Centennial Specific Plan. This project will not utilize Ridge Route Road for access; therefore, traffic generation from this project would not affect the findings of the evacuation analysis presented above.

² Communication from Jodie Sackett, LA County DRP.

Reference: Northlake Specific Plan Wildland Fire Evacuation Scenarios – Evacuation Time Estimates

Off-site Recommendations

Evacuation of the Project and adjacent communities of Northlake Hills and Wildwood is dependent on having adequate traffic conditions within the existing Castaic community just south of the Project area. One potential constraint is the existing intersection of Ridge Route Road at Lake Hughes Road, through which all Northlake, Northlake Hills, and Wildwood traffic needs to pass through. The Ridge Route Road/Lake Hughes Road is currently configured as an all-way stop but will be upgraded to a traffic signal with development of the Project. During an evacuation, traffic flow through the intersection should be directly managed by emergency personnel to ensure a continual flow of traffic from the areas being evacuated.

Closure of the I-5 freeway during emergency situations will often result in freeway traffic being routed onto the roadways within the Castaic community. During an evacuation, this could impede the flow of traffic from the areas being evacuated. To avoid congestion caused by freeway diversion, freeway traffic should instead be rerouted further south, such as at the State Route 126 interchange, where roadways have greater capacity than the Castaic roadways.

Conclusion

Evacuation times for the proposed Project were estimated for 3 land use alternatives (Previously Approved Project, CAA, and PCAA) and 10 scenarios from the Wildland Fire Risk Report. The following summarizes key findings:

- All modeled scenarios would allow all vehicles to evacuate within the allowable time limit. This assumes that an evacuation point would only temporarily close (approximately one hour at most) and would reopen after the fire is no longer a threat to that area.
- One of the 10 modeled scenarios would not require any evacuation of the Project site (Scenario 4 Previously Approved Plan, CAA, and PCAA).
- The closure of the southerly segments of Ridge Route Road would result in a temporary pause on evacuations. Since Ridge Route Road is the only egress route, a “shelter in place” recommendation may be made in an event where Ridge Route Road cannot reopen.
- An evacuation route directly onto the I-5 freeway from Ridge Route Road would provide an alternative to Ridge Route Road but would require a substantial amount of evaluation and coordination with Caltrans to implement.
- During an evacuation, emergency personnel should directly manage the intersection of Ridge Route Road at Lake Hughes Road to ensure a continual flow of traffic from the areas being evacuated.
- To minimize the impact resulting from closure of the I-5 freeway during emergency situations, freeway traffic should be rerouted south of the Castaic community, such as at the State Route 126 interchange, where roadways have greater capacity than the Castaic roadways.

Please reach out to us if you would like to discuss this memorandum.

Reference: Northlake Specific Plan Wildland Fire Evacuation Scenarios – Evacuation Time Estimates

Sincerely,

STANTEC CONSULTING SERVICES INC.



Daryl Zerfass PE, PTP
Principal, Transportation Planning & Traffic Engineering
Phone: (949) 302-8995
Daryl.Zerfass@stantec.com



Maria Morris AICP, PTP
Senior Transportation Planner
Phone: (949) 923-6072
Maria.Morris@stantec.com

Attachments: Figure 1 Project Location Map
Figure 2 Land Use Alternatives
Figure 3 Previously Approved Project Mobility Plan
Figure 4 Evacuation Points
Estimated Evacuation Time Worksheets
Northlake Specific Plan Evacuation Route Assumptions and Estimated Evacuation Time Summary
Previously Approved TM Density Exhibit, Sikand
Creek Avoidance Density Exhibit, Sikand
Partial Creek Avoidance Density Exhibit, Sikand

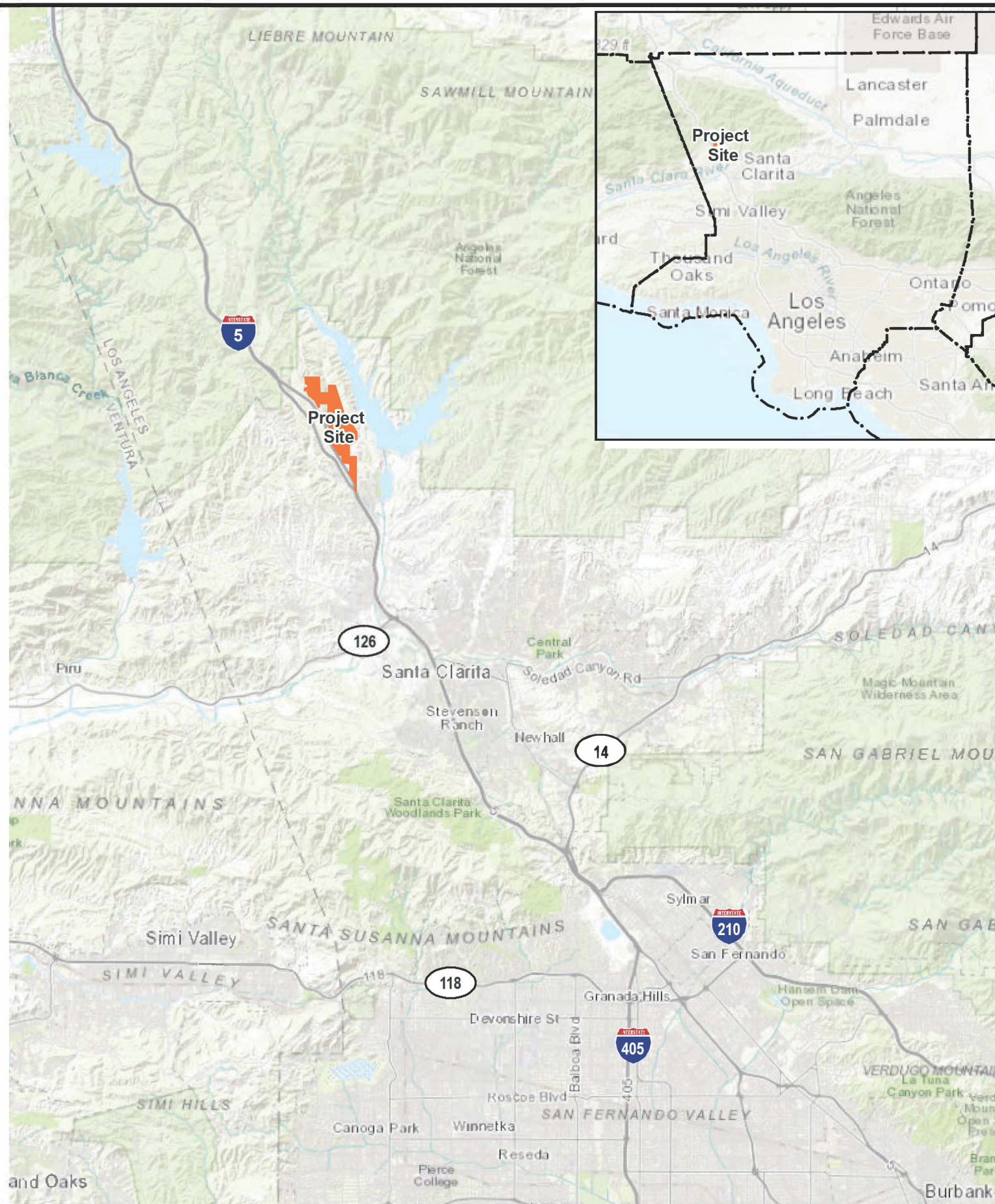
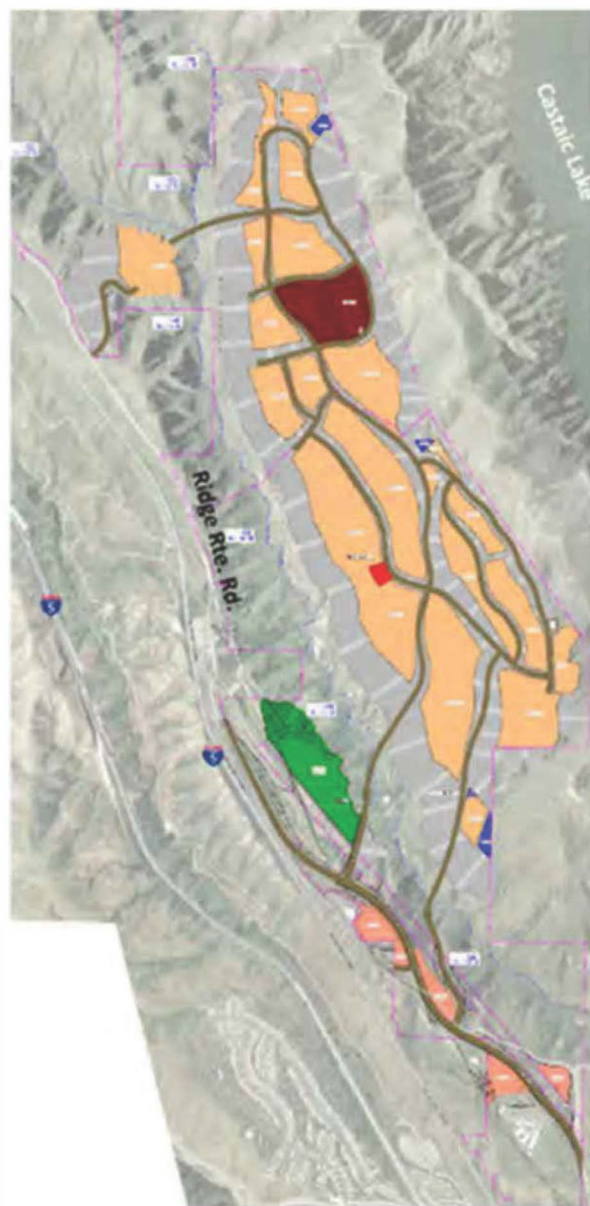


Figure 1

Project Location Map



PREVIOUSLY APPROVED PLAN



CREEK AVOIDANCE ALTERNATIVE



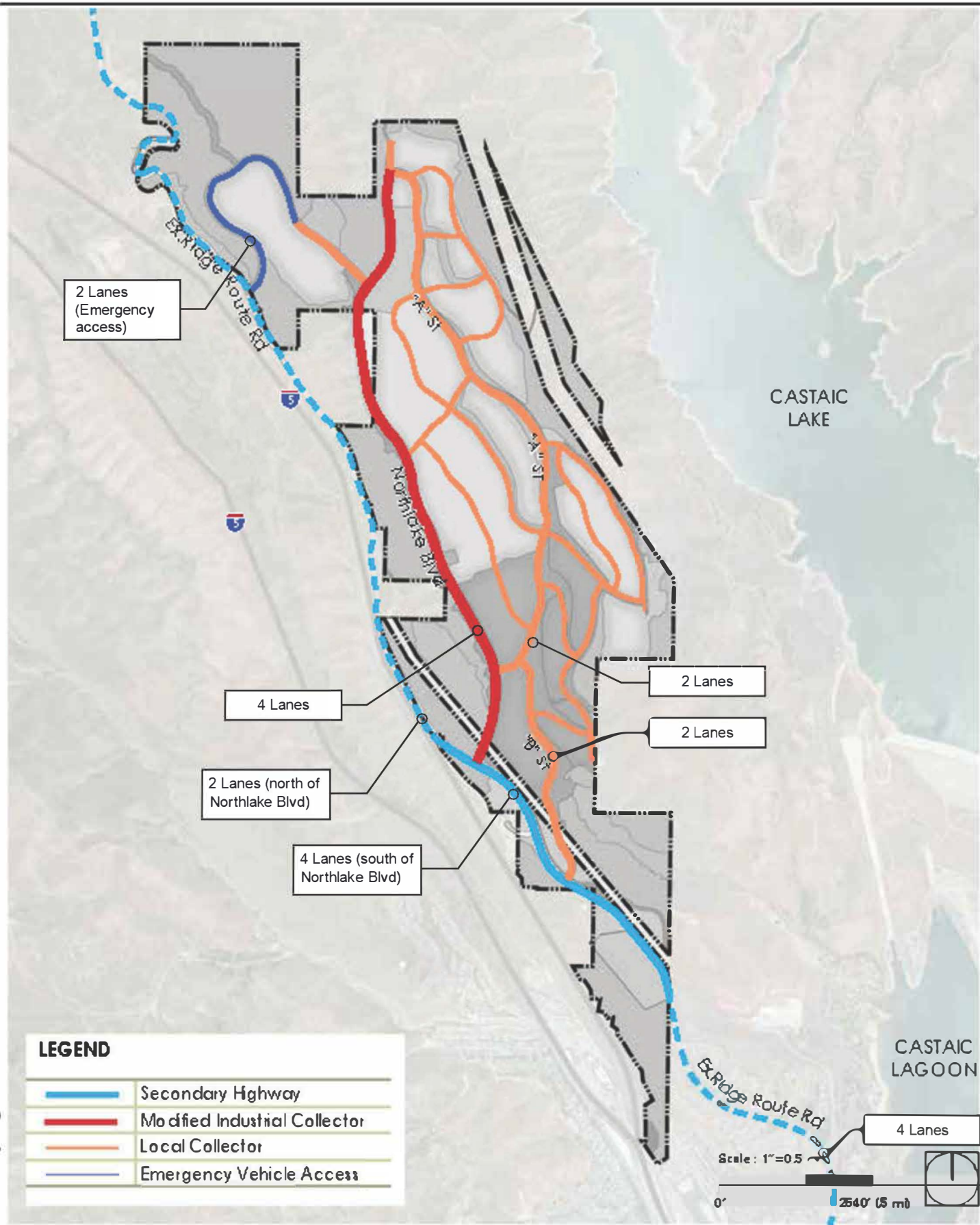
PARTIAL CREEK AVOIDANCE ALTERNATIVE

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Source: Wildland Fire Risk Report Northlake Specific Plan (2023)

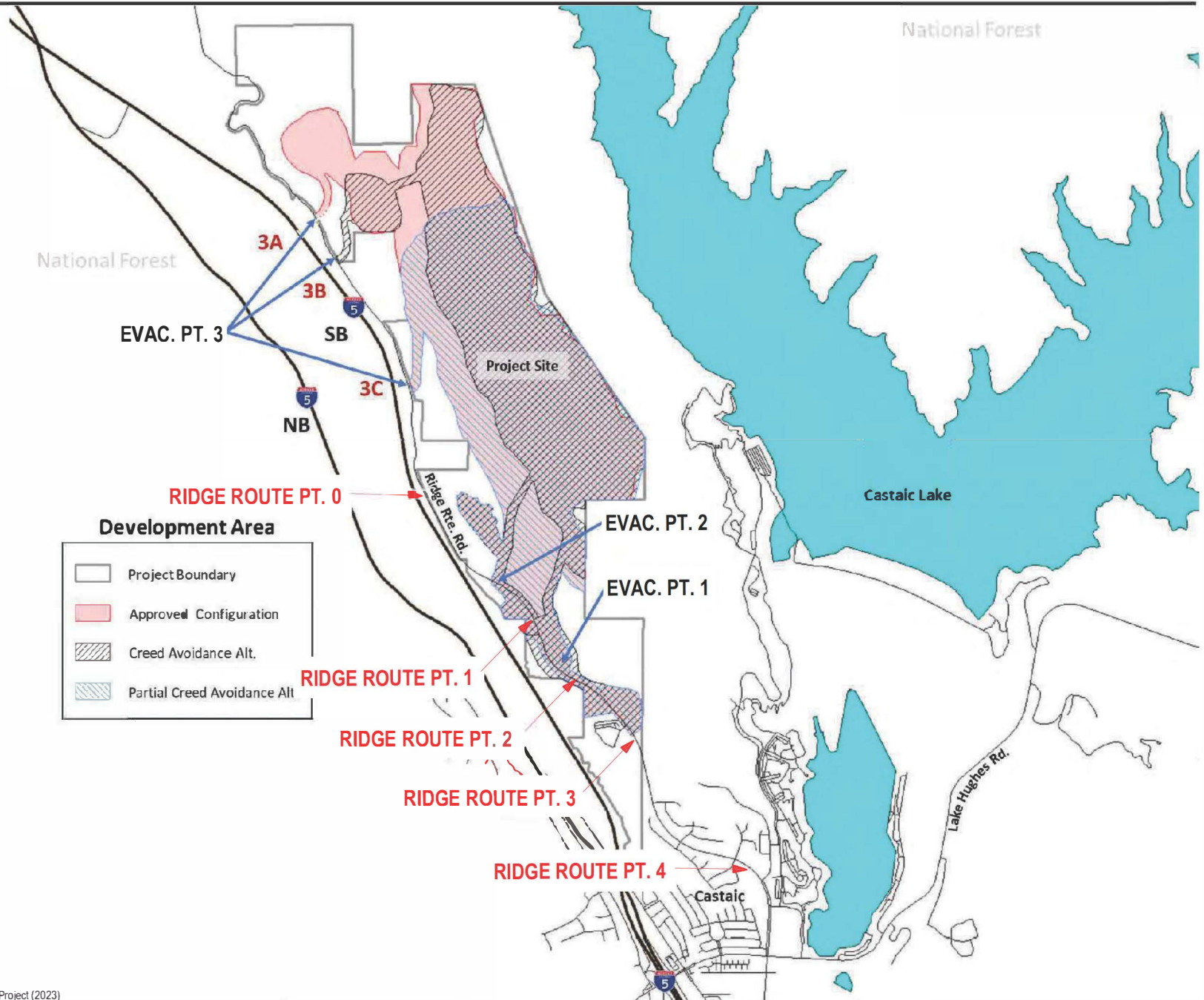


Figure 2
Land Use Alternatives



Source: Northlake Design Guidelines April 2018

Figure 3
Previously Approved Project Mobility Plan



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Source: Wildland Fire Risk Report Northlake Project (2023)



Figure 4
Key Evacuation Points

1. Route Fire Sim - Previously Approved Plan

Results: 2 hours to evacuate 1,108 DU (2,593 vehicles) from the priority evacuation area of the Project
4.5 hours to evacuate entire Project 3,150 DU (7,371 vehicles)

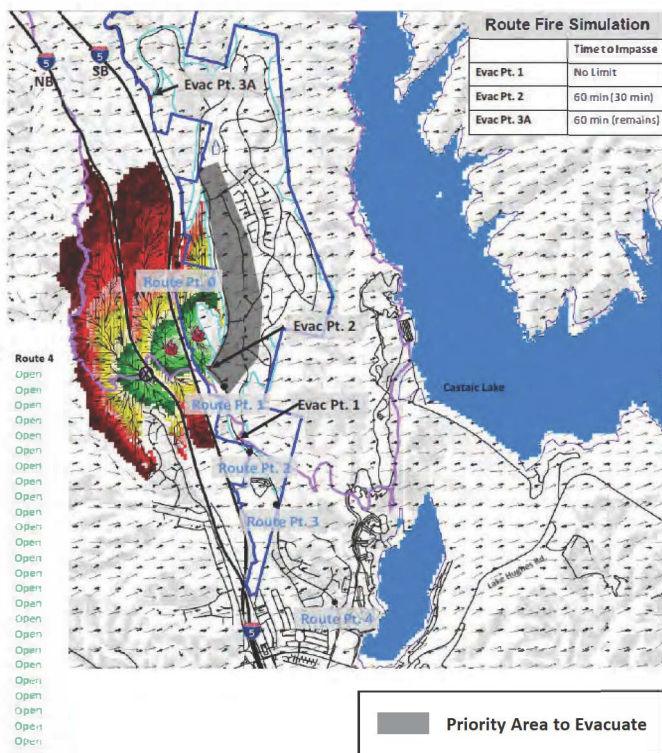
Vehicles from Priority Evacuation Area of the Project
Remaining Vehicles from Project Area

Description	Evac Pt. 3	Evac Pt. 2	Ridge Route Pt 1	Evac Pt. 1	Ridge Route Pt 2	Project Affordable Housing	Ridge Route Pt 3	Northlake Hills	Ridge Route Pt 4
Number of vehicles to evacuate from critical homes (in shaded area on map)	356	1,264	1,620	973	2,593	0	2,593	0	2,593
Number of lanes at evacuation point	1	2	--	1	--	2	--	1	--
Vehicles per hour (vph) - no congestion	1,600	3,200	--	1,600	--	1,600	--	1,600	--
Vehicles per hour (vph) - with congestion	500	1,000	--	500	--	1,000	--	500	--
Vehicles per 15 min	125	250	--	125	--	250	--	125	--
Time limit	No limit, however, Ridge Route Pt 0 closes at 60 Min	Closes at 60 Min, reopens in 90 Min	No limit	No limit	No limit	No limit	No limit	--	No limit

Vehicle Evacuation Shown in 15 Minute Intervals									
Time	A	B	A+B=C	D	C+D=E	F	E+F=G	H	G+H=I
	No. of Vehicles Passing Through Evac Pt. 3	No. of Vehicles Passing Through Evac Pt. 2	Total No. of Vehicles from Evac Pt. 3 and Evac Pt. 2 Passing Through Ridge Rt Pt. 1	No. of Vehicles Passing Through Evac Pt. 1	Total No. of Vehicles from Evac Pts. 3, 2 & 1 Passing Through Ridge Rt. Pt. 2	No. of Vehicles from Project AH Passing Through Ridge Rt south of B St	Total No. of Vehicles from Evac Pts. 3, 2, 1, & AH Passing Through Ridge Rt Pt. 3	No. of Vehicles from NH Passing Through Ridge Rt	Total No. of Vehicles from Evac Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt Pt. 4
15 Min	125	250	375	125	500	250	750	0	750
30 Min	250	500	750	250	1,000	500	1,500	0	1,500
45 Min	375	750	1,125	375	1,500	750	2,250	0	2,250
60 Min	375	750	1,125	500	1,625	751	2,376	0	2,376
75 Min	375	750	1,125	625	1,750	751	2,501	0	2,501
90 Min	375	1,000	1,375	750	2,125	751	2,876	0	2,876
105 Min	375	1,250	1,625	875	2,500	751	3,251	0	3,251
120 Min	375	1,500	1,875	1,000	2,875	751	3,626	0	3,626
135 Min	375	1,750	2,125	1,125	3,250	751	4,001	0	4,001
150 Min	375	2,000	2,375	1,250	3,625	751	4,376	0	4,376
165 Min	375	2,250	2,625	1,375	4,000	751	4,751	0	4,751
180 Min	375	2,500	2,875	1,500	4,375	751	5,126	0	5,126
195 Min	375	2,750	3,125	1,625	4,750	751	5,501	0	5,501
210 Min	375	3,000	3,375	1,750	5,125	751	5,876	0	5,876
225 Min	375	3,250	3,625	1,875	5,500	751	6,251	0	6,251
240 Min	375	3,500	3,875	2,000	5,875	751	6,626	0	6,626
255 Min	375	3,750	4,125	2,125	6,250	751	7,001	0	7,001
270 Min	375	4,000	4,375	2,250	6,625	751	7,376	0	7,376
285 Min	375	4,000	4,375	2,250	6,625	751	7,376	0	7,376

Existing Conditions prior to the Route Fire Previously Approved Development Added

Narrative: Fire begins as spot fires west of the northbound I-5 under a WSW Wind at 25 mph with the head fire moving to the northeast (branching to the north and south). At 30 min (elapsed time) fire spots over the NB I-5. The fire continues to burn ENE And spots over the SB I-5 impacting Ridge Route and Evac Point 2 at 60 min (elapsed time) and continues to burn to the north to the north and south along the Project Site.



Route Fire Sim 25 mph Approved		Evacuation to the South							
		Evac Pt. 1	Evac Pt. 2	Evac Pt. 3A	Evac Pt. 3B	Evac Pt. 3C	Route 0	Route 1	Route 2
15	0:15	Open	Open	Open	Open	Open	Open	Open	Open
30	0:30	Open	Open	Open	Open	Open	Open	Open	Open
45	0:45	Open	Open	Open	Open	Open	Open	Open	Open
60	1:00	Open	Closed	Open	Open	Open	Open	Open	Open
75	1:15	Open	Closed	Open	Open	Open	Open	Open	Open
90	1:30	Open	Open	Open	Open	Open	Open	Open	Open
105	1:45	Open	Open	Open	Open	Open	Open	Open	Open
120	2:00	Open	Open	Open	Open	Open	Open	Open	Open
135	2:15	Open	Open	Open	Open	Open	Open	Open	Open
150	2:30	Open	Open	Open	Open	Open	Open	Open	Open
165	2:45	Open	Open	Open	Open	Open	Open	Open	Open
180	3:00	Open	Open	Open	Open	Open	Open	Open	Open
195	3:15	Open	Open	Open	Open	Open	Open	Open	Open
210	3:30	Open	Open	Open	Open	Open	Open	Open	Open
225	3:45	Open	Open	Open	Open	Open	Open	Open	Open
240	4:00	Open	Open	Open	Open	Open	Open	Open	Open
255	4:15	Open	Open	Open	Open	Open	Open	Open	Open
270	4:30	Open	Open	Open	Open	Open	Open	Open	Open
285	4:45	Open	Open	Open	Open	Open	Open	Open	Open
300	5:00	Open	Open	Open	Open	Open	Open	Open	Open
315	5:15	Open	Open	Open	Open	Open	Open	Open	Open
330	5:30	Open	Open	Open	Open	Open	Open	Open	Open
345	5:45	Open	Open	Open	Open	Open	Open	Open	Open
360	6:00	Open	Open	Open	Open	Open	Open	Open	Open
375	6:15	Open	Open	Open	Open	Open	Open	Open	Open
390	6:30	Open	Open	Open	Open	Open	Open	Open	Open
405	6:45	Open	Open	Open	Open	Open	Open	Open	Open
420	7:00	Open	Open	Open	Open	Open	Open	Open	Open

1. Route Fire Sim - Creek Avoidance Alt.

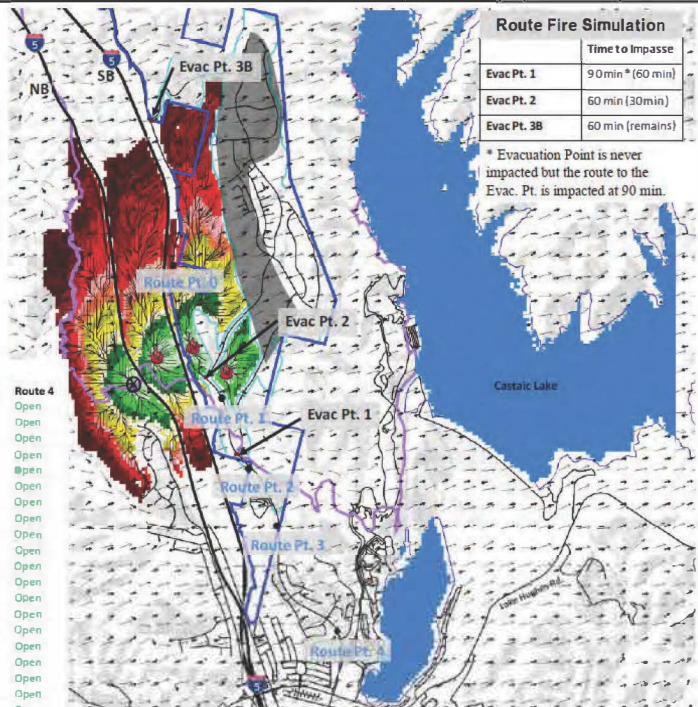
Results: 1 hour to evacuate 651 DU (1,524 vehicles) from the priority evacuation area of the Project
3 hours to evacuate 1,815 DU entire Project (4,247 vehicles)

Vehicles from Priority Evacuation Area of the Project
Remaining Vehicles from Project Area

Description	Evac Pt. 3	Evac Pt. 2	Ridge Route Pt 1	Evac Pt. 1	Ridge Route Pt 2	Project Affordable Housing	Ridge Route Pt 3	Northlake Hills	Ridge Route Pt 4
Number of vehicles to evacuate from critical homes (in shaded area on map)	365	728	1,093	431	1,524	0	1,524	0	1,524
Number of lanes at evacuation point	1	2	--	1	--	2	--	1	--
Vehicles per hour (vph) - no congestion	1,600	3,200	--	1,600	--	1,600	--	1,600	--
Vehicles per hour (vph) - with congestion	500	1,000	--	500	--	1,000	--	500	--
Vehicles per 15 min	125	250	--	125	--	250	--	125	--
Time limit	Closes at 60 Min, Ridge Route Pt 0 closes at 60 Min	Closes at 60 Min, reopens at 90 Min	No limit	Closes at 90 Min, opens at 150 Min	No limit	No limit	No limit	--	No limit
Vehicle Evacuation Shown in 15 Minute Intervals									
	A	B	A+B=C	D	C+D=E	F	E+F=G	H	G+H=I
Time	No. of Vehicles Passing Through Evac Pt. 3	No. of Vehicles Passing Through Evac Pt. 2	Total No. of Vehicles from Evac Pt. 3 and Evac Pt. 2 Passing Through Ridge Rt Pt. 1	No. of Vehicles Passing Through Evac Pt. 1	Total No. of Vehicles from Evac Pts. 3, 2 & 1 Passing Through Ridge Rt. Pt. 2	No. of Vehicles from Project AH Passing through Ridge Rt south of B St	Total No. of Vehicles from Evac Pts. 3, 2, 1, & AH Passing Through Ridge Rt Pt. 3	No. of Vehicles from NH Passing Through Ridge Rt	Total No. of Vehicles from Evac Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt Pt. 4
15 Min	125	250	375	125	500	250	750	0	750
30 Min	250	500	750	250	1,000	386	1,386	0	1,386
45 Min	375	750	1,125	375	1,500	386	1,886	0	1,886
60 Min	375	750	1,125	500	1,625	386	2,011	0	2,011
75 Min	375	750	1,125	625	1,750	386	2,136	0	2,136
90 Min	375	1,000	1,375	625	2,000	386	2,386	0	2,386
105 Min	375	1,250	1,625	625	2,250	386	2,636	0	2,636
120 Min	375	1,500	1,875	625	2,500	386	2,886	0	2,886
135 Min	375	1,750	2,125	625	2,750	386	3,136	0	3,136
150 Min	375	2,000	2,375	750	3,125	386	3,511	0	3,511
165 Min	375	2,250	2,625	875	3,500	386	3,886	0	3,886
180 Min	375	2,500	2,875	1,000	3,875	386	4,261	0	4,261
195 Min	375	2,500	2,875	1,000	3,875	386	4,261	0	4,261

Existing Conditions prior to the Route Fire Creek Avoidance Development Added

Narrative: Fire begins as spot fires west of the northbound I-5 under a WSW Wind at 25 mph with the head fire moving to the northeast (branching to the north and south). At 30 min (elapsed time) fire spots over the NB I-5. The fire continues to burn ENE And spots over the SB I-5 impacting Ridge Route and Evac Point 2 at 60 min (elapsed time) and continues to burn to the north to the north and south along the Project Site spotting over Evac Point 2 at



Route Fire Sim 25 mph Avoid		Evacuation to the South									
		Evac Pt. 1	Evac Pt. 2	Evac Pt. 3A	Evac Pt. 3B	Evac Pt. 3C	Route 0	Route 1	Route 2	Route 3	Route 4
15	0:15	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
30	0:30	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
45	0:45	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
60	1:00	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	Open
75	1:15	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	Open
90	1:30	Closed	Open	Closed	Closed	Closed	Open	Open	Open	Open	Open
105	1:45	Closed	Open	Closed	Closed	Closed	Open	Open	Open	Open	Open
120	2:00	Closed	Open	Closed	Closed	Closed	Open	Open	Open	Open	Open
135	2:15	Closed	Open	Closed	Closed	Closed	Open	Open	Open	Open	Open
150	2:30	Open	Open	Closed	Closed	Closed	Open	Open	Open	Open	Open
165	2:45	Open	Open	Closed	Closed	Closed	Open	Open	Open	Open	Open
180	3:00	Open	Open	Closed	Closed	Closed	Open	Open	Open	Open	Open
195	3:15	Open	Open	Closed	Closed	Closed	Open	Open	Open	Open	Open
210	3:30	Open	Open	Closed	Closed	Closed	Open	Open	Open	Open	Open
225	3:45	Open	Open	Closed	Closed	Closed	Open	Open	Open	Open	Open
240	4:00	Open	Open	Closed	Closed	Closed	Open	Open	Open	Open	Open
255	4:15	Open	Open	Closed	Closed	Closed	Open	Open	Open	Open	Open
270	4:30	Open	Open	Closed	Closed	Closed	Open	Open	Open	Open	Open
285	4:45	Open	Open	Closed	Closed	Closed	Open	Open	Open	Open	Open
300	5:00	Open	Open	Closed	Closed	Closed	Open	Open	Open	Open	Open
315	5:15	Open	Open	Closed	Closed	Closed	Open	Open	Open	Open	Open
330	5:30	Open	Open	Closed	Closed	Closed	Open	Open	Open	Open	Open
345	5:45	Open	Open	Closed	Closed	Closed	Open	Open	Open	Open	Open
360	6:00	Open	Open	Closed	Closed	Closed	Open	Open	Open	Open	Open
375	6:15	Open	Open	Closed	Closed	Closed	Open	Open	Open	Open	Open
390	6:30	Open	Open	Closed	Closed	Closed	Open	Open	Open	Open	Open
405	6:45	Open	Open	Closed	Closed	Closed	Open	Open	Open	Open	Open
420	7:00	Open	Open	Closed	Closed	Closed	Open	Open	Open	Open	Open

1. Route Fire Sim - Partial Creek Avoidance Alt.

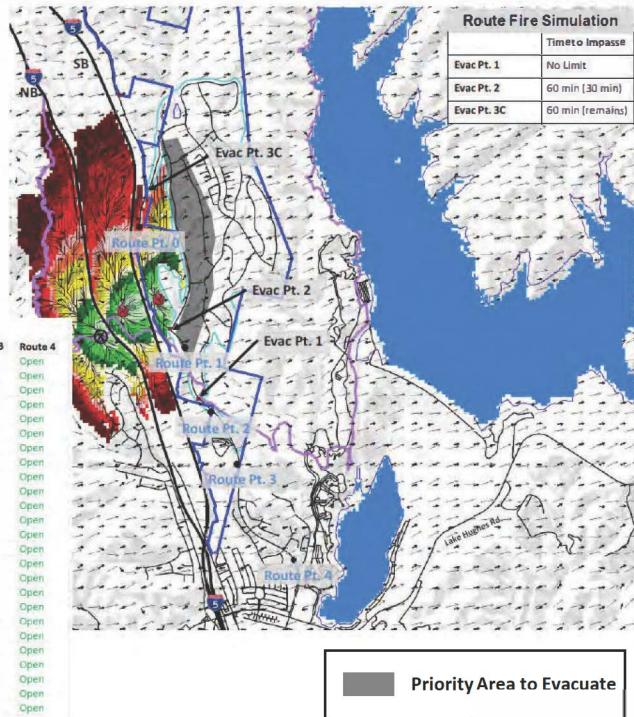
Results: 1.75 hours to evacuate 927 DU (2,169 vehicles) from the priority evacuation area of the Project
4.5 hours to evacuate 3,150 DU entire Project (7,371 vehicles)

Vehicles from Priority Evacuation Area of the Project
Remaining Vehicles from Project Area

Description	Evac Pt. 3	Evac Pt. 2	Ridge Route Pt 1	Evac Pt. 1	Ridge Route Pt 2	Project Affordable Housing	Ridge Route Pt 3	Northlake Hills	Ridge Route Pt 4
Number of vehicles to evacuate from critical homes (in shaded area on map)	374	938	1,311	858	2,169	0	2,169	0	2,169
Number of lanes at evacuation point	1	2	--	1	--	2	--	--	--
Vehicles per hour (vph) - no congestion	1,600	3,200	--	1,600	--	1,600	--	1,600	--
Vehicles per hour (vph) - with congestion	500	1,000	--	500	--	1,000	--	500	--
Vehicles per 15 min	125	250	--	125	--	250	--	125	--
Time limit	Closes at 60 Min, Ridge Route Pt 0 closes at 60 Min	Closes at 60 Min, reopens at 90 Min	No limit	No limit	No limit	No limit	No limit	--	No limit
Vehicle Evacuation Shown in 15 Minute Intervals									
Time	A	B	A+B=C	D	C+D=E	F	E+F=G	H	G+H=I
	No. of Vehicles Passing Through Evac Pt. 3	No. of Vehicles Passing Through Evac Pt. 2	Total No. of Vehicles from Evac Pts. 3 and 2 Passing Through Ridge Rt Pt. 1	No. of Vehicles Passing Through Evac Pt. 1	Total No. of Vehicles from Evac Pts. 3, 2 & 1 Passing Through Ridge Rt. Pt. 2	No. of Vehicles from Project AH Passing through Ridge Rt south of B St	Total No. of Vehicles from Evac Pts. 3, 2, 1, & AH Passing Through Ridge Rt Pt. 3	No. of Vehicles from NH Passing Through Ridge Rt	Total No. of Vehicles from Evac Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt Pt. 4
15 Min	125	250	375	125	500	250	750	0	750
30 Min	250	500	750	250	1,000	500	1,500	0	1,500
45 Min	375	750	1,125	375	1,500	750	2,250	0	2,250
60 Min	375	750	1,125	500	1,625	751	2,376	0	2,376
75 Min	375	750	1,125	625	1,750	751	2,501	0	2,501
90 Min	375	1,000	1,375	750	2,125	751	2,876	0	2,876
105 Min	375	1,250	1,625	875	2,500	751	3,251	0	3,251
120 Min	375	1,500	1,875	1,000	2,875	751	3,626	0	3,626
135 Min	375	1,750	2,125	1,125	3,250	751	4,001	0	4,001
150 Min	375	2,000	2,375	1,250	3,625	751	4,376	0	4,376
165 Min	375	2,250	2,625	1,375	4,000	751	4,751	0	4,751
180 Min	375	2,500	2,875	1,500	4,375	751	5,126	0	5,126
195 Min	375	2,750	3,125	1,625	4,750	751	5,501	0	5,501
210 Min	375	3,000	3,375	1,750	5,125	751	5,876	0	5,876
225 Min	375	3,250	3,625	1,875	5,500	751	6,251	0	6,251
240 Min	375	3,500	3,875	2,000	5,875	751	6,626	0	6,626
255 Min	375	3,750	4,125	2,125	6,250	751	7,001	0	7,001
270 Min	375	4,000	4,375	2,250	6,625	751	7,376	0	7,376
285 Min	375	4,000	4,375	2,250	6,625	751	7,376	0	7,376

Existing Conditions prior to the Route Fire Partial Creek Avoidance Development Added

Narrative: Fire begins as spot fires west of the northbound I-5 under a WSW Wind at 25 mph with the head fire moving to the northeast (branching to the north and south). At 30 min (elapsed time) fire spots over the NB I-5. The fire continues to burn ENE and spots over the SB I-5 impacting Ridge Route and Evac Point 2 at 60 min (elapsed time) and continues to burn to the north to the north and south along the Project Site.



Route Fire Sim 25mph Partial Avoid		Evacuation to the South							
		Evac Pt. 1	Evac Pt. 2	Evac Pt. 3A	Evac Pt. 3B	Evac Pt. 3C	Route 0	Route 1	Route 2
15	6:15	Open	Open	Open	Open	Open	Open	Open	Open
30	6:30	Open	Open	Open	Open	Open	Open	Open	Open
45	6:45	Open	Open	Open	Open	Open	Open	Open	Open
60	1:00	Open	Closed	Open	Open	Closed	Closed	Open	Open
75	1:15	Open	Closed	Open	Open	Closed	Closed	Open	Open
90	1:30	Open	Open	Open	Open	Closed	Closed	Open	Open
105	1:45	Open	Open	Open	Open	Closed	Closed	Open	Open
120	2:00	Open	Open	Open	Open	Closed	Closed	Open	Open
135	2:15	Open	Open	Open	Open	Closed	Closed	Open	Open
150	2:30	Open	Open	Open	Open	Closed	Closed	Open	Open
165	2:45	Open	Open	Open	Open	Closed	Closed	Open	Open
180	3:00	Open	Open	Open	Open	Closed	Closed	Open	Open
195	3:15	Open	Open	Open	Open	Closed	Closed	Open	Open
210	3:30	Open	Open	Open	Open	Closed	Closed	Open	Open
225	3:45	Open	Open	Open	Open	Closed	Closed	Open	Open
240	4:00	Open	Open	Open	Open	Closed	Closed	Open	Open
255	4:15	Open	Open	Open	Open	Closed	Closed	Open	Open
270	4:30	Open	Open	Open	Open	Closed	Closed	Open	Open
285	4:45	Open	Open	Open	Open	Closed	Closed	Open	Open
300	5:00	Open	Open	Open	Open	Closed	Closed	Open	Open
315	5:15	Open	Open	Open	Open	Closed	Closed	Open	Open
330	5:30	Open	Open	Open	Open	Closed	Closed	Open	Open
345	5:45	Open	Open	Open	Open	Closed	Closed	Open	Open
360	6:00	Open	Open	Open	Open	Closed	Closed	Open	Open
375	6:15	Open	Open	Open	Open	Closed	Closed	Open	Open
390	6:30	Open	Open	Open	Open	Closed	Closed	Open	Open
405	6:45	Open	Open	Open	Open	Closed	Closed	Open	Open
420	7:00	Open	Open	Open	Open	Closed	Closed	Open	Open

2. SSWat40Spot - Previously Approved Plan

Results: 2.25 hours to evacuate 1,286 DU (3,009 vehicles) from the priority evacuation area of the Project
4.5 hours to evacuate entire Project 3,150 DU (7,371 vehicles)

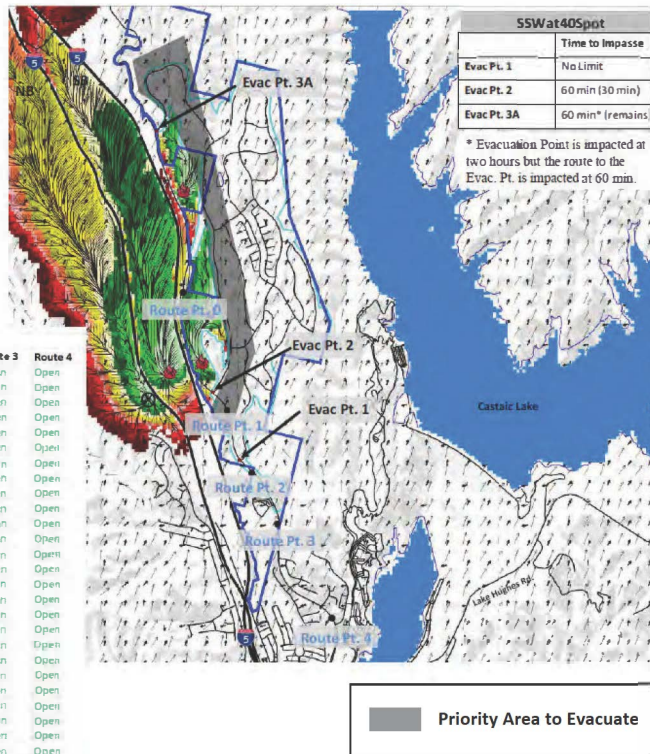
Vehicles from Priority Evacuation Area of the Project
Remaining Vehicles from Project Area

Description	Evac Pt. 3	Evac Pt. 2	Ridge Route Pt 1	Evac Pt. 1	Ridge Route Pt 2	Project Affordable Housing	Ridge Route Pt 3	Northlake Hills	Ridge Route Pt 4
Number of vehicles to evacuate from critical homes (in shaded area on map)	366	1,632	1,998	1,011	3,009	0	3,009	0	3,009
Number of lanes at evacuation point	1	2	--	1	--	2	--	1	--
Vehicles per hour (vph) - no congestion	1,600	3,200	--	1,600	--	1,600	--	1,600	--
Vehicles per hour (vph) - with congestion	500	1,000	--	500	--	1,000	--	500	--
Vehicles per 15 min	125	250	--	125	--	250	--	125	--
Time limit	Closes at 60 Min, Ridge Route Pt 0 closes at 60 Min	Closes at 60 Min, reopens at 90 Min	No limit	No limit	No limit	No limit	No limit	--	No limit

Vehicle Evacuation Shown in 15 Minute Intervals									
Time	A	B	A+B=C	D	C+D=E	F	E+F=G	H	G+H=I
	No. of Vehicles Passing Through Evac Pt. 3	No. of Vehicles Passing Through Evac Pt. 2	Total No. of Vehicles from Evac Pts. 3, 2 & 1 Passing Through Ridge Rt Pt. 1	No. of Vehicles Passing Through Evac Pt. 1	Total No. of Vehicles from Evac Pts. 3, 2 & 1 Passing Through Ridge Rt Pt. 2	No. of Vehicles from Project AH Passing through Ridge Rt south of B St	Total No. of Vehicles from Evac Pts. 3, 2, 1, & AH Passing Through Ridge Rt Pt. 3	No. of Vehicles from NH Passing Through Ridge Rt	Total No. of Vehicles from Evac Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt Pt. 4
15 Min	125	250	375	125	500	250	750	0	750
30 Min	250	500	750	250	1,000	500	1,500	0	1,500
45 Min	375	750	1,125	375	1,500	750	2,250	0	2,250
60 Min	375	750	1,125	500	1,625	751	2,376	0	2,376
75 Min	375	750	1,125	625	1,750	751	2,501	0	2,501
90 Min	375	1,000	1,375	750	2,125	751	2,876	0	2,876
105 Min	375	1,250	1,625	875	2,500	751	3,251	0	3,251
120 Min	375	1,500	1,875	1,000	2,875	751	3,626	0	3,626
135 Min	375	1,750	2,125	1,125	3,250	751	4,001	0	4,001
150 Min	375	2,000	2,375	1,250	3,625	751	4,376	0	4,376
165 Min	375	2,250	2,625	1,375	4,000	751	4,751	0	4,751
180 Min	375	2,500	2,875	1,500	4,375	751	5,126	0	5,126
195 Min	375	2,750	3,125	1,625	4,750	751	5,501	0	5,501
210 Min	375	3,000	3,375	1,750	5,125	751	5,876	0	5,876
225 Min	375	3,250	3,625	1,875	5,500	751	6,251	0	6,251
240 Min	375	3,500	3,875	2,000	5,875	751	6,626	0	6,626
255 Min	375	3,750	4,125	2,125	6,250	751	7,001	0	7,001
270 Min	375	4,000	4,375	2,250	6,625	751	7,376	0	7,376
285 Min	375	4,000	4,375	2,250	6,625	751	7,376	0	7,376

Increased Wind Speed (SSW direction) Previously Approved Development Added

Narrative: Fire begins as spot fires west of the northbound I-5 under a SSW Wind at 40 mph with the head fire moving to the northeast (branching to the north and south). At 30 min (elapsed time) fire spots over the NB I-5. The fire continues to burn NNE and spots over the SB I-5 impacting Ridge Route north of Evac Point 2 at 60 min (elapsed time). The fire spots over the SB I-5 south of Evac Point 3A at 90 min (elapsed time) continues to burn to the north to the north and south along the west side of the Project Site.



SSW Spot at 40 mph Approved	Evac Pt. 1	Evac Pt. 2	Evacuation to the South	Evac Pt. 3A	Evac Pt. 3B	Evac Pt. 3C	Route 0	Route 1	Route 2	Route 3	Route 4
15	0:15 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
30	0:30 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
45	0:45 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
60	1:00 Open	Closed	Closed	Open	Open	Open	Closed	Open	Open	Open	Open
75	1:15 Open	Closed	Closed	Open	Open	Open	Closed	Open	Open	Open	Open
90	1:30 Open	Open	Closed	Open	Open	Open	Closed	Open	Open	Open	Open
105	1:45 Open	Open	Closed	Open	Open	Open	Closed	Open	Open	Open	Open
120	2:00 Open	Open	Closed	Open	Open	Open	Closed	Open	Open	Open	Open
135	2:15 Open	Open	Closed	Open	Open	Open	Closed	Open	Open	Open	Open
150	2:30 Open	Open	Closed	Open	Open	Open	Closed	Open	Open	Open	Open
165	2:45 Open	Open	Closed	Open	Open	Open	Closed	Open	Open	Open	Open
180	3:00 Open	Open	Closed	Open	Open	Open	Closed	Open	Open	Open	Open
195	3:15 Open	Open	Closed	Open	Open	Open	Closed	Open	Open	Open	Open
210	3:30 Open	Open	Closed	Open	Open	Open	Closed	Open	Open	Open	Open
225	3:45 Open	Open	Closed	Open	Open	Open	Closed	Open	Open	Open	Open
240	4:00 Open	Open	Closed	Open	Open	Open	Closed	Open	Open	Open	Open
255	4:15 Open	Open	Closed	Open	Open	Open	Closed	Open	Open	Open	Open
270	4:30 Open	Open	Closed	Open	Open	Open	Closed	Open	Open	Open	Open
285	4:45 Open	Open	Closed	Open	Open	Open	Closed	Open	Open	Open	Open
300	5:00 Open	Open	Closed	Open	Open	Open	Closed	Open	Open	Open	Open
315	5:15 Open	Open	Closed	Open	Open	Open	Closed	Open	Open	Open	Open
330	5:30 Open	Open	Closed	Open	Open	Open	Closed	Open	Open	Open	Open
345	5:45 Open	Open	Closed	Open	Open	Open	Closed	Open	Open	Open	Open
360	6:00 Open	Open	Closed	Open	Open	Open	Closed	Open	Open	Open	Open
375	6:15 Open	Open	Closed	Open	Open	Open	Closed	Open	Open	Open	Open
390	6:30 Open	Open	Closed	Open	Open	Open	Closed	Open	Open	Open	Open
405	6:45 Open	Open	Closed	Open	Open	Open	Closed	Open	Open	Open	Open
420	7:00 Open	Open	Closed	Open	Open	Open	Closed	Open	Open	Open	Open

2. SSWat40Spot - Creek Avoidance Plan

Results: 45 minutes to evacuate 483 DU (1,129 vehicles) from the priority evacuation area of the Project
2.5 hours to evacuate entire Project 1,815 DU (4,247 vehicles)

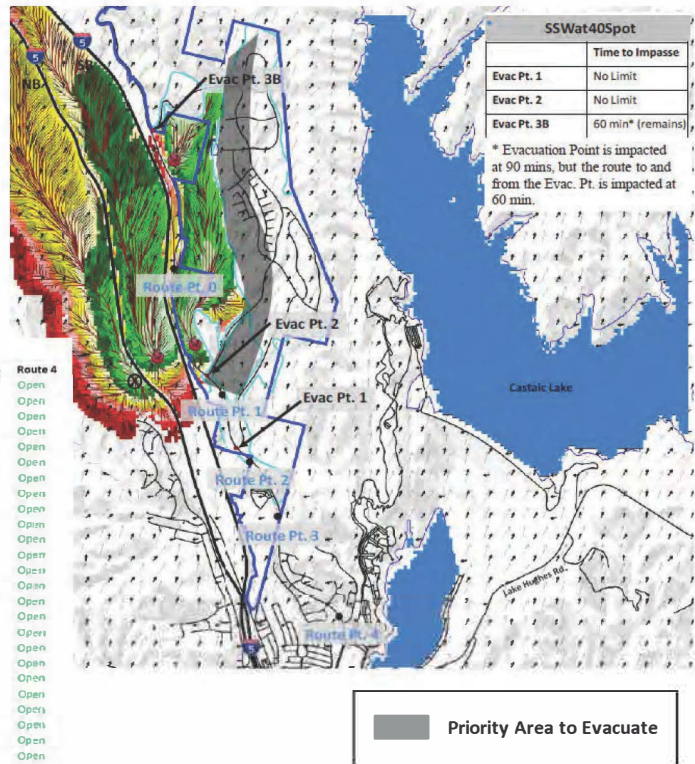
Vehicles from Priority Evacuation Area of the Project
Remaining Vehicles from Project Area

Description	Evac Pt. 3	Evac Pt. 2	Ridge Route Pt 1	Evac Pt. 1	Ridge Route Pt 2	Project Affordable Housing	Ridge Route Pt 3	Northlake Hills	Ridge Route Pt 4
Number of vehicles to evacuate from critical homes (in shaded area on map)	257	508	765	364	1,129	0	1,129	0	1,129
Number of lanes at evacuation point	1	2		1		2		1	
Vehicles per hour (vph) - no congestion	1,600	3,200		1,600		1,600		1,600	
Vehicles per hour (vph) - with congestion	500	1,000		500		1,000		500	
Vehicles per 15 min	125	250		125		250		125	
Time limit	Closes at 60 Min, Ridge Route Pt 0 closes at 60 Min	No limit		No limit		--		--	

Vehicle Evacuation Shown in 15 Minute Intervals									
Time	A No. of Vehicles Passing Through Evac Pt. 3	B No. of Vehicles Passing Through Evac Pt. 2	A+B=C Total No. of Vehicles from Evac Pts. 3 and 2 Passing Through Ridge Rt Pt. 1	D No. of Vehicles Passing Through Evac Pt. 1	C+D=E Total No. of Vehicles from Evac Pts. 3, 2 & 1 Passing Through Ridge Rt. Pt. 2	F No. of Vehicles from Project AH Passing through Ridge Rt south of B St	E+F=G Total No. of Vehicles from Evac Pts. 3, 2, 1, & AH Passing Through Ridge Rt Pt. 3	H No. of Vehicles from NH Passing Through Ridge Rt	G+H=I Total No. of Vehicles from Evac Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt Pt. 4
15 Min	125	250	375	125	500	250	750	0	750
30 Min	250	500	750	250	1,000	386	1,386	0	1,386
45 Min	375	750	1,125	375	1,500	386	1,886	0	1,886
60 Min	375	1,000	1,375	500	1,875	386	2,261	0	2,261
75 Min	375	1,250	1,625	625	2,250	386	2,636	0	2,636
90 Min	375	1,500	1,875	750	2,625	386	3,011	0	3,011
105 Min	375	1,750	2,125	875	3,000	386	3,386	0	3,386
120 Min	375	2,000	2,375	1,000	3,375	386	3,761	0	3,761
135 Min	375	2,250	2,625	1,125	3,750	386	4,136	0	4,136
150 Min	375	2,500	2,875	1,250	4,125	386	4,511	0	4,511
165 Min	375	2,500	2,875	1,250	4,125	386	4,511	0	4,511

Increased Wind Speed (SSW direction) Creek Avoidance Development Added

Narrative: Fire begins as spot fires west of the northbound I-5 under a SSW Wind at 40 mph with the head fire moving to the northeast (branching to the north and south). At 30 min (elapsed time) fire spots over the NB I-5. The fire continues to burn NNE and spots over the SB I-5 impacting Ridge Route north of Evac Point 2 at 60 min (elapsed time). The fire spots over the SB I-5 south of Evac Point 3A at 90 min (elapsed time) continues to burn to the north to the north and south along the west side of the Project Site.



SSW Spot at 40 mph Avoid										
Evac Pt. 1	Evac Pt. 2	Evac Pt. 3A	Evac Pt. 3B	Evac Pt. 3C	Route 0	Route 1	Route 2	Route 3	Route 4	
15	0:15 Open	Open	N/A	Open	N/A	Open	Open	Open	Open	Open
30	0:30 Open	Open	N/A	Open	N/A	Open	Open	Open	Open	Open
45	0:45 Open	Open	N/A	Open	N/A	Open	Open	Open	Open	Open
60	1:00 Open	Open	N/A	Closed	N/A	Closed	Open	Open	Open	Open
75	1:15 Open	Open	N/A	Closed	N/A	Closed	Open	Open	Open	Open
90	1:30 Open	Open	N/A	Closed	N/A	Closed	Open	Open	Open	Open
105	1:45 Open	Open	N/A	Closed	N/A	Closed	Open	Open	Open	Open
120	2:00 Open	Open	N/A	Closed	N/A	Closed	Open	Open	Open	Open
135	2:15 Open	Open	N/A	Closed	N/A	Closed	Open	Open	Open	Open
150	2:30 Open	Open	N/A	Closed	N/A	Closed	Open	Open	Open	Open
165	2:45 Open	Open	N/A	Closed	N/A	Closed	Open	Open	Open	Open
180	3:00 Open	Open	N/A	Closed	N/A	Closed	Open	Open	Open	Open
195	3:15 Open	Open	N/A	Closed	N/A	Closed	Open	Open	Open	Open
210	3:30 Open	Open	N/A	Closed	N/A	Closed	Open	Open	Open	Open
225	3:45 Open	Open	N/A	Closed	N/A	Closed	Open	Open	Open	Open
240	4:00 Open	Open	N/A	Closed	N/A	Closed	Open	Open	Open	Open
255	4:15 Open	Open	N/A	Closed	N/A	Closed	Open	Open	Open	Open
270	4:30 Open	Open	N/A	Closed	N/A	Closed	Open	Open	Open	Open
285	4:45 Open	Open	N/A	Closed	N/A	Closed	Open	Open	Open	Open
300	5:00 Open	Open	N/A	Closed	N/A	Closed	Open	Open	Open	Open
315	5:15 Open	Open	N/A	Closed	N/A	Closed	Open	Open	Open	Open
330	5:30 Open	Open	N/A	Closed	N/A	Closed	Open	Open	Open	Open
345	5:45 Open	Open	N/A	Closed	N/A	Closed	Open	Open	Open	Open
360	6:00 Open	Open	N/A	Closed	N/A	Closed	Open	Open	Open	Open
375	6:15 Open	Open	N/A	Closed	N/A	Closed	Open	Open	Open	Open
390	6:30 Open	Open	N/A	Closed	N/A	Closed	Open	Open	Open	Open
405	6:45 Open	Open	N/A	Closed	N/A	Closed	Open	Open	Open	Open
420	7:00 Open	Open	N/A	Closed	N/A	Closed	Open	Open	Open	Open

2. SSWat40Spot - Partial Creek Avoidance Alt.

Results: 2 hours to evacuate 1,370 DU (3,206 vehicles) from the priority evacuation area of the Project
4.25 hours to evacuate entire Project 3,150 DU (7,371 vehicles)

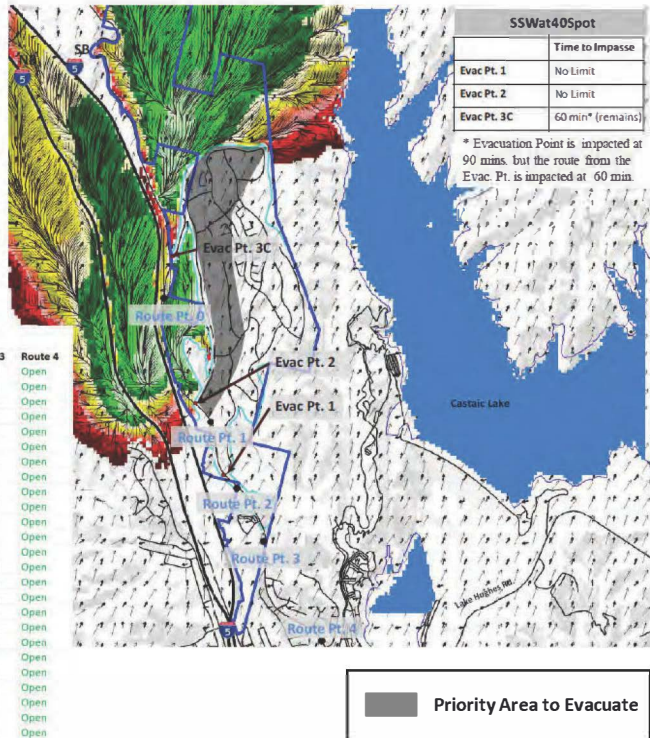
Vehicles from Priority Evacuation Area of the Project
Remaining Vehicles from Project Area

Description	Evac Pt. 3	Evac Pt. 2	Ridge Route Pt 1	Evac Pt. 1	Ridge Route Pt 2	Project Affordable Housing	Ridge Route Pt 3	Northlake Hills	Ridge Route Pt 4
Number of vehicles to evacuate from critical homes (in shaded area on map)	372	1,839	2,211	994	3,206	0	3,206	0	3,206
Number of lanes at evacuation point	1	2	--	1	--	2	--	1	--
Vehicles per hour (vph) - no congestion	1,600	3,200	--	1,600	--	1,600	--	1,600	--
Vehicles per hour (vph) - with congestion	500	1,000	--	500	--	1,000	--	500	--
Vehicles per 15 min	125	250	--	125	--	250	--	125	--
Time limit	Closes at 60 Min, Ridge Route Pt 0 closes at 60 Min	No limit	--	No limit	--	--	--	--	--

Vehicle Evacuation Shown in 15 Minute Intervals									
	A	B	A+B=C	D	C+D=E	F	E+F=G	H	G+H=I
Time	No. of Vehicles Passing Through Evac Pt. 3	No. of Vehicles Passing Through Evac Pt. 2	Total No. of Vehicles from Evac Pt. 3 and Evac Pt. 2 Passing Through Ridge Rt Pt. 1	No. of Vehicles Passing Through Evac Pt. 1	Total No. of Vehicles from Evac Pts. 3, 2 & 1 Passing Through Ridge Rt. Pt. 2	No. of Vehicles from Project AH Passing through Ridge Rt south of B St	Total No. of Vehicles from Evac Pts. 3, 2, 1, & AH Passing Through Ridge Rt Pt. 3	No. of Vehicles from NH Passing Through Ridge Rt	Total No. of Vehicles from Evac Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt Pt. 4
15 Min	125	250	375	125	500	250	750	0	750
30 Min	250	500	750	250	1,000	500	1,500	0	1,500
45 Min	375	750	1,125	375	1,500	750	2,250	0	2,250
60 Min	375	1,000	1,375	500	1,875	751	2,626	0	2,626
75 Min	375	1,250	1,625	625	2,250	751	3,001	0	3,001
90 Min	375	1,500	1,875	750	2,625	751	3,376	0	3,376
105 Min	375	1,750	2,125	875	3,000	751	3,751	0	3,751
120 Min	375	2,000	2,375	1,000	3,375	751	4,126	0	4,126
135 Min	375	2,250	2,625	1,125	3,750	751	4,501	0	4,501
150 Min	375	2,500	2,875	1,250	4,125	751	4,876	0	4,876
165 Min	375	2,750	3,125	1,375	4,500	751	5,251	0	5,251
180 Min	375	3,000	3,375	1,500	4,875	751	5,626	0	5,626
195 Min	375	3,250	3,625	1,625	5,250	751	6,001	0	6,001
210 Min	375	3,500	3,875	1,750	5,625	751	6,376	0	6,376
225 Min	375	3,750	4,125	1,875	6,000	751	6,751	0	6,751
240 Min	375	4,000	4,375	2,000	6,375	751	7,126	0	7,126
255 Min	375	4,250	4,625	2,125	6,750	751	7,501	0	7,501
270 Min	375	4,250	4,625	2,125	6,750	751	7,501	0	7,501

Increased Wind Speed (SSW direction) Partial Creek Avoidance Development Added

Narrative: Fire begins as spot fires west of the northbound I-5 under a SSW Wind at 40 mph with the head fire moving to the northeast (branching to the north and south). At 30 min (elapsed time) fire spots over the NB I-5. The fire continues to burn NNE and spots over the SB I-5 impacting Ridge Route north of Evac Point 2 at 60 min (elapsed time). The fire spots over the SB I-5 south of Evac Point 3A at 90 min (elapsed time) continues to burn to the north to the north and south along the west side of the Project Site.



SSW Spot at 40 mph Partial Avoid			Evacuation to the South							
	Evac Pt.1	Evac Pt.2	Evac Pt. 3A	Evac Pt. 3B	Evac Pt. 3C	Route 0	Route 1	Route 2	Route 3	Route 4
15	0:15 Open	Open	1/1/1	1/1/1	Open	Open	Open	Open	Open	Open
30	0:30 Open	Open	1/1/1	1/1/1	Open	Open	Open	Open	Open	Open
45	0:45 Open	Open	1/1/1	1/1/1	Open	Open	Open	Open	Open	Open
60	1:00 Open	Open	1/1/1	1/1/1	Closed	Closed	Open	Open	Open	Open
75	1:15 Open	Open	1/1/1	1/1/1	Closed	Closed	Open	Open	Open	Open
90	1:30 Open	Open	1/1/1	1/1/1	Closed	Closed	Open	Open	Open	Open
105	1:45 Open	Open	1/1/1	1/1/1	Closed	Closed	Open	Open	Open	Open
120	2:00 Open	Open	1/1/1	1/1/1	Closed	Closed	Open	Open	Open	Open
135	2:15 Open	Open	1/1/1	1/1/1	Closed	Closed	Open	Open	Open	Open
150	2:30 Open	Open	1/1/1	1/1/1	Closed	Closed	Open	Open	Open	Open
165	2:45 Open	Open	1/1/1	1/1/1	Closed	Closed	Open	Open	Open	Open
180	3:00 Open	Open	1/1/1	1/1/1	Closed	Closed	Open	Open	Open	Open
195	3:15 Open	Open	1/1/1	1/1/1	Closed	Closed	Open	Open	Open	Open
210	3:30 Open	Open	1/1/1	1/1/1	Closed	Closed	Open	Open	Open	Open
225	3:45 Open	Open	1/1/1	1/1/1	Closed	Closed	Open	Open	Open	Open
240	4:00 Open	Open	1/1/1	1/1/1	Closed	Closed	Open	Open	Open	Open
255	4:15 Open	Open	1/1/1	1/1/1	Closed	Closed	Open	Open	Open	Open
270	4:30 Open	Open	1/1/1	1/1/1	Closed	Closed	Open	Open	Open	Open
285	4:45 Open	Open	1/1/1	1/1/1	Closed	Closed	Open	Open	Open	Open
300	5:00 Open	Open	1/1/1	1/1/1	Closed	Closed	Open	Open	Open	Open
315	5:15 Open	Open	1/1/1	1/1/1	Closed	Closed	Open	Open	Open	Open
330	5:30 Open	Open	1/1/1	1/1/1	Closed	Closed	Open	Open	Open	Open
345	5:45 Open	Open	1/1/1	1/1/1	Closed	Closed	Open	Open	Open	Open
360	6:00 Open	Open	1/1/1	1/1/1	Closed	Closed	Open	Open	Open	Open
375	6:15 Open	Open	1/1/1	1/1/1	Closed	Closed	Open	Open	Open	Open
390	6:30 Open	Open	1/1/1	1/1/1	Closed	Closed	Open	Open	Open	Open
405	6:45 Open	Open	1/1/1	1/1/1	Closed	Closed	Open	Open	Open	Open
420	7:00 Open	Open	1/1/1	1/1/1	Closed	Closed	Open	Open	Open	Open

3. SSWat40Line - Previously Approved Plan

Results: 2 hours to evacuate 1,383 DU (3,236 vehicles) from the priority evacuation area of the Project
4.25 hours to evacuate entire Project 3,150 DU (7,371 vehicles)

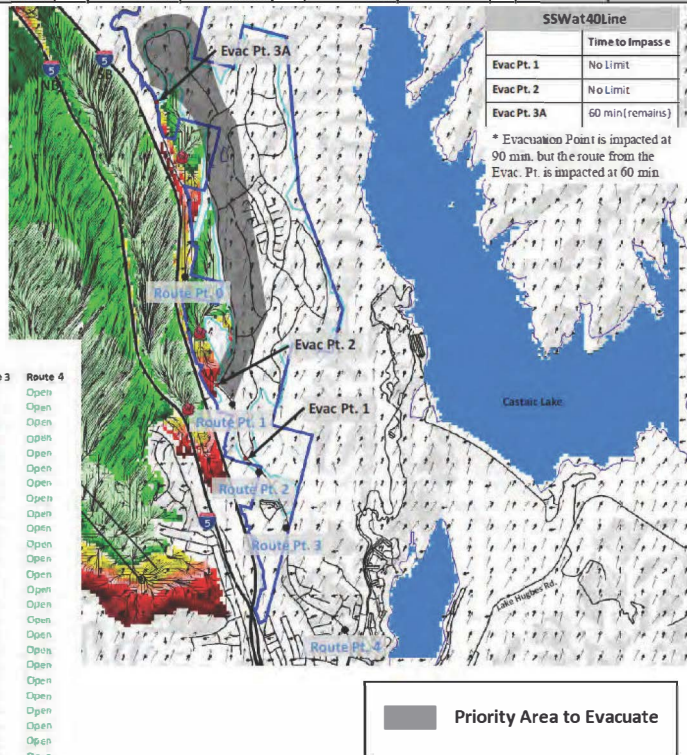
Vehicles from Priority Evacuation Area of the Project
Remaining Vehicles from Project Area

Description	Evac Pt. 3	Evac Pt. 2	Ridge Route Pt. 1	Evac Pt. 1	Ridge Route Pt. 2	Project Affordable Housing	Ridge Route Pt. 3	Northlake Hills	Ridge Route Pt. 4
Number of vehicles to evacuate	351	1,917	2,268	968	3,236	0	3,236	0	3,236
Number of lanes at evacuation point	1	2	—	1	—	2	—	1	—
Vehicles per hour (vph) - no congestion	1,600	3,200	—	1,600	—	1,600	—	1,600	—
Vehicles per hour (vph) - with congestion	500	1,000	—	500	—	1,000	—	500	—
Vehicles per 15 min	125	250	—	125	—	250	—	125	—
Time limit	Closes at 60 Min, Ridge Route Pt 0 closes at 60 Min	No limit	No limit	No limit	No limit	No limit	No limit	—	No limit

Vehicle Evacuation Shown in 15 Minute Intervals									
	A	B	A+B=C	D	C+D=E	F	E+F=G	H	G+H=I
	No. of Vehicles Passing Through Evac Pt. 3	No. of Vehicles Passing Through Evac Pt. 2	Total No. of Vehicles from Evac Pts. 3 and 2 Passing Through Ridge Rt Pt. 1	No. of Vehicles Passing Through Evac Pt. 1	Total No. of Vehicles from Evac Pts. 3, 2 & 1 Passing Through Ridge Rt. Pt. 2	No. of Vehicles from Project AH Passing Through Ridge Rt south of B St	Total No. of Vehicles from Evac Pts. 3, 2, 1, & AH Passing Through Ridge Rt Pt. 3	No. of Vehicles from NH Passing Through Ridge Rt	Total No. of Vehicles from Evac Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt Pt. 4
15 Min	125	250	375	125	500	250	750	0	750
30 Min	250	500	750	250	1,000	500	1,500	0	1,500
45 Min	375	750	1,125	375	1,500	750	2,250	0	2,250
60 Min	375	1,000	1,375	500	1,875	751	2,626	0	2,626
75 Min	375	1,250	1,625	625	2,250	751	3,001	0	3,001
90 Min	375	1,500	1,875	750	2,625	751	3,376	0	3,376
105 Min	375	1,750	2,125	875	3,000	751	3,751	0	3,751
120 Min	375	2,000	2,375	1,000	3,375	751	4,126	0	4,126
135 Min	375	2,250	2,625	1,125	3,750	751	4,501	0	4,501
150 Min	375	2,500	2,875	1,250	4,125	751	4,876	0	4,876
165 Min	375	2,750	3,125	1,375	4,500	751	5,251	0	5,251
180 Min	375	3,000	3,375	1,500	4,875	751	5,626	0	5,626
195 Min	375	3,250	3,625	1,625	5,250	751	6,001	0	6,001
210 Min	375	3,500	3,875	1,750	5,625	751	6,376	0	6,376
225 Min	375	3,750	4,125	1,875	6,000	751	6,751	0	6,751
240 Min	375	4,000	4,375	2,000	6,375	751	7,126	0	7,126
255 Min	375	4,250	4,625	2,125	6,750	751	7,501	0	7,501
270 Min	375	4,500	4,875	2,250	7,125	751	7,876	0	7,876

Increased Wind Speed (SSW direction) Line of Fire with Previously Approved Development

Narrative: Fire as a line of fire west of the northbound I-5 under a SSW Wind at 40 mph with the head fire moving to the northeast (branching to the north and south). At 30 min (elapsed time) fire spots over the NB I-5. The fire continues to burn NNE and spots over the SB I-5 impacting Ridge Route north of Evac Point 2 at 60 min (elapsed time). The fire spots over the SB I-5 south of Evac Point 3A at 90 min (elapsed time) continues to burn to the north to the north and south along the west side of the Project Site.



SSW Line at 40 mph Approved		Evacuation to the South									
	Evac Pt. 1	Evac Pt. 2	Evac Pt. 3A	Evac Pt. 3B	Evac Pt. 3C	Route 0	Route 1	Route 2	Route 3	Route 4	
15	0:15 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	
30	0:30 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	
45	0:45 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	
60	1:00 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
75	1:15 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
90	1:30 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
105	1:45 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
120	2:00 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
135	2:15 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
150	2:30 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
165	2:45 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
180	3:00 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
195	3:15 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
210	3:30 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
225	3:45 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
240	4:00 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
255	4:15 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
270	4:30 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
285	4:45 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
300	5:00 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
315	5:15 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
330	5:30 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
345	5:45 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
360	6:00 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
375	6:15 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
390	6:30 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
405	6:45 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
420	7:00 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	

3. SSWat40Line - Creek Avoidance Alt.

Results: 1.5 hour to evacuate 1134 DU (2,653 vehicles) from the priority evacuation area of the Project
2.5 hours to evacuate entire Project 1,815 DU (4,247 vehicles)

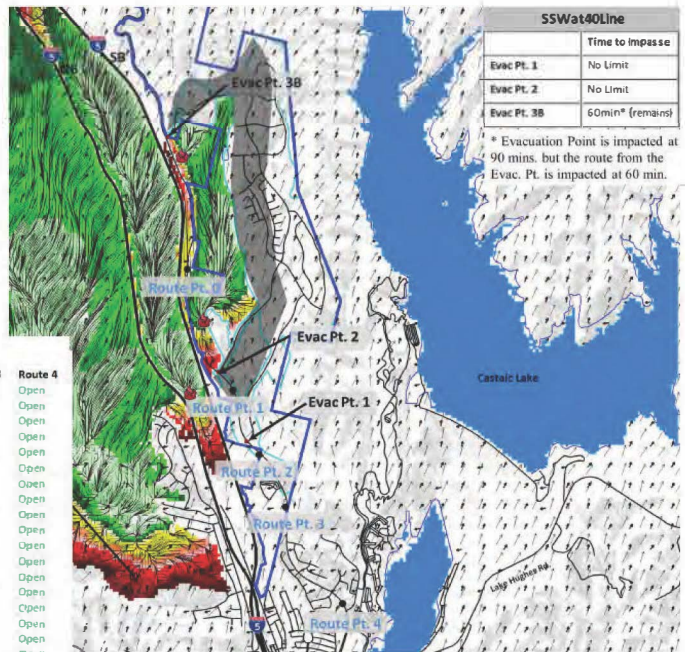
Vehicles from Priority Evacuation Area of the Project
Remaining Vehicles from Project Area

Description	Evac Pt. 3	Evac Pt. 2	Ridge Route Pt. 1	Evac Pt. 1	Ridge Route Pt. 2	Project Affordable Housing	Ridge Route Pt. 3	Northlake Hills	Ridge Route Pt. 4
Vehicles that need to evacuate	342	1,418	1,760	700	2,460	250	2,653	0	2,653
Number of lanes at evacuation point	1	2	--	1	--	2	--	1	--
Vehicles per hour per lane (Vphpl) - no congestion	1,600	3,200	--	1,600	--	1,600	--	1,600	--
Vehicles per hour per lane (Vphpl) - with congestion	500	1,000	--	500	--	1,000	--	500	--
Vehicles per 15 min	125	250	--	125	--	250	--	125	--
Time Limits	Closes at 60 Min, Ridge Route Pt 0 closes at 60 Min	No limit	No limit	No limit	No limit	No limit	No limit	--	No limit
Vehicle Evacuation Shown in 15 Minute Intervals									
	A	B	A+B=C	D	C+D=E	F	E+F=G	H	G+H=I
Time	No. of Vehicles Passing Through Evac Pt. 3	No. of Vehicles Passing Through Evac Pt. 2	Total No. of Vehicles from Evac Pts. 3 and 2 Passing Through Ridge Rt Pt. 1	No. of Vehicles Passing Through Evac Pt. 1	Total No. of Vehicles from Evac Pts. 3, 2 & 1 Passing Through Ridge Rt. Pt. 2	No. of Vehicles from Project AH Passing through Ridge Rt south of B St	Total No. of Vehicles from Evac Pts. 3, 2, 1, & AH Passing Through Ridge Rt Pt. 3	No. of Vehicles from NH Passing Through Ridge Rt	Total No. of Vehicles from Evac Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt Pt. 4
15 Min	125	250	375	125	500	250	750	0	750
30 Min	250	500	750	250	1,000	386	1,386	0	1,386
45 Min	375	750	1,125	375	1,500	386	1,886	0	1,886
60 Min	375	1,000	1,375	500	1,875	386	2,261	0	2,261
75 Min	375	1,250	1,625	625	2,250	386	2,636	0	2,636
90 Min	375	1,500	1,875	750	2,625	386	3,011	0	3,011
105 Min	375	1,750	2,125	875	3,000	386	3,386	0	3,386
120 Min	375	2,000	2,375	1,000	3,375	386	3,761	0	3,761
135 Min	375	2,250	2,625	1,125	3,750	386	4,136	0	4,136
150 Min	375	2,500	2,875	1,250	4,125	386	4,511	0	4,511
165 Min	375	2,500	2,875	1,250	4,125	386	4,511	0	4,511

Increased Wind Speed (SSW direction)

Line of Fire with Creek Avoidance Development

Narrative: Fire as a line of fire west of the northbound I-5 under a SSW Wind at 40 mph with the head fire moving to the northeast (branching to the north and south). At 30 min (elapsed time) fire spots over the NB I-5. The fire continues to burn NNE and spots over the SB I-5 impacting Ridge Route north of Evac Point 2 at 60 min (elapsed time). The fire spots over the SB I-5 south of Evac Point 3A at 90 min (elapsed time) continues to burn to the north to the north and south along the west side of the Project Site.



SSW Line at 40 mph Avoid		Evacuation to the South									
	Evac Pt. 1	Evac Pt. 2	Evac Pt. 3A	Evac Pt. 3B	Evac Pt. 3C	Route 0	Route 1	Route 2	Route 3	Route 4	
15	0:15 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	
30	0:30 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	
45	0:45 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	
60	1:00 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
75	1:15 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
90	1:30 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
105	1:45 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
120	2:00 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
135	2:15 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
150	2:30 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
165	2:45 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
180	3:00 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
195	3:15 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
210	3:30 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
225	3:45 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
240	4:00 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
255	4:15 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
270	4:30 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
285	4:45 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
300	5:00 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
315	5:15 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
330	5:30 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
345	5:45 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
360	6:00 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
375	6:15 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
390	6:30 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
405	6:45 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	
420	7:00 Open	Open	Closed	Closed	Closed	Closed	Open	Open	Open	Open	

3. SSWat40Line - Partial Creek Avoidance Alt.

Results: 2.25 hours to evacuate 1,485 DU (3,475 vehicles) from the priority evacuation area of the Project
4.25 hours to evacuate entire Project 3,150 DU (7,371 vehicles)

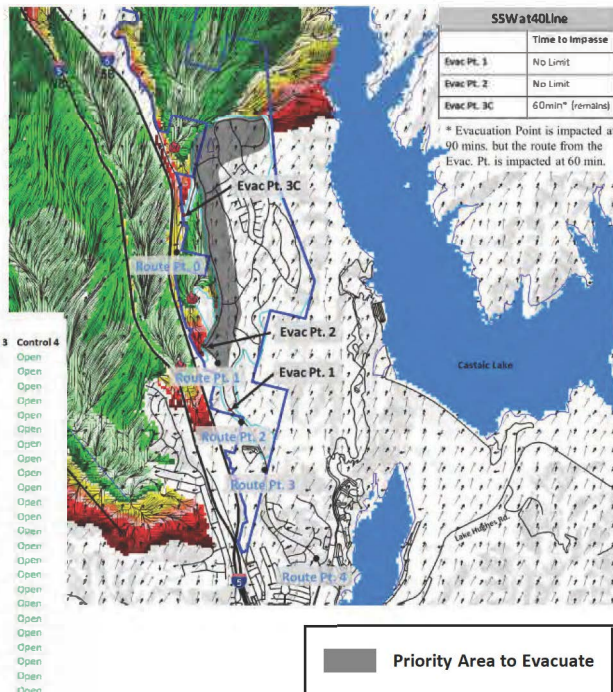
Vehicles from Priority Evacuation Area of the Project
Remaining Vehicles from Project Area

Description	Evac Pt. 3	Evac Pt. 2	Ridge Route Pt. 1	Evac Pt. 1	Ridge Route Pt. 2	Project Affordable Housing	Ridge Route Pt. 3	Northlake Hills	Ridge Route Pt. 4
Vehicles that need to evacuate	375	2,000	2,375	1,100	3,475	0	3,475	0	3,475
Number of lanes at evacuation point	1	2	--	1	--	2	--	1	--
Vehicles per hour per lane (Vphpl) - no congestion	1,600	3,200	--	1,600	--	1,600	--	1,600	--
Vehicles per hour per lane (Vphpl) - with congestion	500	1,000	--	500	--	1,000	--	500	--
Vehicles per 15 min	125	250	--	125	--	250	--	125	--
Time limits	Closes at 60 Min, Ridge Route Pt. 0 closes at 60 Min	No limit	No limit	No limit	No limit	No limit	No limit	--	--
Vehicle Evacuation Shown in 15 Minute Intervals									
Time	A No. of Vehicles Passing Through Evac Pt. 3	B No. of Vehicles Passing Through Evac Pt. 2	A+B=C Total No. of Vehicles from Evac Pts. 3, 2, & 1 Passing Through Ridge Rt. Pt. 1	D No. of Vehicles Passing Through Evac Pt. 1	C+D=E Total No. of Vehicles from Evac Pts. 3, 2, & 1 Passing Through Ridge Rt. Pt. 2	F No. of Vehicles from Project AH Passing through Ridge Rt. south of B St	E+F=G Total No. of Vehicles from Evac Pts. 3, 2, 1, & AH Passing Through Ridge Rt. Pt. 3	H No. of Vehicles from NH Passing Through Ridge Rt	G+H=I Total No. of Vehicles from Evac Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt. Pt. 4
15 Min	125	250	375	125	500	250	750	0	750
30 Min	250	500	750	250	1,000	500	1,500	0	1,500
45 Min	375	750	1,125	375	1,500	750	2,250	0	2,250
60 Min	375	1,000	1,375	500	1,875	751	2,626	0	2,626
75 Min	375	1,250	1,625	625	2,250	751	3,001	0	3,001
90 Min	375	1,500	1,875	750	2,625	751	3,376	0	3,376
105 Min	375	1,750	2,125	875	3,000	751	3,751	0	3,751
120 Min	375	2,000	2,375	1,000	3,375	751	4,126	0	4,126
135 Min	375	2,250	2,625	1,125	3,750	751	4,501	0	4,501
150 Min	375	2,500	2,875	1,250	4,125	751	4,876	0	4,876
165 Min	375	2,750	3,125	1,375	4,500	751	5,251	0	5,251
180 Min	375	3,000	3,375	1,500	4,875	751	5,626	0	5,626
195 Min	375	3,250	3,625	1,625	5,250	751	6,001	0	6,001
210 Min	375	3,500	3,875	1,750	5,625	751	6,376	0	6,376
225 Min	375	3,750	4,125	1,875	6,000	751	6,751	0	6,751
240 Min	375	4,000	4,375	2,000	6,375	751	7,126	0	7,126
255 Min	375	4,250	4,625	2,125	6,750	751	7,501	0	7,501
270 Min	375	4,500	4,875	2,250	7,125	751	7,876	0	7,876

Increased Wind Speed (SSW direction)

Line of Fire with Partial Creek Avoidance Development

Narrative: Fire as a line of fire west of the northbound I-5 under a SSW Wind at 40 mph with the head fire moving to the northeast (branching to the north and south). At 30 min (elapsed time) fire spots over the NB I-5. The fire continues to burn NNE and spots over the SB I-5 impacting Ridge Route north of Evac Point 2 at 60 min (elapsed time). The fire spots over the SB I-5 south of Evac Point 3A at 90 min (elapsed time) continues to burn to the north to the north and south along the west side and moves to the east at the top of the Project Site.



SSW Line at 40 mph Partial Avoid									
Time	Evac Pt. 1	Evac Pt. 2	Evac Pt. 3A	Evac Pt. 3B	Evac Pt. 3C	Control 0	Control 1	Control 2	Control 3
15	0:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
30	0:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
45	0:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
60	1:00 Open	Open	Open	Open	Open	Open	Open	Open	Open
75	1:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
90	1:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
105	1:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
120	2:00 Open	Open	Open	Open	Open	Open	Open	Open	Open
135	2:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
150	2:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
165	2:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
180	3:00 Open	Open	Open	Open	Open	Open	Open	Open	Open
195	3:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
210	3:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
225	3:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
240	4:00 Open	Open	Open	Open	Open	Open	Open	Open	Open
255	4:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
270	4:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
285	4:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
300	5:00 Open	Open	Open	Open	Open	Open	Open	Open	Open
315	5:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
330	5:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
345	5:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
360	6:00 Open	Open	Open	Open	Open	Open	Open	Open	Open
375	6:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
390	6:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
405	6:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
420	7:00 Open	Open	Open	Open	Open	Open	Open	Open	Open

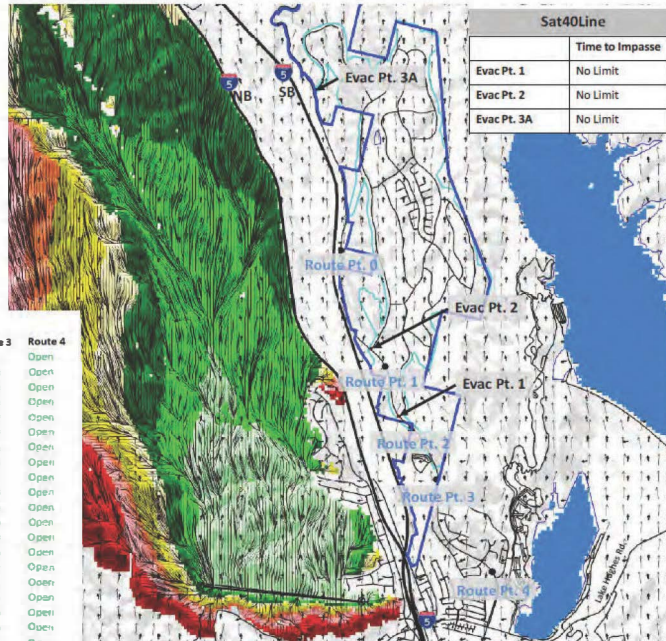
4. Sat40Line - Previously Approved Plan

Results: 3.5 hours to evacuate entire Project 3,150 DU (7,371 vehicles)

Description	Evac Pt. 3	Evac Pt. 2	Ridge Rt. Pt. 1	Evac Pt. 1	Ridge Rt. Pt. 2	Project Affordable Housing	Ridge Rt. Pt. 3	Northlake Hills	Ridge Rt. Pt. 4
Number of vehicles to evacuate	1,655	3,310	4,965	1,655	6,620	751	7,371	0	7,371
Number of lanes at evacuation point	1	2	--	1	--	2	--	1	--
Vehicles per hour (vph) - no congestion	1,600	3,200	--	1,600	--	1,600	--	1,600	--
Vehicles per hour (vph) - with congestion	500	1,000	--	500	--	1,000	--	500	--
Vehicles per 15 min	125	250	--	125	--	250	--	125	--
Time limit	No limit	No limit	No limit	No limit	No limit	No limit	No limit	--	No limit
Vehicle Evacuation Shown in 15 Minute Intervals									
	A	B	A+B=C	D	C+D=E	F	E+F=G	H	G+H=I
	No. of Vehicles Passing Through Evac Pt. 3	No. of Vehicles Passing Through Evac Pt. 2	Total No. of Vehicles from Evac Pts. 3 and 2 Passing Through Ridge Rt. Pt. 1	No. of Vehicles Passing Through Evac Pt. 1	Total No. of Vehicles from Evac Pts. 3, 2 & 1 Passing Through Ridge Rt. Pt. 2	No. of Vehicles from Project AH Passing through Ridge Rt. south of B St	Total No. of Vehicles from Evac Pts. 3, 2, 1, & AH Passing Through Ridge Rt. Pt. 3	No. of Vehicles from NH Passing Through Ridge Rt	Total No. of Vehicles from Evac Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt. Pt. 4
15 Min	125	250	375	125	500	250	750	0	750
30 Min	250	500	750	250	1,000	500	1,500	0	1,500
45 Min	375	750	1,125	375	1,500	750	2,250	0	2,250
60 Min	500	1,000	1,500	500	2,000	751	2,751	0	2,751
75 Min	625	1,250	1,875	625	2,500	751	3,251	0	3,251
90 Min	750	1,500	2,250	750	3,000	751	3,751	0	3,751
105 Min	875	1,750	2,625	875	3,500	751	4,251	0	4,251
120 Min	1,000	2,000	3,000	1,000	4,000	751	4,751	0	4,751
135 Min	1,125	2,250	3,375	1,125	4,500	751	5,251	0	5,251
150 Min	1,250	2,500	3,750	1,250	5,000	751	5,751	0	5,751
165 Min	1,375	2,750	4,125	1,375	5,500	751	6,251	0	6,251
180 Min	1,500	3,000	4,500	1,500	6,000	751	6,751	0	6,751
195 Min	1,625	3,250	4,875	1,625	6,500	751	7,251	0	7,251
210 Min	1,750	3,500	4,875	1,750	6,625	751	7,376	0	7,376
225 Min	1,750	3,500	4,875	1,750	6,625	751	7,376	0	7,376

Wind Speed 40 mph (S direction) with Previously Approved Development

Narrative: Fire as a line of fire west of the northbound I-5 under a South Wind at 40 mph with the head fire moving to the north (branching to the west but holding at the freeway on the east). The wind direction and location of the fire does not have a high probability of spotting over the freeway in the vicinity of the Project Site. The program did not provide spots and they were not added manually.



South Line at 40 mph Approved		Evacuation to the South									
		Evac Pt. 1	Evac Pt. 2	Evac Pt. 3A	Evac Pt. 3B	Evac Pt. 3C	Route 0	Route 1	Route 2	Route 3	Route 4
15	0:15	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
30	0:30	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
45	0:45	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
60	1:00	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
75	1:15	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
90	1:30	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
105	1:45	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
120	2:00	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
135	2:15	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
150	2:30	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
165	2:45	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
180	3:00	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
195	3:15	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
210	3:30	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
225	3:45	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
240	4:00	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
255	4:15	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
270	4:30	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
285	4:45	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
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315	5:15	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
330	5:30	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
345	5:45	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
360	6:00	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
375	6:15	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
390	6:30	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
405	6:45	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
420	7:00	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open

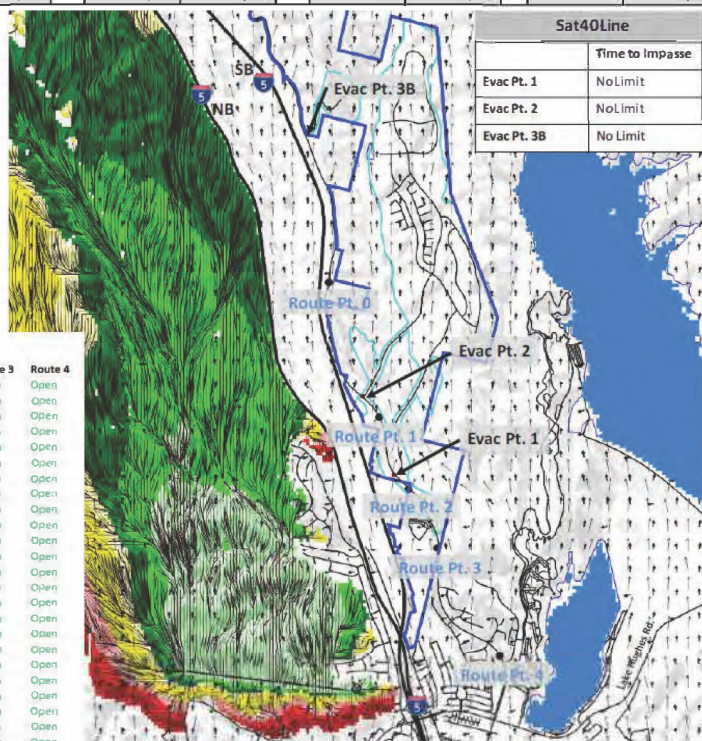
4. Sat40Line - Creek Avoidance Alt.

Results: 2 hours to evacuate entire Project 1,815 DU (4,247 vehicles)

Description	Evac Pt. 3	Evac Pt. 2	Ridge Rt. Pt. 1	Evac Pt. 1	Ridge Rt. Pt. 2	Project Affordable Housing	Ridge Rt. Pt. 3	Northlake Hills	Ridge Rt. Pt. 4
Number of vehicles to evacuate	965	1,931	2,896	965	3,861	386	4,247	0	4,247
Number of lanes at evacuation point	1	2	--	1	--	2	--	1	--
Vehicles per hour (vph) - no congestion	1,600	3,200	--	1,600	--	1,600	--	1,600	--
Vehicles per hour (vph) - with congestion	500	1,000	--	500	--	1,000	--	500	--
Vehicles per 15 min	125	250	--	125	--	250	--	125	--
Time limit	No limit	No limit	No limit	No limit	No limit	No limit	No limit	--	No limit
Vehicle Evacuation Shown in 15 Minute Intervals									
	A	B	A+B=C	D	C+D=E	F	E+F=G	H	G+H=I
	No. of Vehicles Passing Through Evac Pt. 3	No. of Vehicles Passing Through Evac Pt. 2	Total No. of Vehicles from Evac Pt. 3 and Evac Pt. 2 Passing Through Ridge Rt Pt. 1	No. of Vehicles Passing Through Evac Pt. 1	Total No. of Vehicles from Evac Pts. 3, 2 & 1 Passing Through Ridge Rt. Pt. 2	No. of Vehicles from Project AH Passing through Ridge Rt south of B St	Total No. of Vehicles from Evac Pts. 3, 2, 1, & AH Passing Through Ridge Rt Pt. 3	No. of Vehicles from NH Passing Through Ridge Rt	Total No. of Vehicles from Evac Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt Pt. 4
15 Min	125	250	375	125	500	250	750	0	750
30 Min	250	500	750	250	1,000	386	1,386	0	1,386
45 Min	375	750	1,125	375	1,500	386	1,886	0	1,886
60 Min	500	1,000	1,500	500	2,000	386	2,386	0	2,386
75 Min	625	1,250	1,875	625	2,500	386	2,886	0	2,886
90 Min	750	1,500	2,250	750	3,000	386	3,386	0	3,386
105 Min	875	1,750	2,625	875	3,500	386	3,886	0	3,886
120 Min	1,000	2,000	3,000	1,000	4,000	386	4,386	0	4,386
135 Min	1,000	2,000	3,000	1,000	4,000	386	4,386	0	4,386

Wind Speed 40 mph (S direction) with Creek Avoidance Development

Narrative: Fire as a line of fire west of the northbound I-5 under a South Wind at 40 mph with the head fire moving to the north (branching to the west but holding at the freeway on the east). The wind direction and location of the fire does not have a high probability of spotting over the freeway in the vicinity of the Project Site. The program did not provide spots and they were not added manually.



South Line at 40mph Avoid		Evacuation to the South									
		Evac Pt. 1	Evac Pt. 2	Evac Pt. 3A	Evac Pt. 3B	Evac Pt. 3C	Route 0	Route 1	Route 2	Route 3	Route 4
15	0:15	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
30	0:30	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
45	0:45	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
60	1:00	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
75	1:15	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
90	1:30	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
105	1:45	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
120	2:00	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
135	2:15	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
150	2:30	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
165	2:45	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
180	3:00	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
195	3:15	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
210	3:30	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
225	3:45	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
240	4:00	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
255	4:15	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
270	4:30	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
285	4:45	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
300	5:00	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
315	5:15	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
330	5:30	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
345	5:45	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
360	6:00	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
375	6:15	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
390	6:30	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
405	6:45	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
420	7:00	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open

4. Sat40Line - Partial Creek Avoidance Alt.

Results 3 5 hours to evacuate entire Project 3,150 (7,371 vehicles)

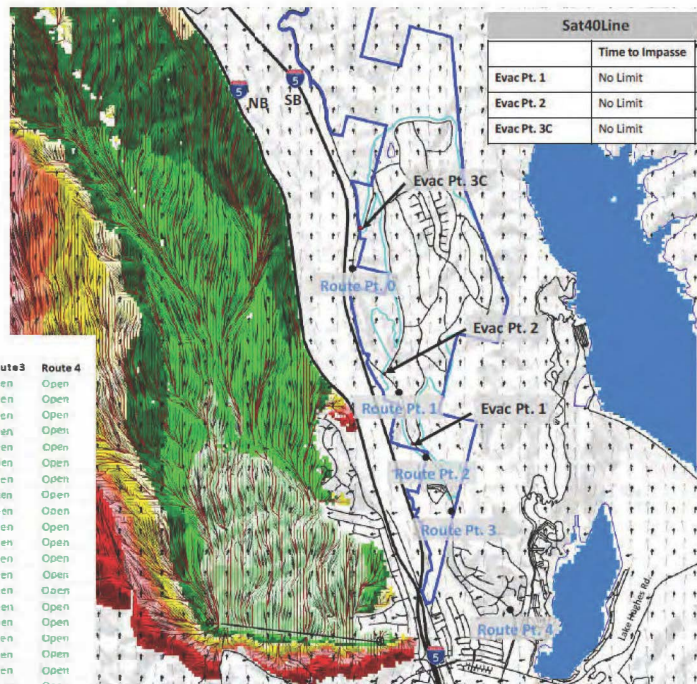
Description	Evac Pt. 3	Evac Pt. 2	Ridge Route Pt. 1	Evac Pt. 1	Ridge Route Pt. 2	Project Affordable Housing	Ridge Route Pt. 3	Northlake Hills	Ridge Route Pt. 4
Number of vehicles to evacuate	1,655	3,310	4,965	1,655	6,620	751	7,371	0	7,371
Number of lanes at evacuation point	1	2	--	1	--	2	--	1	--
Vehicles per hour (vph) - no congestion	1,600	3,200	--	1,600	--	1,600	--	1,600	--
Vehicles per hour (vph) - with congestion	500	1,000	--	500	--	1,000	--	500	--
Vehicles per 15 min	125	250	--	125	--	250	--	125	--
Time limit	No limit	No limit	No limit	No limit	No limit	No limit	No limit	--	No limit

Vehicle Evacuation Shown in 15 Minute Intervals									
	A	B	A+B=C	D	C+D=E	F	E+F=G	H	G+H=I
Time	No. of Vehicles Passing Through Evac Pt. 3	No. of Vehicles Passing Through Evac Pt. 2	Total No. of Vehicles from Evac Pts. 3, 2, 1, & AH Passing Through Ridge Rt Pt. 1	No. of Vehicles Passing Through Evac Pt. 1	Total No. of Vehicles from Evac Pts. 3, 2, 1, & AH Passing Through Ridge Rt Pt. 2	No. of Vehicles from Project AH Passing through Ridge Rt south of B St	Total No. of Vehicles from Evac Pts. 3, 2, 1, & AH Passing Through Ridge Rt Pt. 3	No. of Vehicles from NH Passing Through Ridge Rt	Total No. of Vehicles from Evac Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt Pt. 4
15 Min	125	250	375	125	500	250	750	0	750
30 Min	250	500	750	250	1,000	500	1,500	0	1,500
45 Min	375	750	1,125	375	1,500	750	2,250	0	2,250
60 Min	500	1,000	1,500	500	2,000	751	2,751	0	2,751
75 Min	625	1,250	1,875	625	2,500	751	3,251	0	3,251
90 Min	750	1,500	2,250	750	3,000	751	3,751	0	3,751
105 Min	875	1,750	2,625	875	3,500	751	4,251	0	4,251
120 Min	1,000	2,000	3,000	1,000	4,000	751	4,751	0	4,751
135 Min	1,125	2,250	3,375	1,125	4,500	751	5,251	0	5,251
150 Min	1,250	2,500	3,750	1,250	5,000	751	5,751	0	5,751
165 Min	1,375	2,750	4,125	1,375	5,500	751	6,251	0	6,251
180 Min	1,500	3,000	4,500	1,500	6,000	751	6,751	0	6,751
195 Min	1,625	3,250	4,875	1,625	6,500	751	7,251	0	7,251
210 Min	1,750	3,500	5,250	1,750	7,000	751	7,751	0	7,751
225 Min	1,750	3,500	5,250	1,750	7,000	751	7,751	0	7,751

Wind Speed 40 mph (S direction)

with Partial Creek Avoidance Development

Narrative: Fire as a line of fire west of the northbound I-5 under a South Wind at 40 mph with the head fire moving to the north (branching to the west but holding at the freeway on the east). The wind direction and location of the fire does not have a high probability of spotting over the freeway in the vicinity of the Project Site. The program did not provide spots and they were not added manually.



South Line at 40 mph Partial Avoid			Evacuation to the South							
	Evac Pt. 11	Evac Pt. 12	Evac Pt. 3A	Evac Pt. 3 B	Evac Pt. 3 C	Route 0	Route 1	Route 2	Route 3	Route 4
15	0:15 Open	Open	11/3	11/3	Open	Open	Open	Open	Open	Open
30	0:30 Open	Open	11/3	11/3	Open	Open	Open	Open	Open	Open
45	0:45 Open	Open	11/3	11/3	Open	Open	Open	Open	Open	Open
60	1:00 Open	Open	11/3	11/3	Open	Open	Open	Open	Open	Open
75	1:15 Open	Open	11/3	11/3	Open	Open	Open	Open	Open	Open
90	1:30 Open	Open	11/3	11/3	Open	Open	Open	Open	Open	Open
105	1:45 Open	Open	11/3	11/3	Open	Open	Open	Open	Open	Open
120	2:00 Open	Open	11/3	11/3	Open	Open	Open	Open	Open	Open
135	2:15 Open	Open	11/3	11/3	Open	Open	Open	Open	Open	Open
150	2:30 Open	Open	11/3	11/3	Open	Open	Open	Open	Open	Open
165	2:45 Open	Open	11/3	11/3	Open	Open	Open	Open	Open	Open
180	3:00 Open	Open	11/3	11/3	Open	Open	Open	Open	Open	Open
195	3:15 Open	Open	11/3	11/3	Open	Open	Open	Open	Open	Open
210	3:30 Open	Open	11/3	11/3	Open	Open	Open	Open	Open	Open
225	3:45 Open	Open	11/3	11/3	Open	Open	Open	Open	Open	Open
240	4:00 Open	Open	11/3	11/3	Open	Open	Open	Open	Open	Open
255	4:15 Open	Open	11/3	11/3	Open	Open	Open	Open	Open	Open
270	4:30 Open	Open	11/3	11/3	Open	Open	Open	Open	Open	Open
285	4:45 Open	Open	11/3	11/3	Open	Open	Open	Open	Open	Open
300	5:00 Open	Open	11/3	11/3	Open	Open	Open	Open	Open	Open
315	5:15 Open	Open	11/3	11/3	Open	Open	Open	Open	Open	Open
330	5:30 Open	Open	11/3	11/3	Open	Open	Open	Open	Open	Open
345	5:45 Open	Open	11/3	11/3	Open	Open	Open	Open	Open	Open
360	6:00 Open	Open	11/3	11/3	Open	Open	Open	Open	Open	Open
375	6:15 Open	Open	11/3	11/3	Open	Open	Open	Open	Open	Open
390	6:30 Open	Open	11/3	11/3	Open	Open	Open	Open	Open	Open
405	6:45 Open	Open	11/3	11/3	Open	Open	Open	Open	Open	Open
420	7:00 Open	Open	11/3	11/3	Open	Open	Open	Open	Open	Open

5. FreewaySpotsat40 - Previously Approved Plan

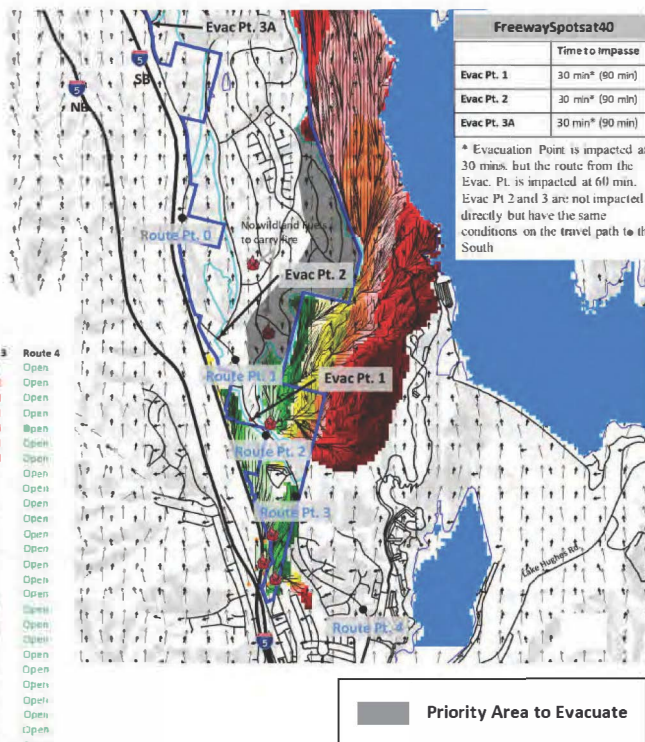
Results: 2.5 hours to evacuate 822 DU (1,924 vehicles) from the priority evacuation area of the Project
3.5 hours to evacuate entire Project 3,150 DU (7,371 vehicles)

Vehicles from Priority Evacuation Area of the Project
Remaining Vehicles from Project Area

Description	Evac Pt. 3	Evac Pt. 2	Ridge Route Pt. 1	Evac Pt. 1	Ridge Route Pt. 2	Project Affordable Housing	Ridge Route Pt. 3	Northlake Hills	Ridge Route Pt. 4
Number of vehicles to evacuate	484	997	1,482	442	1,924	0	1,924	0	1,924
Number of lanes at evacuation point	1	2	--	1	--	2	--	1	--
Vehicles per hour (vph) - no congestion	1,600	3,200	--	1,600	--	1,600	--	1,600	--
Vehicles per hour (vph) - with congestion	500	1,000	--	500	--	1,000	--	500	--
Vehicles per 15 min	125	250	--	125	--	250	--	125	--
Time limit	Closes at 30 Min, reopens at 120 Min	Closes at 30 Min, reopens at 120 Min	Closes at 30 Min, reopens at 120 Min	Closes at 30 Min, reopens at 120 Min	Closes at 30 Min, reopens at 120 Min	Closes at 30 Min, reopens at 120 Min	Closes at 30 Min, reopens at 120 Min	--	No limit
Vehicle Evacuation Shown in 15 Minute Intervals									
Time	A	B	A+B=C	D	C+D=E	F	E+F=G	H	G+H=I
	No. of Vehicles Passing Through Evac Pt. 3	No. of Vehicles Passing Through Evac Pt. 2	Total No. of Vehicles from Evac Pts. 3, 2 & 1 Passing Through Ridge Rt Pt. 1	No. of Vehicles Passing Through Evac Pt. 1	Total No. of Vehicles from Evac Pts. 3, 2 & 1 Passing Through Ridge Rt Pt. 2	No. of Vehicles from Project AH Passing through Ridge Rt south of B St	Total No. of Vehicles from Evac Pts. 3, 2, 1, & AH Passing Through Ridge Rt Pt. 3	No. of Vehicles from NH Passing Through Ridge Rt	Total No. of Vehicles from Evac Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt Pt. 4
15 Min	125	250	375	125	500	250	750	0	750
30 Min	125	250	375	125	500	250	750	0	750
45 Min	125	250	375	125	500	250	750	0	750
60 Min	125	250	375	125	500	250	750	0	750
75 Min	125	250	375	125	500	250	750	0	750
90 Min	125	250	375	125	500	250	750	0	750
105 Min	125	250	375	125	500	250	750	0	750
120 Min	250	500	750	250	1,000	500	1,500	0	1,500
135 Min	375	750	1,125	375	1,500	750	2,250	0	2,250
150 Min	500	1,000	1,500	500	2,000	751	2,751	0	2,751
165 Min	625	1,250	1,875	625	2,500	751	3,251	0	3,251
180 Min	750	1,500	2,250	750	3,000	751	3,751	0	3,751
195 Min	875	1,750	2,625	875	3,500	751	4,251	0	4,251
210 Min	1,000	2,000	3,000	1,000	4,000	751	4,751	0	4,751
225 Min	1,125	2,250	3,375	1,125	4,500	751	5,251	0	5,251
240 Min	1,250	2,500	3,750	1,250	5,000	751	5,751	0	5,751
255 Min	1,375	2,750	4,125	1,375	5,500	751	6,251	0	6,251
270 Min	1,500	3,000	4,500	1,500	6,000	751	6,751	0	6,751
285 Min	1,625	3,250	4,875	1,625	6,500	751	7,251	0	7,251
300 Min	1,750	3,500	5,250	1,750	7,000	751	7,751	0	7,751
315 Min	1,750	3,500	5,250	1,750	7,000	751	7,751	0	7,751

Spot Fire off Freeway NB (Wind S direction @ 40 mph) with Previously Approved Development

Narrative: Fire begins as a series of spot fires on the SB I-5 north of the NB/SB crossover. The fire is driven by a South wind at 40 mph. The fire was made to spot over Ridge Route in 30 min. It was made to spot again in another 30 min (60 min. elapsed time) to the north and a final time in another 30 min. (90 min. elapsed time). No flame propagation within the development area occurs. Ridge Route will be impacted for approximately 90 minutes for all Evac Points beginning 30 min into the scenario. Once the fire has passed this impact points, all Evac Points will reopen and remain open.



Freeway Spot at 40mph Approved	Evacuation to the South	Evac Pt. 3A	Evac Pt. 3B	Evac Pt. 3C	Route 0	Route 1	Route 2	Route 3	Route 4
15	0:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
30	0:30 Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed
45	0:45 Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed
60	1:00 Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed
75	1:15 Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed
90	1:30 Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed
105	1:45 Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed
120	2:00 Open	Open	Open	Open	Open	Open	Open	Open	Open
135	2:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
150	2:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
165	2:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
180	3:00 Open	Open	Open	Open	Open	Open	Open	Open	Open
195	3:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
210	3:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
225	3:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
240	4:00 Open	Open	Open	Open	Open	Open	Open	Open	Open
255	4:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
270	4:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
285	4:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
300	5:00 Open	Open	Open	Open	Open	Open	Open	Open	Open
315	5:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
330	5:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
345	5:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
360	6:00 Open	Open	Open	Open	Open	Open	Open	Open	Open
375	6:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
390	6:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
405	6:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
420	7:00 Open	Open	Open	Open	Open	Open	Open	Open	Open

5. FreewaySpotsat40 - Creek Avoidance Alt.

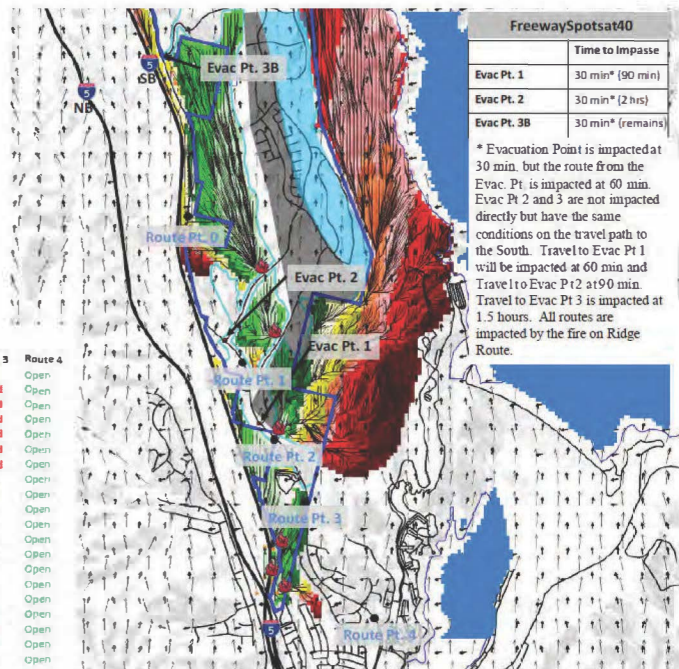
Results: 3.25 hours to evacuate 910 DU (2,129 vehicles) from the priority evacuation area of the Project
4.5 hours to evacuate entire Project 1,815 DU (4,247 vehicles)

Vehicles from Priority Evacuation Area of the Project
Remaining Vehicles from Project Area

Description	Evac Pt. 3	Evac Pt. 2	Ridge Route Pt. 1	Evac Pt. 1	Ridge Route Pt. 2	Project Affordable Housing	Ridge Route Pt. 3	Northlake Hills	Ridge Route Pt. 4
Number of vehicles to evacuate	122	1,119	1,241	792	2,033	97	2,129	0	2,129
Number of lanes at evacuation point	1	2	--	1	--	2	--	1	--
Vehicles per hour (vph) - no congestion	1,600	3,200	--	1,600	--	1,600	--	1,600	--
Vehicles per hour (vph) - with congestion	500	1,000	--	500	--	1,000	--	500	--
Vehicles per 15 min	125	250	--	125	--	250	--	125	--
Time limit	Closes at 30 Min	Closes at 30 Min, reopens at 150 Min	Closes at 30 Min, reopens at 120 Min	Closes at 30 Min, reopens at 120 Min	Closes at 30 Min, reopens at 120 Min	Closes at 30 Min, reopens at 120 Min	Closes at 30 Min, reopens at 120 Min	--	No limit
Vehicle Evacuation Shown in 15 Minute Intervals									
Time	A	B	A+B=C	D	C+D=E	F	E+F=G	H	G+H=I
	No. of Vehicles Passing Through Evac Pt. 3	No. of Vehicles Passing Through Evac Pt. 2	Total No. of Vehicles from Evac Pts. 3 and 2 Passing Through Ridge Rt Pt. 1	No. of Vehicles Passing Through Evac Pt. 1	Total No. of Vehicles from Evac Pts. 3, 2 & 1 Passing Through Ridge Rt. Pt. 2	No. of Vehicles from Project AH Passing through Ridge Rt south of B St	Total No. of Vehicles from Evac Pts. 3, 2, 1, & AH Passing Through Ridge Rt Pt. 3	No. of Vehicles from NH Passing Through Ridge Rt	Total No. of Vehicles from Evac Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt Pt. 4
15 Min	125	250	375	125	500	250	750	0	750
30 Min	125	250	375	125	500	250	750	0	750
45 Min	125	250	375	125	500	250	750	0	750
60 Min	125	250	375	125	500	250	750	0	750
75 Min	125	250	375	125	500	250	750	0	750
90 Min	125	250	375	125	500	250	750	0	750
105 Min	125	250	375	125	500	250	750	0	750
120 Min	125	250	375	250	625	386	1,011	0	1,011
135 Min	125	250	375	375	750	386	1,136	0	1,136
150 Min	125	500	625	500	1,125	386	1,511	0	1,511
165 Min	125	750	875	625	1,500	386	1,886	0	1,886
180 Min	125	1,000	1,125	750	1,875	386	2,261	0	2,261
195 Min	125	1,250	1,375	875	2,250	386	2,636	0	2,636
210 Min	125	1,500	1,625	1,000	2,625	386	3,011	0	3,011
225 Min	125	1,750	1,875	1,125	3,000	386	3,386	0	3,386
240 Min	125	2,000	2,125	1,250	3,375	386	3,761	0	3,761
255 Min	125	2,250	2,375	1,375	3,750	386	4,136	0	4,136
270 Min	125	2,500	2,625	1,500	4,125	386	4,511	0	4,511
285 Min	125	2,500	2,625	1,500	4,125	386	4,511	0	4,511

Spot Fire off Freeway NB (Wind S direction @ 40 mph) with Creek Avoidance Development

Narrative: Fire begins as a series of spot fires on the SB I-5 north of the NB/SB crossover. The fire is driven by a South wind at 40 mph. The fire was made to spot over Ridge Route in 30 min. It was made to spot again in another 30 min (60 min. elapsed time) to the north and a final time in another 30 min. (90 min. elapsed time). Ridge Route will be impacted for approximately 90 minutes for all Evac Points beginning 30 min into the scenario. Once the fire has passed this impact points, all Evac Points will reopen and remain open.



Freeway Spot at 40mph Avoid		Evacuation to the South									
Time	Evac Pt. 1	Evac Pt. 2	Evac Pt. 3A	Evac Pt. 3B	Evac Pt. 3C	Route 0	Route 1	Route 2	Route 3	Route 4	
15	0:15 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	
30	0:30 Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Open	
45	0:45 Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Open	
60	1:00 Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Open	
75	1:15 Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Open	
90	1:30 Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Open	
105	1:45 Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Open	
120	2:00 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	
135	2:15 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	
150	2:30 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	
165	2:45 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	
180	3:00 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	
195	3:15 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	
210	3:30 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	
225	3:45 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	
240	4:00 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	
255	4:15 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	
270	4:30 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	
285	4:45 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	
300	5:00 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	
315	5:15 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	
330	5:30 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	
345	5:45 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	
360	6:00 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	
375	6:15 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	
390	6:30 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	
405	6:45 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	
420	7:00 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	

An early shelter in place order is likely with evacuation after the fire front has cleared Evac Pt. 1 and Route Pts 2 and 3.

Priority Area to Evacuate

5. FreewaySpotsat40 - Partial Creek Avoidance Alt.

Results: 2.75 hours to evacuate 1,132 DU (2,649 vehicles) from the priority evacuation area of the Project
Project 5 hours to evacuate entire Project 3,150 DU (7,371 vehicles)

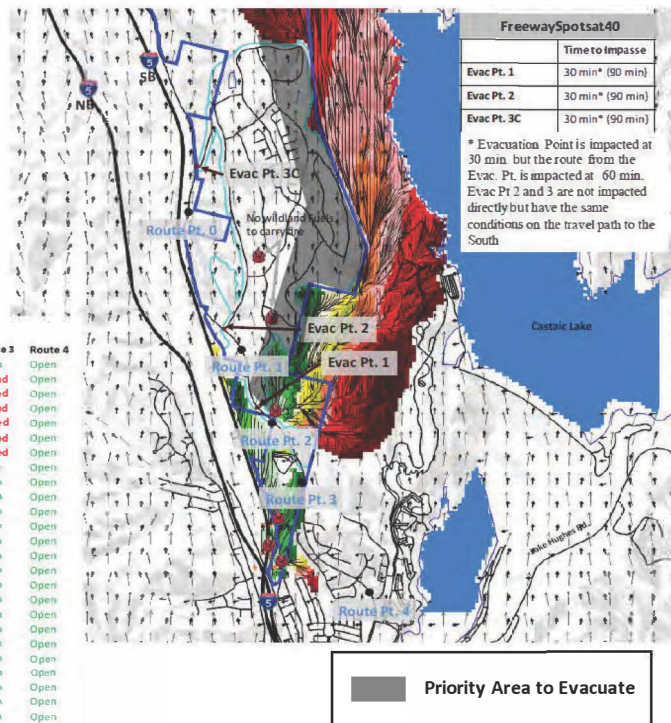
Vehicles from Priority Evacuation Area of the Project
Remaining Vehicles from Project Area

Description	Evac Pt. 3	Evac Pt. 2	Ridge Route Pt. 1	Evac Pt. 1	Ridge Route Pt. 2	Project Affordable Housing	Ridge Route Pt. 3	Northlake Hills	Ridge Route Pt. 4
Number of vehicles to evacuate	633	1,233	1,866	596	2,462	188	2,649	0	2,649
Number of lanes at evacuation point	1	2	--	1	--	2	--	1	--
Vehicles per hour (vph) - no congestion	1,600	3,200	--	1,600	--	1,600	--	1,600	--
Vehicles per hour (vph) - with congestion	500	1,000	--	500	--	1,000	--	500	--
Vehicles per 15 min	125	250	--	125	--	250	--	125	--
Time limit	Closes at 30 Min, reopens at 120 Min	Closes at 30 Min, reopens at 120 Min	Closes at 30 Min, reopens at 120 Min	Closes at 30 Min, reopens at 120 Min	Closes at 30 Min, reopens at 120 Min	Closes at 30 Min, reopens at 120 Min	Closes at 30 Min, reopens at 120 Min	--	No limit

Vehicle Evacuation Shown in 15 Minute Intervals									
	A	B	A+B=C	D	C+D=E	F	E+F=G	H	G+H=I
	No. of Vehicles Passing Through Evac Pt. 3	No. of Vehicles Passing Through Evac Pt. 2	Total No. of Vehicles from Evac Pts. 3, 2 and Evac Pt. 1 Passing Through Ridge Rt Pt. 1	No. of Vehicles Passing Through Evac Pt. 1	Total No. of Vehicles from Evac Pts. 3, 2 & 1 Passing Through Ridge Rt. Pt. 2	No. of Vehicles from Project AH Passing through Ridge Rt south of B St	Total No. of Vehicles from Evac Pts. 3, 2, 1, & AH Passing Through Ridge Rt Pt. 3	No. of Vehicles from NH Passing Through Ridge Rt	Total No. of Vehicles from Evac Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt Pt. 4
15 Min	125	250	375	125	500	250	750	0	750
30 Min	125	250	375	125	500	250	750	0	750
45 Min	125	250	375	125	500	250	750	0	750
60 Min	125	250	375	125	500	250	750	0	750
75 Min	125	250	375	125	500	250	750	0	750
90 Min	125	250	375	125	500	250	750	0	750
105 Min	125	250	375	125	500	250	750	0	750
120 Min	250	500	750	250	1,000	500	1,500	0	1,500
135 Min	375	750	1,125	375	1,500	750	2,250	0	2,250
150 Min	500	1,000	1,500	500	2,000	751	2,751	0	2,751
165 Min	625	1,250	1,875	625	2,500	751	3,251	0	3,251
180 Min	750	1,500	2,250	750	3,000	751	3,751	0	3,751
195 Min	875	1,750	2,625	875	3,500	751	4,251	0	4,251
210 Min	1,000	2,000	3,000	1,000	4,000	751	4,751	0	4,751
225 Min	1,125	2,250	3,375	1,125	4,500	751	5,251	0	5,251
240 Min	1,250	2,500	3,750	1,250	5,000	751	5,751	0	5,751
255 Min	1,375	2,750	4,125	1,375	5,500	751	6,251	0	6,251
270 Min	1,500	3,000	4,500	1,500	6,000	751	6,751	0	6,751
285 Min	1,625	3,250	4,875	1,625	6,500	751	7,251	0	7,251
300 Min	1,750	3,500	5,250	1,750	7,000	751	7,751	0	7,751
315 Min	1,750	3,500	5,250	1,750	7,000	751	7,751	0	7,751

Spot Fire off Freeway NB (Wind S direction @ 40 mph) with Partial Creek Avoidance Development

Narrative: Fire begins as a series of spot fires on the SB I-5 north of the NB/SB crossover. The fire is driven by a South wind at 40 mph. The fire was made to spot over Ridge Route in 30 min. It was made to spot again in another 30 min (60 min. elapsed time) to the north and a final time in another 30 min. (90 min. elapsed time). No flame propagation within the development area occurs. Ridge Route will be impacted for approximately 90 minutes for all Evac Points beginning 30 min into the scenario. Once the fire has passed this impact points, all Evac Points will reopen and remain open.



Freeway Spot at 40 mph Partial Avoid									
	Evac Pt. 1	Evac Pt. 2	Evac Pt. 3A	Evac Pt. 3B	Evac Pt. 3C	Route 0	Route 1	Route 2	Route 3
15	0:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
30	0:30 Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed
45	0:45 Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed
60	1:00 Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed
75	1:15 Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed
90	1:30 Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed
105	1:45 Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed	Closed
120	2:00 Open	Open	Open	Open	Open	Open	Open	Open	Open
135	2:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
150	2:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
165	2:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
180	3:00 Open	Open	Open	Open	Open	Open	Open	Open	Open
195	3:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
210	3:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
225	3:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
240	4:00 Open	Open	Open	Open	Open	Open	Open	Open	Open
255	4:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
270	4:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
285	4:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
300	5:00 Open	Open	Open	Open	Open	Open	Open	Open	Open
315	5:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
330	5:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
345	5:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
360	6:00 Open	Open	Open	Open	Open	Open	Open	Open	Open
375	6:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
390	6:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
405	6:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
420	7:00 Open	Open	Open	Open	Open	Open	Open	Open	Open

6. LakeSpotsat40 - Previously Approved Plan

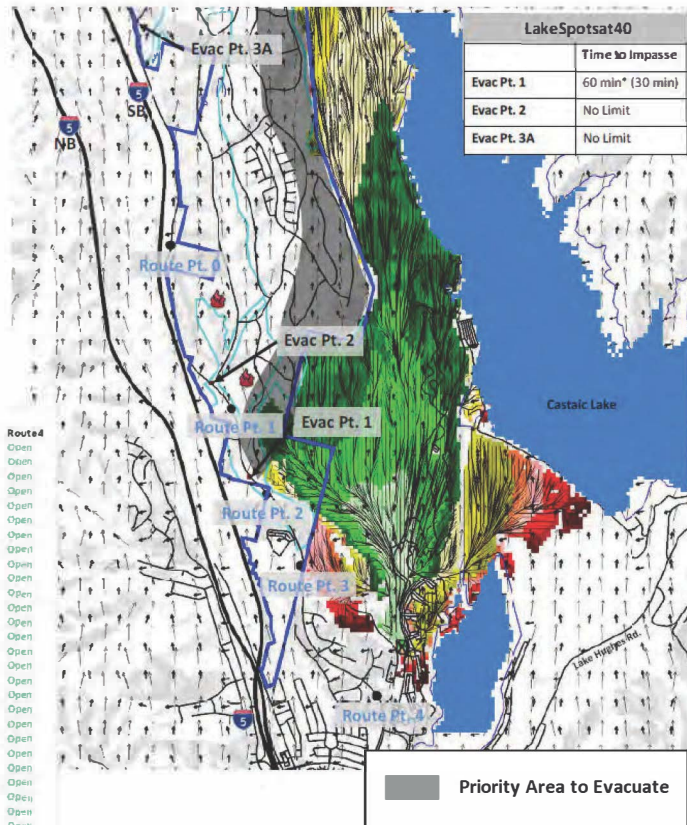
Results: 1.25 hours to evacuate 898 DU (2,101 vehicles) from the priority evacuation area of the Project
3.5 hours to evacuate entire Project 3,150 DU (7,371 vehicles)

Vehicles from Priority Evacuation Area of the Project
Remaining Vehicles from Project Area

Description	Evac Pt. 3	Evac Pt. 2	Ridge Route Pt. 1	Evac Pt. 1	Ridge Route Pt. 2	Project Affordable Housing	Ridge Route Pt. 3	Northlake Hills	Ridge Route Pt. 4
Number of vehicles to evacuate	510	1,032	1,542	370	1,912	189	2,101	0	2,101
Number of lanes at evacuation point	1	2	--	1	--	2	--	1	--
Vehicles per hour (vph) - no congestion	1,600	3,200	--	1,600	--	1,600	--	1,600	--
Vehicles per hour (vph) - with congestion	500	1,000	--	500	--	1,000	--	500	--
Vehicles per 15 min	125	250	--	125	--	250	--	125	--
Time limit	No Limit	No limit	Closes at 240 Min, reopens at 300 Min	Closes at 60 Min, reopens at 90 Min	Closes at 240 Min, reopens at 300 Min	Closes at 240 Min, reopens at 300 Min	Closes at 240 Min, reopens at 300 Min	--	No limit
Vehicle Evacuation Shown in 15 Minute Intervals									
Time	A	B	A+B=C	D	C+D=E	F	E+F=G	H	G+H=I
	No. of Vehicles Passing Through Evac Pt. 3	No. of Vehicles Passing Through Evac Pt. 2	Total No. of Vehicles from Evac Pt. 3 and Evac Pt. 2 Passing Through Ridge Rt Pt. 1	No. of Vehicles Passing Through Evac Pt. 1	Total No. of Vehicles from Evac Pts. 3, 2 & 1 Passing Through Ridge Rt. Pt. 2	No. of Vehicles from Project AH Passing through Ridge Rt south of B St	Total No. of Vehicles from Evac Pts. 3, 2, 1, & AH Passing Through Ridge Rt Pt. 3	No. of Vehicles from NH Passing Through Ridge Rt	Total No. of Vehicles from Evac Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt Pt. 4
15 Min	125	250	375	125	500	250	750	0	750
30 Min	250	500	750	250	1,000	500	1,500	0	1,500
45 Min	375	750	1,125	375	1,500	750	2,250	0	2,250
60 Min	500	1,000	1,500	375	1,875	751	2,626	0	2,626
75 Min	625	1,250	1,875	375	2,250	751	3,001	0	3,001
90 Min	750	1,500	2,250	500	2,750	751	3,501	0	3,501
105 Min	875	1,750	2,625	625	3,250	751	4,001	0	4,001
120 Min	1,000	2,000	3,000	750	3,750	751	4,501	0	4,501
135 Min	1,125	2,250	3,375	875	4,250	751	5,001	0	5,001
150 Min	1,250	2,500	3,750	1,000	4,750	751	5,501	0	5,501
165 Min	1,375	2,750	4,125	1,125	5,250	751	6,001	0	6,001
180 Min	1,500	3,000	4,500	1,250	5,750	751	6,501	0	6,501
195 Min	1,625	3,250	4,875	1,375	6,250	751	7,001	0	7,001
210 Min	1,750	3,500	5,250	1,500	6,750	751	7,501	0	7,501
225 Min	1,750	3,500	5,250	1,500	6,750	751	7,501	0	7,501

Origin with the County Recreation Area (Wind S direction @ 40 mph) with Previously Approved Development

Narrative: Fire begins as spot fires in the Recreation Area under a South Wind at 40 mph with the head fire moving to the north (branching to the east and west). Fire does not spot over roadways on the west side due to development. Fire continues to burn to the north on the east side of the Project Site.



Lake Spots at 40 mph Approved		Evacuation to the South		Evacuation to the North		Evacuation to the East		Evacuation to the West	
Time	Evac Pt. 1	Evac Pt. 2	Evac Pt. 3A	Evac Pt. 3B	Evac Pt. 3C	Route 0	Route 1	Route 2	Route 3
15	0:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
30	0:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
45	0:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
60	1:00 Closed	Open	Open	Open	Open	Open	Open	Open	Open
75	1:15 Closed	Open	Open	Open	Open	Open	Open	Open	Open
90	1:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
105	1:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
120	2:00 Open	Open	Open	Open	Open	Open	Open	Open	Open
135	2:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
150	2:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
165	2:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
180	3:00 Open	Open	Open	Open	Open	Open	Open	Open	Open
195	3:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
210	3:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
225	3:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
240	4:00 Open	Open	Open	Open	Open	Closed	Closed	Closed	Open
255	4:15 Open	Open	Open	Open	Open	Closed	Closed	Closed	Open
270	4:30 Open	Open	Open	Open	Open	Closed	Closed	Closed	Open
285	4:45 Open	Open	Open	Open	Open	Closed	Closed	Closed	Open
300	5:00 Open	Open	Open	Open	Open	Open	Open	Open	Open
315	5:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
330	5:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
345	5:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
360	6:00 Open	Open	Open	Open	Open	Open	Open	Open	Open
375	6:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
390	6:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
405	6:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
420	7:00 Open	Open	Open	Open	Open	Open	Open	Open	Open

6. LakeSpotsat40 - Creek Avoidance Alt.

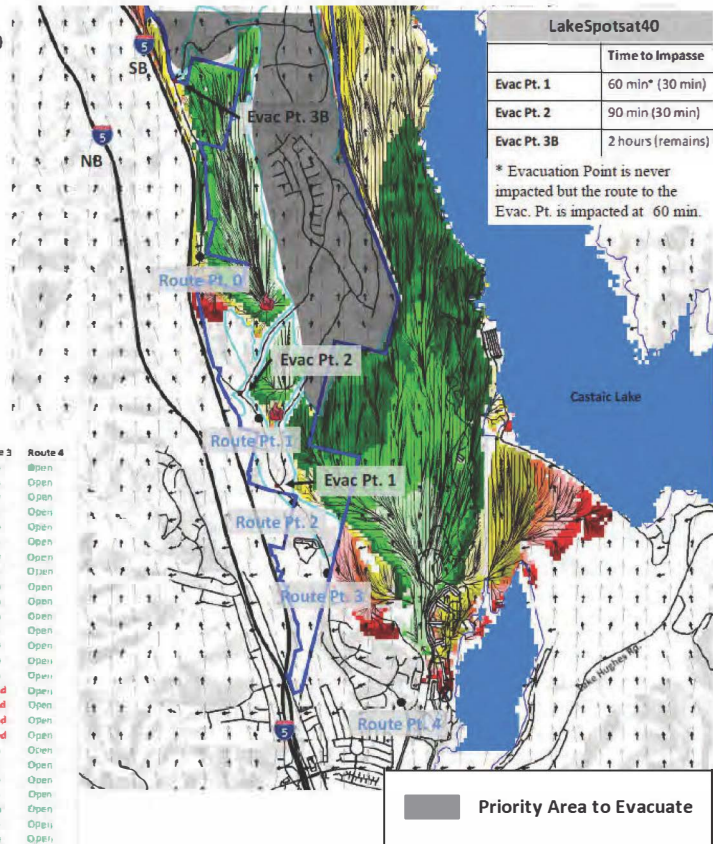
Results: 2.5 hours to evacuate 1,650 DU (3,861 vehicles) from the priority evacuation area of the Project
2.5 hours to evacuate entire Project 1,815 DU (4,247 vehicles)

Vehicles from Priority Evacuation Area of the Project
Remaining Vehicles from Project Area

Description	Evac Pt. 3	Evac Pt. 2	Ridge Route Pt. 1	Evac Pt. 1	Ridge Route Pt. 2	Project Affordable Housing	Ridge Route Pt. 3	Northlake Hills	Ridge Route Pt. 4
Number of vehicles to evacuate	550	1,188	1,738	295	2,033	0	2,033	0	2,033
Number of lanes at evacuation point	1	2	--	1	--	2	--	1	--
Vehicles per hour (vph) - no congestion	1,600	3,200	--	1,600	--	1,600	--	1,600	--
Vehicles per hour (vph) - with congestion	500	1,000	--	500	--	1,000	--	500	--
Vehicles per 15 min	125	250	--	125	--	250	--	125	--
Time limit	Closes at 120 Min.	Closes at 90 Min, reopens at 120 Min	Closes at 240 Min, reopens at 300 Min	Closes at 60 Min, reopens at 90 Min	Closes at 240 Min, reopens at 300 Min	Closes at 240 Min, reopens at 300 Min	Closes at 240 Min, reopens at 300 Min	--	No limit
Vehicle Evacuation Shown in 15 Minute Intervals									
	A	B	A+B=C	D	C+D=E	F	E+F=G	H	G+H=I
	No. of Vehicles Passing Through Evac Pt. 3	No. of Vehicles Passing Through Evac Pt. 2	Total No. of Vehicles from Evac Pts. 3 and 2 Passing Through Ridge Rt Pt. 1	No. of Vehicles Passing Through Evac Pt. 1	Total No. of Vehicles from Evac Pts. 3, 2 & 1 Passing Through Ridge Rt. Pt. 2	No. of Vehicles from Project AH Passing Through Ridge Rt south of B St	Total No. of Vehicles from Evac Pts. 3, 2, 1, & AH Passing Through Ridge Rt Pt. 3	No. of Vehicles from NH Passing Through Ridge Rt	Total No. of Vehicles from Evac Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt Pt. 4
15 Min	125	250	375	125	500	250	750	0	750
30 Min	250	500	750	250	1,000	386	1,386	0	1,386
45 Min	375	750	1,125	375	1,500	386	1,886	0	1,886
60 Min	500	1,000	1,500	375	1,875	386	2,261	0	2,261
75 Min	625	1,250	1,875	375	2,250	386	2,636	0	2,636
90 Min	750	1,250	2,000	500	2,500	386	2,886	0	2,886
105 Min	875	1,250	2,125	625	2,750	386	3,136	0	3,136
120 Min	875	1,500	2,375	750	3,125	386	3,511	0	3,511
135 Min	875	1,750	2,625	875	3,500	386	3,886	0	3,886
150 Min	875	2,000	2,875	1,000	3,875	386	4,261	0	4,261
165 Min	875	2,000	2,875	1,000	3,875	386	4,261	0	4,261

Origin with the County Recreation Area (Wind S direction @ 40 mph) with Creek Avoidance Development

Narrative: Fire begins as spot fires in the Recreation Area under a South Wind at 40 mph with the head fire moving to the north (branching to the east and west). At 60 min (elapsed time) fire spots over the access road to Evac Point 1, closing the access for 30 minutes. The fire on the west continues to burn north and spots over the access to Evac Point 2 at 90 min (elapsed time) and continues to burn to the north on both sides of the Project Site.



LakeSpotsat40 mph @ Creek Avoidance		Evacuation to the South					Route 0				
Evac Pt. 1	Evac Pt. 2	Evac Pt. 3A	Evac Pt. 3B	Evac Pt. 3C	Route 0	Route 1	Route 2	Route 3	Route 4		
15 0:15 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
30 0:30 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
45 0:45 Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
60 1:00 Closed	Closed	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
75 1:15 Closed	Closed	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
90 1:30 Open	Closed	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
105 1:45 Open	Closed	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
120 2:00 Open	Closed	Closed	Open	Open	Open	Open	Open	Open	Open	Open	Open
135 2:15 Open	Open	Closed	Open	Open	Open	Open	Open	Open	Open	Open	Open
150 2:30 Open	Open	Closed	Open	Open	Open	Open	Open	Open	Open	Open	Open
165 2:45 Open	Open	Closed	Open	Open	Open	Open	Open	Open	Open	Open	Open
180 3:00 Open	Open	Closed	Open	Open	Open	Open	Open	Open	Open	Open	Open
195 3:15 Open	Open	Closed	Open	Open	Open	Open	Open	Open	Open	Open	Open
210 3:30 Open	Open	Closed	Open	Open	Open	Open	Open	Open	Open	Open	Open
225 3:45 Open	Open	Closed	Open	Open	Open	Open	Open	Open	Open	Open	Open
240 4:00 Open	Open	Closed	Open	Open	Open	Open	Open	Open	Open	Open	Open
255 4:15 Open	Open	Closed	Open	Open	Open	Open	Open	Open	Open	Open	Open
270 4:30 Open	Open	Closed	Open	Open	Open	Open	Open	Open	Open	Open	Open
285 4:45 Open	Open	Closed	Open	Open	Open	Open	Open	Open	Open	Open	Open
300 5:00 Open	Open	Closed	Open	Open	Open	Open	Open	Open	Open	Open	Open
315 5:15 Open	Open	Closed	Open	Open	Open	Open	Open	Open	Open	Open	Open
330 5:30 Open	Open	Closed	Open	Open	Open	Open	Open	Open	Open	Open	Open
345 5:45 Open	Open	Closed	Open	Open	Open	Open	Open	Open	Open	Open	Open
360 6:00 Open	Open	Closed	Open	Open	Open	Open	Open	Open	Open	Open	Open
375 6:15 Open	Open	Closed	Open	Open	Open	Open	Open	Open	Open	Open	Open
390 6:30 Open	Open	Closed	Open	Open	Open	Open	Open	Open	Open	Open	Open
405 6:45 Open	Open	Closed	Open	Open	Open	Open	Open	Open	Open	Open	Open
420 7:00 Open	Open	Closed	Open	Open	Open	Open	Open	Open	Open	Open	Open

6. LakeSpotsat40 - Partial Creek Avoidance Alt.

Results: 1.5 hours to evacuate 1,056 DU (2,471 vehicles) from the priority evacuation area of the Project
3.5 hours to evacuate entire Project 3,150 DU (7,371 vehicles)

Vehicles from Priority Evacuation Area of the Project
Remaining Vehicles from Project Area

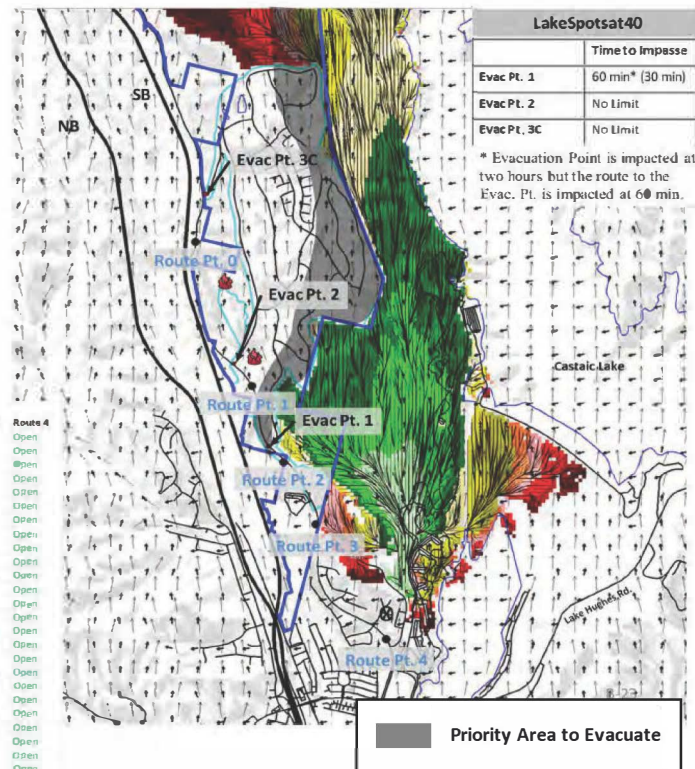
Description	Evac Pt. 3	Evac Pt. 2	Ridge Route Pt. 1	Evac Pt. 1	Ridge Route Pt. 2	Project Affordable Housing	Ridge Route Pt. 3	Northlake Hills	Ridge Route Pt. 4
Number of vehicles to evacuate	623	1,280	1,903	380	2,283	188	2,471	0	2,471
Number of lanes at evacuation point	1	2	--	1	--	2	--	--	--
Vehicles per hour (vph) - no congestion	1,600	3,200	--	1,600	--	1,600	--	1,600	--
Vehicles per hour (vph) - with congestion	500	1,000	--	500	--	1,000	--	500	--
Vehicles per 15 min	125	250	--	125	--	250	--	125	--
Time limit	No limit	No limit	Closes at 240 Min, reopens at 300 Min	Closes at 60 Min, reopens at 90 Min	Closes at 240 Min, reopens at 300 Min	Closes at 240 Min, reopens at 300 Min	Closes at 240 Min, reopens at 300 Min	--	No limit

Vehicle Evacuation Shown in 15 Minute Intervals

	A	B	A+B=C	D	C+D=E	F	E+F=G	H	G+H=I
Time	No. of Vehicles Passing Through Evac Pt. 3	No. of Vehicles Passing Through Evac Pt. 2	Total No. of Vehicles from Evac Pt. 3 and Evac Pt. 2 Passing Through Ridge Rt Pt. 1	No. of Vehicles Passing Through Evac Pt. 1	Total No. of Vehicles from Evac Pts. 3, 2 & 1 Passing Through Ridge Rt. Pt. 2	No. of Vehicles from Project AH Passing through Ridge Rt south of B St	Total No. of Vehicles from Evac Pts. 3, 2, 1, & AH Passing Through Ridge Rt Pt. 3	No. of Vehicles from NH Passing Through Ridge Rt	Total No. of Vehicles from Evac Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt Pt. 4
15 Min	125	250	375	125	500	250	750	0	750
30 Min	250	500	750	250	1,000	500	1,500	0	1,500
45 Min	375	750	1,125	375	1,500	750	2,250	0	2,250
60 Min	500	1,000	1,500	375	1,875	751	2,626	0	2,626
75 Min	625	1,250	1,875	375	2,250	751	3,001	0	3,001
90 Min	750	1,500	2,250	500	2,750	751	3,501	0	3,501
105 Min	875	1,750	2,625	625	3,250	751	4,001	0	4,001
120 Min	1,000	2,000	3,000	750	3,750	751	4,501	0	4,501
135 Min	1,125	2,250	3,375	875	4,250	751	5,001	0	5,001
150 Min	1,250	2,500	3,750	1,000	4,750	751	5,501	0	5,501
165 Min	1,375	2,750	4,125	1,125	5,250	751	6,001	0	6,001
180 Min	1,500	3,000	4,500	1,250	5,750	751	6,501	0	6,501
195 Min	1,625	3,250	4,875	1,375	6,250	751	7,001	0	7,001
210 Min	1,750	3,500	5,250	1,500	6,750	751	7,501	0	7,501
225 Min	1,750	3,500	5,250	1,500	6,750	751	7,501	0	7,501

Origin with the County Recreation Area (Wind S direction @ 40 mph) with Partial Creek Avoidance Development

Narrative: Fire begins as spot fires in the Recreation Area under a South Wind at 40 mph with the head fire moving to the north (branching to the east and west). Fire does not spot over roadways on the west side due to development. Fire continues to burn to the north on the east side of the Project Site.



Lake Spots at 40 mph/Partial Creek Avoidance		Evacuation to the South		Evac Pt. 3C	Route 0	Route 1	Route 2	Route 3	Route 4
Evac Pt. 1	Evac Pt. 2	Evac Pt. 3A	Evac Pt. 3B						
15	0:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
30	0:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
45	0:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
60	1:00 Closed	Open	Open	Open	Open	Open	Open	Open	Open
75	1:15 Closed	Open	Open	Open	Open	Open	Open	Open	Open
90	1:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
105	1:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
120	2:00 Open	Open	Open	Open	Open	Open	Open	Open	Open
135	2:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
150	2:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
165	2:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
180	3:00 Open	Open	Open	Open	Open	Open	Open	Open	Open
195	3:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
210	3:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
225	3:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
240	4:00 Open	Open	Open	Open	Open	Closed	Closed	Closed	Open
255	4:15 Open	Open	Open	Open	Open	Closed	Closed	Closed	Open
270	4:30 Open	Open	Open	Open	Open	Closed	Closed	Closed	Open
285	4:45 Open	Open	Open	Open	Open	Closed	Closed	Closed	Open
300	5:00 Open	Open	Open	Open	Open	Open	Open	Open	Open
315	5:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
330	5:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
345	5:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
360	6:00 Open	Open	Open	Open	Open	Open	Open	Open	Open
375	6:15 Open	Open	Open	Open	Open	Open	Open	Open	Open
390	6:30 Open	Open	Open	Open	Open	Open	Open	Open	Open
405	6:45 Open	Open	Open	Open	Open	Open	Open	Open	Open
420	7:00 Open	Open	Open	Open	Open	Open	Open	Open	Open

7. NEat70Line - Previously Approved Plan

Results: 1 hour to evacuate 570 DU (1,334 vehicles) from the priority evacuation area of the Project
4.5 hours to evacuate entire Project 3,150 DU (7,371 vehicles)

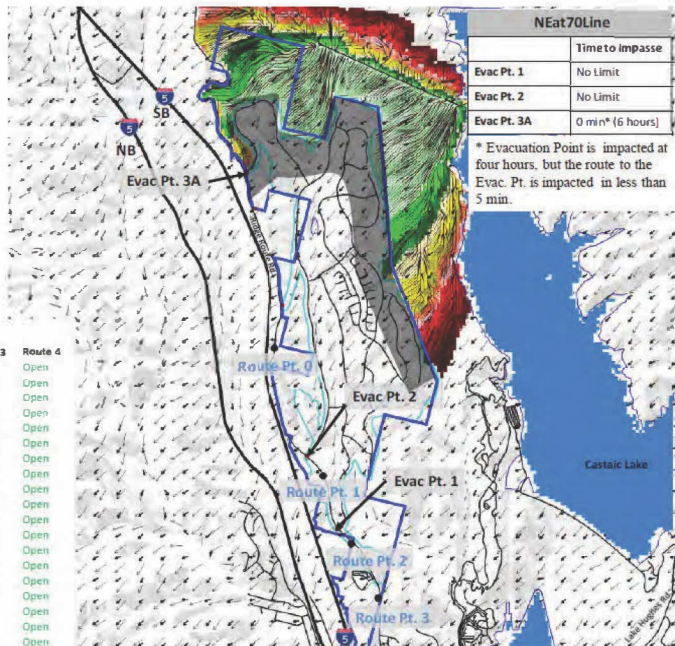
Vehicles from Priority Evacuation Area of the Project
Remaining Vehicles from Project Area

Description	Evac Pt. 3	Evac Pt. 2	Ridge Route Pt. 1	Evac Pt. 1	Ridge Route Pt. 2	Project Affordable Housing	Ridge Route Pt. 3	Northlake Hills	Ridge Route Pt. 4
Number of vehicles to evacuate	0	927	927	408	1,334	0	1,334	0	1,334
Number of lanes at evacuation point	1	2	--	1	--	2	--	1	--
Vehicles per hour (vph) - no congestion	1,600	3,200	--	1,600	--	1,600	--	1,600	--
Vehicles per hour (vph) - with congestion	500	1,000	--	500	--	1,000	--	500	--
Vehicles per 15 min	125	250	--	125	--	250	--	125	--
Time limit	Closed until 300 Min after fire started	No limit	No limit	No limit	No limit	No limit	No limit	--	No limit

Vehicle Evacuation Shown in 15 Minute Intervals									
	A	B	A+B=C	D	C+D=E	F	E+F=G	H	G+H=I
	No. of Vehicles Passing Through Evac Pt. 3	No. of Vehicles Passing Through Evac Pt. 2	Total No. of Vehicles from Evac Pt. 3 and Evac Pt. 2 Passing Through Ridge Rt Pt. 1	No. of Vehicles Passing Through Evac Pt. 1	Total No. of Vehicles from Evac Pts. 3, 2 & 1 Passing Through Ridge Rt. Pt. 2	No. of Vehicles from Project AH Passing through Ridge Rt south of B St	Total No. of Vehicles from Evac Pts. 3, 2, 1, & AH Passing Through Ridge Rt Pt. 3	No. of Vehicles from NH Passing Through Ridge Rt	Total No. of Vehicles from Evac Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt Pt. 4
15 Min	0	250	250	125	375	250	625	0	625
30 Min	0	500	500	250	750	500	1,250	0	1,250
45 Min	0	750	750	375	1,125	750	1,875	0	1,875
60 Min	0	1,000	1,000	500	1,500	751	2,251	0	2,251
75 Min	0	1,250	1,250	625	1,875	751	2,626	0	2,626
90 Min	0	1,500	1,500	750	2,250	751	3,001	0	3,001
105 Min	0	1,750	1,750	875	2,625	751	3,376	0	3,376
120 Min	0	2,000	2,000	1,000	3,000	751	3,751	0	3,751
135 Min	0	2,250	2,250	1,125	3,375	751	4,126	0	4,126
150 Min	0	2,500	2,500	1,250	3,750	751	4,501	0	4,501
165 Min	0	2,750	2,750	1,375	4,125	751	4,876	0	4,876
180 Min	0	3,000	3,000	1,500	4,500	751	5,251	0	5,251
195 Min	0	3,250	3,250	1,625	4,875	751	5,626	0	5,626
210 Min	0	3,500	3,500	1,750	5,250	751	6,001	0	6,001
225 Min	0	3,750	3,750	1,875	5,625	751	6,376	0	6,376
240 Min	0	4,000	4,000	2,000	6,000	751	6,751	0	6,751
255 Min	0	4,250	4,250	2,125	6,375	751	7,126	0	7,126
270 Min	0	4,500	4,500	2,250	6,750	751	7,501	0	7,501
285 Min	0	4,500	4,500	2,250	6,750	751	7,501	0	7,501

Wind Driven Fire at North Interface (Wind NE direction @ 70 mph) with Previously Approved Development

Narrative: Fire is modeled from an existing line of fire to the NE of the Project Site. Wind is from the NE at 70 mph. Fire impact the Project Site in less than 5 minutes if the fire has progressed to this point. Fire continues to burn south along the eastern edge of the Project Site. Fire may spot across the freeway but will not impact the evacuation points or route points if it did so if it was not modeled.



NEat70mph Approved		Evacuation to the South									
	Evac Pt.1	Evac Pt.2	Evac Pt. 3A	Evac Pt. 3B	Evac Pt. 3C	Route 0	Route 1	Route 2	Route 3	Route 4	
15	0:15 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open	Open	
30	0:30 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open	Open	
45	0:45 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open	Open	
60	1:00 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open	Open	
75	1:15 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open	Open	
90	1:30 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open	Open	
105	1:45 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open	Open	
120	2:00 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open	Open	
135	2:15 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open	Open	
150	2:30 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open	Open	
165	2:45 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open	Open	
180	3:00 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open	Open	
195	3:15 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open	Open	
210	3:30 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open	Open	
225	3:45 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open	Open	
240	4:00 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open	Open	
255	4:15 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open	Open	
270	4:30 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open	Open	
285	4:45 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open	Open	
300	5:00 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	
315	5:15 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	
330	5:30 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	
345	5:45 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	
360	6:00 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	
375	6:15 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	
390	6:30 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	
405	6:45 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	
420	7:00 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	

7. NEat70Line - Creek Avoidance Alt.

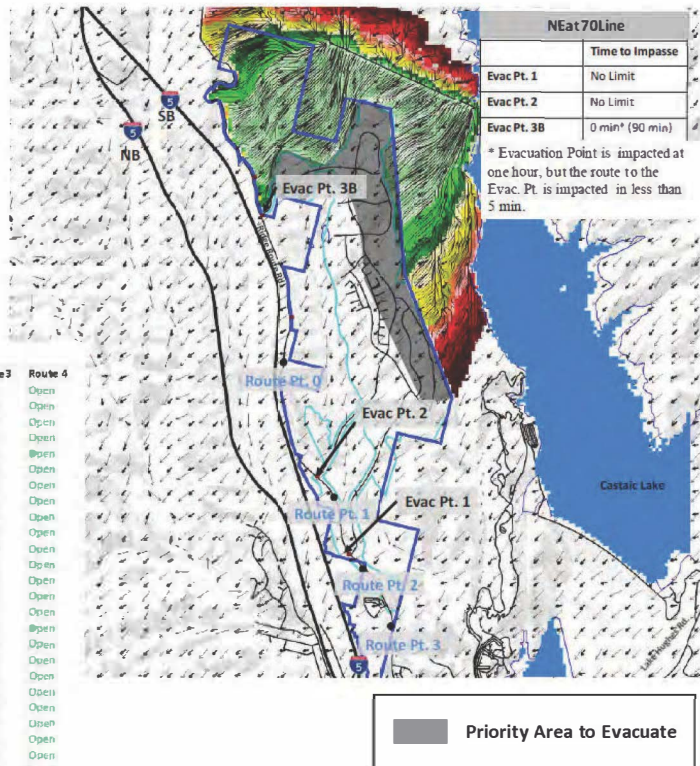
Results: 1.5 hours to evacuate 826 DU (1,932 vehicles) from the priority evacuation area of the Project
2.5 hours to evacuate 1,815 DU entire Project (4,247 vehicles)

Vehicles from Priority Evacuation Area of the Project
Remaining Vehicles from Project Area

Description	Evac Pt. 3	Evac Pt. 2	Ridge Route Pt. 1	Evac Pt. 1	Ridge Route Pt. 2	Project Affordable Housing	Ridge Route Pt. 3	Northlake Hills	Ridge Route Pt. 4
Number of vehicles to evacuate	0	1,267	1,069	665	1,932	0	1,932	0	1,932
Number of lanes at evacuation point	1	2	--	1	--	2	--	1	--
Vehicles per hour (vph) - no congestion	1,600	3,200	--	1,600	--	1,600	--	1,600	--
Vehicles per hour (vph) - with congestion	500	1,000	--	500	--	1,000	--	500	--
Vehicles per 15 min	125	250	--	125	--	250	--	125	--
Time limit	Closed until 105 Min after the fire started	No limit	No limit	No limit	No limit	No limit	No limit	--	No limit
Vehicle Evacuation Shown in 15 Minute Intervals									
	A	B	A+B=C	D	C+D=E	F	E+F=G	H	G+H=I
Time	No. of Vehicles Passing Through Evac Pt. 3	No. of Vehicles Passing Through Evac Pt. 2	Total No. of Vehicles from Evac Pt. 3 and Evac Pt. 2 Passing Through Ridge Rt. Pt. 1	No. of Vehicles Passing Through Evac Pt. 1	Total No. of Vehicles from Evac Pts. 3, 2 & 1 Passing Through Ridge Rt. Pt. 2	No. of Vehicles from Project AH Passing through Ridge Rt. south of B St	Total No. of Vehicles from Evac Pts. 3, 2, 1, & AH Passing Through Ridge Rt. Pt. 3	No. of Vehicles from NH Passing Through Ridge Rt	Total No. of Vehicles from Evac Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt. Pt. 4
15 Min	0	250	250	125	375	250	625	0	625
30 Min	0	500	500	250	750	386	1,136	0	1,136
45 Min	0	750	750	375	1,125	386	1,511	0	1,511
60 Min	0	1,000	1,000	500	1,500	386	1,886	0	1,886
75 Min	0	1,250	1,250	625	1,875	386	2,261	0	2,261
90 Min	0	1,500	1,500	750	2,250	386	2,636	0	2,636
105 Min	125	1,750	1,875	875	2,750	386	3,136	0	3,136
120 Min	250	2,000	2,250	1,000	3,250	386	3,636	0	3,636
135 Min	375	2,250	2,625	1,125	3,750	386	4,136	0	4,136
150 Min	500	2,500	3,000	1,250	4,250	386	4,636	0	4,636
165 Min	500	2,500	3,000	1,250	4,250	386	4,636	0	4,636

Wind Driven Fire at North Interface (Wind NE direction @ 70 mph) with Creek Avoidance Development

Narrative: Fire is modeled from an existing line of fire to the NE of the Project Site. Wind is from the NE at 70 mph. Fire impact the Project Site in less than 5 minutes if the fire has progressed to this point. Fire continues to burn south along the eastern edge of the Project Site. Fire may spot across the freeway but will not impact the evacuation points or route points if it did so if was not modeled.



NE at 70 mph Creek Avoidance		Evacuation to the South									
		Evac Pt. 1	Evac Pt. 2	Evac Pt. 3A	Evac Pt. 3B	Evac Pt. 3C	Route 0	Route 1	Route 2	Route 3	Route 4
15	0:15	Open	Open	Closed	Closed	Open	Open	Open	Open	Open	Open
30	0:30	Open	Open	Closed	Closed	Open	Open	Open	Open	Open	Open
45	0:45	Open	Open	Closed	Closed	Open	Open	Open	Open	Open	Open
60	1:00	Open	Open	Closed	Closed	Open	Open	Open	Open	Open	Open
75	1:15	Open	Open	Closed	Closed	Open	Open	Open	Open	Open	Open
90	1:30	Open	Open	Closed	Closed	Open	Open	Open	Open	Open	Open
105	1:45	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
120	2:00	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
135	2:15	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
150	2:30	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
165	2:45	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
180	3:00	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
195	3:15	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
210	3:30	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
225	3:45	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
240	4:00	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
255	4:15	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
270	4:30	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
285	4:45	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
300	5:00	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
315	5:15	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
330	5:30	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
345	5:45	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
360	6:00	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
375	6:15	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
390	6:30	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
405	6:45	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open
420	7:00	Open	Open	Open	Open	Open	Open	Open	Open	Open	Open

7. NEat70Line - Partial Creek Avoidance Alt.

Results: 4.5 hours to evacuate entire Project 3,150 DU (7,371 vehicles)

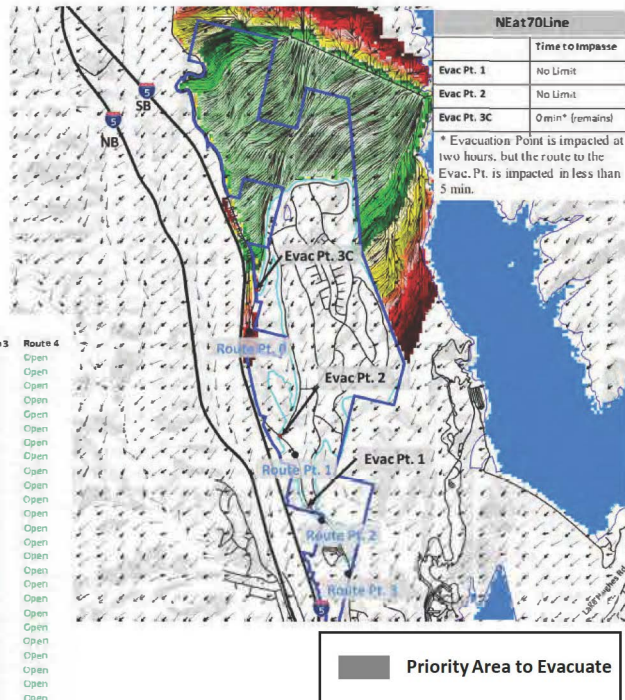
Vehicles from Priority Evacuation Area of the Project
Remaining Vehicles from Project Area

Description	Evac Pt. 3	Evac Pt. 2	Ridge Route Pt. 1	Evac Pt. 1	Ridge Route Pt. 2	Project Affordable Housing	Ridge Route Pt. 3	Northlake Hills	Ridge Route Pt. 4
Number of vehicles to evacuate	0	4,423	4,423	2,197	6,620	751	7,371	0	7,371
Number of lanes at evacuation point	1	2	--	1	--	2	--	--	--
Vehicles per hour (vph) - no congestion	1,600	3,200	--	1,600	--	1,600	--	1,600	--
Vehicles per hour (vph) - with congestion	500	1,000	--	500	--	1,000	--	500	--
Vehicles per 15 min	125	250	--	125	--	250	--	125	--
	Closed, Ridge Route 0 closes at 60 Min								
Time limit		No limit	No limit	No limit	No limit	No limit	No limit	--	No limit

Vehicle Evacuation Shown in 15 Minute Intervals										
	Time	A	B	A+B=C	D	C+D=E	F	E+F=G	H	G+H=I
		No. of Vehicles Passing Through Evac Pt. 3	No. of Vehicles Passing Through Evac Pt. 2	Total No. of Vehicles from Evac Pt. 3 and Evac Pt. 2 Passing Through Ridge Rt Pt. 1	No. of Vehicles Passing Through Evac Pt. 1	Total No. of Vehicles from Evac Pts. 3, 2 & 1 Passing Through Ridge Rt. Pt. 2	No. of Vehicles from Project AH Passing through Ridge Rt south of B St	Total No. of Vehicles from Evac Pts. 3, 2, 1, & AH Passing Through Ridge Rt Pt. 3	No. of Vehicles from NH Passing Through Ridge Rt	Total No. of Vehicles from Evac Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt Pt. 4
	15 Min	0	250	250	125	375	250	625	0	625
	30 Min	0	500	500	250	750	500	1,250	0	1,250
	45 Min	0	750	750	375	1,125	750	1,875	0	1,875
	60 Min	0	1,000	1,000	500	1,500	751	2,251	0	2,251
	75 Min	0	1,250	1,250	625	1,875	751	2,626	0	2,626
	90 Min	0	1,500	1,500	750	2,250	751	3,001	0	3,001
	105 Min	0	1,750	1,750	875	2,625	751	3,376	0	3,376
	120 Min	0	2,000	2,000	1,000	3,000	751	3,751	0	3,751
	135 Min	0	2,250	2,250	1,125	3,375	751	4,126	0	4,126
	150 Min	0	2,500	2,500	1,250	3,750	751	4,501	0	4,501
	165 Min	0	2,750	2,750	1,375	4,125	751	4,876	0	4,876
	180 Min	0	3,000	3,000	1,500	4,500	751	5,251	0	5,251
	195 Min	0	3,250	3,250	1,625	4,875	751	5,626	0	5,626
	210 Min	0	3,500	3,500	1,750	5,250	751	6,001	0	6,001
	225 Min	0	3,750	3,750	1,875	5,625	751	6,376	0	6,376
	240 Min	0	4,000	4,000	2,000	6,000	751	6,751	0	6,751
	255 Min	0	4,250	4,250	2,125	6,375	751	7,126	0	7,126
	270 Min	0	4,500	4,500	2,250	6,750	751	7,501	0	7,501
	285 Min	0	4,500	4,500	2,250	6,750	751	7,501	0	7,501

Wind Driven Fire at North Interface (Wind NE direction @ 70 mph) with Partial Creek Avoidance Development

Narrative: Fire is modeled from an existing line of fire to the NE of the Project Site. Wind is from the NE at 70 mph. Fire impact the Project Site in less than 5 minutes if the fire has progressed to this point. Fire continues to burn south along the eastern edge of the Project Site. Fire may spot across the freeway but will not impact the evacuation points or route points if it did so if it was not modeled. Fire will continue to burn south on the west side of the Project Site (out of alignment) for the balance of the modeling timeframe.



NE at 70 mph/Partial Creek Avoidance		Evacuation to the South									
		Evac Pt. 1	Evac Pt. 2	Evac Pt. 3A	Evac Pt. 3B	Evac Pt. 3C	Route 0	Route 1	Route 2	Route 3	Route 4
15	0:15	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
30	0:30	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
45	0:45	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
60	1:00	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
75	1:15	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
90	1:30	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
105	1:45	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
120	2:00	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
135	2:15	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
150	2:30	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
165	2:45	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
180	3:00	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
195	3:15	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
210	3:30	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
225	3:45	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
240	4:00	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
255	4:15	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
270	4:30	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
285	4:45	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
300	5:00	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
315	5:15	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
330	5:30	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
345	5:45	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
360	6:00	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
375	6:15	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
390	6:30	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
405	6:45	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open
420	7:00	Open	Open	Open	Open	Closed	Open	Open	Open	Open	Open

8. NNEat70Line- Previously Approved Plan

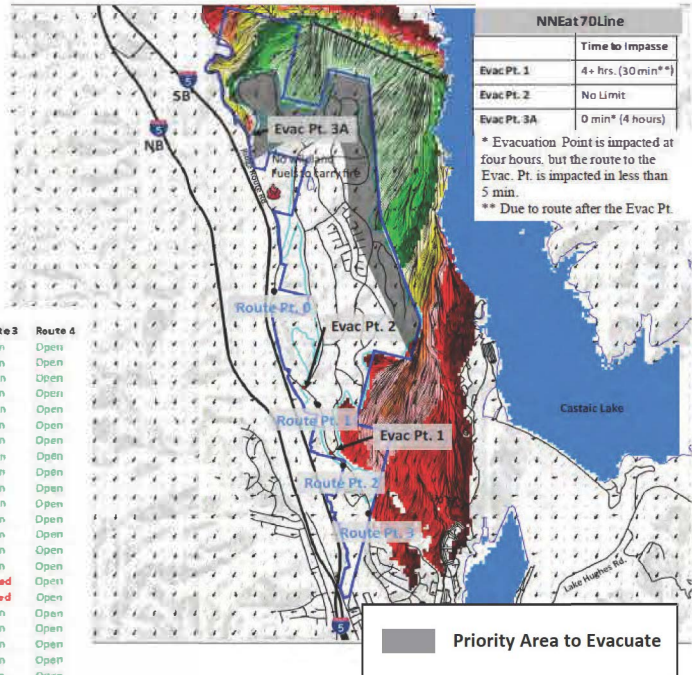
Results: 1.5 hour to evacuate 842 DU (1,970 vehicles) from the priority evacuation area of the Project
4.75 hours to evacuate entire Project 3,150 DU (7,371 vehicles)

Vehicles from Priority Evacuation Area of the Project
Remaining Vehicles from Project Area

Description	Evac Pt. 3	Evac Pt. 2	Ridge Route Pt. 1	Evac Pt. 1	Ridge Route Pt. 2	Project Affordable Housing	Ridge Route Pt. 3	Northlake Hills	Ridge Route Pt. 4
Number of vehicles to evacuate	0	1,276	1,276	693	1,970	0	1,970	0	1,970
Number of lanes at evacuation point	1	2	--	1	--	2	--	1	--
Vehicles per hour (vph) - no congestion	1,600	3,200	--	1,600	--	1,600	--	1,600	--
Vehicles per hour (vph) - with congestion	500	1,000	--	500	--	1,000	--	500	--
Vehicles per 15 min	125	250	--	125	--	250	--	125	--
Time limit	Closed until 255 Min from start of fire	No limit	No limit	No limit	Ridge Route closes at 240 Min and reopens at 270 Min	Ridge Route closes at 240 Min and reopens at 270 Min	Ridge Route closes at 240 Min and reopens at 270 Min	--	No limit
Vehicle Evacuation Shown in 15 Minute Intervals									
	A	B	A+B=C	D	C+D=E	F	E+F=G	H	G+H=I
Time	No. of Vehicles Passing Through Evac Pt. 3	No. of Vehicles Passing Through Evac Pt. 2	Total No. of Vehicles from Evac. Pt. 3 and Evac. Pt. 2 Passing Through Ridge Rt. Pt. 1	No. of Vehicles Passing Through Evac Pt. 1	Total No. of Vehicles from Evac. Pts. 3, 2 & 1 Passing Through Ridge Rt. Pt. 2	No. of Vehicles from Project AH Passing through Ridge Rt. south of B St	Total No. of Vehicles from Evac. Pts. 3, 2, 1, & AH Passing Through Ridge Rt. Pt. 3	No. of Vehicles from NH Passing Through Ridge Rt. 4	Total No. of Vehicles from Evac. Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt. Pt. 4
15 Min	0	250	250	125	375	250	625	0	625
30 Min	0	500	500	250	750	500	1,250	0	1,250
45 Min	0	750	750	375	1,125	750	1,875	0	1,875
60 Min	0	1,000	1,000	500	1,500	751	2,251	0	2,251
75 Min	0	1,250	1,250	625	1,875	751	2,626	0	2,626
90 Min	0	1,500	1,500	750	2,250	751	3,001	0	3,001
105 Min	0	1,750	1,750	875	2,625	751	3,376	0	3,376
120 Min	0	2,000	2,000	1,000	3,000	751	3,751	0	3,751
135 Min	0	2,250	2,250	1,125	3,375	751	4,126	0	4,126
150 Min	0	2,500	2,500	1,250	3,750	751	4,501	0	4,501
165 Min	0	2,750	2,750	1,375	4,125	751	4,876	0	4,876
180 Min	0	3,000	3,000	1,500	4,500	751	5,251	0	5,251
195 Min	0	3,250	3,250	1,625	4,875	751	5,626	0	5,626
210 Min	0	3,500	3,500	1,750	5,250	751	6,001	0	6,001
225 Min	0	3,750	3,750	1,875	5,625	751	6,376	0	6,376
240 Min	0	3,750	3,750	1,875	5,625	751	6,376	0	6,376
255 Min	0	3,750	3,750	1,875	5,625	751	6,376	0	6,376
270 Min	125	4,000	4,125	2,000	6,125	751	6,876	0	6,876
285 Min	250	4,250	4,500	2,125	6,625	751	7,376	0	7,376
300 Min	250	4,250	4,500	2,125	6,625	751	7,376	0	7,376

Wind Driven Fire at North Interface (Wind NNE direction @ 70 mph) with Previously Approved Development

Narrative: Fire is modeled from an existing line of fire to the NE of the Project Site. Wind is from the NNE at 70 mph. Fire impact the Project Site in less than 5 minutes if the fire has progressed to this point. Fire continues to burn south along the eastern edge of the Project Site. Fire may spot across the freeway but will not impact the evacuation points or route points if it did so it was not modeled. Fire will eventually impact Ridge Route to the south and close all evacuations for a period of 30-60 min. This will occur approximately four hours into the simulated event.



NNE at 70 mph Approved		Evacuation to the South							
	Evac Pt. 1	Evac Pt. 2	Evac Pt. 3A	Evac Pt. 3B	Evac Pt. 3C	Route 0	Route 1	Route 2	Route 3
15	0:15 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
30	0:30 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
45	0:45 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
60	1:00 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
75	1:15 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
90	1:30 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
105	1:45 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
120	2:00 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
135	2:15 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
150	2:30 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
165	2:45 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
180	3:00 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
195	3:15 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
210	3:30 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
225	3:45 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
240	4:00 Open	Open	Closed	n/a	n/a	Open	Open	Closed	Closed
255	4:15 Open	Open	Open	n/a	n/a	Open	Open	Closed	Closed
270	4:30 Open	Open	Open	n/a	n/a	Open	Open	Open	Open
285	4:45 Open	Open	Open	n/a	n/a	Open	Open	Open	Open
300	5:00 Open	Open	Open	n/a	n/a	Open	Open	Open	Open
315	5:15 Open	Open	Open	n/a	n/a	Open	Open	Open	Open
330	5:30 Open	Open	Open	n/a	n/a	Open	Open	Open	Open
345	5:45 Open	Open	Open	n/a	n/a	Open	Open	Open	Open
360	6:00 Open	Open	Open	n/a	n/a	Open	Open	Open	Open
375	6:15 Open	Open	Open	n/a	n/a	Open	Open	Open	Open
390	6:30 Open	Open	Open	n/a	n/a	Open	Open	Open	Open
405	6:45 Open	Open	Open	n/a	n/a	Open	Open	Open	Open
420	7:00 Open	Open	Open	n/a	n/a	Open	Open	Open	Open

8. NNEat70Line - Creek Avoidance Alt.

Results: 1.25 hours to evacuate 767 DU (1,795 vehicles) from the priority evacuation area of the Project
2.75 hours to evacuate entire Project 1,815 DU (4,247 vehicles)

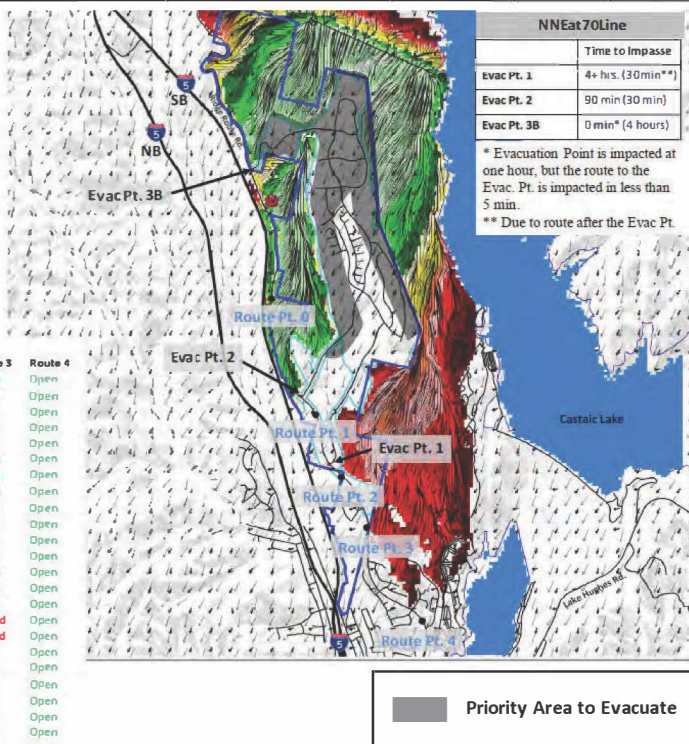
Vehicles from Priority Evacuation Area of the Project
Remaining Vehicles from Project Area

Description	Evac Pt. 3	Evac Pt. 2	Ridge Route Pt. 1	Evac Pt. 1	Ridge Route Pt. 2	Project Affordable Housing	Ridge Route Pt. 3	Northlake Hills	Ridge Route Pt. 4
Number of vehicles to evacuate	0	1,227	1,227	567	1,795	0	1,795	0	1,795
Number of lanes at evacuation point	1	2	--	1	--	2	--	1	--
Vehicles per hour (vph) - no congestion	1,600	3,200	--	1,600	--	1,600	--	1,600	--
Vehicles per hour (vph) - with congestion	500	1,000	--	500	--	1,000	--	500	--
Vehicles per 15 min	125	250	--	125	--	250	--	125	--
Time limit	Closed until 255 Min at fire started	No limit	No limit	No limit	Ridge Route closes at 240 Min and reopens at 270 Min	Ridge Route closes at 240 Min and reopens at 270 Min	Ridge Route closes at 240 Min and reopens at 270 Min	--	No limit

Vehicle Evacuation Shown in 15 Minute Intervals									
	A	B	A+B=C	D	C+D=E	F	E+F=G	H	G+H=I
	No. of Vehicles Passing Through Evac Pt. 3	No. of Vehicles Passing Through Evac Pt. 2	Total No. of Vehicles from Evac. Pt. 3 and Evac. Pt. 2 Passing Through Ridge Rt. Pt. 1	No. of Vehicles Passing Through Evac Pt. 1	Total No. of Vehicles from Evac. Pts. 3, 2 & 1 Passing Through Ridge Rt. Pt. 2	No. of Vehicles from Project AH Passing Through Ridge Rt. south of B St	Total No. of Vehicles from Evac. Pts. 3, 2, 1, & AH Passing Through Ridge Rt. Pt. 3	No. of Vehicles from NH Passing Through Ridge Rt.	Total No. of Vehicles from Evac. Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt. Pt. 4
15 Min	0	250	250	125	375	250	625	0	625
30 Min	0	500	500	250	750	386	1,136	0	1,136
45 Min	0	750	750	375	1,125	386	1,511	0	1,511
60 Min	0	1,000	1,000	500	1,500	386	1,886	0	1,886
75 Min	0	1,250	1,250	625	1,875	386	2,261	0	2,261
90 Min	0	1,500	1,500	750	2,250	386	2,636	0	2,636
105 Min	0	1,750	1,750	875	2,625	386	3,011	0	3,011
120 Min	0	2,000	2,000	1,000	3,000	386	3,386	0	3,386
135 Min	0	2,250	2,250	1,125	3,375	386	3,761	0	3,761
150 Min	0	2,500	2,500	1,250	3,750	386	4,136	0	4,136
165 Min	0	2,750	2,750	1,375	4,125	386	4,511	0	4,511
180 Min	0	2,750	2,750	1,375	4,125	386	4,511	0	4,511

Wind Driven Fire at North Interface (Wind NNE direction @ 70 mph) with Creek Avoidance Development

Narrative: Fire is modeled from an existing line of fire to the NE of the Project Site. Wind is from the NNE at 70 mph. Fire impact the Project Site in less than 5 minutes if the fire has progressed to this point. Fire continues to burn south along the eastern edge of the Project Site. Fire may spot across the freeway but will not impact the evacuation points or route points if it did so if it was not modeled. Fire will continue to burn south on the west side of the Project Site down to Evac Pt. 2. Fire will eventually impact Ridge Route to the south and close all evacuations for a period of 30-60 min. This will occur approximately four hours into the simulated event.



NNE at 70mph Creek Avoidance									
	Evac Pt. 1	Evac Pt. 2	Evac Pt. 3A	Evac Pt. 3B	Evac Pt. 3C	Route 0	Route 1	Route 2	Route 3
15	0:15 Open	Open	Closed	Open	Open	Open	Open	Open	Open
30	0:30 Open	Open	Closed	Open	Open	Open	Open	Open	Open
45	0:45 Open	Open	Closed	Open	Open	Open	Open	Open	Open
60	1:00 Open	Open	Closed	Open	Open	Open	Open	Open	Open
75	1:15 Open	Open	Closed	Open	Open	Open	Open	Open	Open
90	1:30 Open	Open	Closed	Open	Open	Open	Open	Open	Open
105	1:45 Open	Open	Closed	Open	Open	Open	Open	Open	Open
120	2:00 Open	Open	Closed	Open	Open	Open	Open	Open	Open
135	2:15 Open	Open	Closed	Open	Open	Open	Open	Open	Open
150	2:30 Open	Open	Closed	Open	Open	Open	Open	Open	Open
165	2:45 Open	Open	Closed	Open	Open	Open	Open	Open	Open
180	3:00 Open	Open	Closed	Open	Open	Open	Open	Open	Open
195	3:15 Open	Open	Closed	Open	Open	Open	Open	Open	Open
210	3:30 Open	Open	Closed	Open	Open	Open	Open	Open	Open
225	3:45 Open	Open	Closed	Open	Open	Open	Open	Open	Open
240	4:00 Open	Open	Closed	Open	Open	Open	Open	Open	Open
255	4:15 Open	Open	Closed	Open	Open	Open	Open	Open	Open
270	4:30 Open	Open	Closed	Open	Open	Open	Open	Open	Open
285	4:45 Open	Open	Closed	Open	Open	Open	Open	Open	Open
300	5:00 Open	Open	Closed	Open	Open	Open	Open	Open	Open
315	5:15 Open	Open	Closed	Open	Open	Open	Open	Open	Open
330	5:30 Open	Open	Closed	Open	Open	Open	Open	Open	Open
345	5:45 Open	Open	Closed	Open	Open	Open	Open	Open	Open
360	6:00 Open	Open	Closed	Open	Open	Open	Open	Open	Open
375	6:15 Open	Open	Closed	Open	Open	Open	Open	Open	Open
390	6:30 Open	Open	Closed	Open	Open	Open	Open	Open	Open
405	6:45 Open	Open	Closed	Open	Open	Open	Open	Open	Open
420	7:00 Open	Open	Closed	Open	Open	Open	Open	Open	Open

8. NNEat70Line - Partial Creek Avoidance Alt.

Results: 1.75 hours to evacuate 963 DU (2,253 vehicles) from the priority evacuation area of the Project
4.5 hours to evacuate entire Project 3,150 DU (7,371 vehicles)

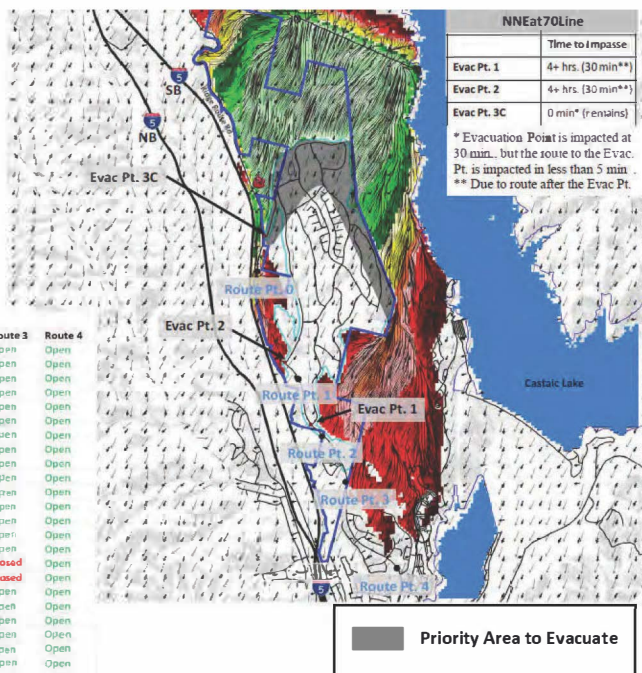
Vehicles from Priority Evacuation Area of the Project
Remaining Vehicles from Project Area

Description	Evac Pt. 3	Evac Pt. 2	Ridge Route Pt. 1	Evac Pt. 1	Ridge Route Pt. 2	Project Affordable Housing	Ridge Route Pt. 3	Northlake Hills	Ridge Route Pt. 4
Number of vehicles to evacuate	0	1,485	1,485	769	2,253	0	2,253	0	2,253
Number of lanes at evacuation point	1	2	--	1	--	2	--	1	--
Vehicles per hour (vph) - no congestion	1,600	3,200	--	1,600	--	1,600	--	1,600	--
Vehicles per hour (vph) - with congestion	500	1,000	--	500	--	1,000	--	500	--
Vehicles per 15 min	125	250	--	125	--	250	--	125	--
Time limit	Closed	No limit	No limit	No limit	Ridge route closes at 240 Min and reopens at 270 Min	Ridge route closes at 240 Min and reopens at 270 Min	Ridge route closes at 240 Min and reopens at 270 Min	--	No limit

Vehicle Evacuation Shown in 15 Minute Intervals									
Time	A	B	A+B=C	D	C+D=E	F	E+F=G	H	G+H=I
	No. of Vehicles Passing Through Evac Pt. 3	No. of Vehicles Passing Through Evac Pt. 2	Total No. of Vehicles from Evac Pts. 3 and 2 Passing Through Ridge Rt Pt. 1	No. of Vehicles Passing Through Evac Pt. 1	Total No. of Vehicles from Evac Pts. 3, 2 & 1 Passing Through Ridge Rt. Pt. 2	No. of Vehicles from Project AH Passing Through Ridge Rt. south of B St	Total No. of Vehicles from Evac Pts. 3, 2, 1, & AH Passing Through Ridge Rt Pt. 3	No. of Vehicles from NH Passing Through Ridge Rt	Total No. of Vehicles from Evac Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt Pt. 4
15 Min	0	250	250	125	375	250	625	0	625
30 Min	0	500	500	250	750	500	1,250	0	1,250
45 Min	0	750	750	375	1,125	750	1,875	0	1,875
60 Min	0	1,000	1,000	500	1,500	751	2,251	0	2,251
75 Min	0	1,250	1,250	625	1,875	751	2,626	0	2,626
90 Min	0	1,500	1,500	750	2,250	751	3,001	0	3,001
105 Min	0	1,750	1,750	875	2,625	751	3,376	0	3,376
120 Min	0	2,000	2,000	1,000	3,000	751	3,751	0	3,751
135 Min	0	2,250	2,250	1,125	3,375	751	4,126	0	4,126
150 Min	0	2,500	2,500	1,250	3,750	751	4,501	0	4,501
165 Min	0	2,750	2,750	1,375	4,125	751	4,876	0	4,876
180 Min	0	3,000	3,000	1,500	4,500	751	5,251	0	5,251
195 Min	0	3,250	3,250	1,625	4,875	751	5,626	0	5,626
210 Min	0	3,500	3,500	1,750	5,250	751	6,001	0	6,001
225 Min	0	3,750	3,750	1,875	5,625	751	6,376	0	6,376
240 Min	0	4,000	4,000	2,000	6,000	751	6,751	0	6,751
255 Min	0	4,250	4,250	2,125	6,375	751	7,126	0	7,126
270 Min	0	4,500	4,500	2,250	6,750	751	7,501	0	7,501
285 Min	0	4,500	4,500	2,250	6,750	751	7,501	6	7,507

Wind Driven Fire at North Interface (Wind NNE direction @ 70 mph) with Partial Creek Avoidance Development

Narrative: Fire is modeled from an existing line of fire to the NE of the Project Site. Wind is from the NNE at 70 mph. Fire impact the Project Site in less than 5 minutes if the fire has progressed to this point. Fire continues to burn south along the eastern edge of the Project Site. Fire may spot across the freeway but will not impact the evacuation points or route points if it did so if it was not modeled. Fire will continue to burn south on the west side of the Project Site down to Evac Pt. 2. Fire will eventually impact Ridge Route to the south and close all evacuations for a period of 30-60 min. This will occur approximately four hours into the simulated event.



NNE at 70 mph Partial Creek Avoidance		Evacuation to the South									
Time	Evac Pt. 1	Evac Pt. 2	Evac Pt. 3A	Evac Pt. 3B	Evac Pt. 3C	Route 0	Route 1	Route 2	Route 3	Route 4	
15	0:15 Open	Open	n/a	n/a	Closed	Open	Open	Open	Open	Open	
30	0:30 Open	Open	n/a	n/a	Closed	Open	Open	Open	Open	Open	
45	0:45 Open	Open	n/a	n/a	Closed	Open	Open	Open	Open	Open	
60	1:00 Open	Open	n/a	n/a	Closed	Open	Open	Open	Open	Open	
75	1:15 Open	Open	n/a	n/a	Closed	Open	Open	Open	Open	Open	
90	1:30 Open	Open	n/a	n/a	Closed	Open	Open	Open	Open	Open	
105	1:45 Open	Open	n/a	n/a	Closed	Open	Open	Open	Open	Open	
120	2:00 Open	Open	n/a	n/a	Closed	Open	Open	Open	Open	Open	
135	2:15 Open	Open	n/a	n/a	Closed	Open	Open	Open	Open	Open	
150	2:30 Open	Open	n/a	n/a	Closed	Open	Open	Open	Open	Open	
165	2:45 Open	Open	n/a	n/a	Closed	Open	Open	Open	Open	Open	
180	3:00 Open	Open	n/a	n/a	Closed	Open	Open	Open	Open	Open	
195	3:15 Open	Open	n/a	n/a	Closed	Closed	Open	Open	Open	Open	
210	3:30 Open	Open	n/a	n/a	Closed	Closed	Open	Open	Open	Open	
225	3:45 Open	Open	n/a	n/a	Closed	Closed	Open	Open	Open	Open	
240	4:00 Open	Open	n/a	n/a	Closed	Open	Open	Closed	Closed	Open	
255	4:15 Open	Open	n/a	n/a	Closed	Open	Open	Closed	Closed	Open	
270	4:30 Open	Open	n/a	n/a	Closed	Open	Open	Open	Open	Open	
285	4:45 Open	Open	n/a	n/a	Closed	Open	Open	Open	Open	Open	
300	5:00 Open	Open	n/a	n/a	Closed	Open	Open	Open	Open	Open	
315	5:15 Open	Open	n/a	n/a	Closed	Open	Open	Open	Open	Open	
330	5:30 Open	Open	n/a	n/a	Closed	Open	Open	Open	Open	Open	
345	5:45 Open	Open	n/a	n/a	Closed	Open	Open	Open	Open	Open	
360	6:00 Open	Open	n/a	n/a	Closed	Open	Open	Open	Open	Open	
375	6:15 Open	Open	n/a	n/a	Closed	Open	Open	Open	Open	Open	
390	6:30 Open	Open	n/a	n/a	Closed	Open	Open	Open	Open	Open	
405	6:45 Open	Open	n/a	n/a	Closed	Open	Open	Open	Open	Open	
420	7:00 Open	Open	n/a	n/a	Closed	Open	Open	Open	Open	Open	

9. Nat70Line- Previously Approved Plan

Results: 3.5 hours to evacuate 1,687 DU (3,948 vehicles) from the priority evacuation area of the Project
5.75 hours to evacuate entire Project 3,150 DU (7,371 vehicles)

Vehicles from Priority Evacuation Area of the Project
Remaining Vehicles from Project Area

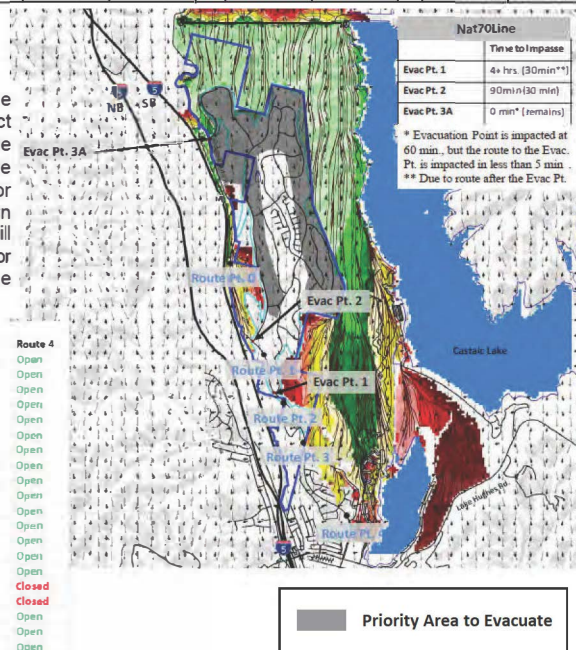
Description	Evac Pt. 3	Evac Pt. 2	Ridge Route Pt. 1	Evac Pt. 1	Ridge Route Pt. 2	Project Affordable Housing	Ridge Route Pt. 3	Northlake Hills	Ridge Route Pt. 4
Number of vehicles to evacuate	0	2,447	2,447	1,500	3,948	0	3,948	0	3,948
Number of lanes at evacuation point	1	2	—	1	—	2	—	1	—
Vehicles per hour (vph) - no congestion	1,600	3,200	—	1,600	—	1,600	—	1,600	—
Vehicles per hour (vph) - with congestion	500	1,000	—	500	—	1,000	—	500	—
Vehicles per 15 min	125	250	—	125	—	250	—	125	—
Time limit	Closed	Closed at 90 Min, reopens at 120 Min	No limit	No limit	Ridge Route closes at 240 Min, reopens at 270 Min	Ridge Route closes at 120 Min, reopens at 150 Min	Ridge Route closes at 120 Min, reopens at 150 Min	—	Ridge Route closes at 240 Min, reopens at 270 Min

Vehicle Evacuation Shown in 15 Minute Intervals									
	A	B	A+B=C	D	C+D=E	F	E+F=G	H	G+H=I
	No. of Vehicles Passing Through Evac Pt. 3	No. of Vehicles Passing Through Evac Pt. 2	Total No. of Vehicles from Evac Pts. 3, 2, 1 & Ridge Rt Pt. 1	No. of Vehicles Passing Through Evac Pt. 1	Total No. of Vehicles from Evac Pts. 3, 2, 1 & Ridge Rt Pt. 2	No. of Vehicles from Project AH Passing Through Ridge Rt south of B St	Total No. of Vehicles from Evac Pts. 3, 2, 1 & AH Passing Through Ridge Rt Pt. 3	No. of Vehicles from NH Passing Through Ridge Rt	Total No. of Vehicles from Evac Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt Pt. 4
15 Min	0	250	250	125	375	250	625	0	625
30 Min	0	500	500	250	750	500	1,250	0	1,250
45 Min	0	750	750	375	1,125	750	1,875	0	1,875
60 Min	0	1,000	1,000	500	1,500	751	2,251	0	2,251
75 Min	0	1,250	1,250	625	1,875	751	2,626	0	2,626
90 Min	0	1,250	1,250	750	2,000	751	2,751	0	2,751
105 Min	0	1,250	1,250	875	2,125	751	2,876	0	2,876
120 Min	0	1,250	1,250	875	2,125	751	2,876	0	2,876
135 Min	0	1,250	1,250	875	2,125	751	2,876	0	2,876
150 Min	0	1,500	1,500	1,000	2,500	751	3,251	0	3,251
165 Min	0	1,750	1,750	1,125	2,875	751	3,626	0	3,626
180 Min	0	2,000	2,000	1,250	3,250	751	4,001	0	4,001
195 Min	0	2,250	2,250	1,375	3,625	751	4,376	0	4,376
210 Min	0	2,500	2,500	1,500	4,000	751	4,751	0	4,751
225 Min	0	2,750	2,750	1,625	4,375	751	5,126	0	5,126
240 Min	0	2,750	2,750	1,625	4,375	751	5,126	0	5,126
255 Min	0	2,750	2,750	1,625	4,375	751	5,126	0	5,126
270 Min	0	3,000	3,000	1,750	4,750	751	5,501	0	5,501
285 Min	0	3,250	3,250	1,875	5,125	751	5,876	0	5,876
300 Min	0	3,500	3,500	2,000	5,500	751	6,251	0	6,251
315 Min	0	3,750	3,750	2,125	5,875	751	6,626	0	6,626
330 Min	0	4,000	4,000	2,250	6,250	751	7,001	0	7,001
345 Min	0	4,250	4,250	2,375	6,625	751	7,376	0	7,376
360 Min	0	4,250	4,250	2,375	6,625	751	7,376	0	7,376

Wind Driven Fire at North Interface (Wind N direction @ 70 mph) with Previously Approved Development

Narrative: Fire is modeled from an existing line of fire to the North of the Project Site. Wind is from the North at 70 mph. Fire impact the Project Site in less than 5 minutes if the fire has progressed to this point. Fire continues to burn south along the eastern edge of the Project Site. Fire may spot across the freeway but will not impact the evacuation points or route points if it did so if was not modeled. Fire will continue to burn south on the west side of the Project Site down to Evac Pt. 2. Fire will eventually impact Ridge Route to the south and close all evacuations for a period of 30-60 min. This will occur approximately two hours into the simulated event and again at approximately four hours.

Evacuation to the South									
	Evac Pt. 1	Evac Pt. 2	Evac Pt. 3A	Evac Pt. 3B	Evac Pt. 3C	Route 0	Route 1	Route 2	Route 3
15	0:15 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
30	0:30 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
45	0:45 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
60	1:00 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
75	1:15 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
90	1:30 Open	Closed	Closed	n/a	n/a	Closed	Open	Open	Open
105	1:45 Open	Closed	Closed	n/a	n/a	Closed	Open	Open	Open
120	2:00 Open	Open	Closed	n/a	n/a	Open	Open	Open	Closed
135	2:15 Open	Open	Closed	n/a	n/a	Open	Open	Open	Closed
150	2:30 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
165	2:45 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
180	3:00 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
195	3:15 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
210	3:30 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
225	3:45 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
240	4:00 Open	Open	Closed	n/a	n/a	Open	Open	Closed	Closed
255	4:15 Open	Open	Closed	n/a	n/a	Open	Open	Closed	Closed
270	4:30 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
285	4:45 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
300	5:00 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
315	5:15 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
330	5:30 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
345	5:45 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
360	6:00 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
375	6:15 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
390	6:30 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
405	6:45 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open
420	7:00 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open



9. Nat70Line - Creek Avoidance Alt.

Results: 2.5 hrs to evacuate 940 DU (2,198 vehicles) from the priority evacuation area of the Project
3.5 hrs to evacuate entire Project 1,815 DU (4,247 vehicles)

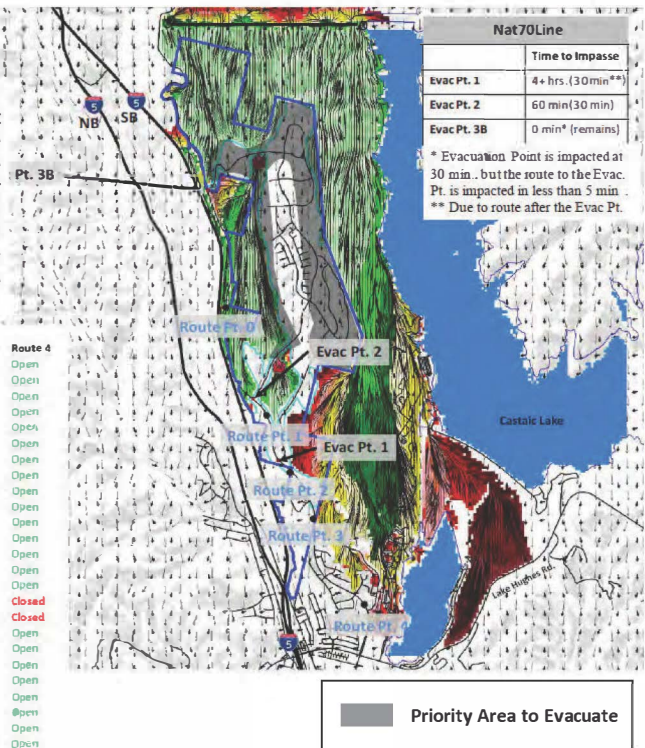
Vehicles from Priority Evacuation Area of the Project
Remaining Vehicles from Project Area

Description	Evac Pt. 3	Evac Pt. 2	Ridge Route Pt. 1	Evac Pt. 1	Ridge Route Pt. 2	Project Affordable Housing	Ridge Route Pt. 3	Northlake Hills	Ridge Route Pt. 4
Number of vehicles to evacuate	0	1,265	1,265	933	2,198	0	2,198	0	2,198
Number of lanes at evacuation point	1	2	--	1	--	2	--	1	--
Vehicles per hour (vph) - no congestion	1,600	3,200	--	1,600	--	1,600	--	1,600	--
Vehicles per hour (vph) - with congestion	500	1,000	--	500	--	1,000	--	500	--
Vehicles per 15 min	125	250	--	125	--	250	--	125	--
Time limit	Closed	Closes at 60 Min, reopens at 90 Min	Closes at 60 Min, reopens at 90 Min	No limit	Ridge Route closes at 240 Min, reopens at 270 Min	Ridge Route closes at 120 Min, reopens at 150 Min	Ridge Route closes at 120 Min, reopens at 150 Min	--	Ridge Route closes at 240 Min, reopens at 270 Min
Vehicle Evacuation Shown in 15 Minute Intervals									
Time	A	B	A+B=C	D	C+D=E	F	E+F=G	H	G+H=I
	No. of Vehicles Passing Through Evac Pt. 3	No. of Vehicles Passing Through Evac Pt. 2	Total No. of Vehicles from Evac Pt. 3 and Evac Pt. 2 Passing Through Ridge Rt Pt. 1	No. of Vehicles Passing Through Evac Pt. 1	Total No. of Vehicles from Evac Pts. 3, 2 & 1 Passing Through Ridge Rt. Pt. 2	No. of Vehicles from Project AH Passing through Ridge Rt south of B St	Total No. of Vehicles from Evac Pts. 3, 2, 1, & AH Passing Through Ridge Rt Pt. 3	No. of Vehicles from NH Passing Through Ridge Rt	Total No. of Vehicles from Evac Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt Pt. 4
15 Min	0	250	250	125	375	250	625	0	625
30 Min	0	500	500	250	750	386	1,136	0	1,136
45 Min	0	750	750	375	1,125	386	1,511	0	1,511
60 Min	0	750	750	500	1,250	386	1,636	0	1,636
75 Min	0	750	750	625	1,375	386	1,761	0	1,761
90 Min	0	1,000	1,000	750	1,750	386	2,136	0	2,136
105 Min	0	1,250	1,250	875	2,125	386	2,511	0	2,511
120 Min	0	1,250	1,250	875	2,125	386	2,511	0	2,511
135 Min	0	1,250	1,250	875	2,125	386	2,511	0	2,511
150 Min	0	1,500	1,500	1,000	2,500	386	2,886	0	2,886
165 Min	0	1,750	1,750	1,125	2,875	386	3,261	0	3,261
180 Min	0	2,000	2,000	1,250	3,250	386	3,636	0	3,636
195 Min	0	2,250	2,250	1,375	3,625	386	4,011	0	4,011
210 Min	0	2,500	2,500	1,500	4,000	386	4,386	0	4,386
225 Min	0	2,500	2,500	1,500	4,000	386	4,386	0	4,386

Wind Driven Fire at North Interface (Wind N direction @ 70 mph) with Creek Avoidance Development

Narrative: Fire is modeled from an existing line of fire to the North of the Project Site. Wind is from the North at 70 mph. Fire impact the Project Site in less than 5 minutes if the fire has progressed to this point. Fire continues to burn south along the eastern edge of the Project Site. Fire may spot across the freeway but will not impact the evacuation points or route points if it did so if it was not modeled. Fire will continue to burn south on the west side of the Project Site down to Evac Pt. 2. Fire will eventually impact Ridge Route to the south and close all evacuations for a period of 30-60 min. This will occur approximately two hours into the simulated event and again at approximately four hours.

N at 70 mph Creek Avoidance		Evacuation to the South									
	Evac Pt. 1	Evac Pt. 2	Evac Pt. 3A	Evac Pt. 3B	Evac Pt. 3C	Route 0	Route 1	Route 2	Route 3	Route 4	
15	0:15 Open	Open	1/1A	Closed	1/1A	Open	Open	Open	Open	Open	
30	0:30 Open	Open	1/1A	Closed	1/1A	Open	Open	Open	Open	Open	
45	0:45 Open	Open	1/1A	Closed	1/1A	Open	Open	Open	Open	Open	
60	1:00 Open	Closed	1/1A	Closed	1/1A	Closed	Closed	Open	Open	Open	
75	1:15 Open	Closed	1/1A	Closed	1/1A	Closed	Closed	Open	Open	Open	
90	1:30 Open	Open	1/1A	Closed	1/1A	Open	Open	Open	Open	Open	
105	1:45 Open	Open	1/1A	Closed	1/1A	Open	Open	Open	Open	Open	
120	2:00 Open	Open	1/1A	Closed	1/1A	Open	Open	Open	Closed	Open	
135	2:15 Open	Open	1/1A	Closed	1/1A	Open	Open	Open	Closed	Open	
150	2:30 Open	Open	1/1A	Closed	1/1A	Open	Open	Open	Open	Open	
165	2:45 Open	Open	1/1A	Closed	1/1A	Open	Open	Open	Open	Open	
180	3:00 Open	Open	1/1A	Closed	1/1A	Open	Open	Open	Open	Open	
195	3:15 Open	Open	1/1A	Closed	1/1A	Open	Open	Open	Open	Open	
210	3:30 Open	Open	1/1A	Closed	1/1A	Open	Open	Open	Open	Open	
225	3:45 Open	Open	1/1A	Closed	1/1A	Open	Open	Open	Open	Open	
240	4:00 Open	Open	1/1A	Closed	1/1A	Open	Open	Closed	Open	Closed	
255	4:15 Open	Open	1/1A	Closed	1/1A	Open	Open	Closed	Open	Closed	
270	4:30 Open	Open	1/1A	Closed	1/1A	Open	Open	Open	Open	Open	
285	4:45 Open	Open	1/1A	Closed	1/1A	Open	Open	Open	Open	Open	
300	5:00 Open	Open	1/1A	Closed	1/1A	Open	Open	Open	Open	Open	
315	5:15 Open	Open	1/1A	Closed	1/1A	Open	Open	Open	Open	Open	
330	5:30 Open	Open	1/1A	Closed	1/1A	Open	Open	Open	Open	Open	
345	5:45 Open	Open	1/1A	Closed	1/1A	Open	Open	Open	Open	Open	
360	6:00 Open	Open	1/1A	Closed	1/1A	Open	Open	Open	Open	Open	
375	6:15 Open	Open	1/1A	Closed	1/1A	Open	Open	Open	Open	Open	
390	6:30 Open	Open	1/1A	Closed	1/1A	Open	Open	Open	Open	Open	
405	6:45 Open	Open	1/1A	Closed	1/1A	Open	Open	Open	Open	Open	
420	7:00 Open	Open	1/1A	Closed	1/1A	Open	Open	Open	Open	Open	



9. Nat70Line - Partial Creek Avoidance Alt.

Results 3.5 hours to evacuate 1,702 (3,983 vehicles) from the priority evacuation area of the Project
5.25 hours to evacuate entire Project 3,150 (7,371 vehicles)

Vehicles from Priority Evacuation Area of the Project
Remaining Vehicles from Project Area

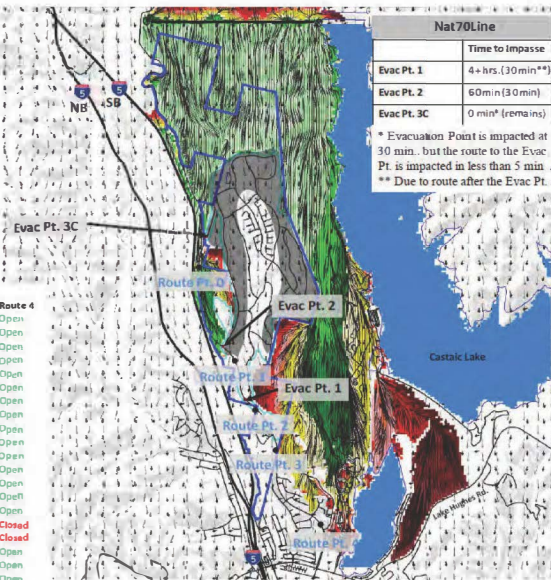
Description	Evac Pt. 3	Evac Pt. 2	Ridge Route Pt. 1	Evac Pt. 1	Ridge Route Pt. 2	Project Affordable Housing	Ridge Route Pt. 3	Northlake Hills	Ridge Route Pt. 4
Number of vehicles to evacuate	0	2,489	2,489	1,493	3,983	0	3,983	0	3,983
Number of lanes at evacuation point	1	2	--	1	--	2	--	1	--
Vehicles per hour (vph) - no congestion	1,600	3,200	--	1,600	--	1,600	--	1,600	--
Vehicles per hour (vph) - with congestion	500	1,000	--	500	--	1,000	--	500	--
Vehicles per 15 min	125	250	--	125	--	250	--	125	--
Time limit	Closed	Closes at 60 Min, reopens at 90 Min	No limit	No limit	Ridge Route closes at 240 Min, reopens at 270 Min	Ridge Route closes at 120 Min, reopens at 150 Min	Ridge Route closes at 120 Min, reopens at 150 Min	--	Ridge Route closes at 240 Min, reopens at 270 Min

Vehicle Evacuation Shown in 15 Minute Intervals									
Time	A	B	A+B=C	D	C+D=E	F	E+F=G	H	G+H=I
	No. of Vehicles Passing Through Evac Pt. 3	No. of Vehicles Passing Through Evac Pt. 2	Total No. of Vehicles from Evac Pts. 3 and 2 Passing Through Ridge Rt. Pt. 1	No. of Vehicles Passing Through Evac Pt. 1	Total No. of Vehicles from Evac Pts. 3, 2 & 1 Passing Through Ridge Rt. Pt. 2	No. of Vehicles from Project AH Passing through Ridge Rt. south of B St	Total No. of Vehicles from Evac Pts. 3, 2, 1, & AH Passing Through Ridge Rt. Pt. 3	No. of Vehicles from NH Passing Through Ridge Rt	Total No. of Vehicles from Evac Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt. Pt. 4
15 Min	0	250	250	125	375	250	625	0	625
30 Min	0	500	500	250	750	500	1,250	0	1,250
45 Min	0	750	750	375	1,125	750	1,875	0	1,875
60 Min	0	750	750	500	1,250	751	2,001	0	2,001
75 Min	0	750	750	625	1,375	751	2,126	0	2,126
90 Min	0	1,000	1,000	750	1,750	751	2,501	0	2,501
105 Min	0	1,250	1,250	875	2,125	751	2,876	0	2,876
120 Min	0	1,250	1,250	75	2,125	751	2,76	0	2,76
135 Min	0	1,250	1,250	75	2,125	751	2,76	0	2,76
150 Min	0	1,500	1,500	1,000	2,500	751	3,251	0	3,251
165 Min	0	1,750	1,750	1,125	2,875	751	3,626	0	3,626
180 Min	0	2,000	2,000	1,250	3,250	751	4,001	0	4,001
195 Min	0	2,250	2,250	1,375	3,625	751	4,376	0	4,376
210 Min	0	2,500	2,500	1,500	4,000	751	4,751	0	4,751
225 Min	0	2,750	2,750	1,625	4,375	751	5,126	0	5,126
240 Min	0	3,000	3,000	1,750	4,750	751	5,501	0	5,501
255 Min	0	3,250	3,250	1,875	5,125	751	5,876	0	5,876
270 Min	0	3,500	3,500	2,000	5,500	751	6,251	0	6,251
285 Min	0	3,750	3,750	2,125	5,875	751	6,626	0	6,626
300 Min	0	4,000	4,000	2,250	6,250	751	7,001	0	7,001
315 Min	0	4,250	4,250	2,375	6,625	751	7,376	0	7,376
330 Min	0	4,250	4,250	2,375	6,625	751	7,376	0	7,376

Wind Driven Fire at North Interface (Wind N direction @ 70 mph) with Partial Creek Avoidance Development

Narrative: Fire is modeled from an existing line of fire to the North of the Project Site. Wind is from the North at 70 mph. Fire impact the Project Site in less than 5 minutes if the fire has progressed to this point. Fire continues to burn south along the eastern edge of the Project Site. Fire may spot across the freeway but will not impact the evacuation points or route points if it did so it was not modeled. Fire will continue to burn south on the west side of the Project Site down to Evac Pt. 2. Fire will eventually impact Ridge Route to the south and close all evacuations for a period of 30-60 min. This will occur approximately two hours into the simulated event and again at approximately four hours.

Evacuation to the South									
N at 70 mph	Evac Pt. 1	Evac Pt. 2	Evac Pt. 3A	Evac Pt. 3B	Evac Pt. 3C	Route 0	Route 1	Route 2	Route 3
15	0:15 Open	Open	Open	Closed	Open	Open	Open	Open	Open
30	0:30 Open	Open	Open	Closed	Open	Open	Open	Open	Open
45	0:45 Open	Open	Open	Closed	Open	Open	Open	Open	Open
60	1:00 Open	Closed	Open	Closed	Open	Open	Open	Open	Open
75	1:15 Open	Closed	Open	Closed	Open	Open	Open	Open	Open
90	1:30 Open	Open	Open	Closed	Open	Open	Open	Open	Open
105	1:45 Open	Open	Open	Closed	Open	Open	Open	Open	Open
120	2:00 Open	Open	Open	Closed	Open	Open	Open	Closed	Open
135	2:15 Open	Open	Open	Closed	Open	Open	Open	Closed	Open
150	2:30 Open	Open	Open	Closed	Open	Open	Open	Open	Open
165	2:45 Open	Open	Open	Closed	Open	Open	Open	Open	Open
180	3:00 Open	Open	Open	Closed	Open	Open	Open	Open	Open
195	3:15 Open	Open	Open	Closed	Open	Open	Open	Open	Open
210	3:30 Open	Open	Open	Closed	Open	Open	Open	Open	Open
225	3:45 Open	Open	Open	Closed	Open	Open	Open	Open	Open
240	4:00 Open	Open	Open	Closed	Open	Open	Closed	Open	Closed
255	4:15 Open	Open	Open	Closed	Open	Open	Closed	Open	Closed
270	4:30 Open	Open	Open	Closed	Open	Open	Open	Open	Open
285	4:45 Open	Open	Open	Closed	Open	Open	Open	Open	Open
300	5:00 Open	Open	Open	Closed	Open	Open	Open	Open	Open
315	5:15 Open	Open	Open	Closed	Open	Open	Open	Open	Open
330	5:30 Open	Open	Open	Closed	Open	Open	Open	Open	Open
345	5:45 Open	Open	Open	Closed	Open	Open	Open	Open	Open
360	6:00 Open	Open	Open	Closed	Open	Open	Open	Open	Open
375	6:15 Open	Open	Open	Closed	Open	Open	Open	Open	Open
390	6:30 Open	Open	Open	Closed	Open	Open	Open	Open	Open
405	6:45 Open	Open	Open	Closed	Open	Open	Open	Open	Open
420	7:00 Open	Open	Open	Closed	Open	Open	Open	Open	Open



Priority Area to Evacuate

10. Templin Trigger- Approved Plan

Results: 4 hours to evacuate entire Project 3,150 DU (7,371 vehicles)

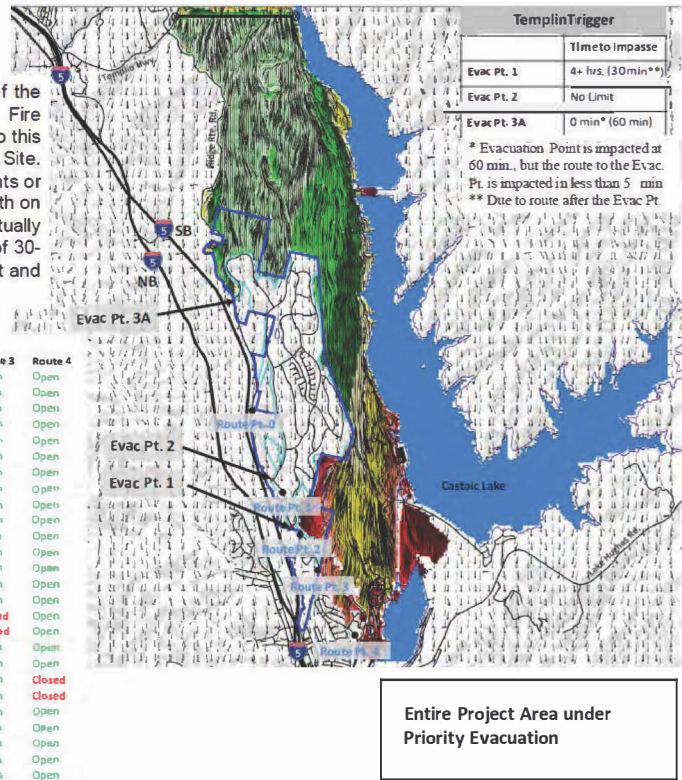
Vehicles from Priority Evacuation Area of the Project
Remaining Vehicles from Project Area

Description	Evac Pt. 3	Evac Pt. 2	Ridge Route Pt. 1	Evac Pt. 1	Ridge Route Pt. 2	Project Affordable Housing	Ridge Route Pt. 3	Northlake Hills	Ridge Route Pt. 4
Number of vehicles to evacuate	1,258	3,575	4,832	1,787	6,620	751	7,371	0	7,371
Number of lanes at evacuation point	1	2	--	1	--	2	--	1	--
Vehicles per hour (vph) - no congestion	1,600	3,200	--	1,600	--	1,600	--	1,600	--
Vehicles per hour (vph) - with congestion	500	1,000	--	500	--	1,000	--	500	--
Vehicles per 15 min	125	250	--	125	--	250	--	125	--
Time limit	Closed for first 60 Min.	No limit	No limit	No limit	Ridge Route closes at 300 Min, reopens at 330 Min	Ridge Route closes at 225 Min, reopens at 255 Min	Ridge Route closes at 240 Min, reopens at 270 Min	--	Ridge Route closes at 300 Min, reopens at 330 Min

Vehicle Evacuation Shown in 15 Minute Intervals									
	A	B	A+B=C	D	C+D=E	F	E+F=G	H	G+H=I
Time	No. of Vehicles Passing Through Evac Pt. 3	No. of Vehicles Passing Through Evac Pt. 2	Total No. of Vehicles from Evac Pt. 3 and Evac Pt. 2 Passing Through Ridge Rt Pt. 1	No. of Vehicles Passing Through Evac Pt. 1	Total No. of Vehicles from Evac Pts. 3, 2 & 1 Passing Through Ridge Rt. Pt. 2	No. of Vehicles from Project AH Passing through Ridge Rt south of B St	Total No. of Vehicles from Evac Pts. 3, 2, 1, & AH Passing Through Ridge Rt Pt. 3	No. of Vehicles from NH Passing Through Ridge Rt	Total No. of Vehicles from Evac Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt Pt. 4
15 Min	0	250	250	125	375	250	625	0	625
30 Min	0	500	500	250	750	500	1,250	0	1,250
45 Min	0	750	750	375	1,125	750	1,875	0	1,875
60 Min	0	1,000	1,000	500	1,500	751	2,251	0	2,251
75 Min	125	1,250	1,375	625	2,000	751	2,751	0	2,751
90 Min	250	1,500	1,750	750	2,500	751	3,251	0	3,251
105 Min	375	1,750	2,125	875	3,000	751	3,751	0	3,751
120 Min	500	2,000	2,500	1,000	3,500	751	4,251	0	4,251
135 Min	625	2,250	2,875	1,125	4,000	751	4,751	0	4,751
150 Min	750	2,500	3,250	1,250	4,500	751	5,251	0	5,251
165 Min	875	2,750	3,625	1,375	5,000	751	5,751	0	5,751
180 Min	1,000	3,000	4,000	1,500	5,500	751	6,251	0	6,251
195 Min	1,125	3,250	4,375	1,625	6,000	751	6,751	0	6,751
210 Min	1,250	3,500	4,750	1,750	6,500	751	7,251	0	7,251
225 Min	1,375	3,750	5,125	1,875	7,000	751	7,751	0	7,751
240 Min	1,375	3,750	5,125	1,875	7,000	751	7,751	0	7,751

Templin Highway and Ridge Route Road Trigger Point Previously Approved Development

Narrative: Fire is modeled from an existing line of fire to the North of the Project Site at Templin Highway. Wind is from the North at 70 mph. Fire impact the Project Site in less than 10 minutes if the fire has progressed to this point. Fire continues to burn south along the eastern edge of the Project Site. Fire may spot across the freeway but will not impact the evacuation points or route points if it did so it was not modeled. Fire will continue to burn south on the west side of the Project Site down to Evac Pt. 3A. Fire will eventually impact Ridge Route to the south and close all evacuations for a period of 30-60 min. This will occur approximately two hours into the simulated event and again at approximately four hours and again at five hours.



Templin at 70 mph Approved		Evacuation to the South									
	Evac Pt. 1	Evac Pt. 2	Evac Pt. 3A	Evac Pt. 3B	Evac Pt. 3C	Route 0	Route 1	Route 2	Route 3	Route 4	
15	0:15 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open	Open	
30	0:30 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open	Open	
45	0:45 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open	Open	
60	1:00 Open	Open	Closed	n/a	n/a	Open	Open	Open	Open	Open	
75	1:15 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	
90	1:30 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	
105	1:45 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	
120	2:00 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	
135	2:15 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	
150	2:30 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	
165	2:45 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	
180	3:00 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	
195	3:15 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	
210	3:30 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	
225	3:45 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	
240	4:00 Open	Open	Open	n/a	n/a	Open	Open	Open	Closed	Open	
255	4:15 Open	Open	Open	n/a	n/a	Open	Open	Open	Closed	Open	
270	4:30 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	
285	4:45 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	
300	5:00 Open	Open	Open	n/a	n/a	Open	Open	Closed	Open	Closed	
315	5:15 Open	Open	Open	n/a	n/a	Open	Open	Closed	Open	Closed	
330	5:30 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	
345	5:45 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	
360	6:00 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	
375	6:15 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	
390	6:30 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	
405	6:45 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	
420	7:00 Open	Open	Open	n/a	n/a	Open	Open	Open	Open	Open	

10. Templin Trigger - Creek Avoidance Alt.

Results: 3.25 hours to evacuate entire Project 1,815 DU (4,247 vehicles)

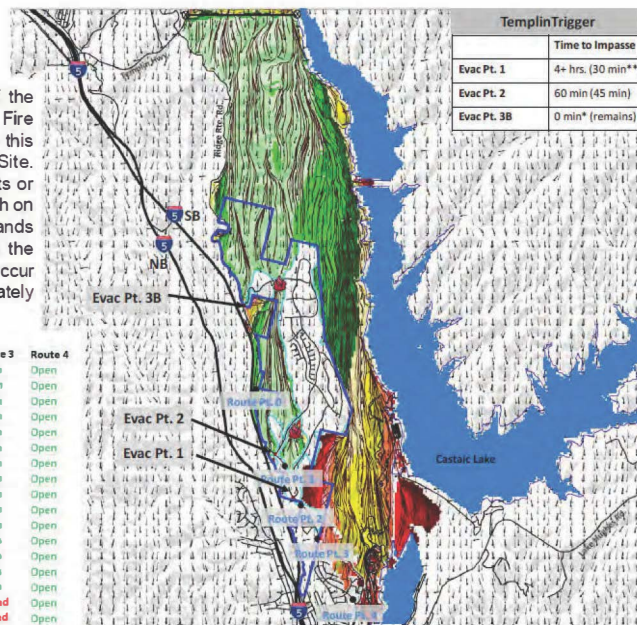
Vehicles from Priority Evacuation Area of the Project
Remaining Vehicles from Project Area

Description	Evac Pt. 3	Evac Pt. 2	Ridge Route Pt. 1	Evac Pt. 1	Ridge Route Pt. 2	Project Affordable Housing	Ridge Route Pt. 3	Northlake Hills	Ridge Route Pt. 4
Number of vehicles to evacuate	0	2,317	2,317	1,544	3,861	386	4,247	0	4,247
Number of lanes at evacuation point	1	2	--	1	--	2	--	1	--
Vehicles per hour (vph) - no congestion	1,600	3,200	--	1,600	--	1,600	--	1,600	--
Vehicles per hour (vph) - with congestion	500	1,000	--	500	--	1,000	--	500	--
Vehicles per 15 min	125	250	--	125	--	250	--	125	--
Time limit	Closed	Closes at 60 Min, reopens at 105 Min	Closes at 60 Min, reopens at 90 Min	No limit	Closes at 300 Min, reopens at 330 Min	Closes at 240 Min, reopens at 270 Min	Closes at 240 Min, reopens at 270 Min	--	Closes at 300 Min, reopens at 330 Min
Vehicle Evacuation Shown in 15 Minute Intervals									
Time	A	B	A+B=C	D	C+D=E	F	E+F=G	H	G+H=I
	No. of Vehicles Passing Through Evac Pt. 3	No. of Vehicles Passing Through Evac Pt. 2	Total No. of Vehicles from Evac. Pts. 3, 2, & 1 Passing Through Ridge Rt Pt. 1	No. of Vehicles Passing Through Evac Pt. 1	Total No. of Vehicles from Evac. Pts. 3, 2, & 1 Passing Through Ridge Rt. Pt. 2	No. of Vehicles from Project AH Passing Through Ridge Rt south of B St	Total No. of Vehicles from Evac. Pts. 3, 2, 1, & AH Passing Through Ridge Rt Pt. 3	No. of Vehicles from NH Passing Through Ridge Rt	Total No. of Vehicles from Evac. Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt Pt. 4
15 Min	0	250	250	125	375	250	625	0	625
30 Min	0	500	500	250	750	386	1,136	0	1,136
45 Min	0	750	750	375	1,125	386	1,511	0	1,511
60 Min	0	750	750	500	1,250	386	1,636	0	1,636
75 Min	0	750	750	625	1,375	386	1,761	0	1,761
90 Min	0	750	750	750	1,500	386	1,886	0	1,886
105 Min	0	1,000	1,000	875	1,875	386	2,261	0	2,261
120 Min	0	1,250	1,250	1,000	2,250	386	2,636	0	2,636
135 Min	0	1,500	1,500	1,125	2,625	386	3,011	0	3,011
150 Min	0	1,750	1,750	1,250	3,000	386	3,386	0	3,386
165 Min	0	2,000	2,000	1,375	3,375	386	3,761	0	3,761
180 Min	0	2,250	2,250	1,500	3,750	386	4,136	0	4,136
195 Min	0	2,500	2,500	1,625	4,125	386	4,511	0	4,511
210 Min	0	2,500	2,500	1,625	4,125	386	4,511	0	4,511

Templin Highway and Ridge Route Road Trigger Point Creek Avoidance Development

Narrative: Fire is modeled from an existing line of fire to the North of the Project Site at Templin Highway. Wind is from the North at 70 mph. Fire impact the Project Site in less than 10 minutes if the fire has progressed to this point. Fire continues to burn south along the eastern edge of the Project Site. Fire may spot across the freeway but will not impact the evacuation points or route points if it did so if it was not modeled. Fire will continue to burn south on the west side of the Project Site down to Evac Pt. 1 due to the fuel islands between the access roads. Fire will eventually impact Ridge Route to the south and close all evacuations for a period of 30-60 min. This will occur approximately two hours into the simulated event and again at approximately four hours and again at five hours.

Templin at 70 mph Creek Avoidance				Evacuation to the South						
	Evac Pt. 1	Evac Pt. 2	Evac Pt. 3A	Evac Pt. 3B	Evac Pt. 3C	Route 0	Route 1	Route 2	Route 3	Route 4
15	0:15 Open	Open	Open	Closed	Open	Open	Open	Open	Open	Open
30	0:30 Open	Open	Open	Closed	Open	Open	Open	Open	Open	Open
45	0:45 Open	Open	Open	Closed	Open	Open	Open	Open	Open	Open
60	1:00 Open	Closed	Open	Closed	Closed	Closed	Open	Open	Open	Open
75	1:15 Open	Closed	Open	Closed	Closed	Closed	Open	Open	Open	Open
90	1:30 Open	Closed	Open	Closed	Open	Open	Open	Open	Open	Open
105	1:45 Open	Open	Open	Closed	Open	Open	Open	Open	Open	Open
120	2:00 Open	Open	Open	Closed	Open	Open	Open	Open	Open	Open
135	2:15 Open	Open	Open	Closed	Open	Open	Open	Open	Open	Open
150	2:30 Open	Open	Open	Closed	Open	Open	Open	Open	Open	Open
165	2:45 Open	Open	Open	Closed	Open	Open	Open	Open	Open	Open
180	3:00 Open	Open	Open	Closed	Open	Open	Open	Open	Open	Open
195	3:15 Open	Open	Open	Closed	Open	Open	Open	Open	Open	Open
210	3:30 Open	Open	Open	Closed	Open	Open	Open	Open	Open	Open
225	3:45 Open	Open	Open	Closed	Open	Open	Open	Open	Open	Open
240	4:00 Open	Open	Open	Closed	Open	Open	Open	Closed	Closed	Open
255	4:15 Open	Open	Open	Closed	Open	Open	Open	Open	Open	Open
270	4:30 Open	Open	Open	Closed	Open	Open	Open	Open	Open	Open
285	4:45 Open	Open	Open	Closed	Open	Open	Open	Open	Open	Open
300	5:00 Open	Open	Open	Closed	Open	Open	Closed	Open	Closed	Closed
315	5:15 Open	Open	Open	Closed	Open	Open	Closed	Open	Closed	Closed
330	5:30 Open	Open	Open	Closed	Open	Open	Open	Open	Open	Open
345	5:45 Open	Open	Open	Closed	Open	Open	Open	Open	Open	Open
360	6:00 Open	Open	Open	Closed	Open	Open	Open	Open	Open	Open
375	6:15 Open	Open	Open	Closed	Open	Open	Open	Open	Open	Open
390	6:30 Open	Open	Open	Closed	Open	Open	Open	Open	Open	Open
405	6:45 Open	Open	Open	Closed	Open	Open	Open	Open	Open	Open
420	7:00 Open	Open	Open	Closed	Open	Open	Open	Open	Open	Open



Entire Project Area under Priority Evacuation

10. Templin Trigger - Partial Creek Avoidance Alt.

Results 5.5 hours to evacuate entire Project 3,150 (7,371 vehicles)

Vehicles from Priority Evacuation Area of the Project
Remaining Vehicles from Project Area

Description	Evac Pt. 3	Evac Pt. 2	Ridge Route Pt. 1	Evac Pt. 1	Ridge Route Pt. 2	Project Affordable Housing	Ridge Route Pt. 3	Northlake Hills	Ridge Route Pt. 4
Number of vehicles to evacuate	0	4,171	4,171	2,449	6,620	751	7,371	0	7,371
Number of lanes at evacuation point	1	2	--	1	--	2	--	1	--
Vehicles per hour (vph) - no congestion	1,600	3,200	--	1,600	--	1,600	--	1,600	--
Vehicles per hour (vph) - with congestion	500	1,000	--	500	--	1,000	--	500	--
Vehicles per 15 min	125	250	--	125	--	250	--	125	--
Time limit	Closes at 60 Min, reopens at 105 Min	No limit	No limit	Closes at 300 Min, reopens at 330 Min	Closes at 240 Min, reopens at 270 Min	Closes at 240 Min, reopens at 270 Min	Closes at 300 Min, reopens at 330 Min	--	--

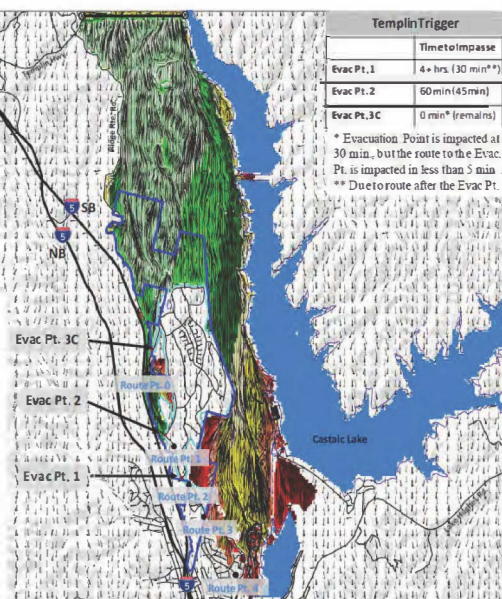
Vehicle Evacuation Shown in 15 Minute Intervals									
Time	A	B	A+B=C	D	C+D=E	F	E+F=G	H	G+H=I
	No. of Vehicles Passing Through Evac Pt. 3	No. of Vehicles Passing Through Evac Pt. 2	Total No. of Vehicles from Evac Pt. 3 and Evac Pt. 2 Passing Through Ridge Rt Pt. 1	No. of Vehicles Passing Through Evac Pt. 1	Total No. of Vehicles from Evac Pts. 3, 2 & 1 Passing Through Ridge Rt Pt. 2	No. of Vehicles from Project AH Passing through Ridge Rt south of B St	Total No. of Vehicles from Evac Pts. 3, 2, 1, & AH Passing Through Ridge Rt Pt. 3	No. of Vehicles from NH Passing Through Ridge Rt	Total No. of Vehicles from Evac Pts. 3, 2, 1, AH, NH Passing Through Ridge Rt Pt. 4
15 Min	0	250	250	125	375	250	625	0	625
30 Min	0	500	500	250	750	500	1,250	0	1,250
45 Min	0	750	750	375	1,125	750	1,875	0	1,875
60 Min	0	750	750	500	1,250	751	2,001	0	2,001
75 Min	0	750	750	625	1,375	751	2,126	0	2,126
90 Min	0	750	750	750	1,500	751	2,251	0	2,251
105 Min	0	1,000	1,000	875	1,875	751	2,626	0	2,626
120 Min	0	1,250	1,250	1,000	2,250	751	3,001	0	3,001
135 Min	0	1,500	1,500	1,125	2,625	751	3,376	0	3,376
150 Min	0	1,750	1,750	1,250	3,000	751	3,751	0	3,751
165 Min	0	2,000	2,000	1,375	3,375	751	4,126	0	4,126
180 Min	0	2,250	2,250	1,500	3,750	751	4,501	0	4,501
195 Min	0	2,500	2,500	1,625	4,125	751	4,876	0	4,876
210 Min	0	2,750	2,750	1,750	4,500	751	5,251	0	5,251
225 Min	0	3,000	3,000	1,875	4,875	751	5,626	0	5,626
240 Min	0	3,000	3,000	1,750	4,750	751	5,626	0	5,626
255 Min	0	3,000	3,000	1,750	4,750	751	5,626	0	5,626
270 Min	0	3,250	3,250	2,000	5,250	751	6,001	0	6,001
285 Min	0	3,500	3,500	2,125	5,625	751	6,376	0	6,376
300 Min	0	3,750	3,750	2,250	6,000	751	6,751	0	6,751
315 Min	0	4,000	4,000	2,375	6,375	751	7,126	0	7,126
330 Min	0	4,250	4,250	2,500	6,750	751	7,501	0	7,501
345 Min	0	4,250	4,250	2,500	6,750	751	7,501	0	7,501

Templin Highway and Ridge Route Road Trigger Point Partial Creek Avoidance Development

Narrative: Fire is modeled from an existing line of fire to the North of the Project Site at Templin Highway. Wind is from the North at 70 mph. Fire impact the Project Site in less than 10 minutes if the fire has progressed to this point. Fire continues to burn south along the eastern edge of the Project Site. Fire may spot across the freeway but will not impact the evacuation points or route points if it did so it was not modeled. Fire will continue to burn south on the west side of the Project Site down to Evac Pt. 2. Fire will eventually impact Ridge Route to the south and close all evacuations for a period of 30-60 min. This will occur approximately two hours into the simulated event and again at approximately four hours and again at five hours.

Templin at 70 mph Partial Creek Avoidance

	Evac Pt. 1	Evac Pt. 2	Evac Pt. 3A	Evac Pt. 3B	Evac Pt. 3C	Route 0	Route 1	Route 2	Route 3	Route 4
15	0:15 Open	Open	1/1	1/1	Closed	Open	Open	Open	Open	Open
30	0:30 Open	Open	1/1	1/1	Closed	Open	Open	Open	Open	Open
45	0:45 Open	Open	1/1	1/1	Closed	Open	Open	Open	Open	Open
60	1:00 Open	Closed	1/1	1/1	Closed	Open	Open	Open	Open	Open
75	1:15 Open	Closed	1/1	1/1	Closed	Open	Open	Open	Open	Open
90	1:30 Open	Closed	1/1	1/1	Closed	Open	Open	Open	Open	Open
105	1:45 Open	Open	1/1	1/1	Closed	Open	Open	Open	Open	Open
120	2:00 Open	Open	1/1	1/1	Closed	Open	Open	Open	Open	Open
135	2:15 Open	Open	1/1	1/1	Closed	Open	Open	Open	Open	Open
150	2:30 Open	Open	1/1	1/1	Closed	Open	Open	Open	Open	Open
165	2:45 Open	Open	1/1	1/1	Closed	Open	Open	Open	Open	Open
180	3:00 Open	Open	1/1	1/1	Closed	Open	Open	Open	Open	Open
195	3:15 Open	Open	1/1	1/1	Closed	Open	Open	Open	Open	Open
210	3:30 Open	Open	1/1	1/1	Closed	Open	Open	Open	Open	Open
225	3:45 Open	Open	1/1	1/1	Closed	Open	Open	Open	Open	Open
240	4:00 Open	Open	1/1	1/1	Closed	Open	Open	Open	Closed	Open
255	4:15 Open	Open	1/1	1/1	Closed	Open	Open	Open	Closed	Open
270	4:30 Open	Open	1/1	1/1	Closed	Open	Open	Open	Open	Open
285	4:45 Open	Open	1/1	1/1	Closed	Open	Open	Open	Open	Open
300	5:00 Open	Open	1/1	1/1	Closed	Open	Open	Closed	Open	Closed
315	5:15 Open	Open	1/1	1/1	Closed	Open	Open	Closed	Open	Closed
330	5:30 Open	Open	1/1	1/1	Closed	Open	Open	Open	Open	Open
345	5:45 Open	Open	1/1	1/1	Closed	Open	Open	Open	Open	Open
360	6:00 Open	Open	1/1	1/1	Closed	Open	Open	Open	Open	Open
375	6:15 Open	Open	1/1	1/1	Closed	Open	Open	Open	Open	Open
390	6:30 Open	Open	1/1	1/1	Closed	Open	Open	Open	Open	Open
405	6:45 Open	Open	1/1	1/1	Closed	Open	Open	Open	Open	Open
420	7:00 Open	Open	1/1	1/1	Closed	Open	Open	Open	Open	Open



Entire Project Area under
Priority Evacuation

Northlake Specific Plan
Evacuation Route Assumptions and Estimated Evacuation Time

Scenario	Previously Approved Plan		Creek Avoidance Alternative		Partial Creek Avoidance Alternative	
	Assumptions	Total Time to Evacuate Based on Evacuation Worksheets	Assumptions	Total Time to Evacuate Based on Evacuation Worksheets	Assumptions	Total Time to Evacuate Based on Evacuation Worksheets
1 Route fire in	vac Pt 1 No impact vac Pt 2 Closes at 60 minutes, reopens at 90 minutes vac Pt 3 No impact Although there is no impact at vac Pt 3, vehicles passing through vac Pt 3 drive southbound on Ridge Route where a segment of the roadway (Ridge Route Pt 0) closes at 60 minutes. Therefore, this analysis assumes vehicles do not use vac Pt 3 at 60 minutes. vac Pt 2 is impassable at 60 minutes and reopens at 90 minutes (from the start of the fire) during vac Pt 2 closure, all traffic uses vac Pt 1. This analysis assumes no evacuation route is available to the north.	2 hours to evacuate 1,108 (2,593 vehicles) from the priorit evacuation area of the Project	vac Pt 1 Closes at 90 minutes, reopens at 150 minutes vac Pt 2 Closes at 60 minutes, reopens at 90 minutes vac Pt 3 Closes at 60 minutes vac Pt 3 and Ridge Route Pt 0 are both impassable at 60 minutes and do not reopen vac Pt 2 is impassable at 60 minutes and reopens at 90 minutes (from the start of the fire) vac Pt 1 closes at 60 minutes and reopens at 150 minutes (from the start of the fire). This analysis assumes no evacuation route is available to the north.	1 hour to evacuate 651 (1,524 vehicles) from the priorit evacuation area of the Project	vac Pt 1 No impact vac Pt 2 Closes at 60 minutes, reopens at 90 minutes vac Pt 3C Closes at 60 minutes vac Pt 3C and Ridge Route Pt 0 are both impassable at 60 minutes and do not reopen vac Pt 2 is impassable at 60 minutes and reopens at 90 minutes (from the start of the fire) during vac Pt 2 closure, all traffic uses vac Pt 1. This analysis assumes no evacuation route is available to the north.	1.75 hours to evacuate 927 (2,169 vehicles) from the priorit evacuation area of the Project
		4.5 hours to evacuate entire Project 3,150 (7,371 vehicles)		3 hours to evacuate 1,815 entire Project (4,247 vehicles)		4.5 hours to evacuate 3,150 entire Project (7,371 vehicles)
2 at 40 pot	vac Pt 1 No impact vac Pt 2 Closes at 60 minutes, reopens at 90 minutes vac Pt 3 Closes at 60 minutes vac Pt 3 and Ridge Route Pt 0 are both impassable at 60 minutes and do not reopen vac Pt 2 is impassable at 60 minutes and reopens at 90 minutes (from the start of the fire) during vac Pt 2 closure, all traffic would use vac Pt 1. This analysis assumes no evacuation route is available to the north.	2.25 hours to evacuate 1,286 (3,009 vehicles) from the priorit evacuation area of the Project	vac Pt 1 No impact vac Pt 2 No impact vac Pt 3 Closed at 60 minutes vac Pt 3 and Ridge Route Pt 0 are both impassable at 60 minutes and do not reopen. This analysis assumes no evacuation route is available to the north.	45 minutes to evacuate 483 (1,129 vehicles) from the priorit evacuation area of the Project	vac Pt 1 No impact vac Pt 2 No impact vac Pt 3C Closes at 60 minutes vac Pt 3C and Ridge Route Pt 0 are both impassable at 60 minutes and do not reopen. This analysis assumes no evacuation route is available to the north.	2 hours to evacuate 1,370 (3,206 vehicles) from the priorit evacuation area of the Project
		4.5 hours to evacuate entire Project 3,150 (7,371 vehicles)		2.5 hours to evacuate entire Project 1,815 (4,247 vehicles)		4.25 hours to evacuate entire Project 3,150 (7,371 vehicles)
3 at 40 ine	vac Pt 1 No impact vac Pt 2 No impact vac Pt 3 Closes at 60 minutes vac Pt 3 and Ridge Route Pt 0 are both impassable at 60 minutes and do not reopen. This analysis assumes no evacuation route is available to the north.	2 hours to evacuate 1,383 (3,236 vehicles) from the priorit evacuation area of the Project	vac Pt 1 No impact vac Pt 2 No impact vac Pt 3 Closes at 60 minutes vac Pt 3 and Ridge Route Pt 0 are both impassable at 60 minutes and do not reopen. This analysis assumes no evacuation route is available to the north.	1.5 hour to evacuate 1,134 (2,653 vehicles) from the priorit evacuation area of the Project	vac Pt 1 No impact vac Pt 2 No impact vac Pt 3C Closes at 60 minutes vac Pt 3C and Ridge Route Pt 0 are north impassable at 60 minutes and do not reopen. This analysis assumes no evacuation route is available to the north.	2.25 hours to evacuate 1,485 (3,475 vehicles) from the priorit evacuation area of the Project
		4.25 hours to evacuate entire Project 3,150 (7,371 vehicles)		2.5 hours to evacuate entire Project 1,815 (4,247 vehicles)		4.25 hours to evacuate entire Project 3,150 (7,371 vehicles)
4 at 40 ine	vac Pt 1 No impact vac Pt 2 No impact vac Pt 3 No impact All evacuation points would remain open.	3.5 hours to evacuate entire Project 3,150 (7,371 vehicles)	vac Pt 1 No impact vac Pt 2 No impact vac Pt 3 No impact All evacuation points would remain open.	2 hours to evacuate entire Project 1,815 (4,247 vehicles)	vac Pt 1 No impact vac Pt 2 No impact vac Pt 3C No impact All evacuation points would remain open.	3.5 hours to evacuate entire Project 3,150 (7,371 vehicles)

Northlake Specific Plan
Evacuation Route Assumptions and Estimated Evacuation Time

Scenario	Previously Approved Plan		Creek Avoidance Alternative		Partial Creek Avoidance Alternative	
	Assumptions	Total Time to Evacuate Based on Evacuation Worksheets	Assumptions	Total Time to Evacuate Based on Evacuation Worksheets	Assumptions	Total Time to Evacuate Based on Evacuation Worksheets
5 reewa potsat40	vac Pt 1 Closes at 30 minutes, reopens at 120 minutes vac Pt 2 Closes at 30 minutes, reopens at 120 minutes vac Pt 3 Closes at 30 minutes, reopens at 120 minutes egments of Ridge Route, Route Pt 3 and Route Pt 2 (southerl end of the Pro ect) are impassable at 30 minutes, therefore evacuation would close during this period ll evacuation points reopen at 120 minutes This anal sis assumes no evacuation route is available to the north	2 5 hours to evacuate 822 (1,924 vehicles) from the priorit evacuation area of the Pro ect	vac Pt 1 Closes at 30 minutes, reopens at 120 minutes vac Pt 2 Closes at 30 minutes, reopens at 150 minutes vac Pt 3 Closes at 30 minutes ll evacuation points and Ridge Route points closes at 30 minutes vac Pt 1 reopens at 120 minutes, vac Pt 2 reopens at 150 minutes, and vac Pt 3 remains closed Ridge Route points reopen at 120 minutes This anal sis assumes no evacuation route is available to the north	3 25 hours to evacuate 910 (2,129 vehicles) from the priorit evacuation area of the Pro ect	vac Pt 1 Closes at 30 minutes, reopens at 120 minutes vac Pt 2 Closes at 30 minutes, reopens at 120 minutes vac Pt 3C Closes at 30 minutes, reopens at 120 minutes egments of Ridge Route, Route Pt 3 and Route Pt 2 (southerl end of the Pro ect) are impassable at 30 minutes, therefore evacuation would close during this period ll evacuation points reopen at 120 minutes This anal sis assumes no evacuation route is available to the north	2 75 hours to evacuate 1,132 (2,649 vehicles) from the priorit evacuation area of the Pro ect
		5 hours to evacuate entire Pro ect 3,150 (7,371 vehicles)		4 5 hours to evacuate entire Pro ect 1,815 (4,247 vehicles)		5 hours to evacuate entire Pro ect 3,150 (7,371 vehicles)
6 a e potat40	vac Pt 1 Closes at 60 minutes, reopens at 90 minutes vac Pt 2 No impact vac Pt 3 No impact vac Pt 1 closes at 60 minutes and reopens at 90 minutes (from the start of the fire) Ridge Route remains open during this closure Ridge Route Pts 1, 2 and 3 are all impassable at 240 minutes and reopens at 300 minutes (from the start of the fire) This anal sis assumes no evacuation route is available to the north	1 25 hours to evacuate 898 (2,101 vehicles) from the priorit evacuation area of the Pro ect	vac Pt 1 Closes at 60 minutes, reopens at 90 minutes vac Pt 2 Closes at 90 minutes, reopens at 120 minutes vac Pt 3 Closes at 120 minutes vac Pt 1 closes at 60 minutes and reopens at 90 minutes (from the start of the fire) vac Point 2 closes at 90 minutes and reopens at 120 minutes vac Pt 3 closes at 120 minutes and does not reopen Ridge Route Pts 1, 2 and 3 are all impassable at 240 minutes and reopens at 300 minutes (from the start of the fire) This anal sis assumes no evacuation route is available to the north	2 5 hours to evacuate 1,650 (3,861 vehicles) from the priorit evacuation area of the Pro ect	vac Pt 1 Closes at 60 minutes, reopens at 90 minutes vac Pt 2 No impact vac Pt 3C No impact vac Pt 1 closes at 60 minutes and reopens at 90 minutes (from the start of the fire) Ridge Route remains open during this closure Ridge Route Pts 1, 2 and 3 are all impassable at 240 minutes and reopens at 300 minutes (from the start of the fire) This anal sis assumes no evacuation route is available to the north	1 5 hour to evacuate 1,056 (2,471 vehicles) from the priorit evacuation area of the Pro ect
		3 5 hours to evacuate entire Pro ect 3,150 (7,371 vehicles)		2 5 hours to evacuate entire Pro ect 1,815 (4,247 vehicles)		3 5 hours to evacuate entire Pro ect 3,150 (7,371 vehicles)
7 N at70 ine	vac Pt 1 No impact vac Pt 2 No impact vac Pt 3 Closed until 300 minutes after start of fire vac Pt 3 remains closed until 300 minutes from the start of fire Vehicles to use vac Pt 2 and vac Pt 1 This anal sis assumes no evacuation route is available to the north	1 hour to evacuate 570 (1,334 vehicles) from the priorit evacuation area of the Pro ect	vac Pt 1 No impact vac Pt 2 No impact vac Pt 3 Closed until 105 minutes after start of fire vac Pt 3 would remain closed until 105 minutes from the start of the fire Vehicles to use vac Pt 2 and vac Pt 1 This anal sis assumes no evacuation route is available to the north	1 5 hours to evacuate 826 (1,932 vehicles) from the priorit evacuation area of the Pro ect	vac Pt 1 No impact vac Pt 2 No impact vac Pt 3C Remains closed vac Pt 3C would remain closed Ridge Route Pt 0 is impassable at 60 minutes and remains closed Vehicles to use vac Pt 2 and vac Pt 1 This anal sis assumes no evacuation route is available to the north	4 5 hours to evacuate entire Pro ect 3,150 (7,371 vehicles)
		4 5 hours to evacuate entire Pro ect 3,150 (7,371 vehicles)		2 5 hours to evacuate 1,815 entire Pro ect (4,247 vehicles)		
8 NN at70 ine	vac Pt 1 No impact vac Pt 2 No impact vac Pt 3 Closed until 255 minutes from start of fire vac Pt 3 would remain closed until 255 minutes from the start of the fire Vehicles would use vac Pt 2 and vac Pt 1 Ridge Route Pt 2 and Ridge Route Pt 3 are north impassable at 240 minutes and reopens at 270 minutes (from the start of the fire) uring this period all evacuations would close This anal sis assumes no evacuation route is available to the north	1 5 hour to evacuate 842 (1,970 vehicles) from the priorit evacuation area of the Pro ect	vac Pt 1 No impact vac Pt 2 No impact vac Pt 3 Closed until 255 minutes at fire started vac Pt 3 would remain closed until 255 minutes from the start of the fire Vehicles to use vac Pt 2 and vac Pt 1 Ridge Route Pt 2 and Ridge Route Pt 3 are both impassable at 240 minutes and reopens at 270 minutes (from the start of the fire) uring this period all evacuations would close This anal sis assumes no evacuation route is available to the north	1 25 hours to evacuate 767 (1,795 vehicles) from the priorit evacuation area of the Pro ect	vac Pt 1 No impact vac Pt 2 No impact vac Pt 3C Closed vac Pt 3C would remain closed Vehicles to use vac Pt 2 and vac Pt 1 Ridge Route Pt 2 and Ridge Route Pt 3 are both impassable at 240 minutes and reopens at 270 minutes (from the start of the fire) uring this period all evacuations would close This anal sis assumes no evacuation route is available to the north	1 75 hours to evacuate 963 (2,253 vehicles) from the priorit evacuation area of the Pro ect
		4 75 hours to evacuate entire Pro ect 3,150 (7,371 vehicles)		2 75 hours to evacuate entire Pro ect 1,815 (4,247 vehicles)		4 5 hours to evacuate entire Pro ect 3,150 (7,371 vehicles)

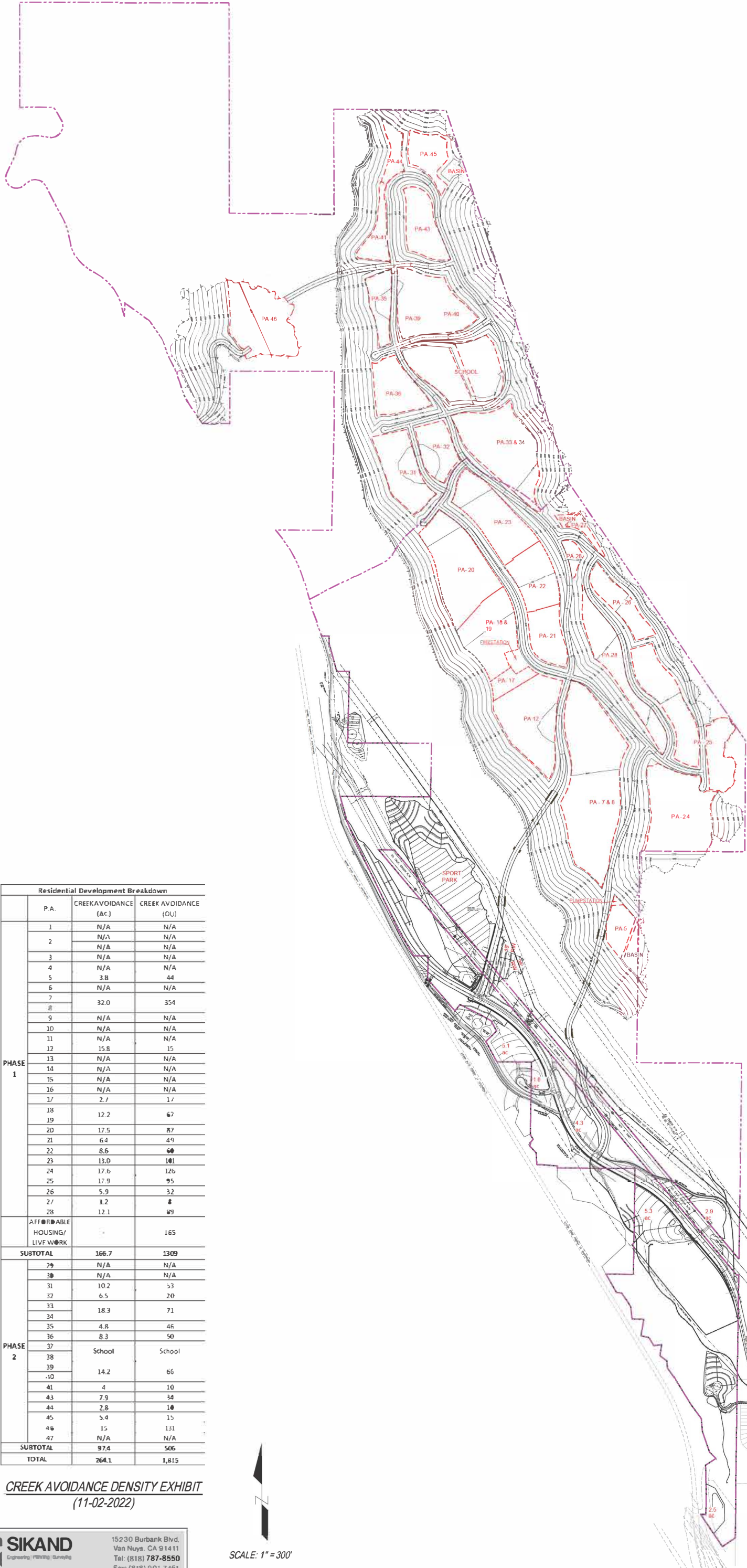
Northlake Specific Plan
Evacuation Route Assumptions and Estimated Evacuation Time

Scenario	Previously Approved Plan		Creek Avoidance Alternative		Partial Creek Avoidance Alternative	
	Assumptions	Total Time to Evacuate Based on Evacuation Worksheets	Assumptions	Total Time to Evacuate Based on Evacuation Worksheets	Assumptions	Total Time to Evacuate Based on Evacuation Worksheets
9 Nat70 ine	vac Pt 1 No impact vac Pt 2 Closes at 90 minutes and reopens at 120 minutes vac Pt 3 Closed vac Pt 3 would remain closed vac Pt 2 is impassable at 90 minutes and reopens at 120 minutes (from the start of the fire) egments of Ridge Route are impassable at 120 minutes and reopens at 150 (Ridge Route Pt 3), Ridge Route Pt 2 and Ridge Route Pt 4 are both impassable at 240 minutes and reopen at 270 minutes (from the start of the fire) hen Ridge Route Pt 2, 3 and 4 are impassable, evacuations close during that period of time This anal sis assumes no evacuation route is available to the north	3 5 hours to evacuate 1,687 (3,948 vehicles) from the priorit evacuation area of the Pro ect	vac Pt 1 No impact vac Pt 2 Closes at 60 minutes, reopens at 90 minutes vac Pt 3 Closed vac Pt 3 would remain closed vac Pt 2 is impassable at 60 minutes and reopens at 90 minutes (from the start of the fire) egments of Ridge Route are impassable at 120 minutes and reopens at 150 (Ridge Route Pt 3), Ridge Route Pt 2 and Ridge Route Pt 4 are both impassable at 240 minutes and reopen at 270 minutes (from the start of the fire) hen Ridge Route Pt 2, 3 and 4 are impassable, evacuations close during that period of time This anal sis assumes no evacuation route is available to the north	2 5 hours to evacuate 940 (2,198 vehicles) from the priorit evacuation area of the Pro ect	vac Pt 1 No impact vac Pt 2 Closed at 90 minutes, reopens at 120 minutes vac Pt 3 Closed vac Pt 3C would remain closed vac Pt 2 is impassable at 90 minutes and reopens at 120 minutes (from the start of the fire) egments of Ridge Route are impassable at 120 minutes and reopens at 150 (Ridge Route Pt 3), Ridge Route Pt 2 and Ridge Route Pt 4 are both impassable at 240 minutes and reopen at 270 minutes (from the start of the fire) hen Ridge Route Pt 2, 3 and 4 are impassable, evacuations close during that period This anal sis assumes no evacuation route is available to the north of time	3 5 hours to evacuate 1,702 (3,983 vehicles) from the priorit evacuation area of the Pro ect
		5 75 hours to evacuate entire Pro ect 3,150 (7,371 vehicles)		3 5 hours to evacuate entire Pro ect 1,815 (4,247 vehicles)		5 25 hours to evacuate entire Pro ect 3,150 (7,371 vehicles)
10 Templin Trigger	vac Pt 1 No impact vac Pt 2 No impact vac Pt 3 Closed for first 60 minutes vac Pt 3 would be closed for the first 60 minutes egments of Ridge Route are impassable at 240 minutes and reopens at 270 (Ridge Route Pt 3), Ridge Route Pt 2 and Ridge Route Pt 4 are both impassable at 300 minutes and reopen at 330 minutes (from the start of the fire) hen Ridge Route Pt 2, 3 and 4 are impassable, evacuations close during that period of time This anal sis assumes no evacuation route is available to the north	3 75 hours to evacuate entire Pro ect 3,150 (7,371 vehicles)	vac Pt 1 No impact vac Pt 2 Closes at 60 minutes, reopens at 105 minutes vac Pt 3 Closed vac Pt 3 would remain closed vac Pt 2 is impassable at 60 minutes and reopens at 105 minutes (from the start of the fire) egments of Ridge Route are impassable at 240 minutes and reopens at 270 (Ridge Route Pt 3), Ridge Route Pt 2 and Ridge Route Pt 4 are both impassable at 300 minutes and reopen at 330 minutes (from the start of the fire) hen Ridge Route Pt 2, 3 and 4 are impassable, evacuations close during that period of time This anal sis assumes no evacuation route is available to the north	3 25 hours to evacuate entire Pro ect 1,815 (4,247 vehicles)	vac Pt 1 No impact vac Pt 2 Closes at 60 minutes, reopens at 105 minutes vac Pt 3C Closed vac Pt 3C would remain closed vac Pt 2 is impassable at 60 minutes and reopens at 105 minutes (from the start of the fire) egments of Ridge Route are impassable at 240 minutes and reopens at 270 (Ridge Route Pt 3), Ridge Route Pt 2 and Ridge Route Pt 4 are both impassable at 300 minutes and reopen at 330 minutes (from the start of the fire) hen Ridge Route Pt 2, 3 and 4 are impassable, evacuations close during that period of time This anal sis assumes no evacuation route is available to the north	5 5 hours to evacuate entire Pro ect 3,150 (7,371 vehicles)

source for the amount of time that the evacuation point would remain viable during each scenario ildland ire Ris Report 2023

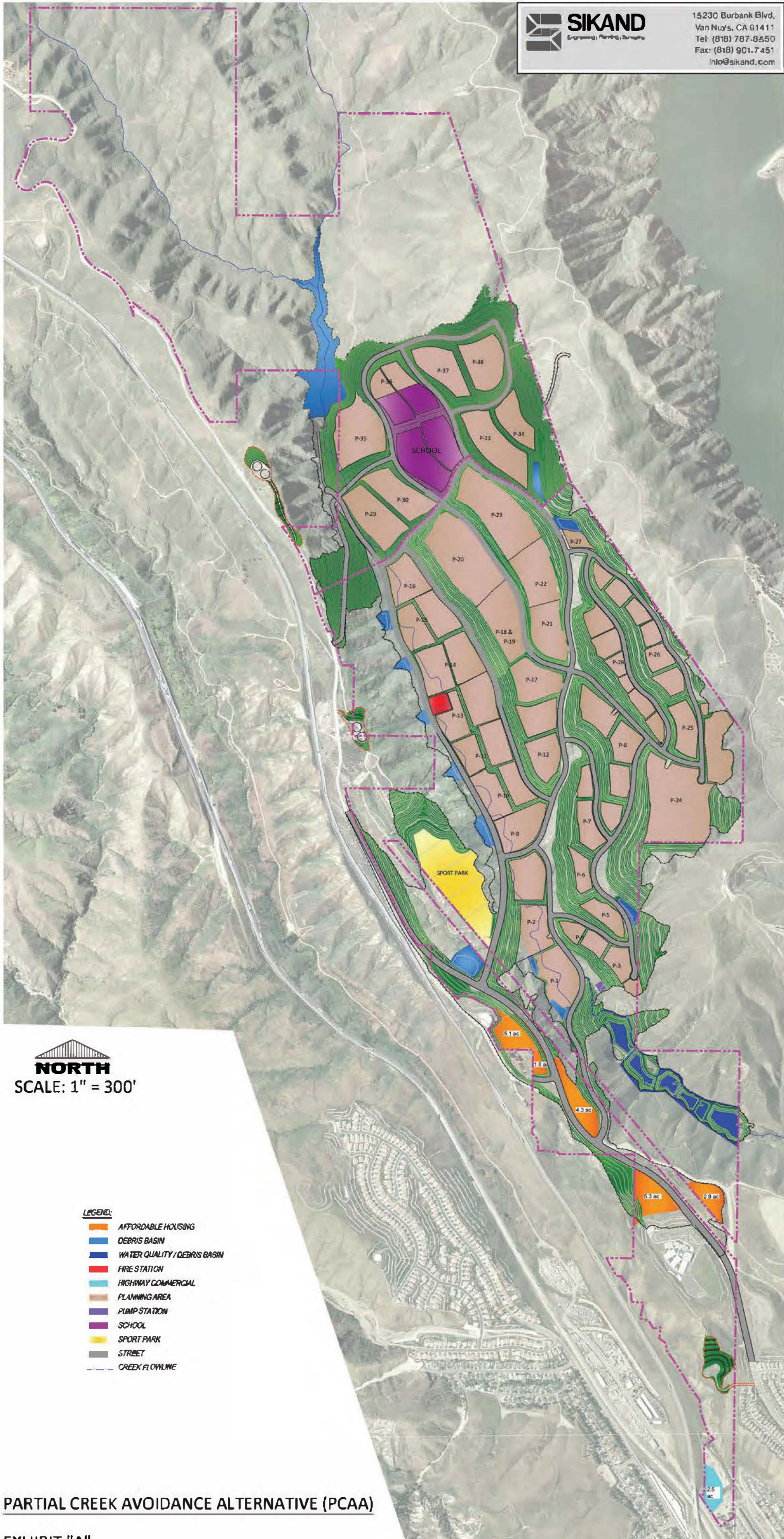
Notes The amount of dwelling units under evacuation per scenario is based on ppendi - ire ehavior nal sis utcomes for vacuation Modeling from the ildland ire Ris Report Northla e Pro ect, March 2023

DU = dwelling units; Evac. Pt = Evacuation Point



Residential Development Breakdown			
	P.A.	CREEK AVOIDANCE (AC.)	CREEK AVOIDANCE (DU)
PHASE 1	1	N/A	N/A
	2	N/A	N/A
	3	N/A	N/A
	4	N/A	N/A
	5	3.8	44
	6	N/A	N/A
	7	32.0	354
	8		
	9	N/A	N/A
	10	N/A	N/A
	11	N/A	N/A
	12	15.8	15
	13	N/A	N/A
	14	N/A	N/A
	15	N/A	N/A
	16	N/A	N/A
	17	2.1	17
	18		
	19	12.2	67
	20	17.5	87
	21	6.4	49
	22	8.6	66
	23	13.0	101
	24	17.6	126
	25	17.9	95
	26	5.9	32
	27	1.2	8
	28	12.1	89
	AFFORDABLE HOUSING/ LIVABLE WORK		165
	SUBTOTAL	166.7	1309
PHASE 2	29	N/A	N/A
	30	N/A	N/A
	31	10.2	53
	32	6.5	20
	33		
	34	18.3	71
	35	4.8	46
	36	8.3	50
	37	School	School
	38		
	39	14.2	66
	40		
	41	4	10
	43	7.9	34
	44	2.8	10
	45	5.4	15
	46	15	131
	47	N/A	N/A
	SUBTOTAL	97.4	506
	TOTAL	264.1	1,815

CREEK AVOIDANCE DENSITY EXHIBIT
(11-02-2022)



NORTH
SCALE: 1" = 300'

- LEGEND:**
- AFFORDABLE HOUSING
 - DEBRIS BASIN
 - WATER QUALITY / DEBRIS BASIN
 - FIRE STATION
 - HIGHWAY COMMERCIAL
 - PLANNING AREA
 - PUMP STATION
 - SCHOOL
 - SPORT PARK
 - STREET
 - CREEK FLOWLINE

PARTIAL CREEK AVOIDANCE ALTERNATIVE (PCAA)

EXHIBIT "A"