

From: [Keyon, David](#)
To: [Downtown West Project](#)
Subject: Fw: Fire thoughts on Diridon Development Capacity
Date: Thursday, August 20, 2020 10:45:12 AM

David Keyon

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From: Rood, Timothy <timothy.rood@sanjoseca.gov>
Sent: Monday, February 10, 2020 10:25 AM
To: Keyon, David <david.keyon@sanjoseca.gov>; Hill, Shannon <Shannon.Hill@sanjoseca.gov>
Cc: Ruano, Jose <Jose.Ruano@sanjoseca.gov>; Han, James <James.Han@sanjoseca.gov>; Tu, John <john.tu@sanjoseca.gov>
Subject: FW: Fire thoughts on Diridon Development Capacity

FYI. This analysis may have already been in Fire's memo with the 30 day letter.

From: Klein, Nanci
Sent: Wednesday, February 5, 2020 8:41 AM
To: Sapien, Robert <Robert.Sapien@sanjoseca.gov>; Sykes, Dave <Dave.Sykes@sanjoseca.gov>; Walesh, Kim <Kim.Walesh@sanjoseca.gov>
Cc: Rood, Timothy <timothy.rood@sanjoseca.gov>; Ekern, Bill <Bill.Ekern@sanjoseca.gov>
Subject: Re: Diridon Development Capacity

Chief - thank you for this! I'm including Kim and Dave. We need to think together about what the next steps are - if we are building this into project mitigation's this would be an impact/need for all developers. Thinking about how, where, financing is important.

Thank you!

Sent from my iPhone

On Feb 4, 2020, at 6:23 PM, Sapien, Robert <Robert.Sapien@sanjoseca.gov> wrote:

Hi Nanci,

The following was included in the Department's memo recommending Fire Station placement priorities:

Diridon Station Area (Priority 7)

Diridon Station Project is forecasted to serve a growing population base and reduce second-due requirements for Station 1, 4, 7 and 30 which accounted for 14%, or more than 5,365 responses citywide in 2018 that were beyond the 4-minute travel time target. Increased service demand and altered area road access in this area will require an additional fire station.

With capacity scenarios more clearly defined, the Department can better estimate increased service demands. The DSAP boundary area overlays portions of Station 1, Station 7, and Station 30 response areas. In calendar year 2018, Station 7's response area had 1,194 late responses (>4 minute travel time), Station 1 had 1,111 late responses, and Station 30 978 late responses. These totaled 3,283 or approximately 8.66% of late responses citywide. Additional service demands in the DSAP will impact performance in these three response areas and surrounding station areas. Any roadway changes will also be impactful and may require adjustments to response area boundaries.

The current average persons per household in San Jose is 3.14 across 321,835 households (2014-2018 US Census Data). In FY 2018-19, the Department responded to 91,900 emergency incidents (City Auditor Annual Report of City Services); this is approximately .29 per household (including incidents outside of households). Based upon the 2018-2019 per household average, the Department's initial estimate for annual incident volume increases is as follows:

RESIDENTIAL	DSAP Total	Est. Increase	Opportunity Sites	Est. Increase	Combined Est. Increase
2014 DSAP	2,588	751			751
Option 1A	8,582	2,489	3,582	1,039	3,528
Option 1B	11,977	3,473	6,977	2,023	5,496
Option 2	18,113	5,253	13,113	3,803	9,056
Option 3	11,029	3,198	6,029	1,748	4,946
Option 3B	12,619	3,660	7,619	2,209	5,869

Based upon this initial analysis, the Department expects significant emergency incident response demands in the DSAP and surrounding transportation routes.

Resident Demographics

DSAP resident demographics will drive incident volume impacts and may . For example, high density housing developments in North San Jose (Fire Station 29's response area) initially had modest call volume impact. Over time however as demographics changed (and additional units added) including increases in numbers of elderly and youth, incident volume has steadily increased.

Diridon Station Area Transportation Impacts

Based upon discussions with Bay Area cities with BART service, the Department expects significant impacts at BART stops and particularly high impacts at "end of line" stops. As a result, the Department anticipates that impacts will be driven upward. Increased ridership and automobile transportation to and from Mineta San Jose International Airport (SJC) and other high tech hubs will drive local business day population upward.

Possible Actions to Absorb Increased Incident Volumes

1. Fire Station 20: The Department has recommended expansion of Fire Station 20 (at SJC) to include a landside bay which will enable service off of the secured airfield. This will support responses to the north end of the DSAP and will fortify Downtown resource levels.
2. Truck Company: The Department has not yet restored resources lost in recession years. The elimination of Truck 3 (Third St. @ Martha St.) resulted in the relocation of Truck 4 (Leigh Ave – near San Jose City College) to Station 30 on Auzerai Ave. This reduction has reduced Truck Company availability to high density housing buildings in West San Jose and South Downtown areas. The restoration of a Truck Company continues to be a high priority for the Department and the need is exacerbated by the DSAP.
3. Hazardous Incident Team (HIT): To meet recession reduction targets the Department eliminated HIT staffing, transitioning to a cross-staffed model whereby Truck 29 personnel staff the HIT. Anticipated population generated from the DSAP will require increased availability of the HIT to meet domestic terrorism response responsibilities and increased Truck Company availability demands.
4. Additional Fire Station: As stated above, the DSAP is the Department's 7th priority for new station placement based upon expected incident volume increases.
5. Alternate Service Delivery Options: While not currently in place, the Department continues to pursue alternate emergency medical services (EMS) options, especially for lower level emergency calls. While not an offset to items 1-4 above, alternate service options could enhance overall system performance at a low cost.

This is initial analysis based upon recent per household emergency response demands. Findings and recommendations may need to be amended as development plans are firmed.

Thank you,

Robert

From: Klein, Nanci

Sent: Tuesday, January 14, 2020 4:56 PM

To: Rood, Timothy <timothy.rood@sanjoseca.gov>; Sapien, Robert <Robert.Sapien@sanjoseca.gov>

Subject: Diridon Development Capacity

Tim: Would you be so kind as to share capacity scenarios with the Chief?

The Chief is thinking through Fire services that may be needed.

Thank you!

Nanci

Nanci Klein

Assistant Director of Economic Development

Director of Real Estate

City of San Jose

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