



## MEMORANDUM

Date: September 5, 2023  
To: Helen Gannon, Associate Planner, Foster City  
CC: Kirti Patel, Owner  
From: Ryan Bernal, PE, Kimley Horn

**Subject: 106 Challenge Court – Driveway Peer Review Response and Recommendations**

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### Introduction

This memorandum has been prepared to document responses to the Peer Review of 106 Challenge Court Parking Access Plan that as prepared by Traffic Patterns dated August 23, 2023.

### Responses

The peer review notes that our study demonstrates the movements that are impeded. We agree with that statement but would note that the study was intended to demonstrate how access would be accommodated based on both head in/out and back in/out movements for complete understanding. The only movements that are impeded from being completed in a single movement are the head in movement for the driveway parking stall that is closest to street, as well as backing out of that space. Our understanding is that homeowners for 104 Challenge Court have historically reversed into the driveway. With the addition of 106 Challenge Court it is still feasible to park in both garage and driveway stalls with single movements, provided it is reverse in and head out. Single, head-in and reverse-out movements are also accommodated with the garage and driveway stall further from street, it is only the secondary stalls closer to the street that would be negatively impacted for head in movement/reverse departures only, which again has not been the traditional approach.

There are also notes about turning templates being patched together and not representing overhang not being shown properly. It is correct that movements are patched together as it is not practical to complete the extent of movements with a single model, however, the overhangs are fully represented. Where the overhang passes beyond the edge of pavement, it is shown, as is demonstrated in the "Head-In Entry to Western Parking Spot on Driveway or Into Garage" (Movement 3 shown on Page 2 of 5/31/2023 106 Challenge Court Driveway Study) which shows the vehicle overhang sweeping across landscaping adjacent to the driveway. Vehicle overhangs are shown, and it is common for vehicles to overhang beyond limits of pavement at driveways.

One further note is that these movements are all based on a Toyota Sienna being parking in the driveway and another accessing the second stall. Should smaller vehicles make the movement, or a second vehicle not already be occupying the other space, these movements would be more easily accommodated.

**Recommendations**

It would be recommended that the parking at 104 Challenge Court continue to be reverse-entry and head out departure, as it has been historically. Additionally, it would be recommended to place raised planters, curbs, and/or bollards adjacent to the proposed addition at 106 Challenge Court in order to provide a barrier for protection between vehicle movements for 104 Challenge Court and the addition.