

Proposed Improvements for Kelly and Colorado Sands

- Kelly Lane at S.H. 130
 - No additional lanes or turn bays are recommended to be constructed at this interchange.
 - Modify traffic signal timing at this interchange as coordinated with TxDOT.
- Kelly Lane East of SH 130
 - Between SH 130 NBFR and Colorado Sands, add a second EB lane that becomes a forced RT (trap lane) at Colorado Sands
- Kelly Lane at Murchison Ridge
 - Convert Murchison to Right in, right out.
- Kelly Lane at Colorado Sands
 - Signalize intersection when warrants are met
 - Construct Colorado Sands at ultimate cross section from Kelly Lane to 1300' south of Kelly Lane
 - Add NB left-turn lane, right-turn lane
 - Restripe center turn lane to accommodate WB left turn lane
- Kelly Lane at Benning and School Access
 - South leg becomes a one-way egress road from the school complex.
 - NB no left turns out.
 - SB no left turns out.
- Kelly Lane at Kennemer
 - Modify signal timings to accommodate increased SB right turns.
 - Relocate pedestrians crossing Kennemer during the AM peak to a crosswalk signal north of Kelly, south of existing bridge structure. Further discussion is needed on whether existing crosswalk can remain with time of day usage restrictions.
 - Widen sidewalk on east side of Kennemer north from Kelly to the proposed crosswalk signal
 - Retain north-south crosswalk across Kelly on east side of intersection
 - Add SB right-turn lane
- Kelly Lane at Falcon Pointe (West Leg)
 - Add WB left-turn lane
 - Add NB right-turn lane
 - Signalize when warrants are met
- Colorado Sands
 - The first phase s from Kelly to the first east-west road (650 ft. south). This section should be built as a 2-lane roadway, and this construction phase should include the 2-lane connection of Autumn Slate east to Murchison Elementary.
 - The second phase of Colorado Springs would extend from Autumn Slate to FM 685 as a two-lane section, and include a 2-lane tie to the FM 685 overpass.

- The third phase would extend south from FM 685 to the property line to the south as a 2-lane road, and provide a tie to future developer-driven projects to tie into Pflugerville Parkway and Falcon Point.

Phasing

1. Modify signal timings at SH 130 and Kelly.
2. Improvements on Kelly Lane between SH 130 and Benning should be done as a group that includes construction of Colorado Sands to the first cross road, and the east leg of that cross road into the elementary school.
3. The second phase of Colorado Sands, including the FM 685 connection can be constructed at any time after Item 2.
4. Improvements to intersections on Kelly east of Benning are independent of other items, and are projected to result in improved traffic flow whenever constructed. The single largest impact to traffic along Kelly would result from improvements at the Kennemer intersection.
5. The extension of Colorado Sands south of FM 685 can occur at any time after Item 3, but will not result in any mobility benefit until connections to Falcon Pointe or Pflugerville Parkway are constructed.

Concern

Upon review of the conceptual plan provided by the developer for Colorado Sands, it was found that the centerline radius of curves on Colorado Sands are well below the minimum radius for minor arterials. In many cases, the centerline curve radii are less than 300 feet. We bring this to your attention in case this configuration has not been discussed between the City and the developer.