

# REVIEW OPTIONS AND CONSIDER IMPROVEMENTS TO ROUNDBABOUTS

CITY COUNCIL REGULAR MEETING  
ITEM: 5.4 JANUARY 10, 2022



# BACKGROUND:



City Council submitted a referral to evaluate improvements at the following roundabouts:

- ① - Towne Centre Drive and McKee Blvd
- ② - Brookhurst Blvd and Golden Spike Trail



# EXISTING CONDITIONS:



① Towne Centre Drive and McKee Blvd



② Brookhurst Blvd and Golden Spike Trail

# INITIAL IMPROVEMENTS:



**Ladder Crosswalk**



Installed New  
Signing & Striping  
at all Crosswalks

**High-Viz Signage**

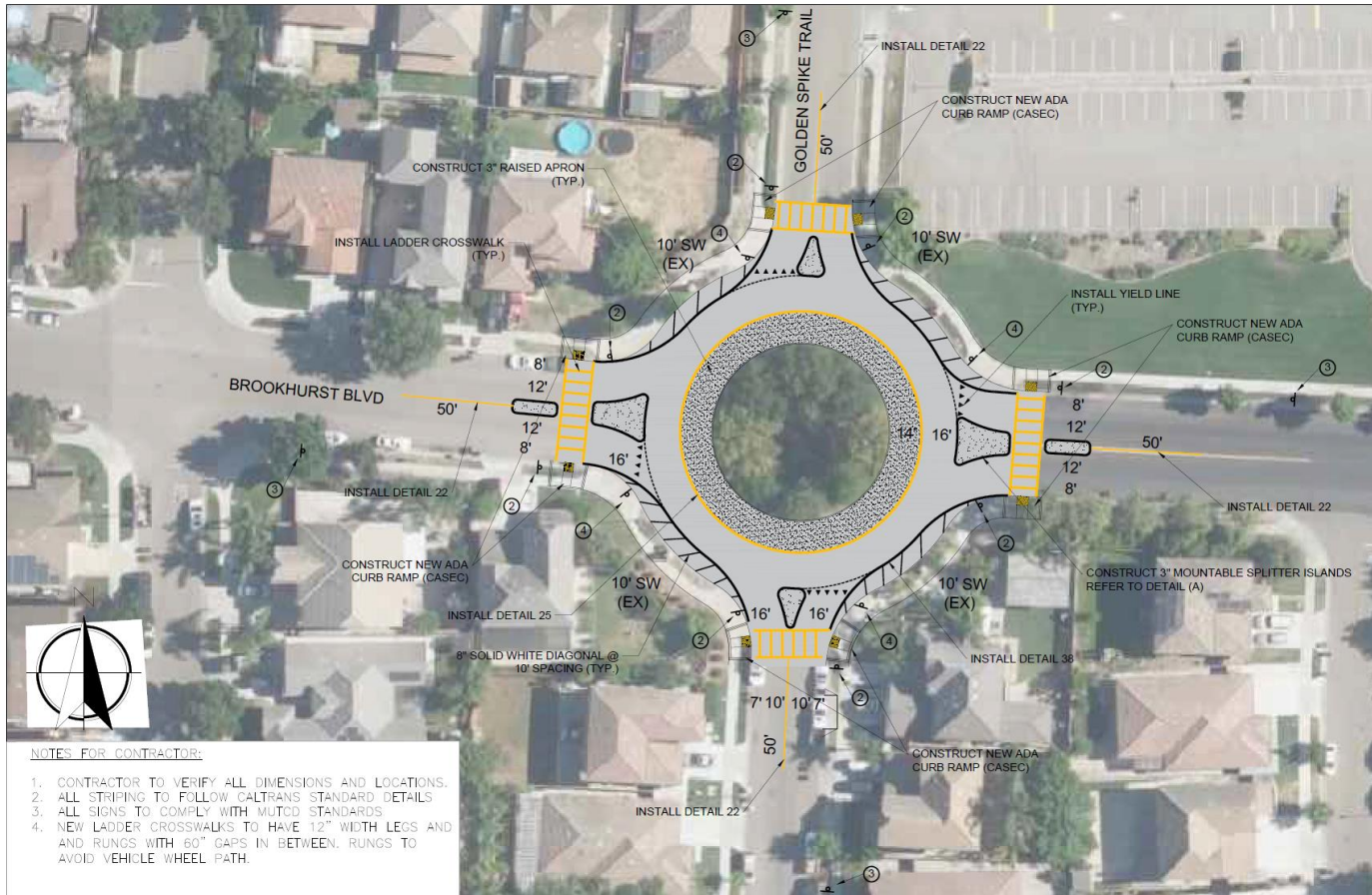


**"No Parking" within  
the Roundabout**





# OPTION I: INSTALL SPLITTER ISLANDS - (CONT.)



- NOTES FOR CONTRACTOR:**
1. CONTRACTOR TO VERIFY ALL DIMENSIONS AND LOCATIONS.
  2. ALL STRIPING TO FOLLOW CALTRANS STANDARD DETAILS
  3. ALL SIGNS TO COMPLY WITH MUTCO STANDARDS
  4. NEW LADDER CROSSWALKS TO HAVE 12" WIDTH LEGS AND RUNGS WITH 60" GAPS IN BETWEEN. RUNGS TO AVOID VEHICLE WHEEL PATH.

CA MUTCO SIGN REFERENCE

- ① SCHOOL  
SW24-1
- ② SW24-2
- ③ AHEAD  
SW24-3
- ④ R1-2



BROOKHURST BLVD AND GOLDEN SPIKE TRAIL  
ROUNDAABOUT IMPROVEMENTS  
**3" MOUNTABLE SPLITTERS**

REVISIONS			
NO.	BY	DATE	DESCRIPTION



DEPARTMENT OF PUBLIC WORKS  
LATHROP, CALIFORNIA

DRAWN BY:	A.A.	SHEET NO. <b>1</b> OF <b>1</b>
CHECKED BY:	TBD	
PROJ. MGR.:	A.A.	
DATE:	DECEMBER 2021	
SCALE:	1" = 20'	
FILE NO.:	CIP PS 22-14	

## OPTION 2: INSTALL RECTANGULAR RAPID FLASHING BEACONS (RRFBS)



- Increase driver awareness of pedestrians crossing
- Solar Powered and activated by a pedestrian-push-button
- Approximate cost \$60,000 / roundabout



# OPTION 3: REMOVE AND REPLACE ROUNDABOUTS



- Demolition of concrete and landscape
- Reconstruction of sidewalk, curb, gutter, landscape, and utilities
- Negative impacts:
  - o Increased vehicle emissions
  - o Reduced intersection capacity resulting in traffic delays
  - o Traffic analysis required
- Approximate cost \$1,000,000 / roundabout



# RECOMMENDATION:



- Staff recommends that Council consider Option 1 as it provides enhanced pedestrian safety and maintains the opportunity to add Option 2 in the future if needed