

**MISSION CANYON ROAD ALIGNMENT ALTERNATIVES**

| Alt. #   | ALTERNATIVES  | DESIGN SPEED   | SIGHT DISTANCE                               | ROADWAY GEOMETRICS   | CITY PATHWAY COMPLIANCE                                 | IMPACTS TO HISTORICAL RESOURCES   | ENVIRONMENTAL IMPACTS   | HBP FUNDING ELIGIBLE   |
|----------|---|--|--|--|---|---|---|--|
| <b>A</b> | <b>Widen Equally on Both Sides</b> - Existing bridge widened equally on both sides, existing alignment maintained over bridge, larger radii curves north and south of bridge. Roadway improvements extend 225' south of the bridge and 415' north of the bridge                                     | Minimum 200' radius curves accommodate a 25 mph design speed | North: 175' (27 mph)<br>South: 149' (25 mph) | Reverse curve south of MCB, lanes narrowed to 10' at Mission Aqueduct Column | Path on both sides for entire length of project         | MCB widened on both sides, monastery gate and 30' of wall to be relocated, Oliver trough-fountain to be relocated | 6", 2 @ 8", 10", 24", 38", 48" sycamores to be removed              | Eligible for partial HBP Funding - sidewalk on one side only, southern approach roadway would be limited to 200' and northern approach roadway would be limited to 275'. Likely the improvements at Puesta Del Sol Intersection would not be eligible. |
| <b>B</b> | <b>Pedestrian Bridge 10' West of MCB</b> - Existing bridge is rehabilitated/replaced, 140' long pedestrian bridge 10' west of Mission Canyon Bridge, larger radii curves north and south of bridge. Roadway improvements extend 350' to the south of the bridge and 415' to the north of the bridge | Minimum 200' radius curves accommodate a 25 mph design speed | North: 142' (24 mph)<br>South: 209' (30 mph) | Reverse curve south of MCB, lanes narrowed to 10' across MCB                 | Path only on west side of road south of Rocky Nook Park | Monastery gate and 30' of wall to be relocated, 6' segment of stegosaurus wall to be removed                      | 6", 2 @ 8", 24" sycamores; 6", 10", 2 @ 12", 14" oaks to be removed | Eligible for partial HBP Funding IF the existing bridge is rehabilitated or replaced with this alternative. The pathway and pedestrian bridge would not be eligible. Roadway approach improvements could be partially funded                           |
| <b>C</b> | <b>Pedestrian Path Only on East of MCB</b> - Existing bridge is rehabilitated/replaced. Minor Improvements to the existing roadway alignment  | Minimum 110' radius curve less than 20 mph design speed      | North: 97' (18 mph)<br>South: 151' (25 mph)  | Lanes narrowed to 11' across MCB   | Path only on east side of road                          | Oliver trough-fountain to be relocated  | 6", 2 @ 8", 10", 24", 38", 48" sycamores to be removed              | Not eligible for HBP funding. The roadway alignment is still functionally obsolete.  |

MCB: Mission Canyon Bridge  
PDS: Puesta del Sol

**Best Option**

**Less Desirable Option**