

Constitution Street 2019 Bond Project (Jenkins Avenue to Classen Boulevard)

**Community Planning & Transportation
Committee**

August 22, 2024



Constitution Street Project Limits



Proposed Improvements



Status

- 60% Plans Complete
- Need to work through project challenges
- Exploring funding options



Project Challenges



Tributary of Bishop Creek

Constitution Street

Tributary of Bishop Creek

Slope Stability Issues
with sidewalk install

Railroad Crossing

BNSF RR

Oak Tree Avenue

Bishop Creek

OU Jimmy Austin
Golf Course

Note: Sidewalk between the bridges
requires retaining walls and handrails



Slope Stability

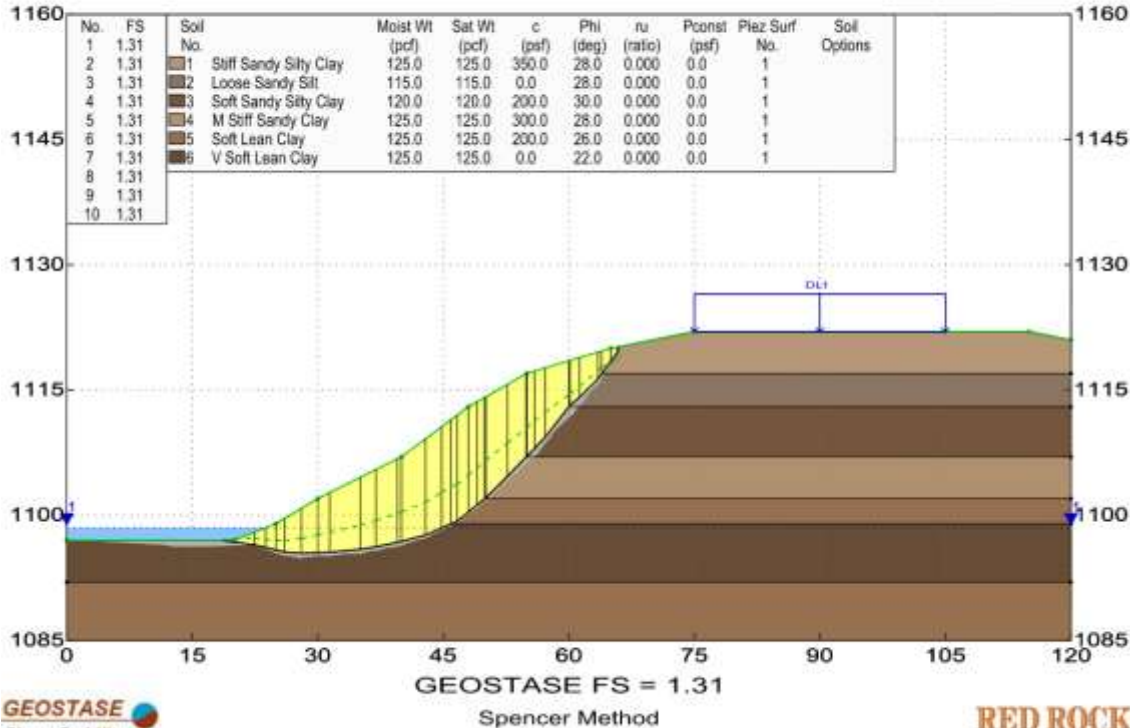


Slope Stability

20039 Constitution St Retaining Wall - Non-Circular Global Stability Analysis
137+75 Long Term Conditions (Drained Strength) - EXISTING SLOPE ONLY

RED ROCK CONSULTING / KKB

\\137+75 Slope LT.zrs.gsd



Rail Road Crossing



Recently Upgraded
Railroad Crossing Plates

BNSF resisted south
crossing plate on
previous project

BNSF RR

Constitution Street

Oak Tree Avenue

Bishop Creek



Alternatives to Issues





- Eliminate sidewalk on south side of Constitution Street
- Utilize HAWK or similar crosswalk traffic signals near Oak Tree Ave. to accommodate pedestrians



HAWK Signal

HAWK – (High Intensity Activated CrossWalk)



DRIVERS		PEDESTRIANS	
Will See ...	Will Do ...	Will See ...	Will Do ...
1 	Proceed with caution.		Push the button to activate the system.
2  FLASHING	Slow down. A pedestrian has activated the system.		Wait.
3 	Prepare to stop.		Continue to wait.
4  FLASHING	STOP. A pedestrian is in the crosswalk.		Start crossing when all vehicles are stopped.
5  FLASHING	STOP. Proceed with caution if the crosswalk is clear.		Continue crossing; the signal will count down.
6 	Proceed if the crosswalk is clear.		Push the button to activate the system.

Alternatives Pro's and Con's



PRO's

- Avoids costly slope stability remedy on private property
- Improved signal controlled access to newly constructed trail system
- City Staff believe the north side better accommodates highest number of pedestrians
- Over \$450,000 cost reduction

CON's


- Some pedestrians will need to take longer routes (businesses south of Constitution St. and east of BNSF railroad, campus destinations south of Constitution St.)
- Minor vehicular delays at new pedestrian crossing



Cost Changes



HAWK signal addition with design	\$135,000
Slope stability delete	-\$80,000
Railroad sidewalk panel delete	-\$75,000
OU easement deduction (slope and sidewalk)	-\$59,000
Sidewalk reduction delete	-\$132,000
Retaining wall delete	-\$108,000
Handrail delete	<u>-\$132,000</u>
Total	-\$451,000



DISCUSSION QUESTIONS COMMENTS

