

Road Committee Report

Lynn Kissel

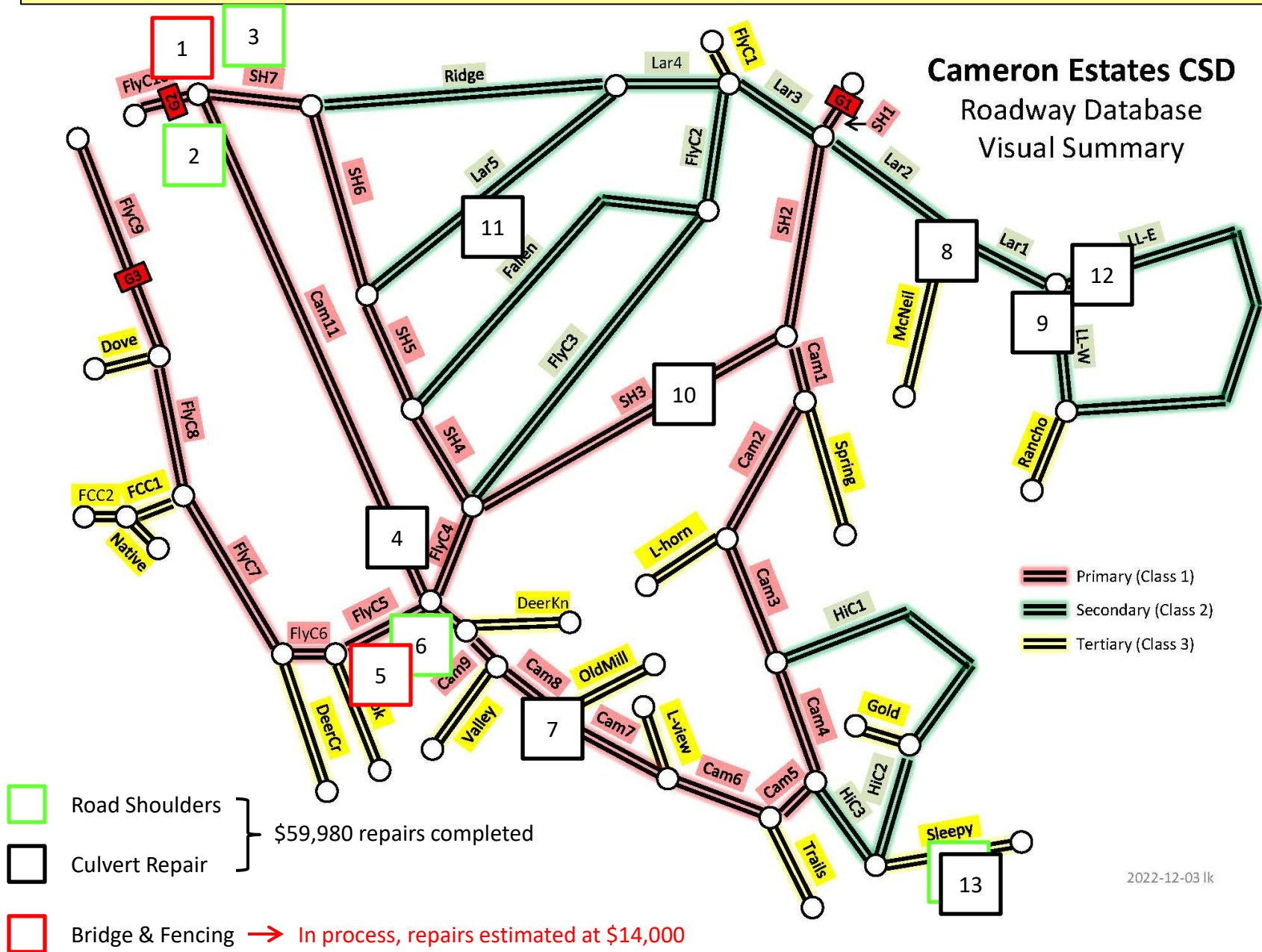
Peter Reese

March 8, 2023

Past two months have been a busy time for the District and the Road Committee

- Assessment of flood damage and repairs
- Status of the annual survey of our roads
- Selecting a best-fit sustainable maintenance plan
- Draft list of near- and long-term road projects with cost estimates and comparison to budgets

CECSD Flood Damage Survey – damage locations – 2023-01-20



An initial survey and assessment is complete

- Initial survey has been completed
 - Review reading the survey summary
- Now open for review by all directors
- Of note, extensive cracking on many roads

Spectrum of Road Maintenance Options



Remove & Replace, 15/SF, 15-more yrs, failed road
HMA Overlay, 5.00/SF, 8-25 yrs, extensive cracks

Cape Seal, 1.20/SF, 5-7 yrs, extensive cracks (smooth)
Chip Seal, 0.80/SF, 7-10 yrs, extensive cracks (rough)



Slurry Seal, 0.40/SF, 5-7 yrs, few tight cracks
Fog Seal, 0.20/SF, 3-5 yrs, few tight cracks

Re-striping adds 50% to fog-seal costs

Remedial Maintenance (\$\$\$/SF)
Our survey reveals many of our roads have extensive cracks

Routine Maintenance (\$/SF)
Fog and slurry seals inexpensive way to maintain good roads

Annualized costs for our roads

Fog Seals	\$ 118,766
Slurry Seals	\$ 207,187
Chip Seals	\$ 163,472
HMA Overlays	\$ 651,905
Remove & Replace	\$ 1,097,306

Selecting and implementing an ongoing maintenance program will extend the life of our roads

- Routine maintenance for good roads
 - “Good roads” have few, tight cracks
 - Perform every 5-7 yrs
 - Repair isolated failures + crack fill + slurry seal
- Remedial maintenance for cracked roads
 - Perform once on cracked roads making them “good”
 - Repair isolated failures + chip seal + slurry seal
 - Follow in 5-7 yrs with routine maintenance
 - Costs about 2.5x routine maintenance
- Review draft Projects List

It is important to preserve our roads as we cannot afford to replace them

Our analysis demonstrates a serious gap between our resources and our needs

- Increased use of volunteer efforts to reduce costs
 - Volunteer completion of smaller projects (Peter Reese)
 - Volunteer group to manage security issues (Lynn Kissel)
 - Road liaisons (list of residents), to help vet/socialize work
 - Other tasks? Resident calls to District Office, to volunteers?
- Adopt “pavement preservation” strategy to minimize costs
 - Rely on least expensive fog/slurry/chip seals to maintain our roads
 - Handiman for repairs, potholes (more timely, we need a compactor)
- Consider ballot initiative(s) for adjusting tax rate (last adj in 2018, 5 yrs ago)
 - Duty to advise residents; cost inflation; periodic true-up
 - Residents have told us they’re willing to pay more for better roads

This three-pronged strategy is focused on aligning our goals with our budget

Additional files

1. *Initial Survey Summary*
2. *Draft Projects List*