Streets Presentation

Public Works Department

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City Engineer

November 19, 2013



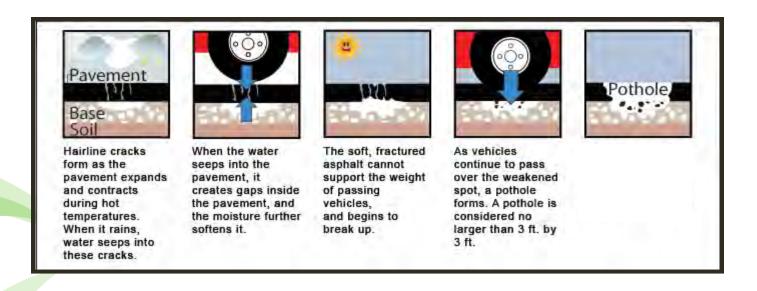
Street Repairs

- A Guide to Potholes & Pavement Failure
- Pavement Condition Index (PCI)
- Different Types of Repairs & Costs
- Criteria Used to Determine Scheduling of Repairs

A Guide to Potholes & Pavement Failure

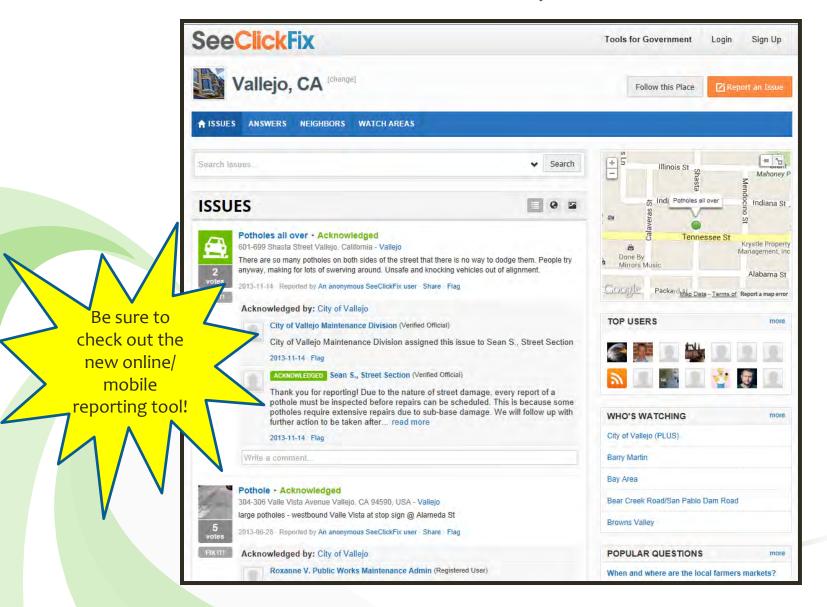


How a Pothole is Created



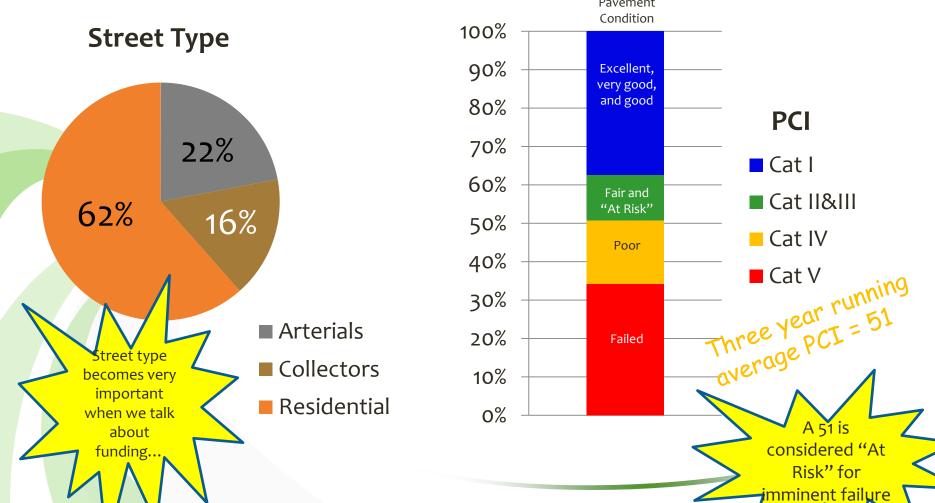
 Report potholes (or any non-emergency maintenance problem) at the City's new SeeClickFix feature online or from your mobile device.

SeeClickFix.com/Vallejo



Vallejo Street Stats

PCI (pavement condition index) is a numerical index used to indicate general condition of pavement on a scale from 100-0 Condition



Cat I PCI 70-100



Cat I PCI 70-100 Cat II - III PCI 50-69



Cat IV PCI 25-49



Cat I PCI 70-100 Cat IV PCI 25-49

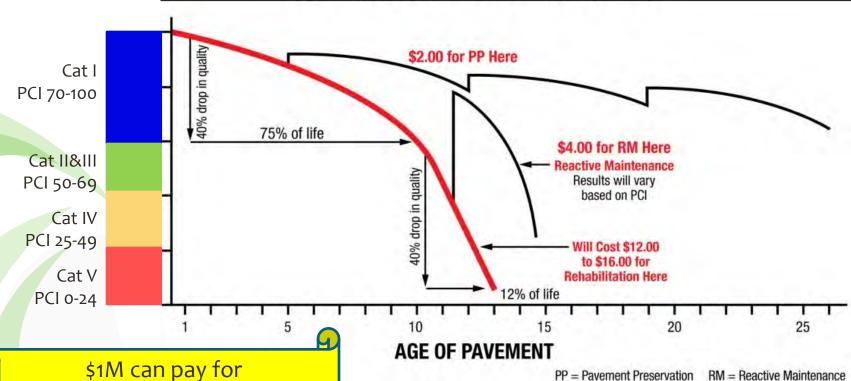
Cat II - III PCI 50-69 Cat V PCI 0-24



Repairs and Costs



PAVEMENT CONDITION INDEX



40 blocks of pavement preservation ~OR~ 3 blocks of rehabilitation

PP = Pavement Preservation RM = Reactive Maintenance

Repairs and Costs

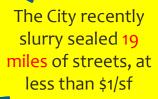
- Five year expenditure predictions
 - \$2.7M/yr => PCI decrease by 6 points
 - \$7M/yr => maintain PCI
 - \$16M/yr => PCI increase by 5 points
- Budget this year:
 - \$4.4M from Measure B
 - \$1.3M from Prop 42
 - \$1.8M from Gas Tax



This is what we spent before Measure B.

- Pothole Repair
 - Road crews fill pothole with replacement pavement material
 - Cold patches for small potholes in areas of light traffic
 - Hot asphalt in high traffic areas or larger potholes
 - Completed by City Maintenance Crews
 - Completed as quickly as possible, considering:
 - Severity (emergency fix?)
 - Number of requests
 - Other Maintenance work
 - Goal: Minimize damage until permanent pavement repairs can be made.

Category I - Crack Seal/Surry Seal







This will extend these roads 5-7 years

- Category I: Crack Seal/Surry Seal
- Category II&III: Thin AC Overlay/Skin Patch



- Category I: Crack Seal/Surry Seal
- Category II&III: Thin AC Overlay/Skin Patch
- Category IV: Thick AC Overlay



- Category I: Crack Seal/Surry Seal
- Category II&III: Thin AC Overlay/Skin Patch
- Category IV: Thick AC Overlay
- Category V: Reconstruction



Pavement Repair Prioritization

- Confirm current funding levels and requirements/restrictions on grants or funding source
- Evaluate the PCI, traffic volume, bus routes, and the surrounding area (school zones, retail centers)
- Coordinate with underground utility work
- Move the money around entire City
- List of street conditions and appropriate repairs is continually updated

Funding Restrictions

Location

Federal funds can only be used on streets that are identified as arterials and major collectors. (red, green, and purple lines)
 The only PDA in

~AND~

New restrictions based on "Priority Development Areas" (Downtown area)

Use

Specific purposes
 (increased transit, pedestrian, bicycling & trails, school access, etc.)



Vallejo.

Planned work:

- 2014 Construction
 - Sereno Drive (Tuolumne to Fairgrounds)
 - Downtown Streetscape Sacramento and Georgia
 - Chase Street (Benicia Rd to Beach St)
 - Santa Clara (Carolina to Tennessee)

 - Whitesides (S Regatta to end)
 - Ohio (RR tracks to Broadway)
 - Fleming (Mariposa to end)
 - Lynn (Parkwood to end)
 - Rae (Parkwood to end)
 - Patrick (Parkwood to end)
 - Sherrod (Parkwood to end)

- Dartmouth (Princeton to Baylor) -- Toyon (Redwood to Tuolumne)
 - -- Sandpiper (Mini to Meadows)
 - -- Granville (Maple to Webb)
 - -- Sheridan (Cherry to Magazine)
 - -- Shasta (Nebraska to Tennessee)
 - -- Colt (Winchester to end)
 - -- Henry (Hale to Lassen)
 - -- Wolfe (Springs to Florida)



Planned work:

- 2015 Construction
 - Downtown Streetscape Maine (Sacramento to Santa Clara)
 - Florida (Tuolumne to Amador)
 - Capitol (Santa Clara to Marin)
 - Carolina (Santa Clara to Sonoma)
 - Plus all of the streets completed by Maintenance, similar to 2014's list

Contact

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