

Bid 2309 – Pavement Cut Fee Study

Public Works Department

City Council

December 12, 2023

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PAVEMENT PROGRAM OVERVIEW

1. Paving Moratorium extended from three to five years.
2. GIS Paving Map implement for better coordination.
3. Pavement Management Program incorporated regular street surveys.
4. Increased roadway investment significantly in the past several years.
5. Assess truck volumes, cut-through traffic concerns, & restrictions



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PAVEMENT PROGRAM OVERVIEW

6. Partnered with RPU to recommend on-call contractors to repair roads and sidewalks damaged by water line repairs.
7. Continue to pursue best practices to help preserve streets.
8. Trench Cut Fees have already been implemented by many Cities and many more agencies have conducted similar studies.
9. On May 11, 2023, the Mobility and Infrastructure Committee recommended that the City Council approve a Pavement Cut Fee Study to assess damages caused by development and utility work.



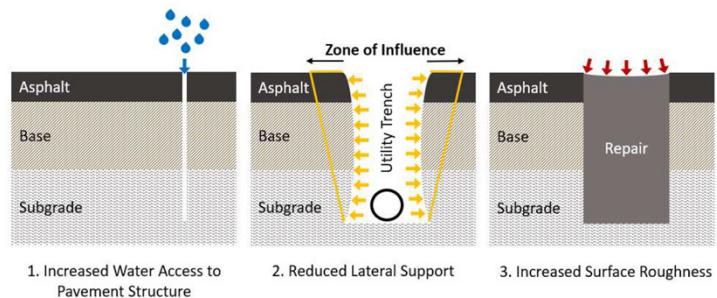
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ROAD DAMAGE BY TRENCHING OPERATIONS

1. Water Intrusion places load pressure on pavement causing some of the gravel to become unstable – leads to cracking
2. Zone of Influence – lateral support becomes weak and unstable, can unravel toward the trench opening (caving in)
3. 90% compaction isn't always achieved which leads to failing patches and rough roads



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COMMITTEE RECOMMENDATION

- On May 11, 2023, the Mobility and Infrastructure Committee reviewed the matter and recommended that the City Council approve a Pavement Cut Fee Study to assess damages caused by trenching associated with development and utility work and to consider adopting a fee schedule to recover street degradation costs for those damages.



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PROPOSED PAVEMENT CUT FEE STUDY

Tasks Include:

- Preliminary Pavement Cut Fee Analysis
- Pavement Cut Fee Study Workshop
- Pavement Cut Fee Study Report
- Public Outreach
- Pavement Cores / Geotechnical Exploration



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PROPOSED PAVEMENT CUT FEE STUDY

Optional Tasks (Can be Negotiated at a later date)

- a. Alternate Forms of Revenue
- b. Implementation of the City's Cut Fee Schedule



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FEE STUDY TIMELINE

1. The project is anticipated to be completed in the first half of 2024
2. Staff plan to provide regular updates to the Mobility and Infrastructure Committee



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STRATEGIC PLAN ALIGNMENT

- Strategic Priority No. 6 Infrastructure, Mobility and Connectivity and Goal No. 6.2 – Maintain, protect, and improve assets and infrastructure within the City's built environment to ensure and enhance reliability, resiliency, sustainability, and facilitate connectivity.
- This item aligns with each thread for Community Trust, Equity, Fiscal Responsibility, Innovation, and Sustainability & Resiliency.

Cross-Cutting Threads



Community Trust



Fiscal Responsibility



Sustainability & Resiliency



Equity



Innovation



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RECOMMENDATIONS

That the City Council:

1. Award a Service Agreement for RFP No. 2309 to complete a Pavement Cut Fee Study to Nichols Consulting Engineers of Fountain Valley, California, in the amount of \$190,600; and
2. Authorize the City Manager, or designee, to execute the Service Agreement with Nichols Consulting Engineers, including making minor non-substantial changes.



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