

Knott-Miller Holder Artesia Branch Rehabilitation Project No. 3-60

Presented by:
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Engineering
Supervisor

Operations
Committee
September 6, 2023

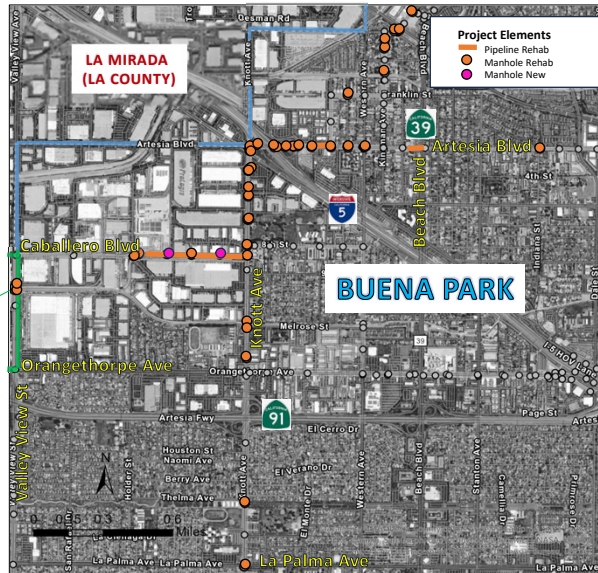
Consultant Design Award



1

Project
Location:
Buena Park
and
La Palma


LA PALMA



2


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Reason for the Project



DCSD / BUENA PARK EASEMENT
MLR0520-0000 -> MLR0515-1000 21271768
Vitrified Clay Pipe Circular 42

Pipeline - CCTV



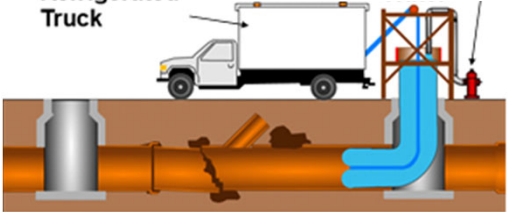
Manhole - CCTV

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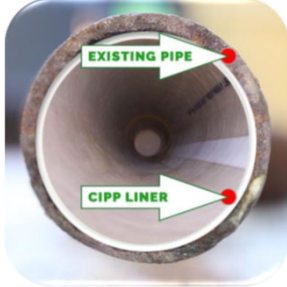
What is the Solution?

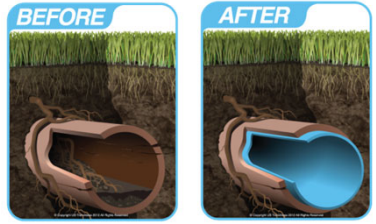
Refrigerated Truck



Water or Steam or Ultraviolet

- Cured-in-place Pipe Rehabilitation (CIPP)
- Manhole Rehabilitation

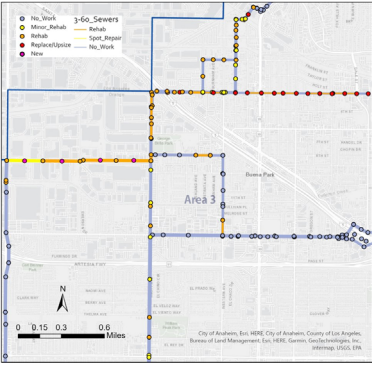





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4

Reduced Scope



Legend:
 No_Work (Blue circle), Minor_Rehab (Yellow circle), Rehab (Orange circle), Replace/Upgrade (Red circle), New (Green circle)
 3-60_Sewers (Blue line), Rehab (Yellow line), Replace/Upgrade (Red line), New (Green line)



Legend:
 No_Work (Blue circle), Minor_Rehab (Yellow circle), Rehab (Orange circle), Replace/Upgrade (Red circle), New (Green circle)
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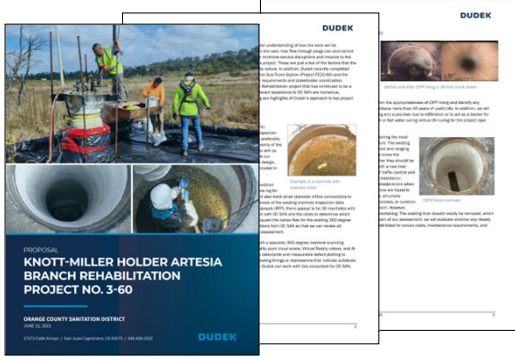
Pipe Rehabilitation: 12,100 LF
Manhole Rehabilitation: 68
New Manhole Installation: 4
Install Air Jumper: 1
Manhole Replacement: 17
Construction Cost Estimate: \$18.1M

Pipe Rehabilitation: 3,900 LF
Manhole Rehabilitation: 43
New Manhole Installation: 2
Install Air Jumper: 1
Construction Cost Estimate: \$8M

5

Selection Process

- Four proposals received
- Interviews conducted with two firms
- Dudek selected
 - Approach to implement cost saving ideas during design
 - Understanding of construction risk mitigation requirements



6

Negotiations

	Original Proposal	Negotiated
Total Hours	5,744	5,145
Total Fee	\$1,348,064	\$1,200,000

- Removed groundwater pump testing from the Scope of Work.
- Reduced the number of potholes that will be conducted.
- Reduced hours for field topographic investigation.
- Increased hours for permit coordination.
- Increased hours to include additional traffic control phasing through the intersections.

7

7

Recommendation


Recommend to the Board of Directors to:

- Approve a Professional Design Services Agreement with Dudek to provide engineering services for Knott-Miller Holder Artesia Branch Rehabilitation, Project No. 3-60, for an amount not to exceed \$1,200,000; and
- Approve a contingency of \$120,000 (10%).

8

8

Questions

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