



MEMORANDUM

City of Angels City Council

Date: July 2, 2024
To: City Council
From: Amy Augustine, AICP – City Planner
Re: Discussion and Direction on Fencing versus Capping Shafts for Utica Park / Lightner Mine Expansion Project and approve Change Order #1 for Boyer

Recommendation:

Direct staff to:

- A. Proceed with either fencing or a slab over the Old Lightner Mine Shaft
- B. Proceed with either retaining the existing slab “as is” or pouring a new reinforced slab for the Utica Mine Shaft (existing cement pad in Utica Park)
- C. Approve Change Order #1 for Boyer to undertake geotechnical remediation for the Utica Park/Lightner Mine Expansion Project using American Rescue Plan (ARPA) Funds budgeted for this purpose.

Background:

The City hired GeoCon to investigate potential geotechnical issues associated with the Utica and Lightner mines and recommend remediation to allow for park construction to proceed safely.

Strategic Plan Alignment:

Conservation & Open Space: Protect the health and safety of people and property in the city from natural and man-made hazards. The proposed project is intended to protect the safety of people in the city from man-made hazards (mining structures).

Discussion

The GeoCon report recommended the actions in the following table. Boyer provided cost estimates for each item and included an alternative for fencing for some items to allow for Council to assess cost/benefits. Because fencing estimates were more expensive than plugging the raise portal and vertical shaft portal, staff authorized Boyer to proceed with capping the two shafts identified to avoid project delays.

Costs of geotechnical remediation were not included in Boyer’s contract. Change order (#1) for the proposed scope of work is requested.

Item	GeoCon Recommendation	Cost GeoCon Recommendation	Cost Fencing (Chain link versus decorative wrought iron)	Staff Recommendation
New Lightner Shaft (shaft adjacent to highway)	Fence	\$57,960	(Decorative wrought shown in cost)	Approve \$57,960 expenditure to excavate, establish concrete footings and install a 6' high decorative metal fence with one 3' wide man gate. Cost excludes rock excavation, if necessary/a/
Raise portal	Plug (cement)	\$21,900	\$30,629 chain link \$51,414 Wrought Iron	Staff issued notice to proceed for Boyer to avoid project delays (\$21,900)
Vertical Shaft portal	Plug (cement)	\$29,400	\$29,952 chain link \$48,450 Wrought iron	Staff issued notice to proceed for Boyer to avoid project delays. (\$29,400)
Old Lightner Shaft (Shaft at bottom of expansion parcel)	Slab (Cement)	\$80,628	\$63,300 chain link \$97,740 Wrought Iron	Complete slab – To do so at a future date would be more expensive. Fencing would preclude use of this portion of the site.
Utica North Shaft (Existing shaft in Utica Park)	Replace slab with reinforced slab	\$44,514	N/A	Council may wish to retain the existing slab “as is”
Slab Design (Land and Structure)	(Old Lightner and Utica North)	\$4,000	N/A	
Total		\$238,402.00		

Note: Costs exclude GeoCon design and inspection costs approved under separate contract

/a/ Potential costs of excavating in rock (for foundations for fence posts) cannot be determined

Financial Impact:

The City budgeted \$400,000 for cost overruns using the city's ARPA funds. It was anticipated that these funds would be used to address geotechnical issues. Sufficient budget remains for performing all GeoCon recommended actions at a cost of \$238,402. Should the Council decide to forego replacing the existing slab at the Utica North Shaft, total cost for remediation in accordance with GeoCon recommendations would be reduced to \$193,888.

Attachments

Map of remediation locations