





Municipality of Anchorage
Project Management & Engineering Department



MEMORANDUM

DATE: August 15, 2017
TO: Distribution
THRU:  Russell Oswald, P.E., P.L.S., Project Manager
FROM:  Melinda Tsu, P.E., Project Administrator
SUBJECT: Final Design Study Report – Executive Summary
Chester Creek Flooding, Lagoon to A Street, Project No. 14-19

In March 2017, the draft Design Study Report (DSR) was distributed. The report included alternatives to reduce the impacts of Chester Creek flooding within the project area between the Westchester Lagoon and A Street.

A summary of the alternatives identified in the draft DSR included:

Alternative 1 – (addresses flooding *upstream* of Arctic) construct a large box culvert at the Arctic Blvd crossing; add heat trace to the channel. Estimated cost is \$2.1 Million.

Alternative 2 – (addresses flooding *upstream* of Arctic) realign Chester Creek between Arctic Blvd to A St; construct fly-over bridge at W 17th Ave; relocate Valley of the Moon playground equipment. Estimated cost is \$18.0 Million.

Alternative 3 – (addresses flooding *downstream* of Arctic) Install additional culverts under Minnesota Dr and dredge sediment from the area around the Spenard Rd Bridge. Estimated cost is \$9.4 Million.

During the public involvement process stakeholders expressed interest in Alternative 2, although understood the challenge of obtaining the amount of funding. Based on the feedback PM&E received, PM&E evaluated another alternative:

Alternative 4 – (addresses flooding *upstream* of Arctic) Chester Creek realignment minimized to the creek in the vicinity of Arctic Blvd and along residential properties. The alternative still includes the fly-over bridge at W 17th Ave and relocation of the Valley of the Moon playground equipment. Estimated cost is \$9.4 Million.

Although Alternative 4 scales back the creek realignment area, the cost of this alternative (\$9.4 Million) still exceeds what would be considered realistic to secure in the near term. PM&E has reviewed all of the alternatives with respect to feasibility of funding and recommends moving forward with Alternative 1 to address the immediate flood relief needs. The community can continue to pursue funding for a full relocation in the future.

Provided for your review and comment is the proposed DSR executive summary and figures of Alternative 4. The attached is being sent electronically.

Please submit your comments to me by **Friday, August 25, 2017**. We realize this is a short timeframe. However, our goal is to move forward with survey and geotechnical field work this fall if consensus is gained.

If you have any questions, please call me at 343-8196 or e-mail me at OswaldRH@muni.org.

Attachment: Proposed final DSR Executive Summary and Alternative 4 figures

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