



CH2M
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April 5, 2022

Steven C. Parrish, P.E., General Manager/Chief Engineer
Clark County Regional Flood Control District
600 South Grand Central Parkway, Suite 300
Las Vegas, Nevada, 89106-4511

**RE: Executive Summary for the Monson Channel – Jimmy Durante to Boulder Highway
2022 Amendment to the 2018 Las Vegas Valley Flood Control Master Plan Update**

Dear Mr. Parrish:

This Master Plan Amendment (MPA) to the 2018 Las Vegas Valley Flood Control Master Plan Update (2018 MPU) was prepared by CH2M for Clark County Public Works (CCPW) to address revised facilities on the Las Vegas Wash – Branch 02 (Monson Channel) (LV02) from Jimmy Durante to Boulder Highway. The affected regional facilities were identified in the *Final Design Report for Monson Channel – Jimmy Durante to Boulder Highway*, prepared by CH2M, and their technical designs are currently under agency review. After adoption of this MPA, CCPW will proceed with applying for CCRFCD funds to construct the applicable facilities.

Clark County is currently managing the design of the Las Vegas Wash – Branch 02 – Monson Channel – Jimmy Durante to Boulder Highway project. During the design it was determined several of the existing flood control facilities shown in the 2018 Las Vegas Valley MPU do not have adequate capacity to carry the expected design flow. Based on technical detailed analysis, this MPA requests revising the sizes of proposed 2018 MPU facilities LV02 0127, 0209, 0273 and 0294. This MPA also requests adding proposed facilities LV02 0211, 0275 and 0289 to replace existing 2018 MPU facilities LV02 0210, 0274, and a portion of 0283. Note the remainder of existing facility 0283 will be revised by the MPA to correct the actual dimensions of the facility determined by field investigation. These facility changes on the LV02 alignment will result in the flood control facilities meeting the hydraulic criteria set forth in the CCRFCD Hydrologic Criteria and Drainage Design Manual (HCDDM).

The following table represents the summary of the total costs comparison of the regional facilities proposed by this MPA to replace those facilities in the 2018 MPU. Although the MPA results in increased costs, technical design shows that these revisions to the Monson Channel project are necessary to meet HCDDM hydraulic criteria.

Comparison Summary of Regional Facility Costs		
2018 MPU Total Cost	2022 Monson Channel MPA Total Cost	Difference
\$7,345,000	\$16,685,000	+\$9,340,000

Mr. Steven Parrish
MPA for Monson Channel
April 2022



This Master Plan Amendment sets forth the most effective structural and regulatory means for correcting existing problems of flooding in the area and dealing with the probable effects of future development (NRS 543.590[3]). It is recommended that this Amendment be adopted, to conform to the District's mission to *"...improve the protection of life and property for existing residents, future residents, and visitors from the impacts of flooding."*

If you have any questions, please do not hesitate to contact me at 702-545-5034

Sincerely,

A handwritten signature in blue ink, appearing to read "Steve Jones", written over a horizontal line.

Steve Jones, P.E.
Project Design Manager

Cc: Denis Cederburg, P.E. - CCPW
Jeff Griest, P.E., CFM - CH2M
Ken Gilbreth, P.E. - CH2M

