

Date: October 10, 2012

To: Commissioner Greg Hartmann
Commissioner Chris Monzel
Commissioner Todd Portune

Cc: Christian Sigman, County Administrator
Jeff Aluotto, Asst. County Administrator

From: James A. Parrott, Executive Director *JAP*

Subject: Lick Run Watershed Wet Weather Strategy - Project Construction Phasing Plan

A preliminary project construction phasing plan has been developed for the Lick Run Sustainable Infrastructure projects to be staged in a single watershed. The plan was initially conceptualized in late 2009 as part of the early planning for the watershed wet weather strategy (WWS). The watershed WWS is comprised of several subprojects, specifically the sewer separation projects and the valley conveyance system. Approximately three or four projects would be started in any particular year and most have construction durations of one year or less. Construction phasing was selected based on minimizing interferences and maximizing coordination between adjacent projects, particularly as it relates to maintenance of traffic (MOT).

Since the early planning began for the watershed strategy in late 2009, a great deal of effort and coordination with local agencies and utilities has gone into the project sequencing, to minimize project costs and community disruption. Duke Energy, GCWW, MSD, CDOTE and ODOT all have capital improvement projects that have been taken into consideration for developing the schedule, sharing of construction costs (e.g. Harrison Avenue CDOTE project and Duke gas main rehabilitation program), and maintenance of traffic during construction. The sequencing needs and impacts of these ancillary capital improvement projects were accounted for in the cost estimates presented for the Lick Run projects.

Construction of the proposed improvements will disrupt traffic movement throughout the VCS corridor and sewer separation project areas. To minimize this disruption, MSD understands the importance to maintain connectivity on Westwood and Queen City Avenues' one-way pair corridor during construction. MSD also understands the need to maintain local access to businesses and residences in the corridor to the greatest extent possible. To maintain adequate traffic flow during construction,

major roadways such as Harrison Avenue, Sunset Avenue, Quebec Road and Grand Avenue, are schedule for construction in different phases, as coordinated with CDOTE.

Typically, the details of MOT plans are further defined during detailed design stages. CDOTE continues to provide detailed reviews of the preliminary maintenance of traffic requirements and arrangements, and provides feedback on alternative approaches ranging from full road closures for short durations to one-lane closures during off peak hours. MSDGC will continue to work with CDOTE to address MOT issues to minimize traffic and community impacts.

The first Lick Run subproject to be constructed is the Harrison Phase A Sewer Separation project, which was strategically designed and bid with the CDOTE Harrison Avenue Realignment Project. This was the first opportunity within the watershed to address agency cost sharing and MOT in the long term, as approved by the BOCC in February 2012. As part of the planning for MOT, MSD has coordinated with CDOTE to not construct sewer separation projects that would affect the detour route on White Street or the alternate through route of Queen City Avenue during CDOTE's Harrison Road construction. After Harrison Avenue is reopened to traffic (expected Fall 2013), MSD anticipates that Harrison Avenue Phase B, Queen City Avenue Phase 1 and White Street will advance once Harrison Avenue is re-opened next Fall. Attached is a table of the anticipated project phases and estimated timeframes for construction that has been developed in concert with CDOTE. Should an alternative be selected, this schedule would be finalized as part of the final design.

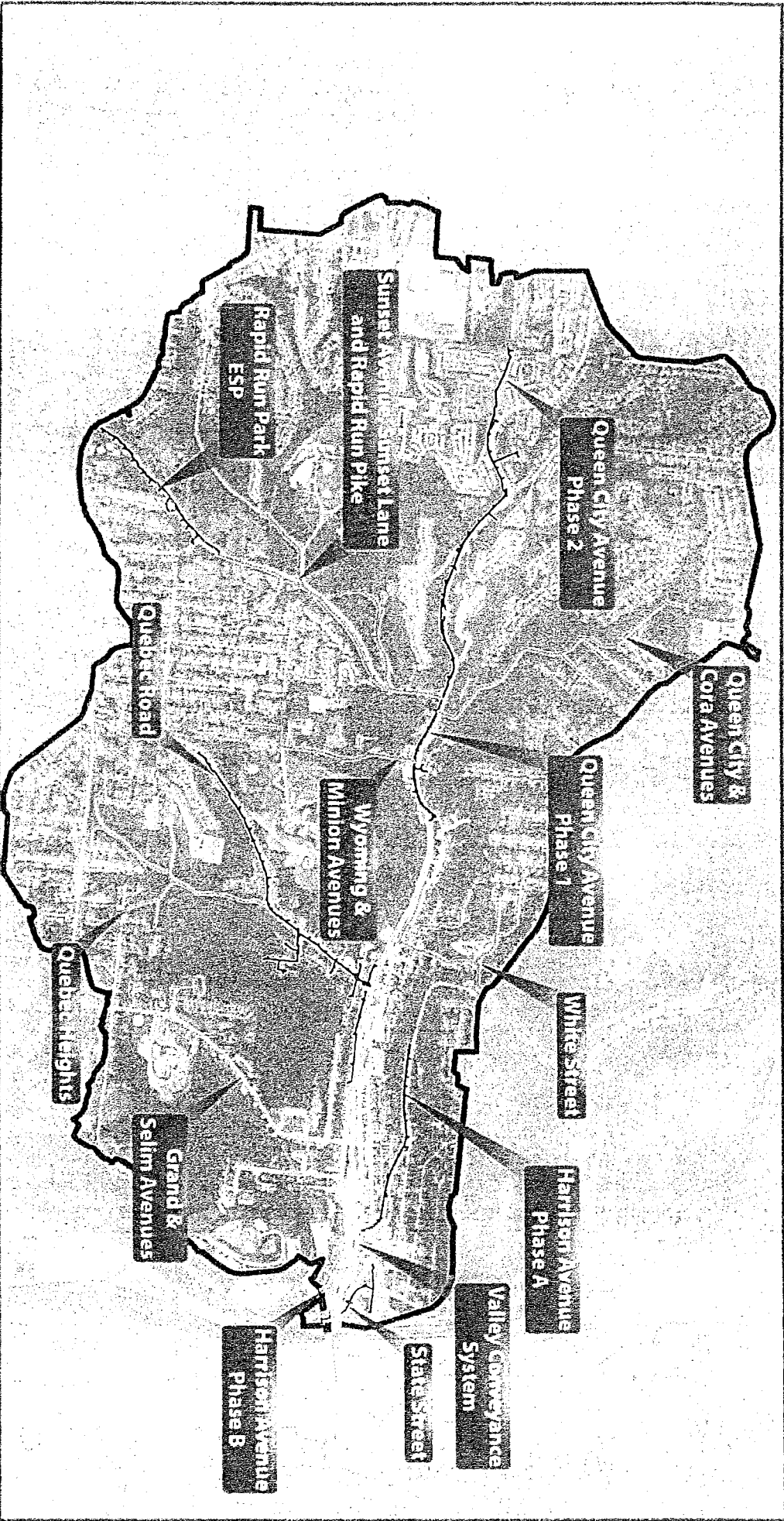
Project Phasing Plan | 2012

Proposed Construction Year	Proposed Construction Start	Proposed Construction End ¹	Project Name <i>(bolded project impacts major roadway)</i>	Project Status
2012	July 2012	September 2013	Harrison Avenue Sewer Separation Phase A ²	In Construction
2013	June 2013	December 2013	Rapid Run Early Success Project	60% Design
	December 2013	July 2014	Queen City Avenue Sewer Separation Phase 1	60% Design
	July 2014	October 2015	Sunset Avenue Sewer Separation	60% Design
2014	August 2014	August 2015	Wyoming Avenue Sewer Separation	30% Design
	August 2014	August 2015	White Street Sewer Separation	60% Design
	August 2014	August 2015	Queen City and Cora Avenues Sewer Separation	30% Design
	February 2014	August 2014	Harrison Avenue Sewer Separation Phase B ⁴	60% Design
	August 2014	August 2015	Quebec Heights Sewer Separation Phase 1 and Phase 2	30% Design
	August 2015	August 2016	State Avenue Sewer Separation	30% Design
	December 2015	December 2016	Quebec Road Sewer Separation	30% Design
2015	March 2015	August 2016	Queen City Avenue Sewer Separation Phase 2	35% Design
	August 2015	August 2016	Westwood Avenue Sewer Separation	30% Design
	December 2016	June 2018	Grand and Selim Avenues Sewer Separation	30% Design
	August 2016	August 2017	Queen City Avenue Sewer Separation Phase 3	30% Design
2016	August 2015	May 2018	Valley Conveyance System	10% Design

¹Indicates end of active construction that would impact traffic. This period is followed by up to one year of close out activities.

²Represents CDOTE schedule for Harrison Avenue work and will be refined when detailed Contractor Schedule is submitted.

CONSTRUCTION SEQUENCING



□ Watershed Boundary

Year of Construction
 ■ 2012 ■ 2013 ■ 2014 ■ 2015 ■ 2016-2018