

**Memorandum  
City of Lawrence  
Department of Public Works**

TO: David L. Corliss  
City Manager  
FROM: Mark Thiel  
DATE: January 3<sup>rd</sup>, 2011  
RE: Project No. PW0903; Kasold (23<sup>rd</sup> to 31<sup>st</sup>)  
January 4<sup>th</sup>, 2011 Consent Agenda Item – Phasing and Change Order Approval

Please include the following item on the City Commission consent agenda for consideration at the January 4<sup>th</sup>, 2011 meeting:

**Description/History.**

The Kasold Dr. reconstruction project from Clinton Pkwy to 31<sup>st</sup> was designed to be constructed in four phases. Phase 1 was miscellaneous utility relocations. Phase 2, 3 and 4 were designed to allow construction while at the same time maintain a minimum of one lane of traffic in each direction. Phase 2 is designed to construct the two eastern lanes, phase 3 the center lane and phase 4 the western lanes. (See attached phasing map)

The general contractor, King's Construction, has requested the City of Lawrence review and approve a change in the sequence of construction phasing for the Kasold reconstruction project. They are asking that they be allowed to begin phase 3 immediately upon completion of phase 1. Then proceed to complete phases 2 and 4.

Public Works has evaluated this proposal and feels that the change in phasing would be a benefit to the overall quality of the project. They will maintain a minimum of traffic in one direction each way. During phase 3 traffic would remain in the outside lanes both, one lane north and south. During phase 2 traffic would be shifted over to the current two south bound lanes, maintaining one lane in each direction. Phase 3 involves the installation of storm sewer under the center of the proposed new roadway. Phase 3 contains the majority of storm sewer that is under the pavement, a key element that has to be constructed prior to any subgrade or pavement construction. This work can proceed this time of year, whereas subgrade treatment and concrete paving cannot.

The significant benefit to the city would be a reduction in overall construction time of 3 to 4 weeks of construction. This would change the calendar completion date from December 16<sup>th</sup>, 2011 to November 23<sup>rd</sup> 2011. The cost to the city would be approximately \$40,000 for temporary pavement. The temporary pavement would be utilized to provide safe driving lanes during the construction of phase 2.

Other benefits would be having the main "trunk" line of the storm sewer constructed first. This will improve drainage during construction and will help to eliminate delays due to wet subgrade from lack of appropriate draining during construction. It will also shorten the overall length of time traffic travels in a head on or side by side fashion during phase 2. It will also eliminate the need to operate heavy construction equipment on the new pavement that will be constructed during phase 2.

**Project Funding.**

The Kasold project was awarded by KDOT in November 2010 at a cost of \$4,236,647.24. Funding is \$1,000,000 KDOT and the remaining project cost will be from the City of Lawrence infrastructure sales tax. The original project budget and engineers estimate was \$6,000,000.

**Action Request.** Authorize the changing of phasing and approve the additional \$40,000.

cc:	Cynthia Wagner	John Vannicola
	Diane Stoddard	Jason Van Nice (KDOT)
	Chuck Soules	Jonathan Douglass
	Mark Thiel	Bobbie Walthall

# Kasold -Clinton Parkway to 31st, Project Phasing

