

Meeting Agendas/Info

CITY COUNCIL
COMMUNICATION:

ITEM _____

OFFICE OF THE CITY MANAGER CITY OF DES MOINES, IOWA

01-571

SYNOPSIS -

AGENDA:

NOVEMBER 5, 2001

A change order in the amount of \$16,527.50 with M. Peterson Company (Merlin Peterson, President, 4000 Delaware Avenue, Des Moines, Iowa) for additional work on Martin Luther King, Jr. Parkway Paving - SW 2nd Street to SW 7th Street. This change order covers all costs associated with providing the following:

SUBJECT:

MARTIN LUTHER
KING, JR.
PARKWAY
PAVING - CHANGE
ORDER NO. 14

- a 300 KVA transformer pad;
- all 50mm and 100mm schedule 40 PVC conduit;
- all electrical work necessary to disconnect the overhead electric service; and
- reconnect the below ground electric service on the property owner's side of the transformer.

TYPE:

RESOLUTION
ORDINANCE
RECEIVE/FILE

This change order will also provide all of the coordination between MidAmerican Energy, the subcontractors, the property owner, and the tenants of 226 Elm Street to convert the electric distribution system from overhead to below ground on SW 3rd Street from Elm Street to Tuttle Street.

SUBMITTED BY:

FLOYD BENTZ, P.E.
CITY ENGINEER

FISCAL IMPACT -

Funding for this project is in the 2001-2002 Capital Improvement Program (CIP) Budget - Martin Luther King, Jr. Parkway - East/West Segment - Index Code 383943, Account 543060, Fund CP038, Organization ENG990000, Project/Grant STR039.

RECOMMENDATION -

Approval.

BACKGROUND -

Bids were taken by the Iowa Department of Transportation (IDOT) for the construction of the Martin Luther King, Jr. Parkway project from SW 2nd Street to SW 7th Street. The low bidder was M. Peterson Construction Company.

During the construction operations, it was discovered the existing overhead electrical distribution system located on the west side of SW 3rd Street between Elm Street and Tuttle Street was in direct conflict with the Portland Cement Concrete (PCC) paving operations. MidAmerican Energy is unable to move these electric poles and lines to accommodate the PCC Pavement without violating the National Electrical Code which requires a ten-foot separation between all overhead electric lines and existing buildings. The cost of paving SW 3rd Street adjacent to these poles by hand instead of paving with the slip-form-paving machine is an expensive proposition and is not allowed by IDOT specifications.

Therefore, in order to comply with IDOT specifications for PCC Pavement and also to comply with the National Electric Code requirements, the above ground electric distribution system must be converted to a below ground electric distribution system. Also, included is switching from Pole Mounted Transformers to Pad Mounted Transformers, and a reconstructed electrical service to 226 Elm Street. Switching from an above ground electrical distribution system to a below ground system will:

- Increase drive safety by eliminating utility poles located at the back of curb on SW 3rd Street.
- Increase driver comfort by eliminating the handwork around the utility poles.
- Improve the local aesthetics by eliminating the utility poles near Martin Luther King, Jr. Parkway on SW 3rd Street.
- Guarantee that SW 3rd Street will be completed and open to traffic this fall.

Also, on the November 5, 2001 agenda, in conjunction with this Change Order No. 14, is an Electric Distribution System Agreement between the City and MidAmerican Energy which converts the existing overhead electric lines to a below ground electrical system.
