



**CITY OF URBANA, ILLINOIS
DEPARTMENT OF PUBLIC WORKS**

ENGINEERING

MEMORANDUM

TO: Mayor Laurel Prussing and Members of the City Council

**FROM: William R. Gray, Public Works Director
Gale L. Jamison, Assistant City Engineer**

DATE: May 25, 2011

**RE: Brick Street Reconstruction
McCullough Street**

Introduction/Issues

The brick street section on McCullough Street between Main Street and Griggs Street failed during the spring thaw and is in serious need of repair/reconstruction. The west half of the street has severe rutting and the street has been closed to through traffic for several weeks. Pictures of the failed pavement are attached to this memo. As shown on the attached aerial map, the west side of the street is occupied by a multi-family apartment complex with no entrances onto the street. The east side of the street is occupied by six single family homes with three combined use driveway approaches. Griggs Street to the north is of oil and chip construction and Main Street to the south is of concrete construction.

The Engineering Division has had several cores of the pavement and sub-base performed and has evaluated the pavement sections. The Engineering Division considered alternate cross sections for reconstruction of the pavement.

Alternate 1:

Remove and replace brick using existing city stockpiles of street brick from Park Street and Goodwin Avenue. Using recent bid information for large brick pavement patches with the bricks on a sand cushion over a concrete base it is estimated that the construction cost would be on the order of \$200,000.

Alternate 2:

Remove brick and replace with new concrete pavement on an aggregate base and geotechnical fabric. Using the unit prices for the Park Street and Goodwin Avenue contract bid, the estimated cost to reconstruct the street as a concrete pavement would be on the order of \$70,000.

Because of limited funding availability and the significant backlog of street maintenance, it is recommended that the less costly Alternate 2, the reconstruction of McCullough Street from Main Street to Griggs Street as a concrete pavement be approved. The reconstruction of the street section in concrete is compatible with the construction at the intersections with Main Street and Griggs Street.

Fiscal Impact

Because the failure of the street section was not anticipated nor in the Capital Improvement Plan for reconstruction in the next 10 years, no funds are or were proposed to be budgeted for this work. To complete the reconstruction of the street a budget amendment will be required to allocate the funds. The recommended source of funding would be the local Motor Fuel Tax fund. Because of the limited funds available for street maintenance, it will likely be necessary to defer a scheduled street maintenance project to a future period.

Council Action

Because the recommended reconstruction is counter to the declared City policy that the City's remaining brick streets and sidewalks be preserved and maintained, we ask that the Council endorse the proposed reconstruction by motion.





502

402

Griggs St

212

409

213

502

N McCullough St

210

211

208

209

206

207

204

408

406

404

402

501

N McCullough St

419

417

415

413

409

W Main St



1 inch = 60 feet