

City of Marion

2008 Engineering Work Program

To: City Manager, Mayor, and City Council

From: Dan D. Whitlow, P. E., City Engineer

Date: 3/31/2008

Re: Proposed 2008 Work Program

29th Avenue Extension Project

Total Budget = \$5,225,000 as follows:

FY 06 ICAAP - \$400,000.00 FY 06 STP - \$928,274.00 FY 05 BOND - \$200,000.00

FY 07 STP - \$1,000,000.00 FY 08 STP - \$1,071,726.00 FY 07 BOND - \$1,625,000.00

The project will include the construction of PCC pavement and bridge across Indian Creek from 10th St. to Indian Creek Rd.

A Public Advisory Resource Committee (PARC) was formed to assist with the development of public information meetings, meetings with Linn-Mar Schools, development of a project tracker web site, and presentations to City Council.

Council approved a contract with Shive-Hattery Engineers for project development including site studies, permitting, right-of-way acquisition, and construction plans for the project.

The consultant has completed the environmental, archeological, soils studies, permitting, preliminary design, and preliminary construction plans.

The current schedule calls for the completion of right-of-way acquisition, final bridge design, and construction plan approval by late summer 2008. An IDOT letting is scheduled for November 2008 with construction on the bridge to begin within 60 days.

Construction is expected to be completed in 2009.

2008 Misc. Street Repair - HMA Resurfacing Project

Budget = \$400,000

The project will include the overlay of various approved street locations. A new strategic plan has enabled staff to recommend two years of street locations to facilitate a timely letting of these projects.

Locations scoring high on the Pavement Management System and recommended by staff include: 5th Avenue from 1st Street to 11th Street; 13th Street from 10th Avenue to 11th Avenue; 25th Street from 8th Avenue to 10th Avenue; Parkview Drive from West 8th Avenue to West of Elm Street; 29th Street from 15th Avenue to McGowan Boulevard.

Construction is expected to be completed in 2008.

2008 Curb Replacement Project

Budget = \$65,000

The project will include the reconstruction of curb sections on the south side of 6th Avenue from 1st Street to 6th Street.

Construction is expected to be completed in 2008.

McGowan Boulevard – Phase I Project

Budget = \$820,000

The project will include the reconstruction of 10,400 SY of PCC pavement (33' B-B), 1,520 SF of sidewalks, 1,040 SY of driveways, 4,390 LF of sub-drain, and 1,300 LF of storm sewer with intakes and manholes from 10th Street to Maplecrest Drive.

Construction is expected to be completed in 2008.

East Post Road Erosion Control Project

Budget = \$24,000 of remaining project funding.

The original project included the reconstruction and widening of East Post Road Project from Cottage Grove Road to Highway 100.

The project was let by the IDOT and administrated by Linn County. The IDOT does not require or allow the jurisdiction to obtain a maintenance bond from the prime contractor.

Since the completion of the project, the region has experienced very dry weather and the erosion control (grass) has not been able to establish. This has allowed the disturbed areas to erode and silt to leave the project area.

The project is proposed to provide for repairs of the eroded areas and attempt to reestablish the grass in the lawn areas. Staff has reseeded the lawn areas and has been evaluating the eroded areas and possible solutions that would minimize disturbance of already established areas.

Reconstruction of eroded fore and back slopes is expected to be completed in 2008.

Boyson / Alburnett Road Traffic Signal Project

Budget = \$701,000

A successful application for the 2007 Iowa Clean Air Attainment Program (ICAAP) regarding the Boyson / Alburnett Road Traffic Signal Project received partial funding of \$300,700. Total project cost is estimated to be \$701,000. The remainder of the project costs will come from General Obligation Bonds for "Traffic Signals - various locations".

The improvements to the intersection of Boyson Road and Alburnett Road would address significant changes in traffic patterns due to the construction of Oak Ridge School on North Alburnett Road. East bound traffic turning left is causing congestion because of the lack of a dedicated left turn lane.

Funding will be available in October of 2008 and therefore staff anticipates proceeding with a design consultant at that time with construction in 2009.

2009 Curb Replacement Project

Budget = \$75,000

Staff will begin development on this annual program at the end of this Work Program with a tentative 2009 letting and construction.

2009 Misc. Street Repair - HMA Resurfacing Project

Budget = \$400,000

Staff will begin development on this annual program at the end of this Work Program with a tentative 2009 letting and construction.

7th Avenue HMA - 1st to 13th Project

Budget = \$435,000

The 7th Avenue HMA Project from 1st Street to 13th Street will include the asphalt overlay of 7th Avenue full width.

Depending on the determination of the scope and timing of the CBD Streetscape Project the limits of the HMA project may be scaled back to not overlap.

Construction is expected to be completed in 2009.

31st Street Extension Project

Budget = \$350,000

The 31st Street Extension Project includes the City's portion of paving for 31st Street from Highway 100 to 1st Avenue at the time when the adjacent developer does so.

Construction schedule will be dependent on adjacent development.

29th Avenue Paving Phase IV Project (McMillen)

Budget = \$370,000

The 29th Avenue Paving Phase IV (McMillen) includes the City's portion of paving the south 25 feet of 29th Avenue adjacent east of 44th Street. The funding is adequate to cover costs if the property is dedicated to the City as park lands.

Construction schedule will be dependent on adjacent development.

29th Avenue Paving Phase V Project (REC)

Budget = \$170,000

The 29th Avenue Paving Phase V (REC) includes the City's portion of paving the north 25 feet of 29th Avenue adjacent to the REC Basin property east of 44th Street at the time when the adjacent developer does so. The funding is adequate to cover costs when the property is dedicated to the City for the construction of a detention basin.

Construction schedule will be dependent on adjacent development.

2008 Storm Sewer / Drain Tile Project

Budget = \$150,000

Staff has begun development on this annual program.

The project includes replacement or installation of storm sewer manholes, manhole repairs, sewer main point repairs and associated full depth PCC patching at various locations.

Squaw Creek Wetland Reseeding Project

Budget = \$8,000

Staff continues to prepare plant species identification reports for the wetlands that were mitigated during the construction of the 44th Street Bridge. Past reports have revealed the lack of establishment of certain plant species.

Staff has struggled to find a contractor interested in doing this type of work and a dry period to allow the work to be performed.

The project will include the reseeded of the wetland area with appropriate species to meet the mitigation requirements.

Construction is expected to be completed in 2008.

5th Ave / 16th St Storm Sewer Project

Budget = \$300,000

The project will include the reconstruction of storm sewers in the 5th Avenue / 16th Street area.

Construction is expected to be completed in 2009.

2009 Storm Sewer / Drain Tile Project

Budget = \$150,000

Staff will begin development on this annual program at the end of this Work Program with a tentative 2009 letting and construction.

REC Detention Basin Project

Budget = \$78,500

Staff has completed development of this project with survey and design to construct a regional basin on property to be dedicated REC property.

Evaluation of the site has revealed that the basin would better serve the region if additional area to the west can be obtained.

REC has recently proposed to grade the basin area to provide for the placement of excavated soils on their proposed building site to the east. Council approval was received on March 1, 2007 for an agreement outlining the dedication of the 5.78 acres at some future date.

Construction schedule will be dependent on adjacent development.

29th Avenue / Squaw Creek Culvert Project

Budget = \$165,000

Staff has completed development of this project with survey and design to replace existing culverts under 29th Avenue on Squaw Creek. Replacement of the culverts will require raising the profile of 29th Avenue approximately 3 feet in the area near the culverts. Coordination with the grading and paving of 29th Ave. would reduce the disruption to traffic on 29th Ave.

Construction schedule will be dependent on adjacent development.

2008 Misc. Sanitary Sewer Slip Lining Project

Budget = \$125,000

The project includes the slip lining of sanitary sewer in various locations in Marion.

The project will be jointly contracted with the City of Hiawatha and will be administrated by the City of Marion with reimbursements at completion of the project.

Construction is expected to be completed in 2008.

2008 Misc. Sanitary Sewer Repairs

Budget = \$75,000

Staff has begun development on this annual program.

The project includes replacement or installation of sanitary sewer manholes, manhole repairs, sewer main point repairs and associated full depth PCC patching at various locations.

Construction is expected to be completed in 2008.

Brookside Drive Sanitary Sewer Project

Budget = \$346,550

This project will include the extension of sanitary sewer to the existing homes on Brookside Drive per an agreement approved in 2005.

Each resident will be responsible for annexation and sewer service hookup when their septic tanks fail.

A contract has been approved with Rathje Construction and construction is expected to begin soon.

Brookside / Indian Creek Bank Stabilization Project

A separate contract is anticipated to provide for the restoration of the creek crossing to better meet the requirements of the permits.

The work will proceed at the conclusion of the sanitary sewer installation.

2009 Misc. Sanitary Sewer Repairs

Budget = \$200,000

Staff will begin development on this annual program at the end of this Work Program with a tentative 2009 letting and construction.

2008 Misc. Sidewalk Assessment Project

Budget = \$38,000

The project will include the construction of sidewalks in Lininger Park, which will connect to the sidewalk that was installed last year along the north side Central Avenue; the west side of 44th Street, just north of McGowan Blvd.; and the south side of 29th Avenue between 5th Street and 7th Street, in front of the detention basins.

Construction is expected to be completed in 2008.

2008 Sidewalk Repair Program

This program, occurring in even calendar years, provides for the inspection of one half of Marion City Limits to evaluate code compliance of public sidewalks and to notify owners and correct deficiencies.

This year staff will inspect an area roughly north of Marion Blvd. / 7th Avenue west of 10th Street and north of McGowan Blvd. east.

2009 Misc. Sidewalk Assessment Project

Budget = \$38,000

Staff will begin development on this annual program at the end of this Work Program with a tentative 2009 letting.

Squaw Creek Wetland Mitigation Project

Staff continues to prepare plant species identification reports for the wetlands that were mitigated during the construction of the 44th Street Bridge.

Reporting will need to continue for 2008 when reporting is proposed to end if location acceptance can be obtained.

GPS Structure Location Survey

Budget = \$150,000

The project includes the continuation of location surveys of infrastructure (storm, sanitary, water).

Completion is anticipated in 2008.

U-Haul Site Testing

Apex Environmental has completed annual testing of water quality wells to possibly obtain a "no further action" for the site. Testing will continue until this is reached.

ADDITIONAL MAJOR PROJECTS TO BE CONSIDERED

- Alburnett Road HMA Overlay P-3
- Winslow Road HMA Overlay

2008 ACTIVE / PROPOSED SUBDIVISIONS

Artesian/Echo Hill Road Improvements	9% complete
Bowman Woods Unit 33 – 1 st Addition	98% complete
Champion Estates 2 nd Addition	85% complete
Echo Hill 1 st Addition	19% complete
Edgebrooke 6 th Addition	99% complete
Highview 2 nd Addition	10%complete
Hunters Creek 2 nd Addition	0% complete
Linn Mar Sanitary and Water Main Extension	97% complete
Linn Meadows 2 nd Addition	95% complete
Prairie Bend 1 st 2 nd and 3 rd Additions	100% complete
Prairie Bend 4 th Addition	85% complete
REC 2 nd Addition	50% complete