

# Department of Public Works

## Impact report for Orchard Park Development

### Revenues

The City's Major Street Fund receives \$1,245,000.00 from Act 51 to maintain 39.64 miles of major roads. This does not take into consideration two lane and four lane segments of street. Act 51 is providing \$31,400.00 per mile of major street. This being the case, we can assume for every mile of major public streets gained from the Orchard Park Development that the Act 51 contribution will increase accordingly. We are estimating five miles of new major streets equaling \$157,000.00. Further investigation into Act 51 adjustments should be confirmed to insure accuracy. Amounts distributed to local units may vary according to revenues received from gas taxes by the State of Michigan.

### Expenses

Major Street Expense Fund is \$1,591,328.00 minus project funds of \$165,000.00, which leaves us with \$1,426,328.00. What this all means is we are spending \$36,000.00 to maintain 1 mile of major streets, \$4,600.00 more than what Act 51 is funding. Additional maintenance costs funded by the City of Walker is estimated at \$23,000.00 for 5 miles of new major streets.

Maintenance referred to in the above information would be at the same service level the City of Walker currently provides which includes the following:

- Catch basin cleaning @ three year intervals
- Street sweeping two times per year
- Pavement markings
- Pavement maintenance
- Snow removal
- Roadside mowing two times per year using a brush hog (not a finish mower)
- Maintenance of storm sewer in street ROW
- Sign maintenance

We are making a few assumptions, as we consider the maintenance of this development:

- If the Developer were requesting finish mowing in Parkways, the Developer would have to provide the means to do so or pay the City to complete this work..
- Others will maintain irrigation and landscaping in ROW.
- Some maintenance may need to be performed during off hours because of the nature of the work and traffic concerns, increasing the City's costs.

Department of public works staffing size is based on what it takes to perform major snow removal. With the addition of major streets into the City's system and the widening of existing streets (Walker/Bristol), major street snow removal will require additional time affecting our staffing level. We will have to evaluate staffing as the project develops. Wage and benefits for one position would be in the area of \$40,000.00 per year.

### **Concerns**

- Bristol between 3 Mile and 4 Mile on future improvement.
- Impact on future road maintenance fund.
- Construction impact on the existing street system.
- Additional future traffic impact on DPW ability to perform maintenance during working hours, some of our maintenance may need to take place when traffic volumes are lower, early in the morning or at night.

### **Roundabouts and Boulevards**

At this point, we understand the benefit of the roundabouts and if the city moved ahead with the roundabouts, we would anticipate being part of the design process relating to the maintenance for our department.

We have been asked to keep an open mind about roundabouts in regards to maintenance and snow removal. We are in the process of communicating with other communities who have experience with roundabouts to educate ourselves.