

The Harfan Infrastructure Management Approach (HIMA™)

We are offering you:

An innovative management approach that could be done in partnership with your engineering department or your local engineering firm, that will help you:

- Take control of your infrastructures.
- Have a clear Business Plan.
- Know the impacts of your investment on the reliability of your infrastructure systems.
- Reduce citizen complaints about your infrastructure systems performance.
- Improve the level of service you provide to your citizens, within your budget constraints.
- Predict the service life of your assets and optimize their life cycle.
- Adjust rates to meet future infrastructure needs.
- Save 15% of your capital expenditures annually.
- Reduce by 50% the duration of your capital planning process.

What's in it for the city ?

- Have a tool to defend your capital budget to council sitting on a scientific approach and give elected officials arguments and munitions to explain their capital plan to the citizen.
- Get the right funding to upgrade and maintain your assets.
- Prioritize which work should be done based on precise mathematical algorithm.
- Make sure your assets will sustain for generations to come.

KNOW

THE IMPACTS
OF YOUR

INVESTMENT
ON

THE RELIABILITY
OF YOUR

INFRASTRUCTURE
SYSTEMS

Typical project outputs with the city

- Optimization plan for data collection (minimum required for decision making).
- Crystal clear knowledge of the condition of assets and their rate of deterioration.
- Determine the optimum improvement and level of funding required.
- Build capital investment scenarios considering the available funds vs assets current and future condition.
- Knowing : Where, When, How, and How much to invest for capital, planning?

Benefits for the city

- System-wide analysis results in cost savings:
 - More Rehabilitation, Less replacement (1\$ for 10\$ ratio)
 - Lower O&M cost.
 - Integration: act on many infrastructure systems - get a minimum of 15% in savings in coordinating improvements .
- Minimize costly emergency repairs.
- Provide higher level of service to citizen.
- Optimize capital and operating expenditures.
- 20 - 30% reduction of life cycle cost.



OVERVIEW