



IT Transformation

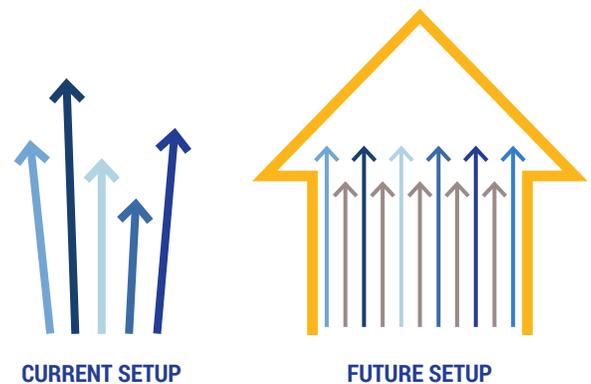
Positioning the Critical Infrastructure Assets for the 21st Century

- The City of Lincoln will have the best public asset management system in Nebraska
- Modern, powerful, a generational leap forward
- Better, consistent, smarter

Asset Management

Our new information technology system will enable the city to combine five non-compatible public works tracking programs into a single program.

- *The transformation of our Public Works and Utilities information technology infrastructure to a single system will give the city unparalleled real-time knowledge of the condition of our critical infrastructure.*



Functional Groups to be Managed with Beehive

The Beehive system will manage nine new functional groups, including the Parks & Recreation Department, which does not currently have an asset management system.

- | | |
|--------------------------------|-------------------------------|
| • Water Distribution | • Signals |
| • Wastewater Collection | • Sidewalk |
| • Watershed Management | • Signs |
| • Wastewater Treatment | • Public Access/E311* |
| • Water Production & Treatment | • Parks-Trees* |
| • Fleet | • Parks-Land & Easements* |
| • Solid Waste* | • Parks-Facilities* |
| • Facilities | • Parks-Trails* |
| • Pavement | • Parks-Parkland Use* |
| • Street Operations | • Parks-Public Art* |
| • Conduit/Fiber | • Parks-Tributes & Memorials* |

* denotes added management capacity

The Beehive system enables the city to more proactively manage the life cycle for our infrastructure rather than continuously reacting to repairing damages.

More of the city's staff will interact with software system, and this will ensure employees gain greater recognition for their work.



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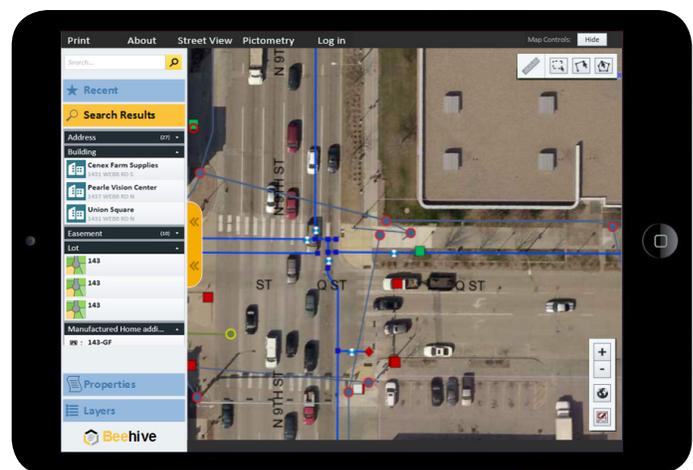
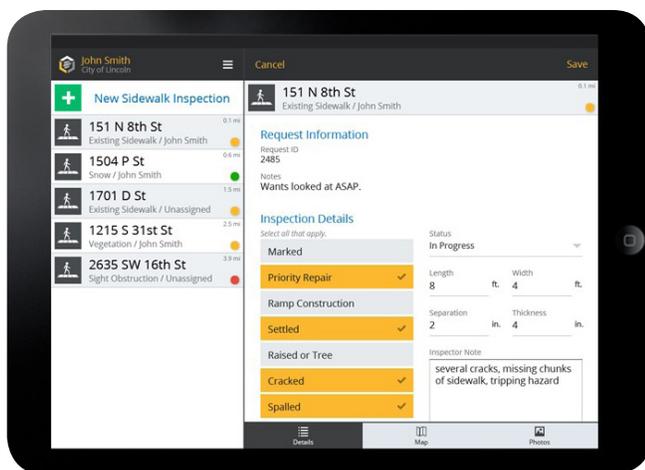
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Clarity in Decisions

Lincoln's patchwork of current infrastructure tracking software makes it very difficult to gain a comprehensive view of the status of all city assets.

The Beehive system removes data gaps and provides more precision in status of all management assets.

The new system creates a better environment for information sharing and breaking down organizational silos within the department to provide advanced business intelligence.



The Beehive Asset Management System will help manage city assets from 22 functional groups, including sidewalks (left), as well as offer a comprehensive view of all the managed assets (right).



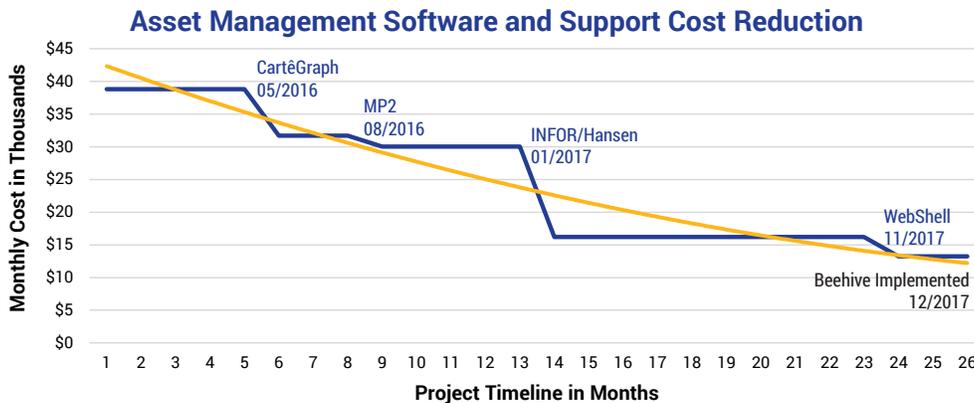
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Cost Savings

The city achieves a significant cost savings with this one system that covers 22 functional groups, versus the price of multiple systems, which collectively covered only six functional groups.



This system will better help our staff track their time and allow the department to have more precision in managing its costs.

Consolidating our operational systems to a single information technology solution creates a significant cost savings for our residents and a more efficient use of our assets.

- *This solution genuinely enables the city to do more with its infrastructure investments with less money for management costs.*

Current Costs of Asset Management Software				
Software	Annual Mtnce	Hardware	Support	Upgrade
Hansen	\$ 55,000	\$ 8,132	\$ 102,498	\$ 1,066,827
CarteGraph	\$ 36,653	\$ 10,112	\$ 24,184	\$ 792,000
Beehive	\$ 47,000	\$ 0	\$ 0	\$ 0
MP2	\$ 8,000	\$ 4,250	\$ 7,875	\$ 1,066,828
Web Shell	\$ 23,976	\$ 0	\$ 11,460	\$ 300,000
Total	\$ 170,629	\$ 22,494	\$ 146,017	\$ 3,225,655
4-Year Total				\$3,564,795

Costs of New Asset Management Software Contract				
Software	Annual Mtnce	Hardware	Support	Upgrade
Beehive	\$ 168,594	\$ 0	\$ 0	\$ 1,290,551
Total	\$ 168,594	\$ 0	\$ 0	\$ 1,290,551
4-Year Total Savings				\$1,768,462

The new asset management software contract will save \$1,768,462 over four years!





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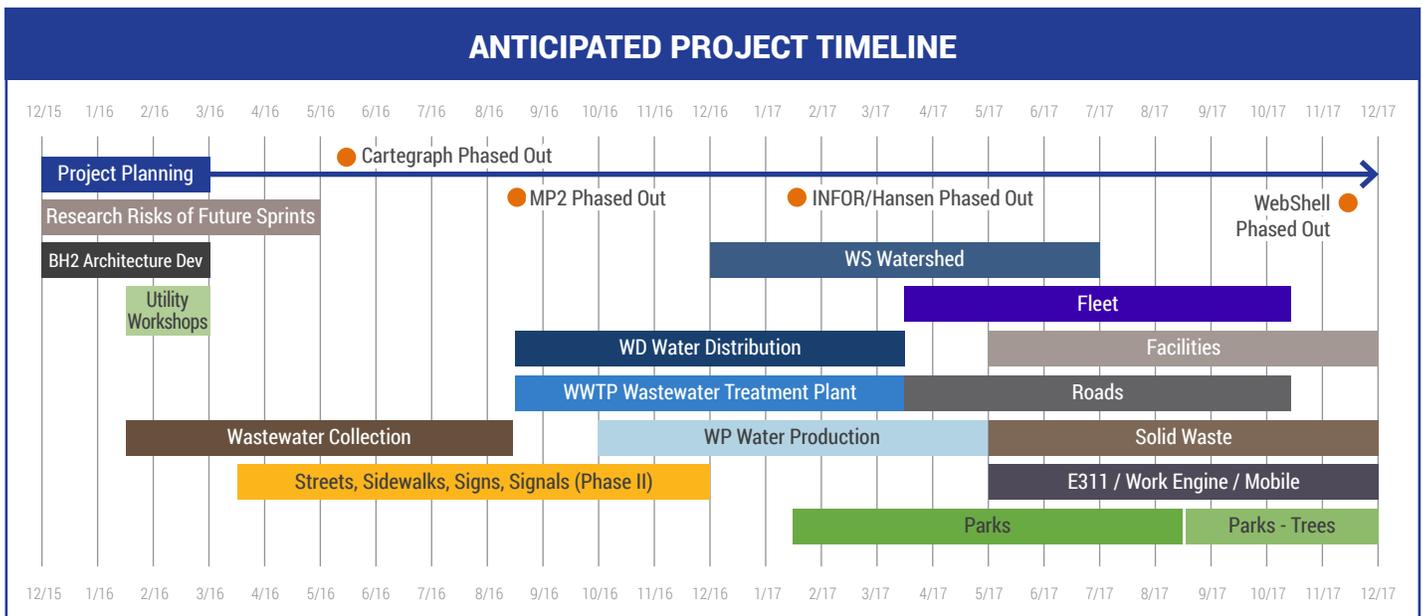
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Implementation

The Beehive system is already being used within the department.

Additional functional groups will be incrementally added to the Beehive system as the existing systems are phased out.

It is anticipated that all 22 functional groups will be fully operational by the end of 2017.





Electronic Records Management

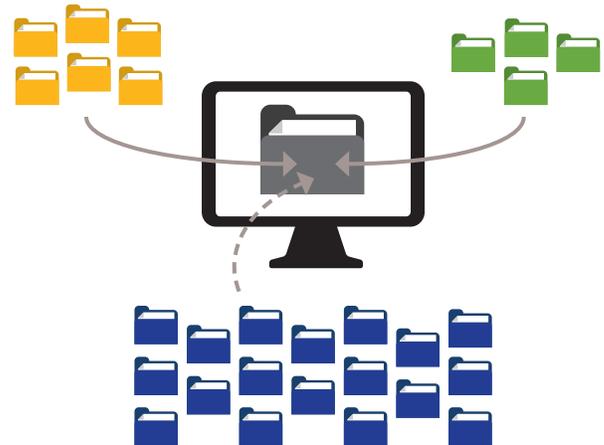
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A More Efficient System

The Department of Public Works and Utilities has leveraged the state's record system, OnBase, to more efficiently and effectively store department project records.

- Six initiatives of the Department, including Accela, have already been incorporated into OnBase.
- Four initiatives are in the process of being incorporated into OnBase.
- An additional 18 initiatives have the potential to be incorporated into OnBase.



Return-on-Investment Projection for Contract Execution in Engineering Services

CURRENT ANNUAL COST	\$124,755
ELECTRONIC RECORD SYSTEM INITIAL INVESTMENT	\$129,234
NEW ANNUAL COST	\$32,486
ANNUAL SAVINGS	\$92,270
PAYBACK PERIOD (IN YEARS)	1.4

Over the next two years, the Department plans to invest \$315,000 each year to incorporate additional department initiatives into OnBase.

- This investment will make records readily available and searchable.
- The Department has more than 1 million records today. This total is expected to grow to 3 million by 2020.

The Department will create a new Records Manager position, which will be responsible for creating and implementing data storage policies across the department.