Project Description Worksheet

Project Name

Silo Site

Location

SW corner of State St Bridge and Fox River



Project Scope

The Village has been working on the concept of the silo re-use with the Fox Valley Park District. The silo's enhancements would include restoration/repairs, painting of the exterior, a deck near its base, and a lighting element to make it more prominent at night. The surrounding area could be enhanced with an outdoor seating area, a kayak launch at the river and additional landscaping. In addition, new paths would be built to connect the seating area and silo to the riverfront, Harner's, the adjacent public parking lot and the Fox River Trail.

Justification & Comments

The initial engineering and concept design was completed and presented to the Village Board at the March 19, 2018 C.O.W. meeting. On August 6, 2018 the Village Board approved the engineering design and construction management proposal for the structural repairs to the silo. On December 17th, 2018 the Village Board selected lighting options for the silo. Initial bids were high and staff has been working to value engineer the project.

Impacts on Operating Budgets

The estimated annual operating cost of maintaining a refurbished silo and providing illumination would depend on the type of lighting implemented and the maintenance costs associated with that enhancement but could be \$10,000 annually.

Cost & Funding											
Project Costs	2022-23	2023-24	2024-25	2025-26	2026-27	Future Years	Total				
Engineering	-	-	-	-	-	TBD	-				
Restoration & Illumination	-	-	-	-	-	TBD	-				
Kayak Launch	-	-	-	-	-	TBD	-				
Deck Base	-	-	-	-	-	TBD	-				
Pathway Improvements	-	-	-	-	-	TBD	-				
Miscellaneous Improvements	-	-	-	-	-	TBD	-				
Construction	-	-	-	-	-	TBD	-				
Total	-	-	-	-		-	-				

Funding Sources	2022-23	2023-24	2024-25	2025-26	2026-27	Future Years	Total
United TIF	ı	ı	-	1	1	TBD	1
Grants	-	-	-	-	-	TBD	-
Total	-	-	-	-	-	-	-

Project Description Worksheet

Project Name

Intersection of Airport Road/Route 31

Location

Intersection of Airport Road/Route 31



Project Scope

The intersection geometrics have been redesigned to accommodate the appropriate curves at the intersection corners, which will alla additional clearance between the turning trucks, edge of pavement and opposing traffic. The adjacent sidewalk will need to be modif maintain both pedestrian crossing across IL Route 31 and the bus stop pad. With the extension of the sidewalk a new pedestrian cros implemented across Airport Road. The geometric improvements to the intersection will require that the existing traffic signal be more of the existing signal will not be reused and the existing installation does not meet the current IDOT of federal signal head standards, equipment should be used. The cost of the project also includes use of temporary signals. Pedestrian signals should be provided whe signal is modified.

Justification & Comments

The subject intersection is signalized where Airport Road tees into IL Route 31 (from the west). Airport Road indirectly connects with through the use of Alder Dr. The intersection serves the Tollway Park of Commerce and PACE bus route 802 which runs on Airport Rc Route 31. The intersection geometrics do not allow for fluid movement of truck traffic to/from IL Route 31. More specifically, the ea southbound right-turn for semi-trucks cannot made if there are vehicles present in the northbound left turn lane. Semi-trucks cannot northbound left turn from IL Route 31 to westbound Airport Road if vehicles are queued in the eastbound left turn lane.

Impacts on Operating Budgets

This project is not anticipated to significantly impact the annual operating budget.

Cost & Funding											
Project Costs		2022-23	2023-24	2024-25	2025-26	2026-27	Future Years				
Engineering		70,000	82,000	-	Ī	ı	-				
Construction		-	270,000	-	ı	ı	-				
Temporary Traffic Signal Install		-	65,000	-	1	1	=				
Permanent Traffic Signal Install		-	315,000	-	ı	1	=				
Т	otal	70,000	732,000	-	-		-				

Funding Sources	2022-23	2023-24	2024-25	2025-26	2026-27	Future Years
United TIF Fund	70,000	732,000	ī	-	-	-
Total	70,000	732,000	ı	1	•	•



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Randall Road and and IL stbound to make the

Total
152,000
270,000
65,000
315,000
802,000

Total
802,000
802.000

Project Description Worksheet

Project Name

Route 31 Sidewalk Extension

Location

Various Locations along Route 31



Project Scope

The project entails the installation of concrete sidewalk along Route 31 in locations where gaps exist. This also includes restoration of grass and paved areas adjacent to the sidewalk installation. Six gaps exist for a total length of 2,500 feet.

Justification & Comments

Route 31 through the Village has a significant amount of pedestrian activity due to the retail, restaurant, library, and senior housing along the corridor. At times pedestrians are seen walking in the street due to no existing walking routes along sections of the corridor. Though the roadway is under the jurisdiction of the State, they do not have funding for the installation of sidewalk along State routes. The Village installign the sidewalk will improve safety for pedestrians and improve access to Village businesses. Engineering is planned to be completed by Village staff.

Impacts on Operating Budgets

This project is not anticipated to significantly impact the annual operating budget.

Cost & Funding										
Project Costs	2022-23	2023-24	2024-25	2025-26	2026-27	Future Years	Total			
Construction	150,000	100,000	-	-	-	-	250,000			
Total	150,000	100,000	-	1	ı	ı	250,000			

Funding Sources	2022-23	2023-24	2024-25	2025-26	2026-27	Future Years	Total
United TIF Fund	150,000	100,000	-	-	-	-	250,000
Total	150,000	100,000	-	-	-	-	250,000

Project Description Worksheet

Project Name

Riverfront Park

Location

Between the Village Hall and Fox River Trail



Project Scope

On behalf of the Village, Teska and Associates created the Riverfront Park Landscape Master Plan in 2017. The enhancements are designed to help utilize the park for a community gathering space as well as offer amenities for passive recreational uses. The project includes options such as creating a public seating/viewing plaza, entertainment pavilion, boardwalk, pathways, public art improvements, hillside seating and upgrades to the Water Wonders feature currently in the park.

Justification & Comments

This project coincides with the Village's strategic plan goals to make improvements to Riverfront Park and create a community focal point near the Fox River. The park has been recently utilized for Independence Day Fireworks, North Aurora Days events and NOARDA Rythm on the Riverfront - Concerts in the Park. Phase One of the Riverfront Plan includes the design and implementation of the park plaza, which is intended to create an enhanced entrance to the park a space that's mindful of the natural site features, with fluid lines meandering through the park connecting various nodes and comfort features. Features would include a fireplace, fishing pole holders, stone seat walls, tables and chairs and boulder outcroppings.

Impacts on Operating Budgets

The Village anticipates the maintenance costs for improvements to Riverfront Park to be approximately \$10,000 annually depending on the improvements and features to be included, as well as upkeep and maintenance, and annual costs could trend to be more.

	Cost & Funding											
Project Costs		2022-23	2023-24	2024-25	2025-26	2026-27	Future Years	Total				
Engineering		67,000	50,000	-	-	-	15,000	132,000				
North Plaza/Parking Lot Updates		450,000	-	-	-	-	-	450,000				
Boardwalk		-	-	ı	-	-	770,000	770,000				
Hillside Seating		-	Ü	45,000	ı	-	-	45,000				
South Plaza/Pavilion		-	1	500,000	1	-	-	500,000				
Water Wonders Improvements		-	-	-	-	-	150,000	150,000				
Public Art Enhancements		-	-	-	-	-	50,000	50,000				
Miscellaneous Improvements		-	-	-	-	-	200,000	200,000				
	Total	517,000	50,000	545,000	-	-	1,185,000	2,297,000				

Funding Sources	2022-23	2023-24	2024-25	2025-26	2026-27	Future Years	Total
Capital Fund	517,000	50,000	295,000	1	-	200,000	1,062,000
Grants	-	-	-	-	-	820,000	820,000
NOARDA	-	-	-	-	-	165,000	165,000
Other	-	-	250,000	-	-	-	250,000
Total	517,000	50,000	545,000	-	-	1,185,000	2,297,000

Project Description Worksheet

Project Name

Fox River Dam Removal

Location



Project Scope

The Illinois Department of Natural Resources (IDNR) is providing funding for an initiative to remove dams throughout the state on impaired waterways. The IDNR believes removing dams on the Fox River will increase safety, reduce pollution and increase the river's biodiversity. This project includes engineering and would reveal the impact of removing the Fox River dam in North Aurora on adjacent properties, the former mill race that runs next to the Village Hall, North Aurora Riverfront Park and North Aurora Island Park.

Justification & Comments

This project includes partnership with the Fox Valley Park District and the IDNR as subject to an intergovernmental agreement approved on 1-5-15. The engineering for the project cannot begin without a formal resolution passed by the Village and the Park District. Per the agreement, an additional resolution from the Village and Park District is needed before the IDNR would demolish the dam. Project viability is subject to availability of IDNR funds.

Impacts on Operating Budgets

This project is not anticipated to signficantly impact the annual operating budget once completed.

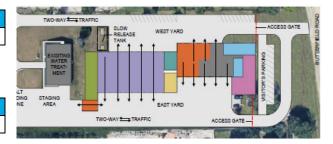
Cost & Funding										
Project Costs	2022-23	2023-24	2024-25	2025-26	2026-27	Future Years	Total			
Engineering	-	-	-	-	-	500,000	500,000			
Dam Removal	-	-	-	-	-	2,500,000	2,500,000			
Contingencies	-	-	-	-	-	-				
Total	-	-	-	-	-	3,000,000	3,000,000			

Funding Sources	2022-23	2023-24	2024-25	2025-26	2026-27	Future Years	Total
Capital Fund	-	-	-	-	=	-	ii.
IDNR Funding	-	-	-	-	-	3,000,000	3,000,000
Total	-	-	-	-	-	3,000,000	3,000,000

Project Description Worksheet

Project Name

Public Works Facility Expansion



Location

314 Butterfield Road

Project Scope

Architectual design, engineering design, and construction management services and the construction of an expanded Public Works Facility at the existing site.

Justification & Comments

The existing Public Works facility is undersized for the current and future needs of the department. Additional interior parking for vehicles and equipment, staff facilities, and storage is necessary to continue to provide services in an efficient and cost effective manner. Funding sources will be determined as design development commences but could include a combination of capital fundreserves and bonds payable with existing revenue sources

Impacts on Operating Budgets

An expanded facility including new offices, garage space and other storage facilities will result in additional annual maintenance costs. It is anticipated that these costs could be about \$50,000 in maintenance, repairs, and utilities.

Cost & Funding										
Project Costs	2022-23	2023-24	2024-25	2025-26	2026-27	Future Years	Total			
Architectual Design	773,595	187,500	-	1	1	-	961,095			
Site Development Design	120,000	50,000	-	-	-	-	170,000			
Preconstruction Services CM	60,000	-	-	1	1	-	60,000			
Construction	-	15,000,000	-	-	-	-	15,000,000			
Te	otal 953,595	15,237,500	-	-	-	-	16,191,095			

Funding Sources	2022-23	2023-24	2024-25	2025-26	2026-27	Future Years	Total
Capital Fund	893,595	TBD	-	-	-	-	TBD
Waterworks Fund	-	TBD	-	-	-	-	TBD
Sanitary Sewer Fund	-	TBD	-	-	-	-	TBD
Bond Proceeds	-	TBD	-	-	-	-	TBD
Total	893,595	TBD	-	-	-	-	TBD

Project Description Worksheet

Project Name

Orchard Gateway Blvd. Roadway Improvements

Location

Orchard Gateway Blvd. (Orchard Rd. to Randall Rd.)



Project Scope

The project includes pavement rehabiliation of Orchard Gateway Boulevard from Orchard Road to Randall Road. The scope also includes the installation of a traffic signal and roadway widening at the intersection of Hansen Boulevard and Orchard Gateway Boulevard. Additional work in the program may include storm sewer repair, curb repair/installation and sidewalk repair/installation.

Justification & Comments

Orchard Gateway Boulevard will be due for pavement rehabiliation based on the existing and expected deterioration. At the intersection of Hansen Boulevard and Orchard Gateway Boulevard there is an existing four-way stop which experiences heavy traffic volume and has had a significant amount of accidents the past few years. A traffic signal is warranted for this intersection which will help improve traffic flow as well as safety.

Impacts on Operating Budgets

This project is not anticipated to significantly impact the annual operating budget and will prevent future road maintenance repairs.

Cost & Funding										
Project Costs 2022-23 2023-24 2024-25 2025-26 2026-27 Future Years Tota										
Engineering	275,000	80,000	275,000				630,000			
Right-of-Way Acquisition	25,000	25,000								
Construction			3,400,000				3,400,000			
Total	300,000	105,000	3,675,000	-	-	-	4,030,000			

Funding Sources	2022-23	2023-24	2024-25	2025-26	2026-27	Future Years	Total
Capital Fund	265,000	105,000	786,110				1,156,110
MFT Fund			1,000,000				
STP Federal Grant Funds	-		1,888,890				1,888,890
Total	265,000	105,000	3,675,000	-	-	-	4,045,000

Project Description Worksheet

Project Name

Backyard Water Main Project

Location

Backyards between Cherrytree Court and Willoway



Project Scope

This project includes replacing/relocating backyard watermains and water services. Locations include the 300 blocks of Hillside F Drive, State Street, Harmony Drive, John Street, and Kingswood Drive between Cherrytree Court and Willowway. The project wi Village to reach and locate water services for residents without having to go into backyard easements.

Justification & Comments

The watermain in this area is over 60 years old and has had mulitple watermain breaks. Repairing the water main has become ir difficult in these areas due to limited access. At this point of determining the Village's total lead service line inventory, this proje remove over 20% of existing "suspect" lead water service lines. The Village will work with each homeowner to determine service from the b-box (outside shut-off) to the water meter then devise a plan to replace those that were found to be lead lines.

Impacts on Operating Budgets

The Village does not anticipate any additional costs that would impact operating budgets. Completing this project would be more have a positive impact on the operating budget as annual repairs in this area would decrease.

Cost & Funding								
Project Costs	2022-23	2023-24	2024-25	2025-26	2026-27	Future Years		
Engineering	ı	ı	-	ı	ı	200,000		
Construction	-	-	-	-	-	2,000,000		
Total	-	-	-	-	-	2,200,000		

Funding Sources	2022-23	2023-24	2024-25	2025-26	2026-27	Future Years
Water Fund	-	-	-	-	-	2,200,000
Total	1	1	-	-	1	2,200,000

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Total
200,000
2,000,000
2.200.000

Total
2,200,000
2,200,000

Project Description Worksheet

Project Name

River Crossing Water Main

Location

Two of Fox River Water Main Crossings



Project Scope

Replace or rehabilitate two to of the existing water mains crossing the Fox River.

Justification & Comments

Study to determine method for replacement or rehabilitation of two of the Fox River water main crossings. The water mains crossing the Fox River are critical componenets of the water system as there are only three crossings total linking the east and west sides of the Village.

Impacts on Operating Budgets

This project is not anticipated to significantly impact the annual operating budget.

Cost & Funding										
Project Costs	2022-23	2023-24	2024-25	2025-26	2026-27	Future Years	Total			
Study	20,000	ı	•	•	ı	-	20,000			
Engineering	-	ı	1	1	ı	50,000	50,000			
Construction	-	1	-	1	ı	450,000	450,000			
Total	20,000	-	-	-	-	500,000	520,000			

Funding Sources	2022-23	2023-24	2024-25	2025-26	2026-27	Future Years	Total
Waterworks Fund	20,000	-	-	-	-	500,000	520,000
Total	20,000	-	-	-	-	500,000	520,000

Project Description Worksheet

Project Name

Route 31 Water Main Replacement Phase 1

Location

Route 31 - South to North Boundary



Project Scope

The water main along Route 31 from the Village's southern boundary to the Village's northern boundary needs to be replaced. Due to the size of the project, the water main replacement is being proposed in three separate phases. Phase I of the Route 31 water main replacement program includes installing new water main from Sullivan Road north to Interstate 88.

Justification & Comments

Phase II includes new water main to be installed from I-88 north to State St. (Rt. 56). Phase III will replace water main from State St. to the northern boundary or just beyond Elm Avenue.

Impacts on Operating Budgets

This project will eliminate costs associated with repairing periodic watermain breaks

Cost & Funding									
Project Costs	2022-23	2023-24	2024-25	2025-26	2026-27	Future Years	Total		
Engineering	-	ı	-	-	ı	50,000	50,000		
Construction	-	ı	1	-	ı	1,150,000	1,150,000		
Total	-	ı	ı	-	ı	1,200,000	1,200,000		

Funding Sources	2022-23	2023-24	2024-25	2025-26	2026-27	Future Years	Total
Waterworks Fund	-	-	-	-	-	1,200,000	1,200,000
Total	-	-	-	-	-	1,200,000	1,200,000

Project Description Worksheet

Project Name

Central Water Tower

Location

Near Princeton Drive



Project Scope

This project entails the siting, engineering and construction of a new water tower. The additional water tower will improve the Village's fire flow capacity as well as the ability to store a sufficient supply of finished water. The additional storage of 750,000 gallons of water will increase the Village's storing capacity to 2.25 million gallons, allowing the Village to provide a 24 hour supply of water to users during an extreme event (current daily pumping is 1.8 million gallons per day).

Justification & Comments

The water tower will be painted with the same pattern that will be painted on the westside water tower which will feature the Village's new logo.

Impacts on Operating Budgets

The additional water tower will require electricity and other nominal operating costs estimated to be approximately \$10,000 a year. Approximately every 15-20 years inside/outside maintenance would be needed at approximately \$250,000.

Cost & Funding											
Project Costs	2022-23	2023-24	2024-25	2025-26	2026-27	Future Years	Total				
Engineering	-	150,000	-	-	-	-	150,000				
Construction	-	3,500,000	-	-	-	-	3,500,000				
Total	-	3,650,000	-	-	-	-	3,650,000				

Funding Sources	2022-23	2023-24	2024-25	2025-26	2026-27	Future Years	Total
Waterworks Fund	-	3,650,000	-	-	-	I	3,650,000
Water Bonds	ı	-	-	-	-	ı	ı
Total	-	3,650,000	-	-	-	-	3,650,000