

City of Indianola
Special Council Meeting
Thurs, July 19th @ 5:30

Review of WWTP Progress

1. Progress on IDNR review of Antideg Analysis and Facility Plan
 - Approval of AA is key
 - Final meeting at IDNR is Monday, July 23rd
 - EPA Blending Policy announcement in April
 - Ready for further conflict
2. Status of Conceptual Design - Presentation of Site Plan
 - Completed P&ID's, WWTP hydraulics, equipment list, conceptual building layouts, trunk sewer alignment, conceptual site plan and updated Opinion of Probable Construction Cost
 - Review of Conceptual Site Plan
3. Trunk Sewer to Farm Site
4. Updated costs and schedule
 - Independent review of all the pieces, update to today's dollars, comparison
 - Cost changes since Facility Plan
 - WWTP on track
 - Trunk Sewer on track
5. Planned meeting with Farm Site neighbors – July 30th @ 5:30
6. Application to County for Special Use Permit – Early August
7. What is next?
 - Complete Conceptual Design – QC review, Constructability review, Public Involvement?
 - Submit for SRF funding – IUP
 - Final Design – finalize scope
8. Update on Morlock LS projects
 - J&K Contracting – Gravity Sewer
 - Joiner Construction – LS and Forcemain

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|-------------------|
| CONCEPTUAL DESIGN |
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CITY OF INDIANOLA
WASTEWATER TREATMENT FACILITY IMPROVEMENTS

OPINION OF
PROBABLE CONSTRUCTION COST
July 12, 2018 (ENR BCI - 6043)

SUMMARY

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|---|----------------------------|
| General Requirements | 2,274,000 |
| Sitework | 3,997,000 |
| Administration Building | 1,260,000 |
| Vehicle Storage Building | 610,000 |
| Headworks Building | 2,321,000 |
| Grit Building | 1,276,000 |
| Peak Flow Treatment Building | 2,262,000 |
| Oxidation Ditches | 3,659,000 |
| Final Clarifiers | 2,044,000 |
| Secondary Treatment Building | 1,292,000 |
| UV Disinfection | 1,027,000 |
| Aerobic Digesters | 2,015,000 |
| Solids Processing Building | 2,583,000 |
| Biosolids Storage/Loadout | 1,492,000 |
| Contingency 10% | <u>2,584,000</u> |
| TOTAL PROBABLE CONSTRUCTION COST - WWTP | \$30,696,000 |
| | |
| TOTAL PROBABLE CONSTRUCTION COST - TRUNK SEWER | \$3,878,000 |
| | |
| TOTAL PROBABLE CONSTRUCTION COST | <u>\$34,574,000</u> |

ITEMS NOT INCLUDED IN THIS OPINION OF PROBABLE CONSTRUCTION COST

Easements for Sanitary Trunk Sewer
 Bringing Electrical and Natural Gas to Plant Site - MidAmerican Energy
 Demolition of existing WWTP site with pond
 Deep foundations that might be needed based on Geotechnical Report
 Engineering, surveying, geotechnical investigations, land acquisition services,
 resident observation, and testing for design and construction

14. IMPLEMENTATION SCHEDULE

Below is a proposed implementation schedule for the improvements identified in this Facility Plan. This implementation schedule is based on estimated durations for IDNR review, final design, SRF funding and construction.

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| Complete Facility Plan | April 2016 |
| Submit Facility Plan to IDNR | May 2016/ <i>revised April 2018</i> |
| Complete Antidegradation Analysis - Submit to IDNR | May 2016/ <i>revised Mar 2018</i> |
| Meet with IDNR to present Facility Plan | June 2016 |
| IDNR to Approve Facility Plan | TBD |
| Submit Application for SRF Funding | March 2018 |
| Begin WWTP Final Design | January 2019/ Sept 2018 |
| 30% Complete | March 2019/ Nov 2018 |
| 60% Complete | June 2019/ Jan 2019 |
| 90% Complete | August 2019/ Mar 2019 |
| Submit Final Design for IDNR Construction Permit | September 2019/ April 2019 |
| Construction Permit Issued | December 2019/ July 2019 |
| Bidding/Award | January 2020/ Sept 2019 |
| Construction Begins | March 2020/ Oct 2019 |
| Construction Substantially Complete | November 2021/ Dec 2021 |
| Construction Complete | June 2022 |