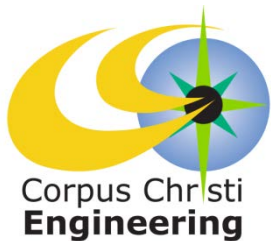




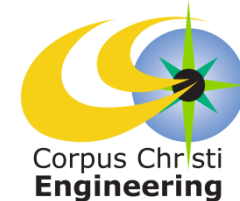
# Whitecap Wastewater Treatment Plant Ultra-Violet (UV) Disinfection System Upgrade



Council Presentation  
January 28, 2014



# Project Scope

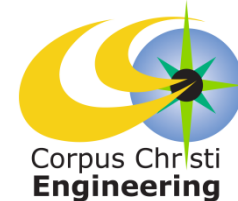


- **New UV Structure Design**
- **New Re-lift Pump Station**
- **Canopies over UV Channels and Disk Filters**
- **Treatment Plant Electrical Improvements**
  - **Design electrical systems to service new UV system, re-lift pump station, and disk filters**
  - **Design power control room building**
  - **Design new emergency diesel generator**





# Project Schedule



2012		2013				2014				2015				2016		
Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
Design		Testing and Coordination				Amendment No. 3 Design		Bid & Award		Construction						

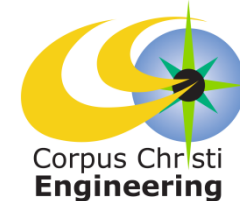
**Project Estimate: 1,530 Calendar Days  $\approx$  50 Months**

Projected Schedule reflects City Council award of Contract Amendment No. 3 in February 2014 with anticipated construction completion in September 2016.





# Project Budget



<b>FUNDS AVAILABLE:</b>	
Prior Wastewater CIP .....	\$674,227.00
Wastewater CIP (2013-2014).....	\$2,000,000.00
Wastewater CIP (2014-2015).....	\$2,300,000.00
Additional Future CIP Request.....	\$4,600,000.00
<b>TOTAL</b> .....	<b>\$9,574,227.00</b>
<b>FUNDS REQUIRED:</b>	
Construction (Estimate).....	\$7,370,000.00
Contingencies.....	\$737,000.00
<u>Engineer Fees:</u>	
Design Engineer (Freese and Nichols, Inc.)* .....	327,100.00
Design Engineer - Amend. No. 3 <b>THIS CONTRACT</b> (Freese and Nichols, Inc.)** ...	416,540.00
<u>Reimbursements:</u>	671,000.00
<b>TOTAL</b> .....	<b>\$9,521,640.00</b>
<b>PROJECT BUDGET BALANCE</b> .....	<b>\$52,587.00</b>
*Original Agreement approved by City Council on June 19, 2012 by Motion 2012-113	
**Geotechnical Construction Materials Testing included in Amendment No. 3	

