BOOSTING MOBILITY BOND PROGRAM MANAGEMENT

CONSULTANT EFFICIENCY IN FORT BEND COUNTY

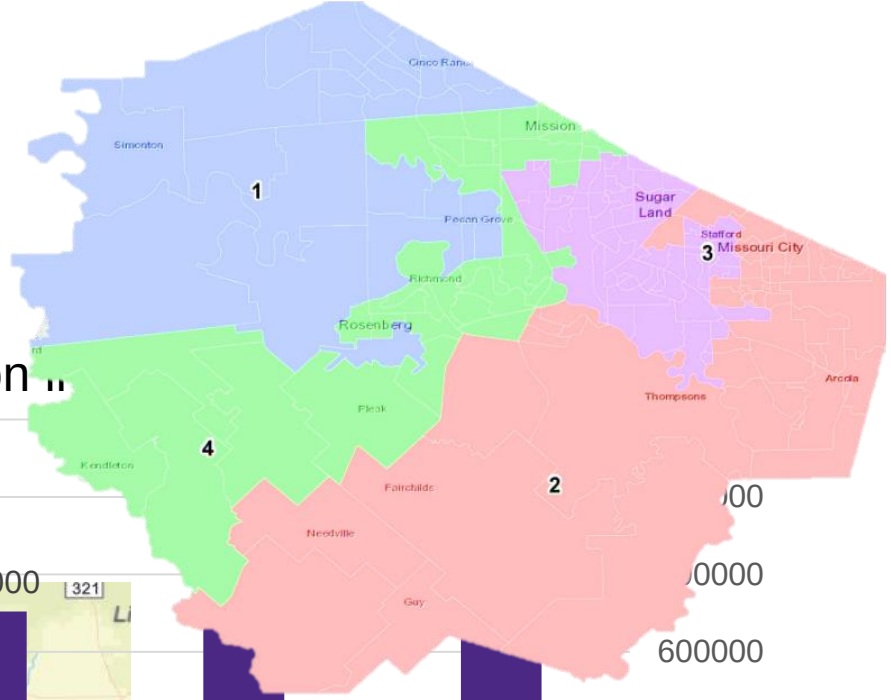
Today’s Topics and Speakers

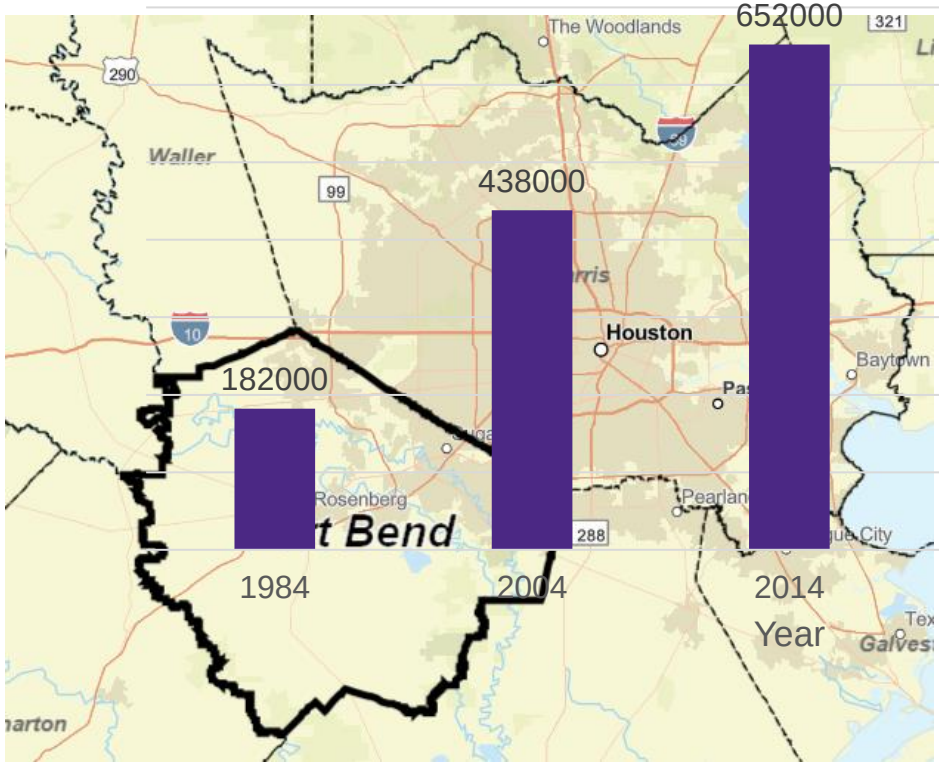
- **Fort Bend County’s need for PMO** – Ike Akinwande, PE / Assistant County Engineer FBC
- **Who is RPS and How Have We Helped**- Kevin Hoffman, PE / Director Transport at RPS
- **PMO Phases** – Gabriel Odreman, PE / Senior PM at RPS

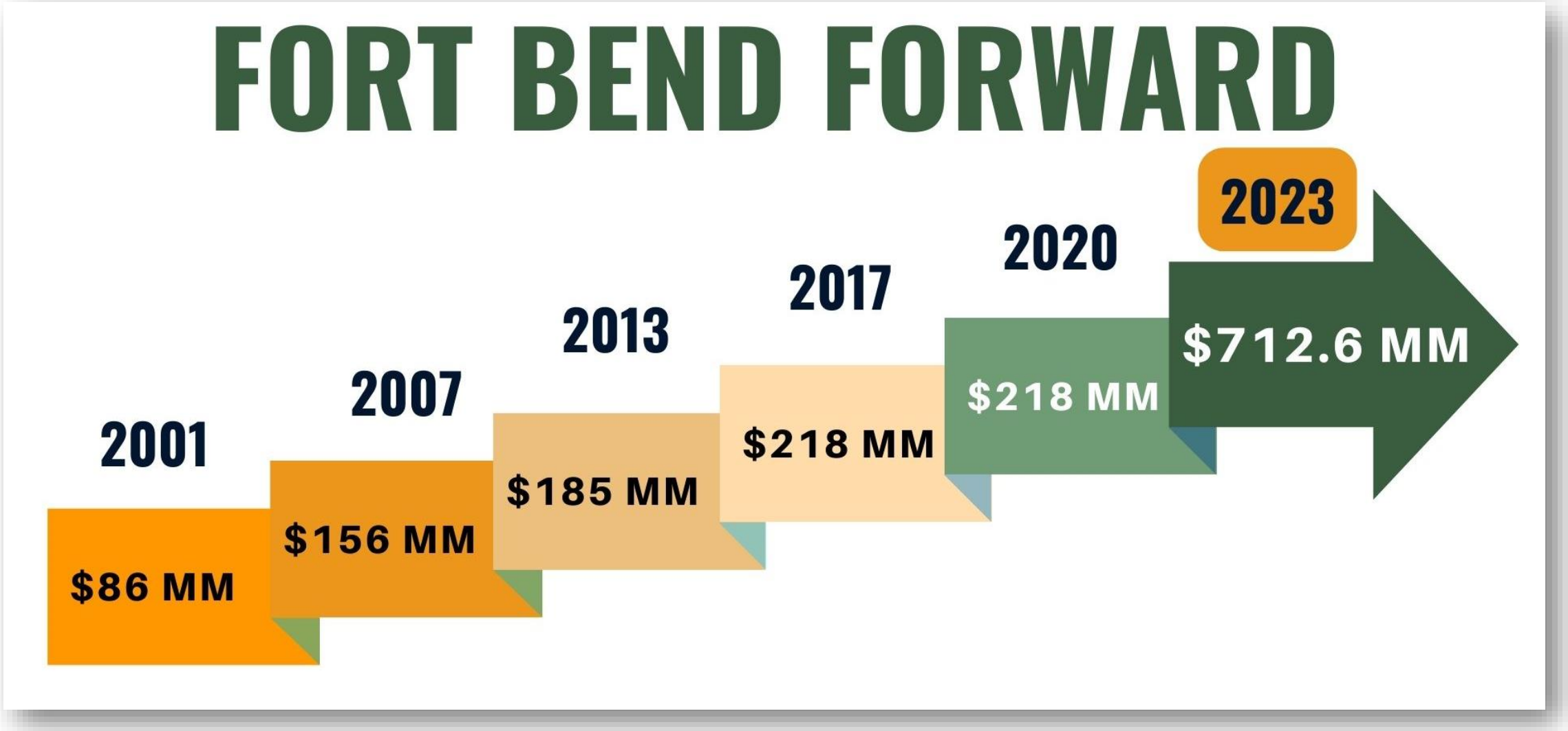
Speaker: Gabriel Odreman

Fort Bend County

- Fort Bend County is located southwest of Houston
- Each of the 4 Precincts has different needs
- FBC is one of the fastest growing counties in the country







“In the past, the county had a position that all we do is maintain roadways, we don’t build new ones. That shifted over the last two decades.” Commissioner McCoy, Pct. 4

Fort Bend County

- How will we accommodate growth?
- What types of projects will be most impactful?
- How long will it take?

Project Type	Bond Request
Proposition A – Mobility	$ 712,630,000
Proposition B – Parks	$ 153,000,000
TOTAL:	$ 865,630,000

Speaker: Ike Akinwande

2023 FBC Bond Projects

Type of Project	Recommended Bond Amount
Partnerships with Cities/State/Local Ent.	$ 177,998,844
Roadway Improvements - DRU	$ 90,091,828
Roadway Improvements - All-In	$ 112,405,400
Traffic Safety	$ 31,000,000
Pedestrian Safety	$ 13,000,000
Rehabilitation	$ 43,058,928
Existing Projects	$ 245,075,000
TOTAL:	**$ 712,630,000**

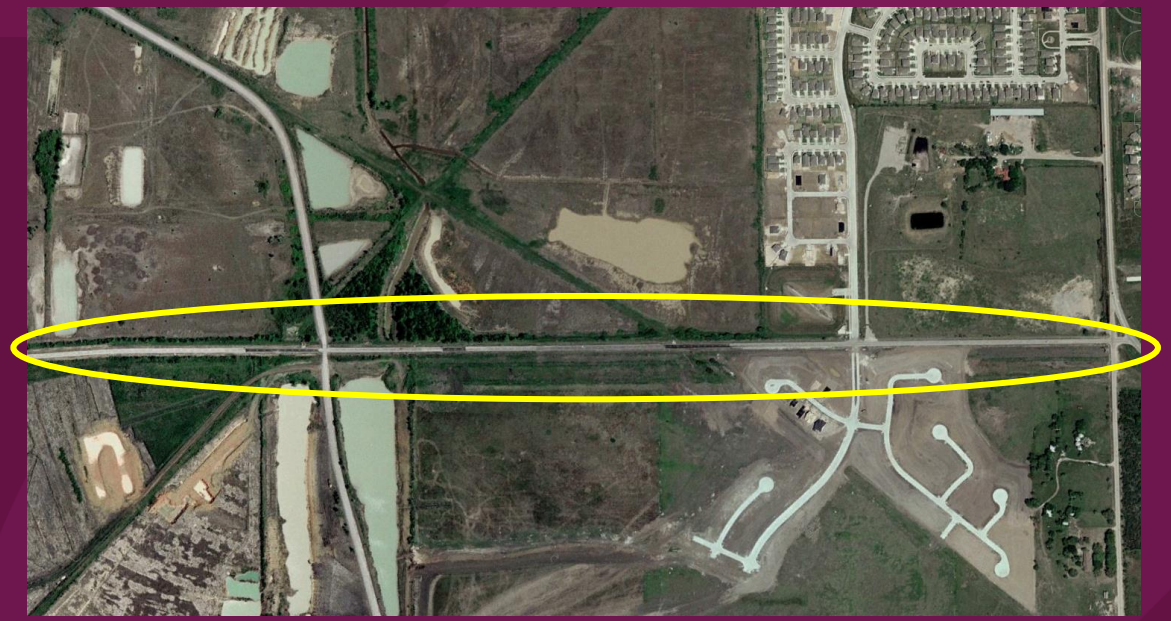
2023 FBC Partnerships

Type of Project	Recommended Bond Amount
Beasley	$ 4,137,000
Fulshear	$ 3,910,000
Katy	$ 3,957,000
Kendleton	$ 13,679,000
Meadows Place	$ 3,000,000
Missouri City	$ 12,826,250
MUDs/Special Districts	$ 39,378,676
Needville	$ 6,200,000
Rosenberg	$ 6,569,000
Stafford	$ 2,899,418
Sugar Land	$ 61,842,500
TxDOT	$ 19,600,000
TOTAL:	**$177,998,844**

Speaker: Ike Akinwande

Types of projects

Beechnut Rd – Turning a 2 lane roadway with roadside ditches into a full boulevard



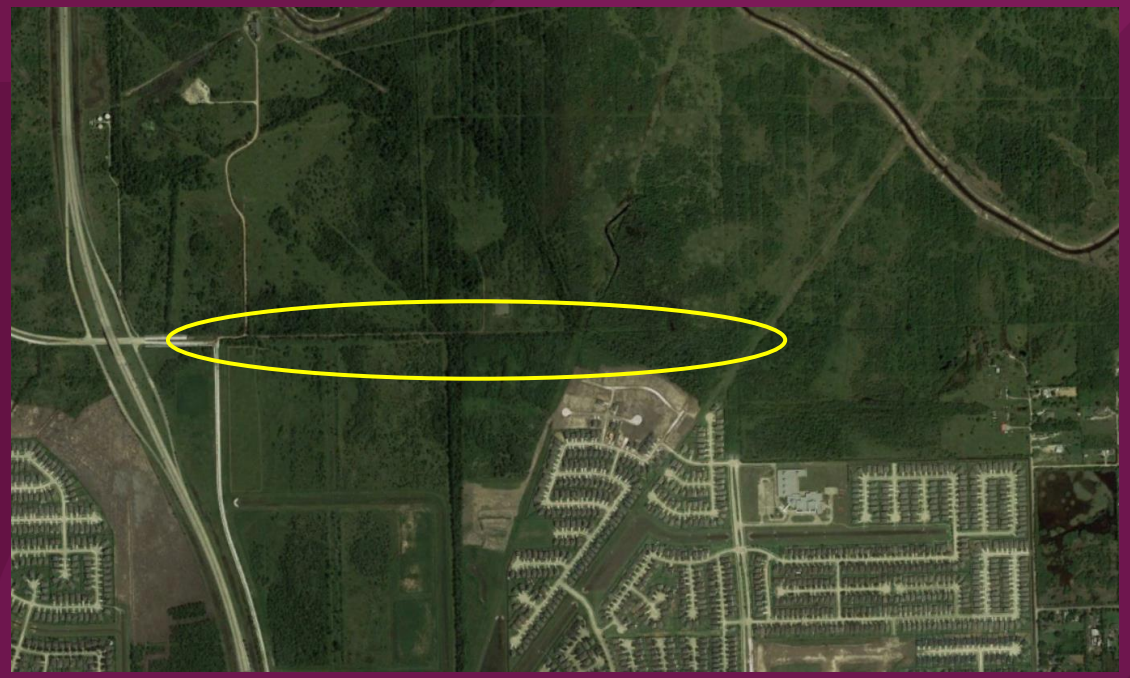
Beechnut Rd – April 2006

Beechnut Rd – September 2023

Speaker: Ike Akinwande

Types of projects

Lake Olympia Segment 1– Construct a new 4 lane roadway to increase connectivity



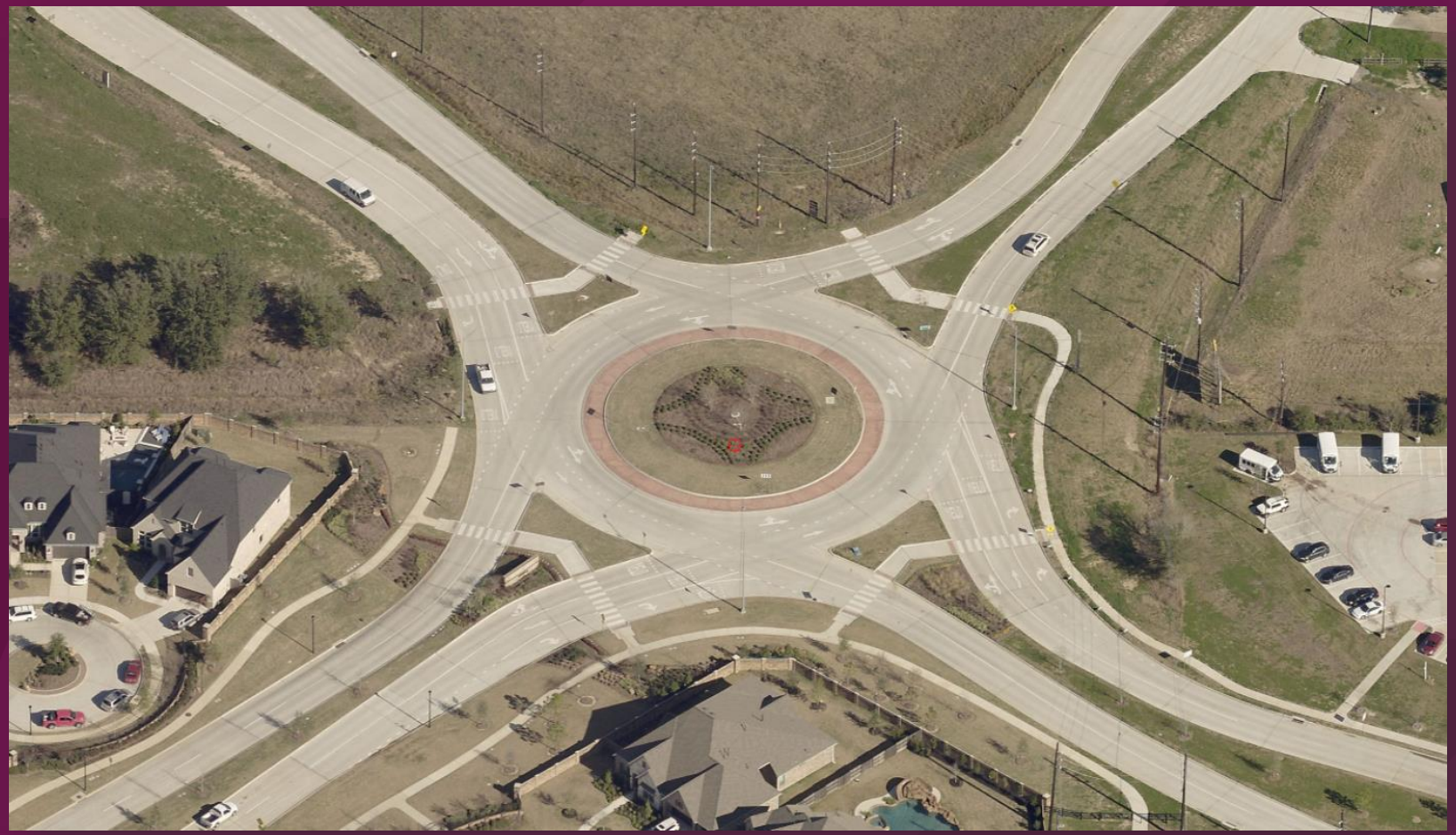
Lake Olympia Segment 1 – August 2017

Lake Olympia Segment 1 – September 2023

Speaker: Ike Akinwande

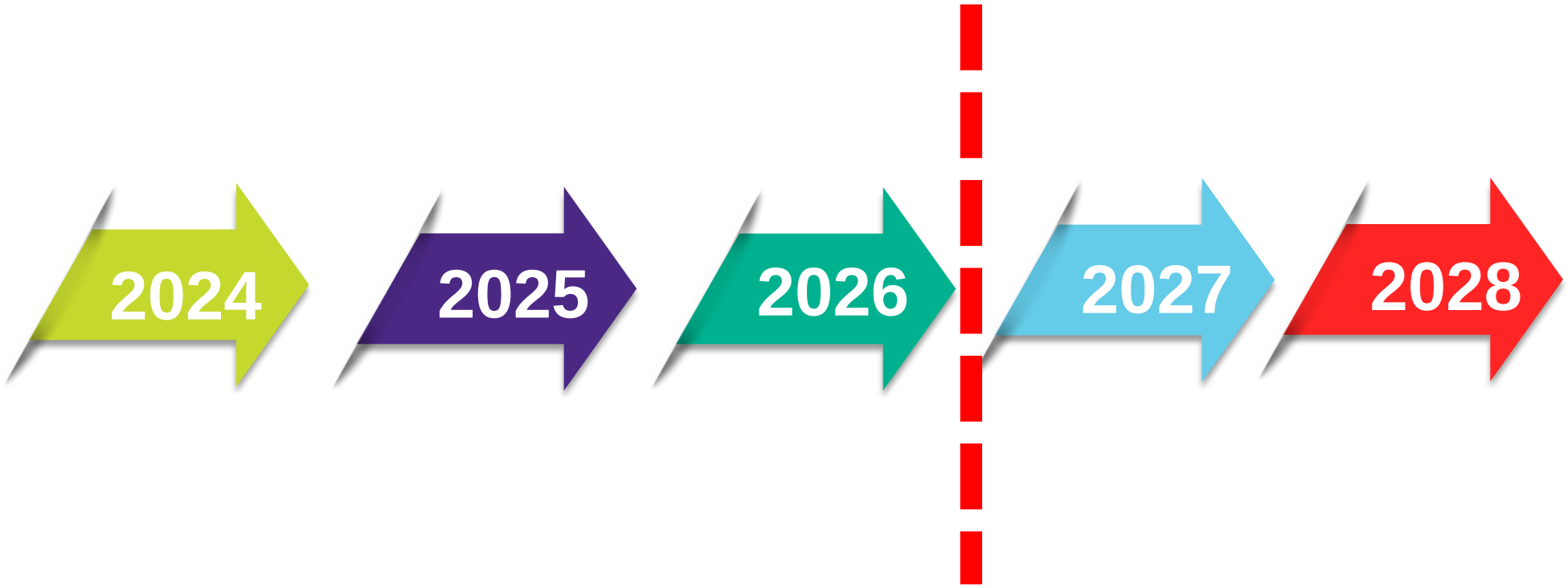
Types of Projects - Roundabout

Texas Heritage Parkway – Upgraded 2-lane Concrete Roundabout with Storm Sewer



SCAN ME

Project Timeline



SCAN ME

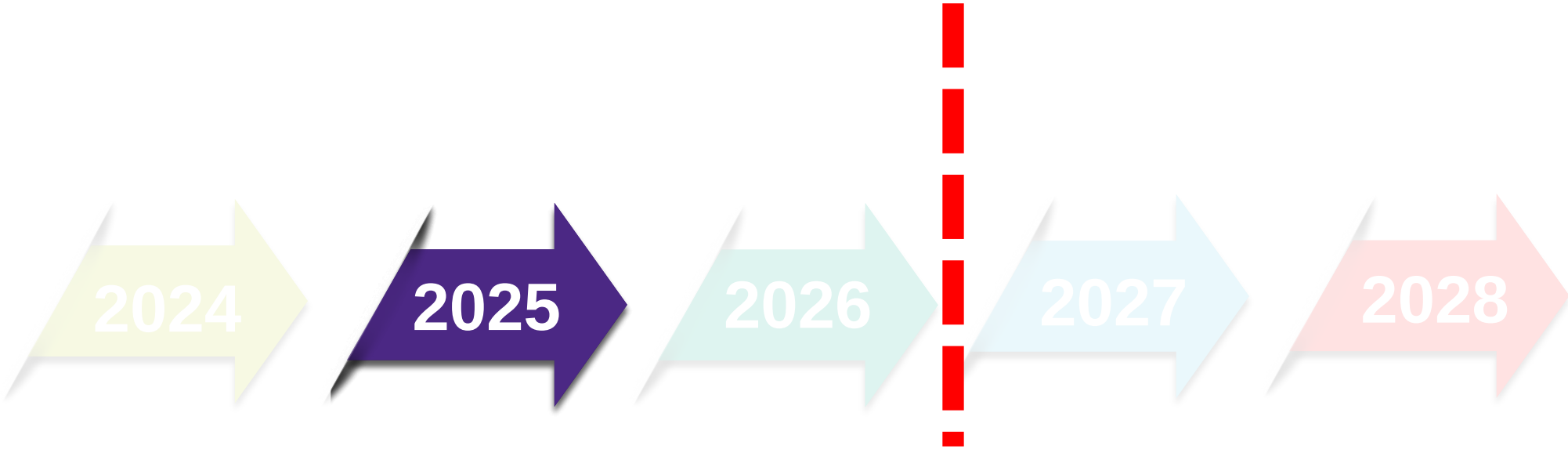
Project Timeline
Year 1

2024 2025 2026 2027

1. Execute Consultant Agreements
2. Complete Preliminary Engineering
3. Determine Right-of-Way needs

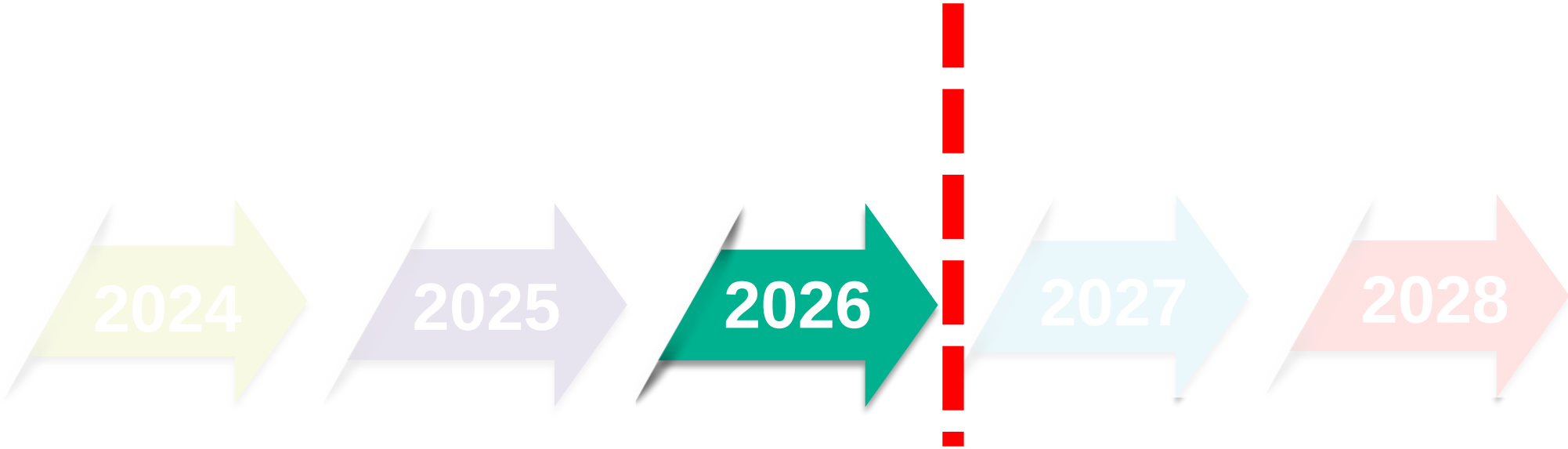
SCAN ME

Project Timeline
Year 2



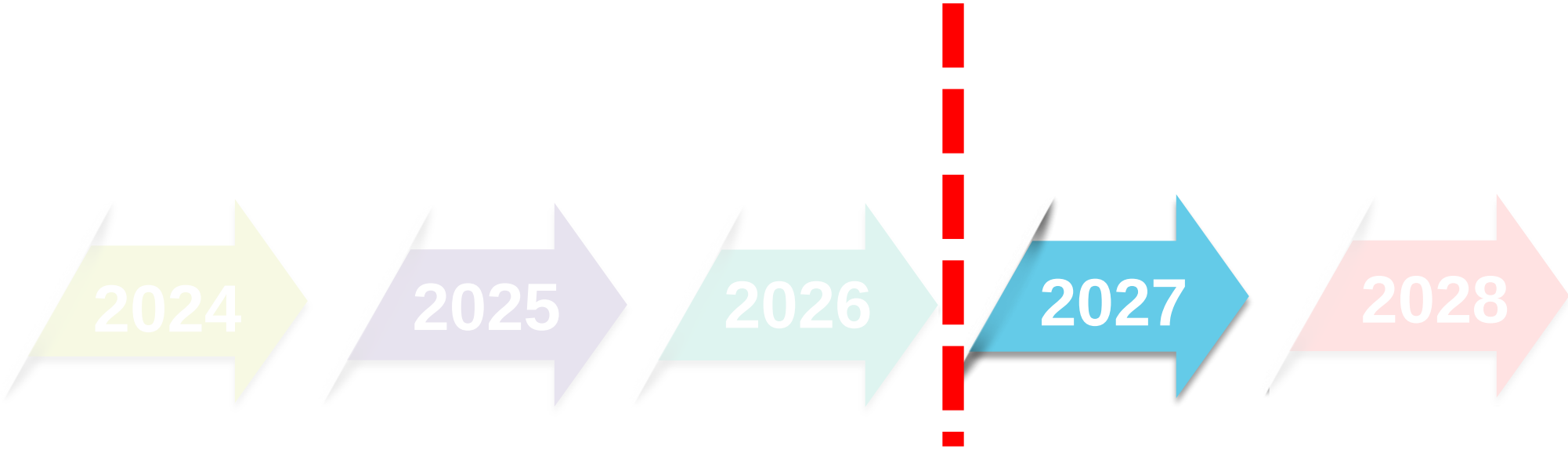
1. Begin acquiring Right-of-Way
2. Continue Engineering Design
3. Environmental Permitting

Project Timeline
Year 3



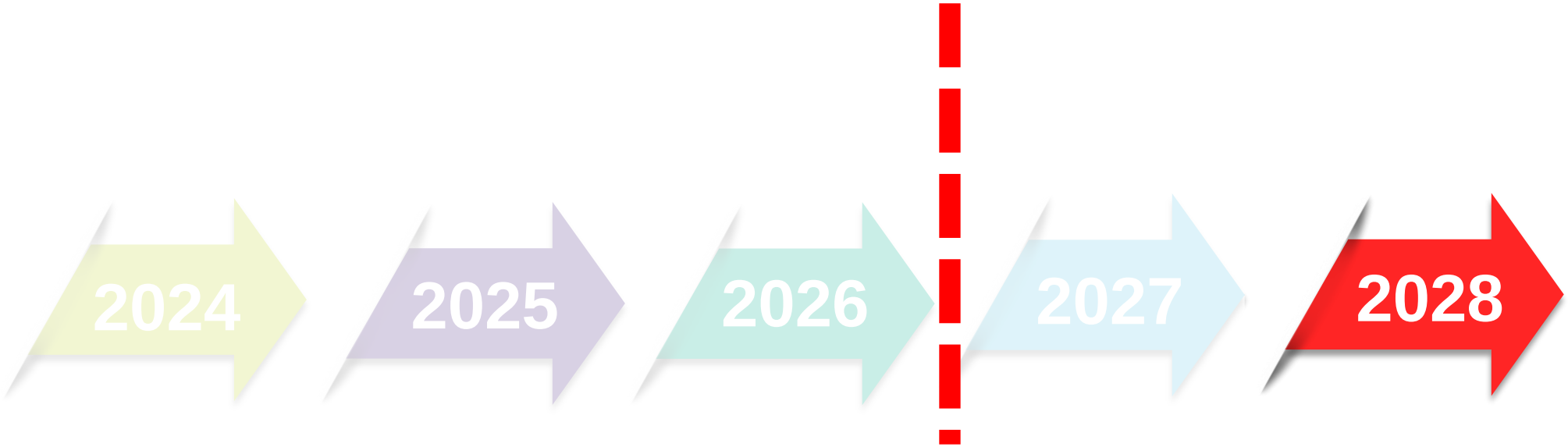
1. Continue Right-of-Way Acquisition
2. **Complete** Engineering Design
3. Coordinate with Private Utilities

Project Timeline
Year 4



1. **Complete** ROW acquisition
2. Clear ROW and relocate utilities
3. **Begin** Construction

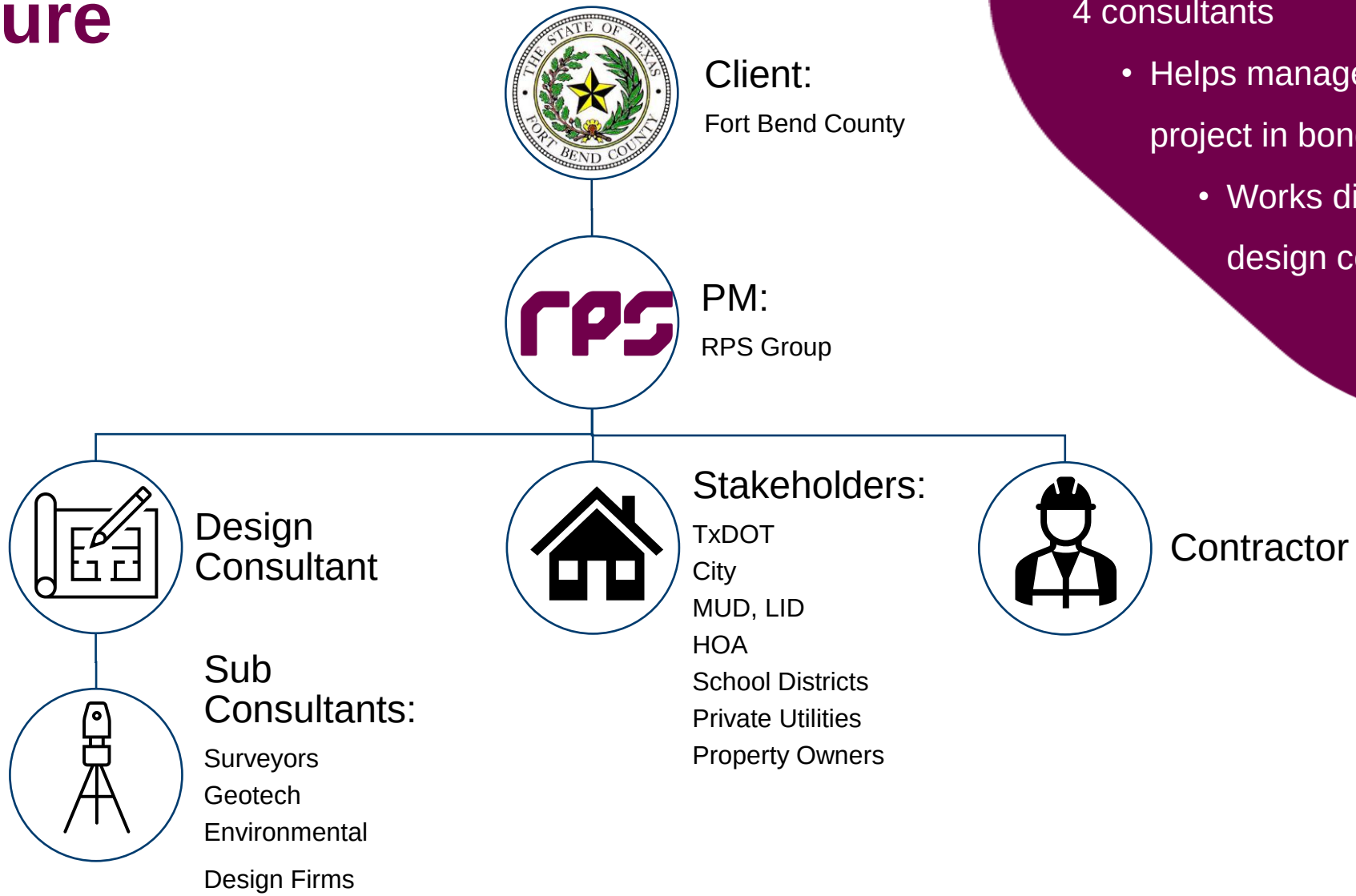
Project Timeline
Year 5



1. **Complete** Construction

FBC Program Management Structure

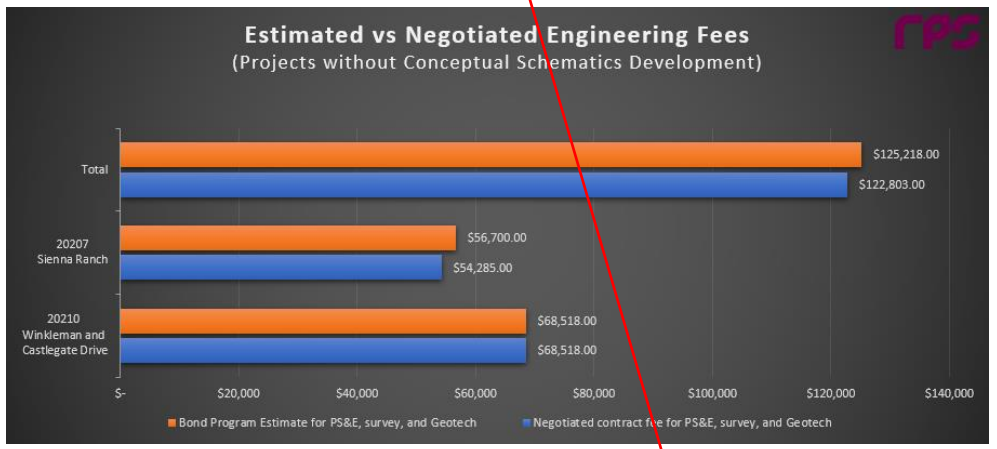
- PM contract is typically $1 mm for each of the 4 consultants
  - Helps manage Bond Program until each project in bond is closed out
    - Works directly with FBC engineering, design consultants, and contractors

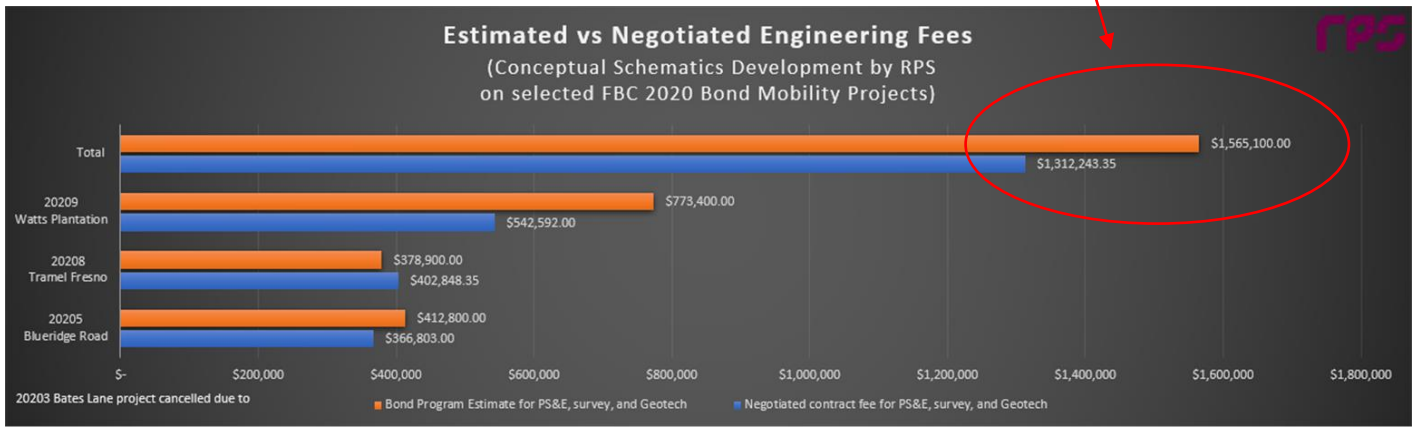


The Value of PMO

- Consultant program managers help as remote staff augmentation since current county staff has 5 people working with the active projects.
- PMO assist to manage 99 active projects with over 100 consultants.
- Ensures all projects are done on time and to FBC standards.
- Helps lower the cost of engineering fees when negotiating contracts.
- Aids to decrease problem projects, change orders, and delayed execution.
- Have additional connections and contacts at TxDOT, Cities, and utility companies.

In this exercise back in 2020, a saving of around $200K was seen after PMO developed conceptual schematics before contract negotiation with design engineers.





FM 2759 (23209)

Project Scope

Upgrade FM 2759 to be a 4-lane road with shoulders and ditches. May require re-alignment to avoid encroaching into the railroad ROW. Offsite or in-line detention will be required.

Bond Amount

$19,600,000

Challenges to Overcome

Coordination with TxDOT, Sugar Land & City of Thompsons. Right of way, utility relocation, and RR coordination for a signalized intersection.

WHO IS RPS

- Managing Fort Bend County's Mobility Bond Programs since 2002 (since the 1st bond)
- Helped over 50 projects from negotiation to ribbon cutting
- RPS has managed around $216 Million worth of projects

Speaker: Kevin Hoffman

MAKING COMPLEX EASY

Resources we helped develop

Fort Bend County Specialty Drainage Design Manual:

FBC Identifier	Spec Used	Spe	Alt Section	Notes
T00100001	TxDOT	10		
H00102001	HC	10		
H00102002	HC	10		
H00102003	HC	10		
H00104001	HC	10		
H00104002	HC	10		
H00104003	HC	10		
H00104004	HC	10		
H00104005	HC	10		
H00110001	HC	11		
H00110002	HC	11		
H00110003	HC	11	STORM SEWER	
H00120001	HC	12	STORM SEWER	
H00120002	HC	12	STORM SEWER	
H00120003	HC	12	STORM SEWER	
H00120004	HC	12	STORM SEWER	
H00130001	HC	13		
T00132001	TXDOT	13	RETAINING WALL	
H00160001	HC	16		
H00162001	HC	16	LAN	
H00162002	HC	16	LAN	
H00164001	HC	16	LAN	
H00164002	HC	16	LAN	

FORT BEND COUNTY CONSTRUCTION DETAILS

(UNDER REVIEW BY FORT BEND COUNTY ENGINEERING)

FEBRUARY 1, 2021

TITLE SHEET AND GENERAL NOTES

1. PROJECT COVER SHEET
2. CONSTRUCTION GENERAL NOTES
3. PUBLIC WORKS & SUBDIVISION GENERAL NOTES
4. TRAFFIC SIGNAL GENERAL NOTES

PAVEMENT CONSTRUCTION

5. CONCRETE PAVEMENT DETAILS (SHEET 1 OF 2)
6. CONCRETE PAVEMENT DETAILS (SHEET 2 OF 2)
7. SPECIAL PAVING DETAILS
8. TURN LANES AND MEDIAN OPENINGS
9. TYPICAL PAVEMENT SECTIONS FOR DEVELOPMENT PROJECTS
10. DRIVEWAY DETAILS FOR MAJOR ROADWAY CONSTRUCTION
11. DRIVEWAY DETAILS
12. ASPHALT DRIVEWAY DETAILS
13. SIDEWALK DETAILS
14. PED-18 RAMP DETAILS (SHEET 1 OF 4)
15. PED-18 RAMP DETAILS (SHEET 2 OF 4)
16. PED-18 RAMP DETAILS (SHEET 3 OF 4)
17. PED-18 RAMP DETAILS (SHEET 4 OF 4)

STORM SEWER CONSTRUCTION

18. STORM SEWER CONSTRUCTION DETAILS
19. CAST-IN-PLACE CONCRETE STORM SEWER MANHOLE DETAILS
20. PRECAST CONCRETE STORM SEWER MANHOLE DETAILS
21. JUNCTION/BOX/MANHOLE DETAILS
22. TYPE "A" INLET DETAILS FOR MAXIMUM 30" O.D. PIPE
23. MODIFIED TYPE "A" INLET DETAILS FOR BEHIND THE CURB SWALES
24. TYPE "B" INLET DETAILS
25. TYPE "B-B" INLET DETAILS
26. MODIFIED TYPE "B-B" INLET FOR BACK OF CURB GRATE
27. TYPE "C", "C-1", "C-2", AND "C-2A" INLET DETAILS
28. H-2 INLET DETAIL
29. H-2 MODIFIED INLET DETAIL

MISCELLANEOUS CONSTRUCTION DETAILS

30. SINGLE GUARDRAIL TERMINAL
31. METAL BEAM GUARD FENCE
32. PROJECT SIGN DETAILS
33. COUNTY FUNDED PROJECT SIGN DETAILS
34. COUNTY/OTHER FOUNDED PROJECT SIGN DETAILS
35. PRECINCT FUNDED PROJECT SIGN DETAILS
36. CHAIN LINK FENCING DETAILS
37. CHAIN LINK FENCING ROLLING GATE DETAILS
38. BARBED WIRE FENCING DETAILS
39. ROUNDABOUT CONSTRUCTION DET I
40. ROUNDABOUT CONSTRUCTION DET II
41. ROUNDABOUT CONSTRUCTION DET III
42. EXPANSION JOINTS AND SAWCUTS
43. MID BLOCK CROSSING WITH RESIDENTIAL FRONTAGE
44. MID BLOCK CROSSING WITHOUT RESIDENTIAL FRONTAGE
45. MID BLOCK BOULEVARDS

SIGNING AND PAVEMENT MARKINGS

46. PAVEMENT MARKING DETAILS (SHEET 1 OF 2)
47. PAVEMENT MARKING DETAILS (SHEET 2 OF 2)
48. TYPE III BARRICADE DETAILS
49. TYPICAL GROUND SIGN INSTALLATION
50. STREET SIGN NAME AND INSTALLATION DETAIL

STORM WATER POLLUTION PREVENTION AND STORM WATER QUALITY

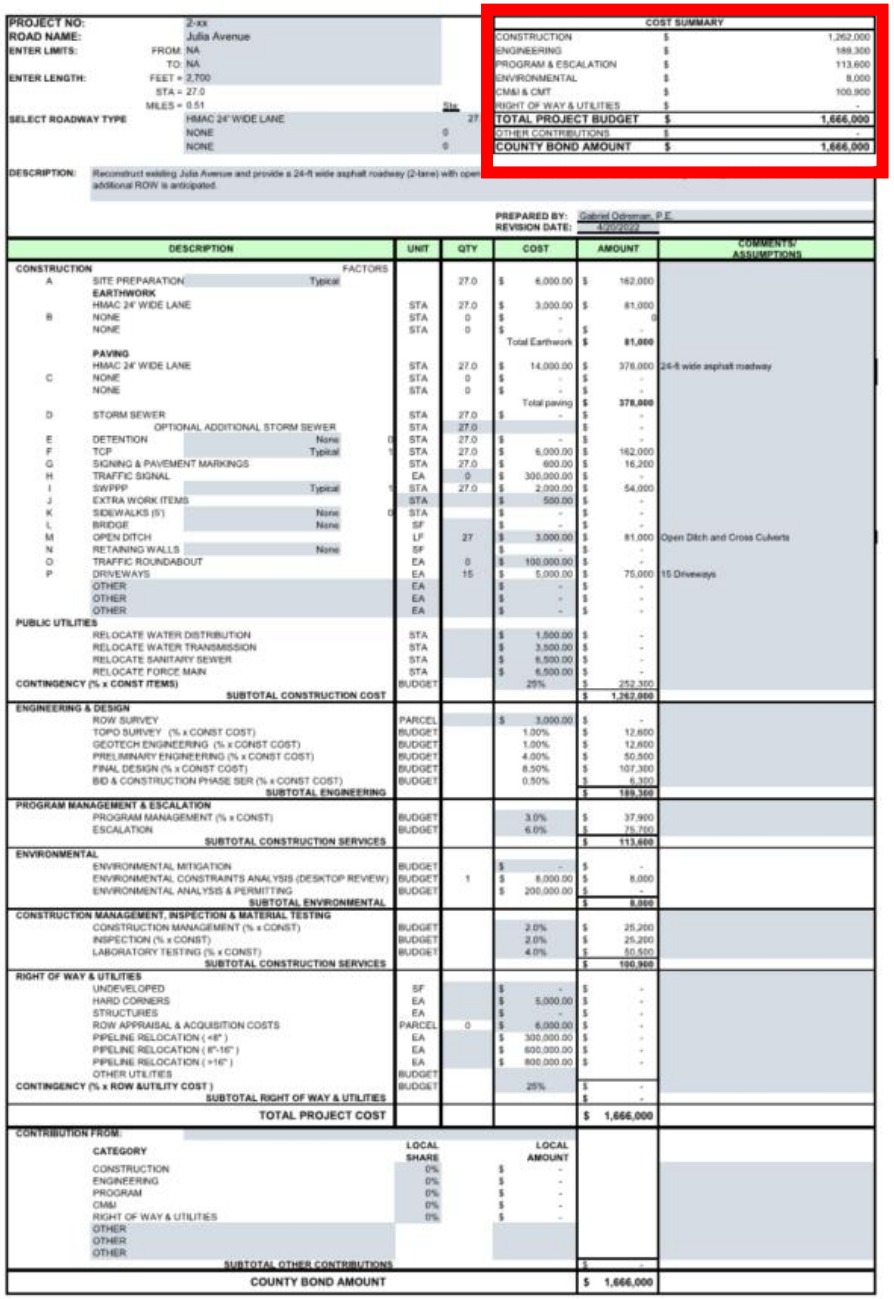
51. STORM WATER POLLUTION PREVENTION PLAN DETAILS

Speaker: Kevin Hoffman

Program Estimate

- RPS collaborated with FBC Engineering to develop interactive spreadsheet
- Produces a budget for a project in under an hour
- Provides a breakdown of the project budget
  - Construction
  - Engineering
  - Program & Escalation
  - CM&I, CMT and Environmental
  - Right of Way and Utilities

COST SUMMARY		
CONSTRUCTION	$	1,262,000
ENGINEERING	$	189,300
PROGRAM & ESCALATION	$	113,600
ENVIRONMENTAL	$	8,000
CM&I & CMT	$	100,900
RIGHT OF WAY & UTILITIES	$	-
TOTAL PROJECT BUDGET	**$**	**1,666,000**
OTHER CONTRIBUTIONS	$	-
COUNTY BOND AMOUNT	**$**	**1,666,000**



PROJECT NO: 2-xx
ROAD NAME: Julia Avenue
ENTER LIMITS: FROM: NA
TO: NA
ENTER LENGTH: FEET = 2,700
STA = 27.0
MILES = 0.51
SELECT ROADWAY TYPE: HMAC 24' WIDE LANE 27
NONE 0
NONE 0

DESCRIPTION: Reconstruct existing Julia Avenue and provide a 24-ft wide asphalt roadway (2-lane) with open ditch drainage. No additional ROW is anticipated.

PREPARED BY: Gabriel Odinmah, P.E.
REVISION DATE: 4/20/2022

COST SUMMARY

CONSTRUCTION	$	1,262,000
ENGINEERING	$	189,300
PROGRAM & ESCALATION	$	113,600
ENVIRONMENTAL	$	8,000
CM&I & CMT	$	100,900
RIGHT OF WAY & UTILITIES	$	-
TOTAL PROJECT BUDGET	$	1,666,000
OTHER CONTRIBUTIONS	$	-
COUNTY BOND AMOUNT	$	1,666,000

DESCRIPTION	UNIT	QTY	COST	AMOUNT	COMMENTS/ ASSUMPTIONS
CONSTRUCTION FACTORS					
A SITE PREPARATION Typical		27.0	$ 6,000.00	$ 162,000	
EARTHWORK					
HMAC 24' WIDE LANE	STA	27.0	$ 3,000.00	$ 81,000	
B NONE	STA	0	$ -	$ -	
NONE	STA	0	$ -	$ -	
			Total Earthwork	$ 81,000	
PAVING					
HMAC 24' WIDE LANE	STA	27.0	$ 14,000.00	$ 378,000	24-ft wide asphalt roadway
C NONE	STA	0	$ -	$ -	
NONE	STA	0	$ -	$ -	
			Total paving	$ 378,000	
D STORM SEWER	STA	27.0	$ -	$ -	
OPTIONAL ADDITIONAL STORM SEWER	STA	27.0		$ -	
E DETENTION None	STA	27.0	$ -	$ -	
F TCP Typical	STA	27.0	$ 6,000.00	$ 162,000	
G SIGNING & PAVEMENT MARKINGS	STA	27.0	$ 600.00	$ 16,200	
H TRAFFIC SIGNAL	EA	0	$ 300,000.00	$ -	
I SWPPP Typical	STA	27.0	$ 2,000.00	$ 54,000	
J EXTRA WORK ITEMS	STA		$ 500.00	$ -	
K SIDEWALKS (5') None	STA		$ -	$ -	
L BRIDGE None	SF		$ -	$ -	
M OPEN DITCH	LF	27	$ 3,000.00	$ 81,000	Open Ditch and Cross Culverts
N RETAINING WALLS None	SF		$ -	$ -	
O TRAFFIC ROUNDABOUT	EA	0	$ 100,000.00	$ -	
P DRIVEWAYS	EA	15	$ 5,000.00	$ 75,000	15 Driveways
OTHER	EA		$ -	$ -	
OTHER	EA		$ -	$ -	
OTHER	EA		$ -	$ -	
PUBLIC UTILITIES					
RELOCATE WATER DISTRIBUTION	STA		$ 1,500.00	$ -	
RELOCATE WATER TRANSMISSION	STA		$ 3,500.00	$ -	
RELOCATE SANITARY SEWER	STA		$ 6,500.00	$ -	
RELOCATE FORCE MAIN	STA		$ 6,500.00	$ -	
CONTINGENCY (% x CONST ITEMS)	BUDGET		25%	$ 252,300	
SUBTOTAL CONSTRUCTION COST				$ 1,262,000	
ENGINEERING & DESIGN					
ROW SURVEY	PARCEL		$ 3,000.00	$ -	
TOPO SURVEY (% x CONST COST)	BUDGET		1.00%	$ 12,600	
GEOTECH ENGINEERING (% x CONST COST)	BUDGET		1.00%	$ 12,600	
PRELIMINARY ENGINEERING (% x CONST COST)	BUDGET		4.00%	$ 50,500	
FINAL DESIGN (% x CONST COST)	BUDGET		8.50%	$ 107,300	
BID & CONSTRUCTION PHASE SER (% x CONST COST)	BUDGET		0.50%	$ 6,300	
SUBTOTAL ENGINEERING				$ 189,300	
PROGRAM MANAGEMENT & ESCALATION					
PROGRAM MANAGEMENT (% x CONST)	BUDGET		3.0%	$ 37,900	
ESCALATION	BUDGET		6.0%	$ 75,700	
SUBTOTAL CONSTRUCTION SERVICES				$ 113,600	
ENVIRONMENTAL					
ENVIRONMENTAL MITIGATION	BUDGET		$ -	$ -	
ENVIRONMENTAL CONSTRAINTS ANALYSIS (DESKTOP REVIEW)	BUDGET	1	$ 8,000.00	$ 8,000	
ENVIRONMENTAL ANALYSIS & PERMITTING	BUDGET		$ 200,000.00	$ -	
SUBTOTAL ENVIRONMENTAL				$ 8,000	
CONSTRUCTION MANAGEMENT, INSPECTION & MATERIAL TESTING					
CONSTRUCTION MANAGEMENT (% x CONST)	BUDGET		2.0%	$ 25,200	
INSPECTION (% x CONST)	BUDGET		2.0%	$ 25,200	
LABORATORY TESTING (% x CONST)	BUDGET		4.0%	$ 50,500	
SUBTOTAL CONSTRUCTION SERVICES				$ 100,900	
RIGHT OF WAY & UTILITIES					
UNDEVELOPED	SF		$ -	$ -	
HARD CORNERS	EA		$ 5,000.00	$ -	
STRUCTURES	EA		$ -	$ -	
ROW APPRAISAL & ACQUISITION COSTS	PARCEL	0	$ 6,000.00	$ -	
PIPELINE RELOCATION (<8")	EA		$ 300,000.00	$ -	
PIPELINE RELOCATION (8"-16")	EA		$ 600,000.00	$ -	
PIPELINE RELOCATION (>16")	EA		$ 800,000.00	$ -	
OTHER UTILITIES	BUDGET				
CONTINGENCY (% x ROW &UTILITY COST)	BUDGET		25%	$ -	
SUBTOTAL RIGHT OF WAY & UTILITIES				$ -	
TOTAL PROJECT COST				$ 1,666,000	

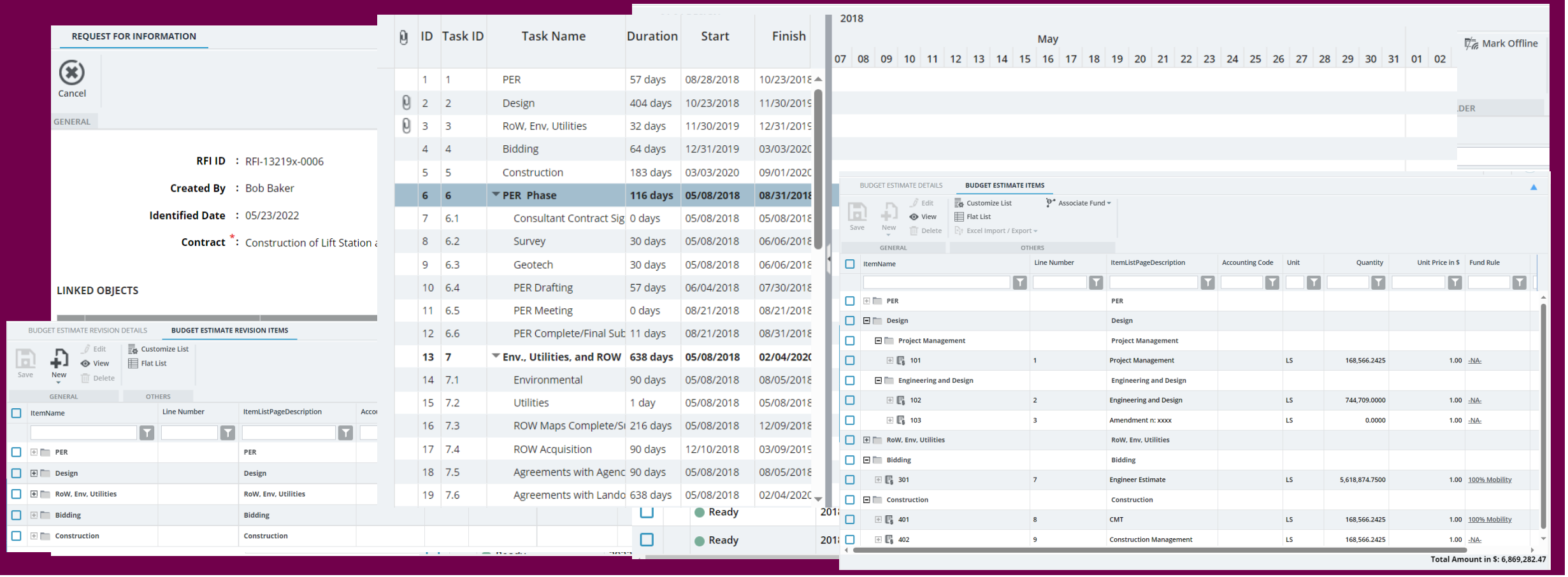
CONTRIBUTION FROM:

CATEGORY	LOCAL SHARE	LOCAL AMOUNT
CONSTRUCTION	0%	$ -
ENGINEERING	0%	$ -
PROGRAM	0%	$ -
CM&I	0%	$ -
RIGHT OF WAY & UTILITIES	0%	$ -
OTHER		
OTHER		
OTHER		
SUBTOTAL OTHER CONTRIBUTIONS		$ -
COUNTY BOND AMOUNT		$ 1,666,000

Speaker: Kevin Hoffman

Program Management Software Masterworks -

Utilized throughout design to:



Speaker: Kevin Hoffman

Three phases of Program Management

1. Feasibility Study – Bond Planning
2. Design Stage
3. Bidding and Construction Phase Services

Speaker: Gabriel Odreman

1 Feasibility study – Bond Planning

2 Design Stage

3 Bidding and Construction Phase Services

PHASE 1 – FEASIBILITY STUDY
ROADWAY BOND PROGRAM PLANNING

- Evaluate potential projects
- We work closely with Engineering department at FBC
- Assess viability of project

Speaker: Gabriel Odreman

MAKING COMPLEX EASY

Phase 1 – Feasibility Study

Steps:

STEP 1: INITIAL PROJECT SITE VISIT

STEP 2: DEVELOP KMZ MODEL

STEP 3: PROGRAM ESTIMATE

STEP 4: PRIORITIZATION LIST

STEP 5: EXHIBITS AND SCHEMATICS

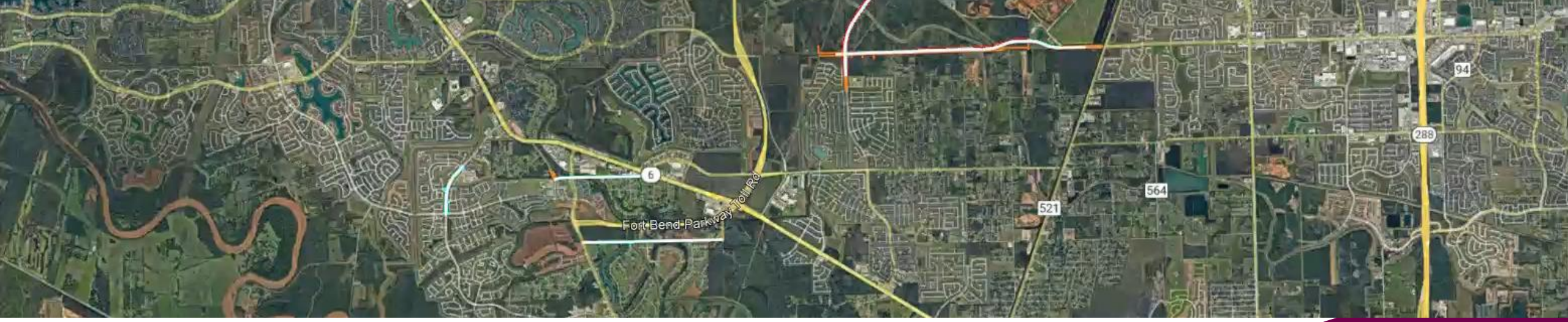
STEP 6: PUBLIC ENGAGEMENT

Speaker: Gabriel Odreman

Initial Project Site Visit

- Go onsite to walk limits of potential project
- Assess the project:
  - Site conditions
  - Potential conflicts
  - Drainage needs
  - Water Crossings (Bridge or Culvert)

Speaker: Gabriel Odreman



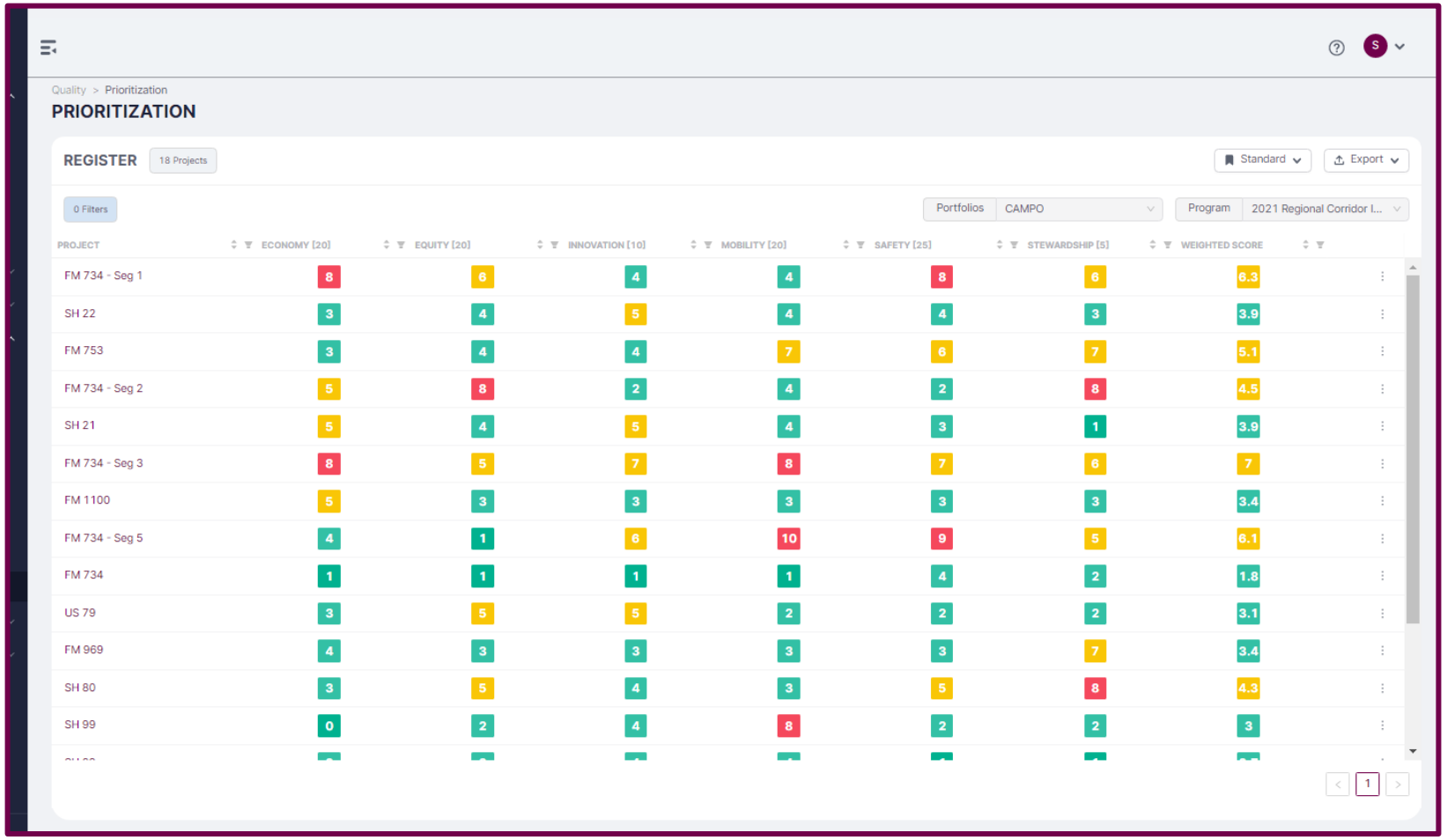
Develop KMZ Model

- Shows potential project on top of current conditions in google earth
- Provides visual idea of project scope:
  - Right of Way (ROW) needs
  - Potential detention
  - Utility conflicts

Speaker: Gabriel Odreman

Prioritization List

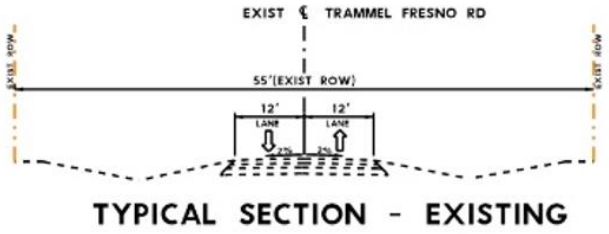
- Develop a prioritization matrix
- Client criteria is used to list projects by most impactful
- Weighted score helps identify projects to pursue



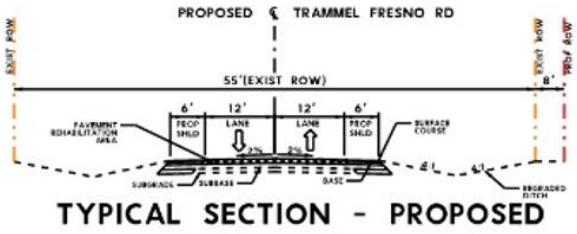
PROJECT	ECONOMY [20]	EQUITY [20]	INNOVATION [10]	MOBILITY [20]	SAFETY [25]	STEWARDSHIP [5]	WEIGHTED SCORE
FM 734 - Seg 1	8	6	4	4	8	6	6.3
SH 22	3	4	5	4	4	3	3.9
FM 753	3	4	4	7	6	7	5.1
FM 734 - Seg 2	5	8	2	4	2	8	4.5
SH 21	5	4	5	4	3	1	3.9
FM 734 - Seg 3	8	5	7	8	7	6	7
FM 1100	5	3	3	3	3	3	3.4
FM 734 - Seg 5	4	1	6	10	9	5	6.1
FM 734	1	1	1	1	4	2	1.8
US 79	3	5	5	2	2	2	3.1
FM 969	4	3	3	3	3	7	3.4
SH 80	3	5	4	3	5	8	4.3
SH 99	0	2	4	8	2	2	3

Exhibits and Schematics

- PMO develops exhibits and schematics of the projects in the prioritization list to show:
  - Roadway Footprint and Cross Section
  - Proposed Right of Way & Impacts to Property
  - Potential utilities in conflict
  - Environmental conflicts



TYPICAL SECTION - EXISTING



TYPICAL SECTION - PROPOSED

Public Engagement

- All data is uploaded to Fort Bend County website for public engagement
- Residents can go online to view proposed projects
  - Location
  - Exhibits
  - Estimates
- On election day, the Bond Projects are voted on by residents

Speaker: Gabriel Odreman

1 Feasibility study – Bond Planning

2 Design Stage

3 Bidding and Construction Phase Services

Phase 2 – Design Stage

- PMO represents FBC in all aspects of design for each bond project
- Develops Plans, Specifications and Estimates
- PMO manages the design from negotiation to letting

Speaker: Gabriel Odreman

Design Process

PMO acts as client representative

PMO guides consultants through submittals

- PER
- 30%, 60%, 95%, 100%

FBC Engineering review at 95% Submittal

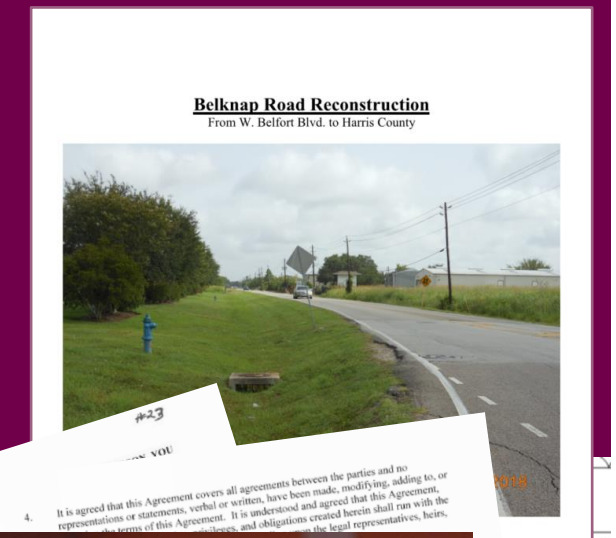
- RPS Ensures all comments have been addressed

PMO Helps coordinate utility relocation

PMO helps Finalize ROW acquisition and Temporary Construction Easements

PMO manages stakeholder agreements

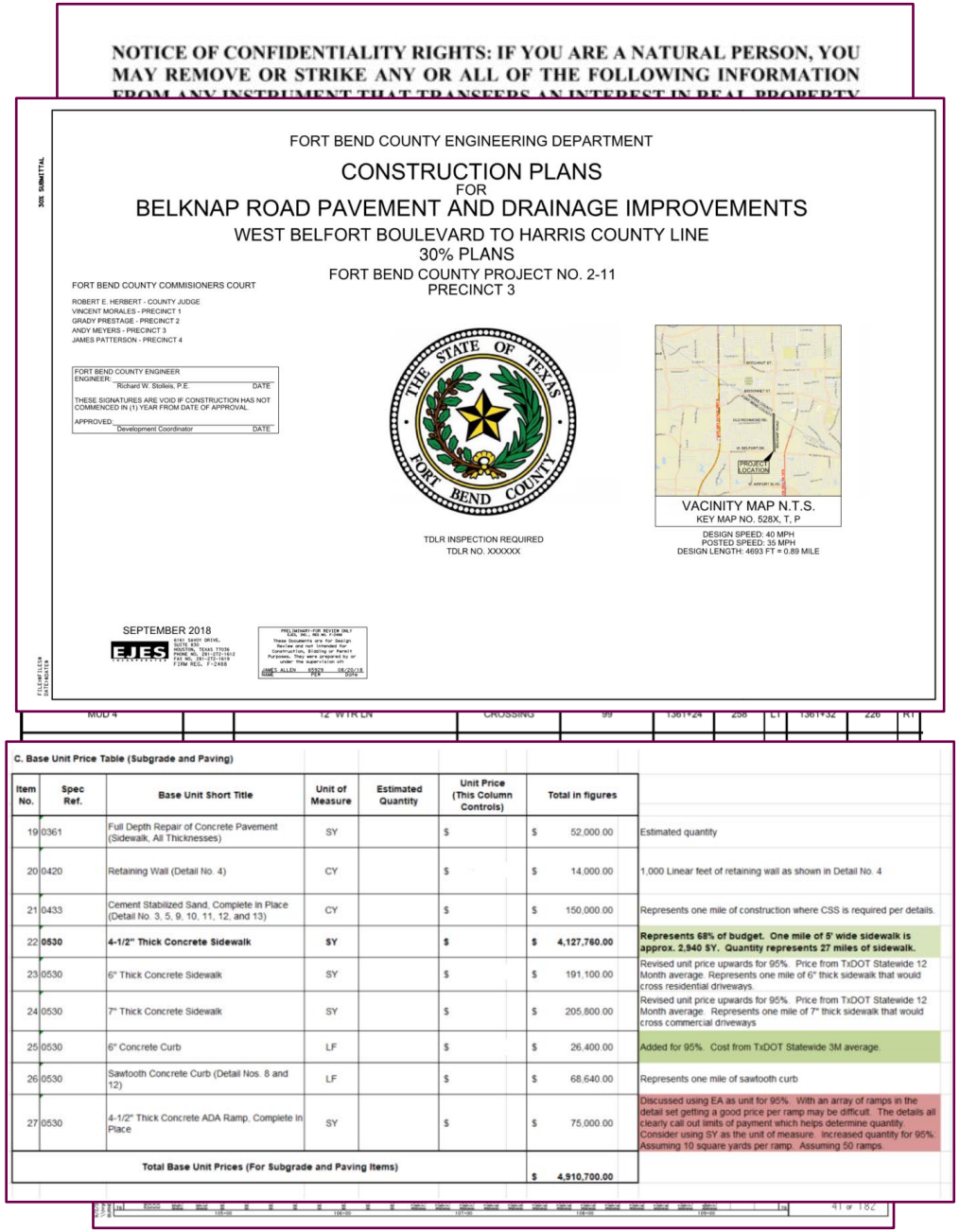
Project Moves to Bid Phase



Speaker: Gabriel Odreman

Submittal Documents

PER Report	30% submittal
ROW and Temporary Construction Easement acquisition	Begin after PER approval
Utility Conflict table	Coordinates with utility company at every submittal
Plans, Specifications and Estimates	30%, 60%, 95% and 100% submittal



NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OR ALL OF THE FOLLOWING INFORMATION

FORT BEND COUNTY ENGINEERING DEPARTMENT

CONSTRUCTION PLANS
FOR
BELKNAP ROAD PAVEMENT AND DRAINAGE IMPROVEMENTS
WEST BELFORT BOULEVARD TO HARRIS COUNTY LINE
30% PLANS
FORT BEND COUNTY PROJECT NO. 2-11
PRECINCT 3

FORT BEND COUNTY COMMISIONERS COURT

ROBERT E. HERBERT - COUNTY JUDGE
VINCENT MORALES - PRECINCT 1
GRADY PRESTAGE - PRECINCT 2
ANDY MEYERS - PRECINCT 3
JAMES PATTERSON - PRECINCT 4

FORT BEND COUNTY ENGINEER
ENGINEER: Richard W. Stolleis, P.E. DATE

THESE SIGNATURES ARE VOID IF CONSTRUCTION HAS NOT COMMENCED IN (1) YEAR FROM DATE OF APPROVAL.

APPROVED: Development Coordinator DATE

THE STATE OF TEXAS · FORT BEND COUNTY

TDLR INSPECTION REQUIRED
TDLR NO. XXXXXX

VACINITY MAP N.T.S.
KEY MAP NO. 528X, T, P

DESIGN SPEED: 40 MPH
POSTED SPEED: 35 MPH
DESIGN LENGTH: 4693 FT = 0.89 MILE

SEPTEMBER 2018

EJES

C. Base Unit Price Table (Subgrade and Paving)

Item No.	Spec Ref.	Base Unit Short Title	Unit of Measure	Estimated Quantity	Unit Price (This Column Controls)	Total in figures	
19	0361	Full Depth Repair of Concrete Pavement (Sidewalk, All Thicknesses)	SY		$	$ 52,000.00	Estimated quantity
20	0420	Retaining Wall (Detail No. 4)	CY		$	$ 14,000.00	1,000 Linear feet of retaining wall as shown in Detail No. 4
21	0433	Cement Stabilized Sand, Complete In Place (Detail No. 3, 5, 9, 10, 11, 12, and 13)	CY		$	$ 150,000.00	Represents one mile of construction where CSS is required per details.
22	**0530**	**4-1/2" Thick Concrete Sidewalk**	**SY**		**$**	**$ 4,127,760.00**	**Represents 68% of budget. One mile of 5' wide sidewalk is approx. 2,940 SY. Quantity represents 27 miles of sidewalk.**
23	0530	6" Thick Concrete Sidewalk	SY		$	$ 191,100.00	Revised unit price upwards for 95%. Price from TxDOT Statewide 12 Month average. Represents one mile of 6" thick sidewalk that would cross residential driveways.
24	0530	7" Thick Concrete Sidewalk	SY		$	$ 205,800.00	Revised unit price upwards for 95%. Price from TxDOT Statewide 12 Month average. Represents one mile of 7" thick sidewalk that would cross commercial driveways
25	0530	6" Concrete Curb	LF		$	$ 26,400.00	Added for 95%. Cost from TxDOT Statewide 3M average.
26	0530	Sawtooth Concrete Curb (Detail Nos. 8 and 12)	LF		$	$ 68,640.00	Represents one mile of sawtooth curb
27	0530	4-1/2" Thick Concrete ADA Ramp, Complete In Place	SY		$	$ 75,000.00	Discussed using EA as unit for 95%. With an array of ramps in the detail set getting a good price per ramp may be difficult. The details all clearly call out limits of payment which helps determine quantity. Consider using SY as the unit of measure. Increased quantity for 95%. Assuming 10 square yards per ramp. Assuming 50 ramps.
Total Base Unit Prices (For Subgrade and Paving Items)						**$ 4,910,700.00**	

1 Feasibility study – Bond Planning

2 Design Stage

3 Bidding and Construction Phase Services

PHASE 3 – BIDDING AND CONSTRUCTION PHASE SERVICES

- Helps bidding process and recommends Contractor
- Continues to work with Design Consultant, FBC Engineering and stakeholders throughout construction
- Assists in RFIs and Submittals

Speaker: Gabriel Odreman

MAKING COMPLEX EASY

Bidding

PMO Delivers project manual, bid sheet, and plan set

PMO puts together bid tabulation

- Input bid items and prices into bid tabulation
- Check for discrepancies in item prices

PMO gets in touch with lowest bidder's references

Issue Award Recommendation Letter

FBC Mobility Bond Project No. 13219X - Lift Station at Packer Ln
Bid Tabulation
Prepared by RPS
July 13th 2021

A. BASE UNIT PR

Item No.	Spec Ref.	
1	01502	M
2	02233	C
3	01570	S
4	02530	D
5	02531	E
6	02745 02320	P D M
	02531	F D T T
	02532	F D E H
	02082	A M E 0
	01010	H 2" C A G E
11	Division 16	E T H

rps MAKING COMPLEX EASY

1160 N Dairy Ashford
Suite 500
Houston, TX 77079
T +1 281 589 7257

Date: October 26th, 2020

Fort Bend County
Purchasing Department
301 Jackson, Suite 201
Richmond, Texas 77469

Attn: Jaime Kovar

Re: 21-017 Mobility Bond Project No. 17204 - Paving and Drainage Improvements on Beechnut Road

Dear Jaime,

Bids were received for the referenced contract at Fort Bend County's Purchasing Department office on Tuesday, October 20th, 2020 at 2:00 PM. Bids were opened and read at that time.

Six (6) contractors submitted proposals for this work. A summary tabulation of the bids is enclosed for your review. AllGood Construction Co., Inc. submitted the lowest proposal in the amount of $3,745,396.96 base bid.

We find AllGood Construction Co., Inc., to be an acceptable contractor. We recommend the referenced contract be awarded to Allgood Construction Co., Inc based on their proposal in the amount of $3,745,396.96.

If you need additional information, please feel free to call me at 281.589.7257.

Yours sincerely,
for RPS Group, Inc

Gabriel Odreman, PE
Associate Project Manager
Gabriel.Odreman@rpsgroup.com

Cc (email): Stacy Slawinski, FBC Engineering
Ike Akinwande, FBC Engineering

Page 1

rpsgroup.com

Speaker: Gabriel Odreman

Construction Phase Services
Managing the design consultant

Arrange and coordinate Pre-Construction Meeting

PMO Coordinates RFI responses

PMO coordinates submittals

Attend Final Walkthrough

Help with closeout

Speaker: Gabriel Odreman

Even Attend Ribbon Cutting Ceremonies!

Speaker: Gabriel Odreman

Summary

Program managers help identify the needs of projects….

….PM is there until the project is complete…

….so that means less phone calls, less emails and less stress for our client!

Speaker: Gabriel Odreman

QUESTIONS?