

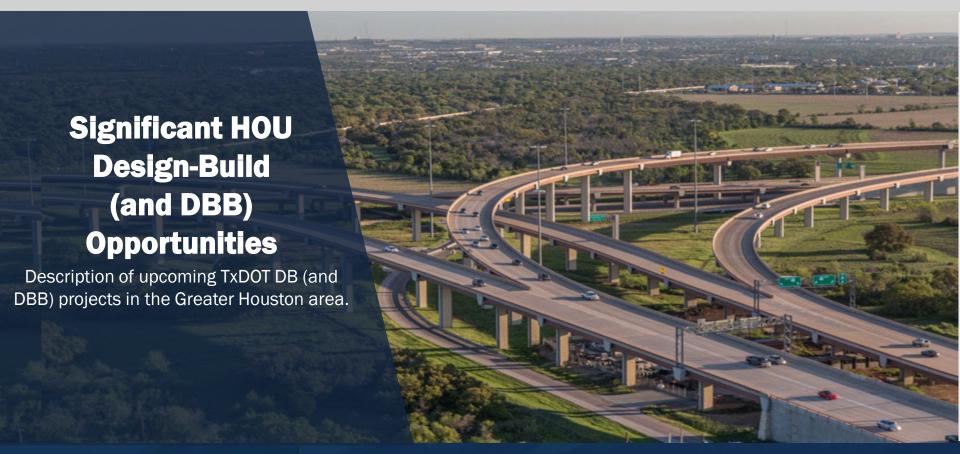
# **Program - HOU District**

Varuna Singh, PE

**Grady Mapes, PE** 

Kenneth J. Shirley, PE, CCM, DBIA

#### **Local DB (and DBB) Opportunities**



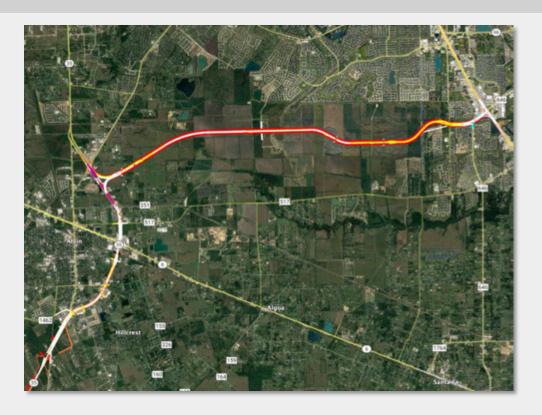
#### **Local DB (and DBB) Opportunities**



#### SH 99/Grand Parkway Segment B-1

- Primacy Obtained: February 7, 2023
- Total Project Length: 13.8-Miles
- Limits: I-45 South to South of FM 2403
- Industry Workshop April 11<sup>th</sup> 1-4pm
- RFQ Jan 2025
- RFP July 2025
- NTP1 June 2026

(Dates are subject to change)

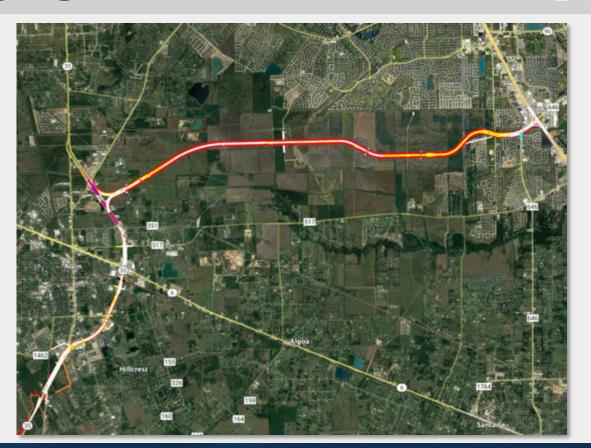


https://www.txdot.gov/projects/projects-studies/houston/sh99-grand-parkway.html



# SH 99/Grand Parkway Segment B-1

- Scope (from EIS) consists of:
  - Four-lane, divided toll facility, with discontinuous frontage roads
  - Grade separations
  - Direct Connectors
    - Four DC's at I-45
    - Two DC's at SH 35
- Current "landscape"
  - 2/3 greenfield
  - 1/3 "infield"
- Original EIS & ROD Nov 2016
- Re-evaluation in process



#### We've all been handed lemons...

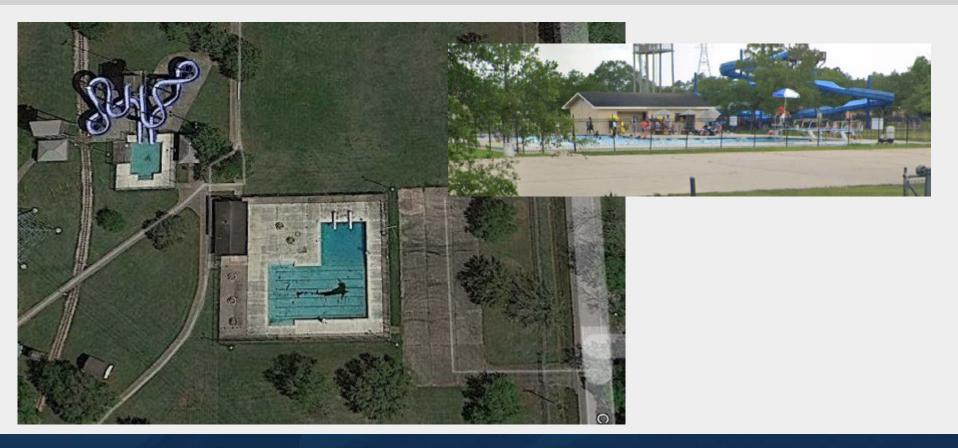






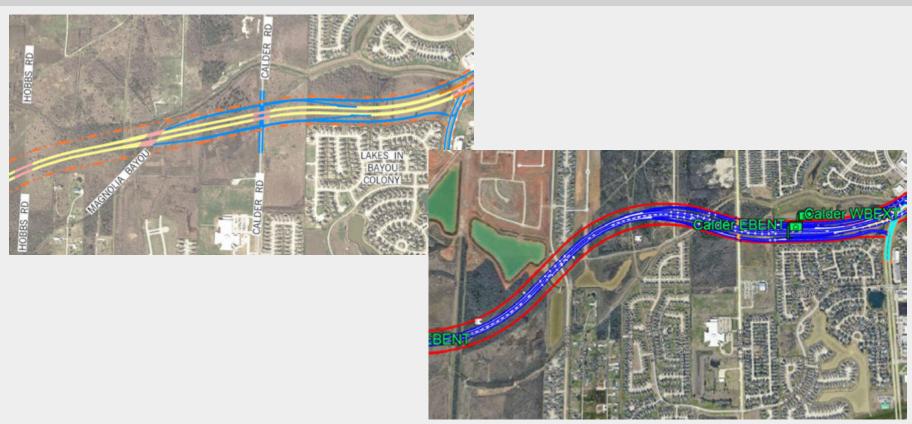
#### **"WHAT....IS....THIS?!?!"**





#### **Reverting Back to the DEIS Alignment**





#### "The Crossbow Interchange"





#### "Well, that escalated quickly."

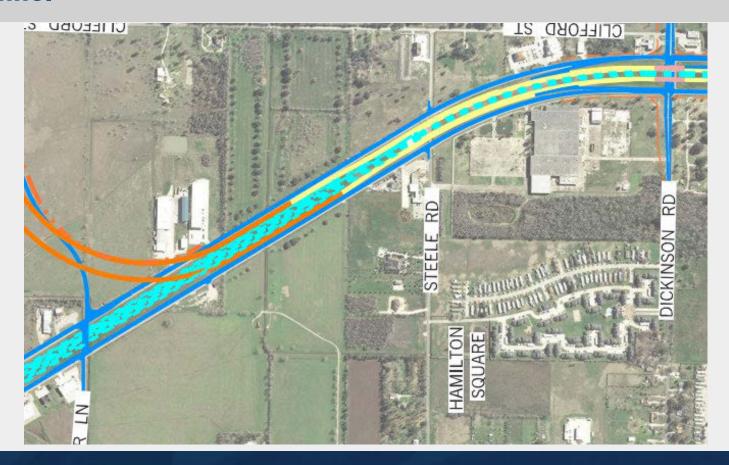






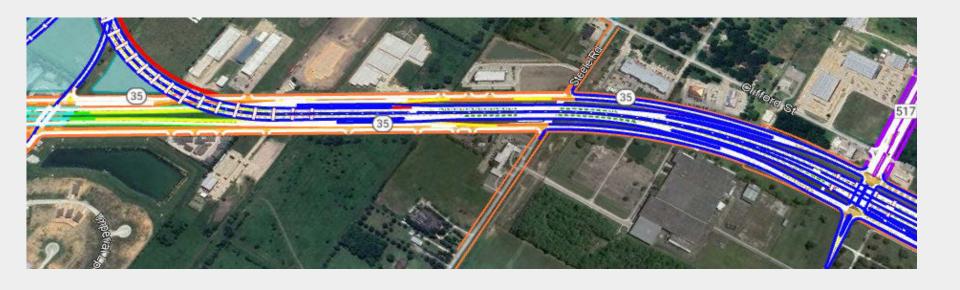
#### "The Funnel"





# **On and Off Ramps plus Toll Lanes**





#### "You can do it!"





#### Reversal of "ramp" configuration





#### **Braided Ramps**





#### "WHAT is going on here?!?!"





# 60+yr old pump station and flood prone sag





#### "WIN - WIN - WIN"



#### "What about us?"





#### "Ask and ye shall receive."



#### "All good things must come to an end......for now...





# "The flip-flop"





#### "20 years ago - Boggy Creek Monster; Today - What's in the pool?"



#### **Local D-B (and DBB) Opportunities**



#### **Alternative Delivery Project Selection – "The Funnel"**

50-75

**Projects** 

Resulting

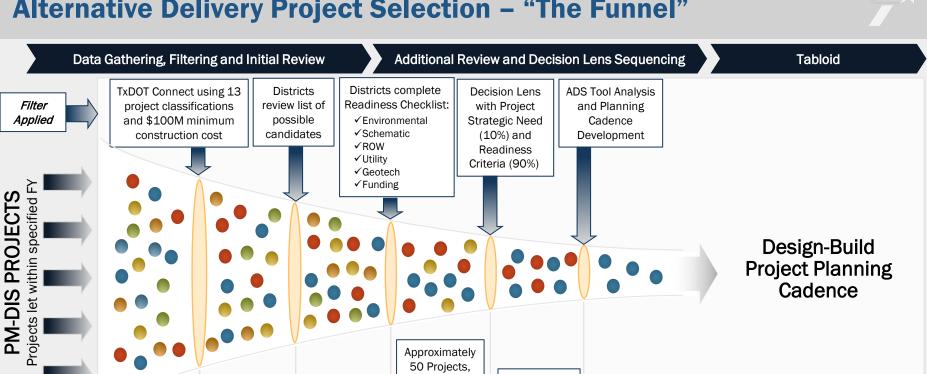
**Portfolios** 

2.000+

**Projects** 

250-300

**Projects** 



2024 CMA Conference March 26, 2024

rated using readiness

checklists and

additional

feedback

Approximately

50 Projects

sequenced

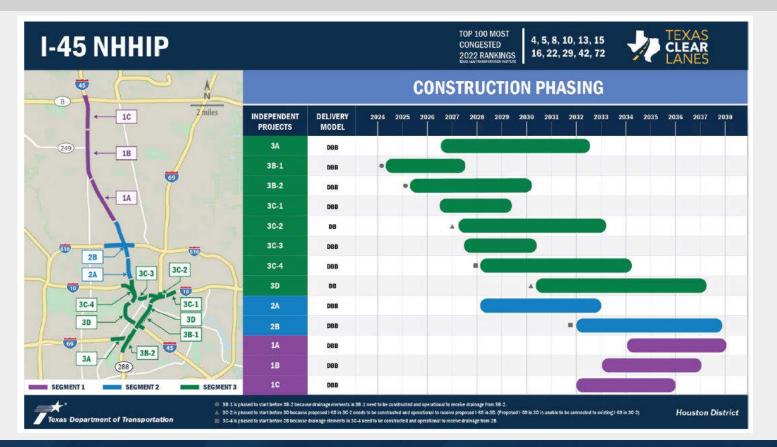
based on

scoring

Tabloid with DB Projects allocated per fiscal year

# North Houston Highway Improvement Project - NHHIP





#### **North Houston Highway Improvement Project - NHHIP**



 https://www.txdot.gov/content/dam/docs/business/peps/projectedcontracts/projected-contracts-list-2024.pdf
 PAGE 2

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	Wave 3 March 2024			Plans, Specifications and Estimates (PS&E)			Houston District	Ho	uston	<u>Kimlinh</u> <u>Nguyen</u>			John Mosaffa		Federal with Interview (DBE)	PS&E services for segment 2A of the NHHIP for the Houston District: I-45 from I-10 to south of I-610 north.
Name 3 March 2024	Plans, Specifications and Salmpins (PSSS)	Master Denni	_	=	-5	Parkers with Histories (1980)	PRAE common for sugment (6 of of the foliation for the same of street class).  Assure:	Market Dates		Pederal	ı	100				
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March 2504	Schematic./ Environmental	Name (Serve	Name .	total Season	tone factors	Federal with Stherings (166)	Scharuppa, Economistal services for the tissues: Datinot, 19 800 hore hards US 900 walls of the 20 ha Nesphore Mass, recommiss and wide from \$10.16 sees and use the Stap Channel Bridge to increase worked processing.	Neutro Delvis		Padents	,	100				
Wast 2 March 2024	Schematic/ Emergency	Name Ordered	Name	=	Page Martin	Federal with Interview (DMI)	Scientario, Contenuarias services for the Housean Owners. Se 225 files (Seegness Or. West of the 620 to Study of Section Co. Wissening Operational Improvements.	Assault Daniel	-	Federal	2	760				

#### **Design-Build Resources**

# HOU Alternative Delivery Program

- Potential future projects
- On-going CMAs
- Issues encountered so far
- Lessons learned



#### **IH 610 Ship Channel – Sydney Sherman Bridge**





#### **IH 610 Ship Channel – Sydney Sherman Bridge**





#### **Ongoing O&M**



- SH 249 in Montgomery and Grimes Counties CMA
- SH 99 H&I in Montgomery, Harris, Liberty and Chambers Counties CMA
- SH 288 in Harris County CDA

 SH 249 and SH 99 H&I are complemented by a District Total Maintenance Contract (TMC) that includes mowing, striping, ditch cleaning, MBGF repair, etc.

#### **Issues Encountered So Far**

Establishment of grass on slopes

Timing and Topsoil

Third Party damage

Run off road ruts Vehicle fire damage

Collision with walls

DBA Warranty Items that are also on CMAs

DBA stands alone; CMA stands alone

#### **Lessons Learned**

- Sub-divide Projects BEFORE starting NEPA process
  - Re-evaluations are complicated AFTER a sub-divide
  - You MUST re-evaluate the whole for the partial
  - You CANNOT sub-divide a re-evaluation

- GEC Contracts need to be FULL-service contracts
  - Engineering
  - ROW Acquisition
  - Utility Relocation

#### **Houston District Contacts**



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#### **Alternative Delivery Division Contacts**





TxDOT.gov, Search "Alternative Delivery Projects"

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To join the Alternative Delivery "E-Blast" Distribution email

Send email to: Alma.Piper@txdot.gov

Subject: "ALD E-Blast"



https://www.txdot.gov/business/road-bridgemaintenance/alternative-delivery.html



End the streak of daily deaths on Texas roadways.

TxDOT.gov (Keyword: #EndTheStreakTX)



