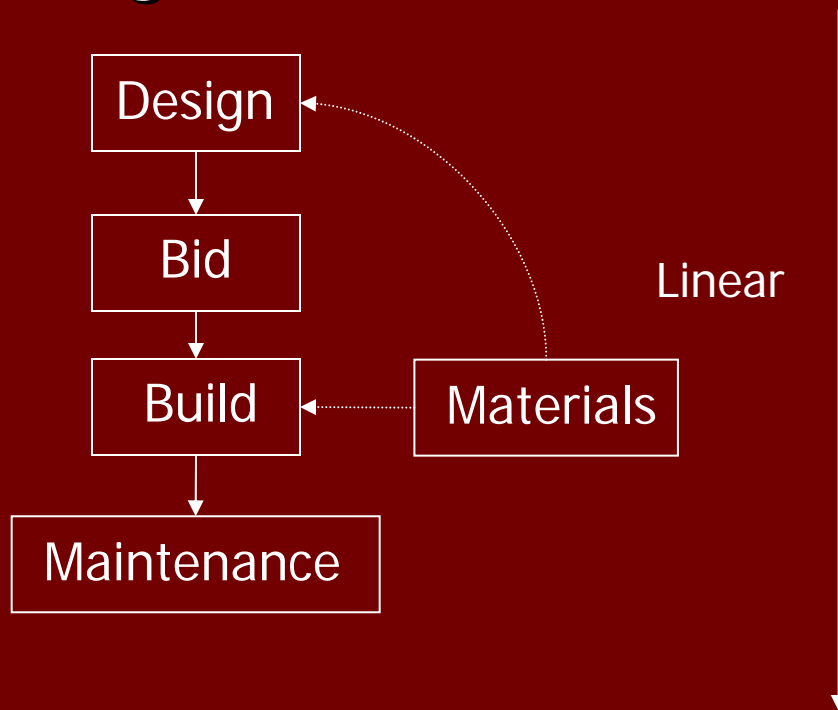


Design Build

Bringing Disciplines Together for
the Enhancement of Long Term
Assets

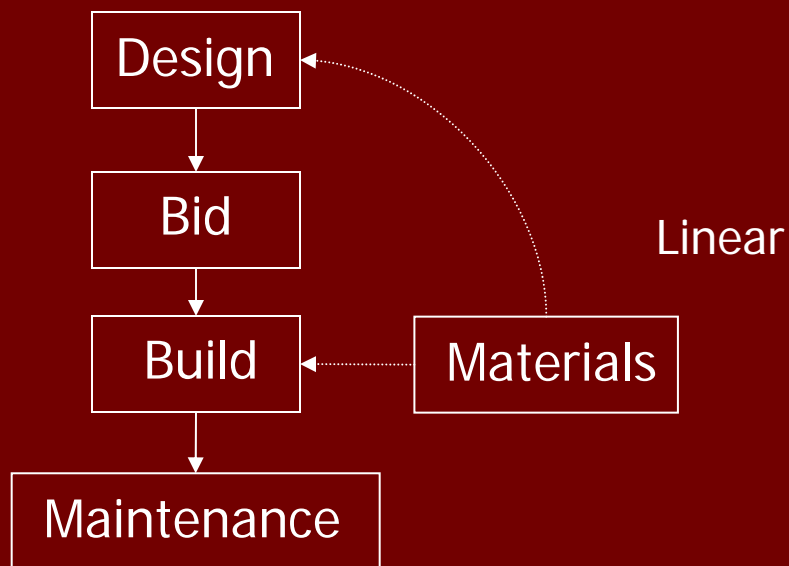
Comparison

■ Design-Bid-Build



Comparison

■ Design-Bid-Build

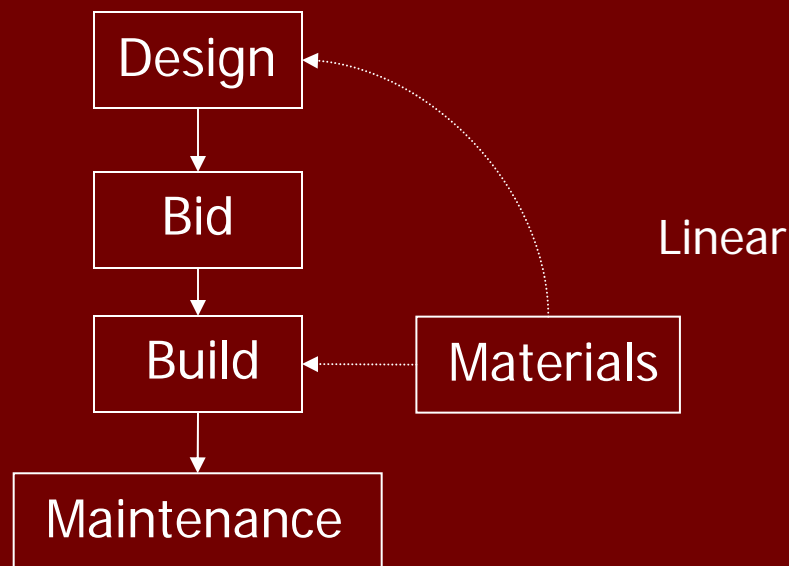


Separate Owner Managed Entities/Contracts

- Design Firm
- Construction Firm
- Maintenance

Comparison

■ Design-Bid-Build



Separate Owner Managed Entities/Contracts

- Design Firm
- Construction Firm
- Maintenance

Owner Risk (Schedule, Design/Construction Conflicts, Material Failures)

Quality = Pass/Fail

Comparison

■ Design-Build



Single Point of Responsibility

- Design
- Construction
- Maintenance

Design/Builder Risk
(Schedule,
Design/Construction
Conflicts, Material Failures)

Comparison

■ Design-Build



Quality = Systematic /
Process Approach

- Plan
- Do
- Check
- Act

Design – Build Quality Improvement

- Constructability Enhanced
 - Reduce Design Changes
 - Construction Sequence Improvement
 - Optimize Equipment Use

Design – Build Quality Improvement

Documentation

- Pass/Fail
- Quantity Accounting

- ✓ Deficiency tracking, Resolution History,
Material Quality Analysis vs. Test Result

Design Bid Build WORK REPORT

Project _____ County _____ Hwy. _____
 Item Description _____ Item Number _____
 Control-Section-Job _____ Plan Quantity _____
 Line Number _____ Unit of Measure _____

PAY QUANTITY	DESCRIPTION AND LOCATION	REMARKS

MEASUREMENTS AND CALCULATIONS

Measured and Calculated By _____ Date _____
 Checked By _____ Date _____ Report Number _____

John A. Roberts, P.E.

Design Build

SH 130 Turnpike Project

QA Inspector's Daily Inspection Report

Form No.: 000 0800-2
 Page No.: Page 1 of 2
 Date: August 11, 2006
 Revision No: 4

Inspections Conducted:		Work Hours: Began		Ended		Report #													
		1st Shift						E P I D		Y Y		M M		D D S N					
		2nd Shift																	
#	Seg	Sec	Roadway ID																
Div	Item	Des Code	Location	F.I.D.	Element	From	Limits	To	Inspection TY		Result								
							-		I	P	C	F	R	P	F				
Item description:										Failure shown on previous report # -									
Crew #		Crew Foreman:			Quantities:	Material Placed		Draw											
List any previous FCR, CDR & NCR #s related to this work -										Have they all been resolved?									
Enter T.I.N.s associated with this work -																			
Enter S.I.N.s associated with this work -																			
Are there any deficiencies with the work in this entry? Description:																			
Comments on Quality/Specification Compliance/Observations of work performed:																			
Conversation Log (Who, What, Where, Outcome):																			
Inspection Times																			
(Date/Time): Scheduled -										Ready-		Completed -		Total Inspection Time(Hrs) -					

John A. Roberts, P.E.