



U.S. Department of Transportation
Federal Highway Administration

Indefinite Delivery Indefinite Quantity Contracting for Preservation Projects

Jeff Lewis

Resource Center, Construction Program Management-tst

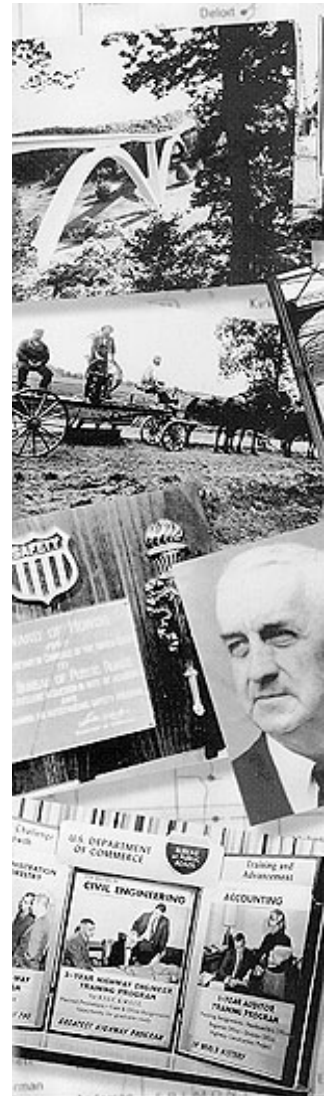
Federal Highway Administration

Sacramento, CA (916) 498-5035

Jeff.Lewis@dot.gov

Historical Background

- FHWA Procurement Requirements and SEP-14
 - Mid-1800's - many States adopt "low bid" requirements
 - 1938 Federal Highway Act required competitive bidding
 - 1968 Federal Highway Act revised Title 23 USC to award construction contracts " . . . only on the basis of the lowest responsive bid"
 - February 2, 1990 – FHWA establishes an experimental program titled "Special Experimental Project No. 14 – Innovative Contracting"



SEP-14 Milestones



Alternative Contracting Overview

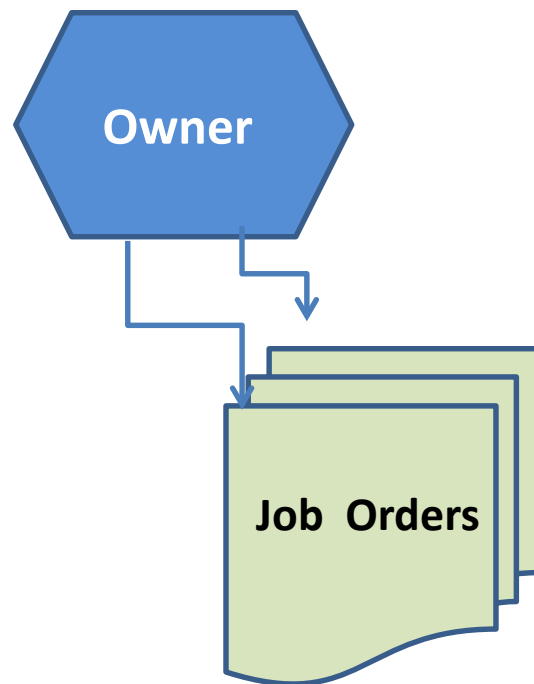
- Non-Experimental (A+B bidding, lane rental, warranties, Design-Build, CM/GC, additive bidding, alternate pavement type bidding)
- Experimental (best-value, job order contracting, etc.)

Other SEP-14 Pilot

- **ID/IQ – Indefinite Delivery/Indefinite Quality**
- Best-Value
- Performance-Based Contractor Prequalification and Procurement
- D-B-B ATC's
- Alliance Contracting
- FHWA/HUD, USDOT “Contracting Initiative”

Indefinite Delivery/Indefinite Quantity Contracts

ID/IQ



- *Definition - "An ID/IQ contract provides for an indefinite quantity of supplies and/or services whose performance and delivery scheduling is determined by placing work orders with one or multiple contractors during a fixed period of time"*
- Also known as "job order, task order, area-wide, continuing" contracts
- Selection based on the lowest bid or bid factor for a given estimated scope
- Appropriate for preventive maintenance and recurring tasks
- [NCHRP Synthesis 473](#)

NYSDOT Sample Job Order Projects

- Culvert Replacement
- Culvert Lining
- Replace Bridge Joints
- Concrete Pier Repair
- Replace Bridge Bearings
- Replace Bridge Deck
- Slope Failures
- Shoulder Repair



NCHRP Synthesis 473

- ID/IQ Use

TABLE 3.1 IDIQ Policies and Procedures

Policies and Procedures	Answers and Observations	Frequency of Observations (out of 41)	Frequency %
Delivery Method used for IDIQ Contracts	DBB	17	51%
	DB	5	12%
	CMGC	4	10%
Type of Work	Design	38	93%
	Construction	24	59%
	Maintenance	32	78%
Average Number of IDIQ Contracts Awarded per Year	1-2	3	7%
	3-5	5	12%
	6-10	3	7%
	>10	15	37%
Classification by Location(s)	City-wide	1	2%
	County-wide	5	12%
	District-wide	18	44%
	State-wide	19	46%
	Other	4	10%
Use of Multiple Award IDIQ Contracts	Yes	17	41%
	No	9	22%
	Unknown	15	37%
Use of IDIQ Contracts in Emergency Situations	Yes	13	32%
	Unknown	28	68%

SEP-14 ID/IQ Award Methods

- Bids based on estimated quantities – contractors bid unit prices, task orders issued based on bid prices; (MN)
- Same as above, but multiple awards made, tasks orders issued based on lowest bid for quantities in task order (DE)
- Construction Task Catalogue – contractors bid markup rates for defined tasks; job orders issued based on markup rates (NY, NJ, MO)

NYSDOT JOC Contract Documents

- Construction Task Catalog
 - Tasks with Pre-Set Unit Prices

Full Description of Task				Price Includes Labor, Material and Equipment	
02522	Corrugated Metal Pipe				
02522	1000	Galvanized Corrugated Steel Pipe			
02522	1100	2-2/3"x1/2" Corrugation, Galvanized Steel Pipe			
02522	1110	16 Gauge			
02522	1111	LF	12" Galvanized Corrugated Steel Pipe, Plain, 16 Gauge, 2 2/3" x 1/2" Corrugation	15.25	4.57
02522	1120	For Asphalt Coated Pipe, Add		1.39	
02522	1121	For Asphalt Coated And 25% Paved, Add		2.85	
02522	1122	For Smooth-Flo, Add		5.08	

Modifiers for Variations or Quantity Discounts

Demolition Price If Applicable

ID/IQ - Contract Administration Reminder

“Do you have an agreement with your FHWA Division office on what activities are considered as pavement preservation vs system preservation vs maintenance?”

ID/IQ - Contract Administration Reminder

- All FHWA construction contract administration requirements apply
 - 23 CFR 635
 - NEPA
 - Buy America
 - FHWA Form 1273
 - Davis-Bacon
 - Etc.
- SEP-14 - Requires
 - FHWA HQ's approval
 - Workplan
 - Evaluation Plan (typically 2-3 years to determine if to make mainstream)

Will SEP-14 Ever End?

 Construction					
Quality Management & Coordination Details Safety Materials Contract Administration					
FHWA > Engineering > Construction > Contract Admin > SEP-14 Appro					
Construction Guide Fact Sheets Links Memos Publications Research Reviews Technical Advisories Training & Workshops	SEP-14 Active Project List (not including design-build prior to 1/1/2003)				
	Sort table by clicking on column header				
	<u>State</u>	<u>Contracting / Project Delivery Technique</u>	<u>Brief Description / Location</u>	<u>Workplan</u>	<u>Evaluation</u>
	MI	Alternate Pavement Type Bidding	M-6 Southbelt and other projects	September 01, 2000	August 01, 2001 July 10, 2009
	KY	Alternate Pavement Type Bidding	US 27 Laurel County	July 09, 2004	
	MI	Alternate Pavement Type Bidding	M-31		March 08, 2012 (.pdf)
	KY	Alternate Pavement Type Bidding	I-65 Simpson County	December 14, 2005	April 08, 2008
	OH	Alternate Pavement Type Bidding	I-70 in Clark and Madison counties	March 02, 2004	December 01, 2004
	IN	Alternate Pavement Type Bidding	Ten projects at various locations in Indiana	November 17, 2009	
	AL	Alternate Pavement Type Bidding	Appalachia corridor projects	June 22, 2004	
	KS	Alternate Pavement	K-18 from Manhattan to I-70	October 01, 2009	

Contact
 Jerry Yal
 Office of I
 202-366-
 E-mail Je

Alternative Contracting Methods (ACMs) Library

The Federal Highway Administration supports the deployment of Alternative Contracting Methods-Design-Build (D-B), Construction Manager/General Contractor (CM/GC), Alternate Technical Concepts (ATC)-to accelerate project delivery, encourage the deployment of innovation, and minimize unforeseen delays and cost overruns.

In traditional highway construction contracting (design-bid-build), cost is generally the one criterion that determines the winning bid. As State and local agencies strive to meet customer needs, factors such as quality, delivery time, social and economic impact, safety, public perception, and life-cycle costs have gained in importance. Since the 1990s, the FHWA has been supporting the use of these innovative alternative contracting methods to help achieve these goals.

* This Library has been assembled to provide access to Samples of documents prepared by State legislatures, and transportation owner agencies in the execution of roadway construction contracting, deploying these methods. It does not constitute a standard, specification, or regulation.

- [Design-Build \(D-B\)](#)
- [Construction Manager/General Contractor \(CM/GC\)](#)
- [Alternative Technical Concepts \(ATC\)](#)
- [Quick Reference, Background Material, and Useful Information](#)

ACM Technical Contacts

ACM Deployment	ATC	CM/GC	D-B
Team Manager Rob Elliott FHWA Resource Center (Atlanta) (404) 562-3941 rob.elliott@dot.gov	Lead David Unkefer FHWA Resource Center (Atlanta) (404) 562-3669 david.unkefer@dot.gov	Lead John Haynes Utah Division Office (801) 955-3526 john.haynes@dot.gov	Lead Jeff Lewis FHWA Resource Center (Sacramento) (916) 498-5035 Jeff.lewis@dot.gov
Team Lead Jeff Lewis FHWA Resource Center (Sacramento) (916) 498-5035 Jeff.lewis@dot.gov		Co-Lead Ken Atkins FHWA Resource Center (Lakewood) (720) 963-3416 kenneth.e.atkins@dot.gov	

Events

- **EDC-3 3D Workshop**
Oregon
August 2016
- [View More Events](#)

More Information

- [Quick Reference, Background Material, and Useful Information](#)

Contacts

- **Rob Elliott**
[FHWA Resource Center \(Atlanta\)](#)
404-562-3941
[E-mail Rob](#)
- **Jeff Lewis**
[FHWA Resource Center \(Sacramento\)](#)
916-498-5035
[E-mail Jeff](#)



Indefinite Delivery Indefinite Quantity Contracting for Preservation Projects Jeff Lewis

Thank You!