

# Understanding & Negotiating Payment Types

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# **Presentation Topics**

Understanding Payment Types

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 Negotiating Specified Rate and Lump Sum

# Understanding Payment Types Martha

# **Elements of Each Payment Type**



# **Common Payment Types**



### Specified Rate (SR)

 Payment is made for each hour worked and includes all labor costs. Other Direct Expenses are paid. No guarantee of "maximum amount not to exceed".

# Lump Sum (LS)

 Payment is made for each deliverable and includes all costs. Maximum not to exceed = guaranteed lump sum for contract.

### Unit Cost (UC)

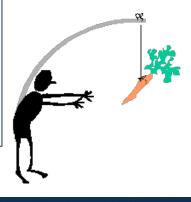
 Payment is made for each completed unit and includes all costs. No guarantee of "maximum amount not to exceed".

# **Less Common Payment Type**



# Cost plus Fixed Fee (CPFF)

- Payment is made for each hour based on actual salary rates.
- Overhead rate is provisional and may be audited.
- Profit rate is negotiated.
- The prime provider's profit \$ is guaranteed as the Fixed Fee
   incentive to maximize efficiency.
- No guarantee of "maximum amount not to exceed" for contract.



# **How does Risk vary by payment type?**

Agreement with the Provider	SR	LS	UC	CPFF	Impact to Risk
TxDOT pays for actual hours spent	-				Reduces risk of overpayment
TxDOT pays for complete deliverables		1	1		Reduces risk of needing more money
TxDOT pays for other costs as needed	-			-	Reduces risk of overpayment
Fixed Fee is guaranteed				1	Risk of overpayment of profit is balanced by only paying for actual hours and cost
Max amount not to exceed is guaranteed					Increases risk of overpayment
Documentation required for hours, costs	-			-	Reduces risk of overpayment

For vague or variable scopes – Specified Rate or Cost Plus Fixed Fee should be used:

- Tracking hours and requiring documentation of costs gives more control to PM
- When profit is tied to hours (SR), there is no incentive to finish. A Fixed Fee (CPFF) is a great incentive!



# **Payment Types for Standard Disciplines**



	Cost Plus Fixed Fee	Specified Rate (SR)	Unit Cost (UC)	Lump Sum (LS)
Engineering				
Advanced Planning		*	$\Rightarrow$	
Bridge Inspection		*	*	
Construction Engineering Inspection		*	$\Rightarrow$	
Construction Phase Services		*		
Geotechnical Engineering / Services		*	*	
Materials Engineering / Testing		*	*	
Plans, Specifications and Estimate	*	*	$\stackrel{\wedge}{\boxtimes}$	
Repetitive Tasks			*	
Schematic Design and Environmental	*	*	$\Rightarrow$	
Surveying		*	*	$\stackrel{\wedge}{\Longrightarrow}$
Architecture				

For these disciplines, UC may be used for a part of the overall contract – e.g.
Surveying, Materials testing, etc.

#### **Best Practices:**

when scope is well defined, and schedule is controlled by TxDOT and the Provider.

# Negotiating Specified Rate and Lump Sum

Mindy

# **Combination of Specified Rate & Lump Sum**



Two-phase approach

1. Schematic / Environmental

2. PS&E

Not well defined and many unknowns

Well defined

# **Combination of Specified Rate & Lump Sum**



Plans, Specifications & Estimate

Level of Effort shown as Specified Rate Level of Effort shown as Deliverables for Lump Sum

North

South\*

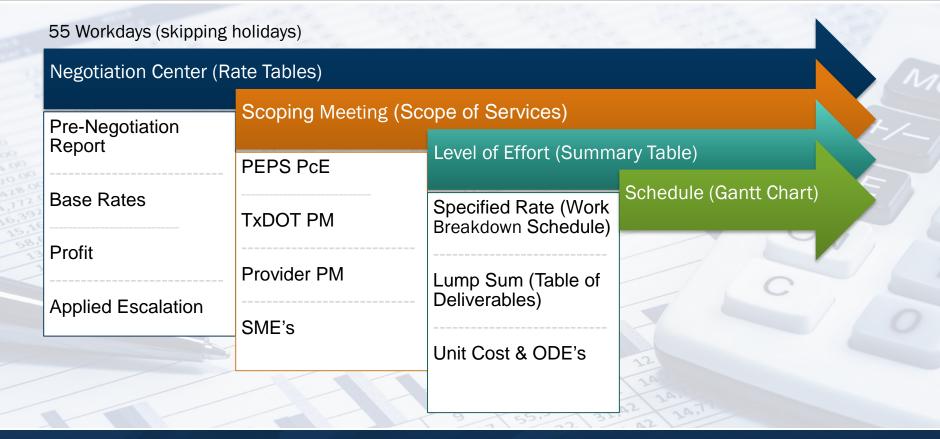
\*Many unknowns

North

South



# **Negotiations and Development of the Attachment E - Fee Schedule**



# LOE - Specified Rate - WBS - Sch / Env (North & South)

3	TASK DESCRIPTION Schem-ENV			
5	Work Authorization Termination Date:	Project Manager	Engineer (Design)	Engineer (Project)
6	CONTRACT RATE PER HOUR - SPECIFIED RATES	\$1.00	\$1.00	\$1.00
7	csJ: 0001-01-001	\$1.00	\$1.00	\$1.00
8	FC 102(110)- FEASIBILITY STUDIES			
9	Route and Design Studies			
10	Prepare/submit alignment and proposed roadway schematic (including associated MS Office and MicroStation media files)	1.00 HR	1.00 HR	1.00 HR
11	Produce, obtain, review, and evaluate traffic data (e.g. existing, 25-yr projected, etc.)			

3	TASK DESCRIPTION Schem-ENV				1
5	Work Authorization Termination Date:	ative/Cl	TOTAL LABOR HRS AND COSTS	NO. OF DRAWINGS	LABOR HRS PER SHEET
6	CONTRACT RATE PER HOUR - SPECIFIED RATES	7			
7	csj: 0001-01-001	1			
8	FC 102(110)- FEASIBILITY STUDIES				
9	Route and Design Studies				
10	Prepare/submit alignment and proposed roadway schematic (including associated MS Office and MicroStation media files)		3.00	1.00	3.00
11	Produce, obtain, review, and evaluate traffic data (e.g. existing, 25-yr projected, etc.)				

# **LOE – Lump Sum – Table of Deliverables – PS&E (North & South)**



TABLE OF DELIVER	ABLES					
for						
Lump Sum Payment	Lump Sum Payment Method					
Summary of Activities and Deliverable Items	Summary of Lump Sum Payments					
FC 102(110)	\$1.00					
FC 120(120)	\$1.00					
FC 130(130)	\$1.00					
FC 160(150)	\$1.00					
FC 160(160)	\$1.00					
FC 160(161)	\$1.00					
FC 160(162)	\$1.00					
FC 160(163)	\$1.00					
FC 145(145,164)	\$1.00					
FC 160(170)	\$1.00					
(Add or delete Function Codes (FCs) applicable to specific project.)						
	\$10.00					

# **LOE – Lump Sum – Table of Deliverables – PS&E (North & South)**



8		-	TxDOT Instructions						Provider I	nstructions	
Partial payments of Provider must comprogress of work a	on Lump Sum and plete the entire special with the special spec	e not allow deliverab he deliver	owing Table of Deliverables.  wed (i.e. partial payment on each line item is not allowed).  le associated with the line item. (The percentage of work is only an indicator of the	The entire deliverable for each line item shown must be completed before the lump sum amount can be paid.  This method will require tracking of paid line items based upon the TOD shown.			The provider shall include this document as an attactor each Invoice Package:			ents hown below. All em), according nt on a line item	
Function Code	Deliverable S		Summary of Activities and Deliverable Items	Estimated Percentage of Work by Function Code	Lump Sum Amount Payable for listed Deliverables	Cumulative Total By Function Code	Cumulative Percentage of Work by Function	Date Deliverables Submitted to the TXDOT PM (Deliverable subject to acceptance according to the terms of the contract.)	Provider Invoice Number	Provider Invoice Date (date submitted for payment)	Total Amount Billed (per line item)
1 FC 102(110) 2 FC 120(120) 3 FC 130(130) 4 FC 160(150) 5 FC 160(161) 7 FC 160(161) 7 FC 160(162) 8 FC 160(163) 9 FC 160(170) (Add or delete FCs applicable to specific project.)	Preliminary Eng										\$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00 \$0.00
3				Sub-Total	\$0.00	\$0.00	#DIV/0!				\$0.0

# **LOE – Lump Sum – Table of Deliverables – PS&E (North & South)**



20	Function Code	Deliverable Submittal	Summary of Activities and Deliverable Items	Estimated Percentage of Work by Function Code	Payable for listed Deliverables	Cumulative Total By Function Code	Cumulative Percentage of Work by Function
21	FC 102(110)		Data Collection, Design Criteria	1.00%	\$1.00		
	FC 120(120)						
	FC 130(130)						
	FC 160(150)						
	FC 160(160)						
	FC 160(161)						
	FC 160(162)	Preliminary Engineering					
20	FC 160(163) FC 160(170)	, , ,					
29	(Add or delete						
	FCs applicable to						
30	specific project.)						
31	-p-2mo projecti						
32							
33				Sub-Total	\$0.00	\$0.00	#DIV/0!

# **55 Workdays of Negotiations**

- Start with the Provider's LOE
- TxDOT compares to an independent LOE and counters

First Round

Second Round (can complete early)

- Provider reviews and counters
- TxDOT reviews and counters

- Provider reviews and provides their last counter
- TxDOT reviews and provides the last offer

Third Round / Last Round (negotiations should be complete)

# **Payment Type - Personalities**









