Washington State Department of Transportation

Bridge Quantities

Bridge No. _____ Date _____

St. Item No.	Item Use	Item Description	Quantity	Unit of Measure
0001	Std. Item	Mobilization	_____	L.S.
0061	Std. Item	Removing Portion of Existing Bridge	_____	L.S.
0061		Type _____ Area SF/SM _____		

Drilled Holes: Less than 12" long: Greater than 12" long:

Number	Diameter	Number	Diameter	Length
_____	_____ Inch	_____	_____ Inch	_____ LF
_____	_____ Inch	_____	_____ Inch	_____ LF
_____	_____ Inch	_____	_____ Inch	_____ LF

Core Drilled Holes: *Less than 12" long*: *Greater than 12" long:*

Number	Diameter	Number	Diameter	Length
_____	_____ Inch	_____	_____ Inch	_____ LF
_____	_____ Inch	_____	_____ Inch	_____ LF
_____	_____ Inch	_____	_____ Inch	_____ LF

0071	Std. Item	Removing Existing Bridge	_____	L.S.
		Type _____ Area _____ SF		
0259	GSP Item	Work Access	_____	L.S.
		Type _____ Area _____ SF		
4001	GSP Item	Temporary Bridge	_____	L.S.
		Type _____ Area _____ SF/SM		
4006	Std. Item	Structure Excavation Class A Incl. Haul	_____	CY

Dry (includes unsuitable if specified by Geotech Report

Pier	Soil
_____	_____ CY
_____	_____ CY
_____	_____ CY
_____	_____ CY

Cofferdam:

Pier	Soil	Rock
_____	_____ CY	_____ CY
_____	_____ CY	_____ CY
_____	_____ CY	_____ CY
_____	_____ CY	_____ CY

4010	Sp. Prov.	Special Excavation	_____	CY

Pier	Soil
_____	_____ CY
_____	_____ CY
_____	_____ CY
_____	_____ CY

St. Item No.	Item Use	Item Description	Quantity	Unit of Measure
4013	Std. Item	Shoring or Extra Excavation Class A	_____	L.S.
		Dry:		

AVERAGE OVERALL HEIGHT

Pier	<6 ft.	6 ft. to 10 ft	10 ft. to 20 ft*.	>20 ft.*
_____	_____ SF	_____ SF	_____ SF	_____ SF
_____	_____ SF	_____ SF	_____ SF	_____ SF
_____	_____ SF	_____ SF	_____ SF	_____ SF
_____	_____ SF	_____ SF	_____ SF	_____ SF

COFFERDAM: AVERAGE OVERALL HEIGHT

PIER	<6 ft.	6 ft. to10 ft	0 ft. to 20 ft.*	>20 ft.
_____	_____ SF	_____ SF	_____ SF	_____ SF
_____	_____ SF	_____ SF	_____ SF	_____ SF
_____	_____ SF	_____ SF	_____ SF	_____ SF
_____	_____ SF	_____ SF	_____ SF	_____ SF

*INDICATE AVERAGE HEIGHT

7070	GSP Item	Rock Bolt	_____	Each
7071	GSP Item	Rock Dowel Type	_____	Each
4008	Std. Item	Rock Excavation For Shaft Including Haul	_____	CY
Varies	Std. Item.	Constructing _____ FT. Diam. Shaft	_____	LF
Varies	Std. Item	Shaft - _____ In. Diameter		LF
4053	Std. Item	Furnishing Soldier Pile		LF
4160	Std. Item.	QA Shaft Test	_____	Each
0256	Std. Item	Removing Shaft Obstructions	_____	Est.
Varies	GSP Item	Preboring For _____ Pile	_____	LF
4060	Std. Item	Furnishing and Driving Concrete Test Pile	_____	Each
4070	Std. Item	Furnishing Conc. Piling - _____ Diameter	_____	LF
4080	Std. Item	Driving Conc. Pile		
4085	Std. Item	Furnishing and Driving Steel Test Pile	_____	Each
4090	Std. Item	Furnishing Steel Piling	_____	FM
4095	Std. Item	Driving Steel Pile	_____	Each
4100	Std. Item	Furnishing and Driving Timber Test Pile	_____	Each
4105	Std. Item	Furnishing Timber Piling - Untreated	_____	LF
4107	Std. Item	Furnishing Timber Piling _____	_____	LF
4108	Std. Item	Driving Timber Pile - Untreated	_____	Each
4111	Std. Item	Driving Timber Pile _____	_____	Each
4116	Std. Item	Pile Splice - Timber	_____	Each
8376	Std. Item	Furnishing Steel Pile Tip or Shoe	_____	Each
4130	Std. Item	Placing Prestressed Hollow Concrete Pile _____	_____	Each
4140	Std. Item	Driving Prestreessed Hollow Concrete Pile _____	_____	
--	Sp. Prov.	Pile Loading Test	_____	LF
		No. of Tests Each _____ Pile Size _____ Ton/Tonne		
4144	Std. Item	Epoxy-Coated St. Reinf. Bar For _____	_____	LB
4148	Std. Item	Epoxy-Coated St. Reinf Bar For Bridge	_____	LB
4149	Std. Item	St. Reinf. Bar For Bridge	_____	LB
4151	Std. Item	St. Reinf Bar for _____	_____	LB

St. Item No.	Item Use	Item Description	Quantity	Unit of Measure
4151	Std. Item	St. Reinf Bar for _____	_____	LB
--	Sp. Prov.	Wire Mesh _____	_____	SY
4166	Std. Item	Lean Concrete _____	_____	CY
--	Std. Item	Conc. Class _____	_____	CY
4322	Std. Item	Conc. Class 4000 for Bridge	_____	CY
4202	Std. Item	Conc. Class 4000 for _____	_____	CY
4200	Std. Item	Conc. Class 3000 for _____	_____	CY
4325	Std. Item	Conc. Class 5000 for Bridge	_____	CY
4205	Std Item	Conc. CLass 5000 for _____	_____	CY
4324	Std. Item	Conc. Class 4000W for Bridge	_____	CY
4204	Std. Item	Conc. Class 4000W for _____	_____	CY
--	GSP Item	Conc. Class EA	_____	CY
--	SP Prov.	Conc. Class HE	_____	CY
4230	Std. Item	Structural Carbon Steel	_____	LB
4235	Std. Item	Structural Low Alloy Steel	_____	LB
4240	Std. Item	Structural High Strength Steel	_____	LB
4246	Std. Item	Cast Steel	_____	LB
4251	Std. Item	Forged Steel	_____	LB
4256	Std. Item	Cast Iron	_____	LB
4261	Std. Item	Malleable Iron	_____	LB
4267	Std. Item	Ductile Iron	_____	LB
4271	Std. Item	Cast Bronze	_____	LB
4299	Std. Item	Lagging	_____	SF
4280	Std. Item	Timber and Lumber - Untreated	_____	MBM
4282	Std. Item	Timber and Lumber - Creosote Treated	_____	MBM
4284	Std. Item	Timber and Lumber - Slats Treated	_____	MBM
4300	Std. Item	Superstructure (for Concrete Bridges) Bridge Plan Area _____ SF	_____	L.S.
4311	Std. Item	Bridge Deck (for Steel Bridges) Bridge Plan Area _____ SF	_____	L.S.
6945	Std. Item	Conduit Pipe 2” Diam.	_____	LF
4410	Std. Item	Bridge Railing Type _____	_____	LF
4420	GSP Item	Bridge Grate Inlet	_____	Each
7169	Std. Item	Structural Earth Wall	_____	SF
--	Sp. Prov.	_____	_____	_____
--	Sp. Prov.	_____	_____	_____
5656	Std. Item	Bridge Approach Slab	_____	SY

Breakdown of Items for Superstructure or Bridge Deck

St. Item No.	Item Use	Item Description	Quantity	Unit of Measure
--	Std. Item	Epoxy-Coated Steel Reinforcing Bar		LB
--	Std. Item	Epoxy-Coated Steel Reinforcing Bar (Traffic Barrier)		LB
--	Std. Item	Steel Reinforcing Bar		LB
--		Conc. Class _____		CY
--	Std. Item	Conc. Class 4000D		CY
--	Std. Item	Conc. Class 4000		CY
--	Std. Item	Conc. Class 5000		CY
--	Std. Item	Conc. Class _____ LS		CY
--	Std. Item	Structural Carbon Steel		LB
--	Std. Item	Structural Low Alloy Steel		LB
--	Std. Item	Structural High Strength Steel		LB
--	Std. Item	Cast Steel		LB
--	Std. Item	Cast Iron		LB
--	Std. Item	Malleable Iron		LB
--	Std. Item	Ductile Iron		LB
--	Std. Item	Cast Bronze		LB
--	Std. Item	Timber and Lumber - Untreated		MBM
--	Std. Item	Timber and Lumber - Creosote Treated		MBM
--	Std. Item	Timber and Lumber - Salts Treated		MBM
--	Sp. Prov.	Glulam Deck Panels		MBM
6945	Std. Item	Conduit Pipe 2” Diameter		LF
--	Std. Item	Bridge Railing Type _____		LF
--	Std. Item	Traffic Barrier		LF
4433	GSP. Item.	Modify Bridge Drain		Each
4434	GSP Item	Plugging Existing Bridge Drain		Each
4420	GSP Item	Bridge Grate Inlet		Each
Varies	GSP Item	Expansion Joint System		LF
		Type _____ Length _____ LF		
		Type _____ Length _____ LF		
		Type _____ Length _____ LF		
4444	GSP Item	Expansion Joint Modification		LF
		Type _____ Length _____ LF		
4232	Std. Item	Modified Concrete Overlay		CF
4233	Std. Item	Finishing and Curing Modified Concrete Overlay		SY
4456	Std. Item	Scarifying Concrete Surface		SY
	BSP Item	Polymer Concrete Overlay		SY
4465	Std. Item	Further Deck Preparation (for Type 1 Deck Repair)		SF
4467	Std. Item	Further Deck Preparation for Type 2 Deck Repair		SF
4451	Std. Item	Bridge Deck Repair Br No _____		SF
4455	Std. Item	Waterproof Membrame Br No _____		SY
5708	Std. Item	Removing Existing Overlay from Bridge Deck _____		SY
--	Sp. Prov.	Pot Bearing		Each
--	BSP Item	Disc Bearing		Each

--	BSP Item	Spherical Bearing	_____	Each
--	BSP Item	Cylindrical Bearing	_____	Each
--	Std. Item	Elastomeric Bering Pad (for pads only)	_____	Each
--	Sp., Prov.	Elastomeric Bearing Pad Assembly (for a fabricated assembly)	_____	Each
--	GSP Item	Fabric Pad Bearing	_____	Each
4269	Std. Item	Prestressed Conc. Girder _____	_____	LF
--	Std. Item	Prestressing	_____	LB
--	Sp. Prov.	Precast Segment	_____	LF
		Volume _____ CY/CM		
--	Sp. Prov.	_____	_____	_____
--	Sp. Prov.	_____	_____	_____