

# ATTACHMENT #1

Stillwater Regional Airport, Stillwater, Oklahoma



**LBR Inc. Airport Consultants**

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PRELIMINARY ESTIMATE

AIP 3-40-0090-024-2017

## Complete Parallel Taxiway Serving Runway 17-35

Specification Number	Item No.	Description	Quantity	Unit Price	Amount
<b>Base Bid- Parallel Taxiway</b>					
SP-308-2.1	1	Traffic Maintenance	1	LS \$30,000.00	\$30,000.00
SP-310-3.1	2	Mobilization, Bonds, Permits, and Temporary Erosion Control	1	LS 80,000.00	80,000.00
SP-318-8.1	3	Saw Cut - Full Depth Asphalt or Concrete	125	LF 10.00	1,250.00
SP-318-8.2	4	Break-Up, Removal, and Disposal of Existing Pavement - Material and Thickness May Vary - Waste On Airport Property	11,365	SY 8.00	90,920.00
P-152-4.1	5	Unclassified Excavation: Strip Topsoil 6" Thick, Stockpile or Waste on Airport Property	7,175	CY 6.50	46,637.50
P-152-4.2	6	Unclassified Excavation: Normal Excavation to Required Grades	5,575	CY 6.50	36,237.50
P-152-4.3	7	Embankment in Place: Normal Embankment to Required Grades	7,300	CY 7.50	54,750.00
P-152-4.4	8	Embankment in Place: Replace Topsoil 6" Thick	6,075	CY 8.00	48,600.00
D-701-5.1	9	Remove Existing 18" RCP Storm Sewer Pipe - Waste Off Airport Property	20	LF 65.00	1,300.00
D-701-5.2	10	Provide and Install 18" RCP - Type III, Storm Sewer	130	LF 180.00	23,400.00
D-701-5.3	11	Provide and Install 24" RCP - Type III, Storm Sewer	110	LF 200.00	22,000.00
D-701-5.4	12	Provide and Install 30" RCP - Type III, Storm Sewer	170	LF 220.00	37,400.00
D-751-5.1	13	Remove Existing Inlet - Waste off Airport Property	2	Each 2,500.00	5,000.00
D-752-5.1	14	Construct Pipe-Grated Sloped End-Section for 30" RCP	1	Each 6,500.00	6,500.00
P-155-8.2	15	Lime Delivered to Site, Est'd at 6% of Soil Dry Weight	400	Tons 180.00	72,000.00
P-155-8.1	16	Construct 8" Lime-Treated Subgrade	19,000	SY 6.00	114,000.00
P-301-6.1	17	Type I Portland Cement Delivered to Site, Est'd at 6% of Soil Dry Weight	400	Tons 180.00	72,000.00
P-301-6.2	18	Construct 8" Soil-Cement Base Course	19,000	SY 6.00	114,000.00
P-602-5.1	19	Bituminous Prime Coat - Est'd at 0.25 Gal / SY	5,000	Gal 7.00	35,000.00
P-306-8.1	20	Construct 7.0" Lean High-Early Strength Concrete Base Course with Applied Bond Breaker	19,000	SY 40.00	760,000.00
P-501-8.1	21	Construct 14.0" P-501 Portland Cement Concrete Surface Course, with Joints	19,000	SY 100.00	1,900,000.00
P-620-5.1	22	Permanent Painting with Reflective Media (Red, White or Yellow Paint)	1,000	SF 5.00	5,000.00
P-620-5.2	23	Permanent Painting without Reflective Media (Black Paint)	1,800	SF 6.00	10,800.00
T-904-5.1	24	Solid Slab Bermuda Grass Sodding (Including Fertilizer and Watering)	21,000	SY 3.50	73,500.00
T-901-5.1	25	Seeding (Permanent or Temporary) Including Fertilizer and Watering	14	AC 3,000.00	42,000.00
L-108-5.1	26	Construct 6" x 24" Trench with Backfill For 2" PVC	6,600	LF 2.00	13,200.00
L-108-5.2	27	Furnish and Install Lighting Cable - No. 8 AWG, 5 kV, 1/C, Type C, Stranded	8,200	LF 2.50	20,500.00
L-108-5.3	28	Construct 6" x 8" Trench with Backfill For Counterpoise	6,600	LF 1.50	9,900.00
L-108-5.4	29	Furnish and Install Counterpoise, No. 6 AWG, Bare Stranded Copper Wire, with Ground Rods	6,600	LF 2.00	13,200.00
L-110-5.1	30	Furnish and Install 2" Schedule 40 PVC Conduit, In Trench	6,600	LF 2.00	13,200.00
L-125-5.1	31	Furnish and Install New Base-Mounted L-861T LED MITL Light Fixtures with Blue Glassware, Isolation Transformers, and PCC Pads. Above Grade Elements of the	55	Each 1200.00	66,000.00
L-125-5.3	32	Furnish and Install New Base-Mounted L-858 Guidance Signs with PCC Pads	12	Each 5500.00	66,000.00
SP-304-2.1	33	Insurance Premium to Add City & Engineer as Additional Insureds to Contractor's Liability Policy	1	LS 500.00	500.00

**Estimated Base Bid Construction Costs**

**\$3,884,795.00**

Specification Number	Item No.	Description	Quantity	Unit Price	Amount
<b>Alternate 1- RW 4-22 Connector</b>					
SP-318-8.1	1	Saw Cut - Full Depth Asphalt or Concrete	160	LF 10.00	1,600.00
SP-318-8.2	2	Break-Up, Removal, and Disposal of Existing Pavement - Material and Thickness May Vary - Waste On Airport Property	1,710	SY 8.00	13,680.00

P-152-4.1	3	Unclassified Excavation: Strip Topsoil 6" Thick, Stockpile or Waste on Airport Property	1,075	CY	6.50	6,987.50
P-152-4.2	4	Unclassified Excavation: Normal Excavation to Required Grades	1,915	CY	6.50	12,447.50
P-152-4.3	5	Embankment in Place: Normal Embankment to Required Grades	155	CY	7.50	1,162.50
P-152-4.4	6	Embankment in Place: Replace Topsoil 6" Thick	950	CY	8.00	7,600.00
D-701-5.1	7	Remove Existing 18" RCP Storm Sewer Pipe - Waste Off Airport Property	0	LF	65.00	0.00
D-701-5.2	8	Provide and Install 24" RCP - Type III, Storm Sewer	0	LF	180.00	0.00
D-751-5.1	9	Remove Existing Inlet - Waste off Airport Property	1	Each	2,500.00	2,500.00
D-752-5.1	10	Construct Pipe-Grated Sloped End-Section for 24" RCP	1	Each	6,500.00	6,500.00
P-155-8.2	11	Lime Delivered to Site, Est'd at 6% of Soil Dry Weight	100	Tons	180.00	18,000.00
P-155-8.1	12	Construct 8" Lime-Treated Subgrade	3,000	SY	6.00	18,000.00
P-301-6.1	13	Type I Portland Cement Delivered to Site, Est'd at 6% of Soil Dry Weight	100	Tons	180.00	18,000.00
P-301-6.2	14	Construct 8" Soil-Cement Base Course	3,000	SY	6.00	18,000.00
P-602-5.1	15	Bituminous Prime Coat - Est'd at 0.25 Gal / SY	1,000	Gal	7.00	7,000.00
P-306-8.1	16	Construct 7.0" Lean High-Early Strength Concrete Base Course with Applied Bond Breaker	3,000	SY	40.00	120,000.00
P-501-8.1	17	Construct 14.0" P-501 Portland Cement Concrete Surface Course, with Joints	3,000	SY	100.00	300,000.00
P-620-5.1	18	Permanent Painting with Reflective Media (Red, White or Yellow Paint)	1,000	SF	5.00	5,000.00
P-620-5.2	19	Permanent Painting without Reflective Media (Black Paint)	1,800	SF	6.00	10,800.00
T-904-5.1	20	Solid Slab Bermuda Grass Sodding (Including Fertilizer and Watering)	3,500	SY	3.50	12,250.00
T-901-5.1	21	Seeding (Permanent or Temporary) Including Fertilizer and Watering	4	AC	3,000.00	10,500.00
L-125-5.3	22	Relocate Base-Mounted L-858 Guidance Signs with PCC Pads	2	Each	5500.00	11,000.00
L-125-5.3	23	Relocate Existing Wind Cone and Electrical Wiring in Apron Expansion Location	1	LS	30000.00	30,000.00
SP-304-2.1	24	Insurance Premium to Add City & Engineer as Additional Insureds to Contractor's Liability Policy	1	LS	500.00	500.00

**Estimated Alternate 1 Construction Costs**

**\$631,527.50**

Specification Number	Item No.	Description	Quantity		Unit Price	Amount
<b>Alternate 2- Apron Expansion</b>						
P-152-4.1	1	Unclassified Excavation: Strip Topsoil 6" Thick, Stockpile or Waste on Airport Property	1,570	CY	6.50	10,205.00
P-152-4.2	2	Unclassified Excavation: Normal Excavation to Required Grades	3,640	CY	6.50	23,660.00
P-152-4.3	3	Embankment in Place: Normal Embankment to Required Grades	10	CY	7.50	75.00
P-152-4.4	4	Embankment in Place: Replace Topsoil 6" Thick	275	CY	8.00	2,200.00
D-701-5.2	5	Provide and Install 18" RCP - Type III, Storm Sewer	20	LF	180.00	3,600.00
D-751-5.1	6	Remove Existing Inlet - Waste off Airport Property	1	Each	2,500.00	2,500.00
D-752-5.1	7	Construct Pipe-Grated Sloped End-Section for 24" RCP	1	Each	6,500.00	6,500.00
P-155-8.2	8	Lime Delivered to Site, Est'd at 6% of Soil Dry Weight	200	Tons	180.00	36,000.00
P-155-8.1	9	Construct 8" Lime-Treated Subgrade	8,000	SY	6.00	48,000.00
P-301-6.1	10	Type I Portland Cement Delivered to Site, Est'd at 6% of Soil Dry Weight	200	Tons	180.00	36,000.00
P-301-6.2	11	Construct 8" Soil-Cement Base Course	8,000	SY	6.00	48,000.00
P-602-5.1	12	Bituminous Prime Coat - Est'd at 0.25 Gal / SY	2,000	Gal	7.00	14,000.00
P-306-8.1	13	Construct 7.0" Lean High-Early Strength Concrete Base Course with Applied Bond Breaker	8,000	SY	40.00	320,000.00
P-501-8.1	14	Construct 14.0" P-501 Portland Cement Concrete Surface Course, with Joints	8,000	SY	100.00	800,000.00
P-620-5.1	15	Permanent Painting with Reflective Media (Red, White or Yellow Paint)	1,000	SF	5.00	5,000.00
P-620-5.2	16	Permanent Painting without Reflective Media (Black Paint)	1,800	SF	6.00	10,800.00
T-904-5.1	17	Solid Slab Bermuda Grass Sodding (Including Fertilizer and Watering)	3,500	SY	3.50	12,250.00
T-901-5.1	18	Seeding (Permanent or Temporary) Including Fertilizer and Watering	2	AC	3,000.00	5,250.00
SP-304-2.1	19	Insurance Premium to Add City & Engineer as Additional Insureds to Contractor's Liability Policy	1	LS	500.00	500.00

**Estimated Alternate 2 Construction Costs**

**\$1,384,540.00**