

PRICE ANALYSIS

Bid No. PNC2130571C1 Taxiway A Pavement Rehabilitation Phase II - Ft. Lauderdale-Hollywood International Airport
Purchasing Agent: **Yohanna de Francisco**

Bid Posted: June 11, 2025
Bid Opened: July 15, 2025
Bid Submittals: 4



		Ranger Construction Industries, Inc.			Engineer's Estimate (RS&H, Inc.) March 2025		
#	Items	Item Description	Quantity Required	Unit of Measure	Unit Price	Total Extended Amount	% Difference
#1-1	G-100-10.1	Bonds and Insurance.	1	lump sum	\$ 495,000.00	\$ 495,000.00	
#1-2	G-100-10.2	Price cannot exceed 3% of the Total Bid Amount.				\$ 816,441.53	-39%
#1-3	G-100-10.2	Safety and Security and Temporary Items	1	lump sum	\$ 1,288,950.00	\$ 1,288,950.00	
#1-4	C-105-6.1	Mobilization. Price cannot exceed 5% of Total Bid Amount.	1	lump sum	\$ 830,000.00	\$ 830,000.00	
#1-5	C-105-6.2	Contractor Field Office, Furnishings, and Equipment	1	lump sum	\$ 75,000.00	\$ 75,000.00	
#1-6	1030	Maintenance of Air Operations Area Traffic	1	lump sum	\$ 965,550.00	\$ 965,550.00	
#1-7	1720	Project Record Documents	1	lump sum	\$ 25,000.00	\$ 25,000.00	
#1-8	133423-2	Temporary Staffed Guard Booth Installation, Setup and Removal	2	each	\$ 9,110.00	\$ 18,220.00	
#1-9	133423-3	Temporary Guard Booth Daily Maintenance (Generator, Fuel, Water, Portable Restroom)	282	day	\$ 224.20	\$ 63,224.40	
#1-10	C-100-8.1	Contractor Quality Control Program (CQCP)	1	lump sum	\$ 325,000.00	\$ 325,000.00	
#1-11	C-102-5.1	Installation and Removal of Silt Fence	9100	each	\$ 7.53	\$ 68,523.00	
#1-12	C-102-5.2	Installation and Removal of Inlet and Outlet Protection	33	each	\$ 387.75	\$ 12,795.75	
#1-13	C-102-5.3	Maintenance of Erosion Control Items	1	lump sum	\$ 49,200.00	\$ 49,200.00	
#1-14	C-104-5.1	Project Survey and Stakeout	1	lump sum	\$ 392,000.00	\$ 392,000.00	
#1-15	P-101-5.1	Bituminous Pavement Milling - 0.5-Inch to 3 inch Nominal	59350	square yard	\$ 4.79	\$ 284,286.50	
#1-16	P-101-5.2	Full-Depth Shoulder Removal Bituminous Pavement Removal (2 to 3 Inch)	35990	square yard	\$ 4.78	\$ 172,032.20	
#1-17	P-101-5.3	Full-Depth Taxiway Bituminous Pavement Removal (6 to 13-Inch)	21300	square yard	\$ 10.90	\$ 232,170.00	
#1-18	P-101-5.4	Pavement Marking Obliteration	13550	linear foot	\$ 4.60	\$ 62,330.00	
#1-19	P-101-5.5	Major Crack Repair	3300	linear foot	\$ 14.80	\$ 48,840.00	
#1-20	P-101-5.6	Chain-Link Fence Removal	380	linear foot	\$ 11.65	\$ 4,427.00	
#1-21	P-151-4.1	Clearing and Grubbing	11	acre	\$ 5,020.00	\$ 55,220.00	
#1-22	P-152-4.1	Unclassified Excavation	11930	cubic yard	\$ 12.85	\$ 153,300.50	
#1-23	P-152-4.2	Compacted Subgrade	53530	square yard	\$ 4.86	\$ 260,155.80	
#1-24	P-153-6.1	Fuel Protection Zone Subgrade Work Controlled Low Strength Material (CLSM)	130	cubic yard	\$ 463.00	\$ 60,190.00	
#1-25	P-211-5.1	Install 6" Limerock base	52640	square yard	\$ 18.65	\$ 981,736.00	
#1-26	P-401-8.1	Bituminous Paving Surface Course (PG 76-22) 3/4-Inch Aggregate	22330	ton	\$ 185.75	\$ 4,147,797.50	
#1-27	P-401-8.2	Bituminous Paving Surface Course (PG 67-22) 1-Inch Aggregate	7300	ton	\$ 179.10	\$ 1,307,430.00	
#1-28	P-602-5.1	Emulsified Asphalt Prime Coat	15800	gallon	\$ 9.31	\$ 147,098.00	
#1-29	P-603-5.1	Emulsified Asphalt Tack Coat	12150	gallon	\$ 5.55	\$ 67,432.50	
#1-30	P-620-5.1	Permanent Pavement Markings with Type I Reflective Beads	40170	square foot	\$ 3.20	\$ 128,544.00	
#1-31	P-620-5.2	Permanent Pavement Markings without Reflective Beads	13550	square foot	\$ 2.97	\$ 40,243.50	
#1-32					\$ 2.95	\$ 39,972.50	1%
#1-33					\$ 292.87	\$ 6,539,787.10	-37%
#1-34					\$ 258.73	\$ 1,888,729.00	-31%
#1-35					\$ 7.85	\$ 124,030.00	19%
#1-36					\$ 7.85	\$ 95,377.50	-29%
#1-37					\$ 4.08	\$ 163,893.60	-22%
#1-38					\$ 2.95	\$ 39,972.50	1%

Ranger Construction Industries, Inc.			Engineer's Estimate (RS&H, Inc.) March 2025						
		Item Description	Quantity Required	Unit of Measure	Unit Price	Total Extended Amount	Unit Price	Total Extended Amount	% Difference
	Items								
		Permanent Pavement Markings without Reflective Beads - Black Outline	54300	square foot	\$ 2.50	\$ 135,750.00	\$ 2.95	\$ 160,185.00	-15%
#1-31	P-620-5.3								
#1-32	P-620-5.4	Temporary Pavement Markings with Type I Reflective Beads	40170	square foot	\$ 4.36	\$ 175,141.20	\$ 3.47	\$ 139,389.90	26%
#1-33	P-620-5.5	Surface Painted Hold Signs (SPHS) (Thermoplastic)	8	each	\$ 19,200.00	\$ 153,600.00	\$ 14,000.00	\$ 112,000.00	37%
#1-34	D-701-5.1	Existing Pipe Dewater, Clean, and Inspect 12-inches to 24-inches	3420	linear foot	\$ 16.30	\$ 55,746.00	\$ 25.00	\$ 85,500.00	-35%
#1-35	D-701-5.2	Existing Pipe Dewater, Clean, and Inspect 30-inches to 42-inches	2590	linear foot	\$ 25.60	\$ 66,304.00	\$ 40.00	\$ 103,600.00	-36%
#1-36	D-701-5.3	Existing Pipe Dewater, Clean, and Inspection 48-inches to 66-inches	4120	linear foot	\$ 48.90	\$ 201,468.00	\$ 60.00	\$ 247,200.00	-19%
#1-37	D-701-5.4	Existing Drainage Structure Dewater, Clean, and Inspection	58	each	\$ 407.25	\$ 23,620.50	\$ 750.00	\$ 43,500.00	-46%
#1-38	D-701-5.5	Flexible Grout Injections 48-Inch Pipe	5	each	\$ 2,090.00	\$ 10,450.00	\$ 4,000.00	\$ 20,000.00	-48%
#1-39	D-701-5.6	Flexible Grout Injections 60-Inch Pipe	19	each	\$ 2,440.00	\$ 46,360.00	\$ 8,500.00	\$ 161,500.00	-71%
#1-40	F-162-5.1	Permanent Chain-Link Fence	380	linear foot	\$ 29.10	\$ 11,058.00	\$ 63.00	\$ 23,940.00	-54%
#1-41	T-904-5.1	Sodding	57030	square yard	\$ 4.07	\$ 232,112.10	\$ 9.27	\$ 528,668.10	-56%
#1-42	T-905-5.1	Topsolling	57030	square yard	\$ 1.45	\$ 82,693.50	\$ 5.46	\$ 311,383.80	-73%
#1-43	FDOT 431-1	Pipe Lining, 18-Inch Pipe	230	linear foot	\$ 384.00	\$ 88,320.00	\$ 300.00	\$ 69,000.00	28%
#1-44	FDOT 431-2	Pipe Lining, 24-Inch Pipe	1200	linear foot	\$ 188.50	\$ 226,200.00	\$ 350.00	\$ 420,000.00	-46%
#1-45	FDOT 431-3	Pipe Lining, 30-Inch Pipe	320	linear foot	\$ 323.50	\$ 103,520.00	\$ 380.00	\$ 121,600.00	-15%
#1-46	FDOT 431-4	Pipe Lining, 36-Inch Pipe	470	linear foot	\$ 494.50	\$ 232,415.00	\$ 400.00	\$ 188,000.00	24%
#1-47	L-108-5.1	Hand excavate minimum 8" Wide x 28" Deep in earth.	50	linear foot	\$ 20.95	\$ 1,047.50	\$ 25.00	\$ 1,250.00	-16%
#1-48	L-108-5.2	Saw cut and hand excavate minimum 8" Wide x 28" Deep in existing full strength pavement.	25	linear foot	\$ 45.40	\$ 1,135.00	\$ 55.00	\$ 1,375.00	-17%
#1-49	L-108-5.3	3/4" x 20' ground rods connected to counterpoise.	39	each	\$ 244.40	\$ 9,531.60	\$ 320.00	\$ 12,480.00	-24%
#1-50	L-108-5.4	Additional 10' ground rod sections.	39	each	\$ 98.90	\$ 3,857.10	\$ 200.00	\$ 7,800.00	-51%
#1-51	L-108-5.5	#6 bare solid AWG counterpoise conductor installed over conduit system.	16500	linear foot	\$ 1.80	\$ 29,700.00	\$ 2.00	\$ 33,000.00	-10%
#1-52	L-108-5.6	#8, 5KV, L-824 conductor installed in new and existing conduit/duct bank system.	38800	linear foot	\$ 2.09	\$ 81,092.00	\$ 3.00	\$ 116,400.00	-30%
#1-53	L-108-5.7	#6, 600V, XHHW, conductor installed in new and existing conduit/duct bank system.	27500	linear foot	\$ 2.04	\$ 56,100.00	\$ 2.75	\$ 75,625.00	-26%
#1-54	L-110-5.1	One 2" schedule 40 PVC conduit concrete encased and installed in earth, 24-inch minimum cover, complete in place.	15450	linear foot	\$ 14.55	\$ 224,797.50	\$ 35.00	\$ 540,750.00	-58%
#1-55	L-110-5.2	One 2" schedule 40 PVC conduit concrete encased and installed in new full strength pavement, 24-inch minimum cover, complete in place.	695	linear foot	\$ 29.10	\$ 20,224.50	\$ 40.00	\$ 27,800.00	-27%
#1-56	L-110-5.3	One 2" schedule 40 PVC conduit concrete encased and installed in existing full strength pavement, 24-inch minimum cover, complete in place.	175	linear foot	\$ 29.10	\$ 5,092.50	\$ 45.00	\$ 7,875.00	-35%
#1-57	L-110-5.4	One 2" HDPE conduit directional bored 48" deep beneath existing full strength and shoulder pavements complete in place.	220	linear foot	\$ 46.55	\$ 10,241.00	\$ 40.00	\$ 8,800.00	16%

Ranger Construction Industries, Inc.					Engineer's Estimate (RS&H, Inc.) March 2025				
		Item Description	Quantity Required	Unit of Measure	Unit Price	Total Extended Amount	Unit Price	Total Extended Amount	% Difference
	Items								
#1-58	L-110-5.5	Intercept existing conduit system and connect to new conduit system.	75	each	\$ 279.30	\$ 20,947.50	\$ 250.00	\$ 18,750.00	12%
#1-59	L-115-5.1	L-867 16" diameter junction can with cover installed in earth/new shoulder pavement	1	each	\$ 1,860.00	\$ 1,860.00	\$ 2,200.00	\$ 2,200.00	-15%
#1-60	L-115-5.2	L-867 16" diameter bottomless 2 can junction can plaza installed in earth/new shoulder pavement	3	each	\$ 10,100.00	\$ 30,300.00	\$ 14,000.00	\$ 42,000.00	-28%
#1-61	L-115-5.3	L-867 16" diameter bottomless 3 can junction can plaza installed in earth/new shoulder pavement	3	each	\$ 12,600.00	\$ 37,800.00	\$ 16,500.00	\$ 49,500.00	-24%
#1-62	L-115-5.4	L-867 16" diameter bottomless 4 can junction can plaza installed in earth/new shoulder pavement	1	each	\$ 16,600.00	\$ 16,600.00	\$ 18,500.00	\$ 18,500.00	-10%
#1-63	L-115-5.5	Intercept existing light base can in earth and connect to conduit system.	7	each	\$ 1,230.00	\$ 8,610.00	\$ 1,000.00	\$ 7,000.00	23%
#1-64	L-115-5.6	Removal of existing junction can/light base can in earth/existing shoulder pavement, complete.	198	each	\$ 698.25	\$ 138,253.50	\$ 350.00	\$ 69,300.00	100%
#1-65	L-115-5.7	Removal of existing junction can/light base can in existing full strength pavement, complete.	29	each	\$ 698.25	\$ 20,249.25	\$ 1,000.00	\$ 29,000.00	-30%
#1-66	L-115-5.8	Removal of existing base can top section, backfill bottom section with concrete and abandon in place, complete.	1	each	\$ 320.00	\$ 320.00	\$ 1,500.00	\$ 1,500.00	-79%
#1-67	L-115-5.9	Removal of existing junction can plaza in earth, complete	6	each	\$ 1,570.00	\$ 9,420.00	\$ 8,000.00	\$ 48,000.00	-80%
#1-68	L-115-5.10	Removal of existing concrete manhole/maintenance access structure in earth complete	2	each	\$ 5,240.00	\$ 10,480.00	\$ 16,000.00	\$ 32,000.00	-67%
#1-69	L-125-5.1	New L-861T(L), LED taxiway elevated edge light and new base can installed in new shoulder pavement.	199	each	\$ 2,330.00	\$ 463,670.00	\$ 2,500.00	\$ 497,500.00	-7%
#1-70	L-125-5.2	New L-861T(L), LED taxiway elevated edge light and new base can installed in existing paved shoulder.	1	each	\$ 1,860.00	\$ 1,860.00	\$ 3,000.00	\$ 3,000.00	-38%
#1-71	L-125-5.3	New L-852G(L), LED, flush mounted runway guard light with control sequencing module and a new L-868 base can installed in existing full strength pavement.	61	each	\$ 5,530.00	\$ 337,330.00	\$ 5,200.00	\$ 317,200.00	6%
#1-72	L-125-5.4	New L-858, size 3, 3-4 characters LED guidance sign and concrete base installed in earth.	14	each	\$ 14,000.00	\$ 196,000.00	\$ 12,000.00	\$ 168,000.00	17%
#1-73	L-125-5.5	New L-858, size 3, 5-6 characters LED guidance sign and concrete base installed in earth.	6	each	\$ 16,300.00	\$ 97,800.00	\$ 15,000.00	\$ 90,000.00	9%
#1-74	L-125-5.6	New L-858, size 3, 9-10 characters LED guidance sign and concrete base installed in earth.	2	each	\$ 24,700.00	\$ 49,400.00	\$ 21,000.00	\$ 42,000.00	18%
#1-75	L-125-5.7	New L-858, size 3, 5-6 characters LED guidance sign and concrete base installed in existing pavement.	1	each	\$ 21,500.00	\$ 21,500.00	\$ 17,000.00	\$ 17,000.00	26%
#1-76	L-125-5.8	New L-858, size 3, 3-4 characters LED guidance sign and concrete base installed in existing concrete base	1	each	\$ 5,530.00	\$ 5,530.00	\$ 7,000.00	\$ 7,000.00	-21%
#1-77	L-125-5.9	Repanel L-858(L), size 3, 2 module LED guidance sign.	10	each	\$ 1,450.00	\$ 14,500.00	\$ 2,000.00	\$ 20,000.00	-28%
#1-78	L-125-5.10	Repanel L-858(L), size 3, 3 module LED guidance sign.	7	each	\$ 1,450.00	\$ 10,150.00	\$ 2,500.00	\$ 17,500.00	-42%

#	Items	Item Description	Quantity Required	Unit of Measure	Ranger Construction Industries, Inc.		Engineer's Estimate (RS&H, Inc.) March 2025	
					Unit Price	Total Extended Amount	Unit Price	Total Extended Amount
#1-79	L-125-5.11	Repanel L-858(L), size 3, 4 module LED guidance sign.	6	each	\$ 1,450.00	\$ 8,700.00	\$ 3,000.00	\$ 18,000.00
#1-80	L-125-5.12	Intercept existing circuit conductors in existing base can/maintenance access structure /junction can and extend circuits accordingly.	104	each	\$ 261.90	\$ 27,237.60	\$ 450.00	\$ 46,800.00
#1-81	L-125-5.13	Removal of existing guidance sign and concrete base in existing earth/existing pavement, complete.	24	each	\$ 1,720.00	\$ 41,280.00	\$ 1,200.00	\$ 28,800.00
#1-82	L-125-5.14	Removal of existing elevated light and provide and install new cover plate, complete.	4	each	\$ 300.25	\$ 1,201.00	\$ 500.00	\$ 2,000.00
#1-83	L-125-5.15	Identification of cables, duct banks and lighting fixtures per FAA specifications.	1	lump sum	\$ 9,190.00	\$ 9,190.00	\$ 30,000.00	\$ 30,000.00
#1-84	L-125-5.16	Installation of ALCMS Equipment, complete.	1	lump sum	\$ 8,180.00	\$ 8,180.00	\$ 2,500.00	\$ 2,500.00
#1-85	L-125-5.18	New L-858 Sign Panels for existing signs per sign schedule.	1	lump sum	\$ 21,400.00	\$ 21,400.00	\$ 43,000.00	\$ 43,000.00
		Subtotal				\$ 16,659,042.50		\$ 24,670,219.50
		Allowances				\$ 1,233,500.00		\$ 1,233,500.00
	TOTAL					\$ 17,892,542.50		\$ 25,903,719.50

Note: 1. The Total Bid Amount is 31% less than the Engineer's Estimate from March, 2025.
2. Engineer's analysis attached.



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August 29, 2025

Fort Lauderdale-Hollywood International Airport
Broward County Aviation Department
ATTN: Andrew Hipolito, PE, PMP
320 Terminal Drive, Suite 200
Fort Lauderdale, FL 33315

**RE: Taxiway Alpha Pavement Rehabilitation – Phase II
Letter of Recommendation for Award**

Dear Mr. Hipolito,

Bid proposals were received and opened on July 15, 2025. Four (4) bids were received and are summarized below:

	<u>TOTAL BID</u>
Ranger Construction Industries	\$16,659,042.50
General Asphalt Co. Inc.	\$16,957,873.57
OHLA USA, Inc.	\$17,743,387.96
Ryan Incorporated Southern	\$18,165,563.85
Engineer's Estimate	\$24,519,016.19

We have reviewed the unit prices within the received bids against those of the Engineer's Estimate. The low bidder's price on the Base Bid was 32% lower than the Engineer's Estimate and the high bidder's price was 26% lower than the Engineer's Estimate. Note that the estimate has been updated to reflect the removal of the various allowance accounts and the 5% contingency. The variance between the Engineer's Estimate and the bids can be attributed to several circumstances:

1. The unit prices within the bids received were lower than estimated for many of the items, especially the main items, such as asphalt pavement, pavement demolition, and subgrade, as well as some electrical items. The unit prices from the bidders did not follow the trends for similar items over the past 5 years.

2. It is impossible for the Engineers estimate to project the work load of the bidding contractors, or the availability of local projects to receive project materials. Much of the differential cost is seen in the asphalt milling, earthwork, and asphalt items. Large swings in cost are prevalent in these items because the engineer's estimate must use a conservative approach to ensure proper project funding. When pricing earthwork for the engineers estimate, the choice was made to account for payment for disposal of all excavated materials, and also pay to import any needed materials as new, from a FDOT certified pit. This significantly drives cost up as it is common for contractors to reuse materials onsite and sell or reuse earthwork materials offsite. The engineers estimate took a conservative approach as there is no way to forecast local contractor commitments or availabilities, they my have to non-pit materials.

Items affected by this are:

- Full-Depth Shoulder Removal Bituminous Pavement Removal (2 to 3-Inch)
 - Full-Depth Taxiway Bituminous Pavement removal (6 to 13 Inch)
 - Clearing and Grubbing
 - Unclassified Excavation
 - Compacted Subgrade
 - Install 6" Limerock Base
3. For asphalt related items the Statewide price for Superpave Asphalt Concrete Traffic level C had risen between 2022 and 2024. A conservative approach was taken relative to the asphalt pricing due to the uncertainty geopolitical events and possible impacts on fuel prices. Asphalt prices seem to have peaked in 2023 and have continued the downward trend into 2025. This is reflected in the lower bid prices seen in the asphalt items. Pricing variability can be seen in the bid tabulations as the (76-22 ¾-Inch Mix) had a difference in price of \$78.10/Ton and the (67-22 1-inch mix) had a difference in price \$60.10/Ton. Just the variability of these two items between two different bidders accounts for \$2,182,703.00

Items affected by this are:

- Bituminous Paving Surface Course (PG 76-22)3/4-Inch Aggregate
- Bituminous Paving Surface Course (PG 67-22) 1-Inch Aggregate



rsandh.com

Based on the analysis of the low bid compared to the Engineer's Estimate, RS&H recommends that this project be awarded to Ranger Construction Industries as funding allows.

The following documents have been enclosed for your records:

-Tabulations of Bids

If there are any questions regarding this letter of recommendation, please feel free to contact me.

Sincerely,

Michael Strickler, PE
Project Engineer

w/ attachments

FLL TWA Phase II Rehabilitation - Bid Tab Analysis										General Asphalt Co., LLC				OHLA USA, Inc.				Ranger Construction Industries, Inc.				Ryan Incorporated Southern				Engineer's Estimate			
No.	Items	Item Description	Quantity Required	Unit of Measure	Unit Price	Total Extended Amount	Unit Price	Total Extended Amount	Unit Price	Total Extended Amount	Unit Price	Total Extended Amount	Unit Price	Total Extended Amount	Unit Price	Total Extended Amount	Unit Price	Total Extended Amount	Unit Price	Total Extended Amount	Unit Price	Total Extended Amount	Unit Price	Total Extended Amount					
#E-1	G-100-10.1	Bonds and Insurance. Price cannot exceed 3% of the Total Bid Amount	1	lump sum	\$ 500,000.00	\$ 500,000.00	\$ 525,000.00	\$ 525,000.00	\$ 495,000.00	\$ 495,000.00	\$ 333,473.75	\$ 333,473.75	\$ 816,441.53	\$ 816,441.53															
#E-2	G-100-10.2	Safety and Security and Temporary Items	1	lump sum	\$ 230,000.00	\$ 230,000.00	\$ 1,025,000.00	\$ 1,025,000.00	\$ 1,288,950.00	\$ 1,288,950.00	\$ 1,3515.38	\$ 13,515.38	\$ 438,936.83	\$ 438,936.83															
#E-3	C-105-6.1	Mobilization. Price cannot exceed 5% of Total Bid Amount.	1	lump sum	\$ 845,000.00	\$ 845,000.00	\$ 875,000.00	\$ 875,000.00	\$ 830,000.00	\$ 830,000.00	\$ 596,067.75	\$ 596,067.75	\$ 2,163,120.51	\$ 2,163,120.51															
#E-4	C-105-6.2	Contractor Field Office, Furnishings, and Equipment	1	lump sum	\$ 100,000.00	\$ 100,000.00	\$ 250,000.00	\$ 250,000.00	\$ 75,000.00	\$ 75,000.00	\$ 111,127.40	\$ 111,127.40	\$ 97,074.85	\$ 97,074.85															
#E-5	1030	Maintenance of Air Operations Area Traffic	1	lump sum	\$ 1,000,000.00	\$ 1,000,000.00	\$ 2,000,000.00	\$ 2,000,000.00	\$ 965,550.00	\$ 965,550.00	\$ 1,800,000.00	\$ 1,800,000.00	\$ 388,299.41	\$ 388,299.41															
#E-6	1720	Project Record Documents	1	lump sum	\$ 100,000.00	\$ 100,000.00	\$ 50,000.00	\$ 50,000.00	\$ 25,000.00	\$ 25,000.00	\$ 1,050.00	\$ 1,050.00	\$ 67,952.40	\$ 67,952.40															
#E-7	133423-2	Temporary Staffed Guard Booth Installation, Setup and Removal	2	each	\$ 5,700.00	\$ 11,400.00	\$ 75,000.00	\$ 75,000.00	\$ 9,110.00	\$ 18,220.00	\$ 250,000.00	\$ 500,000.00	\$ 6,000.00	\$ 12,000.00															
#E-8	133423-3	Temporary Guard Booth Daily Maintenance (Generator, Fuel, Portable Restroom)	282	day	\$ 570.00	\$ 160,740.00	\$ 750.00	\$ 211,500.00	\$ 224.20	\$ 63,224.40	\$ 1,531.91	\$ 431,998.62	\$ 450.00	\$ 126,900.00															
#E-9	C-100-8.1	Contractor Quality Control Program (CQCP)	1	lump sum	\$ 200,000.00	\$ 200,000.00	\$ 220,000.00	\$ 220,000.00	\$ 325,000.00	\$ 325,000.00	\$ 210,000.00	\$ 210,000.00	\$ 291,224.55	\$ 291,224.55															
#E-10	C-102-5.1	Installation and Removal of Silt Fence	9,100	each	\$ 2,386.00	\$ 21,515.40	\$ 15,730.00	\$ 143,143.00	\$ 7.53	\$ 68,523.00	\$ 2.10	\$ 19,110.00	\$ 7.50	\$ 68,250.00															
#E-11	C-102-5.2	Installation and Removal of Inlet and Outlet Protection	33	each	\$ 270.13	\$ 8,914.29	\$ 780.20	\$ 25,746.60	\$ 387.75	\$ 12,795.75	\$ 236.21	\$ 7,794.93	\$ 400.00	\$ 13,200.00															
#E-12	C-102-5.3	Maintenance of Erosion Control Items	1	lump sum	\$ 200,000.00	\$ 200,000.00	\$ 125,000.00	\$ 125,000.00	\$ 49,200.00	\$ 49,200.00	\$ 183,281.59	\$ 183,281.59	\$ 194,149.70	\$ 194,149.70															
#E-13	C-104-5.1	Project Survey and Stakeout	1	lump sum	\$ 300,000.00	\$ 300,000.00	\$ 75,000.00	\$ 75,000.00	\$ 392,000.00	\$ 392,000.00	\$ 522,000.00	\$ 522,000.00	\$ 388,299.41	\$ 388,299.41															
#E-14	P-101-5.1	Bituminous Pavement Milling - 0.5-inch to 3 inch Nominal	59,350	square yard	\$ 4.40	\$ 261,140.00	\$ 3.50	\$ 207,725.00	\$ 4.79	\$ 284,286.50	\$ 5.09	\$ 302,091.50	\$ 3.92	\$ 232,430.92															
#E-15	P-101-5.2	Full-Depth Shoulder Removal Bituminous Pavement Removal (2 to 3-inch)	35,990	square yard	\$ 4.24	\$ 152,597.60	\$ 9.00	\$ 323,910.00	\$ 4.78	\$ 172,032.20	\$ 5.09	\$ 183,189.10	\$ 21.75	\$ 782,727.82															
#E-16	P-101-5.3	Full-Depth Tackway Bituminous Pavement Removal (6 to 13-inch)	21,300	square yard	\$ 18.80	\$ 400,440.00	\$ 16.00	\$ 340,800.00	\$ 10.90	\$ 232,170.00	\$ 21.68	\$ 461,784.00	\$ 40.20	\$ 856,268.88															
#E-17	P-101-5.4	Pavement Marking Obliteration	13,560	linear foot	\$ 2.28	\$ 30,894.00	\$ 3.49	\$ 47,289.50	\$ 4.60	\$ 62,330.00	\$ 4.32	\$ 58,536.00	\$ 7.32	\$ 99,233.96															
#E-18	P-101-5.5	Major Crack Repair	3,300	linear foot	\$ 8.55	\$ 28,215.00	\$ 25.78	\$ 85,074.00	\$ 14.80	\$ 49,040.00	\$ 9.98	\$ 32,934.00	\$ 10.16	\$ 33,529.07															
#E-19	P-101-5.6	Chain-Link Fence Removal	380	linear foot	\$ 15.96	\$ 6,064.80	\$ 22.48	\$ 8,542.40	\$ 11.65	\$ 4,427.00	\$ 4.64	\$ 1,763.20	\$ 14.00	\$ 5,320.00															
#E-20	P-151-4.1	Cleaning and Grubbing	11	acre	\$ 12,605.60	\$ 138,661.60	\$ 865.77	\$ 9,743.47	\$ 5,020.00	\$ 55,220.00	\$ 10,812.31	\$ 118,935.41	\$ 32,000.00	\$ 352,000.00															
#E-21	P-152-4.1	Unclassified Excavation	11,930	cubic yard	\$ 7.24	\$ 86,373.20	\$ 5.89	\$ 70,267.70	\$ 12.85	\$ 153,300.50	\$ 7.70	\$ 91,861.00	\$ 40.73	\$ 485,956.70															
#E-22	P-152-4.2	Compacted Subgrade	53,530	square yard	\$ 6.77	\$ 362,388.10	\$ 2.50	\$ 133,825.00	\$ 4.86	\$ 260,155.80	\$ 5.79	\$ 309,938.70	\$ 16.80	\$ 899,400.92															
#E-23	P-153-6.1	Fuel Protection Zone Subgrade Work Controlled Low Strength Material (CLSM)	130	cubic yard	\$ 433.11	\$ 56,304.30	\$ 403.81	\$ 52,495.30	\$ 463.00	\$ 60,190.00	\$ 374.83	\$ 48,727.90	\$ 569.10	\$ 73,982.87															
#E-24	P-211-5.1	Install 6" Unimercok base	52,640	square yard	\$ 26.97	\$ 1,419,700.80	\$ 14.75	\$ 776,440.00	\$ 18.65	\$ 987,736.00	\$ 16.11	\$ 848,030.40	\$ 29.37	\$ 1,545,817.70															
#E-25	P-401-8.1	Bituminous Paving Surface Course (PG 76-22) 3/4-inch Aggregate	22,330	ton	\$ 202.00	\$ 4,510,660.00	\$ 155.00	\$ 3,461,150.00	\$ 185.75	\$ 4,147,797.50	\$ 233.10	\$ 5,205,123.00	\$ 292.87	\$ 6,539,890.89															
#E-26	P-401-8.2	Bituminous Paving Surface Course (PG 67-22) 1-inch Aggregate	7,300	ton	\$ 177.00	\$ 1,292,100.00	\$ 152.00	\$ 1,109,600.00	\$ 179.10	\$ 1,307,430.00	\$ 212.10	\$ 1,548,330.00	\$ 258.73	\$ 1,888,720.78															
#E-27	P-602-5.1	Emulsified Asphalt Prime Coat	15,800	gallon	\$ 10.00	\$ 158,000.00	\$ 5.68	\$ 89,744.00	\$ 9.31	\$ 147,098.00	\$ 14.70	\$ 232,260.00	\$ 7.85	\$ 124,073.03															
#E-28	P-603-5.1	Emulsified Asphalt Tack Coat	12,150	gallon	\$ 10.00	\$ 121,500.00	\$ 6.04	\$ 73,366.00	\$ 5.55	\$ 67,432.50	\$ 12.60	\$ 153,090.00	\$ 7.85	\$ 95,410.59															
#E-29	P-620-5.1	Permanent Pavement Markings with Type I Reflective Beads	40,170	square foot	\$ 3.14	\$ 126,133.80	\$ 2.09	\$ 83,955.30	\$ 3.20	\$ 128,544.00	\$ 3.01	\$ 120,911.70	\$ 4.08	\$ 163,808.86															
#E-30	P-620-5.2	Permanent Pavement Markings without Reflective Beads	13,550	square foot	\$ 2.85	\$ 38,617.50	\$ 2.00	\$ 27,100.00	\$ 2.97	\$ 40,243.50	\$ 2.79	\$ 37,804.50	\$ 2.95	\$ 39,932.98															
#E-31	P-620-5.3	Permanent Pavement Markings without Reflective Beads	54,300	square foot	\$ 2.85	\$ 154,755.00	\$ 1.50	\$ 81,450.00	\$ 2.50	\$ 135,750.00	\$ 2.35	\$ 127,605.00	\$ 2.95	\$ 160,032.98															
#E-32	P-620-5.4	Temporary Pavement Markings with Type I Reflective Beads	40,170	square foot	\$ 3.14	\$ 126,133.80	\$ 2.09	\$ 83,955.30	\$ 4.36	\$ 175,141.20	\$ 4.11	\$ 165,098.70	\$ 3.47	\$ 139,369.00															
#E-33	P-620-5.5	Surface Painted Hold Signs (SPHS) (Thermoplastic)	8	each	\$ 22,800.00	\$ 182,400.00	\$ 28,929.28	\$ 231,434.24	\$ 19,200.00	\$ 153,600.00	\$ 18,063.87	\$ 144,510.96	\$ 14,000.00	\$ 112,000.00															
#E-34	D-701-5.1	Excavate Pipe Dewater, Clean, and Inspect 12-inches to 24-inches	3,420	linear foot	\$ 16.38	\$ 56,019.60	\$ 20.55	\$ 70,281.00	\$ 16.30	\$ 55,746.00	\$ 13.83	\$ 47,298.60	\$ 25.00	\$ 85,500.00															
#E-35	D-701-5.2	Excavate Pipe Dewater, Clean, and Inspect 30-inches to 42-inches	2,590	linear foot	\$ 29.49	\$ 76,379.10	\$ 32.29	\$ 83,631.10	\$ 25.60	\$ 66,304.00	\$ 24.89	\$ 64,465.10	\$ 40.00	\$ 103,600.00															
#E-36	D-701-5.3	Excavate Pipe Dewater, Clean, and Inspect 48-inches to 66-inches	4,120	linear foot	\$ 50.46	\$ 207,895.20	\$ 61.65	\$ 253,998.00	\$ 48.90	\$ 201,468.00	\$ 42.60	\$ 175,512.00	\$ 60.00	\$ 247,200.00															
#E-37	D-701-5.4	Excavate Drainage Structure Dewater, Clean, and Inspect	58	each	\$ 458.68	\$ 26,603.44	\$ 613.73	\$ 35,603.74	\$ 407.25	\$ 23,620.50	\$ 387.23	\$ 22,459.34	\$ 750.00	\$ 43,500.00															
#E-38	D-701-5.5	Flexible GROUT Injections 48-inch Pipe	5	each	\$ 2,096.84	\$ 10,484.20	\$ 2,642.03	\$ 13,210.15	\$ 2,090.00	\$ 10,450.00	\$ 1,770.20	\$ 8,851.00	\$ 4,000.00	\$ 20,000.00															
#E-39	D-701-5.6	Flexible GROUT Injections 60-inch Pipe	19	each	\$ 2,021.04	\$ 38,399.76	\$ 3,082.37	\$ 58,565.03	\$ 2,440.00	\$ 46,360.00	\$ 2,212.75	\$ 42,042.25	\$ 6,500.00	\$ 161,500.00															
#E-40	F-162-5.1	Permanent Chain-Link Fence	380	linear foot	\$ 136.80	\$ 51,984.00	\$ 195.86	\$ 74,426.80	\$ 29.10	\$ 11,094.00	\$ 96.16	\$ 36,540.80	\$ 63.00	\$ 23,940.00															
#E-41	F-304-5.1	Sodding	57,030	square yard	\$ 6.73	\$ 383,811.00	\$ 9.18	\$ 523,535.40	\$ 4																				

#1-48	L-108-5.2	Saw cut and hand excavate minimum 8" wide x 28" deep in existing full strength pavement	25	linear foot	\$ 44.46	\$ 1,111.50	\$ 59.39	\$ 1,484.75	\$ 45.40	\$ 1,135.00	\$ 40.95	\$ 1,023.75	\$ 55.00	\$ 1,375.00
#1-49	L-108-5.3	3/4" x 20 ground rods connected to counterpoise.	39	each	\$ 239.40	\$ 9,336.60	\$ 319.79	\$ 12,471.81	\$ 244.40	\$ 9,551.60	\$ 220.50	\$ 8,599.50	\$ 320.00	\$ 12,480.00
#1-50	L-108-5.4	Additional 10' ground rod sections.	39	each	\$ 96.90	\$ 3,779.10	\$ 229.44	\$ 5,048.16	\$ 98.90	\$ 3,857.10	\$ 89.25	\$ 3,480.75	\$ 200.00	\$ 7,800.00
#1-51	L-108-5.5	#6 bare solid AWG counterpoise conductor installed over conduit	16,800	linear foot	\$ 1.77	\$ 29,205.00	\$ 2.36	\$ 38,940.00	\$ 1.80	\$ 29,700.00	\$ 1.63	\$ 26,895.00	\$ 2.00	\$ 33,000.00
#1-52	L-108-5.6	#6 AWG, L-824 conductor installed in new and existing bank structure	38,800	linear foot	\$ 2.05	\$ 79,540.00	\$ 2.74	\$ 106,312.00	\$ 2.09	\$ 81,092.00	\$ 1.89	\$ 73,332.00	\$ 3.00	\$ 116,400.00
#1-53	L-108-5.7	#6 600V XHHW conductor installed in new and existing conduit/direct bank system.	27,900	linear foot	\$ 2.00	\$ 55,000.00	\$ 2.66	\$ 73,150.00	\$ 2.04	\$ 56,100.00	\$ 1.84	\$ 50,600.00	\$ 2.75	\$ 75,625.00
#1-54	L-110-5.1	One 2" schedule 40 PVC conduit concrete encased and installed in earth, 24-inch minimum cover, complete in place.	15,450	linear foot	\$ 14.25	\$ 220,162.50	\$ 19.03	\$ 294,013.50	\$ 14.55	\$ 224,797.50	\$ 13.13	\$ 202,659.50	\$ 35.00	\$ 540,750.00
#1-55	L-110-5.2	Installed in new full strength pavement, 24-inch minimum cover, complete in place.	695	linear foot	\$ 28.50	\$ 19,807.50	\$ 38.07	\$ 26,458.65	\$ 29.10	\$ 20,224.50	\$ 26.25	\$ 18,243.75	\$ 40.00	\$ 27,800.00
#1-56	L-110-5.3	One 2" schedule 40 PVC conduit concrete encased and installed in existing full strength pavement, 24-inch minimum cover, complete in place.	175	linear foot	\$ 28.50	\$ 4,987.50	\$ 38.07	\$ 6,662.25	\$ 29.10	\$ 5,092.50	\$ 26.25	\$ 4,593.75	\$ 45.00	\$ 7,875.00
#1-57	L-110-5.4	One 2" HDPE conduit directional bored 48" deep beneath existing full strength and shoulder pavements complete in place.	220	linear foot	\$ 45.60	\$ 10,032.00	\$ 60.91	\$ 13,400.20	\$ 46.55	\$ 10,241.00	\$ 42.00	\$ 9,240.00	\$ 40.00	\$ 8,800.00
#1-58	L-110-5.5	Intercept existing conduit system and connect to new conduit	75	each	\$ 273.60	\$ 20,520.00	\$ 385.47	\$ 27,410.25	\$ 279.30	\$ 20,947.50	\$ 252.00	\$ 18,900.00	\$ 250.00	\$ 18,750.00
#1-59	L-115-5.1	L-867 16" diameter junction can with cover installed in earth/new pavement	1	each	\$ 1,824.00	\$ 1,824.00	\$ 2,436.45	\$ 2,436.45	\$ 1,860.00	\$ 1,860.00	\$ 1,680.00	\$ 1,680.00	\$ 2,200.00	\$ 2,200.00
#1-60	L-115-5.2	L-867 16" diameter bottomless 2 can junction can plaza installed in earth/new shoulder pavement	3	each	\$ 9,918.00	\$ 29,754.00	\$ 13,248.25	\$ 39,744.75	\$ 10,100.00	\$ 30,300.00	\$ 9,135.00	\$ 27,405.00	\$ 14,000.00	\$ 42,000.00
#1-61	L-115-5.3	L-867 16" diameter bottomless 3 can junction can plaza installed in earth/new shoulder pavement	3	each	\$ 12,312.00	\$ 36,936.00	\$ 16,446.10	\$ 49,338.30	\$ 12,600.00	\$ 37,800.00	\$ 11,340.00	\$ 34,020.00	\$ 16,500.00	\$ 49,500.00
#1-62	L-115-5.4	L-867 16" diameter bottomless 4 can junction can plaza installed in earth/new shoulder pavement	1	each	\$ 16,267.80	\$ 16,267.80	\$ 21,730.17	\$ 21,730.17	\$ 16,600.00	\$ 16,600.00	\$ 14,983.50	\$ 14,983.50	\$ 18,500.00	\$ 18,500.00
#1-63	L-115-5.5	Intercept existing light base can in earth and connect to system.	7	each	\$ 1,208.40	\$ 8,458.80	\$ 1,614.15	\$ 11,299.05	\$ 1,230.00	\$ 8,610.00	\$ 1,113.00	\$ 7,791.00	\$ 1,000.00	\$ 7,000.00
#1-64	L-115-5.6	Removal of existing junction can/light base can in earth/existing shoulder pavement, complete	198	each	\$ 684.00	\$ 135,432.00	\$ 913.67	\$ 180,906.66	\$ 698.25	\$ 138,253.50	\$ 849.05	\$ 167,913.90	\$ 350.00	\$ 69,300.00
#1-65	L-115-5.7	Removal of existing junction can/light base can in existing full strength pavement, complete	29	each	\$ 684.00	\$ 19,836.00	\$ 913.67	\$ 26,496.43	\$ 698.25	\$ 20,249.25	\$ 852.65	\$ 24,726.85	\$ 1,000.00	\$ 29,000.00
#1-66	L-115-5.8	Removal of existing base can top section, backfill bottom section	1	each	\$ 313.50	\$ 313.50	\$ 418.77	\$ 418.77	\$ 320.00	\$ 320.00	\$ 288.75	\$ 288.75	\$ 1,500.00	\$ 1,500.00
#1-67	L-115-5.9	Removal of existing junction can plaza in earth, complete	6	each	\$ 1,539.00	\$ 9,234.00	\$ 2,055.76	\$ 12,334.56	\$ 1,570.00	\$ 9,420.00	\$ 3,604.52	\$ 22,827.12	\$ 6,000.00	\$ 48,000.00
#1-68	L-115-5.10	Removal of existing concrete manhole/maintenance access structure in earth, complete	2	each	\$ 5,130.00	\$ 10,260.00	\$ 6,852.54	\$ 13,705.08	\$ 5,240.00	\$ 10,480.00	\$ 14,017.82	\$ 28,035.64	\$ 16,000.00	\$ 32,000.00
#1-69	L-125-5.1	New L-861 T(L) LED roadway elevated edge light and new base can installed in new shoulder pavement	199	each	\$ 2,280.00	\$ 453,720.00	\$ 3,045.57	\$ 606,068.43	\$ 2,330.00	\$ 463,670.00	\$ 2,100.00	\$ 417,900.00	\$ 2,500.00	\$ 497,500.00
#1-70	L-125-5.2	New L-861 T(L) LED roadway elevated edge light and new base can installed in existing paved shoulder	1	each	\$ 1,824.00	\$ 1,824.00	\$ 2,436.45	\$ 2,436.45	\$ 1,860.00	\$ 1,860.00	\$ 1,680.00	\$ 1,680.00	\$ 3,000.00	\$ 3,000.00
#1-71	L-125-5.3	New L-852 G(L) LED flush mounted roadway guard light with control sequencing module and a new L-868 base can installed in existing full strength pavement	61	each	\$ 5,415.00	\$ 330,315.00	\$ 7,233.24	\$ 441,227.64	\$ 5,530.00	\$ 337,330.00	\$ 4,987.50	\$ 304,237.50	\$ 5,200.00	\$ 317,200.00
#1-72	L-125-5.4	New L-858, size 3-4 characters LED guidance sign and concrete base installed in earth	14	each	\$ 13,680.00	\$ 191,520.00	\$ 18,273.45	\$ 255,828.30	\$ 14,000.00	\$ 196,000.00	\$ 12,600.00	\$ 176,400.00	\$ 12,000.00	\$ 168,000.00
#1-73	L-125-5.5	New L-858, size 3.5-6 characters LED guidance sign and concrete base installed in earth	6	each	\$ 15,960.00	\$ 95,760.00	\$ 21,319.02	\$ 127,914.12	\$ 16,300.00	\$ 97,800.00	\$ 14,700.00	\$ 88,200.00	\$ 15,000.00	\$ 90,000.00
#1-74	L-125-5.6	New L-858, size 3.9-10 characters LED guidance sign and concrete base installed in earth	2	each	\$ 24,168.00	\$ 48,336.00	\$ 32,283.09	\$ 64,566.18	\$ 24,700.00	\$ 49,400.00	\$ 22,260.00	\$ 44,520.00	\$ 21,000.00	\$ 42,000.00
#1-75	L-125-5.7	New L-858, size 3.5-6 characters LED guidance sign and concrete base installed in existing pavement	1	each	\$ 21,090.00	\$ 21,090.00	\$ 28,171.57	\$ 28,171.57	\$ 21,500.00	\$ 21,500.00	\$ 19,425.00	\$ 19,425.00	\$ 17,000.00	\$ 17,000.00
#1-76	L-125-5.8	New L-858, size 3.3-4 characters LED guidance sign and concrete base installed in existing concrete base	1	each	\$ 5,415.00	\$ 5,415.00	\$ 7,233.24	\$ 7,233.24	\$ 5,530.00	\$ 5,530.00	\$ 4,987.50	\$ 4,987.50	\$ 7,000.00	\$ 7,000.00
#1-77	L-125-5.9	Repair L-858(L) size 3.2 module LED guidance sign.	10	each	\$ 1,425.00	\$ 14,250.00	\$ 1,803.48	\$ 19,034.80	\$ 1,450.00	\$ 14,500.00	\$ 1,312.50	\$ 13,125.00	\$ 2,000.00	\$ 20,000.00

#1-78	L-125-5.10	Repair L-458(L) size 3, 3 module LTD guidance sign.	7	each	\$ 1,425.00	\$ 9,976.00	\$ 1,903.48	\$ 13,324.36	\$ 1,450.00	\$ 10,150.00	\$ 1,312.50	\$ 9,187.50	\$ 2,500.00	\$ 17,500.00
#1-79	L-125-5.11	Repair L-458(L) size 3, 4 module LTD guidance sign.	6	each	\$ 1,425.00	\$ 8,550.00	\$ 1,903.49	\$ 11,420.94	\$ 1,450.00	\$ 8,700.00	\$ 1,312.50	\$ 7,875.00	\$ 3,000.00	\$ 18,000.00
#1-80	L-125-5.12	Intercept existing circuit conductors in existing base can/ maintenance access structure/ junction can and extend circuits accordingly.	104	each	\$ 256.50	\$ 26,676.00	\$ 342.63	\$ 36,633.52	\$ 261.90	\$ 27,237.60	\$ 236.25	\$ 24,570.00	\$ 450.00	\$ 46,800.00
#1-81	L-125-5.13	Removal of existing guidance sign and concrete base in existing structure/government, complete.	24	each	\$ 1,681.50	\$ 40,356.00	\$ 2,246.11	\$ 53,906.64	\$ 1,720.00	\$ 41,280.00	\$ 6,444.54	\$ 154,666.96	\$ 1,200.00	\$ 28,800.00
#1-82	L-125-5.14	Removal of existing elevated light and provide and install new cable, complete.	4	each	\$ 294.12	\$ 1,176.48	\$ 392.88	\$ 1,571.52	\$ 300.25	\$ 1,201.00	\$ 270.90	\$ 1,063.60	\$ 500.00	\$ 2,000.00
#1-83	L-125-5.15	Identification of cables, duct banks and lighting fixtures per FAA Specifications.	1	lump sum	\$ 9,006.00	\$ 9,006.00	\$ 12,030.02	\$ 12,030.02	\$ 9,190.00	\$ 9,190.00	\$ 8,295.00	\$ 8,295.00	\$ 30,000.00	\$ 30,000.00
#1-84	L-125-5.16	Installation of ALCMS Equipment, complete.	1	lump sum	\$ 8,006.50	\$ 8,006.50	\$ 10,697.59	\$ 10,697.59	\$ 8,180.00	\$ 8,180.00	\$ 7,376.25	\$ 7,376.25	\$ 2,500.00	\$ 2,500.00
#1-85	L-125-5.18	New L-453 Sign Panels for existing signs per sign schedule.	1	lump sum	\$ 20,953.20	\$ 20,953.20	\$ 27,988.82	\$ 27,988.82	\$ 21,400.00	\$ 21,400.00	\$ 19,299.00	\$ 19,299.00	\$ 43,000.00	\$ 43,000.00
					GAC Total:	\$ 16,987,873.57	OHLA Total:	\$ 17,743,387.96	Ranger Total:	\$ 16,659,042.50	Ryan Total:	\$ 18,165,563.85	Eng Est. Total:	\$ 24,519,016.19