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MEMORANDUM

VIA E-MAIL

Date: June 1, 2005

To: Mr. Philip Smithmeyer
Federal Aviation Administration

From: Shawn M. Kinder [ORIGINAL SIGNED]

Subject: COST ESTIMATES FOR O'HARE MODERNIZATION PROGRAM

We have enclosed additional detail on the cost estimate for the O'Hare Modernization Program (OMP). This detail is from the cost estimate prepared by the City of Chicago's construction management team in January 2003.

This cost estimate information includes itemized construction costs and soft costs (including contingencies) for the OMP. The enclosed documents enumerate the soft cost/contingency levels used in this estimate for each project.

In addition to the project contingencies allocated for each project, the program estimate provides for additional contingency at the program level. The following is a summary of the total costs. Please note all cost numbers represent Year 2001 cost values.

Summary of Total Costs:

Construction Costs	\$5,146,200,080
Planning, Design, CM, & PM	\$589,000,795
Project Contingency	\$686,083,349
Subtotal	\$6,421,284,223
Program Contingency	\$178,715,777
Total	\$6,600,000,000

Please let me know if you have any questions or require additional information.

cc: 02-01-0215-04-4120
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O'HARE MODERNIZATION PROGRAM - PROJECT ROLLUP

Geographic Area	Element	Project Description	Construction Costs	Design / PM & CM Management Costs	Project Contingencies	Total Project Budget
OMP Program Wide						
	Program Wide					
		Sound Program / Property Acquisitions	\$800,000,000	\$0	\$0	\$800,000,000
		Environmental - Wetland Mitigation	\$20,000,000	\$0	\$0	\$20,000,000
		Front End Planning / Environmental / Legal Support	\$59,500,000	\$0	\$0	\$59,500,000
		Miscellaneous Operations Budget	\$20,000,000	\$0	\$0	\$20,000,000
		Subtotal	\$899,500,000	\$0	\$0	\$899,500,000
OMP North Airfield						
	Runway 9L/27R					
		Runway 9L/27R & Associated Taxiways	\$324,318,820	\$43,783,041	\$32,431,882	\$400,533,743
		Airfield Lighting Vault (North) - Runway 9L/27R Related Airfield Facility	\$10,514,500	\$1,682,320	\$1,577,175	\$13,773,995
		ATCT and Utilities to Existing - Runway 9L/27R Related Airfield Facility	\$15,771,760	\$2,523,482	\$3,154,352	\$21,449,594
		Facilities Infrastructure - Runway 9L/27R	\$79,280,670	\$10,702,890	\$23,784,201	\$113,767,761
		Sub Total Runway 9L/27R	\$429,885,750	\$58,691,733	\$60,947,610	\$549,525,093
	Runway 9C/27C					
		Facilities Demolition North - Runway 9C/27C Related	\$3,850,960	\$442,860	\$770,192	\$5,064,012
		Cargo & Maintenance Facility Relocation - Runway 9C/27C Related	\$228,957,940	\$30,909,322	\$45,791,588	\$305,658,850
		Runway 9C/27C & Associated Taxiways	\$248,390,430	\$33,532,708	\$24,839,043	\$306,762,181
		Facilities Infrastructure - Runway 9C/27C	\$32,091,860	\$4,332,401	\$9,627,558	\$46,051,819
		Sub Total Runway 9C/27C	\$513,291,190	\$69,217,291	\$81,028,381	\$663,536,862
	Runway 9R/27L Extension					
		Runway 9R/27L & Associated Taxiways	\$90,039,900	\$12,155,387	\$9,003,990	\$111,199,277
		Facilities Infrastructure - Runway 9R/27L	\$21,583,440	\$2,913,764	\$6,475,032	\$30,972,236
		Sub Total Runway 9R/27L	\$111,623,340	\$15,069,151	\$15,479,022	\$142,171,513
	Runway 18-36					
		Runway 18-36 Decommissioning	\$1,936,770	\$261,464	\$193,677	\$2,391,911
		Sub Total Runway 18-36	\$1,936,770	\$261,464	\$193,677	\$2,391,911
	Runway 14R/32L					
		New Pavement 14R/32L & Associated Taxiways	\$29,168,290	\$3,937,719	\$2,916,829	\$36,022,838
		Facilities Infrastructure - Runway 14R/32L	\$53,964,680	\$7,285,232	\$16,189,404	\$77,439,316
		Sub Total Runway 14R/32L	\$83,132,970	\$11,222,951	\$19,106,233	\$113,462,154
OMP South Airfield						
	Runway 10L/28R					
		Runway 10L/28R & Associated Taxiways	\$156,210,830	\$21,088,462	\$15,621,083	\$192,920,375
		Facilities Infrastructure - Runway 10L/28R	\$56,710,710	\$7,655,946	\$17,013,213	\$81,379,869
		Relocate Irving Park Road and Rebuild New Irving/York Intersection	\$42,588,886	\$5,536,555	\$4,258,889	\$52,384,330
		Relocate Existing Railroad	\$112,926,707	\$15,245,105	\$33,878,012	\$162,049,825
		Sub Total 10L/28R	\$368,437,134	\$49,526,069	\$70,771,197	\$488,734,399
	Runway 10C/28C					
		Facilities Demolition South - Runway 10C/28C Related	\$5,361,680	\$616,593	\$1,072,336	\$7,050,609
		Cargo & Maintenance Facility Relocation - Runway 10C/28C Related	\$171,050,110	\$23,091,765	\$34,210,022	\$228,351,897
		Runway 10C/28C & Associated Taxiways	\$519,305,050	\$70,106,182	\$51,930,505	\$641,341,737
		Airfield Lighting Vault (South) - Runway 10C/28C Related Airfield Facility	\$15,982,050	\$2,557,128	\$2,397,308	\$20,936,486
		Relocate Crash Fire Rescue Station CRF#2- Runway 10C/28C Related Airfield Facility	\$5,257,250	\$841,160	\$1,577,175	\$7,675,585
		Facilities Infrastructure - Runway 10C/28C	\$42,904,820	\$5,792,151	\$12,871,446	\$61,568,417
		Sub Total Runway 10C/28C	\$759,860,960	\$103,004,979	\$104,058,792	\$966,924,730
	Runway 10R/28L					
		Runway 10R/28L & Associated Taxiways	\$187,987,770	\$25,378,349	\$18,798,777	\$232,164,896
		ATCT and Utilities to Existing - Runway 10R/28L Related Airfield Facility	\$15,771,760	\$2,523,482	\$3,154,352	\$21,449,594
		Facilities Infrastructure - Runway 10R/28L	\$85,367,450	\$11,524,606	\$25,610,235	\$122,502,291
		Sub Total Runway 10R/28L	\$289,126,980	\$39,426,436	\$47,563,364	\$376,116,780

O'HARE MODERNIZATION PROGRAM - PROJECT ROLLUP

Geographic Area	Element	Project Description	Construction Costs	Design / PM & CM Management Costs	Project Contingencies	Total Project Budget
OMP Western Terminal Complex						
	Concourse					
		Concourse Apron	\$173,680,680	\$22,578,488	\$17,368,068	\$213,627,236
		Fuel Farm Expansion - Concourse Related Airfield Facility	\$37,957,360	\$6,073,178	\$5,693,604	\$49,724,142
		Hydrant Fueling Distribution System - Concourse Related Airfield Facility	\$9,252,760	\$1,249,123	\$2,775,828	\$13,277,711
		Facilities Infrastructure - West Terminal Concourse	\$15,529,670	\$2,096,505	\$4,658,901	\$22,285,076
		Terminal 7 Facility - Concourse	\$247,003,550	\$39,520,568	\$37,050,533	\$323,574,651
		Passenger Loading Bridges/PreAir/400Hz - Concourse	\$25,858,590	\$2,973,738	\$3,878,789	\$32,711,116
		Sub Total Western Terminal Complex - Concourse	\$509,282,610	\$74,491,600	\$71,425,722	\$655,199,932
	Energy Facility					
		Energy Plant/Tunnels - Concourse Narrow Body	\$46,809,020	\$7,255,398	\$7,021,353	\$61,085,771
		Sub Total Energy Plant	\$46,809,020	\$7,255,398	\$7,021,353	\$61,085,771
	Terminal					
		Terminal Apron	\$94,697,830	\$12,310,718	\$9,469,783	\$116,478,331
		Facilities Infrastructure -West Terminal	\$24,011,840	\$3,241,598	\$7,203,552	\$34,456,990
		Terminal 7 Facility - Terminal	\$399,466,360	\$61,917,286	\$59,919,954	\$521,303,600
		Luggage handling System	\$77,100,340	\$11,950,553	\$11,565,051	\$100,615,944
		Passenger Loading Bridges/PreAir/400Hz - Terminal	\$8,696,840	\$956,652	\$1,304,526	\$10,958,018
		Sub Total Western Terminal Complex - Terminal	\$603,973,210	\$90,376,807	\$89,462,866	\$783,812,883
	Parking Structure					
		Parking Garage	\$76,369,600	\$11,837,290	\$11,455,440	\$99,662,330
		Parking Lot	\$9,369,740	\$1,218,066	\$936,974	\$11,524,781
		Terminal West Access Roads and Bridges	\$132,098,467	\$17,172,801	\$13,209,847	\$162,481,114
		Sub Total Parking Structure	\$217,837,807	\$30,228,157	\$25,602,261	\$273,668,224
	Peplemover					
		ATS - Airside	\$302,075,870	\$38,771,135	\$90,622,761	\$431,469,766
		ATS - Maintenance Center	\$9,287,320	\$1,439,535	\$2,786,196	\$13,513,051
		Sub Total Peplemover	\$311,363,190	\$40,210,670	\$93,408,957	\$444,982,817
		TOTAL	\$5,146,060,931	\$588,982,705	\$686,069,434	\$6,421,113,070



O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY**Project No:****Project Description: Runway 9L/27R & Associated Taxiways**

Budget Component	Unit Cost	Total Cost
Construction Budget		
Miscellaneous 9L/27R		
Demolition Post #1 and Related Area	\$	300,000
Demolition Runways and Blast Pads	\$	-
Temporary Runway 14L Nav aids	\$	315,000
Security and Related	\$	11,319,000
Earthwork	\$	72,229,000
General Drainage	\$	52,245,000
Special (Relocations)	\$	64,000,000
New Roadways and Related	\$	32,793,000
New Runway 9L/27R		
Runway Pavement and Shoulders	\$	20,934,000
Runway Blast Pads	\$	1,173,000
Runway Edge Lighting System	\$	1,722,000
Runway Centerline Lighting System	\$	1,859,000
Runway Touchdown Zone Lighting System	\$	1,770,000
Runway Home Run Electrical System (RW/TW inclusive)	\$	2,584,000
Runway Guidance Signs	\$	230,000
Runway NAVAIDS	\$	9,800,000
Runway Weather Sensor System	\$	520,000
New Taxiways 9L / 27R		
Taxiway Pavement and Shoulders Group V	\$	29,349,000
Taxiway Edge Lighting System	\$	3,816,000
Taxiway Stop Bar / Guard Lighting Systems	\$	1,275,000
Taxiway Guidance Signs	\$	216,000
Mobilization for 9L-27R, Misc. Runway and Taxiway (At 4%)	\$	12,337,960
Performance and Payment Bond	\$	3,207,870
Permits	\$	323,990
Total Construction Budget	\$	324,318,820
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (6%)	\$	19,459,129
Program Management (1.5%)	\$	4,864,782
Construction Management/ Field Supervision/ Testing & Inspection (5%)	\$	16,215,941
Development Labor Costs (0.5%)	\$	1,621,594
Capital Finance /Communications Labor Costs		Not Included
Airport Operations Factor (0.5%)	\$	1,621,594

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY**Project No:****Project Description: Runway 9L/27R & Associated Taxiways**

Budget Component	Unit Cost	Total Cost
DOA Management (0%)		\$ -
<i>Total Planning, Design Mgmt & Admin Budget</i>		\$ 43,783,041
Project Contingencies		
Contingency (10% of Construction Budget)		\$ 32,431,882
Escalation		Not Included
<i>Contingencies Total</i>		\$ 32,431,882
Total Project Budget		\$ 400,533,743

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY**Project No:****Project Description: Airfield Lighting Vault (North)**

Budget Component	Unit Cost	Total Cost
Construction Budget		
New Runway 9L/27R Related	\$	10,000,000
Mobilization for ALV (North at 4%)	\$	400,000
Performance and Payment Bond	\$	104,000
Permits	\$	10,500
<i>Total Construction Budget</i>	\$	10,514,500
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (8.5%)	\$	893,733
Program Management (1.5%)	\$	157,718
Construction Management/ Field Supervision/ Testing & Inspection (5%)	\$	525,725
Development Labor Costs (0.5%)	\$	52,573
Capital Finance /Communications Labor Costs		Not Included
Airport Operations Factor (0.5%)	\$	52,573
DOA Management (0%)	\$	-
<i>Total Planning, Design Mgmt & Admin Budget</i>	\$	1,682,320
Project Contingencies		
Contingency (15% of Construction Budget)	\$	1,577,175
Escalation		Not Included
<i>Contingencies Total</i>	\$	1,577,175
Total Project Budget	\$	13,773,995

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY**Project No:****Project Description: ATCT and Utilities- Runway 9L/27R**

Budget Component	Unit Cost	Total Cost
Construction Budget		
New Runway 9L/27R Related	\$	15,000,000
Mobilization for ATCT (At 4%)	\$	600,000
Performance and Payment Bond	\$	156,000
Permits	\$	15,760
<i>Total Construction Budget</i>		<hr/> \$ 15,771,760
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (8.5%)	\$	1,340,600
Program Management (1.5%)	\$	236,576
Construction Management/ Field Supervision/ Testing & Inspection (5%)	\$	788,588
Development Labor Costs (0.5%)	\$	78,859
Capital Finance /Communications Labor Costs		Not Included
Airport Operations Factor (0.5%)	\$	78,859
DOA Management (0%)	\$	-
Total Planning, Design Mgmt & Admin Budget		<hr/> \$ 2,523,482
Project Contingencies		
Contingency (20% of Construction Budget)	\$	3,154,352
Escalation		Not Included
<i>Contingencies Total</i>		<hr/> \$ 3,154,352
Total Project Budget		<hr/> \$ 21,449,594

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Facilities Infrastructure - Runway 9L/27R

Area: 16,000,000

Budget Component	Unit Cost	Total Cost
Construction Budget		
Hazardous Remediation	-	\$ -
Infra/Site Demolition and JTOW	0.96	\$ 15,391,000
Infra/Site Shoring and Underpinning	0.02	\$ 250,000
Infra/Site Storm and Sanitary Drains	0.57	\$ 9,106,000
Infra/Site Water, Gas, Utilities	0.06	\$ 1,020,500
Infra/Site Power and Comm. Utilities	2.32	\$ 37,065,080
Infra/Site Lighting	-	\$ -
Infra/Site Earth Work	-	\$ -
Infra/Site Site Improvements	-	\$ -
Infra/Site Landscaping	-	\$ -
Infra/Site Paving and Surfacing	-	\$ -
Infra/Site Concrete	-	\$ -
Infra/Site Structural Precast Concrete	-	\$ -
Infra/Site Architectural Precast Concrete	-	\$ -
Infra/Site Masonry	-	\$ -
Infra/Site Stone	-	\$ -
Infra/Site Structural Metal Framing	-	\$ -
Infra/Site Miscellaneous Metal	-	\$ -
Infra/Site Misc.	0.23	\$ 3,750,000
Infr/Site Damproofing	-	\$ -
Miscellaneous Building Structures	-	\$ -
General Requirements	0.62	\$ 9,987,390
Contractual Insurance	0.07	\$ 1,148,550
Performance and Payment Bond	0.05	\$ 777,190
Permits	0.05	\$ 784,960
Total Construction Budget	4.96	\$ 79,280,670
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (6%)	0.30	\$ 4,756,840
Program Management (1.5%)	0.07	\$ 1,189,210
Construction Management/ Field Supervision/ Testing & Insp	0.25	\$ 3,964,034
Development Labor Costs. (0.5%)	0.02	\$ 396,403
Capitol Finance/Communications Labor Costs		Not Included
Airport Operations Factor (0.5%)	0.02	\$ 396,403
DOA Management (0%)	-	\$ -
Total Planning, Design Mgmt & Admin Budget	0.67	\$ 10,702,890

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Facilities Infrastructure - Runway 9L/27R

Area: 16,000,000

Budget Component	Unit Cost	Total Cost
Project Contingencies		
Contingency 30% of Construction Budget)	1.49	\$ 23,784,201
Escalation		Not Included
<i>Contingencies Total</i>	1.49	<u>\$ 23,784,201</u>
Total Project Budget	7.11	\$ 113,767,761

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Facility Demolition North

Area:

Budget Component	Unit Cost	Total Cost
Project Contingencies		
Contingency (20% of Construction Budget)		\$ 770,192
Escalation		Not Included
<i>Contingencies Total</i>		<hr/> \$ 770,192
Total Project Budget		\$ 5,064,012

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Cargo & Maintenance Facility Relocation- Runway 9C/27C

	Area:	1,455,250
Budget Component	Unit Cost	Total Cost
Construction Budget		
Runway 9C Related (Phase 2B)	135.68	\$ 197,449,370
Runway 10C Related	-	\$ -
Runway 10R Related	-	\$ -
North Acquisition Related	-	\$ -
South Acquisition Related	-	\$ -
General Conditions	17.64	\$ 25,668,420
Contractual Insurance	2.30	\$ 3,346,770
Performance and Payment Bond	1.56	\$ 2,264,650
Permits	0.16	\$ 228,730
Total Construction Budget	157.33	\$ 228,957,940
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (6%)	9.44	\$ 13,737,476
Program Management (1.5%)	2.36	\$ 3,434,369
Construction Management/ Field Supervision/ Testing & Inspection (5%)	7.87	\$ 11,447,897
Development Labor Costs. (0.5%)	0.79	\$ 1,144,790
Capitol Finance/Communications Labor Costs		Not Included
Airport Operations Factor (0.5%)	0.79	\$ 1,144,790
DOA Management (0%)	-	\$ -
Total Planning, Design Mgmt & Admin Budget	21.24	\$ 30,909,322
Project Contingencies		
Contingency (20% of Construction Budget)	31.47	\$ 45,791,588
Escalation		Not Included
Contingencies Total	31.47	\$ 45,791,588
Total Project Budget	210.04	\$ 305,658,850

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY**Project No:****Project Description: Runway 9C/27C & Associated Taxiways**

Budget Component	Unit Cost	Total Cost
Construction Budget		
Miscellaneous 9C/27C		
Relocation of VOR	\$	250,000
Demolition of Taxiways and Hold Pads	\$	2,876,000
Security and Related	\$	225,000
Earthwork	\$	27,434,000
General Drainage	\$	15,940,000
Special (Relocations)	\$	7,600,000
New Roadway and Related	\$	6,700,000
New Runway 9C/27C		
Runway Pavement and Shoulders	\$	38,371,000
Runway Blast Pads	\$	1,408,000
Runway Edge Lighting System	\$	2,437,000
Runway Centerline Lighting System	\$	1,693,000
Runway Touchdown Zone Lighting System	\$	1,770,000
Runway Home Run Electrical System (RW/TW inclusive)	\$	4,846,000
Runway Guidance Signs	\$	393,000
Runway NAVAIDS	\$	9,262,000
Runway Weather Sensor System	\$	400,000
New Taxiways 9C/27C		
Taxiway Pavement and Shoulders Group V	\$	9,042,000
Taxiway Edge Lighting System	\$	11,761,000
Taxiway Stop Bar / Guard Lighting Systems	\$	2,896,000
Taxiway Pavement and Shoulders Group VI	\$	88,656,000
Taxiway Guidance Signs	\$	2,276,000
Mobilization for 9C-27C, Misc. Runway and Taxiway (At 4%)	\$	9,449,440
Performance and Payment Bond	\$	2,456,850
Permits	\$	248,140
Total Construction Budget	\$	248,390,430

**Planning, Designing, CM & PM, Administration Budget
(Percentages calculated on construction budget)**

Design (6%)	\$	14,903,426
Program Management (1.5%)	\$	3,725,856
Construction Management/ Field Supervision/ Testing & Inspection (5%)	\$	12,419,522
Development Labor Costs (0.5%)	\$	1,241,952
Capital Finance /Communications Labor Costs	Not Included	
Airport Operations Factor (0.5%)	\$	1,241,952

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY**Project No:****Project Description: Runway 9C/27C & Associated Taxiways**

Budget Component	Unit Cost	Total Cost
DOA Management (0%)		\$ -
<i>Total Planning, Design Mgmt & Admin Budget</i>		\$ 33,532,708
Project Contingencies		
Contingency (10% of Construction Budget)		\$ 24,839,043
Escalation		Not Included
<i>Contingencies Total</i>		\$ 24,839,043
Total Project Budget		\$ 306,762,181

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Facilities Infrastructure - Runway 9C/27C

Area: 16,000,000

Budget Component	Unit Cost	Total Cost
Construction Budget		
Hazardous Remediation	-	\$ -
Infra/Site Demolition and JTOW	0.56	\$ 8,921,830
Infra/Site Shoring and Underpinning	0.02	\$ 250,000
Infra/Site Storm and Sanitary Drains	0.84	\$ 13,365,000
Infra/Site Water, Gas, Utilities	0.00	\$ 25,000
Infra/Site Power and Comm. Utilities	0.17	\$ 2,790,000
Infra/Site Lighting	-	\$ -
Infra/Site Earth Work	-	\$ -
Infra/Site Site Improvements	-	\$ -
Infra/Site Landscaping	-	\$ -
Infra/Site Paving and Surfacing	-	\$ -
Infra/Site Concrete	-	\$ -
Infra/Site Structural Precast Concrete	-	\$ -
Infra/Site Architectural Precast Concrete	-	\$ -
Infra/Site Masonry	-	\$ -
Infra/Site Stone	-	\$ -
Infra/Site Structural Metal Framing	-	\$ -
Infra/Site Miscellaneous Metal	-	\$ -
Infra/Site Misc.	0.10	\$ 1,600,000
Infra/Site Damproofing	-	\$ -
Miscellaneous Building Structures	-	\$ -
General Requirements	0.25	\$ 4,042,770
Contractual Insurance	0.03	\$ 464,920
Performance and Payment Bond	0.02	\$ 314,600
Permits	0.02	\$ 317,740
Total Construction Budget	2.01	\$ 32,091,860
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (6%)	0.12	\$ 1,925,512
Program Management (1.5%)	0.03	\$ 481,378
Construction Management/ Field Supervision/ Testing & Insp	0.10	\$ 1,604,593
Development Labor Costs. (0.5%)	0.01	\$ 160,459
Capitol Finance/Communications Labor Costs		Not Included
Airport Operations Factor (0.5%)	0.01	\$ 160,459
DOA Management (0%)	-	\$ -
Total Planning, Design Mgmt & Admin Budget	0.27	\$ 4,332,401

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Facilities Infrastructure - Runway 9C/27C

Area: 16,000,000

Budget Component	Unit Cost	Total Cost
Project Contingencies		
Contingency 30% of Construction Budget)	0.60	\$ 9,627,558
Escalation		Not Included
<i>Contingencies Total</i>	0.60	<u>\$ 9,627,558</u>
Total Project Budget	2.88	\$ 46,051,819

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY**Project No:****Project Description: Runway 9R/27L & Associated Taxiways**

Budget Component	Unit Cost	Total Cost
Construction Budget		
Miscellaneous 9R/27L		
Demilition Runways, Taxiways and Aprons	\$	45,000
Special Relocations	\$	50,000
Temporary Runway 14R NAVAIDS	\$	-
Earthwork	\$	20,427,000
General Drainage	\$	12,310,000
New Runway 9R/27L		
Runway Pavement and Shoulders	\$	9,895,000
Runway Blast Pads	\$	586,000
Runway Edge Lighting System	\$	1,139,000
Runway Centerline Lighting System	\$	755,000
Runway Touchdown Zone Lighting System	\$	1,008,000
Runway Home Run Electrical System (RW/TW inclusive)	\$	5,021,000
Runway Guidance Signs	\$	356,000
Runway NAVAIDS	\$	6,995,000
Runway Weather Sensor System	\$	94,000
New Taxiways 9R/27L		
Taxiway Pavement and Shoulders Group VI	\$	22,668,000
Taxiway Edge Lighting System	\$	2,585,000
Taxiway Stop Bar / Guard Lighting Systems	\$	1,143,000
Taxiway Guidance Signs	\$	557,000
Mobilization for 9R-27L, Misc. Runway and Taxiway (At 4%)	\$	3,425,360
Performance and Payment Bond	\$	890,590
Permits	\$	89,950
Total Construction Budget	\$	90,039,900
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (6%)	\$	5,402,394
Program Management (1.5%)	\$	1,350,599
Construction Management/ Field Supervision/ Testing & Inspection (5%)	\$	4,501,995
Development Labor Costs (0.5%)	\$	450,200
Capital Finance /Communications Labor Costs		Not Included
Airport Operations Factor (0.5%)	\$	450,200
DOA Management (0%)	\$	-
Total Planning, Design Mgmt & Admin Budget	\$	12,155,387

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY**Project No:****Project Description: Runway 9R/27L & Associated Taxiways**

Budget Component	Unit Cost	Total Cost
Project Contingencies		
Contingency (10% of Construction Budget)		\$ 9,003,990
Escalation		Not Included
<i>Contingencies Total</i>		<hr/> \$ 9,003,990
Total Project Budget		\$ 111,199,277

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Facilities Infrastructure - Runway 9R/27L

Area: 16,000,000

Budget Component	Unit Cost	Total Cost
Construction Budget		
Hazardous Remediation	-	\$ -
Infra/Site Demolition and JTOW	0.53	\$ 8,483,000
Infra/Site Shoring and Underpinning	0.02	\$ 250,000
Infra/Site Storm and Sanitary Drains	0.31	\$ 5,036,000
Infra/Site Water, Gas, Utilities	-	\$ -
Infra/Site Power and Comm. Utilities	0.20	\$ 3,257,500
Infra/Site Lighting	-	\$ -
Infra/Site Earth Work	-	\$ -
Infra/Site Site Improvements	-	\$ -
Infra/Site Landscaping	-	\$ -
Infra/Site Paving and Surfacing	-	\$ -
Infra/Site Concrete	-	\$ -
Infra/Site Structural Precast Concrete	-	\$ -
Infra/Site Architectural Precast Concrete	-	\$ -
Infra/Site Masonry	-	\$ -
Infra/Site Stone	-	\$ -
Infra/Site Structural Metal Framing	-	\$ -
Infra/Site Miscellaneous Metal	-	\$ -
Infra/Site Misc.	0.07	\$ 1,100,000
Infra/Site Damproofing	-	\$ -
Miscellaneous Building Structures	-	\$ -
General Requirements	0.17	\$ 2,718,980
Contractual Insurance	0.02	\$ 312,680
Performance and Payment Bond	0.01	\$ 211,580
Permits	0.01	\$ 213,700
Total Construction Budget	1.35	\$ 21,583,440
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (6%)	0.08	\$ 1,295,006
Program Management (1.5%)	0.02	\$ 323,752
Construction Management/ Field Supervision/ Testing & Inspe	0.07	\$ 1,079,172
Development Labor Costs. (0.5%)	0.01	\$ 107,917
Capitol Finance/Communications Labor Costs		Not Included
Airport Operations Factor (0.5%)	0.01	\$ 107,917
DOA Management (0%)	-	\$ -
Total Planning, Design Mgmt & Admin Budget	0.18	\$ 2,913,764

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Facilities Infrastructure - Runway 9R/27L

Area: 16,000,000

Budget Component	Unit Cost	Total Cost
Project Contingencies		
Contingency 30% of Construction Budget)	0.40	\$ 6,475,032
Escalation		Not Included
<i>Contingencies Total</i>	0.40	<u>\$ 6,475,032</u>
Total Project Budget	1.94	\$ 30,972,236

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:**Project Description: Decommissioning 18 - 36 and Associated Taxiways**

Budget Component	Unit Cost	Total Cost
Construction Budget		
New Taxiways 14R/32L		
Home Run Electrical System Runway/Taxiway	\$	101,000
Taxiway Edge Lighting System	\$	1,267,000
Taxiway Stop Bar / Guard Lighting Systems	\$	312,000
Taxiway Guidance Signs	\$	155,000
Striping	\$	7,000
Mobilization for 14R/32L, Misc. Pavement and Taxiway (At 4%)	\$	73,680
Performance and Payment Bond	\$	19,160
Permits	\$	1,930
Total Construction Budget	\$	1,936,770
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (6%)	\$	116,206
Program Management (1.5%)	\$	29,052
Construction Management/ Field Supervision/ Testing & Inspection (5%)	\$	96,839
Development Labor Costs (0.5%)	\$	9,684
Capital Finance /Communications Labor Costs		Not Included
Airport Operations Factor (0.5%)	\$	9,684
DOA Management (0%)	\$	-
Total Planning, Design Mgmt & Admin Budget	\$	261,464
Project Contingencies		
Contingency (10% of Construction Budget)	\$	193,677
Escalation		Not Included
Contingencies Total	\$	193,677
Total Project Budget	\$	2,391,911

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: New Pavement 14R/32L & Associated Taxiways

Budget Component	Unit Cost	Total Cost
Construction Budget		
Miscellaneous 14R/32L		
Earthwork	\$	3,860,000
New Pavement 14R/32L		
Apron Connector Pavement	\$	2,640,000
Runway Home Run Electrical System (RW/TW inclusive)	\$	1,065,000
New Taxiways 14R/32L		
Taxiway Pavement and Shoulders Group V	\$	16,241,000
Taxiway Edge Lighting System	\$	2,881,000
Taxiway Stop Bar / Guard Lighting Systems	\$	364,000
Taxiway Guidance Signs	\$	681,000
Striping	\$	9,000
Mobilization for 14R/32L, Misc. Pavement and Taxiway (At 4%)	\$	1,109,640
Performance and Payment Bond	\$	288,510
Permits	\$	29,140
Total Construction Budget	\$	29,168,290
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (6%)	\$	1,750,097
Program Management (1.5%)	\$	437,524
Construction Management/ Field Supervision/ Testing & Inspection (5%)	\$	1,458,415
Development Labor Costs (0.5%)	\$	145,841
Capital Finance /Communications Labor Costs		Not Included
Airport Operations Factor (0.5%)	\$	145,841
DOA Management (0%)	\$	-
Total Planning, Design Mgmt & Admin Budget	\$	3,937,719
Project Contingencies		
Contingency (10% of Construction Budget)	\$	2,916,829
Escalation		Not Included
Contingencies Total	\$	2,916,829
Total Project Budget	\$	36,022,838

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Facilities Infrastructure - Runway 14R/32L

Area: 16,000,000

Budget Component	Unit Cost	Total Cost
Construction Budget		
Hazardous Remediation	-	\$ -
Infra/Site Demolition and JTOW	0.65	\$ 10,455,670
Infra/Site Shoring and Underpinning	0.02	\$ 250,000
Infra/Site Storm and Sanitary Drains	1.00	\$ 15,930,000
Infra/Site Water, Gas, Utilities	0.52	\$ 8,299,500
Infra/Site Power and Comm. Utilities	0.49	\$ 7,786,200
Infra/Site Lighting	-	\$ -
Infra/Site Earth Work	-	\$ -
Infra/Site Site Improvements	-	\$ -
Infra/Site Landscaping	-	\$ -
Infra/Site Paving and Surfacing	-	\$ -
Infra/Site Concrete	-	\$ -
Infra/Site Structural Precast Concrete	-	\$ -
Infra/Site Architectural Precast Concrete	-	\$ -
Infra/Site Masonry	-	\$ -
Infra/Site Stone	-	\$ -
Infra/Site Structural Metal Framing	-	\$ -
Infra/Site Miscellaneous Metal	-	\$ -
Infra/Site Misc.	0.16	\$ 2,600,000
Infra/Site Damproofing	-	\$ -
Miscellaneous Building Structures	-	\$ -
General Requirements	0.42	\$ 6,798,210
Contractual Insurance	0.05	\$ 781,790
Performance and Payment Bond	0.03	\$ 529,010
Permits	0.03	\$ 534,300
Total Construction Budget	3.37	\$ 53,964,680
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (6%)	0.20	\$ 3,237,881
Program Management (1.5%)	0.05	\$ 809,470
Construction Management/ Field Supervision/ Testing & Inspe	0.17	\$ 2,698,234
Development Labor Costs. (0.5%)	0.02	\$ 269,823
Capitol Finance/Communications Labor Costs		Not Included
Airport Operations Factor (0.5%)	0.02	\$ 269,823
DOA Management (0%)	-	\$ -
Total Planning, Design Mgmt & Admin Budget	0.46	\$ 7,285,232

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Facilities Infrastructure - Runway 14R/32L

Area: 16,000,000

Budget Component	Unit Cost	Total Cost
Project Contingencies		
Contingency 30% of Construction Budget)	1.01	\$ 16,189,404
Escalation		Not Included
<i>Contingencies Total</i>	1.01	<u>\$ 16,189,404</u>
Total Project Budget	4.84	\$ 77,439,316

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY**Project No:****Project Description: Runway 10L/28R & Associated Taxiways**

Budget Component	Unit Cost	Total Cost
Construction Budget		
Miscellaneous 10L/28R		
Demilition Roadways	\$	-
Temporary Runway 9R Nav aids	\$	315,000
Security and Related	\$	1,590,000
Earthwork / Berms	\$	85,223,000
General Drainage	\$	17,710,000
New Runway 10L/28R		
Runway Pavement and Shoulders	\$	8,174,000
Runway Blast Pads	\$	586,000
Runway Edge Lighting System	\$	1,046,000
Runway Centerline Lighting System	\$	1,059,000
Runway Touchdown Zone Lighting System	\$	885,000
Runway Home Run Electrical System (RW/TW inclusive)	\$	3,487,000
Runway Guidance Signs	\$	255,000
Runway NAVAIDS	\$	4,945,000
Runway Weather Sensor System	\$	322,000
New Taxiways 10L / 28R		
Taxiway Pavement and Shoulders Group VI	\$	18,676,000
Taxiway Edge Lighting System	\$	1,920,000
Taxiway Stop Bar / Guard Lighting Systems	\$	2,068,000
Taxiway Guidance Signs	\$	306,000
Mobilization for 10L-28R, Misc. Runway and Taxiway (At 4%)	\$	5,942,680
Performance and Payment Bond	\$	1,545,100
Permits	\$	156,050
Total Construction Budget	\$	156,210,830
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (6%)	\$	9,372,650
Program Management (1.5%)	\$	2,343,162
Construction Management/ Field Supervision/ Testing & Inspection (5%)	\$	7,810,542
Development Labor Costs (0.5%)	\$	781,054
Capital Finance /Communications Labor Costs		Not Included
Airport Operations Factor (0.5%)	\$	781,054
DOA Management (0%)	\$	-
Total Planning, Design Mgmt & Admin Budget	\$	21,088,462

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY**Project No:****Project Description: Runway 10L/28R & Associated Taxiways**

Budget Component	Unit Cost	Total Cost
Project Contingencies		
Contingency (10% of Construction Budget)		\$ 15,621,083
Escalation		Not Included
<i>Contingencies Total</i>		<hr/> \$ 15,621,083
Total Project Budget		\$ 192,920,375

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Facilities Infrastructure - Runway 10L/28R

Area: 16,000,000

Budget Component	Unit Cost	Total Cost
Construction Budget		
Hazardous Remediation	-	\$ -
Infra/Site Demolition and JTOW	0.71	\$ 11,302,670
Infra/Site Shoring and Underpinning	0.02	\$ 250,000
Infra/Site Storm and Sanitary Drains	0.46	\$ 7,400,000
Infra/Site Water, Gas, Utilities	0.10	\$ 1,540,000
Infra/Site Power and Comm. Utilities	1.52	\$ 24,384,900
Infra/Site Lighting	-	\$ -
Infra/Site Earth Work	-	\$ -
Infra/Site Site Improvements	-	\$ -
Infra/Site Landscaping	-	\$ -
Infra/Site Paving and Surfacing	-	\$ -
Infra/Site Concrete	-	\$ -
Infra/Site Structural Precast Concrete	-	\$ -
Infra/Site Architectural Precast Concrete	-	\$ -
Infra/Site Masonry	-	\$ -
Infra/Site Stone	-	\$ -
Infra/Site Structural Metal Framing	-	\$ -
Infra/Site Miscellaneous Metal	-	\$ -
Infra/Site Misc.	0.17	\$ 2,750,000
Infra/Site Damproofing	-	\$ -
Miscellaneous Building Structures	-	\$ -
General Requirements	0.45	\$ 7,144,140
Contractual Insurance	0.05	\$ 821,580
Performance and Payment Bond	0.03	\$ 555,930
Permits	0.04	\$ 561,490
Total Construction Budget	3.54	\$ 56,710,710
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (6%)	0.21	\$ 3,402,643
Program Management (1.5%)	0.05	\$ 850,661
Construction Management/ Field Supervision/ Testing & Insp	0.18	\$ 2,835,536
Development Labor Costs. (0.5%)	0.02	\$ 283,554
Capitol Finance/Communications Labor Costs		Not Included
Airport Operations Factor (0.5%)	0.02	\$ 283,554
DOA Management (0%)	-	\$ -
Total Planning, Design Mgmt & Admin Budget	0.48	\$ 7,655,946

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Facilities Infrastructure - Runway 10L/28R

Area: 16,000,000

Budget Component	Unit Cost	Total Cost
Project Contingencies		
Contingency 30% of Construction Budget)	1.06	\$ 17,013,213
Escalation		Not Included
<i>Contingencies Total</i>	1.06	<u>\$ 17,013,213</u>
Total Project Budget	5.09	\$ 81,379,869

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Irving Park and York Road Construction

Budget Component	Unit Cost	Total Cost
Construction Budget		
Irving Park and York Road Construction	\$	33,228,000
Irving Park/ York Road Right of Way Cost	\$	9,190,000
Environmental	\$	128,340
Permits	\$	42,546
Total Construction Budget	\$	42,588,886
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (6%)	\$	2,555,333
Program Management (1.5%)	\$	638,833
Construction Management/Field Supervision/Testing & Inspection (5%)	\$	2,129,444
Development Labor Costs. (0.5%)	\$	212,944
Capitol Finance/Communications Labor Costs		Not Included
Airport Operations Factor (0%)	\$	-
DOA Management (0%)	\$	-
Total Planning, Design Mgmt & Admin Budget	\$	5,536,555
Project Contingencies		
Contingency (10% of Construction Budget)	\$	4,258,889
Escalation		Not included
Contingencies Total	\$	4,258,889
Total Project Budget	\$	52,384,330

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Railroad Relocation - Runway 10L/28R Related

Budget Component	Unit Cost	Total Cost
Construction Budget		
New Construction		
Earthwork	\$	18,480,415
Trackwork	\$	9,190,749
Structures	\$	67,557,000
Temporary Construction		
Two Track Shoofly at Green Street	\$	4,581,430
Two Track Shoofly at West Access CP	\$	1,654,430
Two Track Shoofly at West Access UP	\$	1,654,430
Two Track Shoofly at Irving Park CP	\$	2,154,430
Other		
Miscellaneous	\$	37,824
Railroad Cost	\$	7,616,000
Total Construction Budget	\$	112,926,707
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (6%)	\$	6,775,602
Program Management (1.5%)	\$	1,693,901
Construction Management/ Field Supervision/ Testing & Inspection (5%)	\$	5,646,335
Development Labor Costs. (0.5%)	\$	564,634
Capitol Finance/Communications Labor Costs		Not Included
Airport Operations Factor (0.5%)	\$	564,634
DOA Management (0%)	\$	-
Total Planning, Design Mgmt & Admin Budget	\$	15,245,105
Project Contingencies		
Contingency (30% of Construction Budget)	\$	33,878,012
Escalation		Not included
Contingencies Total	\$	33,878,012
Total Project Budget	\$	162,049,825

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Facility Demolition - South

Area:

Budget Component	Unit Cost	Total Cost
Construction Budget		
Non Hazardous Remediation	\$	-
Infra/Site Demolition and JTOW	\$	4,247,900
Infra/Site Shoring and Underpinning	\$	-
Infra/Site Storm and Sanitary Drains	\$	-
Infra/Site Water, Gas, Utilities	\$	-
Infra/Site Power and Comm. Utilities	\$	-
Infra/Site Lighting	\$	-
Infra/Site Earth Work	\$	-
Infra/Site Site Improvements	\$	-
Infra/Site Landscaping	\$	-
Infra/Site Paving and Surfacing	\$	-
Infra/Site Concrete	\$	-
Infra/Site Structural Precast Concrete	\$	-
Infra/Site Architectural Precast Concrete	\$	-
Infra/Site Masonry	\$	-
Infra/Site Stone	\$	-
Infra/Site Structural Metal Framing	\$	-
Infra/Site Miscellaneous Metal	\$	-
Infra/Site Misc.	\$	-
Infr/Site Damproofing	\$	-
Environmental	\$	424,790
General Conditions	\$	552,230
Contractual Insurance	\$	78,370
Performance and Payment Bond	\$	53,030
Permits	\$	5,360
Total Construction Budget	\$	5,361,680
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (4%)	\$	214,467
Program Management (1.5%)	\$	80,425
Construction Management/ Field Supervision/ Testing & Inspection (5%)	\$	268,084
Development Labor Costs. (0.5%)	\$	26,808
Capitol Finance/Communications Labor Costs		Not Included
Airport Operations Factor (0.5%)	\$	26,808
DOA Management (0%)	\$	-
Total Planning, Design Mgmt & Admin Budget	\$	616,593

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:
Project Description: Facility Demolition - South

Area:

Budget Component	Unit Cost	Total Cost
Project Contingencies		
Contingency (20% of Construction Budget)		\$ 1,072,336
Escalation		Not Included
<i>Contingencies Total</i>		<hr/> \$ 1,072,336
Total Project Budget		\$ 7,050,609

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Cargo & Maintenance Facility Relocation - Runway 10C/28C

Area: 1,455,250

Budget Component	Unit Cost	Total Cost
Construction Budget		
Runway 9C Related	-	\$ -
Runway 10C Related	101.36	\$ 147,510,660
Runway 10R Related	-	\$ -
North Acquisition Related	-	\$ -
South Acquisition Related	-	\$ -
General Conditions	13.18	\$ 19,176,390
Contractual Insurance	1.72	\$ 2,500,310
Performance and Payment Bond	1.16	\$ 1,691,870
Permits	0.12	\$ 170,880
Total Construction Budget	117.54	\$ 171,050,110
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (6%)	7.05	\$ 10,263,007
Program Management (1.5%)	1.76	\$ 2,565,752
Construction Management/ Field Supervision/ Testing & Inspection (5%)	5.88	\$ 8,552,506
Development Labor Costs. (0.5%)	0.59	\$ 855,251
Capitol Finance/Communications Labor Costs		Not Included
Airport Operations Factor (0.5%)	0.59	\$ 855,251
DOA Management (0%)	-	\$ -
Total Planning, Design Mgmt & Admin Budget	15.87	\$ 23,091,765
Project Contingencies		
Contingency (20% of Construction Budget)	23.51	\$ 34,210,022
Escalation		Not Included
Contingencies Total	23.51	\$ 34,210,022
Total Project Budget	156.92	\$ 228,351,897

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:**Project Description: Runway 10C/28C & Associated Taxiways**

Budget Component	Unit Cost	Total Cost
Construction Budget		
Miscellaneous 10C/28C		
Demilition Taxiways and Hold Pads	\$	1,429,000
Temporary Runway 32L NAVAIDS	\$	315,000
Temporary Access Roads	\$	1,100,000
Security and Related	\$	965,000
New Lake O'Hare	\$	124,430,000
New West Terminal Pond	\$	22,680,000
Earthwork	\$	96,046,000
General Drainage	\$	19,540,000
Special	\$	13,000,000
New Roadways and Related	\$	22,325,000
New Runway 10C/28C		
Runway Pavement and Shoulders	\$	37,435,000
Runway Blast Pads	\$	1,408,000
Runway Edge Lighting System	\$	2,418,000
Runway Centerline Lighting System	\$	1,924,000
Runway Touchdown Zone Lighting System	\$	1,770,000
Runway Home Run Electrical System (RW/TW inclusive)	\$	3,155,000
Runway Guidance Signs	\$	366,000
Runway NAVAIDS	\$	8,872,000
Runway Weather Sensor System	\$	151,000
New Taxiways 10C/28C		
Taxiway Pavement and Shoulders Group VI	\$	117,814,000
Taxiway Edge Lighting System	\$	11,950,000
Taxiway Stop Bar / Guard Lighting Systems	\$	2,983,000
Taxiway Guidance Signs	\$	1,818,000
Mobilization for 10C/28C, Misc. Runway and Taxiway (At 4%)	\$	19,755,760
Performance and Payment Bond	\$	5,136,500
Permits	\$	518,790
Total Construction Budget	\$	519,305,050
Planning, Designing, CM & PM, Administration Budget		
(Percentages calculated on construction budget)		
Design (6%)	\$	31,158,303
Program Management (1.5%)	\$	7,789,576
Construction Management/ Field Supervision/ Testing & Inspection (5%)	\$	25,965,253
Development Labor Costs (0.5%)	\$	2,596,525

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY**Project No:****Project Description: Runway 10C/28C & Associated Taxiways**

Budget Component	Unit Cost	Total Cost
Capital Finance /Communications Labor Costs		Not Included
Airport Operations Factor (0.5%)		\$ 2,596,525
DOA Management (0%)		\$ -
<i>Total Planning, Design Mgmt & Admin Budget</i>		\$ 70,106,182
Project Contingencies		
Contingency (10% of Construction Budget)		\$ 51,930,505
Escalation		Not Included
<i>Contingencies Total</i>		\$ 51,930,505
Total Project Budget		\$ 641,341,737

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY**Project No:****Project Description: Airfield Lighting Vault (South)**

Budget Component	Unit Cost	Total Cost
Construction Budget		
New Runway 10L/28R Related	\$	15,000,000
Demolition South Airfield Lighting Vault (10C/28C Related)	\$	200,000
Mobilization for ALV (South at 4%)	\$	608,000
Performance and Payment Bond	\$	158,080
Permits	\$	15,970
<i>Total Construction Budget</i>	\$	15,982,050
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (8.5%)	\$	1,358,474
Program Management (1.5%)	\$	239,731
Construction Management/ Field Supervision/ Testing & Inspection (5%)	\$	799,103
Development Labor Costs (0.5%)	\$	79,910
Capital Finance /Communications Labor Costs		Not Included
Airport Operations Factor (0.5%)	\$	79,910
DOA Management (0%)	\$	-
<i>Total Planning, Design Mgmt & Admin Budget</i>	\$	2,557,128
Project Contingencies		
Contingency (15% of Construction Budget)	\$	2,397,308
Escalation		Not Included
<i>Contingencies Total</i>	\$	2,397,308
Total Project Budget	\$	20,936,486

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY**Project No:****Project Description: Crash Fire Rescue Station (CFR#2) Relocation- Runway 10C/28C**

Budget Component	Unit Cost	Total Cost
Construction Budget		
New Runway 10C/28C Related	\$	5,000,000
Mobilization for CFR #2 (At 4%)	\$	200,000
Performance and Payment Bond	\$	52,000
Permits	\$	5,250
<i>Total Construction Budget</i>	\$	5,257,250
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (8.5%)	\$	446,866
Program Management (1.5%)	\$	78,859
Construction Management/ field Supervision/ Testing and Inspection (5%)	\$	262,863
Development Labor Costs. (0.5%)	\$	26,286
Capitol Finance/Communications Labor Costs		Not Included
Airport Operations Factor (0.5%)	\$	26,286
DOA Management (0%)	\$	-
<i>Total Planning, Design Mgmt & Admin Budget</i>	\$	841,160
Project Contingencies		
Contingency (30% of Construction Budget)	\$	1,577,175
Escalation		Not Included
<i>Contingencies Total</i>	\$	1,577,175
Total Project Budget	\$	7,675,585

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Facilities Infrastructure - Runway 10C/28C

Area: 16,000,000

Budget Component	Unit Cost	Total Cost
Construction Budget		
Hazardous Remediation	-	\$ -
Infrs/Site Demolition and JTOW	0.54	\$ 8,704,660
Infra/Site Shoring and Underpinning	0.02	\$ 250,000
Infra/Site Storm and Sanitary Drains	0.43	\$ 6,910,000
Infra/Site Water, Gas, Utilities	0.07	\$ 1,075,000
Infra/Site Power and Comm. Utilities	1.06	\$ 16,993,260
Infra/Site Lighting	-	\$ -
Infra/Site Earth Work	-	\$ -
Infra/Site Site Improvements	-	\$ -
Infra/Site Landscaping	-	\$ -
Infra/Site Paving and Surfacing	-	\$ -
Infra/Site Concrete	-	\$ -
Infra/Site Structural Precast Concrete	-	\$ -
Infra/Site Architectural Precast Concrete	-	\$ -
Infra/Site Masonry	-	\$ -
Infra/Site Stone	-	\$ -
Infra/Site Structural Metal Framing	-	\$ -
Infra/Site Miscellaneous Metal	-	\$ -
Infra/Site Misc.	0.13	\$ 2,100,000
Infr/Site Damproofing	-	\$ -
Miscellaneous Building Structures	-	\$ -
General Requirements	0.34	\$ 5,404,940
Contractual Insurance	0.04	\$ 621,570
Performance and Payment Bond	0.03	\$ 420,590
Permits	0.03	\$ 424,800
Total Construction Budget	2.68	\$ 42,904,820
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (6%)	0.16	\$ 2,574,289
Program Management (1.5%)	0.04	\$ 643,572
Construction Management/ Field Supervision/ Testing & Inspc	0.13	\$ 2,145,241
Development Labor Costs. (0.5%)	0.01	\$ 214,524
Capitol Finance/Communications Labor Costs		Not Included
Airport Operations Factor (0.5%)	0.01	\$ 214,524
DOA Management (0%)	-	\$ -
Total Planning, Design Mgmt & Admin Budget	0.36	\$ 5,792,151

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Facilities Infrastructure - Runway 10R/28L

Area:

Budget Component	Unit Cost	Total Cost
Project Contingencies		
Contingency 30% of Construction Budget)		\$ 25,610,235
Escalation		Not Included
<i>Contingencies Total</i>		<hr/> \$ 25,610,235
Total Project Budget		\$ 122,502,291

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY**Project No:****Project Description: Runway 10R/28L & Associated Taxiways**

Budget Component	Unit Cost	Total Cost
Construction Budget		
Miscellaneous 10R/28L		
Demolition of Taxiways and Hold Pads	\$	124,000
Security and Related	\$	2,547,000
Earthwork	\$	47,284,000
General Drainage	\$	12,290,000
New Roadway and Related	\$	31,575,000
New Runway 10R/28L		
Runway Pavement and Shoulders	\$	20,868,000
Runway Blast Pads	\$	1,173,000
Runway Edge Lighting System	\$	1,664,000
Runway Centerline Lighting System	\$	1,417,000
Runway Touchdown Zone Lighting System	\$	1,770,000
Runway Home Run Electrical System (RW/TW inclusive)	\$	2,724,000
Runway Guidance Signs	\$	169,000
Runway NAVAIDS	\$	8,750,000
Runway Weather Sensor System	\$	427,000
New Taxiways 10R/28L		
Taxiway Pavement and Shoulders Group V	\$	40,015,000
Taxiway Edge Lighting System	\$	4,298,000
Taxiway Stop Bar / Guard Lighting Systems	\$	1,390,000
Taxiway Guidance Signs	\$	304,000
Mobilization for 10R/28L, Misc. Runway and Taxiway (At 4%)	\$	7,151,560
Performance and Payment Bond	\$	1,859,410
Permits	\$	187,800
Total Construction Budget	\$	187,987,770
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (6%)	\$	11,279,266
Program Management (1.5%)	\$	2,819,817
Construction Management/ Field Supervision/ Testing & Inspection (5%)	\$	9,399,389
Development Labor Costs (0.5%)	\$	939,939
Capital Finance /Communications Labor Costs		Not Included
Airport Operations Factor (0.5%)	\$	939,939
DOA Management (0%)	\$	-
Total Planning, Design Mgmt & Admin Budget	\$	25,378,349

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY**Project No:****Project Description: Runway 10R/28L & Associated Taxiways**

Budget Component	Unit Cost	Total Cost
Project Contingencies		
Contingency (10% of Construction Budget)		\$ 18,798,777
Escalation		Not Included
<i>Contingencies Total</i>		<hr/> \$ 18,798,777
Total Project Budget		\$ 232,164,896

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY**Project No:****Project Description: ATCT and Utilities - Runway 10R/28L**

Budget Component	Unit Cost	Total Cost
Construction Budget		
New Runway 10R/28L Related	\$	15,000,000
Mobilization for ATCT (At 4%)	\$	600,000
Performance and Payment Bond	\$	156,000
Permits	\$	15,760
<i>Total Construction Budget</i>	\$	15,771,760
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (8.5%)	\$	1,340,600
Program Management (1.5%)	\$	236,576
Construction Management/ Field Supervision/ Testing & Inspection (5%)	\$	788,588
Development Labor Costs (0.5%)	\$	78,859
Capital Finance /Communications Labor Costs		Not Included
Airport Operations Factor (0.5%)	\$	78,859
DOA Management (0%)	\$	-
Total Planning, Design Mgmt & Admin Budget	\$	2,523,482
Project Contingencies		
Contingency (20% of Construction Budget)	\$	3,154,352
Escalation		Not Included
<i>Contingencies Total</i>	\$	3,154,352
Total Project Budget	\$	21,449,594

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Facilities Infrastructure - Runway 10R/28L

Area:

Budget Component	Unit Cost	Total Cost
Construction Budget		
Hazardous Remediation	\$	-
Infra/Site Demolition and JTOW	\$	8,887,500
Infra/Site Shoring and Underpinning	\$	250,000
Infra/Site Storm and Sanitary Drains	\$	9,476,000
Infra/Site Water, Gas, Utilities	\$	11,495,000
Infra/Site Power and Comm. Utilities	\$	37,485,980
Infra/Site Lighting	\$	-
Infra/Site Earth Work	\$	-
Infra/Site Site Improvements	\$	-
Infra/Site Landscaping	\$	-
Infra/Site Paving and Surfacing	\$	-
Infra/Site Concrete	\$	-
Infra/Site Structural Precast Concrete	\$	-
Infra/Site Architectural Precast Concrete	\$	-
Infra/Site Masonry	\$	-
Infra/Site Stone	\$	-
Infra/Site Structural Metal Framing	\$	-
Infra/Site Miscellaneous Metal	\$	-
Infra/Site Misc.	\$	4,100,000
Infra/Site Damproofing	\$	-
Miscellaneous Building Structures	\$	-
General Requirements	\$	10,754,170
Contractual Insurance	\$	1,236,730
Performance and Payment Bond	\$	836,850
Permits	\$	845,220
Total Construction Budget	\$	85,367,450
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (6%)	\$	5,122,047
Program Management (1.5%)	\$	1,280,512
Construction Management/ Field Supervision/ Testing & Inspection (5%)	\$	4,268,373
Development Labor Costs. (0.5%)	\$	426,837
Capitol Finance/Communications Labor Costs		Not Included
Airport Operations Factor (0.5%)	\$	426,837
DOA Management (0%)	\$	-
Total Planning, Design Mgmt & Admin Budget	\$	11,524,606

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Facilities Infrastructure - Runway 10R/28L

Area:

Budget Component	Unit Cost	Total Cost
Project Contingencies		
Contingency 30% of Construction Budget)		\$ 25,610,235
Escalation		Not Included
<i>Contingencies Total</i>		<hr/> \$ 25,610,235
Total Project Budget		\$ 122,502,291

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:**Project Description: Western Terminal Complex Concourse and Apron**

Budget Component	Unit Cost	Total Cost
Construction Budget		
Miscellaneous Phase 1 West Satellite		
Demolition Taxiways and Hold Pads	\$	43,000
Drainage Systems	\$	28,606,000
New Roadways and Related	\$	55,228,000
Security and Related	\$	647,000
Earthwork	\$	17,206,000
New Pavement Phase 1 West Satellite		
Apron Pavement Section	\$	52,836,000
Taxiway Pavement and Shoulders Group V	\$	1,701,000
Taxiway Edge Lighting System	\$	665,000
Taxiway Guidance Signs	\$	63,000
Taxiway Pavement and Shoulders Group VI	\$	7,187,000
Runway NAVAIDS	\$	1,000,000
Mobilization for Phase 1 West Satellite (At 4%)	\$	6,607,280
Performance and Payment Bond	\$	1,717,890
Permits	\$	173,510
Total Construction Budget		\$ 173,680,680
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (6%)	\$	10,420,841
Program Management (1.5%)	\$	2,605,210
Construction Management/ Field Supervision/ Testing & Inspection (5%)	\$	8,684,034
Development Labor Costs (0.5%)	\$	868,403
Capital Finance /Communications Labor Costs		Not Included
Airport Operations Factor (0%)	\$	-
DOA Management (0%)	\$	-
Total Planning, Design Mgmt & Admin Budget		\$ 22,578,488
Project Contingencies		
Contingency (10% of Construction Budget)	\$	17,368,068
Escalation		Not Included
Contingencies Total		\$ 17,368,068
Total Project Budget		\$ 213,627,236

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY**Project No:****Project Description: Fuel Farm Expansion**

Budget Component	Unit Cost	Total Cost
Construction Budget		
New Runway 10L/28R Related	\$	36,100,000
Mobilization for ALV (South at 4%)	\$	1,444,000
Performance and Payment Bond	\$	375,440
Permits	\$	37,920
<i>Total Construction Budget</i>	\$	37,957,360
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (8.5%)	\$	3,226,376
Program Management (1.5%)	\$	569,360
Construction Management/ Field Supervision/ Testing & Inspection (5%)	\$	1,897,868
Development Labor Costs (0.5%)	\$	189,787
Capital Finance /Communications Labor Costs		Not Included
Airport Operations Factor (0.5%)	\$	189,787
DOA Management (0%)	\$	-
<i>Total Planning, Design Mgmt & Admin Budget</i>	\$	6,073,178
Project Contingencies		
Contingency (15% of Construction Budget)	\$	5,693,604
Escalation		Not Included
<i>Contingencies Total</i>	\$	5,693,604
Total Project Budget	\$	49,724,142

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:
Project Description: Hydrant System

Budget Component	Unit Cost	Total Cost
Construction Budget		
New Runway 10L/28R Related	\$	8,800,000
Mobilization for Hydrant System (at 4%)	\$	352,000
Performance and Payment Bond	\$	91,520
Permits	\$	9,240
<i>Total Construction Budget</i>	\$	9,252,760
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (6%)	\$	555,166
Program Management (1.5%)	\$	138,791
Construction Management/ Field Supervision/ Testing & Inspection (5%)	\$	462,638
Development Labor Costs (0.5%)	\$	46,264
Capital Finance /Communications Labor Costs		Not Included
Airport Operations Factor (0.5%)	\$	46,264
DOA Management (0%)	\$	-
<i>Total Planning, Design Mgmt & Admin Budget</i>	\$	1,249,123
Project Contingencies		
Contingency (30% of Construction Budget)	\$	2,775,828
Escalation		Not Included
<i>Contingencies Total</i>	\$	2,775,828
Total Project Budget	\$	13,277,711

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Facilities Infrastructure - Western Terminal Complex Concourse

Area:

Budget Component	Unit Cost	Total Cost
Construction Budget		
Hazardous Remediation		\$ -
Infrs/Site Demolition and JTOW		\$ 4,430,080
Infra/Site Shoring and Underpinning		\$ 250,000
Infra/Site Storm and Sanitary Drains		\$ 2,802,000
Infra/Site Water, Gas, Utilities		\$ 2,822,000
Infra/Site Power and Comm. Utilities		\$ 1,938,260
Infra/Site Lighting		\$ -
Infra/Site Earth Work		\$ -
Infra/Site Site Improvements		\$ -
Infra/Site Landscaping		\$ -
Infra/Site Paving and Surfacing		\$ -
Infra/Site Concrete		\$ -
Infra/Site Structural Precast Concrete		\$ -
Infra/Site Architectural Precast Concrete		\$ -
Infra/Site Masonry		\$ -
Infra/Site Stone		\$ -
Infra/Site Structural Metal Framing		\$ -
Infra/Site Miscellaneous Metal		\$ -
Infra/Site Misc.		\$ 800,000
Infr/Site Damproofing		\$ -
Miscellaneous Building Structures		\$ -
General Requirements		\$ 1,956,350
Contractual Insurance		\$ 224,980
Performance and Payment Bond		\$ 152,240
Permits		\$ 153,760
Total Construction Budget		\$ 15,529,670
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (6%)		\$ 931,780
Program Management (1.5%)		\$ 232,945
Construction Management/ Field Supervision/ Testing & Inspection (5%)		\$ 776,484
Development Labor Costs. (0.5%)		\$ 77,648
Capitol Finance/Communications Labor Costs		Not Included
Airport Operations Factor (0.5%)		\$ 77,648
DOA Management (0%)		\$ -
Total Planning, Design Mgmt & Admin Budget		\$ 2,096,505

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Facilities Infrastructure - Western Terminal Complex Concourse

Area:

Budget Component	Unit Cost	Total Cost
Project Contingencies		
Contingency 30% of Construction Budget)		\$ 4,658,901
Escalation		Not Included
<i>Contingencies Total</i>		<hr/> \$ 4,658,901
Total Project Budget	#DIV/0!	\$ 22,285,076

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:
Project Description: Narrow Body Concourse

Budget Component	Area: 601,400	
	Gates: 45	
	Unit Cost	Total Cost
Construction Budget		
Non Hazardous Remediation		\$ -
Building Site Work	3.93	\$ 2,365,000
Excavation & Foundation	28.08	\$ 16,885,100
Environmental	0.53	\$ 319,500
Structural Frame	51.48	\$ 30,960,730
Roofing	12.74	\$ 7,660,000
Skylights	1.66	\$ 1,000,000
Exterior Wall	43.12	\$ 25,932,000
Interior Work	40.71	\$ 24,483,950
Special Requirements	4.03	\$ 2,421,700
Equipment	27.90	\$ 16,778,710
Furnishings	5.09	\$ 3,060,000
Vertical Transportation	31.43	\$ 18,900,000
Fire Protection	4.50	\$ 2,706,300
Plumbing	7.00	\$ 4,209,800
HVAC - Piping	-	\$ -
HVAC - Ventilation	48.00	\$ 28,867,200
HVAC - Controls	-	\$ -
Electrical	44.00	\$ 26,461,600
General Requirements	46.05	\$ 27,691,510
Contractual Insurance	6.00	\$ 3,610,550
Performance and Payment Bond	4.06	\$ 2,443,140
Permits	0.41	\$ 246,760
Total Construction Budget	410.71	\$ 247,003,550
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (8.5%)	34.91	\$ 20,995,302
Program Management (1.5%)	6.16	\$ 3,705,053
Construction Management/ Field Supervision/ Testing & Inspection (5%)	16.43	\$ 9,880,142
Development Labor Costs. (0.5%)	8.21	\$ 4,940,071
Capitol Finance/Communications Labor Costs		Not Included
Airport Operations Factor (0%)	-	\$ -
DOA Management (0%)	-	\$ -
Total Planning, Design Mgmt & Admin Budget	65.71	\$ 39,520,568
Project Contingencies		
Design Contingency (15% of Construction Budget)	61.61	\$ 37,050,533
Escalation		Not Included
Contingencies Total	61.61	\$ 37,050,533
Total Project Budget	538.04	\$ 323,574,651

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Passenger Loading Bridges - Concourse

Budget Component	Gates: 45	
	Unit Cost	Total Cost
Construction Budget		
Passenger Loading Bridges	\$	22,300,000
General Requirements	\$	2,899,000
Contractual Insurance	\$	377,990
Performance and Payment Bond	\$	255,770
Permits	\$	25,830
Total Construction Budget	\$	<u>25,858,590</u>
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (4%)	\$	1,034,344
Program Management (1.5%)	\$	387,879
Construction Management/ Field Supervision/ Testing & Inspection (5%)	\$	1,034,344
Development Labor Costs. (0.5%)	\$	517,172
Capitol Finance/Communications Labor Costs		Not Included
Airport Operations Factor (0%)	\$	-
DOA Management (0%)	\$	-
Total Planning, Design Mgmt & Admin Budget	\$	<u>2,973,738</u>
Project Contingencies		
Design Contingency (15% of Construction Budget)	\$	3,878,789
Escalation		Not Included
Contingencies Total	\$	<u>3,878,789</u>
Total Project Budget	\$	32,711,116

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Energy Facility for Terminal/Concourse

Area: 60,350

Budget Component	Unit Cost	Total Cost
Construction Budget		
Non Hazardous Remediation		\$ -
Building Site Work	22.56	\$ 1,361,500
Excavation & Foundation	284.71	\$ 17,182,000
Environmental	2.00	\$ 120,700
Structural Frame	30.00	\$ 1,810,500
Roofing	7.50	\$ 452,630
Skylights	0.33	\$ 20,000
Exterior Wall	18.82	\$ 1,136,000
Interior Work	6.00	\$ 362,100
Special Requirements	2.00	\$ 120,700
Equipment	1.50	\$ 90,530
Furnishings	0.25	\$ 15,000
Vertical Transportation	4.14	\$ 250,000
Fire Protection	5.00	\$ 301,750
Plumbing	2.50	\$ 150,880
HVAC - Piping	185.29	\$ 11,182,500
HVAC - Ventilation	10.00	\$ 603,500
HVAC - Controls	20.00	\$ 1,207,000
Electrical	66.28	\$ 4,000,000
General Requirements	86.96	\$ 5,247,750
Contractual Insurance	11.34	\$ 684,230
Performance and Payment Bond	7.67	\$ 462,990
Permits	0.77	\$ 46,760
Total Construction Budget	775.63	\$ 46,809,020
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (8.5%)	65.93	\$ 3,978,767
Program Management (1.5%)	11.63	\$ 702,135
Construction Management/ Field Supervision/ Testing & Inspection (5%)	38.78	\$ 2,340,451
Development Labor Costs. (0.5%)	3.88	\$ 234,045
Capitol Finance/Communications Labor Costs		Not Included
Airport Operations Factor (0%)	-	\$ -
DOA Management (0%)	-	\$ -
Total Planning, Design Mgmt & Admin Budget	120.22	\$ 7,255,398
Project Contingencies		
Contingency (15% of Construction Budget)	116.34	\$ 7,021,353
Escalation		Not Included
Contingencies Total	116.34	\$ 7,021,353

Total Project Budget

1,012.19 \$ 61,085,771

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY**Project No:****Project Description: Western Terminal Complex - Terminal and Apron**

Budget Component	Unit Cost	Total Cost
Construction Budget		
Miscellaneous Phase 2 West Terminal		
Demolition of Taxiways	\$	71,000
General Drainage	\$	11,036,000
Earthwork	\$	1,754,000
New Roadway and Related	\$	-
New Pavement Phase 2 West Terminal		
Apron Pavement Section	\$	63,918,000
Taxiway Pavement and Shoulders Group V	\$	10,937,000
Taxiway Edge Lighting System	\$	1,414,000
Home Run Electrical System	\$	90,000
Taxiway Guidance Signs	\$	844,000
Mobilization for Phase 2 West Terminal, Misc. and Pavement (At 4%)	\$	3,602,560
Performance and Payment Bond	\$	936,670
Permits	\$	94,600
Total Construction Budget	\$	94,697,830
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (6%)	\$	5,681,870
Program Management (1.5%)	\$	1,420,467
Construction Management/ Field Supervision/ Testing & Inspection (5%)	\$	4,734,892
Development Labor Costs (0.5%)	\$	473,489
Capital Finance /Communications Labor Costs		Not Included
Airport Operations Factor (0%)	\$	-
DOA Management (0%)	\$	-
Total Planning, Design Mgmt & Admin Budget	\$	12,310,718
Project Contingencies		
Contingency (10% of Construction Budget)	\$	9,469,783
Escalation		Not Included
Contingencies Total	\$	9,469,783
Total Project Budget	\$	116,478,331

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Facilities Infrastructure - Western Terminal Complex - Terminal

Budget Component	Unit Cost	Total Cost
Project Contingencies		
Contingency 30% of Construction Budget)		\$ 7,203,552
Escalation		Not Included
<i>Contingencies Total</i>		<hr/> \$ 7,203,552
Total Project Budget	#DIV/0!	\$ 34,456,990

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Terminal/Wide Body Concourse

Area: 918,000
 Gates: 15

Budget Component	Unit Cost	Total Cost
Construction Budget		
Non Hazardous Remediation		\$ -
Building Site Work	6.12	\$ 5,617,000
Excavation & Foundation	46.14	\$ 42,358,300
Environmental	0.70	\$ 642,000
Structural Frame	48.52	\$ 44,538,000
Roofing	13.26	\$ 12,172,000
Skylights	1.63	\$ 1,500,000
Exterior Wall	46.32	\$ 42,525,000
Interior Work	42.88	\$ 39,366,500
Special Requirements	4.01	\$ 3,685,400
Equipment	23.95	\$ 21,985,700
Furnishings	26.19	\$ 24,040,000
Vertical Transportation	12.04	\$ 11,050,000
Fire Protection	4.50	\$ 4,131,000
Plumbing	7.00	\$ 6,426,000
HVAC - Piping	-	\$ -
HVAC - Ventilation	48.00	\$ 44,064,000
HVAC - Controls	-	\$ -
Electrical	44.00	\$ 40,392,000
General Requirements	48.78	\$ 44,784,080
Contractual Insurance	6.36	\$ 5,839,150
Performance and Payment Bond	4.30	\$ 3,951,160
Permits	0.43	\$ 399,070
Total Construction Budget	435.15	\$ 399,466,360
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (8.5%)	36.99	\$ 33,954,641
Program Management (1.5%)	6.53	\$ 5,991,995
Construction Management/ Field Supervision/ Testing & Inspection (5%)	21.76	\$ 19,973,318
Development Labor Cost (0.5%)	2.18	\$ 1,997,332
Capitol Finance/ Communications Labor Costs		Not Included
Airport Operations Factor (0%)	-	\$ -
DOA Management (0%)	-	\$ -
Total Planning, Design Mgmt & Admin Budget	67.45	\$ 61,917,286

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Terminal/Wide Body Concourse

Project Contingencies

Contingency (15% of Construction Budget)

65.27

\$

59,919,954

Escalation

Not Included

Contingencies Total

65.27

\$

59,919,954

Total Project Budget**567.87****\$****521,303,600**

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Baggage Handling System

Area: 32,000 sq ft

Budget Component	Unit Cost	Total Cost
Construction Budget		
Baggage Handling System		\$ 66,490,000
General Requirements	270.12	\$ 8,643,700
Contractual Insurance	35.22	\$ 1,127,010
Performance and Payment Bond	23.83	\$ 762,610
Permits	2.41	\$ 77,020
Total Construction Budget	2,409.39	\$ 77,100,340
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (8.5%)	204.80	\$ 6,553,529
Program Management (1.5%)	36.14	\$ 1,156,505
Construction Management/ Field Supervision/Testing & Inspection (5%)	120.47	\$ 3,855,017
Development Labor Costs. (0.5%)	12.05	\$ 385,502
Capitol Finance/Communications Labor Costs		Not Included
Airport Operations Factor (0.%)	-	\$ -
DOA Management (0%)	-	\$ -
Total Planning, Design Mgmt & Admin Budget	373.45	\$ 11,950,553
Project Contingencies		
Contingency (30% of Construction Budget)	361.41	\$ 11,565,051
Escalation		Not Included
Contingencies Total	361.41	\$ 11,565,051
Total Project Budget	3,144.25	\$ 100,615,944

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Wide Body Terminal T-7 Jet Bridges

Budget Component	Gates:	15
	Unit Cost	Total Cost
Construction Budget		
Passenger Loading Bridges	\$	7,500,000
General Requirements	\$	975,000
Contractual Insurance	\$	127,130
Performance and Payment Bond	\$	86,020
Permits	\$	8,690
Total Construction Budget	\$	8,696,840
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (4%)	\$	347,874
Program Management (1.5%)	\$	130,453
Construction Management/ Field Supervision/ Testing & Inspection (5%)	\$	434,842
Development Labor Cost (0.5%)	\$	43,484
Capitol Finance/ Communications Labor Costs		Not Included
Airport Operations Factor (0%)	\$	-
DOA Management (0%)	\$	-
Total Planning, Design Mgmt & Admin Budget	\$	956,652
Project Contingencies		
Contingency (15% of Construction Budget)	\$	1,304,526
Escalation		Not Included
Contingencies Total	\$	1,304,526
Total Project Budget	\$	10,958,018

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Parking Garage

Area: 1,334,000
Cars: 3,810

Budget Component	Unit Cost		Total Cost
Construction Budget			
Non Hazardous Remediation		\$	-
Building Site Work	1.00	\$	1,338,000
Excavation & Foundation	9.72	\$	12,963,550
Environmental	0.30	\$	405,500
Structural Frame	19.00	\$	25,352,340
Roofing	0.22	\$	290,200
Skylights	-	\$	-
Exterior Wall	3.26	\$	4,343,760
Interior Work	2.01	\$	2,682,680
Special Requirements	0.52	\$	687,500
Equipment	1.96	\$	2,621,000
Furnishings	0.01	\$	15,000
Vertical Transportation	2.81	\$	3,750,000
Fire Protection	0.14	\$	190,000
Plumbing	0.50	\$	667,000
HVAC - Piping	-	\$	-
HVAC - Ventilation	0.15	\$	200,100
HVAC - Controls	-	\$	-
Electrical	3.25	\$	4,335,500
Bridge and/or Tunnel - Garage to Terminal	5.10	\$	6,800,000
General Requirements	5.83	\$	7,779,480
Contractual Insurance	0.84	\$	1,116,320
Performance and Payment Bond	0.57	\$	755,380
Permits	0.06	\$	76,290
Total Construction Budget	57.25	\$	76,369,600
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)			
Design (8.5%)	4.87	\$	6,491,420
Program Management (1.5%)	0.86	\$	1,145,540
Construction Management/Field Supervision/Testing & Inspection (5%)	2.86	\$	3,818,480
Development Labor Costs. (0.5%)	0.29	\$	381,850
Capitol Finance/Communications Labor Costs		Not Included	
Airport Operations Factor (0%)	-	\$	-
DOA Management (0%)	-	\$	-
Total Planning, Design Mgmt & Admin Budget	8.87	\$	11,837,290

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:
 Project Description: Parking Garage

Area: 1,334,000
 Cars: 3,810

Budget Component	Unit Cost	Total Cost
Project Contingencies		
Contingency (15% of Construction Budget)	8.59	\$ 11,455,440
Escalation		Not Included
<i>Contingencies Total</i>	8.59	<u>\$ 11,455,440</u>
Total Project Budget	74.71	\$ 99,662,330

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: Surface Parking For 3190 vehicles

Budget Component	Unit Cost	Total Cost
Construction Budget		
Surface Parking For 3190 vehicles	\$	8,200,300
General Requirements	\$	1,066,040
Contractural Insurance	\$	139,000
Performance and Payment Bond	\$	94,050
Permits	\$	9,499
Total Construction Budget	\$	9,508,889
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (6%)	\$	570,533
Program Management (1.5%)	\$	142,633
Construction Management/Field Supervision/Testing & Inspection (5%)	\$	475,444
Development Labor Costs. (0.5%)	\$	47,544
Capitol Finance/Communications Labor Costs		Not Included
Airport Operations Factor (0%)	\$	-
DOA Management (0%)	\$	-
Total Planning, Design Mgmt & Admin Budget	\$	1,236,156
Project Contingencies		
Contingency (10% of Construction Budget)	\$	950,889
Escalation		Not included
Contingencies Total	\$	950,889
Total Project Budget	\$	11,695,934

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: West Terminal Access Roads and Bridges

Budget Component	Unit Cost	Total Cost
Construction Budget		
West Terminal Access Construction		\$ 38,664,000
Environmental		\$ 607,500
Thorndale Avenue Row Cost		\$ 2,616,000
West Terminal Access (Retaining Wall)		\$ 59,875,000
West Terminal Access (Roadway Bridges) Structure #1		\$ 919,000
West Terminal Access (Roadway Bridges) Structure #2		\$ 1,364,000
West Terminal Access (Roadway Bridges) Structure #3		\$ 1,988,000
West Terminal Access (Roadway Bridges) Structure #4		\$ 769,000
West Terminal Access (Roadway Bridges) Structure #5		\$ 3,199,000
West Terminal Access (Roadway Bridges) Structure #6		\$ 274,000
West Terminal Access (Roadway Bridges) Structure #7		\$ 300,000
West Terminal Access (Roadway Bridges) Structure #8		\$ 1,356,000
West Terminal Access (Roadway Bridges) Structure #9		\$ 917,000
West Terminal Access (Terminal Bridges)		\$ 17,118,000
West Terminal Landscaping and Sculptures		\$ 2,000,000
Permits		\$ 131,967
Total Construction Budget		\$ 132,098,467
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (6%)		\$ 7,925,908
Program Management (1.5%)		\$ 1,981,477
Construction Management/Field Supervision/Testing & Inspection (5%)		\$ 6,604,923
Development Labor Costs. (0.5%)		\$ 660,492
Capitol Finance/Communications Labor Costs		Not Included
Airport Operations Factor (0%)		\$ -
DOA Management (0%)		\$ -
Total Planning, Design Mgmt & Admin Budget		\$ 17,172,801

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description: West Terminal Access Roads and Bridges

Budget Component	Unit Cost	Total Cost
Project Contingencies		
Contingency (10% of Construction Budget)		\$ 13,209,847
Escalation		Not included
<i>Contingencies Total</i>		<u>\$ 13,209,847</u>
Total Project Budget		\$ 162,481,114

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description:

Airside Automated Transit System - Tunnel
Conceptual Cost Estimate - Tunnel

Length: 17,150

Budget Component	Unit Cost	Total Cost
Construction Budget		
Mobilization	279.88	\$ 4,800,000
Site Earth Work	3,787.45	\$ 64,954,850
Site Concrete	3,076.65	\$ 52,764,490
Site Miscellaneous Metal	45.17	\$ 774,590
Site Dampproofing	16.06	\$ 275,360
Mechanicle / Plumbing Systems	76.22	\$ 1,307,240
Electrical Systems	28.36	\$ 486,370
General Conditions	728.14	\$ 12,487,650
Contractual Insurance	182.46	\$ 3,129,210
Contractors Fee	616.53	\$ 10,573,480
Performance and Payment Bond	88.37	\$ 1,515,530
Permits	8.93	\$ 153,070
Total Construction Budget	8,934.22	\$ 153,221,840
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (6%)	536.05	\$ 9,193,310
Program Management (1.5%)	134.01	\$ 2,298,328
Construction Management/ Field Supervision/ Testing & Inspection (5%)	446.71	\$ 7,661,092
Development Labor Costs. (0.5%)	44.67	\$ 766,109
Capitol Finance/Communications Labor Costs		Not Included
Airport Operations Factor (0.1%)	8.93	\$ 153,222
DOA Management (0%)	-	\$ -
Total Planning, Design Mgmt & Admin Budget	1,170.38	\$ 20,072,061
Project Contingencies		
Contingency (30% of Construction Budget)	2,680.27	\$ 45,966,552
Escalation	Not Included	Not Included
Contingencies Total	2,680.27	\$ 45,966,552
Total Project Budget	12,784.87	\$ 219,260,453

O'HARE MODERNIZATION PLAN - ESTIMATE SUMMARY

Project No:

Project Description:

Automated Transit System - Maintenance Center
 Conceptual Cost Estimate - Maintenance Center
 Above Ground

Quantity: 45,000

Budget Component	Unit Cost	Total Cost
Construction Budget		
Mobilization	6.67	\$ 300,000
Site Work	41.26	\$ 1,856,490
Concrete	36.14	\$ 1,626,290
Masonry	17.85	\$ 803,050
Metals	7.66	\$ 344,890
Thermal and Moisture Protection	5.31	\$ 238,740
Doors and Windows	0.90	\$ 40,380
Finishes	2.20	\$ 98,790
Special Equipment	16.67	\$ 750,000
Special Construction	2.96	\$ 133,180
Mechanical & Plumbing Systems	10.55	\$ 474,940
Electrical Systems	13.31	\$ 599,000
General Conditions	24.22	\$ 1,089,860
Contractual Insurance	4.21	\$ 189,670
Contractors Fee	14.24	\$ 640,900
Performance and Payment Bond	2.04	\$ 91,860
Permits	0.21	\$ 9,280
Total Construction Budget	210.00	\$ 9,287,320
Planning, Designing, CM & PM, Administration Budget (Percentages calculated on construction budget)		
Design (8.5%)	17.54	\$ 789,422
Program Management (1.5%)	3.10	\$ 139,310
Construction Management/ Field Supervision/ Testing & Inspection (5%)	10.32	\$ 464,366
Development Labor Costs. (0.5%)	1.03	\$ 46,437
Capitol Finance/Communications Labor Costs		Not Included
Airport Operations Factor (0%)	-	\$ -
DOA Management (0%)	-	\$ -
Total Planning, Design Mgmt & Admin Budget	31.99	\$ 1,439,535
Project Contingencies		
Contingency (30% of Construction Budget)	61.92	\$ 2,786,196
Escalation	Not Included	Not Included
Contingencies Total	61.92	\$ 2,786,196
Total Project Budget	300.29	\$ 13,513,051