Proposer Characteristics and Relative Approach to KCI Termi

AECOM

EDGEMOO projects. No total Cite TEAM EXPERIENCE Total Team Experience-\$100 billion A-4 \$63 billion Aviation Lead Designer Experience-\$80 billion - 6CO 1 1111 Populous does have two projects Aviation sheets shown as relevant experience lin our proposal. This does not make up their total aviation experience. Adding in the Lead Designers and our other architecture firms we have a total of \$12.5 billion dollars worth of 60 designs/desig completed aviation projects. This total **Architect Experience-Aviation** does not including competition, n construction 70 projects (AE(planning and programming efforts. Lead Contractor Experiencelead designer Aviation experience above) Number of airports worked on 66 total 30 airports 16 DBF ports where they Our construction and AECOM: 4 Iconstruction Fentress: 5 Turner: 5 managementxperience as 7 different projects AECOM Hu shown in projects and AECOM/AE statements throughout the Airlines worked with American Air proposal is over \$17 billion. See vest Jet Blue Airlines pages 49, 64, 65, 66, 67, 74, 88, United Airline 100, 101, 102, 105, 106, 124. In can Airlin Delta Airlines Airlines total we have over \$22 billion Lufthansa constructed dollars of aviation Korean Air Air France Emirates

lminimum of over Partnership, Edgemoor, and Terminal \$40 Billion dollars **Develope** worth of aviation

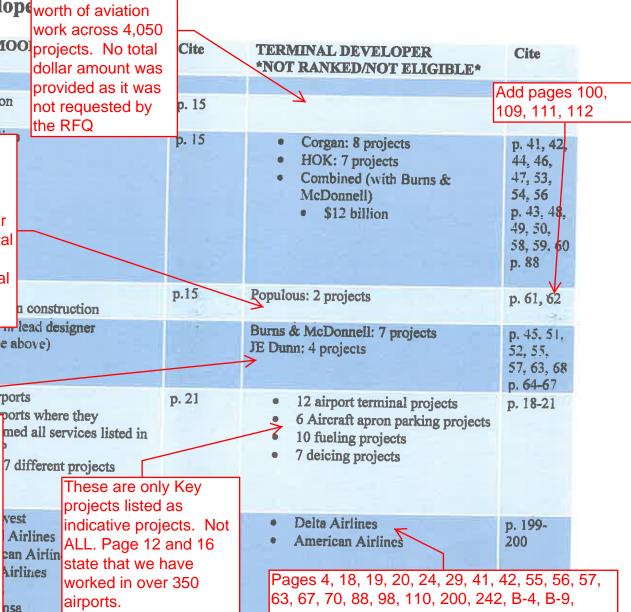
Page 97 states our lteam has done a

the RFQ

We have over 4050

aviation projects as

stated on Page 97



B-18, B-20, B-22, B-23, B-28 state our work with Southwest, United, Delta, American, Frontier, Allegiant, Spirit and AirTran. In addition we have worked with Alaska, US Airways, Jet Blue, Air India, Etihav, Emirates, and Hawiian Airlines.

Da H	Japan Airlines		Qatar AirwaysSingapore Airways			
P3 Experience	 Citigroup: 20 aviation P3's since 2010 AECOM: \$7 billion in infrastructure P3's 	A-48 A-50	Edgemoor/Meridiam: >\$10 billion 18 infrastructure P3's	p. 15 p.31	\$350 million P3 project with Edgemoor	p. 31
Local Experience- # of projects worked on	29 (from 1991-present)	C-3-8	17 significant local projects	p. 64-65	32,200	p. 97
KCI Experience	2 projects (1994, 2015)	C-3	1 project	2 (1		
Awards/Accolaties	AFCOM: #1 aviation firm in North America per Engineering News-Record AECOM Hunt & Turner Construction combined are #1 airport contractors in North America based on combined revenues per Engineering News- Record Turner Construction: #3 General Contractor by ENR	F-20, A-6	• SOM (architect) • 2,000 awards for design and innovation • 62 national AIA Honor awards • 2 AIA firm of the year awards • Clark • 9 sustainability awards • 16 Associated General Contractors of America Awards • 4 ENR Best of the Best Awards • 14 Design Build Institute of America Awards • 14 Design Build Institute of America Awards • 17 Awards • 18 Awards • 19 Awards • 19 Awards • 19 Awards • 10 Awards	Р. 64 р. 18	**KC Business Journal Top Architecture firms o #1 Populous o #3 HOK o #6 BNIM o #8 Burns & McDonnell **KC Business Journal Top General Contractors o #1 JE Dunn o #12 Burns & McDonnell **KC Business Journal Top Electrical Contractors o #1 Mark One Electric KC Business Journal Top Engineering Firms o #2 Burns & McDonnell o #8 Olsson Associates **Top Airport Terminal Architecture Firms o #1 Corgan **ENR Top Airport Firm o #3 Corgan o #5 Burns & McDonnell o #12 HOK	p. 2 p. 2, 16

PROJECT APPROACH			pa pa ex	ackages age 217	and on of fast	dgemoor, and Terminal Dev	
Design development package	June 1, 2018	H-1	Concentual decion: Oct		described	4	
Guaranteed maximum price	December 1, 2018	H-1	Feb-March 2018	o i o		N 1 2015	
Financial close	February 15, 2019	H-2	June 1, 2018		p. 91	November 2017	p. 217
Construction commence	February 15, 2019	H-2	June 1, 2018		p. 91	June 2018	p. 217
Substantial completion date	December 1, 2021	H-2			p. 91	June 2018 .	p. 217
Bidding process/Subcontractor valuation criteria	Preconstruction bid meetings Mandatory prequalification process: Current workload Annual volume Number of employees Safety history Company history Partners and principals MWSLBE certifications Federal ID numbers Tax registration and license numbers Info on past bankruptcy claims Disbarments Litigation Invitations to bid P-REQ Record and Review Bids Scope review and bid leveling	D-51- 53	 Ability to bond Current Capacity Local preference st 	our team ublicly ar uterview to tart consi- ovember onstruction tated to of ter voter s stated 88 actor on) ce ayment	that we will truction on r 8 2017. ion is commence approval		p. 217 p. 198

Risk management	Described states at a		Contract award			
	Detailed risk register Management Political/Approval/Funding Design/Scope changes Procurement Site mobilization Construction Utilities Productivity Testing & Commissioning Other risks Risk minigation matrix	D-30- 33	 Six step program 1-3: identify project risks early 4: assign a risk manager/design build integration manager to communicate and mitigate risks 5-6: risks continually tracked and evaluated Identifies 5 most critical risks to project and proposed solutions Design-build risk matrix 	p. 114-117	Identified top risks and potential solutions • Environmental assessment application development and receipt of approval from FAA • Existence of 7x7 box culvert under the new terminal • Reroute and flow reversal of fuel feed to airfield hydrant fueling system • Existing primary power feed to airport falls within footprint of new parking garage • Existing chilled water loop will need to be relocated	p. 191
Value engineering	4 examples Value engineering program O Material/system costs O Construction means & methods O Life cycle costs	D-67	 3 examples Target value design process Provide City with a decision matrix to make informed cost benefit decisions "Optimizer Process" Virtual program that allows different materials to be tried out before being selected to see which is most effective/best utilized 	p. 153-156	 Continual evaluation of cost, lifecycle, schedule, and constructability Firm budget ceiling, but flexibility to add or modify elements Used for Burns & McDonnell headquarters expansion and saved almost \$5 million 	p. 201
Quality assurance	Project-specific quality management plan during all phases of the Project: Inspections Construction/post construction Reporting/Tracking	G-2	Integrated quality management plan: Participation by primary stakeholders, including City and airlines	p. 161	Six distinct steps/tasks	p. 214

			schedul	controls and ng strategy page 25.	 Final review of design notes, drawings and specifications Review of pre-final specifications Final review Construction quality control Project quality planning Project document control Design and constructability reviews 	
Sahadwla			Project shown of 217. Prodelivery work bre	schedule on Page oject team and eakdown shown on	Design and construction document checking Supply quality control and shop inspection Construction site quality control Nonconformance control/corrective action Project records close out and retention Project Quality Control Field Workbook	
Schedule	 Detailed phasing approach Step 1: Build new terminal 4 phases Stage 2: Relocate airlines and tenants to new terminal Master schedule Pull planning: plan for every phase and major milestone Construction schedule: updated weekly Change orders: fragnet schedule for change order linked to rest of 	D-26- 28 D-56- 57	Work plan approach w/key deliverables Stage 1: concept refinement Findings and recommendations to KC based on stakeholder meeting Select additional consultants Establish project schedule Refine budget/updated financial model Stage 2: predevelopment planning	p. 94-96, 101	Early project phases Programming Master planning design Concept design Concept design Schematic design Additional project phases Design development Construction documents Construction administration Will develop custom work breakdown structure that contains all project controls for the program and build a detailed schedule	p. 173

Innovative tools	O Add more labor O Consider workarounds O Re-sequence schedule activities O Break up long activities into shorter durations O Alleviate stacking of trades O Reevaluate current activities 13 week post selection schedule Building information modeling	and investors Stage 3: project implementation	2. 102, Building information modeling	
	Schedule recovery strategies Review validity of constraints and durations for each critical activity Perform overtime, shift, or weekend work	wat radings agonores	 Sequence of steps: Establish organization objectives Prepare plans Finish task and assignment plan Finish tools and trial plan 	р. 190

Future was offered	BIM 360 tool Virtual design and construction Primavera scheduling software	D-54	 Detailed master project schedule Weekly design process reviews Proprietary collaboration system "Pulse" Program compliance matrix 3d Oculus Rift Virtual design and construction Virtual design and construction
Future-proofing	 Anticipate future legislation and new regulations Preserve spatial flexibility Environmental sustainability Coordinate with FAA and TSA (AECOM is advisor to FAA) 	D-60- 62	 Flexibility to expand or vary aircraft size Consideration for growth in international flights Review of TSA/gov't agency concerns Structural future proofing Put structural elements in a place that will allow reprogramming without affecting primary structure Locate primary power International flight or domestic gate flexibility shown on Page 177. Allows for change. Airfield flexibility shown on Page 177. Allows for change in aircraft size over time Flexibility to handle wide body jets at gates TSA innovation lanes Future options of automated processes Relationships with local, state, and federal regulators to stay informed of pending changes
Community Outreach	 Website, ads, press releases Newspaper/radio adds PSA Billboards/signage Presentations to targeted organizations Blog Instagram account 	D-64- 65	shown on page 178. Allows for future flight mix to change. Flexible expansion planning and approach to CBP future proofing discussed during interview. This allows for the technology at the security checkpoint to be easily adapted in the future. The struction newsletter struction

SUSTAINABILITY/INNOVATI	 Facebook page Twitter Real time construction activities Updates on road closures Safety announcements Public questions/suggestions Where to eat based on current dining accessibility Superintendent updates on construction New space openings QR Codes around jobsite to update on status 				 Media/social media relations support Single point of contact for communication 	
ON Proposed design	Presented four preliminary design concepts/tenderings Option 1: based on City's exhibit K design Option 2- improved NT-A "Grand Hall" Departure Hail with dual purpose check in islands 12 TSA screening lanes Bridge/walkway Additional gates Simplified baggage claim Option 3: reduced NT-A based on City's design (25 gates) Option 4: reduced option 2 (25 gates)	F-8 D-4, D-9, D-10	Did not present design renderings Collaborative design process, with City and airline involvement Aspects to appeal to travelers Better restrooms More shopping collaboration approach options Stronger WiFi charging station approach options Enough passen pages 164 Aspects that appeal to airlines Minimize baggage transport distance Quick access Ability to easily gain/lose gates Collaborative approach to	to design on	Presented a preliminary design concept/rendering Factors that appeal to KC Citizens Minimal walking distance Conveniently located main functions Family amenities More restrooms USO Airline clubs Separation of passenger and commercial vehicles at drop off/pick up New security screen checkpoint for TSA innovation lanes More convenient baggage claim Increased concessions after	p. 175

			design		 Four gates that can be used as international or domestic gates Factors that appeal to airlines Ability to expand to 42 gates Additional ramp level airline support space Common use deicing pads GSE recharging Vehicle service roads outside of taxilane Better baggage claim 	
RC Focus Proposed innovations	 Option 2: Baseball diamond with bench seating Spots for local museums to provide exhibits KC BBQ Jazz district/piano bar 	D-4	 Incorporate iconic KCI design elements such as Union Station or Fountain at Country Club Plaza Capture citizens' support of local sports teams 	p. 107	Community- a unified KC Sense of place Innovation Culture Interconnectivity Will work with stakeholders and community to develop a design that resonates with the community	p. 165 p. 164
A Toposed minorations	 Both Options 1 and 2 Skylights Ability to expand by 15 gates Option to change garage into something else if parking demands reduced by Lyft/Uber Glass wall between international and domestic baggage claim that could be lifted 	D-17	 Work with City, airlines and other stakeholders to determine selling point/distinguishing characteristics of KCI Enhance international arrivals facility Eliminate long walking distances Hyper-economical building frame and modular terminal system Dynamic and flexible central terminal area Energy efficient terminal design 	p. 108-109	 Wifi and charging stations An app to allow travelers to order food to their location in the terminal or order a drive to pick them up TSA innovation lanes Self-service ticketing and bag drop Access to green spaces Local art and music 	p. 186

ADA	 Compliance with 2010 ADA standards Early accessibility review of design Meet with City's Director of ADA Compliance to discuss the design and determine how best to involve local accessibility advocates Community outreach to discuss needs 	D-34	terminal design requiring special attention for ADA compliance Addresses issues for visually impaired Clear sight lines Regularly review laws, codes, and regulations applicable to projects ADA specific clash detection software Visual alarms Audio enhancement Envision certification	p. 180
			 Golf carts Wheelchairs Travellators Engage a local ADA specialist with connection to advocacy groups in the local community Technology/apps to assist passengers with disabilities 	
LEED strategy	 Sustainability goals workshop Sustainable transportation Passive energy strategies High efficiency plumbing Native planting High efficiency cooling towers LEED experience: 232 registered projects 11 platinum projects 55 gold certified projects 41 silver certified projects 	D-36- 39	Partner with the City to p. 122-123 Minimum LEED gold p.	p. 181- 183

1% for the Arts			 LEED experience: \$17 billion LEED projects 600 LEED accredited professionals Clark is #2 Top Green Contractor by ENR First LEED platinum building constructed in US First LEED-certified ballpark 		charrette with owner and stakeholders Register project with the Green Building Certification Institute Conduct meetings to review progress Submit credit interpretation requests Manage preparation of documents Provide green building guidance for subcontractors LEED experience: 360 LEED-certified facilities	
170 for the Arts	 Incorporate art related to Kansas City and aviation Form an art committee Commission works [NOTE: By City Charter Secs. 1136-1139 & by Sections 2-871-2-885, Code of Ordinances, the Municipal Arts Commission is the body that approves art] 	D-41- 42	Suggest using KC's Artist Selection Par Our team also hother aviation a program experience as shown on page 184	p. 126	 HOK experienced with the Municipal Arts Commission Team will work on a comprehensive design for the overall art system Will then recommend the project to Municipal Arts Commission 	p. 184
MINORITY INCLUSION						
MWBE Goals	30-35%	D-43 F-15	Construction: • MBE 20%, WBE 15% Professional services: • MBE 17%, WBE 12% Any subcontract not awarded to	p. 67	Will exceed City's requirement, but didn't give specific number For recent KCPD project • 40% MWBE for professional services, 30% MWBE for	p. 194

History of achieving goals		MWBE firm must commit to the same goal	construction
	 Hollywood Casino: goal 37%, actual 91% Kansas Speedway: goal 20%, actual 31% Nebraska Furniture Mart: goal 28%, actual 30% NFM-Warehouse: goal 28%, actual 46% Sporting Park: goal 40%, actual 73%, Bartle Hall: goal 17%, actual 19% LAX: goal 25%, actual 45% O'Hare: goal 30%, actual 51% Denver: goal 24%, actual 40% ATL: goal 37%, actual 43% Dallas: goal 35%, actual 55% JFK: goal 0%, actual 21% 	• UMKC • Miller Nichols: MBE goal 15%, actual 17.5%, WBE goal 10%, actual 11.8% • Student success center: MBE goal 2%, actual 21%, WBE goal 10%, actual 18% • Soccer stadium: MBE goal 12%, actual 17%, WBE goal 8%, actual 21% • Dental school: MBE goal 12%, actual 14%, WBE goal 8%, actual 9% • Kit Bond Bridge: MBE goal 12%, actual 19.8%, WBE goal 6.9%, actual 6.7% • Manchester Bridges: MBE goal 12.7%, actual 15.9%, WBE goal 6.9%, actual 7.15% • Airports: • Seattle: goal 0%, actual 16% • LAX: goal 20%, actual 32% • LAX Tom Bradley: goal 17%, actual 19% • IAD Terminal D: goal 26%, actual 37% • IAD Main Terminal: goal 20%, actual 24% • IAD arrivals: goal 30%, actual 34%	p. 70, 92 Burns & McDonnell World Headquarters Expansion: 17% MBE, 7% WBE Aviation Facilities Development Contract: 20% MBE, 20% WBE KCJ Facilities Shop Complex: 11% MBE, 8% WBE WMR Highland-Hillcrest: 20% MBE, 8% WBE East Bottoms PS Rehabilitation: 30% MBE, 16% WBE Hilton President: 15% MBE, 7% WBE Hik R Block Headquarters: 15% MBE, 8% WBE Union Station Post Office Renovation: 12% MBE, 20% WBE JE Dunn Headquarters: 17% MBE, 9% WBE KCPD Headquarters: 17% MBE, 13% WBE Penguin Zoo Exhibit: 35% MBE, 9% WBE Kauffman Center: 10% MBE, 4% WBE One Light Tower: 15% MBE, 7% WBE East Patrol Crime Lab: 19% MBE, 11% WBE Trozzolo Corporate Headquarters: 25% MBE, 4%

Programs in place			O Chicago Midway: goal 30%, actual 39% O JFK Terminal 4: goal 25%, actual 34%		 WBE Fire Station No. 39: 10% MBE, 12% WBE Fire Station No. 35: 19% MBE, 11% WBE McCownGordon Corporate Headquarters: 17% MBE, 8% WBE 	
Strategy	 Turner Kansas City School of Construction Management Youthforce 2020 ACE 101 The "diamond plan" Mentor-protégé program 	C-21, C-24 D-46	 Classroom-General Contractor training course Field-general contractor training course Mentor-mentee program Clark's strategic partnership program/Dartmouth's Tuck School of Business 	p. 87, 130	 Dartmouth Tuck School of Business JE Dunn Minority Contractor Business Development Program Preapprenticeship programs with Builders' Association of Kansas City and the Construction Career Academy at Manual Career & Technical Center 	p. 158 p. 160 p. 196
	 Advisory meetings with local MWBE organizations One-on-one meetings with MWBE firms Outreach meetings Team building session to facilitate networking between larger firms and MWBE Continuous stream of contact with MWBE firms that attended outreach meetings Electronic media outreach Attend meetings of orgs that support MWBE firms 	D-44- 48	 Subcontractor/supplier database Networking meetings/business fairs Advertising Detailed bidding and procurement strategy to achieve subcontracting goals 5-step plan Promote Identify Educate Mentor Support 	p. 129-131	 Work with local community associations to locate firms Public outreach events Directly contact interested firms Define and prepare specific project scopes to target MWBE firms Workforce development program ID prospective job applicants Assess individual worker needs Assistance with job readiness Basic skill training Back office support 	p. 192 p. 196

	 Develop bid packages that offer best utilization of MWBE firms Unbundle bids Best faith effort requirement for all subcontractor bids Technical assistance in areas such as estimating, bonding, insurance, marketing, and administrative processes for billing Outreach workshops/classes Raffle/drawing to win four free hours of professional management and marketing consulting time Assign a liaison to the local advocacy organizations to assist in developing a strategic outreach plan, communication of the project goals, provide technical assistance, monitor change orders, participate in weekly jobsite visits and compliance reviews, oversee preparation of monthly reports, advise project executive of corrective measures to address subcontractors found to be noncompliant 		O Jobsite monitoring O Bilingual support	
Financial innovations	 Advanced payment plan-payments to subcontractors in 10 days "tried and true" bonding program Scholarships to join MWBE groups KCI Legacy Fund: \$5 million loan guarantee program through a 	C-23- 24, F-13	Work with local financial institutions to eliminate bonding requirements, payment lag times and other financial limitations	p. 192

Community Reposit Agreement	partnership with Liberty Bank					
Community Benefit Agreement	 On-site child care On-site health care Express transportation to/from Project First Source outreach and training program Employee tool plan incentive Employee referral program Local high school apprenticeship program 	D-50, F-17	 Work with City Manager, Construction Workforce Board, and Full Employment Council to locate residents looking for work Integrate current hiring practices of local labor unions and enroll workers in pre- apprenticeship programs Provide bus stops at construction site On- or near-site child care Work with City to develop a formal Community Benefit Agreement that will best serve the City's needs 	p. 133	Intend to enter into a CBA with the City Would expect the agreement to include: Commitments to support and use local MWBE firms Commitments to build and utilize a diverse workforce Training programs for workers from KC's urban core Training programs for high school students to go into construction	p. 198
FINANCIAL APPROACH					after graduation	
Annual lease payment	 Option 1: \$69.8 million Option 2: \$80.5 million Reduced option 2 (25 gate): \$69.2 million 	F-2, F-	Milestone payment of \$151.6 million at completion of construction and then \$62.5 million per year	Section F1 p. 8, F12 p.35	Between \$73 million to \$81 million per year	presentati on
Flexible options	 Sculpted payment where City pays less in early years Development Agreement OR Lease Agreement 	F-3, F- 33	Debt only \$59.6 million lease payment	F3, p. 9		
xpected credit rating	A-	F-25	BBB+ minimum	110		
IBO compliant?	Yes	1-23	Yes	F3, p. 8	AAA/A- No	F7, 18