ARCHITECT – ENGINEER QUALIFICATIONS

PART I – CONTRACT SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION *(City and State)*
State Architect's Office -Schedule Consultant List , Columbus OHIO

2. PUBLIC NOTICE DATE
March 4, 2011

3. SOLICITATION OR PROJECT NUMBER
DAS-11S888

B. ARCHITECT – ENGINEER POINT OF CONTACT

4. NAME AND TITLE
Jack Kelly, III, Vice President

5. NAME OF FIRM
URS Corporation

6. TELEPHONE NUMBER
215.587.9000

7. FAX NUMBER
215.587.0668

8. E-MAIL ADDRESS
john _kelly@urscorp.com

C. PROPOSED TEAM
(Complete this section for the prime contractor and all key subcontractors.)

	(Check) PRIME	J-V PARTNER	SUBCON-TRACTOR	9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
a.	✓			**URS**	8 Penn Center, 21st Floor 1628 John F. Kennedy Blvd Philadelphia, PA 19103	Scheduling Services
				[ ] CHECK IF EDGE CERTIFIED	[✓] CHECK IF BRANCH OFFICE	
b.	✓			**URS**	277 West Nationwide Blvd. Columbus, OH 43215	Architectural and Engineering Technical Support
				[ ] CHECK IF EDGE CERTIFIED	[✓] CHECK IF BRANCH OFFICE	
c.	✓			**URS**	Foster Plaza 4 501 Holiday Drive Suite 300, Pittsburgh, PA 15220-2749	Specialized Cost Estimating for Trade Disciplines
				[ ] CHECK IF EDGE CERTIFIED	[✓] CHECK IF BRANCH OFFICE	
d.	✓			**URS**	564 White Pond Drive Akron, OH 44320-1100 United States	Scheduling Services
				[ ] CHECK IF EDGE CERTIFIED	[✓] CHECK IF BRANCH OFFICE	
e.						
				[ ] CHECK IF EDGE CERTIFIED	[ ] CHECK IF BRANCH OFFICE	

D. ORGANIZATIONAL CHART OF PROPOSED TEAM [✓] *(Attached)*

Scheduling Services

Ohio Administrative Knowledge System
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PRINCIPAL-IN-CHARGE

John W. Kelly, III

PROJECT MANAGER

Fran Sabatino, PSP

TECHNICAL SUPPORT

Architectural
Michael Burkey, AIA, NCARB

Structural
Andy Knapke, PE, SE

Mechanical
Joe Riddle, PE, LEED AP, NCEE

Electrical
David Bals, PE

SCHEDULING CONSULTANTS

Edward Vella
John Lamutt, PE
Carol Repoley
Larry Clawson
John Orr, PSP
Erin Foster

PRECONSTRUCTION SERVICES

Senior Manager
Donald Lange

Structural
Eric Link

Mechanical
Leonard Calianno

Electrical
Larry Baranowski

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Francis A. Sabatino	**Project Manager**	20	3

15. FIRM NAME AND LOCATION *(City and State)*

URS Corporation – Philadelphia, PA

16. EDUCATION *(DEGREE AND SPECIALIZATION)*

Suffolk Country- B.S. Government Lesley College- M.S.M. Business Management Northeastern University- Master of Public Administration Courses Harvard University- Certificate Program Courses Primavera Training Courses ACEC Emerging Leaders Seminar CMAA Review Course

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*

Bernard Fineson Developmental Center
Queens Village, NY

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2008	Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☑ Check if project performed with current firm

Analyzed contractors' delay claims for this $100 Million project using CPM Schedule methodology. Applied windows analysis to project schedules produced during construction. Identified schedule delay activities that extended the critical path of the project.

b.

(1) TITLE AND LOCATION *(City and State)*

Providence River Bridge, Providence, RI

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
Ongoing	2009

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☑ Check if project performed with current firm

Evaluated the schedule impact of eight specific issues identified by the general contractor in its claim against the owner on this $65 Million project that is part of the I-195 system in Providence. Identified delay causes other than those cited by the contractor that delayed the critical path of the project schedule and led to late completion of the project.

c.

1) TITLE AND LOCATION *(City and State)*

Main Electrical Substation JFK International Airport
Queens, New York

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2009	2007

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☑ Check if project performed with current firm

Reviewed and analyzed contractor's claim against the Port Authority related to the work of upgrading the main electrical substation under a contract for $25 Million. The contractor submitted a delay claim seeking escalation costs and payment for extra work items. Determined that the contractor was inactive for long periods of time at the project and had been paid for the extra work.

d.

1) TITLE AND LOCATION *(City and State)*

Brunswick Gardens Middle School, Boston, MA

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
2009	2007

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☑ Check if project performed with current firm

Mr. Sabatino analyzed the general contractor's claim against the City of Boston related to the construction of an $80 Million Pilot Middle School. Mr. Sabatino's analysis demonstrated that the delay issues cited by the contractor did not drive the late completion of the project but rather the contractor's delays did. A $4 Million claim was settled for under $100,000.

e.

1) TITLE AND LOCATION *(City and State)*

Central Artery / Third Harbor Tunnel, Boston, MA

(2) YEAR COMPLETED

PROFESSIONAL SERVICES	CONSTRUCTION *(if applicable)*
1995	2005

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☐ Check if project performed with current firm

Program master with another firm Mr. Sabatino evaluated contractor's time extension requests and reviewed monthly schedule updates with an eye toward identifying delay issues and causes.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE a. TOTAL	b. WITH CURRENT FIRM
Edward Vella	**Scheduling Consultant**	34	6

15. FIRM NAME AND LOCATION *(City and State)*
URS Corporation – Philadelphia, PA

16. EDUCATION *(DEGREE AND SPECIALIZATION)*
Project Mgmt Cert Program, Penn State University 2001
Spring Garden College, Manufacturing Engineering 1975
Staten Island College, A.A.S. Mech Engineering 1974
Project Management Institute (Delaware Chapter)

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Publication: Preventing Construction Claims In A Bear Market (Construction Executive 2008)

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Bernard Fineson Development Center
Queens Village, New York

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Current
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☑ Check if project performed with current firm

Construction Claims Consultant – Mental Health Facility Project consisting of nine new buildings. Assignment is to review and analyze delay claims from three separate prime contractors. Responsibilities include evaluation and analysis of prime contractors' claims and their request for equitable adjustment. Perform review of construction plans and specifications, analyze documents and schedules to determine monies owed to contractors. Write report with evaluation of costs claimed by contractors. Construction Contract Value: $100 Million

b.

1) TITLE AND LOCATION *(City and State)*
New York City Housing Authority
New York, New York

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2009
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☑ Check if project performed with current firm

Construction Claims Consultant – Contractor submitted request for equitable adjustment due to unanticipated delay impacts regarding the repair and renovation work on thirty-one separate buildings. Responsible to measure delays by performing a schedule analysis. Also, review all available documentation in performing evaluation of damages claimed by contractor. Write report with evaluation of costs claimed by contractors. Project Value $33 Million

c.

(1) TITLE AND LOCATION *(City and State)*
John F. Kennedy International Airport
Queens, New York

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2009
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☑ Check if project performed with current firm

Construction Claims Consultant – Work is related to the Relocation of Taxiway A North and South and Rehabilitation of Taxiway B. Contract provided for airfield paving, overlay, milling, utilities, taxiway lighting, ductbanks and relocation of aeronautical guidance signage. Due to delays on the project the contractor requested additional compensation from the owner. Responsibilities included review of construction plans and specifications, change orders, available schedules, progress meeting, daily reports and invoices in order to determine monies owed to contractor. Write report detailing evaluation of costs claimed by contractors and attend negotiation meetings. Settlement resulted in payment of less than 25% of cost requested by contractor. Construction Contract Value: $55 Million

d.

(1) TITLE AND LOCATION *(City and State)*
Bronx County Hall of Justice
Bronx, New York

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2008
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☐ Check if project performed with current firm

Associate Consultant – Construction of 10-story, steel-framed building located on a 2.5-block site. Responsibilities required analyzing numerous contractor claims. Performed analysis of claims which included outstanding balances, increased costs, and request for equitable adjustment resulting from delays and/or changes in project scope. Contract Value: $275 Million

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE a. TOTAL	b. WITH CURRENT FIRM
John P. Lamutt, P.E.	**Scheduling Consultant**	33	3

15. FIRM NAME AND LOCATION *(City and State)*
URS Corporation, Atlanta, GA

16. EDUCATION *(DEGREE AND SPECIALIZATION)*
BS, Architectural Engineering, University of Colorado
BS, Business Administration cum laude, University of Colorado

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Professional Engineer License – New Hampshire
Professional Engineer License - Georgia
Professional Engineer License - Alabama

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
American Society of Civil Engineers, Associate Member of the American Bar Association, Chi Epsilon

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Bel-Aire Drainage Improvements Phase I and II, Miami, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2009
CONSTRUCTION *(if applicable)*: N/A

☑ Check if project performed with current firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
Provided expert testimony and claims analysis services to Miami-Dade County, Florida defending a contractor initiated lawsuit and Request for Equitable Adjustment. Analysis included loss of productivity and schedule delay analysis, and related services. Case went to trial in 2009 and was successfully defended with no breach of contract or damages being awarded.

b.

(1) TITLE AND LOCATION *(City and State)*
Battle House Tower, Mobile, AL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(if applicable)*: N/A

☑ Check if project performed with current firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
Providing expert and claims analysis to insurance company that provided excess professional liability insurance to Owner. Analysis includes insurance policy analysis, schedule and delay analysis, geotechnical analysis, standard of care evaluation, and damages analysis and related services. Managing two additional testifying experts in this case. Claim is in excess of $5 million.

c.

1) TITLE AND LOCATION *(City and State)*
SW 97th Avenue from SW 40th Street to 8th Street Road, Bridge and Drainage Improvements, Miami, FL

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2008
CONSTRUCTION *(if applicable)*: N/A

☑ Check if project performed with current firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
Provided expert and claims analysis services to Miami-Dade County, Florida defending against a contractor initiated lawsuit. Analysis included schedule analysis, merit analysis and damages assessment. Claim was approximately $5 million on a $5 million project. Managed and directed two URS testifying experts in this case. Case went to trial in 2008 and resulted in a very favorable judgment for Miami-Dade County.

d.

1) TITLE AND LOCATION *(City and State)*
Sky Sail Luxury Condos and Marina, New Bern, NC

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(if applicable)*: 2008

☑ Check if project performed with current firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
Provided construction management services for $33 million mid-rise condominium project. Provided expert schedule and delay analysis for the developer concerning the alleged late delivery of the condominium units. Demonstrated in multiple independent arbitration hearings that the developer was entitled to excusable performance disruptions allowed by the purchase agreements; resulting in favorable decisions for the developer.

e.

1) TITLE AND LOCATION *(City and State)*
Southern New Jersey Light Rail System, Camden to Trenton, NJ

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2006
CONSTRUCTION *(if applicable)*: N/A

☐ Check if project performed with current firm

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
Provided claims and schedule delay analysis for General Contractor on the $600 million commuter rail system. Prepared a delay and lost productivity claim including breach of contract damages of over $150 million and tort damages of over $230 million. The claim was ultimately settled in litigation with a favorable outcome for the general contractor.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Carol A. Repoley	**Scheduler**	22	22

15. FIRM NAME AND LOCATION *(City and State)*
URS Corporation, Philadelphia, PA

16. EDUCATION *(DEGREE AND SPECIALIZATION)*
BS Degree, Construction Management, Drexel University, Philadelphia, Pennsylvania, 1996
AAS, Drafting and Design, Civil Technology, Burlington County College, Pemberton, New Jersey, 1983

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Exelon Corporation, FERC Re-licensing Schedule

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2007
CONSTRUCTION *(if applicable)*: 2007

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☒ Check if project performed with current firm

Mrs. Repoley is currently working with members of the Federal Energy Regulatory Commission hydroelectric re-licensing project team. The schedule is for a (nine year) program of environmental studies and regulatory approvals required for re-licensing of two hydroelectric plants. Involving fifteen studies are anticipated, involving more than twenty regulatory agencies and non-governmental organizations (stakeholder) Mrs. Repoley assigned to assist URS team in using Primavera (P3) to updating/monitoring the process.

b.

(1) TITLE AND LOCATION *(City and State)*
Frankford Transportation Center (FTC) Philadelphia, PA

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2006
CONSTRUCTION *(if applicable)*: 2006

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☒ Check if project performed with current firm

Office Engineer-SEPTA $96,700,000 project. Program spanning four years, four separate contracts, and eight prime contractors. She has determined scheduling review procedure. Performing review of contractor updated CPM cost loaded schedule and combining them into a program master schedule of 4400 activities, adding project interfaces and analyzing program critical paths, cash flows and time impact analysis

c.

1) TITLE AND LOCATION *(City and State)*
Market-Frankford Subway/Elevated Vehicle Procurement (M-4 Cars), Philadelphia, PA

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 1999
CONSTRUCTION *(if applicable)*: 1998

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☒ Check if project performed with current firm

Schedule review - She is currently assigned to the Market-Frankford Subway/Elevated Vehicle Procurement Project, a $285,000,000 project, spanning five years, for the design and manufacturing of the new M-4 Railcars. Schedule review is being performed for 7000+ activity network.

d.

1) TITLE AND LOCATION *(City and State)*
1990 to 1993 Railworks:

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 1993
CONSTRUCTION *(if applicable)*: 1993

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☒ Check if project performed with current firm

Scheduling Supervisor - During operating periods, reviewing contractor-submitted schedules for compliance with contract specification and overall project coordination between prime contractors.

e.

1) TITLE AND LOCATION *(City and State)*
SEPTA Market-Frankford Subway/Elevated Vehicle Procurement Project, Philadelphia, PA

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 1992
CONSTRUCTION *(if applicable)*: 1992

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☒ Check if project performed with current firm

Project Scheduler/Budget Analyst – She was responsible for the review and evaluation of the contractor CPM schedule, updates and time impact evaluations on this 4-year project.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Larry Clawson	**Scheduler**	38	7

15. FIRM NAME AND LOCATION *(City and State)*
URS Corporation, Pittsburgh, PA

16. EDUCATION *(DEGREE AND SPECIALIZATION)*

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Boehringer Ingelheim Ben Venue Laboratories, Phase V Conversion, Bedford, Ohio

(2) YEAR COMPLETED
PROFESSIONAL SERVICES | CONSTRUCTION *(if applicable*

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☒ Check if project performed with current firm

Created a CPM schedule for construction of new production, packaging & shipping lines, including the construction of the base building. The schedule provided a method to permit ongoing production of the pharmaceutical items.

b.

(1) TITLE AND LOCATION *(City and State)*
Old Dominion University - Student Residence Hall , Norfolk, VA

(2) YEAR COMPLETED
PROFESSIONAL SERVICES | CONSTRUCTION *(if applicable)*

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☒ Check if project performed with current firm

Provided project scheduling during the pre-construction phase for a new 230,650 SF building, additional services included value engineering, and constructability

.

c.

1) TITLE AND LOCATION *(City and State)*
Slippery Rock University, Vincent Science Building, Slippery Rock, PA

(2) YEAR COMPLETED
PROFESSIONAL SERVICES | CONSTRUCTION *(if applicable)*

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☒ Check if project performed with current firm

Created a CPM schedule for the renovation/modification of the Vincent Science Building. This also included a phasing plan that permitted ongoing classroom instruction and laboratory projects to continue without interruptions

d.

1) TITLE AND LOCATION *(City and State)*
Metropolitan Sewer District of Greater Cincinnati Wet Weather Improvement Plan, Cincinnati, Ohio ($3.9 Billion) Program consist of 350 projects ranging from 2006 to 2022

(2) YEAR COMPLETED
PROFESSIONAL SERVICES | CONSTRUCTION *(if applicable)*

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☒ Check if project performed with current firm

As Lead Technical Specialist in a confidential assessment of a hazardous waste facility performed, in anticipation of litigation, an assessment for legal counsel to determine adequacy and implementation of plant environmental and regulatory requirements in their maintenance operations. The results of this assessment directly assisted the firm in evidencing its performance met industry standards and regulatory and regulatory requirements. The client was able to achieve regulatory approval for increased capacity.

e.

1) TITLE AND LOCATION *(City and State)*
Lorain City School District, Lorain, OH

(2) YEAR COMPLETED
PROFESSIONAL SERVICES | CONSTRUCTION *(if applicable)*

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☒ Check if project performed with current firm

Scheduler for renovation and new school construction of twenty facilities throughout the district.

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E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
John Orr, PSP	**Scheduling Consultant**	31	29

15. FIRM NAME AND LOCATION *(City and State)*
URS Corporation – Washington, DC

16. EDUCATION *(DEGREE AND SPECIALIZATION)*
BA / Biology; Bucknell University
BS / Chemical Engineering; Bucknell University

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
Certification / AACE International / Certificate No. PSP-00208 Planning & Scheduling Professional

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
US Department of State, Overseas Building Operations (OBO), US Embassy Renovations, Paris, France

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2008
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☑ Check if project performed with current firm

Mr. Orr reviewed the schedule updates and time impact analyses presented by the contractor for the Paris embassy (Phase 2, A/B Buildings) and prepared a report evaluating the 13 Requests for Equitable Adjustment (REAs) or claims and overall project time impact delay analysis.

b.

(1) TITLE AND LOCATION *(City and State)*
GSA Region 3, Boggs Courthouse Federal Building Wilmington, DE

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2005
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☑ Check if project performed with current firm

Mr. Orr prepared the Technical Analysis of the as-planned and as-built renovation schedules for the USDC Clerk of Court Expansion project in order to close out the construction phase, assess liquidated damages, and negotiate all contractor delay claims.

c.

1) TITLE AND LOCATION *(City and State)*
University of Penn, School of Dental Medicine Philadelphia, PA

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2005
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☑ Check if project performed with current firm

Mr. Orr worked on site serving as the project Scheduling Engineer, providing management assistance to the University as they completed the Robert S. Schattner School of Dental Medicine. His duties included the evaluation of project schedule updates and claims, and the administration and close-out of the Surety takeover agreement for completion of the troubled project.

d.

1) TITLE AND LOCATION *(City and State)*
King George County Public Schools King George, Virginia

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2008
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☑ Check if project performed with current firm

Mr. Orr provided assistance to the URS project management team with scheduling support and change order/claim review and mitigation for the new King George High School project. He performed baseline and schedule update reviews, plus an analysis of the delay impact related to contractor change order requests for extended overhead and time stemming from alleged design omissions

e.

1) TITLE AND LOCATION *(City and State)*
US Department of State, Overseas Building Operations (OBO), Arlington, VA

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☑ Check if project performed with current firm

Mr. Orr has been assigned to the Construction and Commissioning Division (C&C) of the State Dept. OBO for over three years, providing claims, scheduling, and support services for several embassy, chancery and USAID projects. Current responsibilities include reviewing baseline schedules and PES updates for new embassy compounds in Addis Ababa, Ethiopia and Kyiv, Ukraine

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Erin Foster, PSP	**Scheduler**	10	3

15. FIRM NAME AND LOCATION *(City and State)*
URS Group, Inc. – Cleveland, OH

16. EDUCATION *(DEGREE AND SPECIALIZATION)*
BS / 2003 / Civil Engineering / University of Toledo

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
2010 / PSP – Planning and Scheduling Professional / No. 59168 / Association for the Advancement of Cost Engineering / Ohio

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
I-465 Northeast Corridor Added Travel Lanes, Indiana Department of Transportation

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2008
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☑ Check if project performed with current firm

Project Scheduler: Ms. Foster is currently serving as the Project Scheduler for this $740 million dollar design expansion, the largest single project ever undertaken by InDOT. The project consists of environmental permitting, geotechnical engineering, survey, roadway and bridge design, land acquisition, permitting, utility coordination, project management and preparation of the financial plan. The CPM schedule for this project was created and maintained using Primavera P6, utilizing resource loading and baseline functions. The overall project was separated into eleven individual design contracts, each with its own schedule and completion parameters. Each schedule was organized to mirror the InDOT Project Development Process (PDP) for Major Projects and developed to demonstrate the construction activity, phasing and sequence. These eleven (11) separate project schedules were elements of a larger program schedule. This schedule structure allowed for the tracking of both the overall program as well as individual projects. An executive monthly report detailing progress of the overall program was created and submitted to InDOT.

b.

(1) TITLE AND LOCATION *(City and State)*
New Ravenna High SchoolRavenna City School District

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2009
CONSTRUCTION *(if applicable)*: 2010

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☑ Check if project performed with current firm

Project Scheduler: Ravenna High School was completed in the fall of 2010. The new 158,000 sq. ft. building is located at the District's existing athletic facility complex, which includes their football, baseball, and softball fields, along with their athletic field house facility. The new High School facility is split into three major areas; "Building Areas A & B" include the main competition gymnasium, locker room facilities, and an athletic field house facility. "Building Areas C & D" include shared spaces, such as the auditorium, music rooms, CADD and production labs, along with the kitchen, main mechanical / electrical rooms, and administration offices. "Building Areas E, F, & G" consist of the classroom wings and library. The new building consists of steel and masonry construction and includes both sloped, shingled roofs, and a PVC adhered membrane roofing system. The project also features a (230) vertical well geothermal loop system that will provide heating and cooling for the new High School facility.

c.

1) TITLE AND LOCATION *(City and State)*
Ben Venue Laboratories, Inc.
Bedford Ohio

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2007
CONSTRUCTION *(if applicable)*: Ongoing

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☑ Check if project performed with current firm

Assistant Project Manager / Scheduler – Phase V Conversion & New Lab and Office Building: Ms. Foster served as the Assistant Project Manager / Project Scheduler for both a $155 Million addition and a $20 Million new Pharmaceutical Laboratory and Office Building project. URS provided Construction Management Services overseeing all daily construction operations for both of the projects listed above. For the Phase V Conversion project, the overall square footage of the building foot print is approximately 250,000 square feet. This project consists of two (2) floors of detailed pharmaceutical equipment rooms for processing and packaging of various pharmaceutical drugs. The third floor consisted almost entirely of a mechanical space. The New Lab and Office Building consists of three (3) floors with a Mechanical Penthouse and rooftop equipment. This building was steel structure with brick and curtain wall exterior finishes. This building achieved a silver LEED certification from the US Green Building Council (USGBC) and uses approximately 29% less energy than if it were constructed by conventional practices.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE a. TOTAL	b. WITH CURRENT FIRM
Michael Burkey, AIA, NCARB	**Technical Support**	39	18

15. FIRM NAME AND LOCATION *(City and State)*
URS Corporation – Columbus, OH

16. EDUCATION *(DEGREE AND SPECIALIZATION)*
BArch / Architecture / The Ohio State University / 1973
BA / History / Fine Arts / The Ohio State University / 1966

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
OH / Registered Architect / A-77-05877 / 1977
National Council of Architectural Registration Boards Certified / 32210 / 27234 / 1982
URS Certified Project Manager / 2008

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Ohio Dept. of Public Safety
Columbus, OH

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2009
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☑ Check if project performed with current firm

Project Manager. URS was selected to provide professional engineering services for the evaluation of existing space within the Ohio Department of Public Safety (ODPS) Building to ascertain mechanical and electrical needs to accommodate a secure area in the ODPS Building. **Cost:** $7.2K (Fee)

b.

(1) TITLE AND LOCATION *(City and State)*
Ohio University Bush Hall Renovation
Athens, OH

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(if applicable)*: 2012

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☑ Check if project performed with current firm

Quality Assurance / Control. URS was selected to provide complete building renovation for this four story, 31,752 gsf residence hall which currently houses 130 coed students. Updating of all building systems including window replacement, interiors and finishes. This will be the sixth complete building renovation on the East Green and the first LEED Silver residence hall. Within the building there will be student gathering space, study space, student rooms, shared bathrooms and offices. The building infrastructure renovation will include: plumbing, HVAC-4 pipe system, fire alarm, fire suppression system, secondary electrical distribution and access control at exterior entrances. **Cost:** $8.5M (Estimated)

c.

1) TITLE AND LOCATION *(City and State)*
Washington State Community College Health Sciences Bldg
Marietta, OH

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(if applicable)*: 2012

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☑ Check if project performed with current firm

Project Manager. URS was selected to provide professional planning, architectural and engineering services for the design of a new Health Sciences Building for Washington State Community College (WSCC). The new building will be approximately 51,000 sq ft and will house classroom and laboratory facilities for the College's Health Sciences programs. The facility will include general lecture classrooms, science labs (biology, chemistry, cadaver, etc.) and faculty offices. A portion of the building will be dedicated to an Educational Career Center for nursing education. **Cost:** $13.5M (Estimated)

d.

1) TITLE AND LOCATION *(City and State)*
Wright Center of Innovation, Wright State University
Dayton, Ohio

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2006
CONSTRUCTION *(if applicable)*: 2006

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☑ Check if project performed with current firm

Project Manager. URS was selected to provide professional planning, architectural design, and engineering services for the new Wright Center of Innovation (WCI) at Wright State University. This federally and locally funded program had an initial total project budget of $30M. This included research staff, equipment, and the building addition to the existing Russ Engineering Center. Construction budget for the building addition was $6M. URS assisted in fund-raising efforts by preparing renderings and models. To leverage fund-raising efforts, designs included significant unfinished / shelled space to incorporate additional laboratory space as funding was secured. At the Gala to announce the major gifts and recognition of public donations, URS presented video models and drawings of the project. After all the presentations, WSU received an additional anonymous gift that completed the funding for all the proposed functions and finished the remaining proposed shell spaces. **Cost:** $7.1M

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Andy Knapke, PE, SE	**Technical Support**	13	13

15. FIRM NAME AND LOCATION *(City and State)*

URS Corporation – Columbus, OH

16. EDUCATION *(DEGREE AND SPECIALIZATION)*

MS / Structural Engineering / Purdue University / 1998
BS / Civil Engineering / University of Notre Dame / 1997

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

IN / Registered Professional Engineer / PE10809910 / 2008
KY / Registered Professional Engineer / 26017 / 2008
LA / Registered Professional Engineer / 34504 / 2009
OH / Registered Professional Engineer / E-66697 / 2002
OR / Registered Professional Engineer / 80214PE / 2007
IL / Registered Professional Structural Engineer / SE 81005998 / 2003
URS Certified Project Manager / 2006

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*: **Washington State Community College Health Sciences Bldg Marietta, Ohio**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: Ongoing; CONSTRUCTION *(if applicable)*: 2012

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☑ Check if project performed with current firm

Senior Structural Engineer. URS was selected to provide professional planning, architectural and engineering services for the design of a new Health Sciences Building for Washington State Community College (WSCC). The new building will be approximately 51,000 sq ft and will house classroom and laboratory facilities for the College's Health Sciences programs. The facility will include general lecture classrooms, science labs (biology, chemistry, cadaver, etc.) and faculty offices. A portion of the building will be dedicated to an Educational Career Center for nursing education. **Cost:** $13.5M (Estimated)

b.

(1) TITLE AND LOCATION *(City and State)*: **University of Cincinnati Rieveschl 500 Level Teaching Labs Renovation, Cincinnati, Ohio**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2010; CONSTRUCTION *(if applicable)*: 2010

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☑ Check if project performed with current firm

Senior Structural Engineer. This is a multi-story renovation of the 300, 400 and 500 levels approximately 93,628 gross square foot total areas, of the five-story Rieveschl Hall, which was built in 1965. This project renovated the existing laboratory, classroom and office spaces. The renovated space accommodates the Department of Chemistry's undergraduate teaching laboratories. **Cost:** $11M

c.

1) TITLE AND LOCATION *(City and State)*: **Purdue University Wayne T. and Mary T. Hockmeyer Hall of Structural Biology, West Lafayette, Indiana**

(2) YEAR COMPLETED — PROFESSIONAL SERVICES: 2009; CONSTRUCTION *(if applicable)*: 2009

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE — ☑ Check if project performed with current firm

Senior Structural Engineer. Hockmeyer Hall, a key part of Purdue University President Martin C. Jischke's vision for a "Discovery Park", is devoted to the field of Structural Biology. The 67,000 sq ft facility employs the most recent technologies of Nuclear Magnetic Resonance (NMR), X-ray Diffraction, Ultra-high resolution Electron Microscopy, Molecular Crystallization, Protein Production, Cell and Virus Culture and BSL-3 laboratories in a modular, wet-bench laboratory environment. Great care was taken to keep the most sensitive activities in the building safe and away from possible sources of interference. Vibration sensitivity and electromagnetic interference issues were addressed, as were special security considerations. **Cost:** $26.1M

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Joe Riddle, LEED, AP, NCEE	**Technical Support**	31	21

15. FIRM NAME AND LOCATION *(City and State)*
URS Corporation – Columbus, OH

16. EDUCATION *(DEGREE AND SPECIALIZATION)*
BS / Mechanical Engineering / California Polytechnic Institute / 1980
Attended / Finance / University of Texas, Dallas

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
OH / Registered Professional Engineer / E-54162 / 1990
Also registered in 12 additional states
LEED Accredited Professional
National Council of Engineering Examiners Certified / 10414
URS Certified Project Manager / 2006

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Washington State Community College Health Sciences Bldg Marietta, OH

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(if applicable)*: 2012

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☑ Check if project performed with current firm

Senior Mechanical Engineer. URS was selected to provide professional planning, architectural and engineering services for the design of a new Health Sciences Building for Washington State Community College (WSCC). The new building will be approximately 51,000 sq ft and will house classroom and laboratory facilities for the College's Health Sciences programs. The facility will include general lecture classrooms, science labs (biology, chemistry, cadaver, etc.) and faculty offices. A portion of the building will be dedicated to an Educational Career Center for nursing education. **Cost:** $13.5M (Estimated)

b.

(1) TITLE AND LOCATION *(City and State)*
University of Cincinnati Rieveschl 500 Level Teaching Labs Renovation, Cincinnati, Ohio

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2010
CONSTRUCTION *(if applicable)*: 2010

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☑ Check if project performed with current firm

Quality Assurance / Control. This is a multi-story renovation of the 300, 400 and 500 levels approximately 93,628 gross square foot total areas, of the five-story Rieveschl Hall, which was built in 1965. This project renovated the existing laboratory, classroom and office spaces. The renovated space accommodates the Department of Chemistry's undergraduate teaching laboratories. **Cost:** $11M

c.

1) TITLE AND LOCATION *(City and State)*
Ohio Department of Agriculture Plant Industry Laboratory Building, Reynoldsburg, Ohio

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2009
CONSTRUCTION *(if applicable)*: 2009

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE

☑ Check if project performed with current firm

Plant Industry Laboratory Facility for the Ohio Department of Agriculture. The new 30,000 sq ft laboratory building has been designed to be the state-of-the-art for APHIS certification by the USDA for a 526 permit. The building consists of two stories plus basement and penthouse and its facades have been designed to blend in with the rural themes of the other buildings on campus. Portions of the new facility were designed to meet BSL-3 containment requirements and its laboratories include bio-security, plant pathology, molecular biology, microscopy, entomology, nematology and seed testing. **Cost:** $9M

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
David Bals, PE	**Technical Support**	18	13

15. FIRM NAME AND LOCATION *(City and State)*
URS Corporation – Columbus, OH

16. EDUCATION *(DEGREE AND SPECIALIZATION)*
BS / Electrical Engineering / The Ohio State University / 1993

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*
OH / Registered Professional Engineer / E-63798 / 1999
Also registered in 8 additional states
National Council of Engineering Examiners Certified
URS Certified Project Manager / 2006

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Washington State Community College Health Sciences Bldg Marietta, OH

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(if applicable)*: 2012

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☑ Check if project performed with current firm

Senior Electrical Engineer. URS was selected to provide professional planning, architectural and engineering services for the design of a new Health Sciences Building for Washington State Community College (WSCC). The new building will be approximately 51,000 sq ft and will house classroom and laboratory facilities for the College's Health Sciences programs. The facility will include general lecture classrooms, science labs (biology, chemistry, cadaver, etc.) and faculty offices. A portion of the building will be dedicated to an Educational Career Center for nursing education. **Cost:** $13.5M (Estimated)

b.

(1) TITLE AND LOCATION *(City and State)*
University of Cincinnati Rieveschl 500 Level Teaching Labs Renovation, Cincinnati, Ohio

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2010
CONSTRUCTION *(if applicable)*: 2010

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☑ Check if project performed with current firm

Senior Electrical Engineer. This is a multi-story renovation of the 300, 400 and 500 levels approximately 93,628 gross square foot total areas, of the five-story Rieveschl Hall, which was built in 1965. This project renovated the existing laboratory, classroom and office spaces. The renovated space accommodates the Department of Chemistry's undergraduate teaching laboratories. **Cost:** $11M

c.

1) TITLE AND LOCATION *(City and State)*
Ramapo College Science Lab Master Plan Mahwah, New Jersey

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2009
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☑ Check if project performed with current firm

Senior Electrical Engineer. This project was completed in 3 months including charrettes with the TAS Dean, faculty and staff as well as a final presentation to the college President and Board of Trustees. Ultimately, four scenarios were presented for consideration: complete renovation in phases, complete renovation with an addition for swing space, relocation into new construction, and minimum renovations to focus on public areas and safety. **Cost:** $25-60M (Estimated)

d.

1) TITLE AND LOCATION *(City and State)*
Purdue University Wayne T. and Mary T. Hockmeyer Hall of Structural Biology, West Lafayette, Indiana

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2009
CONSTRUCTION *(if applicable)*: 2009

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☑ Check if project performed with current firm

Senior Electrical Engineer. Hockmeyer Hall, a key part of Purdue University President Martin C. Jischke's vision for a "Discovery Park", will be devoted to the field of Structural Biology. The 67,000 sq ft facility will employ the most recent technologies of Nuclear Magnetic Resonance (NMR), X-ray Diffraction, Ultra-high resolution Electron Microscopy, Molecular Crystallization, Protein Production, Cell and Virus Culture and BSL-3 laboratories in a modular, wet-bench laboratory environment. **Cost:** $26.1M

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Donald Lange, LEED AP	**Senior Manager**	35	13

15. FIRM NAME AND LOCATION *(City and State)*
URS Corporation, Pittsburgh, PA

16. EDUCATION *(DEGREE AND SPECIALIZATION)*
Electrical Certificate – US Navy/Carpentry Certificate – Washington County Vo-Tech

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
US Green Building Council (GBC), Construction Management Association of American (CMAA), American Society of Professional Estimators (ASPE)

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
Joseph Badger Local School District, Kinsman, OH

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2007
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☒ Check if project performed with current firm

Project manager for new construction of a 181,000 s.f. K-12 school facility including gymnasium, auditorium, and athletic fields. Provided oversight and project management from conceptual design through construction close-out. Specific duties included cost estimating, scheduling, constructability reviews, conducting design team meetings, value engineering studies, and oversight of construction activities.

b.

(1) TITLE AND LOCATION *(City and State)*
Newton Falls Exempted Village School District, Newton Falls, OH

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2007
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☒ Check if project performed with current firm

Manager of preconstruction services including cost estimates, constructability Reviews, and value engineering studies.

c.

1) TITLE AND LOCATION *(City and State)*
Joseph Badger Local School District, Kinsman, OH

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2008
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☒ Check if project performed with current firm

Project manager for new construction of a 181,000 s.f. K-12 school facility including gymnasium, auditorium, and athletic fields. Provided oversight and project management from conceptual design through construction close-out. Specific duties included cost estimating, scheduling, constructability reviews, conducting design team meetings, value engineering studies, and oversight of construction activities

d.

1) TITLE AND LOCATION *(City and State)*
Lorain City School District, Lorain, OH

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2006
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☒ Check if project performed with current firm

Manager of preconstruction services for the Ohio School Facilities Commission and the Lorain City School District for construction of 9 new PK-5 schools, 4 new 6-8 middle schools, and additions and renovations to 5 elementary schools as well as both existing high schools. Responsibilities include cost estimating, value engineering, and program and construction scheduling.

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e.

1) TITLE AND LOCATION *(City and State)*
GSA Pittsburgh Federal Courthouse and Post Office Renovation, Pittsburgh, PA

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: ongoing
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☒ Check if project performed with current firm

Project Executive for $15 million renovations and additions to this federal facility which is also a Historic Landmark. The project includes major security upgrades, structural repairs, courtroom renovations, tenant fit-out and MEP upgrades. Challenges include maintaining Historic Landmark Status and performing major structural repairs in an operating Federal Courthouse. URS is providing preconstruction, procurement, and construction phase services.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE a. TOTAL	b. WITH CURRENT FIRM
Eric Link, CCT	**Preconstruction Services**	18	3

15. FIRM NAME AND LOCATION *(City and State)*
URS Corporation, Pittsburgh, PA

16. EDUCATION *(DEGREE AND SPECIALIZATION)*
AS/Civil Engineering Technology/CCAC

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
Association for the Advancement of Cost Engineering (AACE), Certified Cost Technician (CCT)

19. RELEVANT PROJECTS

a.
(1) TITLE AND LOCATION *(City and State)*
University of Cincinnati, Rieveschl Hall Lab Renovations, Cincinnati, OH

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2009
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☒ Check if project performed with current firm
$10,000,000 Lead Cost Estimator for an existing facility that was constructed in 1967 with a minimum amount of major renovations to the lab spaces since original construction

b.
(1) TITLE AND LOCATION *(City and State)*
USMA Science Center, Building 753 West Point, New York

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☒ Check if project performed with current firm
Providing four design phase estimates using MII (MCASES) for the 230,195 sf renovation/addition, United States Military Academy (USMA) Science Center Project which was developed by USMA and the United States Army Corps of Engineers (USACE).

c.
1) TITLE AND LOCATION *(City and State)*
Central Michigan University Science Addition

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2009
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☒ Check if project performed with current firm
Cost Estimator for services including: construction cost estimating, constructability reviews, and value engineering studies. The project will consist of a new 61,465 sf addition to the existing College of Health Professions Building.

d.
1) TITLE AND LOCATION *(City and State)*
Veterans House, Dept. of Veterans Affairs, Indianapolis, IN

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2009
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☒ Check if project performed with current firm
Provided four design phase estimates for the proposed two-story structure that will have a base footprint of approximately 7,500 square feet and offers a total area of 15,000 square feet of short term housing and gathering space. A partial basement, approximately 3,000 square feet is designed as a potential Add Alternate. Exterior walls are multi-wythe masonry walls comprised of 8" concrete masonry units, rigid insulation, building wrap and brick veneer. $3 Million in expected construction costs.

e.
1) TITLE AND LOCATION *(City and State)*
U.S. Custom House - Philadelphia, PA

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☒ Check if project performed with current firm
$ 26.7 Million - Provided cost estimates and constructability reviews for major restoration of a prominent Historical Landmark. It required due diligence predicting costs of Masonry, Terra Cotta, Glazing, and Metals restoration. Project had to maintain its Architectural integrity. The 18 story structure had 2,000 windows restored or replaced, replacement of 65,000 SF of roofing systems, an alternate for a 20,000 SF Extensive Green Roof. Masonry included spall repair, pinning and epoxy injection of cracking limestone, re-setting of existing limestone coping, and the cleaning of 115,000 SF of building surface.

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE a. TOTAL	b. WITH CURRENT FIRM
Leonard Calianno – CEP	**Constructability Review/Value Engineering**	15	5

15. FIRM NAME AND LOCATION *(City and State)*
URS Corporation, Pittsburgh, PA

16. EDUCATION *(DEGREE AND SPECIALIZATION)*
AS/Business/CCAC

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*
AACE Certified Estimating Professional (CEP)

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
University of Cincinnati, Rieveschl Hall Lab Renovations, Cincinnati,OH

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2009
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☒ Check if project performed with current firm
10,000,000 Lead Cost Estimator for an existing facility that was constructed in 1967 with a minimum amount of major renovations to the lab spaces since original construction

b.

(1) TITLE AND LOCATION *(City and State)*
Newton Fall School District, K-2 Elementary School, Newton Falls, OH

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2008
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☒ Check if project performed with current firm
20,000,000: Cost Estimator for preconstruction phase services for new additions and renovations, including estimating, value engineering, and constructability.

c.

1) TITLE AND LOCATION *(City and State)*
Ravenna City School District, Ravenna, OH

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2007
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☒ Check if project performed with current firm
The department provided cost estimating and constructability review services for the 159,000 S.F. new construction of a high school facility that included gymnasium, auditorium, field house and geothermal systems.

d.

1) TITLE AND LOCATION *(City and State)*
Lorain City School District, Lorain, OH

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2008
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☒ Check if project performed with current firm
Cost Estimator for preconstruction services for the Ohio School Facilities Commission and the Lorain City School District for construction of 9 new PK-5 schools, 4 new 6-8 middle schools, and additions and renovations to 5 elementary schools as well as both existing high schools. Responsibilities include cost estimating, value engineering, and program and construction scheduling.

e.

1) TITLE AND LOCATION *(City and State)*
USMA Science Center, Building 753 West Point, New York

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: Ongoing
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☒ Check if project performed with current firm
Providing four design phase estimates for the 230,195 sf renovation/addition, USMA's project was developed to create a state-of-the-art science center. The project includes provisions for modern, climate-controlled storage space for the library archives and special collections. Expected Project cost $140 Million

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Larry Baranowski	**Cost Estimator**	35	9

15. FIRM NAME AND LOCATION *(City and State)*
URS Corporation, Pittsburgh, PA

16. EDUCATION *(DEGREE AND SPECIALIZATION)*
AS/Electrical Engineering/CCAC

17. CURRENT PROFESSIONAL REGISTRATION *(STATE AND DISCIPLINE)*

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*

19. RELEVANT PROJECTS

a.

(1) TITLE AND LOCATION *(City and State)*
University of Cincinnati, Rieveschl Hall Lab Renovations, Cincinnati,OH

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2009
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☒ Check if project performed with current firm
10,000,000 Cost Estimator for an existing facility that was constructed in 1967 with a minimum amount of major renovations to the lab spaces since original construction.

b.

(1) TITLE AND LOCATION *(City and State)*
Allston Science Complex - Harvard University, Allston, MA

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2008
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☒ Check if project performed with current firm
Cost estimating and value engineering recommendations based on the design for the 640,000 SF laboratory and shared research facilities consisting of four buildings primarily comprised of laboratories, teaching labs, an underground research facility and various public facilities

c.

1) TITLE AND LOCATION *(City and State)*
Newton Fall School District, K-2 Elementary School, Newton Falls, Ohio

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2008
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☒ Check if project performed with current firm
Cost Estimator for 20 million dollar pre-construction phase services for new additions and renovations, including estimating, value engineering, and constructability. The project entailed the construction of a new grade 3-6 elementary school adjacent to the existing junior and senior high school, as well as renovations to the existing junior and senior high school, and construction of a new K-2 building. .

d.

1) TITLE AND LOCATION *(City and State)*
Central Michigan University Science addition

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2009
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☒ Check if project performed with current firm
$23.7 M -The project will consist of a new 61,465 sf addition to the existing College of Health Professions Building. The addition will be an interim solution to house the School of Medicine. After a new facility is constructed, this addition will be handed back to the College of Health Professions. The addition will accommodate academic, student, and administrative space for the School of Medicine at Central Michigan University in Mount Pleasant, Michigan. The intent of the addition is to match the existing exterior massing, materials, and finishes, and compliment the existing interior finishes.

e.

1) TITLE AND LOCATION *(City and State)*
Ravenna City School District, Ravenna, Ohio

(2) YEAR COMPLETED
PROFESSIONAL SERVICES: 2007
CONSTRUCTION *(if applicable)*:

(3) BRIEF DESCRIPTION *(Brief scope, size, cost, etc.)* AND SPECIFIC ROLE
☒ Check if project performed with current firm
MEP Estimator for 159,000 SF new construction for high school facility included gymnasium, auditorium, field house and geothermal systems.

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		20. EXAMPLE PROJECT KEY NUMBER 01
21. TITLE AND LOCATION *(City and State)* **Phase V Conversion – Ben Venue Laboratories, Inc. Bedford, OH**	22. YEAR COMPLETED PROFESSIONAL SERVICES 2007	CONSTRUCTION (if applicable) 2010

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Ben Venue Laboratories, Inc.	b. POINT OF CONTACT NAME David Justice, PE	c. POINT OF CONTACT TELEPHONE NUMBER 440.232.2300

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

URS provided Construction Management Services overseeing all daily construction operations for a detailed 155 Million dollar addition to an existing pharmaceutical facility at Ben Venue Laboratories. The overall square footage of the building foot print is approximately 250,000 square feet. This project consists of two (2) floors of detailed pharmaceutical equipment rooms for processing and packaging of various pharmaceutical drugs. The third floor consisted almost entirely of a mechanical space.

The new Phase V Conversion project is a pharmaceutical manufacturing facility strictly for the manufacturing of injectable drugs. With (3) three fill suites this facility has the capacity to manufacturer (3) three different types of injectable drugs per shift. The new facility also includes (9) nine Freeze Dryers which allows Ben Venue the capability of having any drug being Lyophilized. This project was further complicated by the strict regulatory compliance requirements which provided us with considerable challenges through the course of the project. Additionally, our staff was involved in the commissioning effort associated with this facility. This effort involves substantial coordination with the Food and Drug Administration (FDA) both here in the United States and abroad.

Phase V Conversion's Class 100,000 area is over 9,000 square feet with the air changing 90 times per hour. Phase V Conversion has a total of (33) air handling units feeding both clean room areas and office areas. The facility also has (4) four Compounding Rooms that are rated for Class 1 Division 2.

During the construction process, it was imperative to maintain to all FDA regulations and not to disrupt any of the ongoing existing manufacturing plants attached to the building. Our daily duties including the following tasks: daily reports, RFI's, Field Work Directives, Scheduling, Coordination between contractors, Construction photos & as-builts.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME URS Corporation	(2) FIRM LOCATION *(City and State)* Akron, OH	(3) ROLE Construction Management
b.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT	20. EXAMPLE PROJECT KEY NUMBER 02

21. TITLE AND LOCATION *(City and State)*	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
World Trade Center Reconstruction **New York, New York**	Ongoing	Ongoing

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
Port Authority of New York & New Jersey	Lucy Foster Assistant Director of WTC Construction	212-435-5526

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Relevance to the Proposed Project:

- On Call Construction Claims Analysis
- Schedule Review and Delay Impact Analysis
- Change Order Impacts
- Labor Productivity Analysis
- Cost and Damage Analysis of Claim Damages

Project Description:

URS serving as an extension of staff for the Port Authority is responsible for the review, analysis, and evaluation of all construction claims made against the Owner. To date claims have been reviewed relating to One World Trade Center (formerly "The Freedom Tower"), the new Transportation Hub, the September 11th Memorial and various related infrastructure projects. The enormous scope of the project and the high cost of each trade contract require real time evaluation and resolution of construction claims. This is not project that can wait until the end to resolve claims. The current overall estimated cost of the project is in the range of $16 Billion.

The issues that have given rise to claims include differing subsurface conditions, denied access, design and program changes, changing regulatory requirements, adjacent projects, and other common causes of claims. The logistically challenging sixteen acre in Lower Manhattan affords no laydown areas and requires close working proximity of adjacent projects. Several projects share common structural elements requiring precise coordination and scheduling. In addition the Port Authority operates the active Port Authority Trans Hudson (PATH) subway line from New Jersey to a temporary station in the midst of the WTC Construction site bringing thousands of commuters through the site on a daily basis.

URS works closely Port Authority Construction, Legal and Accounting Personnel, Program Managers, Construction Managers, the claiming trade contractors and their consultants in order develop a comprehensive analysis of each claim. Using the latest CPM Schedule Analysis techniques URS has been able to identify the real critical path delays to the project and the parties responsible for causing delays. URS has taken a proactive role by attending project scheduling and coordination in order to provide early identification of issues that may give rise to claims. We have also provided claims identification training to WTC Construction personnel through a series of lunch time seminars.

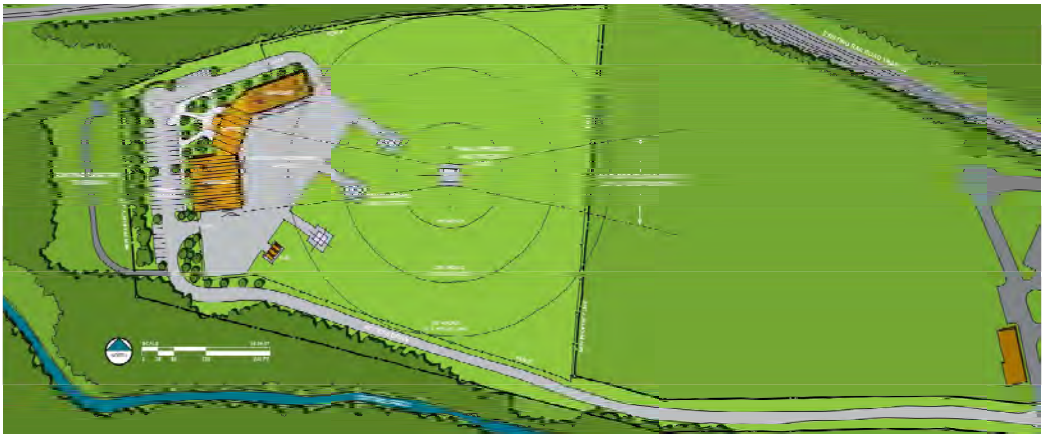
25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME URS Corporation	(2) FIRM LOCATION *(City and State)* New York, New York	(3) ROLE Primary Claims Analysts
b.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		20. EXAMPLE PROJECT KEY NUMBER 03
21. TITLE AND LOCATION *(City and State)* **Columbus Police Heliport Columbus, OH**	22. YEAR COMPLETED PROFESSIONAL SERVICES 2008	CONSTRUCTION (if applicable) 2008

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER City of Columbus	b. POINT OF CONTACT NAME Joel S. Taylor	c. POINT OF CONTACT TELEPHONE NUMBER 614.645.8200

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

URS provided 3 phases of cost estimates for a new $8,200,000, 30,000 square foot police heliport facility for the city of Columbus. Project included 2 large, 3-bay hangars in addition to a substantial Office/Administration structure. The two hangars doubled as vehicle/equipment storage and maintenance facilities.



25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME URS Corporation	(2) FIRM LOCATION *(City and State)* Pittsburgh, PA	(3) ROLE Cost Estimating Services
b.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		20. EXAMPLE PROJECT KEY NUMBER 04
21. TITLE AND LOCATION *(City and State)* **Bernard Fineson Developmental Center Queens Village, New York**	22. YEAR COMPLETED PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) Ongoing

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Dormitory Authority State of New York	b. POINT OF CONTACT NAME Mauro Lapetina Managing General Counsel	c. POINT OF CONTACT TELEPHONE NUMBER 518-257-3120

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

Relevance to the Proposed Project:

- Investigate Change Orders to Identify Design Errors and/or Omissions
- Determine Schedule Impact of Design Change Orders
- Analysis and Evaluation of Construction Claims Submitted by Various Multiple Prime Contractors

Project Description:

This Mental Health Facility Project consists of nine new buildings: A Program Building housing offices, classrooms and administrative functions; two two-story residence buildings; and six one-story residence buildings. The construction contacts were awarded on a multi-prime basis in accordance with New York State Law. The value of the construction contracts is approximately $100 Million. URS' initial assignment was to evaluate change orders to identify any that originated from design errors and omissions (E & O) and to determine the cost and schedule impact of E & O changes. As a result of the E & O changes and various other causes the project completion was delayed by more than one year. The two two-story residences encountered structural problems that to date have delayed completion.

As a result of the lengthy completion delay several of the prime contractors have filed claims against DASNY. DASNY has extended URS' scope of services to include the evaluation and analysis of the prime contractors' claims and requests for equitable adjustment. Since delay is a common element of all the claims, URS has performed a CPM Schedule Analysis to identify the cause of delays and the responsible parties. The claims analyses are ongoing and since final completion has not been achieved more delay may be filed.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME URS Corporation	(2) FIRM LOCATION *(City and State)* Philadelphia, PA	(3) ROLE On Call Claims Consultant
b.	(1) FIRM NAME URS Corporation	(2) FIRM LOCATION *(City and State)* Boston, MA	(3) ROLE On Call Claims Consultant
c.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		20. EXAMPLE PROJECT KEY NUMBER 05
21. TITLE AND LOCATION *(City and State)* **University of Cincinnati Rieveschl Hall – 500 Level Teaching Labs Renovation, Cincinnati, OH**	22. YEAR COMPLETED PROFESSIONAL SERVICES 2010	CONSTRUCTION (if applicable) 2010

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER University of Cincinnati	b. POINT OF CONTACT NAME Peter Luken	c. POINT OF CONTACT TELEPHONE NUMBER 513.556.3160

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

This is a multi-story renovation of the 300, 400 and 500 levels (approximately 93,628 gross sq ft) of the five-story Rieveschl Hall, which was built in 1965. This project renovates the existing laboratory, classroom and office spaces. The renovated space accommodates the Department of Chemistry's undergraduate teaching laboratories. This renovation required replacement and upgrades to the HVAC system serving these floors, the addition of fume hoods, installation of laboratory room finishes and casework, the addition of a fire protection system for the space renovated and including paths of egress, installation of new ceilings and lighting throughout the floors, the modification of plumbing and electrical systems and fire proofing as a result of the asbestos abatement being performed by the University prior to renovation. Construction phase planning facilitated the existing building's operations, as well as those of the surrounding buildings, throughout the construction period.

The design concept for the project included maintaining some existing CMU walls while inserting color and rhythm to enliven the corridors. By inventing new "niches" visual relief was created while "bumping spaces" were developed to facilitate unscheduled student collaboration. Making the science visible included new glazed openings into lab areas and large display nodes at corridor focal points. Salvaged square footage provided a student friendly group study area with tablet armlounge chairs and additional whiteboard space for student to student support and tutoring.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME URS Corporation	(2) FIRM LOCATION *(City and State)* Columbus, OH	(3) ROLE Project Management, Comprehensive A-E Services
b.	(1) FIRM NAME URS Corporation	(2) FIRM LOCATION *(City and State)* Pittsburgh, PA	(3) ROLE Cost Estimating Services
c.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		20. EXAMPLE PROJECT KEY NUMBER 06
21. TITLE AND LOCATION *(City and State)* **U.S. Department of State – Paris, France**	22. YEAR COMPLETED	
	PROFESSIONAL SERVICES 2008	CONSTRUCTION (if applicable) 2008

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER U.S. Department of State Overseas Building Operations	b. POINT OF CONTACT NAME John Sawyer	c. POINT OF CONTACT TELEPHONE NUMBER

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

URS Corporation was retained by the U S Department of State Overseas Buildings Operations to review schedule updates and time impact analyses presented by the contractor for the Paris embassy renovation project (Chancery A/B Buildings, Phase II) and to prepare a report evaluating thirteen Requests for Equitable Adjustments including an overall project time impact delay analysis. URS presented their findings and participated in negotiation meetings with the contractor, their scheduling consultant, and outside counsel.

With URS' assistance all Requests for Equitable Adjustments were settled and the contract completed within budget and without subsequent litigation.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME URS Corporation	(2) FIRM LOCATION *(City and State)* Philadelphia, PA	(3) ROLE Scheduling, Cost Estimating
b.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		20. EXAMPLE PROJECT KEY NUMBER 07
21. TITLE AND LOCATION *(City and State)* **New Ravenna Jr./Sr. High School Ravenna, OH**	22. YEAR COMPLETED PROFESSIONAL SERVICES 2009	CONSTRUCTION (if applicable) 2009

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Ravenna City School District	b. POINT OF CONTACT NAME Dr. Tim Clafee	c. POINT OF CONTACT TELEPHONE NUMBER 330.876.2810

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

URS is providing full program management services including cost estimating, constructability reviews, value engineering studies, and site oversight to the Ravenna Local School District. The new $29.8 million, Jr./Sr. High School is a single story 158,215 S.F facility that includes a competition gymnasium, a 13,000 S.F. fieldhouse, a full service kitchen/cafeteria, an 800 seat auditorium, a media/learning center, all in addition to the standard academic classrooms and the associated building support rooms.

The new Jr./Sr. High School will be located on a 44 acre site that includes the School District's existing Sports Stadium, Tennis Courts, and their Baseball and Softball fields. The District will utilize these athletic facilities during the construction of the new building. The access drive to the sports facilities sits within the footprint of the proposed building. The District was very concerned about their ability to hold sporting events during the construction period. URS worked hand-in-hand with the School District and Architect during the design phase to ensure that the new entrance to the site was position in such a manner that would accommodate the construction of a new entrance prior to the need to remove the existing drive. As such, there will be no interruption to the District's existing sporting programs.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME URS Corporation	(2) FIRM LOCATION *(City and State)* Pittsburgh, PA	(3) ROLE Full CM Services including Cost Estimating
b.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		20. EXAMPLE PROJECT KEY NUMBER 08
21. TITLE AND LOCATION *(City and State)* **Washington State Community College Health Sciences Building, Marietta OH**	22. YEAR COMPLETED PROFESSIONAL SERVICES Ongoing	CONSTRUCTION (if applicable) 2012

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Washington State Community College	b. POINT OF CONTACT NAME Dr. Charlotte Hatfield	c. POINT OF CONTACT TELEPHONE NUMBER 740.374.8716 x1101

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*

URS was selected to provide professional planning, architectural and engineering services for the design of a new Health Sciences Building for Washington State Community College (WSCC). The new building will be approximately 51,000 sq ft and will house classroom and laboratory facilities for the College's Health Sciences programs. The facility will include general lecture classrooms, science labs (biology, chemistry, cadaver, etc.) and faculty offices. A portion of the building will be dedicated to an Educational Career Center for nursing education.

The project began with URS planners and designers reviewing the existing Program of Requirements completed by another firm. The program was evaluated in terms of design, priority of spaces, equipment requirements, engineering requirements, budget, and any changes in academic approach.

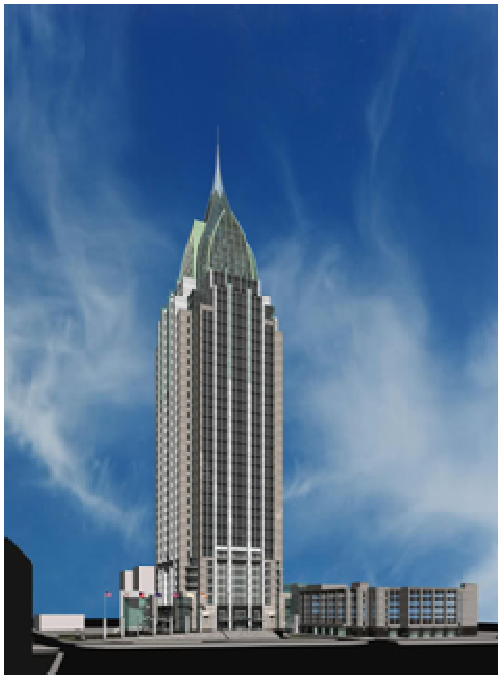
Currently in the Conceptual Development Phase, URS is working closely with WSCC administrators, personnel, etc. to develop a two-dimensional plan for the new Health Sciences Building. This plan brings together the adjacency requirements, plan requirements, and site requirements in order to shape the building. Once the initial design is complete, URS designers will shape the building and provide three-dimensional concept designs (renderings of exterior and interior spaces). These renderings will be a valuable resource for WSCC's fundraising efforts. URS and WSCC will participate together in raising funds to construct the building.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME URS Corporation	(2) FIRM LOCATION *(City and State)* Columbus, OH	(3) ROLE Project Management
b.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
c.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE

F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT		20. EXAMPLE PROJECT KEY NUMBER 09
21. TITLE AND LOCATION *(City and State)* **RSA Battle House Tower – Geotechnical, Schedule & Damages Analysis, Mobile, AL**	22. YEAR COMPLETED PROFESSIONAL SERVICES 2009	CONSTRUCTION (if applicable)

23. PROJECT OWNER'S INFORMATION		
a. PROJECT OWNER Meckler Bulger Tilson Marick & Pearson, LLP	b. POINT OF CONTACT NAME Chris Hennessy, Esq	c. POINT OF CONTACT TELEPHONE NUMBER 312.474.4493

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT *(Include scope, size, and cost)*



The Retirement Systems of Alabama's Battle House Tower is the tallest building in Alabama, as well as along the Gulf Coast outside of Houston. It is 745 feet tall, has 35 floors and over 570,000 sfo of office, hotel and commercial space. Groundbreaking for the project occurred in November of 2003 and the opening ceremony was held in May of 2007. During construction numerous delays occurred including, in part, a major foundation problem, resulting in the replacement of the geotechnical engineer, five (5) major hurricanes, and numerous additional changes to the design unrelated to the geotechnical engineer.

In 2007, URS was retained by Steadfast Insurance, who had provided a supplemental E&O policy to RSA, to evaluate a claim in excess of $5 million dollars alleging that the geotechnical engineer was negligent resulting in it being solely responsible for: the delay to the project, changes in the design of the project, lost rental income, costs of remediation and repair, additional insurance premiums, additional engineering costs, and general overhead costs. URS was hired to review the history of the project and all of the available documents, a large portion of which were lost during one of the hurricanes. With limited information, URS performed a preliminary claims assessment and organized the available documentation, performed a Standard of Care evaluation of the geotechnical engineer, prepared a schedule evaluation of the original planned schedule, the as-built schedule and the causes of delays. URS further performed a detailed damages analysis and provided recommendations to Steadfast Insurance to assist in their settlement discussions. The URS' analysis proved that the delays to the project were not solely caused by the geotechnical engineer and that the delays in fact were caused by the subsequent design delay of the tower above the foundation. There was over three (3) months of float in the foundation construction. Further, the damage analysis revealed that the maximum exposure, if the courts were to rule that the geotechnical engineer was liable, was substantially less than $1 million. Armed with the URS analysis, Steadfast Insurance was able to reach an equitable settlement with RSA.

25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT			
a.	(1) FIRM NAME URS Corporation	(2) FIRM LOCATION *(City and State)* Atlanta, GA	(3) ROLE Dispute Resolution Services
b.	(1) FIRM NAME URS Corporation	(2) FIRM LOCATION *(City and State)* Chicago, IL	(3) ROLE Dispute Resolution Services
c.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
d.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
e.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE
f.	(1) FIRM NAME	(2) FIRM LOCATION *(City and State)*	(3) ROLE

G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS

26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)									
		1	2	3	4	5	6	7	8	9	10
Francis Sabatino	Project Manager	X		X							
John Lamutt, PE	Scheduler									X	
Ed Vella	Scheduler		X		X						
Larry Clawson	Scheduler	X						X			
Carol Repoley	Scheduler						X				
John Orr	Scheduler						X				
Erin Foster	Scheduler	X						X			
Don Lange	Sr Mgr Precon Services					X		X			
Leonard Calianno	Preconstruction Services					X		X			
Larry Baranowski	Preconstruction Services					X	X				
Eric Link	Preconstruction Services					X					
Michael Burkey, AIA	Technical Support								X		
Andy Knapke	Technical Support						X		X		
Joseph Riddle, PE	Technical Support						X		X		
David Bals	Technical Support						X		X		

29. EXAMPLE PROJECTS KEY

NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)	NO.	TITLE OF EXAMPLE PROJECT (FROM SECTION F)
1	Ben Venue Laboratories	6	US Embassy - Paris
2	World Trade Center	7	Ravenna City School District
3	Columbus Police Heliport	8	Washington State Community College
4	DASNY	9	RSA Battle House Tower
5	Univ of Cincinnati Rieveschl Hall	10	

H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

INTRODUCTION TO THE URS TEAM

URS Corporation's oldest predecessor company was founded in 1904. URS was established in 1951, and incorporated in 1957 as Broadview Research—a research group active in the area of physical and engineering sciences. In 1967, management developed a growth strategy focused on building a multidisciplinary professional services firm. In 1968, Broadview Research acquired United Research Incorporated of Cambridge, Massachusetts. During this period, the name Broadview Research was changed to United Research Services and later shortened to URS.

Throughout the 1970s and 1980s, URS continued to expand through internal growth and strategic acquisitions that enhanced our engineering, architectural and environmental practices. These acquisitions included Madigan-Praeger; Coverdale and Colpitts; John A. Blume and Associates; Hill Dreman Chase; and Dalton, Dalton and Newport.

In 1996, URS further expanded with the acquisition of Greiner Engineering, which broadened our presence in the transportation market. The Woodward-Clyde Group joined URS in 1997, bringing additional environmental capabilities and a broader international presence to the organization. When Dames & Moore Group joined the Company in 1999, it further widened our geographic base, strengthened our program and construction management expertise, added to our FORTUNE 500 client base and expanded our presence in the mass transit market. When URS acquired the Dames & Moore Group, one of the companies that were part of that group was O'Brien Kreitzberg. James J. O'Brien, a founding partner of that firm is the author of ***CPM in Construction Management***, the authoritative treatise for the use of the Critical Path Method of scheduling for construction management that is now in its seventh edition.

In 2002, the acquisition of EG&G Technical Services, a provider of management and technical support services to U.S. government agencies—the Departments of Defense and Homeland Security in particular—positioned URS in the ranks of the leading U.S. federal services contractors. The 2007 acquisition of Washington Group International enhanced URS' ability to provide integrated engineering and construction services throughout the project life cycle—from planning, design and engineering through construction to operations and maintenance, and decommissioning and closure. The acquisition also expanded our capabilities in the power and nuclear management markets, as well as in transportation, mining, defense, and industrial infrastructure and process.

Today, URS has approximately 47,000 employees in a network of offices in more than 30 countries. The Company provides the full range of program management; planning, design and engineering; systems engineering and technical assistance; construction and construction management; operations and maintenance; and decommissioning and closure services. URS' business is focused on four key market sectors: Federal, Infrastructure, Power, and Industrial & Commercial. Our clients include the U.S. federal government, national governments of other countries, state and local government agencies in the United States and internationally, and FORTUNE 500 companies and other multinational corporations.

URS OHIO AND REGIONAL SERVICES

URS Corporation is a fully integrated engineering, construction and technical services organization with the capabilities to support every stage of the project life cycle. The Company offers a full range of program management; planning, design and engineering; systems engineering and technical assistance; construction and construction management; operations and maintenance; and decommissioning and closure services. URS provides all the services required to design, build, expand and modernize transportation and water resources infrastructure, as well as many types of facilities, such as healthcare complexes, schools, courthouses and other public buildings.

Our expertise in the infrastructure sector encompasses highways, bridges and tunnels; airports; light and heavy rail; ports and harbors; water supply, storage and distribution systems; wastewater treatment systems; and levees and flood control systems. We also have extensive experience providing turnkey design, engineering and construction services for design-build and design-build-operate-maintain projects.

URS maintains seven fully functional offices in the State of Ohio. Offices are located in Columbus, Cleveland, Akron, Toledo and Cincinnati. Following the Project Controls and Scheduling leadership of James J. O'Brien, URS continues to be an industry leader in area of projects controls that includes CPM schedule development, management, and analysis.

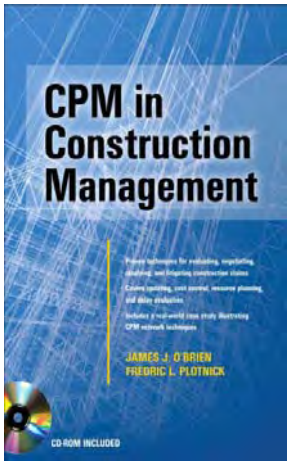
In Ohio, URS' award-winning staff includes approximately 1000 professional engineers, architects, planners, schedulers, program managers, construction managers, project managers and claims experts. URS has the local, regional and national

expertise to fully support the Ohio State Architects Office with a full service approach for the Schedule Consultant List request.

EVALUATION CRITERIA

URS Competence to Perform Required Services

URS has a long history of distinct competence in CPM scheduling as the acquisition of the PM\CM firm O' Brien Kreitzberg is the driving force for the Construction Services Group expertise. James J. O'Brien, a founding partner of that firm is the author of ***CPM in Construction Management***, the authoritative treatise for the use of the Critical Path Method of scheduling for construction management that is now in its seventh edition. The URS project controls and claims group has and continues to produce expert levels of knowledgeable employee's in all aspects of CPM scheduling and the causes and effects of resources for schedule review.



Being a leader in Schedule Preparation and Schedule Review, URS continues to be on the forefront of using its vast resources to help owners in controlling program and projects through an integrated approach. The integrated approach for the SAO that URS would use involves pre-construction schedule and estimating for project clarity. This would reduce potential claim issues before notice to proceed and to mitigate schedule issues that are found in the bid documents.

The URS team and approach to the SAO requests would involve not only expert scheduling professionals who are fully versed in CPM Scheduling and Scheduling Software packages being used, it would also involve specific cost estimating and technical experts who would participate to develop, review and make expert determinations for schedule. This approach and level of competence that is found within URS has been developed for many owners.

The URS team has been actively involved in some of the biggest and largest scheduled projects in the United States at the program and individual project level working for owner, contractor's and A\E firms to develop realistic schedule values while incorporating levels of cost, resource and labor as required .

URS is fully versed and knowledgeable to sections 0310, 0320, 0330, 0340, 0350, 0360, 0370 and 0380 of the SAO manual that would directly affect the assignments and criteria for schedule process

Examples of the many different and customized approaches URS would take on scheduling assignments would include the following:

COMPETENCE OF SCHEDULING AND SCHEDULING APPROACHES

Schedule Development: Cost Control	
Issues	**Solutions**
1. Establishing a baseline budget	✓ We will develop a system that will track cost modules including to the following: • Contracts • Invoices • Payments • Change Requests • Change Orders • Trends • Cost Issue Tracking ✓ We recommend the State Architect's Office identify a representative authorized to negotiate settlement on the State Architect's Office's part for change orders. ✓ Providing the master WBS coding structure (if available)

2. A unifying WBS will be used throughout the program	✓ To facilitate budget development, management, and accounting for the program, URS will develop a detailed WBS. If preferred, URS will use a WBS coding structure developed by the State Architect's Office for project work.
3. Provide financial data compatible with the State Architect's Office cost management system.	✓ In order to organize project/program costs in parallel with the State Architect's Office's existing cost management systems, URS will establish cost components. The budget of each project/ subproject in the program will consist of one or more of the cost components. If the design or construction work in a project is divided between two or more contracts, the design or construction cost components of that project will equal the sum of the estimated or contracted values of all design or all construction contracts in the project. The cost component codes and descriptions will be defined and increased in the monthly program Cost Report. ✓ All work defined under the project/program will be coded against a cost center such as divisions, departments, locations, phases, projects, etc. The State Architect's Office Finance Division, with the assistance of URS, will allocate the project/program budget to the various cost centers, and will code all projects in the project/program to the appropriate cost center. URS will be responsible for the collection of project cost data by cost center.
4. Value Engineering	✓ We have specialized staff available who are expert in identifying project cost savings. In doing this, we would only recommend substitutions that would achieve the same intended purpose as the original item, but are less expensive or more readily available.

Schedule Development: Schedule Monitoring & Management

Issues	Solutions
1. Status Updates	✓ We will make regular schedule updates (bi-weekly to meet State Architect's Office requirements) to present an accurate picture of the progress achieved.
2. Timely updates of key project milestones	✓ The progress will be measured against the schedule and a variance analysis performed. This will show what parts of the project are critical, where there are delays (if any) and where there could be potential delays. We can forecast the time to complete by phase, subproject, milestone and program.
3. Potential delay identification	✓ As potential delays or changes are identified, they will be identified for the State Architect's Office to determine the actions that should be taken. URS will initiate a special schedule study to determine whether or not the lost time can be recovered or how changes to the originally anticipated schedule logic and sequence could mitigate the delay. URS will enlist the aid of the responsible project participants to research and analyze the delay and to develop strategies to recover time. In most cases, the contractors will be required to develop a Recovery Schedule. The PM will notify other projects that may be affected by any proposed adjustment to the project schedule.
4. Potential Cost Overruns 5. Cost variance versus the baseline budget	✓ Using either a cost-loaded master schedule or a budget spreadsheet together with the progress updates we can forecast the cost at completion. If this shows an overrun, our analysis will indicate the extent to which this would be due to inferior team performance, scope changes, and budget estimate inaccuracies.

Schedule Development: Change Management	
Issues	**Solutions**
1. Potential change orders 2. Re-sequencing work to meet community and/ or g overnmental demands	✓ A pr ogram of t his nat ure may unde rgo si gnificant sco pe changes. Th e nature of recov ery work and tu nneling typically leads to many unforeseen conditions becoming evident as wo rk progresses. We w ould recommend a ri gorous change management proce dure be a dopted t o formally i dentify, t rack and deal with each cha nge in itiated. W e recommend that each change in scop e is sep arately esti mated an d its ti me i mpact assessed.
3. Project i s sev erely behi nd a nd t he end date cannot change	✓ We are exp erienced in preparing recovery schedules. Typically, we would see what operations can be "c rashed" by worki ng simultaneous activities that the master schedule indicated would be w orked seque ntially. B y usi ng heuristic anal ysis on t he remaining critical p ath, we can id entify wh ere add itional resources (ov ertime, ex tra crew s, add itional eq uipment etc.) would be most effective in reducing the remaining project time.

Schedule Development: Project Scheduling & Estimating	
Issues	**Solutions**
1. Providing pr ocedures an d stan dards for project schedule and estimating reports	✓ Typically contractors will monitor progress of their construction work and submit a CPM Schedule Update each month to reflect actual progress and any changes to planned activities. Normally the CPM Schedule Update will b e sub mitted along with th eir pay re quest for acce ptance/rejection. The c ontractor will identify all rev isions and provide a narrative an alysis o f all proposed changes. ✓ At each weekly progress m eeting, the contractor will provide and present a tim e-scaled, Weekly Look-Ahea d Sc hedule as required by the Contract. This sche dule i s based on the c urrent approved c ontractor's sche dule a nd co rrelated by a ctivity number. URS will forward the Weekly Look-Ahead Schedule to the client along with the meeting minutes.

CONTRACT TIME DETERMINATION (CTD)

The t ask of C ontract Ti me Determination be gins at t he point t hat t he plans an d specifications for a gi ven p roject ha ve reached the point that specifi c construction activities and material quantities can be det ermined. Initially, URS will meet with the project design team, State Architect's Office personnel, and any other project stakeholders.

URS will e mploy th e expertise o f its co nstruction and estimating p ersonnel to d evelop th e sequence of activ ities and th e material q uantities. Using estab lished indu stry pro duction rates, URS will assign activ ity d urations based upon t he estimated quantities. A first draft project schedule will be developed to assess the CTD.

This schedule will be reviewed and discussed with the State Architect's Office project personnel prior to coordination with all third party agencies, like utility companies, adjacent town or cities, as well as o ther staff at th e State Architect's Office. The State Arc hitect's Office staff can pr ovide input on perm itting issues, interfaces with other proje cts, maintenance and operation issues, etc.

A detailed schedule narrative will be prepared for each schedule under development, to explain all project specific data, information, constraints and assumptions in development of activities and overall project durations and logic.

Upon completion of the Initial Contract Schedule, an initial schedule review meeting shall be held with State Architect's Office staff and design consultant to discuss the following:

- Duration of remaining design process;
- Determination of advertisement dates and funding availability;
- Utility work scope and method of procurement;
- Effect of Special Provisions and non-standard activities on completion date; and
- Determining need for Alternatives, acceleration, seasonal work, night work, etc.

After this initial schedule meeting, URS will revise the project schedule and incorporate all comments. URS will present this revised schedule to all applicable parties, as per State Architect's Office direction, discuss the 3rd party comments with the State Architect's Office project manager and finalize the contract schedule and completion dates, for incorporation in the contract document.

The final schedule activities will also be cost-loaded, utilizing the engineer's estimate, to assist the State Architect's Office with their cash flow analysis and reports. The project cash flow can be linked to the CTD in this manner.

Any remaining design tasks such as Permitting and Right of Way acquisition will be identified in the presentation meeting, for incorporation into the CTD schedule. An initial list of network activities will then be developed and coded to the work breakdown structure as well as any and all other project specific codes. Logical relationships between activities will be determined at this time and activities will be broken down into standard and non-standard categories.

After development of the initial schedule, URS will meet with Department Design and Construction personnel to present and review the initial schedule, as part of the Constructability Review process. Based on our experience, a first revision to the schedule is anticipated subsequent to the initial Constructability Review, as well as a follow-up meeting with Department Design and Construction personnel. URS will then incorporate all final comments resulting from the Constructability Review process into a revised network, which shall be prepared and presented to the Chief Engineer, Chief Design Engineer, and Chief of Construction Operations. Once the contract completion date has been finalized, the projected project costs from the Engineer's Estimate will be allocated to each activity, and the Estimated Cash Flow Report prepared. The final CTD schedule will be delivered to the SAO format required by Section 0320 of the SAO Manual.

CTD REQUIRED TASKS

- Initial meeting with Design Consultant, State Architect's Office Design and Construction Personnel (including Design Section, Constructability Section, ROW Section, Environmental Section and Utility Section)
- Site visit for constraint determination
- Development of activity relationship logic, assign realistic activity durations and develop initial CTD schedule and project milestones incorporating State Architect's Office Primavera coding structure
- Conduct planning/review session(s) with impacted utility companies
- Present and discuss initial CTD schedule(s) with State Architect's Office Construction and Design for comments
- Revise initial CTD schedule based on comments; incorporate remaining design activities
- Present revised schedule to State Architect's Office Project Manager
- Cost Load activity network based on Engineer's Estimate; prepare Estimated Cash Flow Report/Schedule Narrative
- Review/revise project CTD schedule per contract addenda.

PROJECT SCHEDULE MONITORING (PSM)

URS proposes to perform the following tasks during the construction phase:

- Hold schedule development meetings with Contractors, to assist them in their baseline schedule development. The purpose of these meetings are to make sure the contractors develop and format their schedule consistent with the State Architect's Office Standard Specification, as well as the guidelines and schedule format established by URS, in order to unify and centralize all State Architect's Office project schedules;
- Perform a comparison analysis between the Contractor's initial schedule and the State Architect's Office Baseline schedule;
- Provide a Narrative explaining the variances;
- Review and comment on Contractor initial schedule submittals;

- Discuss schedule comments and baseline analysis with State Architect's Office project manager;
- Provide schedule comments to Contractor; and
- Continue review/comment period to an accepted Project Schedule Baseline from Contractor.

After the Contractor Baseline schedule is accepted, and during the construction period, URS can monitor the contractor's progress if so desired. This will be done by attending the construction progress meetings and to review and record the progress. Our scheduler will be engaged and familiar with construction details and will participate actively in progress tracking issues.

URS can also review the Contractor's status schedule and provide comments and analysis to the State Architect's Office via a detailed Project Status Report. This status report will include a summary of activities status since the last contractor's schedule, with analysis and recommendations.

If there is a need for any type of schedule recovery and or delay analysis, URS will assist the State Architect's Office with such analysis. This will enable the State Architect's Office Project Manager to discuss the current critical issues and their solutions with the contractor in an effective way, to minimize the impact.

Additionally, URS will provide a Schedule Log for each contract, tracking Contractor's performance in regard to their scheduling requirements. This Log will assist the State Architect's Office Project Manager in tracking his Contractor's performance and decide on corrective actions when required.

PROGRESS REPORTS

URS will prepare and submit a Progress Report, to present an accurate status of the State Architect's Office's projects. This report will also identify Critical Milestones and Critical Issues for senior management utilization. In addition to this, each schedule development and or review will be submitted with a Narrative explaining our findings.

This progress status report will also have a distinct section that will include URS work plan showing our approach and the status of our services, as required by the State Architect's Office policy. Such information like, work completed, man-hours and cost expended, etc. will be included with the report.

OTHER SCHEDULE SERVICES

URS is prepared to administer, coordinate, and implement all Contract Time Determination (CTD) and Project Schedule Monitoring (PSM) information and could develop a comprehensive Master Schedule for SAO Construction Program. Our project controls and scheduling personnel have extensive experience in CTD, PSM and in developing master program schedules for owners. The master schedule goes through various stages of development as the detailed design and construction schedule are developed. The first pass master schedule is little more than a Gantt chart with single line place holders for each project that is part of the program. By understanding the interrelationship of adjacent and predecessor/successor projects, URS will identify the interface points of projects. The interface points between projects may constitute interim milestones for construction schedules. An example of such an interim milestone would be the requirement that contract A excavate and bring an area to grade to allow contract B to construct a structure at that location. URS will work with SAO personnel to gain an understanding of the physical and time relationships between adjacent projects in the overall master program.

The following tables address many of the scheduling issues and approaches that URS anticipates will be encountered for the State Architect's Office program.

Schedule Development: Master and Project Schedules	
Issues	**Solutions**
1. Development of a comprehensive Baseline Master Schedule	✓ Preparation of a comprehensive baseline master schedule is a collaborative effort. We typically identify and work closely with all project stakeholders to develop schedule from their specific work. It's our job to determine the interdependencies between the various work scopes and so build a comprehensive, logical and workable master schedule. This will become the basis for

	future performance
2. Incomplete project schedules (and/or incomplete sections of scope)	✓ We are able to work with team members who are still so time away from developing schedules for their work. In such a case we break the unknown work into packages that fit with the other participants' work scopes and show the unknown work as a "window" in the master schedule. This can be elaborated and developed at a later date, once the scope of work is fully known.
3. Identification of sub projects and phasing	✓ We recommend that there be only one master schedule baseline against which the project plan is measured. However, we typically develop coding and other identifying parameters so that subprojects can be reported on separately. We also recommend breaking subprojects into phases (e.g. Design, Procurement, Construction etc.) so that progress can be measured.
4. Identification of key performance milestones	✓ We recommend that each phase be concluded with a milestone against which a "drop dead" date can be assigned. These milestones should signify important events in the life of the project such as beneficial use, energizing track etc.
5. Identification of long lead items	✓ We typically include all long lead items and separately identify them in the procurement portion of the master schedule. Early identification of these items can help to maintain or shorten the schedule.
6. Conformance of design schedule and procurement requirements	✓ We would bring each of these issues to the State Architect's Office's attention for resolution. Typically, design can be accelerated or the designers can release the essential factors required by the manufacturers early.
7. Identification of bid packages	✓ By using a comprehensive Work Breakdown Structure (WBS) we will be able to code the master schedule so that all activities are included in a unique work packages. The master schedule can then be summarized by bid package and checked to make sure nothing has been left out.
8. Development of cash flows required	✓ We will cost load the master schedule with the project budget. We are able to do this at a different level from the activity level. This means the State Architect's Office does not need to identify the cost of all activities. Groups of activities in whatever detail suitable for the State Architect's Office will suffice. Our software will generate the cash flow for the project and update this as work progresses.
9. Security and confidentiality issues 10. Using a security matrix for distribution and editing of project material and reports.	✓ As well as complying with all State Architect's Office security and confidentiality procedures, we would conceal certain financial and resource information from the schedule Gantt charts and reports. These can be separately reported on and circulated to a more select group of State Architect's Office stakeholders.
11. Reporting on project status and forecasting	✓ We are well able to customize our cost and schedule reports to provide timely information on progress. We tailor these reports to the specialized needs of the many program stakeholders. For this program we would anticipate generating specialized reports for the State Architect's Office, FHWA, other financial stakeholders, and the community.

DESIGN PROJECT SCHEDULING

URS scheduling personnel routinely work with our design group to schedule the design effort for many of our projects. Our clients welcome the creation of a design schedule as it provides the timeline for the performance of the designers and it informs the client regarding the progress and projections for design completion. When critical design completion dates are encountered, the design schedule can be resource loaded to determine if additional staff is needed to meet critical dates.

URS will work with State Architect's Office design personnel and State Architect's Office's designated outside design firms to prepare accurate, comprehensive, and meaningful design schedules for any projects required by the State Architect's Office.

RESOURCE AND CASH FLOW ANALYSIS

The Cost and Resource loading of construction schedules is one of the most important parts of project scheduling. The cost loading will assist in development of cash flow curves and tables, to assist the owner in accurately allocating and distributing their budget over time. It also assists with determining the Earned Value and contract percent complete.

URS can cost load the contract schedule as well as the State Architect's Office project schedule with the project budget. We are able to do this at a different level from the activity level. Groups of activities in whatever detail suitable for the State Architect's Office will suffice. Our software will generate the cash flow for the project and update this as work progresses.

ASSISTING IN CLAIM AND TIME EXTENSION ENTITLEMENT ANALYSIS

A well-developed construction schedule is a good tool to monitor and manage projects. These schedules are also powerful tools to determine time entitlement and extended overhead. URS Key Staff are well versed in claims management, mitigation and time entitlement review on complex construction projects.

Since projects may undergo scope changes, URS recommends a rigorous change management procedure be adopted to formally identify, track and deal with each change. We recommend that each change in scope is separately estimated and its time impact assessed.

We are experienced in preparing recovery schedules. Typically, we would see what operations can be "crashed" by working simultaneous activities that the schedule indicated would be worked sequentially. By using heuristic analysis on the remaining critical path, we can identify where additional resources (overtime, extra crews, additional equipment etc.) would be most effective in reducing the remaining project time.

TRAINING, EDUCATION AND EXPERIENCE OF THE FIRM'S PERSONNEL WHO WOULD BE ASSIGNED TO PERFORM SERVICES

URS would refer to Section E of our submittal for the Firm's personnel that would provide services to SAO, The majority of team members proposed for the Schedule Consultant List have worked together on previously completed successful projects. In addition, the proposed URS staff has a distinct advantage for providing Project Control Services to a largely diverse owner and project portfolio. This distinct advantage is due largely in part to URS' ability to deliver different type of project services to many of the nation's market segments. Internally, URS has been training its project controls staff on the techniques of CPM Scheduling and Claims Avoidance as a course of business daily. URS also provided to owner's staff and others a formal external CPM Schedule and Claim Training as a value added service. URS continues to provide programs internally to its staff through the URS Learning Management System that has specific modules for project management. Specifically, the Section E for this submittal in SF330 format has been presented to show the individuals experience, training and education for SAO purposes and review.

WORKLOAD AND AVAILABILITY OF QUALIFIED PERSONNEL

URS' current workload is extensive and varied throughout the United States, however URS is proposing a highly qualified staff that would be available to the SAO program on as required or 100% dedicated to the SAO if necessary. URS has a long standing relationship with the SAO and will continue to maintain and dedicate the proposed personnel to meet SAO's needs. URS has extensive experience in working with the State Architect's office. Collectively, our company has completed more than 200 architectural projects throughout Ohio. Our technical team from the URS Columbus office, more specifically Mr. Joe Riddle, PE, LEED AP, has completed dozens of projects for the Ohio Department of Administrative Services / State Architect's Office and The Ohio State University.

To further supplement that relationship URS is proposing Fran Sabatino, PSP and CFCC as the project manager. Mr. Sabatino has managed over 60 schedulers at one time during his tenure as the Master Program Scheduler and keeper of the Integrated Project Construction Schedule for the Central Artery Tunnel "Big Dig" project. Mr. Sabatino is a certified Planning and Scheduling Professional (PSP) and a Certified Forensic Claims Consultant (CFCC). He has over 20 years of diversified experience in the construction industry working with Owners, Attorneys, Architects/Engineers, Contractors, Construction Managers, Manufacturers, Surety, and other specialty consultants. He has provided various construction consulting solution services including the analysis of construction delay, acceleration, requests for equitable adjustments and loss of productivity claims. Services included detailed contemporaneous window analysis, disputed extra work claims,

litigation support, and surety evaluations. Issues analyzed include as-planned versus as-built critical path comparisons, schedule delays and impacts, productivity, scope of work changes, unforeseen conditions, defective specifications, cost to complete and damages assessments. In addition, Mr. Sabatino has prepared program, master and project level CPM schedules for a wide variety of complex public and private construction including overseeing the Program Wide Schedules for Levels 1 thru 4 on the Central Artery Tunnel Program. He has experience in scheduling, claims analysis, claims preparation and program controls for a wide variety of manufacturing and construction projects including the following areas of design and construction.

PERSONNEL, EQUIPMENT AND FACILITIES TO PERFORM THE REQUIRED SERVICES COMPETENTLY AND EXPEDITIOUSLY

The URS team's project headquarters for the proposed SAO Schedule Consultant is located at 277 West Nationwide Boulevard, Columbus, Ohio. This office is approximately 6.0 miles from The State Architects office. The URS staff at this location would perform direct services daily for the SAO.

EXPERIENCE OF PROPOSED PERSONNEL IN PERFORMING SERVICES

As illustrated in Section G of our submittal, the majority of team members proposed for the Schedule Consultant have worked together on previously completed successful projects.

EVALUATIONS FROM PREVIOUS CLIENTS

Perhaps the best testimony to URS' ability to meet SAO's requirements on this request for qualifications is URS' previous success on relevant projects. Below we have provided quotes taken from letters of reference we've received:

Schedule and Delay Evaluations Outside of Ohio

"Thank you and your team for your efforts, your work provided the foundation for both settlements."
Construction Services Lead for Port Authority of New York and New Jersey/JFK Airport

"Your schedule and delay analysis was accurate, precise and easy to comprehend. This was no small task given the complexity of the case."
Holland & Hart, Salt Lake City, UT

"We engaged URS as our primary consultant for the Walt Disney Concert Hall construction litigation. The energy, expertise, and experience that URS brought to the case contributed greatly to a highly successful result..."
Holland & Knight, Los Angeles, CA

"We have received the decision ... and it was a total victory. Literally, we received every dime we asked for and (the contractor's) claim of over $300,000,000 was denied in its entirety. ... The judge, in his 97-page decision, specifically mentioned both of you; that he found your expert opinions to be persuasive and credible. ..."
Oles, Morrison, Rinker & Baker, LLP, Pit 9 Remediation Project

"I want to thank you for the excellent work you and your firm performed in connection with the U of M engagement. It was a complicated project with a number of sophisticated construction issues. You provided careful, thoughtful, and professional analysis of the issues and your work was instrumental in helping the University achieve a favorable result."
Miller, Canfield, Paddock & Stone, University of Michigan Cancer Care Center

Ohio Evaluations from previous clients

"On behalf of the faculty and staff of the Department of Astronomy, I wanted to take a minute to express our appreciation for the services URS has performed on our McPherson Laboratory Rehabilitation project...I have also been very pleased by the patience of URS' representatives in taking all the time necessary to listen and understand the needs of our department and those of the other building occupants. I believe URS' design solution is efficient, yet creative, and appropriate for all the diverse interest of the University."
Patrick Osmer, Professor and Chair, Department of Astronomy

"Your attentiveness to the success of this project is very much appreciated. It is refreshing to have a principal of a firm initiate contact with me concerning their firm's performance. You have consistently done this throughout the project."
Robert G. Keller, University Architect, Miami University

"URS' design of the new State of Ohio Laboratory will meet the needs of the two agencies that will reside in the facility as well as the needs of the agency who owns the grounds on which the facility will reside. From the beginning of this project, it has been about collaboration and cooperation in an effort to bring about enhanced quality, accurate and timely test results for citizens, government entities, and private organizations throughout Ohio. URS understood this desire, made the process a collaborative effort, and designed a facility that maximizes workflow and efficiency.

Governor Bob Taft at the groundbreaking ceremony stated, "this facility will be a state of the art laboratory that will ensure the health and safety of all Ohioans." URS had a significant role in accomplishing this rare venture of three state agencies working cooperatively together.

We are especially pleased that the design was completed within our timeframe and that the bids received were under our budget requirements. Thanks to your staff for their knowledge, patience, and valued education during the design of the new State of Ohio Laboratory."
William McHugh, MA, Chief, Bureau of Public Health Laboratories

"We can all be justifiably proud of the final building, which has taken an under-appreciated building type, located in a sensitive urban neighborhood, and raised it to a new level of excellence. You provided valuable planning input during design and design development. During your final documentation it was clear that you understood and supported the design intent and your additional detailing certainly complemented the building. Finally, your staff was quite diligent throughout construction."
Peter Kuttner, AIA, Principal, Cambridge Seven Associates, Inc.

"I want to take this opportunity to express my firm's gratitude and appreciation for the very successful collaboration we shared with URS on the master planning for the Main Library at OSU. The finished report is a superb piece of work and I know was well-received by the school and the library. We've no doubt that it will be a strong "launch point" for the actual design and construction project, as well as an invaluable aid to their development program.

This success is due in no small part to the efforts put forth by your Columbus office, and more specifically, the work by Randy Kirschner. Particularly in a situation where multiple "players" are involved, the kind of project leadership and consensus building skills that Randy exhibited were critical to the project being as polished and well managed as it was. We relied heavily upon his abilities and I know that the client did as well.
Were we to find ourselves working together in the future, I know that the results would be just as gratifying."
Wendell E. Wickerham, Principal, Shepley Bulfinch Richardson and Abbott

"The URS Corporation from Columbus...did an excellent study of our programmatic, architectural and funding needs for the major restoration of our main library. Your final report to us on the Feasibility Study is thoughtful, insightful and persuasive. We are using it to move forward with the renovation. The Feasibility process and the final report have helped us with fund raising, campus advocacy and more detailed strategic planning."
"Randy Kirschner from the URS staff was a pleasure to work with on the Feasibility Study. Randy...was professional and highly dependable throughout the year-long study process. Randy brought not only architectural expertise to the project, but also a real enthusiasm, a positive attitude, and an ability to listen carefully to our needs and translate them into realistic plans. Randy was very good at dealing with a variety of constituents, from students to faculty to potential donors and he was (and is) is a great advocate for the Library and for The Ohio State University."

"Your firm's Feasibility Study took the need and turned it into a practical and inspiring plan for getting the renovation done. The renovation options and associated costs you have prepared for us in the Feasibility Study are just what we needed to move this important project to the next stage of detailed design and reconstruction. Thank you for your foresight, leadership, and support."
Joseph J. Branin, Director of Libraries, The Ohio State University

"I am writing to comment on the performance of URS Consultants on the Evans Addition project at OSU, which will break ground in June 1993. As you know, the $14.6 million project involved considerable architectural effort over three years due to a major expansion of the project in midstream. Throughout the design process, the Chemistry Department found URS to be responsive to our needs and very accommodating to the many complex features of a modern chemistry building. In particular, the willingness of URS to continue work on the project before a firm contract was in hand saved us significant delays in beginning construction. It is clear that the

resources of a large firm such as URS are valuable for major building projects...all indications are that it will be an excellent facility."
Richard L. McCreery, Professor of Chemistry, The Ohio State University

Quality of Work and Task Order Deadlines

In order to successfully meet The SAO project schedules and deadlines, as well as control costs and anticipate budget needs, URS' approach and philosophy is as follows:

URS operates with the philosophy that a successful project depends on successful management and will use the same technical philosophy for a scheduling assignment to control its own internal QA|QC process. URS emphasizes close management supervision on each type of task order or project that we perform. URS can claim these capabilities based on our achievements on previous projects of similar scope and the caliber of the professionals we have committed to this effort.
Effective project management would be impossible without proper support systems for providing timely information. URS uses a computer-based project management information system for all its projects. The system permits efficient internal control over project budgets, schedules and manpower allocations.
Immediately upon receipt of a notice-to-proceed, a cost control management plan is developed for the project, which includes:

- A **Project Action Plan** listing activities and sub-activities required to complete the project, and identifying by name the person responsible for completing each activity.
- A **Project Production Budget**, including an allocated cost for each in-house discipline, consultants and travel, reproduction and special supplies.
- A **Project Schedule**, indicating the time required to complete individual activities and the scheduled completion date for each activity.

I. AUTHORIZED REPRESENTATIVE The foregoing is a statement of facts.	
31. SIGNATURE	32. DATE 4/20/2011
33. NAME AND TITLE John W. Kelly, III, Vice President	

ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(if any)*

PART II – GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME
URS Group, Inc.

3. YEAR ESTABLISHED
1999

4. DUNS NUMBER
[redacted]

2b. STREET
1628 JFK Boulevard, 21st Floor

5. OWNERSHIP
a. TYPE
Corporation

2c. CITY
Philadelphia

2d. STATE
PA

2e. ZIP CODE
19103

b. SMALL BUSINESS STATUS

6a. POINT OF CONTACT NAME AND TITLE
John W. Kelly, III, Vice President

7. NAME OF FIRM *(if block 2a is branch office)*
URS Group, Inc.

6b. TELEPHONE NUMBER
215.587.9000

6c. E-MAIL ADDRESS
john_kelly@urscorp.com

8a. FORMER FIRM NAME(S) *(If any)*

8b. YR. ESTABLISHED

8c. DUNS NUMBER

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees (1) FIRM	c. No. of Employees (2) BRANCH
02	Administrative	1,917	2
06	Architect	346	2
08	CADD Technician	906	3
12	Civil Engineer	1,494	7
15	Construction Inspector	595	6
16	Construction Manager	379	1
18	Cost Engineer/Estimator	253	1
47	Planner: Urban/Regional	244	2
48	Project Manager	2,234	10
53	Scheduler	164	1
57	Structural Engineer	837	4
60	Transportation Engineer	425	3
	Attorney/Claims Analyst	53	4
	Documentation Specialist	294	1
	Procurement Specialist	432	1
	Project Control Specialist	641	1
	Public Involvement Specialist	171	1
		31,144	0
	Total	**42,529**	**50**

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Profile Code	b. Experience	c. Revenue Index Number (see below)
C15	Construction Management	8

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

(Insert revenue index number shown at right)

a. Federal Work	6
b. Non-Federal Work	7
c. Total Work	8

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than $100,000
2. $100,000 to less than $250,000
3. $250,000 to less than $500,000
4. $500,000 to less than $1 million
5. $1 million to less than $2 million
6. $2 million to less than $5 million
7. $5 million to less than $10 million
8. $10 million to less than $25 million
9. $25 million to less than $50 million
10. $50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE

b. DATE
6/1/10

c. NAME AND TITLE
John W. Kelly, III, Vice President

ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(if any)*

PART II – GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME
URS Group, Inc.

3. YEAR ESTABLISHED
1999

4. DUNS NUMBER
[redacted]

2b. STREET
URS Building
277 West Nationwide Blvd.

5. OWNERSHIP

a. TYPE
Corporation

2c. CITY
Columbus

2d. STATE
OH

2e. ZIP CODE
43215

b. SMALL BUSINESS STATUS

6a. POINT OF CONTACT NAME AND TITLE
James R. Linthicum, PE, Office Manager

6b. TELEPHONE NUMBER
614.464.4500 or 800.860.4500

6c. E-MAIL ADDRESS
jim_linthicum@urscorp.com

7. NAME OF FIRM *(if block 2a is branch office)*
URS Group, Inc.

8a. FORMER FIRM NAME(S) *(If any)*

8b. YR. ESTABLISHED

8c. DUNS NUMBER

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees (1) FIRM	c. No. of Employees (2) BRANCH
06	Architects	346	25
08	CADD Technician	906	23
12	Civil Engineer	1,494	6
15	Construction Inspector	595	2
21	Electrical Engineer	1,190	11
27	Foundation/Geotechnical Eng.	307	5
31	Health Facility Planner	124	2
34	Hydrologist	76	1
37	Interior Designer	21	3
38	Land Surveyor	105	1
39	Landscape Architect	43	3
42	Mechanical Engineer	812	7
47	Planner: Urban/Regional	244	1
48	Project Manager	2,234	19
52	Sanitary Engineer	37	1
57	Structural Engineer	837	9
60	Transportation Engineer	425	4
62	Water Resources Engineer	288	8
	Accountant/Financial Expert	1,313	5
	Technical Editor	181	2
	Other Employees	30,951	22
	Total	**42,529**	**160**

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Profile Code	b. Experience	c. Revenue Index Number (see below)
B01	Barracks; Dormitories	4
C10	Commercial Bldg. (low rise); Shopping Centers	7
C13	Computer Facilities; Computer Service	6
D04	D-B – Preparation of RFP	5
E02	Educational Facilities; Classrooms	7
G01	Garages; Vehicle Maint. Facility; Pkg. Decks	5
H04	Heating; Ventilating; Air Conditioning	5
H05	Health Systems Planning	4
H06	Highrise; Air-Rights-Type Buildings	6
H09	Hospital & Medical Facilities	7
I01	Industrial Buildings; Manufacturing Plants	5
I05	Interior Design; Space Planning	3
L01	Laboratories; Medical Research Facilities	5
L04	Libraries; Museums; Galleries	2
M02	Materials Handling Systems; Conveyors; Sorters	3
M05	Military Design Standards	8
O01	Office Buildings; Industrial Parks	7
P11	Postal Facilities	3
P12	Power Generation, Transmission, Distribution	5
R06	Rehabilitation (Buildings; Structures; Facilities)	7
R08	Research Facilities	6
S09	Structural Design; Special Structures	5

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

(Insert revenue index number shown at right)

a. Federal Work	8
b. Non-Federal Work	9
c. Total Work	10

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than $100,000
2. $100,000 to less than $250,000
3. $250,000 to less than $500,000
4. $500,000 to less than $1 million
5. $1 million to less than $2 million
6. $2 million to less than $5 million
7. $5 million to less than $10 million
8. $10 million to less than $25 million
9. $25 million to less than $50 million
10. $50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE

b. DATE
6/1/10

c. NAME AND TITLE
James R. Linthicum, PE – Office Manager

ARCHITECT – ENGINEER QUALIFICATIONS

1. SOLICITATION NUMBER *(if any)*

PART II – GENERAL QUALIFICATIONS

(If a firm has branch offices, complete for each specific branch office seeking work.)

2a. FIRM (OR BRANCH OFFICE) NAME
URS Group, Inc.

3. YEAR ESTABLISHED
1999

4. DUNS NUMBER
[redacted]

2b. STREET
Foster Plaza 4
501 Holiday Drive, Suite 300

5. OWNERSHIP
a. TYPE
Corporation

2c. CITY
Pittsburgh

2d. STATE
PA

2e. ZIP CODE
15220

b. SMALL BUSINESS STATUS

6a. POINT OF CONTACT NAME AND TITLE
Thomas G. Bice, Vice President

6b. TELEPHONE NUMBER
412.503.4551

6c. E-MAIL ADDRESS
tom_bice@urscorp.com

7. NAME OF FIRM *(if block 2a is branch office)*
URS Group, Inc.

8a. FORMER FIRM NAME(S) *(If any)*

8b. YR. ESTABLISHED

8c. DUNS NUMBER

9. EMPLOYEES BY DISCIPLINE

a. Function Code	b. Discipline	c. No. of Employees (1) FIRM	c. No. of Employees (2) BRANCH
07	Biologist	185	3
08	CADD Technician	906	4
10	Chemical Engineer	250	2
12	Civil Engineer	1,494	5
16	Construction Manager	379	2
18	Cost Engineer/Estimator	253	10
19	Ecologist	49	1
23	Environmental Engineer	775	12
24	Environmental Scientist	1,149	6
27	Foundation/Geotechnical Engineer	307	1
29	GIS Specialist	226	2
30	Geologist	648	8
38	Land Surveyor	105	1
48	Project Manager	2,234	7
50	Risk Assessor	203	1
51	Safety/Occupational Health Engr.	339	2
57	Structural Engineer	837	8
60	Transportation Engineer	425	14
	Hydrogeologist/Geohydrologist	166	1
	Planner: Transportation	150	4
	Other Employees	31,449	26
	Total	**42,529**	**120**

10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS

a. Profile Code	b. Experience	c. Revenue Index Number (see below)
A04	Air Pollution Control	4
B02	Bridges	5
C10	Commercial Bldg. (low rise); Shopping Centers	1
C15	Construction Management	7
C18	Cost Estimating; Engineering & Analysis	4
E09	EIS: Assessments or Statements	1
E11	Environmental Planning	5
E12	Environmental Remediation	7
H03	HTRW Remediation	7
H07	Hwys.; Streets; Airfield Pav.; Pkg. Lots	6
I01	Industrial Buildings; Manufacturing Plants	2
I04	Intelligent Transportation Systems	2
L03	Landscape Architecture	1
P02	Petroleum & Fuel (Storage & Distribution)	5
P04	Pipelines (Cross-Country – Liquid & Gas)	5
P05	Planning (Comm., Reg., Areawide & State)	4
P11	Postal Facilities	1
P12	Power Generation, Transmission, Distribution	5
S09	Structural Design; Special Structures	2
S10	Surveying; Platting; Mapping; Flood Plain	2
T03	Traffic & Transportation Engineering	5
W02	Water Resources; Hydrology; Ground Water	3

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS

(Insert revenue index number shown at right)

a. Federal Work	7
b. Non-Federal Work	9
c. Total Work	9

PROFESSIONAL SERVICES REVENUE INDEX NUMBER

1. Less than $100,000
2. $100,000 to less than $250,000
3. $250,000 to less than $500,000
4. $500,000 to less than $1 million
5. $1 million to less than $2 million
6. $2 million to less than $5 million
7. $5 million to less than $10 million
8. $10 million to less than $25 million
9. $25 million to less than $50 million
10. $50 million or greater

12. AUTHORIZED REPRESENTATIVE

The foregoing is a statement of facts.

a. SIGNATURE
Thomas G. Bice

b. DATE
6/1/10

c. NAME AND TITLE
Thomas G. Bice, Vice President